

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065300.D
 Acq On : 24 Feb 2020 17:49
 Operator : VA/SY
 Sample : L1635-13MSD
 Misc : 6.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Manual Integrations
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 2/25/2020 5:15:51 PM

Quant Time: Feb 25 02:54:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	401685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	599082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	182588	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.92	113	193479	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.34	98	714681	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.64	95	196479	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	182909	54.290	ug/l	98
3) Chloromethane	2.21	50	213431	49.771	ug/l	100
4) Vinyl Chloride	2.35	62	220095	50.474	ug/l	99
5) Bromomethane	2.77	94	136119	51.629	ug/l	99
6) Chloroethane	2.93	64	134019	50.351	ug/l	99
7) Trichlorofluoromethane	3.28	101	316397	50.681	ug/l	98
8) Diethyl Ether	3.71	74	97416	51.694	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	186633	47.339	ug/l	98
10) Methyl Iodide	4.30	142	227634	55.610	ug/l	99
11) Tert butyl alcohol	5.24	59	47582	220.354	ug/l	97
12) 1,1-Dichloroethene	4.07	96	192187	51.605	ug/l	100
13) Acrolein	3.93	56	20054	52.735	ug/l	97
14) Allyl chloride	4.71	41	316032	52.256	ug/l	99
15) Acrylonitrile	5.43	53	198146	237.495	ug/l	100
16) Acetone	4.17	43	146191	165.498	ug/l	99
17) Carbon Disulfide	4.40	76	597576	47.860	ug/l	100
18) Methyl Acetate	4.72	43	384535	193.555	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	410795	52.895	ug/l	96
20) Methylene Chloride	4.96	84	224392	57.779	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	216890	51.229	ug/l	98
22) Diisopropyl ether	6.37	45	583890	50.082	ug/l	96
23) Vinyl Acetate	6.37	43	306966	47.759	ug/l #	73
24) 1,1-Dichloroethane	6.27	63	374744	51.821	ug/l	98
25) 2-Butanone	7.23	43	228427	204.388	ug/l	96
26) 2,2-Dichloropropane	7.21	77	316022	50.368	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	231886	51.707	ug/l	100
28) Bromochloromethane	7.55	49	143158	53.360	ug/l	100
29) Tetrahydrofuran	7.57	42	160451	245.024	ug/l	98
30) Chloroform	7.71	83	376221	51.639	ug/l	97
31) Cyclohexane	7.99	56	302125	42.522	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	327624	50.261	ug/l	99
36) 1,1-Dichloropropene	8.11	75	290689	49.868	ug/l	99
37) Ethyl Acetate	7.30	43	48687	19.980	ug/l #	80
38) Carbon Tetrachloride	8.10	117	292760	49.336	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	243326	35.507	ug/l	98
40) Benzene	8.36	78	845358	51.380	ug/l	98
41) Methacrylonitrile	7.54	41	62944	44.736	ug/l	99
42) 1,2-Dichloroethane	8.43	62	224924	49.727	ug/l	100
43) Isopropyl Acetate	8.46	43	131754	29.732	ug/l #	87
44) Trichloroethene	9.11	130	226607	49.686	ug/l	95
45) 1,2-Dichloropropane	9.39	63	212965	52.054	ug/l	100
46) Dibromomethane	9.48	93	106538	50.612	ug/l	98
47) Bromodichloromethane	9.67	83	281300	50.708	ug/l	98
48) Methyl methacrylate	9.46	41	149061	72.774	ug/l	98
49) 1,4-Dioxane	9.47	88	24014	972.674	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	544300	241.834	ug/l	99
52) Toluene	10.41	92	521908	51.247	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	256485	49.880	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	314926	50.719	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	148263	50.041	ug/l	99
56) Ethyl methacrylate	10.67	69	81934	23.959	ug/l	95
57) 1,3-Dichloropropane	10.95	76	253873	50.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	243436	225.791	ug/l	97
59) 2-Hexanone	10.99	43	346211	214.884	ug/l	97
60) Dibromochloromethane	11.14	129	188377	49.675	ug/l	98
61) 1,2-Dibromoethane	11.25	107	138696	49.442	ug/l	98
64) Tetrachloroethene	10.88	164	170201	48.270	ug/l	94
65) Chlorobenzene	11.67	112	507310	50.849	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	198608	53.346	ug/l	98
67) Ethyl Benzene	11.75	91	899352	51.470	ug/l	99
68) m/p-Xylenes	11.86	106	688530	102.995	ug/l	100
69) o-Xylene	12.18	106	312561	52.774	ug/l	100
70) Styrene	12.20	104	532272	50.618	ug/l	100
71) Bromoform	12.37	173	102807	49.763	ug/l #	98
73) Isopropylbenzene	12.48	105	755198	58.167	ug/l	100
74) N-amyl acetate	12.30	43	14829	5.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	143374	61.187	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	95232m	57.075	ug/l	
77) Bromobenzene	12.77	156	195364	60.597	ug/l	99
78) n-propylbenzene	12.83	91	833960	53.451	ug/l	99
79) 2-Chlorotoluene	12.91	91	481118	55.045	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	586970	54.891	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	45581	58.984	ug/l	96
82) 4-Chlorotoluene	13.01	91	500198	53.905	ug/l	99
83) tert-Butylbenzene	13.23	119	468543	52.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	581920	54.369	ug/l	98
85) sec-Butylbenzene	13.41	105	568517	44.022	ug/l	100
86) p-Isopropyltoluene	13.53	119	528171	44.722	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	295772	47.455	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	298872	48.587	ug/l	99
89) n-Butylbenzene	13.86	91	388194	35.670	ug/l	99
90) Hexachloroethane	14.12	117	106676	44.485	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	258952	48.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19742	54.672	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106514	30.428	ug/l	98
94) Hexachlorobutadiene	15.28	225	46938	20.903	ug/l	99
95) Naphthalene	15.41	128	221559	38.933	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	84703	27.706	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

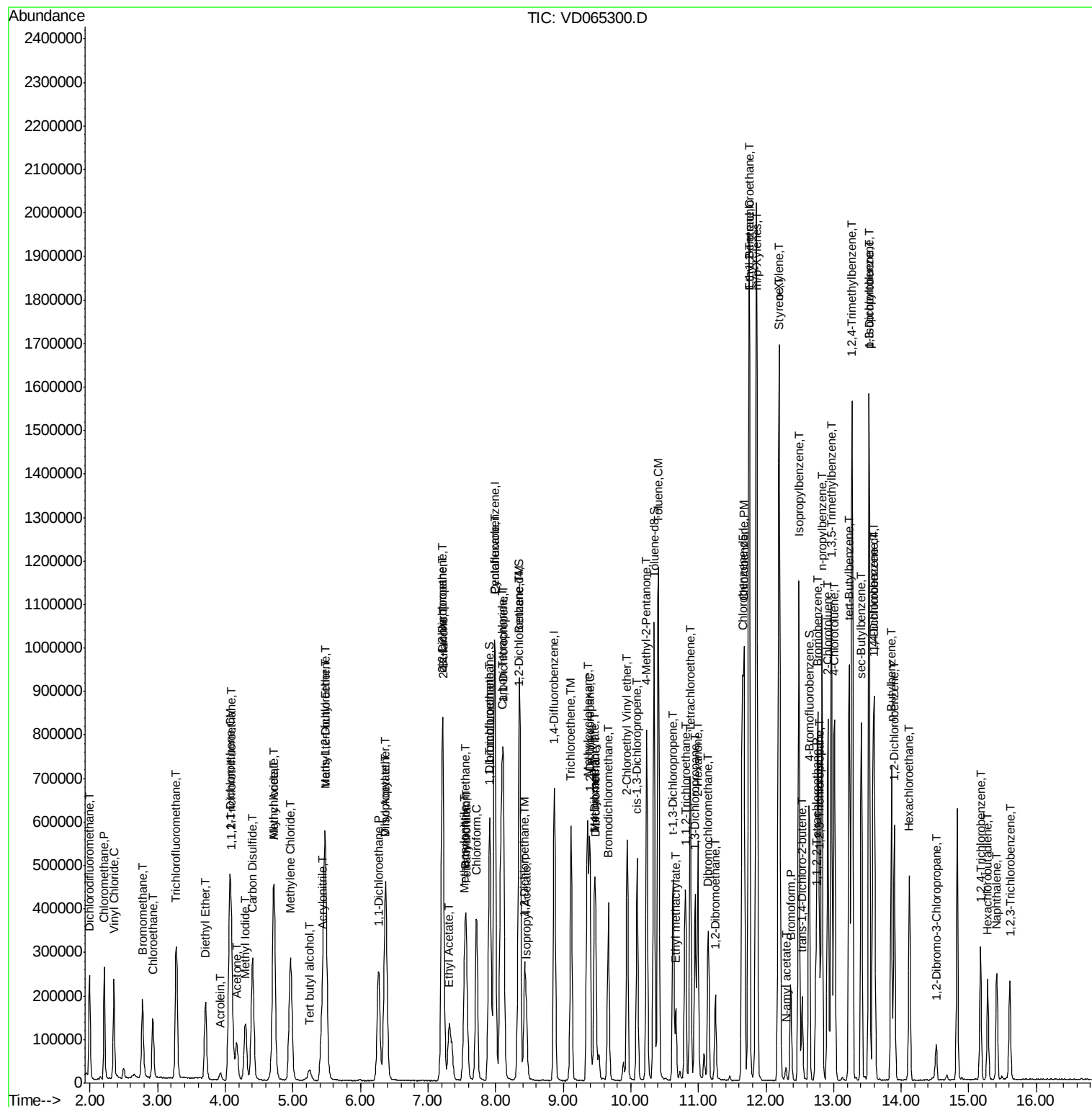
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022420\
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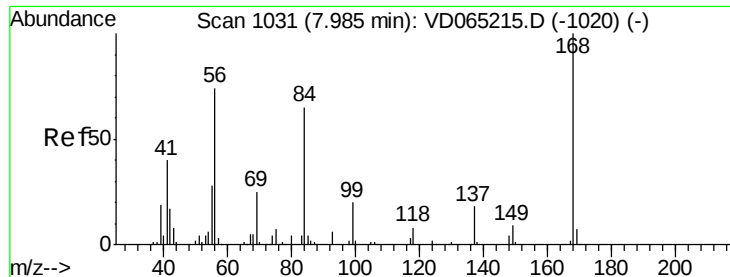
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion:168 Resp: 401685

Ion Ratio Lower Upper

168 100

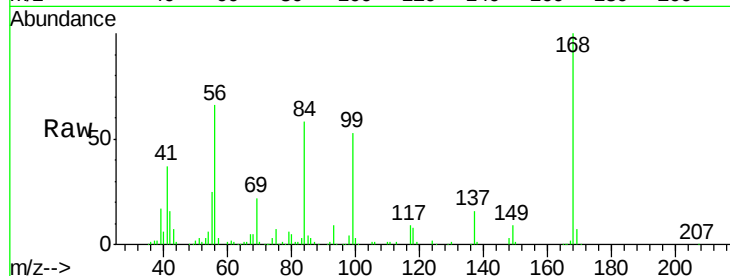
99 52.4 41.4 62.2

Manual Integrations

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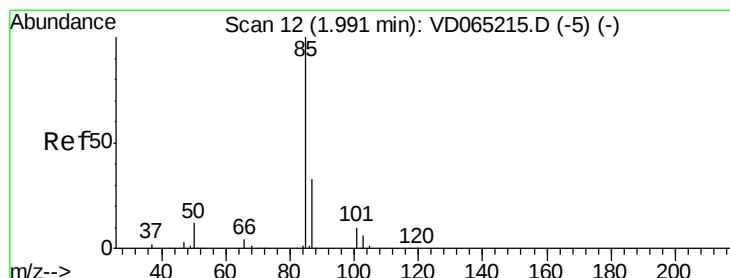
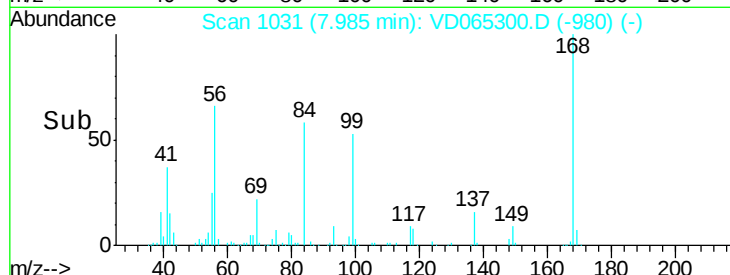
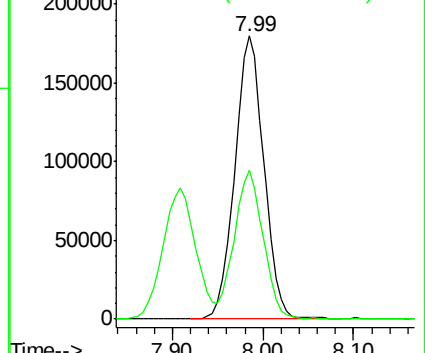
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 54.290 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065300.D

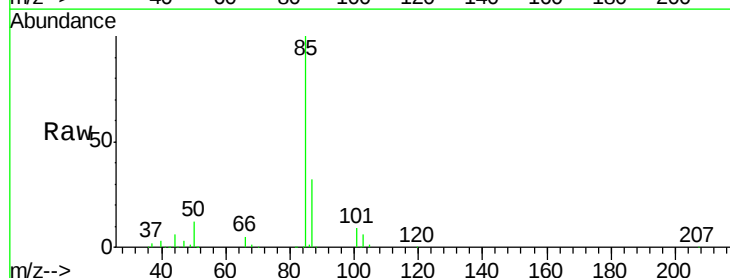
Acq: 24 Feb 2020 17:49

Tgt Ion: 85 Resp: 182909

Ion Ratio Lower Upper

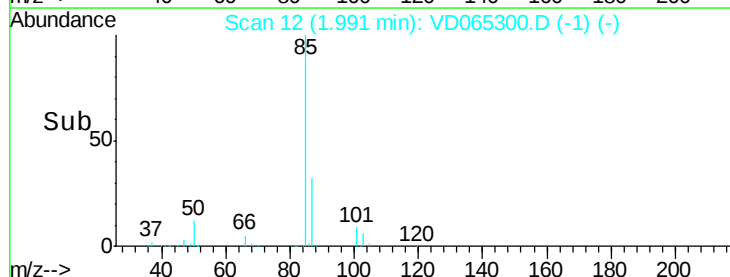
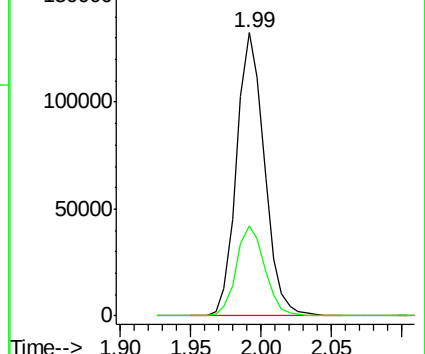
85 100

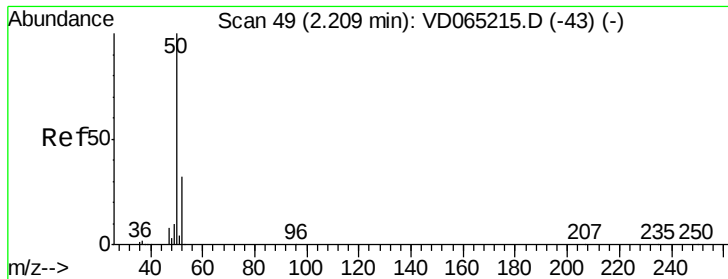
87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.771 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 50 Resp: 213431

Ion Ratio Lower Upper

50 100

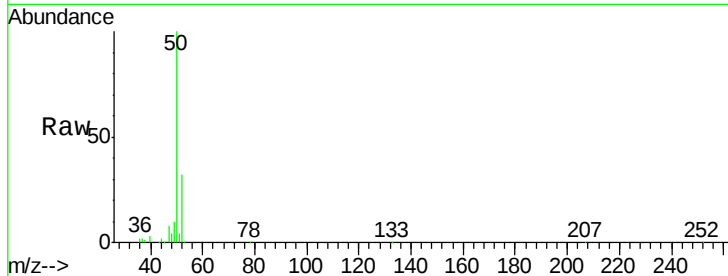
52 31.6 25.5 38.3

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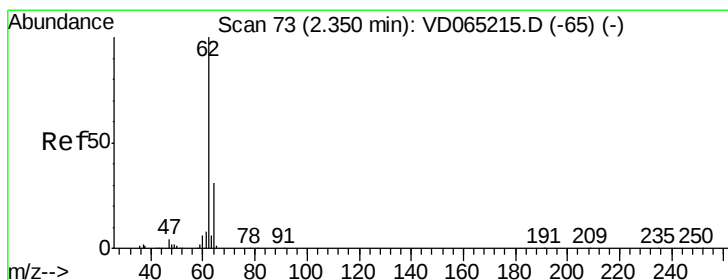
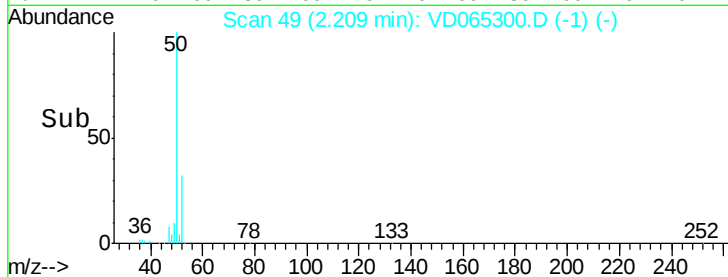
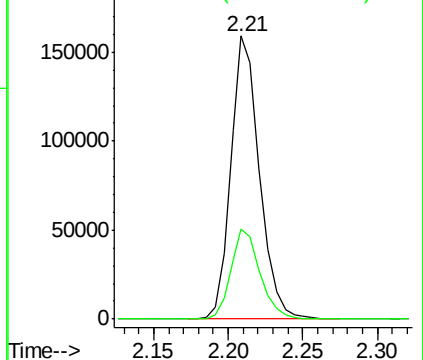
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.474 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065300.D

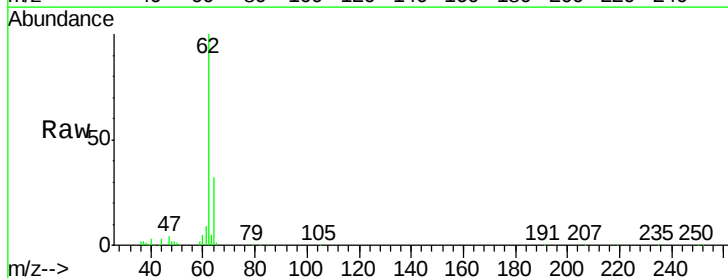
Acq: 24 Feb 2020 17:49

Tgt Ion: 62 Resp: 220095

Ion Ratio Lower Upper

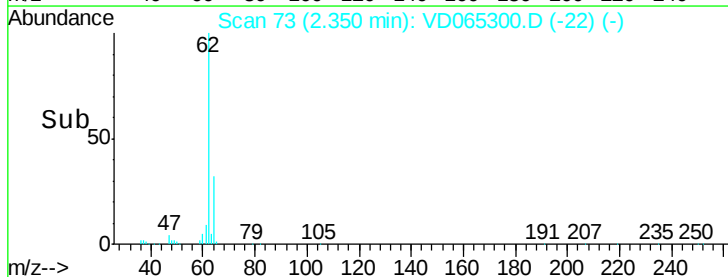
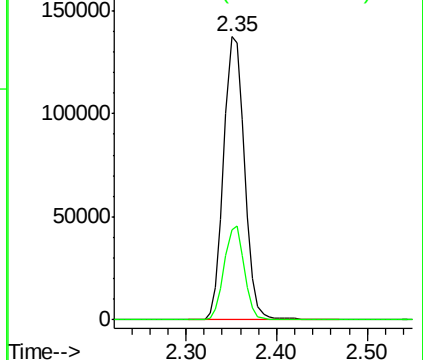
62 100

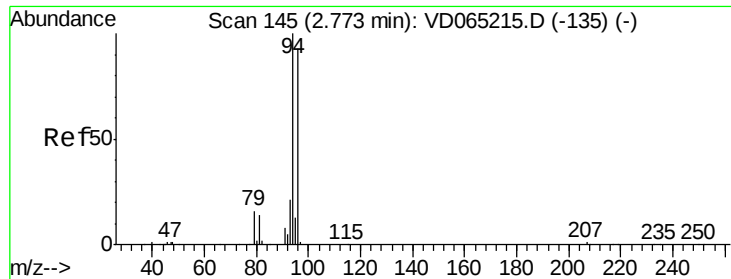
64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.629 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

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Tot Ion: 94 Resp: 136119

Ion Ratio Lower Upper

94 100

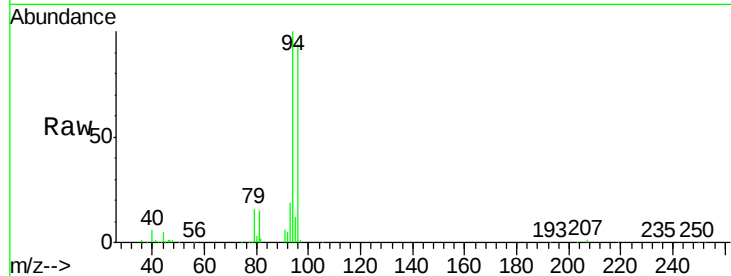
96 93.4 74.2 111.4

Manual Integrations

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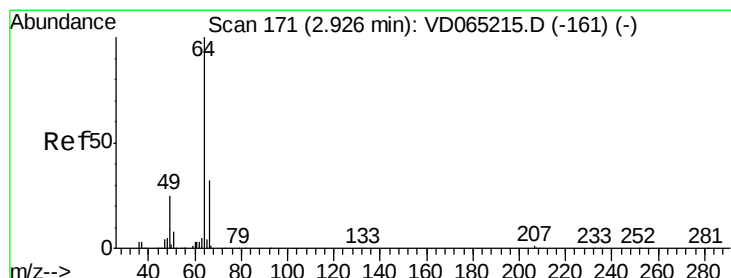
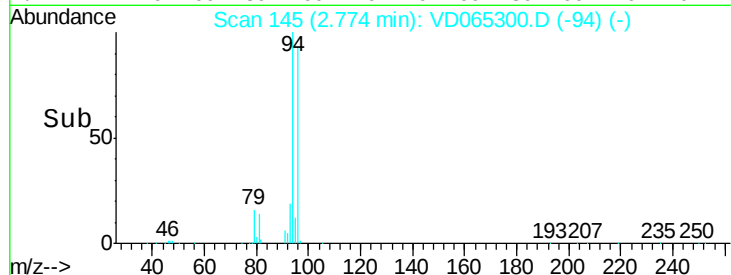
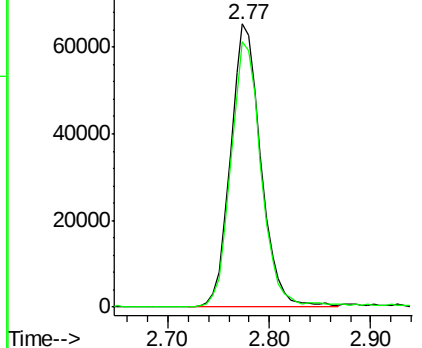
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.351 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065300.D

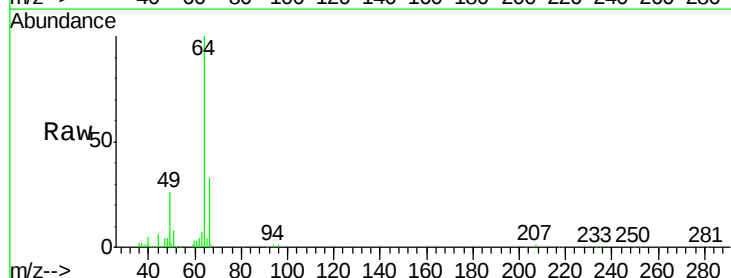
Acq: 24 Feb 2020 17:49

Tgt Ion: 64 Resp: 134019

Ion Ratio Lower Upper

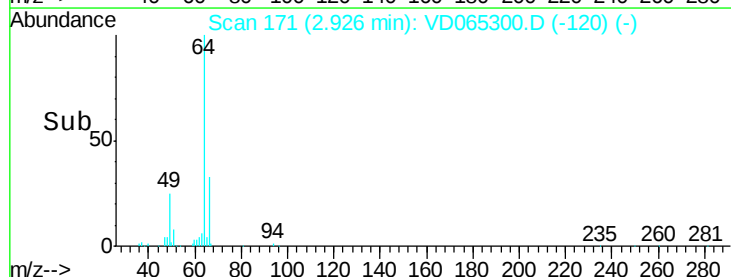
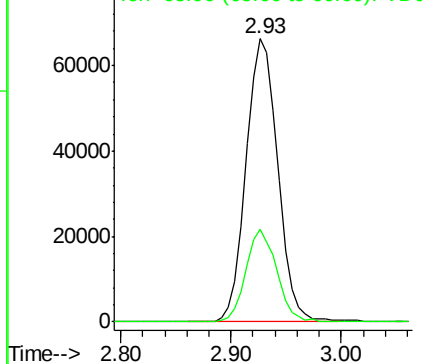
64 100

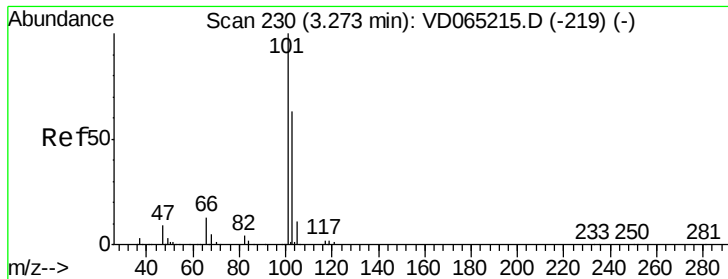
66 32.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

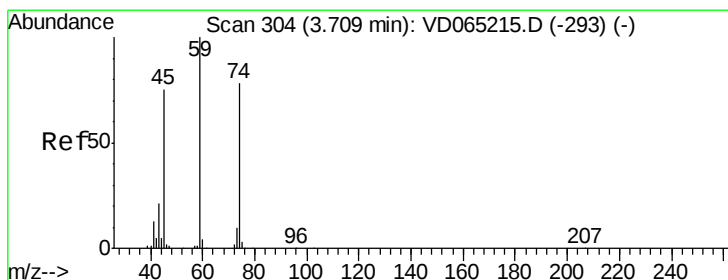
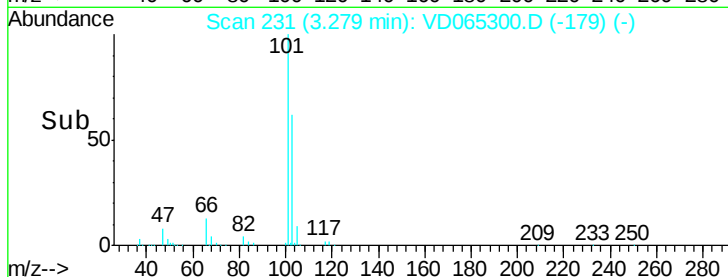
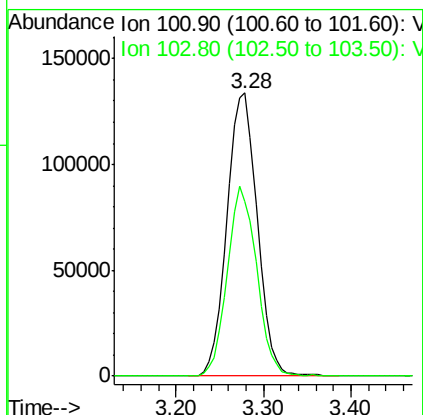
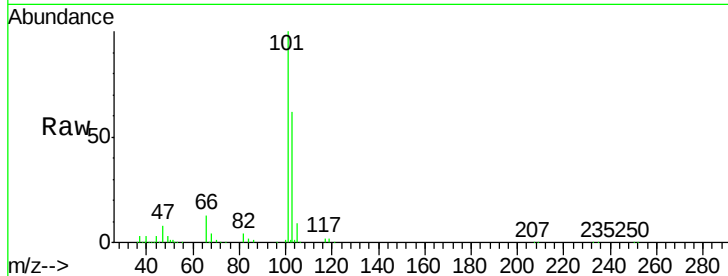
Trichlorofluoromethane
 Concen: 50.681 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065300.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.7	76.1

Manual Integrations
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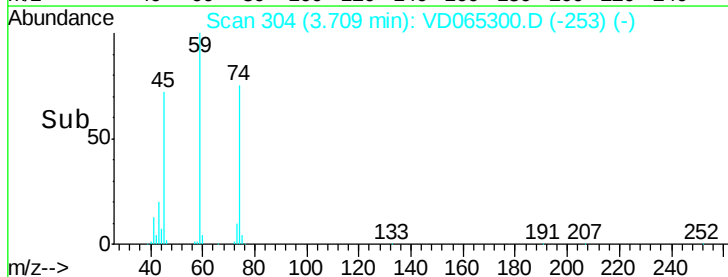
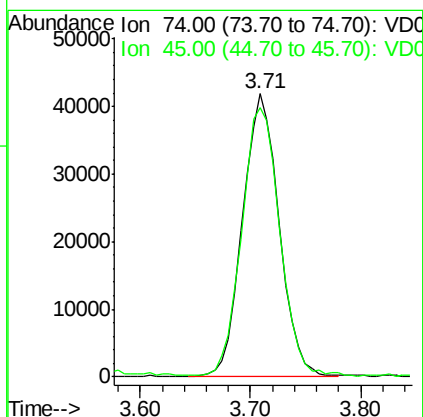
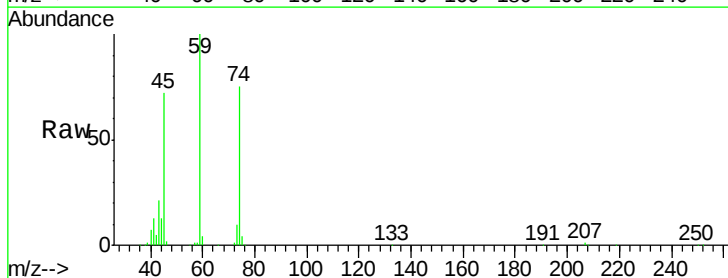
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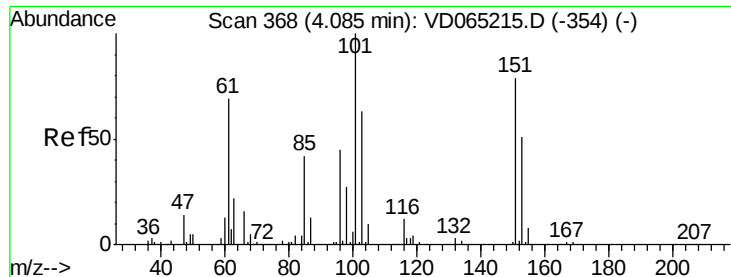


#8

Diethyl Ether
 Concen: 51.694 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.339 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

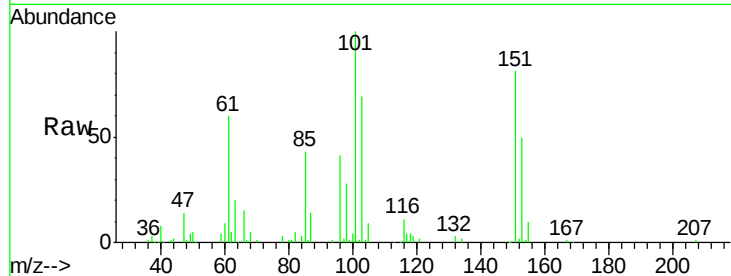
ClientSampleId :

LIED-TS001-01MSD

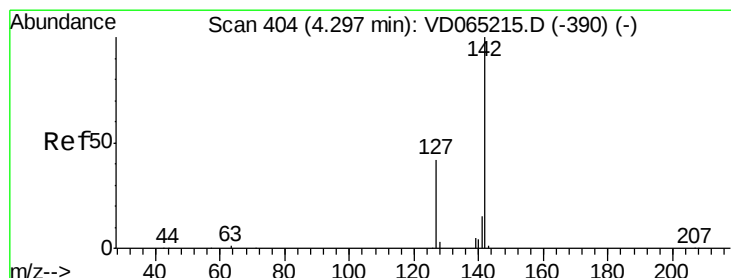
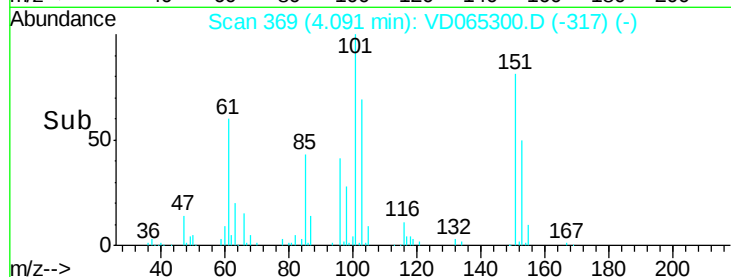
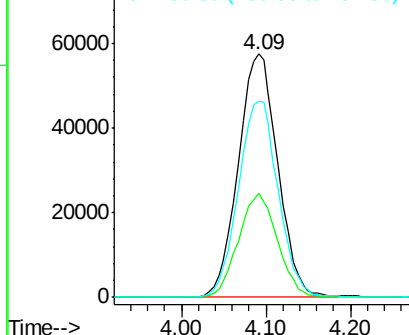
Tot Ion:	101	Resp:	186633
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	81.4	63.5	95.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.610 ug/l

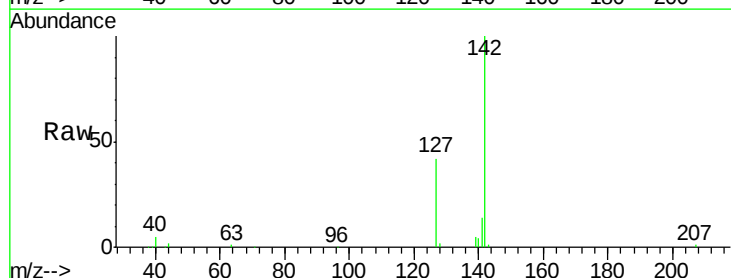
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

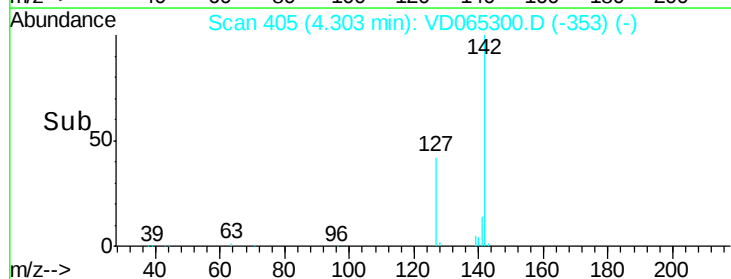
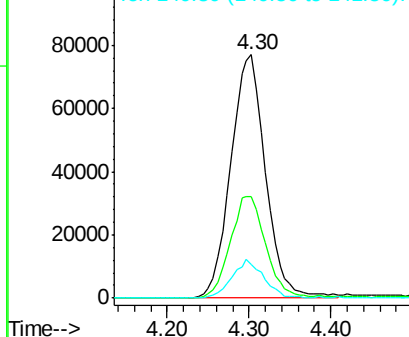
Lab File: VD065300.D

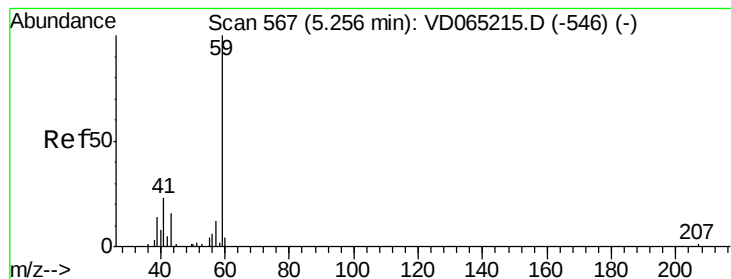
Acq: 24 Feb 2020 17:49

Tgt Ion:	142	Resp:	227634
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.8
141	14.7	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

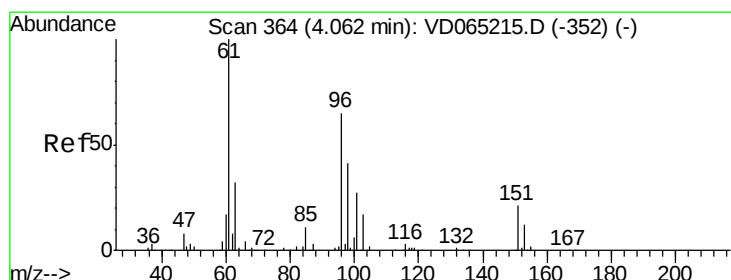
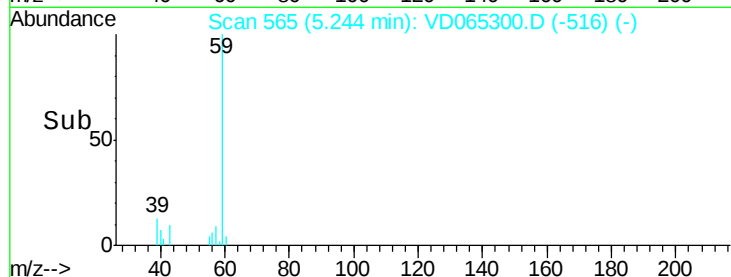
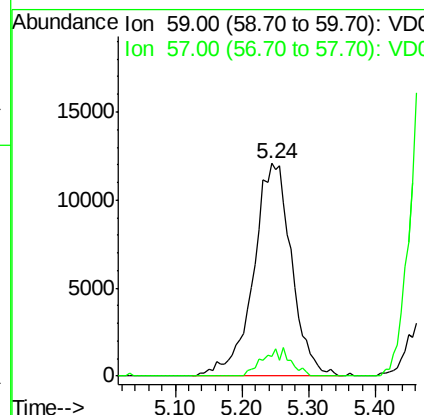
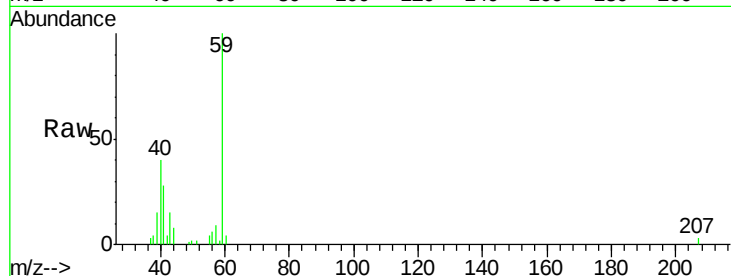
Tert butyl alcohol
Concen: 220.354 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	59	57	Ratio	100	9.5	Resp:	47582	Lower	8.4	Upper	12.6
Ion											

Manual Integrations
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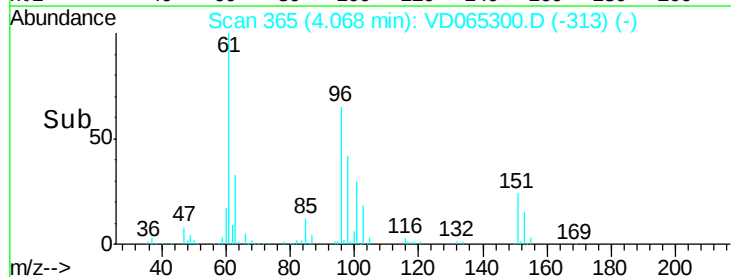
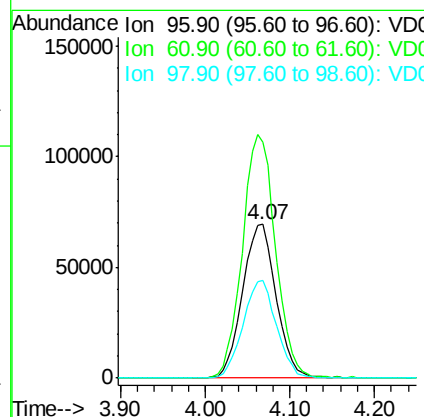
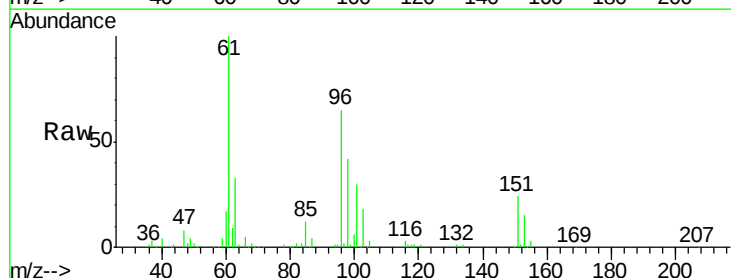
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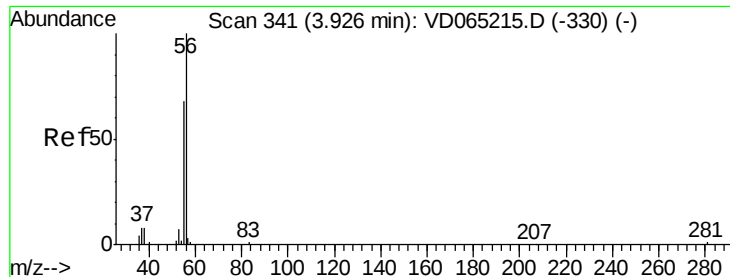


#12

1,1-Dichloroethene
Concen: 51.605 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	96	61	98	Ratio	100	153.2	63.7	Resp:	192187	Lower	123.3	51.0	Upper	184.9	76.4
Ion															





#13

Acrolein

Concen: 52.735 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 56 Resp: 20054

Ion Ratio Lower Upper

56 100

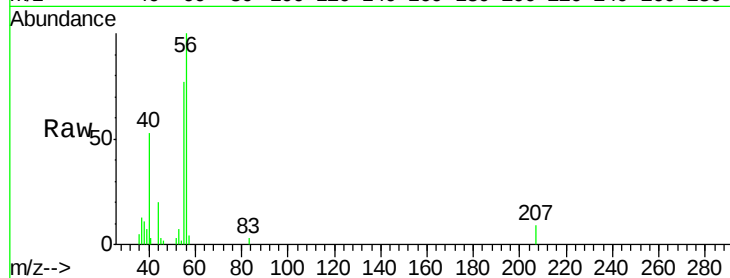
55 68.5 56.6 85.0

Manual Integrations

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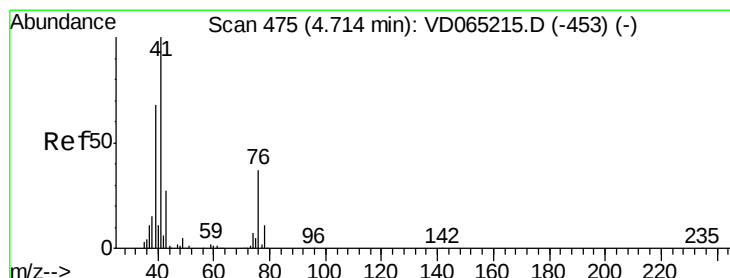
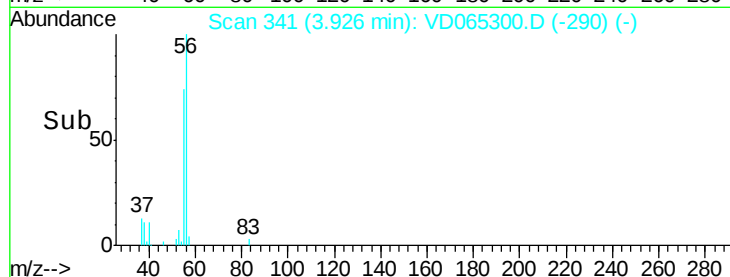
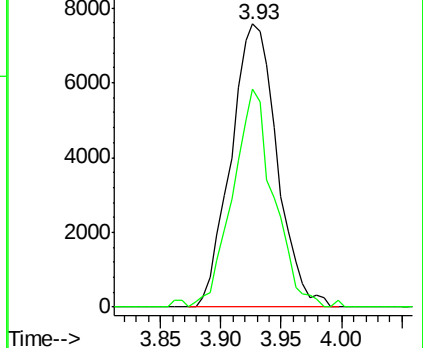
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.256 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

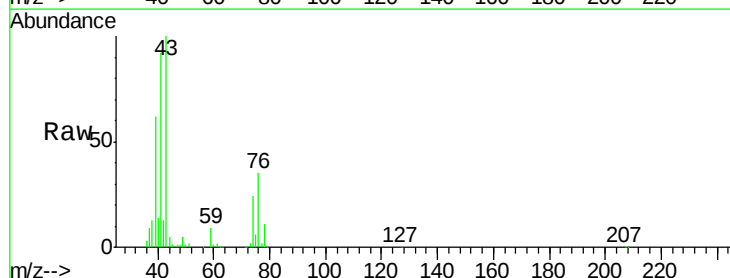
Tgt Ion: 41 Resp: 316032

Ion Ratio Lower Upper

41 100

39 66.3 53.8 80.6

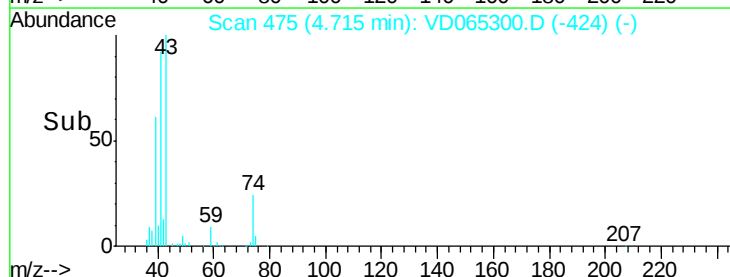
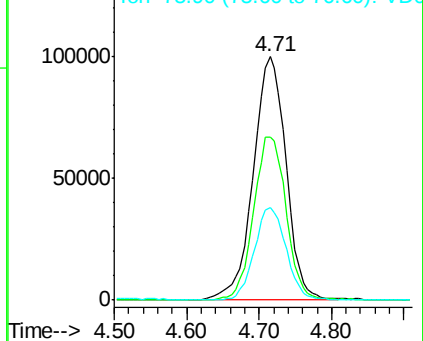
76 37.0 28.7 43.1

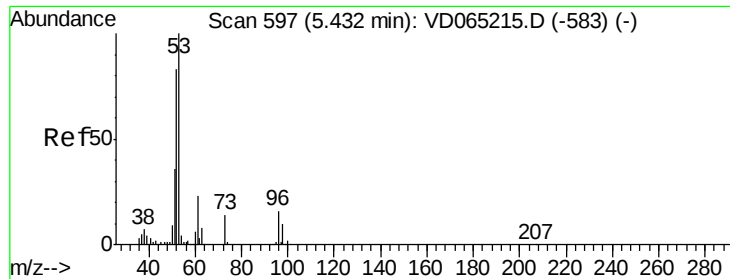


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 237.495 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

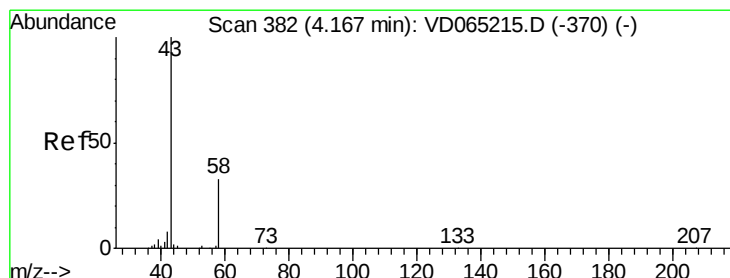
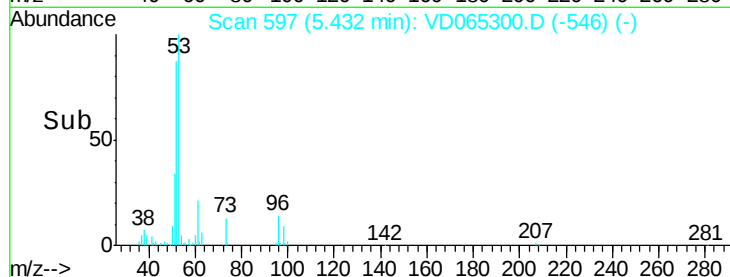
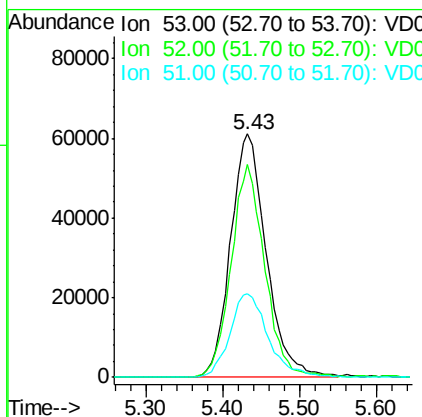
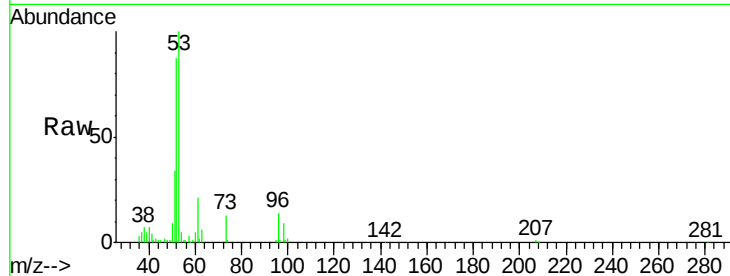
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	53	Resp:	198146
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.4	98.2
51	36.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 165.498 ug/l

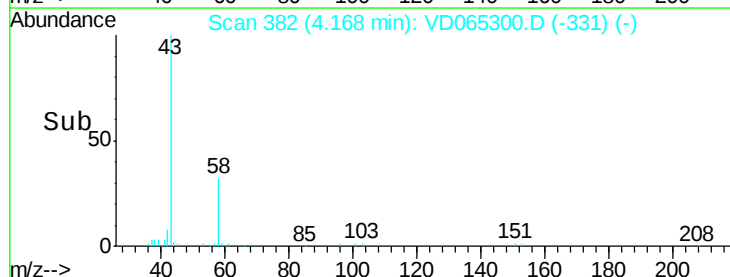
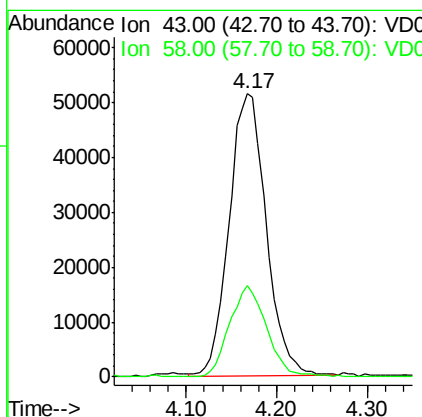
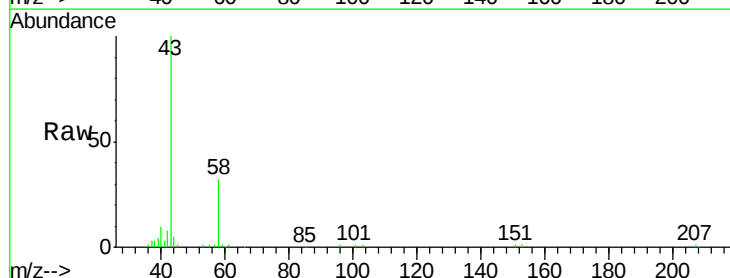
RT: 4.17 min Scan# 382

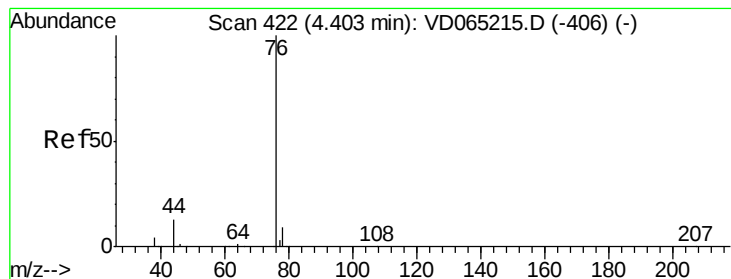
Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion:	43	Resp:	146191
Ion Ratio	Lower	Upper	
43	100		
58	32.0	26.2	39.2





#17

Carbon Disulfide

Concen: 47.860 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 76 Resp: 597576

Ion Ratio Lower Upper

76 100

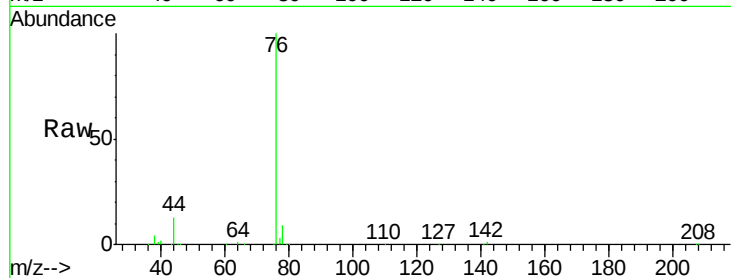
78 8.7 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

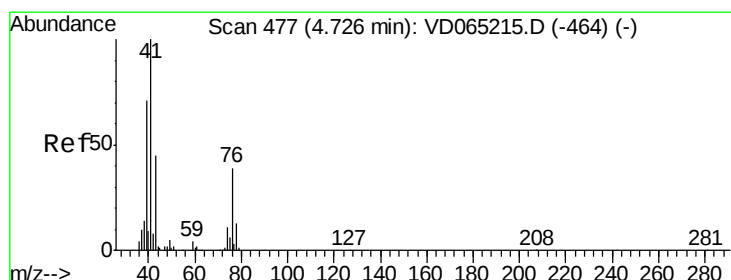
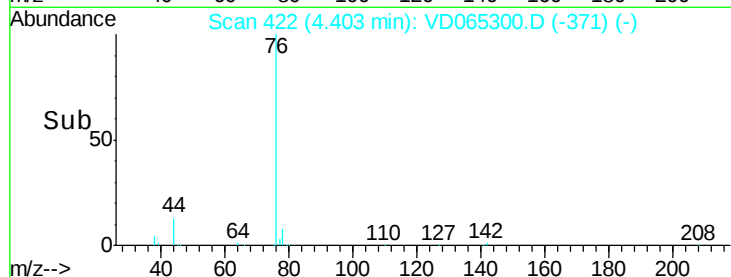
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 193.555 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065300.D

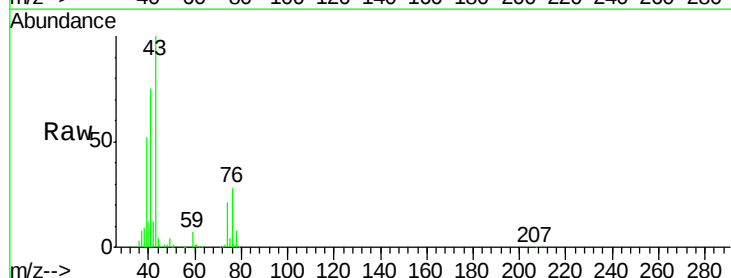
Acq: 24 Feb 2020 17:49

Tgt Ion: 43 Resp: 384535

Ion Ratio Lower Upper

43 100

74 23.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

150000

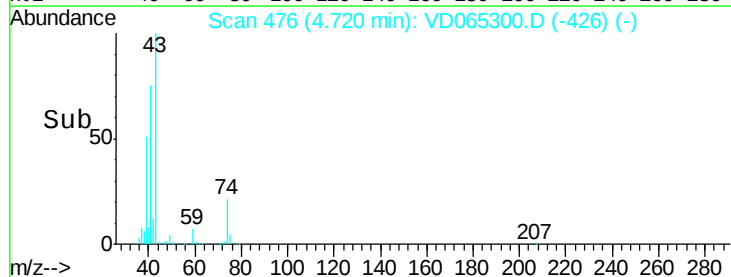
100000

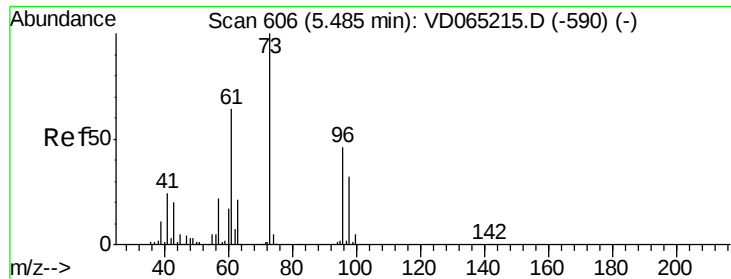
50000

0

4.60 4.70 4.80 4.90

Time-->





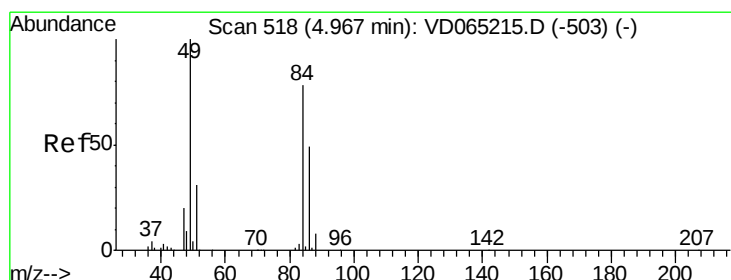
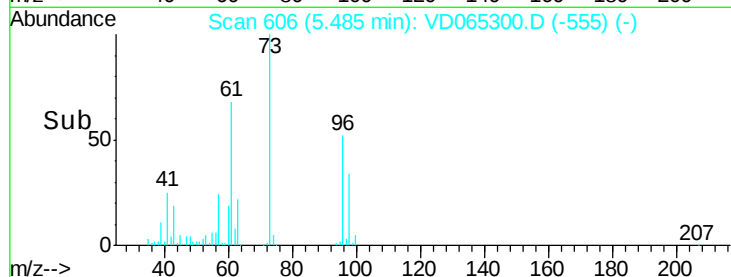
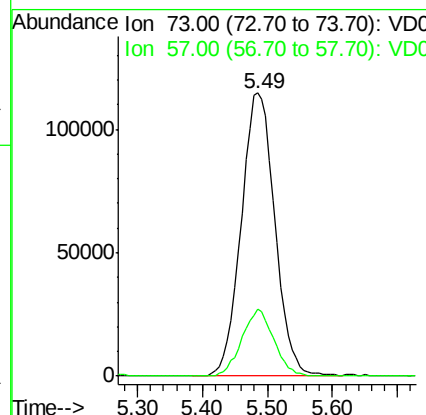
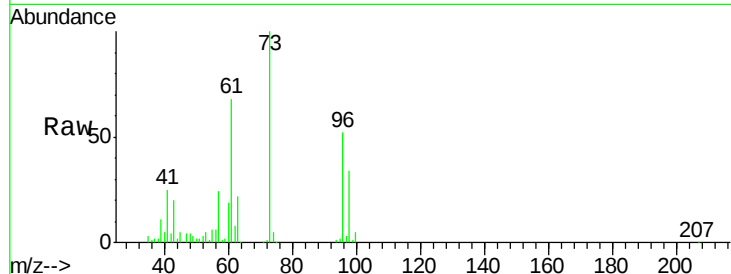
#19
Methvl tert-butvl Ether
Concen: 52.895 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion: 73 Resp: 410795
Ion Ratio Lower Upper
73 100
57 23.6 17.3 25.9

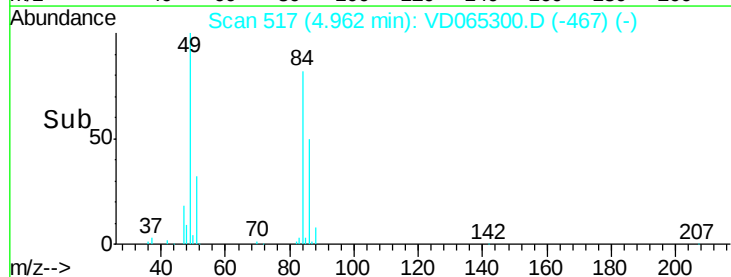
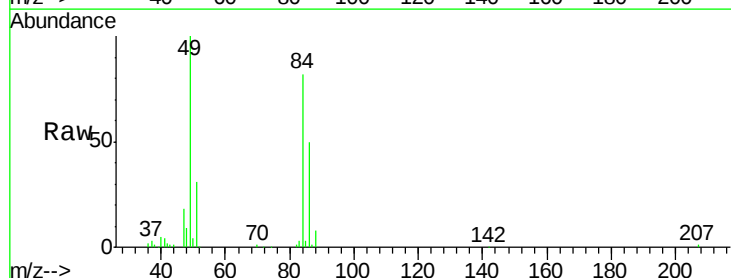
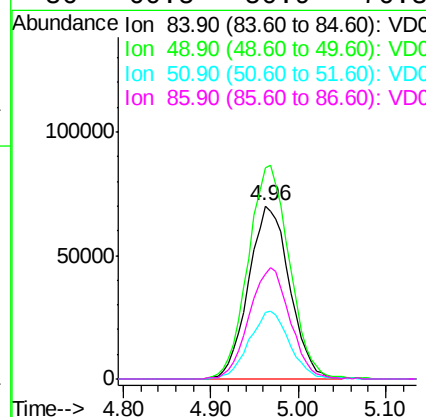
Manual Integrations
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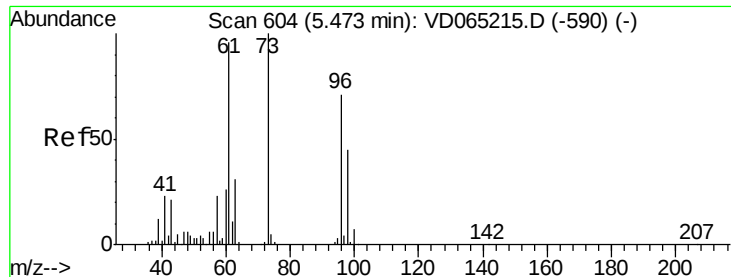
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#20
Methylene Chloride
Concen: 57.779 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 84 Resp: 224392
Ion Ratio Lower Upper
84 100
49 121.9 103.1 154.7
51 38.3 31.7 47.5
86 60.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.229 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 96 Resp: 216890

Ion Ratio Lower Upper

96 100

61 134.0 108.3 162.5

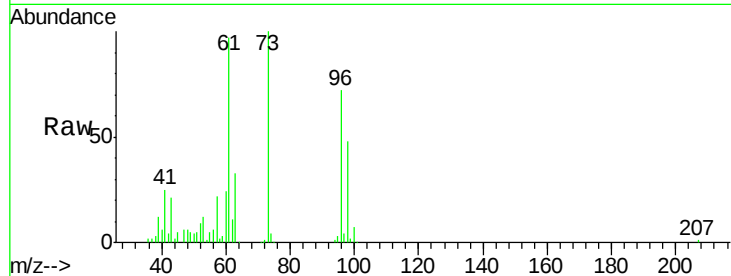
98 66.5 50.7 76.1

Manual Integrations

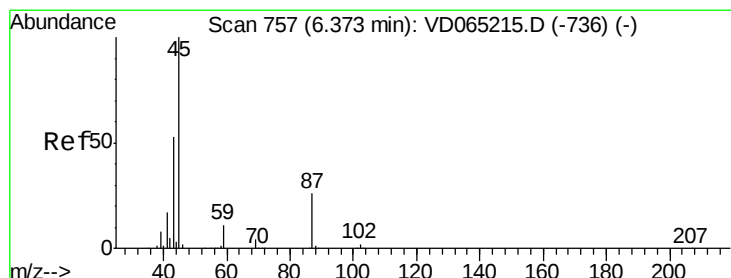
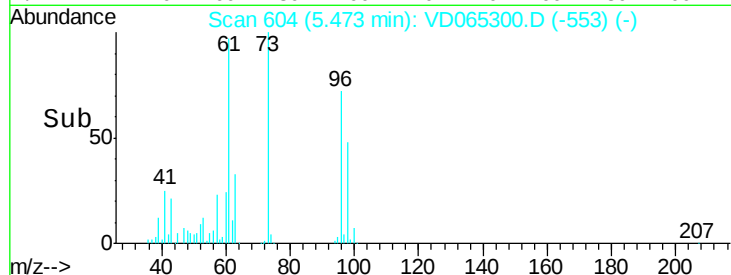
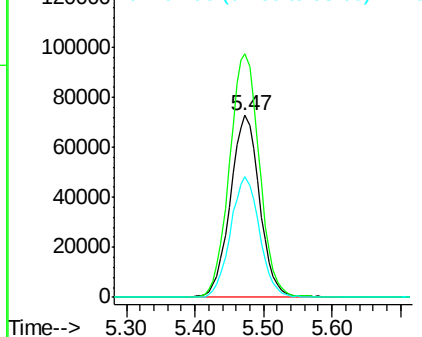
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 50.082 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion: 45 Resp: 583890

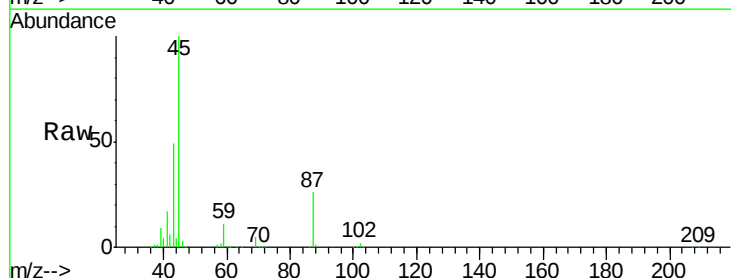
Ion Ratio Lower Upper

45 100

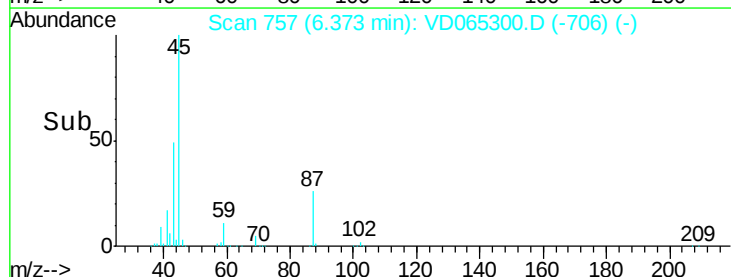
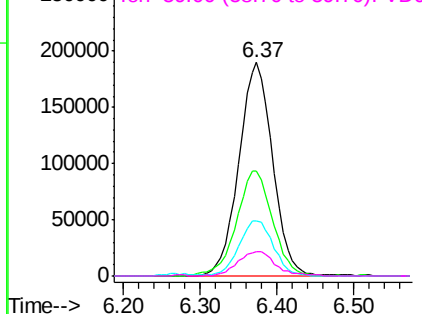
43 48.9 42.6 64.0

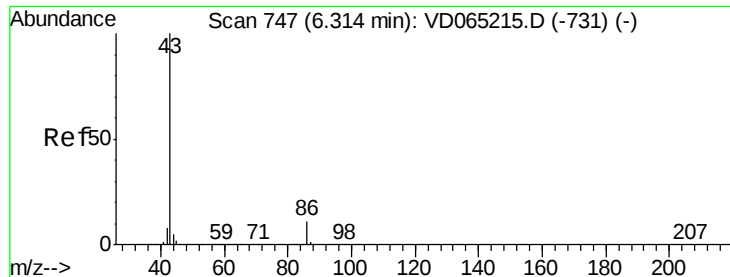
87 25.7 21.2 31.8

59 11.2 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 47.759 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.06 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 43 Resp: 306966

Ion Ratio Lower Upper

43 100

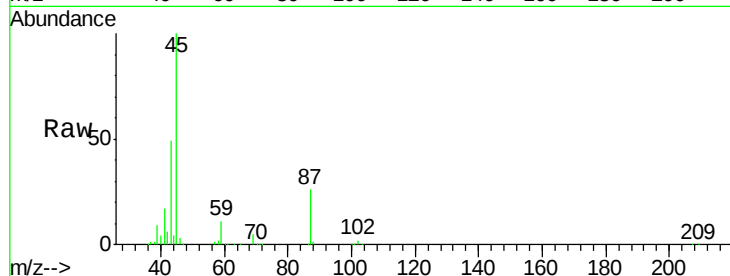
86 0.5 8.6 12.8#

Manual Integrations

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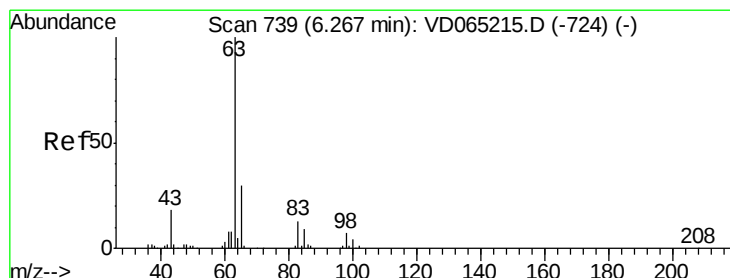
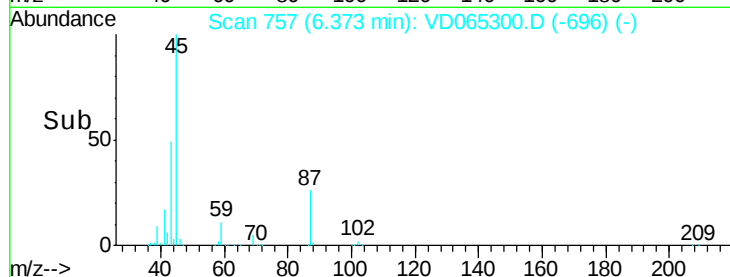
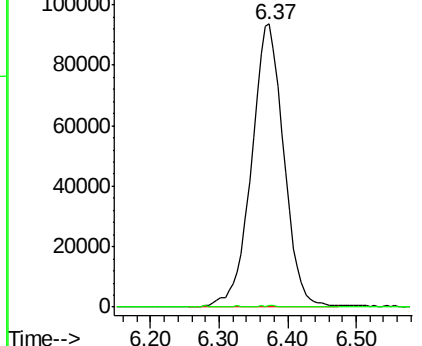
MMDadoda

2/25/2020 5:15:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.821 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

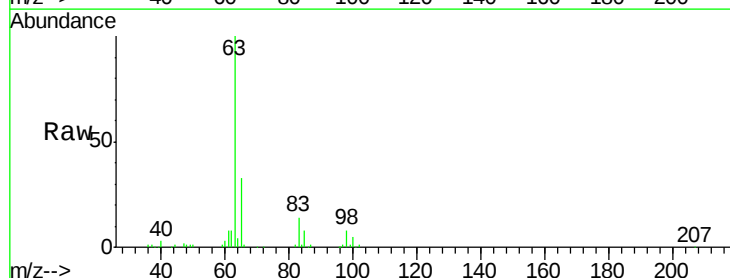
Tgt Ion: 63 Resp: 374744

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

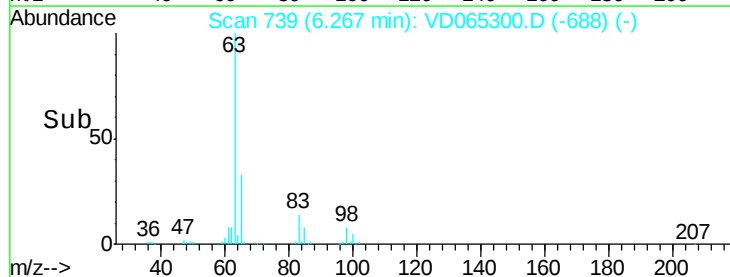
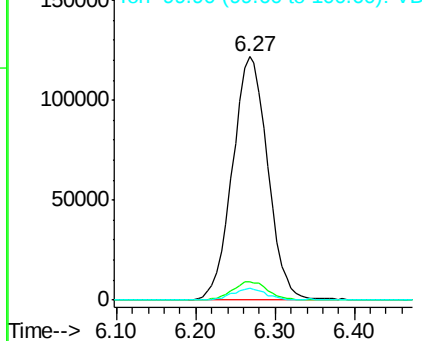
100 4.9 2.3 6.8

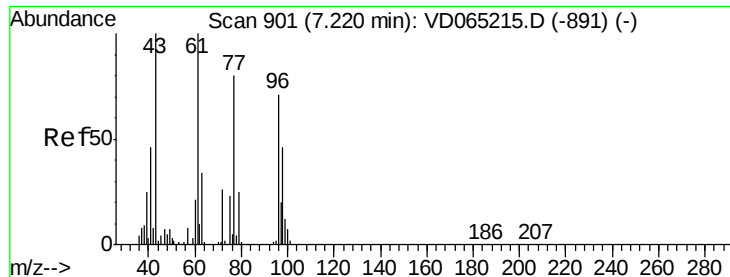


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 204.388 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 43 Resp: 228427

Ion Ratio Lower Upper

43 100

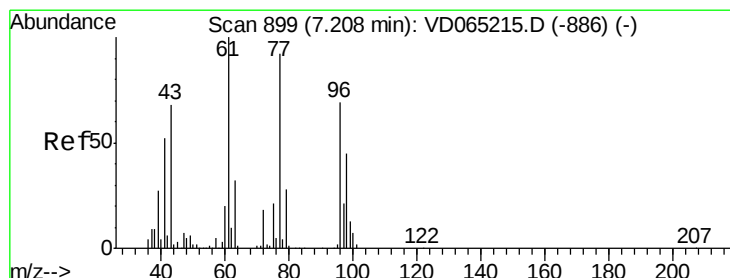
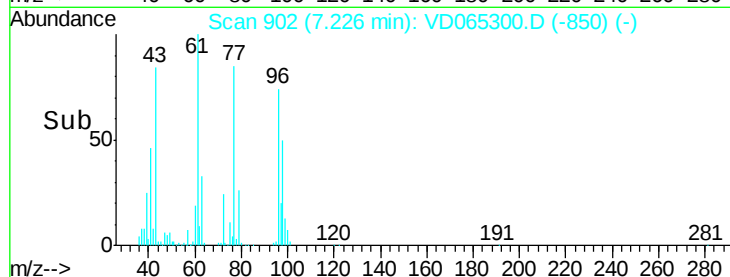
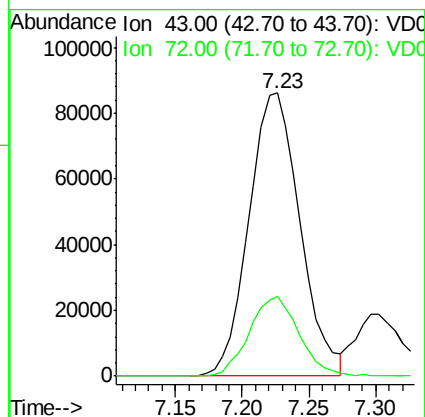
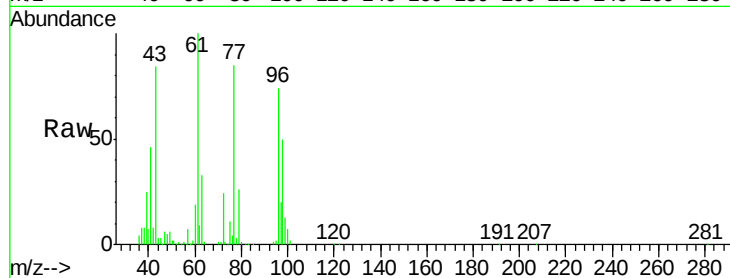
72 28.3 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.368 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065300.D

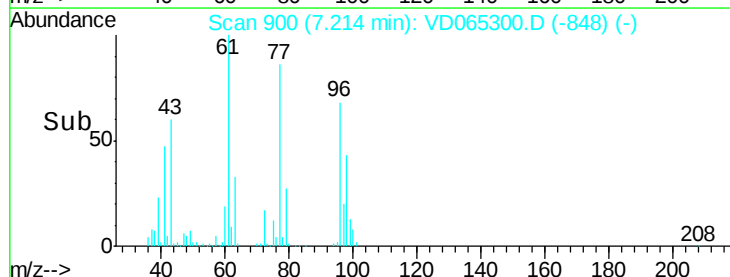
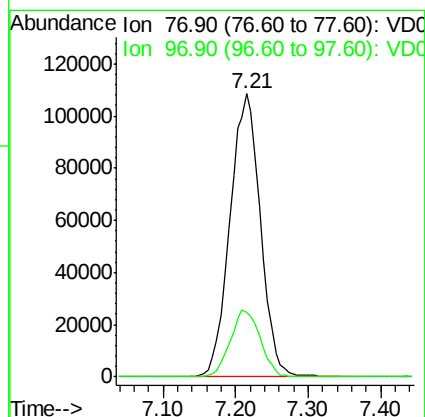
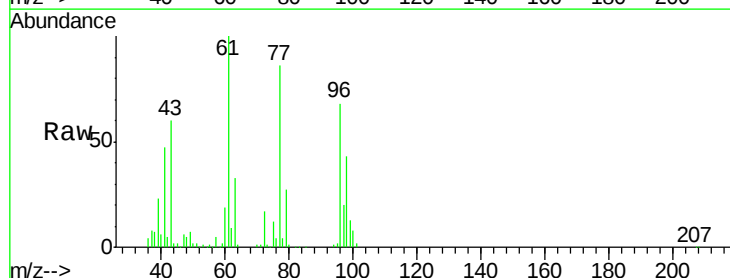
Acq: 24 Feb 2020 17:49

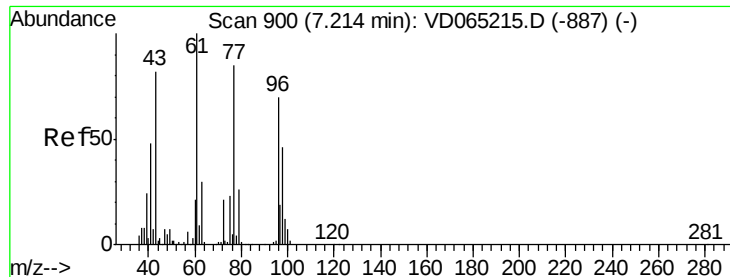
Tgt Ion: 77 Resp: 316022

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

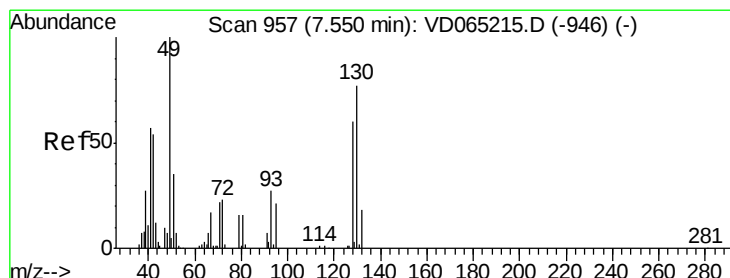
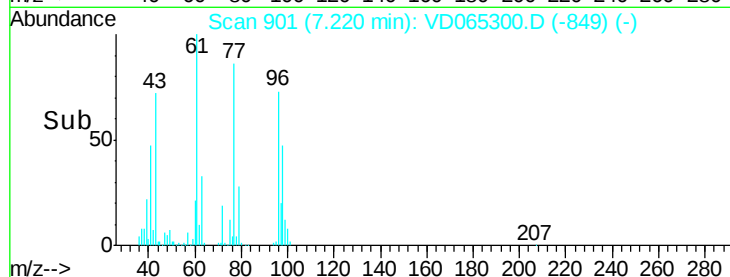
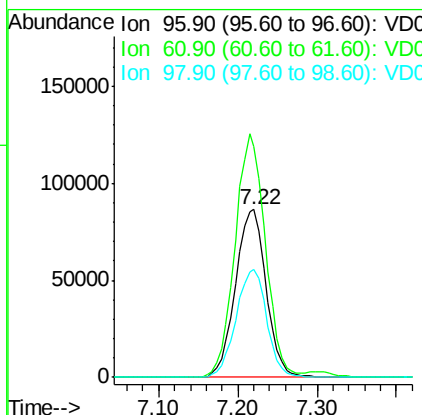
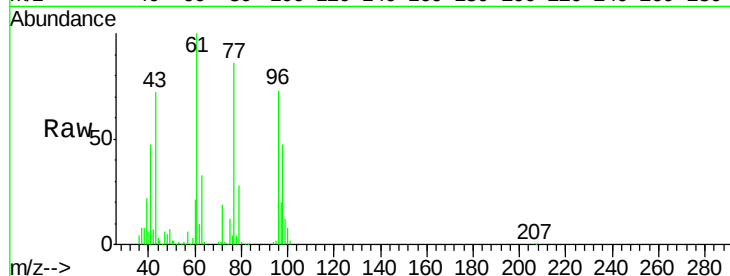
cis-1,2-Dichloroethene
 Concen: 51.707 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	286.0
98	64.5	0.0	127.8

Manual Integrations
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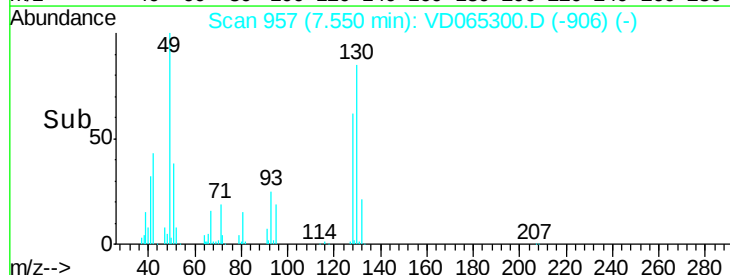
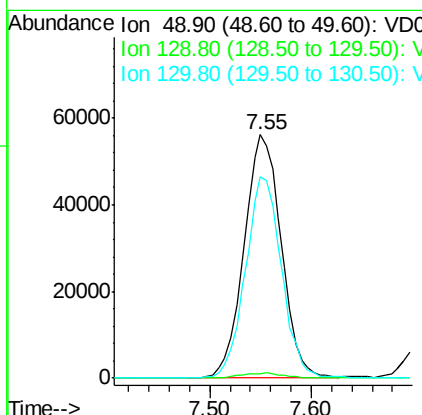
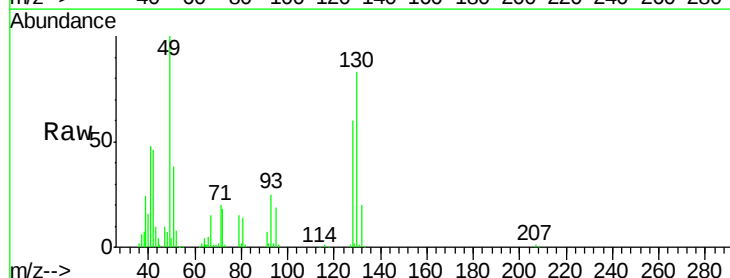
MMDadoda
 2/25/2020 5:15:51 PM

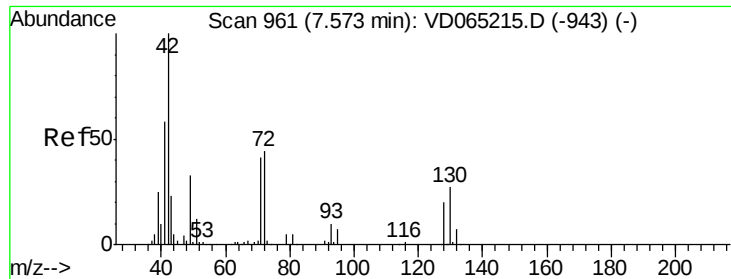


#28

Bromochloromethane
 Concen: 53.360 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	80.5	64.7	97.1





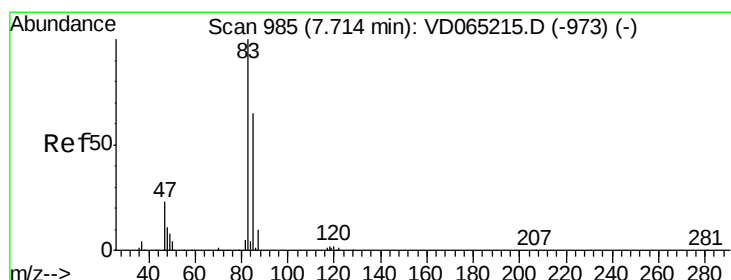
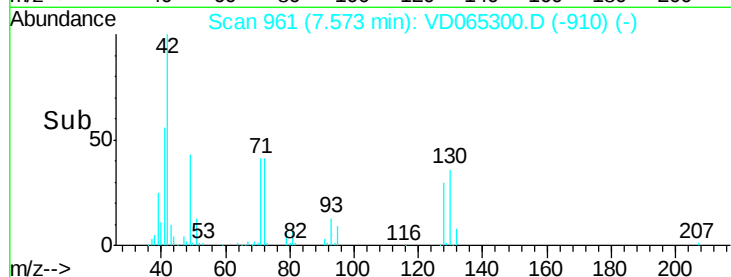
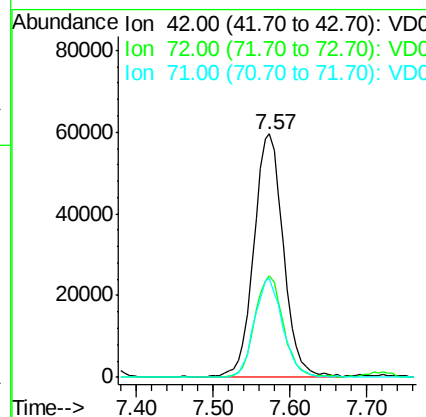
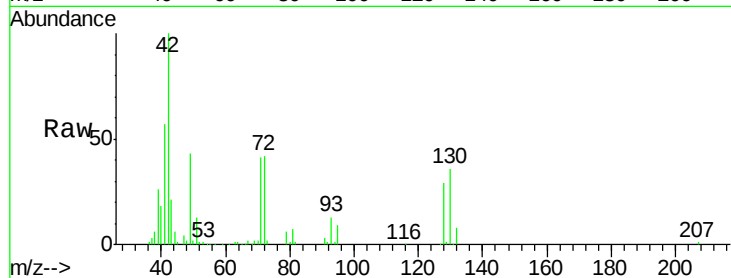
#29
Tetrahydrofuran
Concen: 245.024 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.7	50.5
71	38.8	31.4	47.2

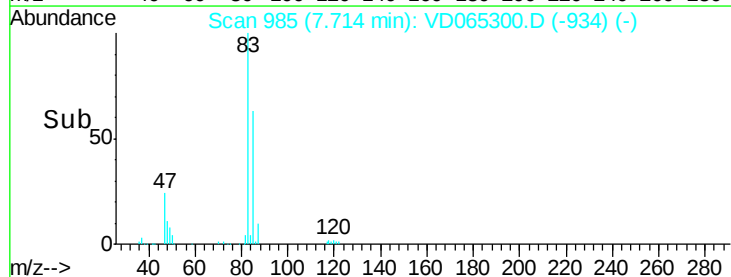
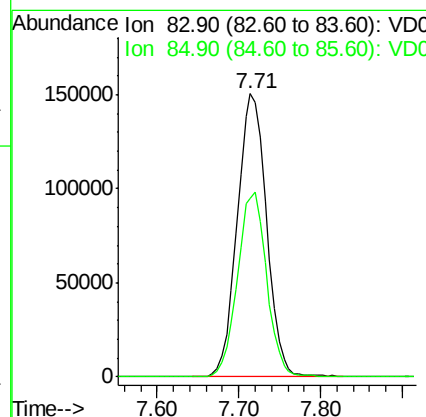
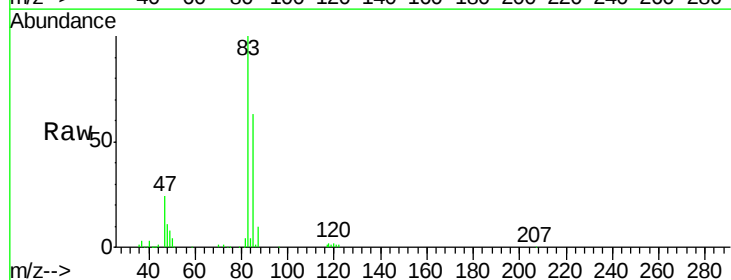
Manual Integrations
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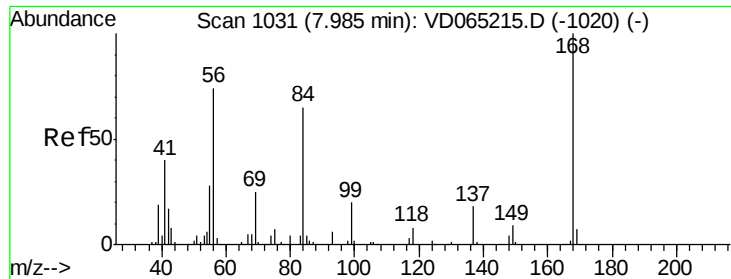
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#30
Chloroform
Concen: 51.639 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.3	78.5





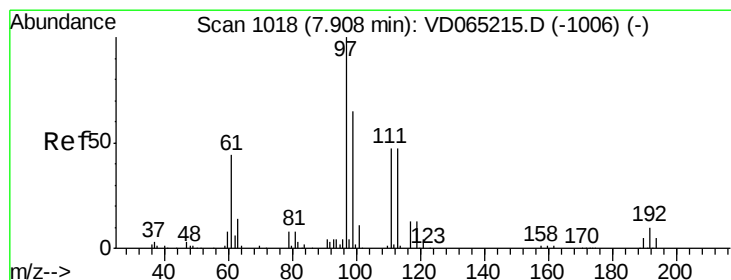
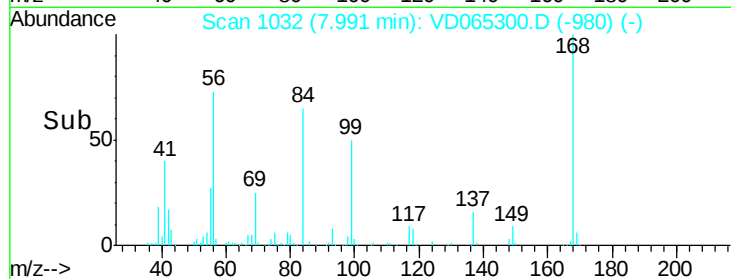
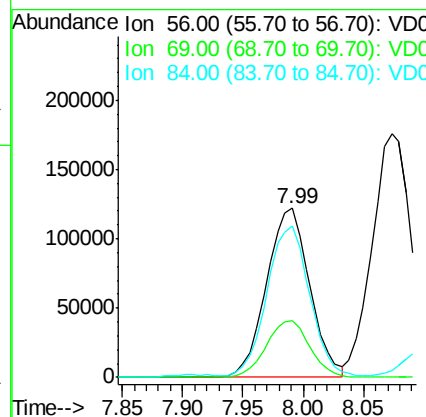
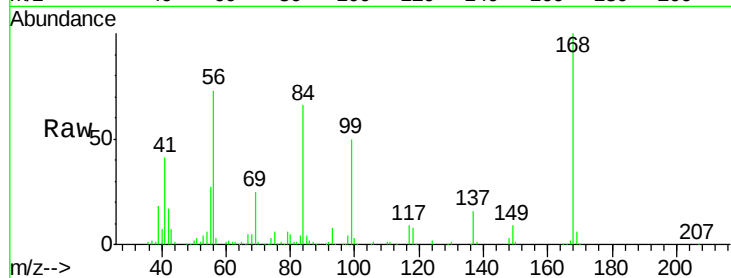
#31
Cyclohexane
Concen: 42.522 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.4	41.0
84	87.8	71.1	106.7

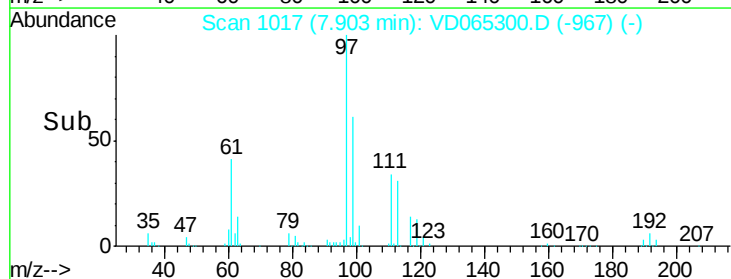
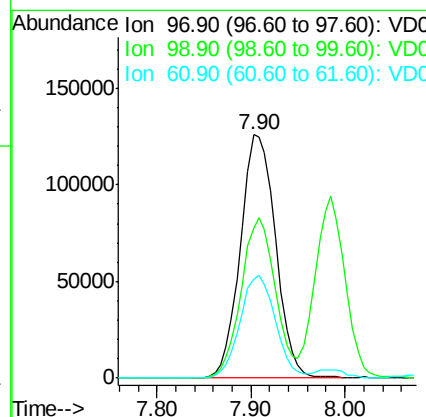
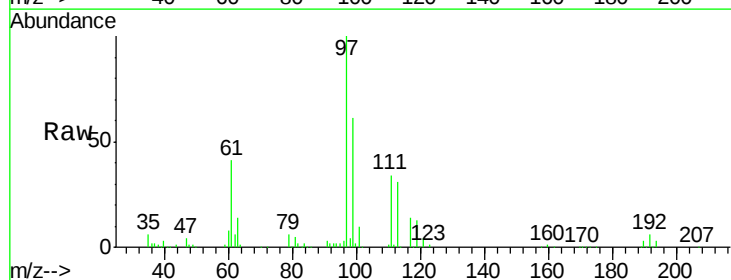
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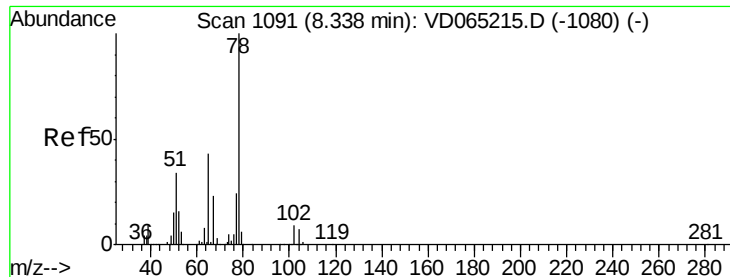
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.261 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.2
61	42.2	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 50.528 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 65 Resp: 182588

Ion Ratio Lower Upper

65 100

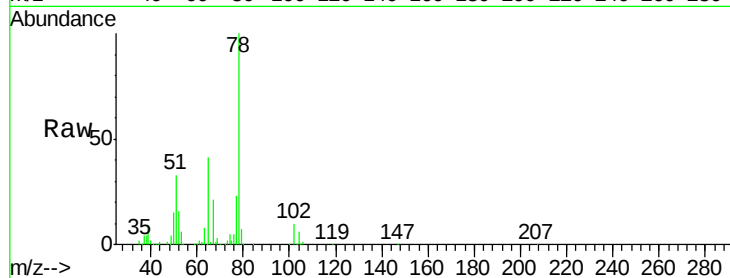
67 53.1 0.0 106.8

Manual Integrations

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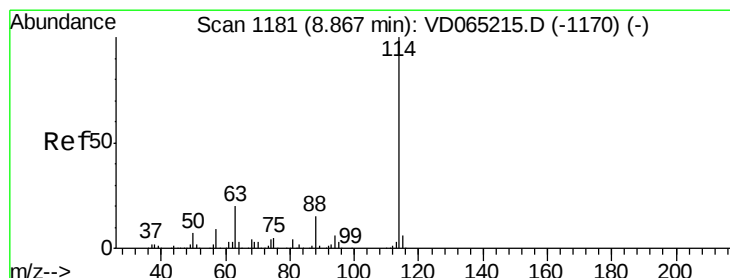
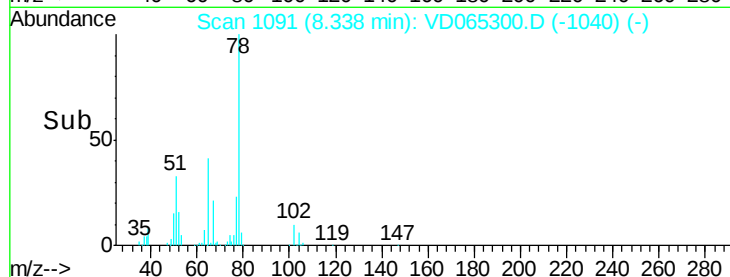
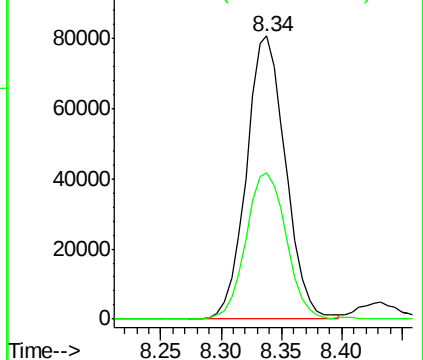
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

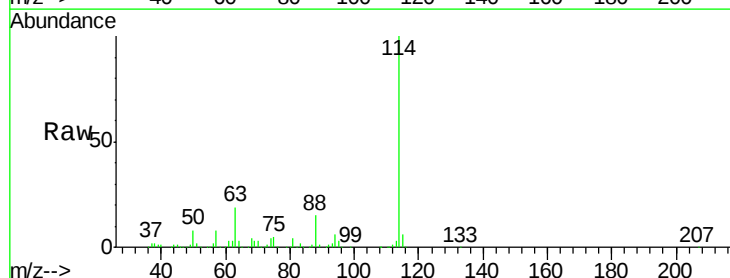
Tgt Ion: 114 Resp: 599082

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.4

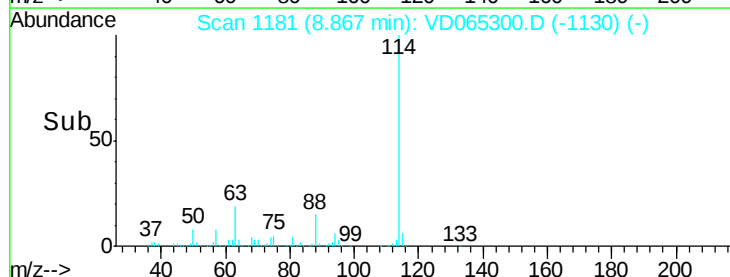
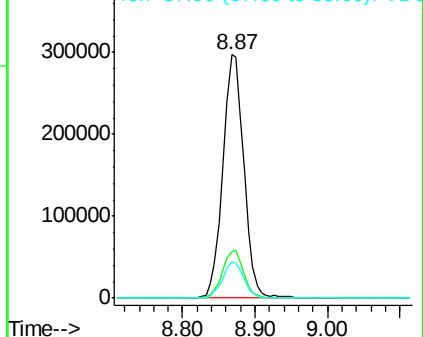
88 15.0 0.0 30.4

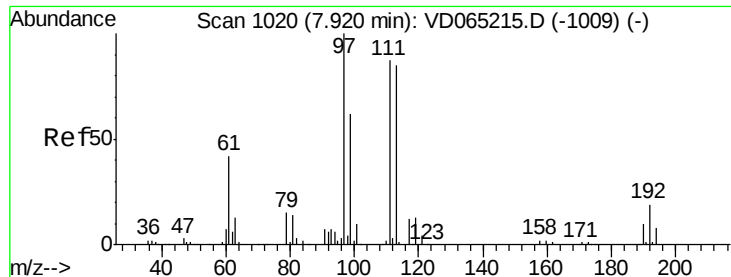


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





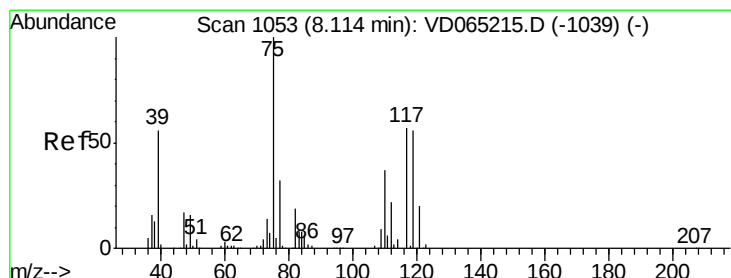
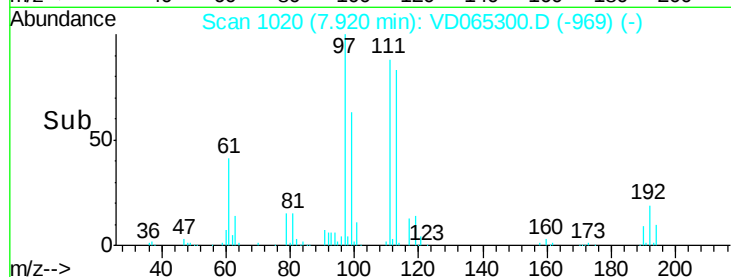
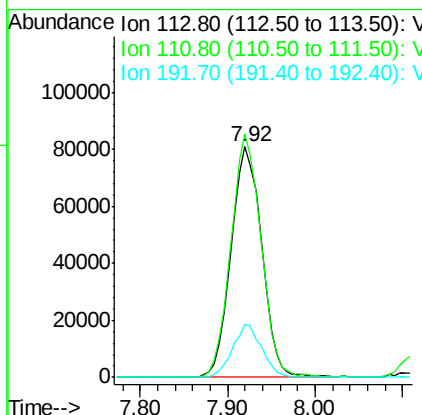
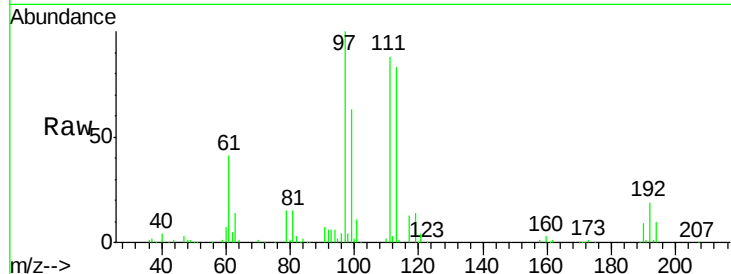
#35
 Dibromofluoromethane
 Concen: 52.967 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193479		
111	103.6	82.9	124.3	
192	21.6	17.3	25.9	

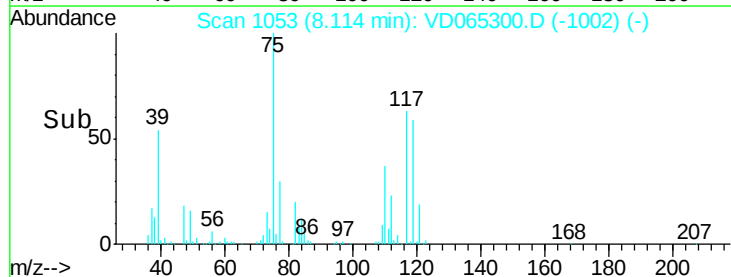
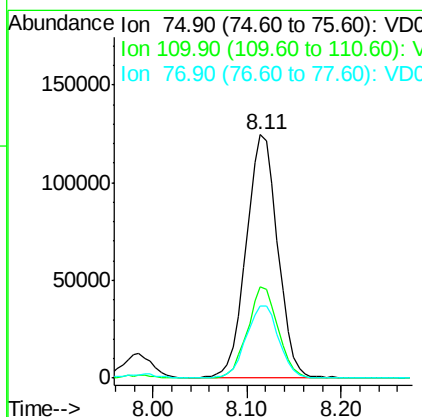
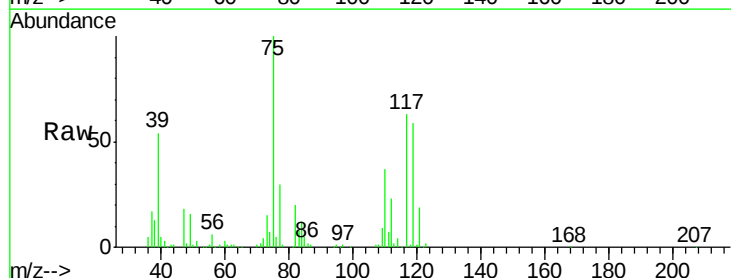
Manual Integrations
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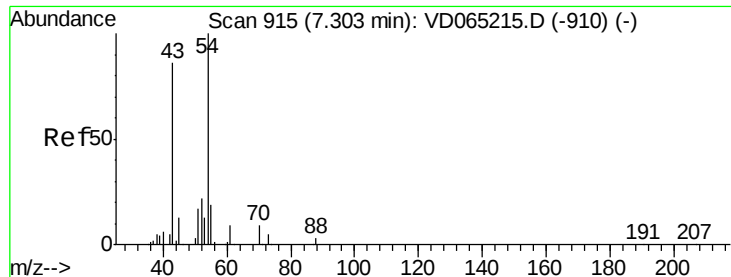
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.868 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	290689		
110	36.2	17.9	53.7	
77	30.7	25.1	37.7	





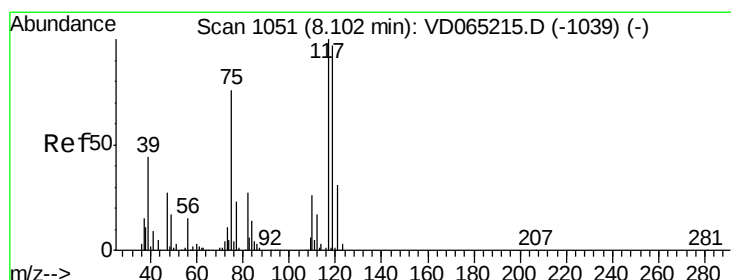
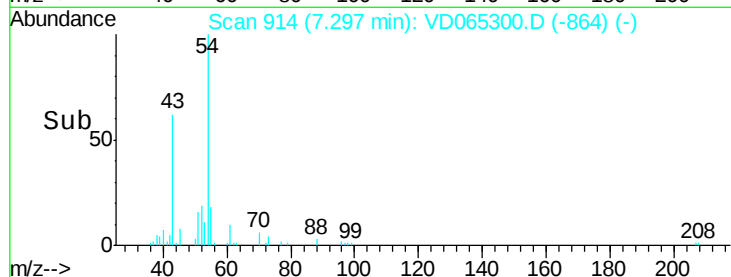
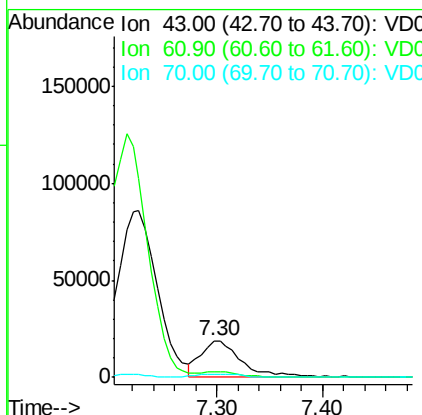
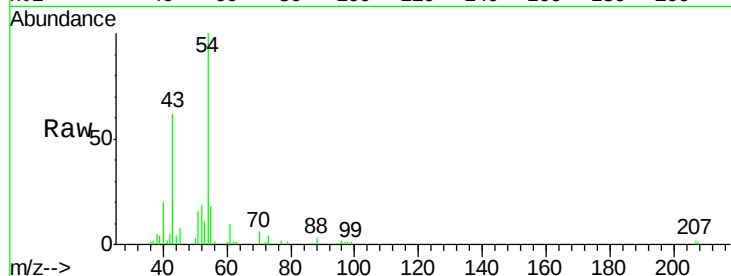
#37
Ethyl Acetate
Concen: 19.980 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	9.7	8.2	12.2

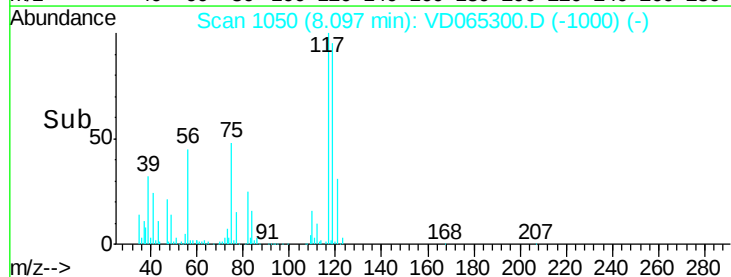
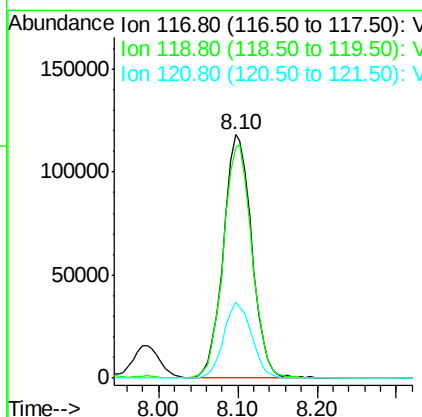
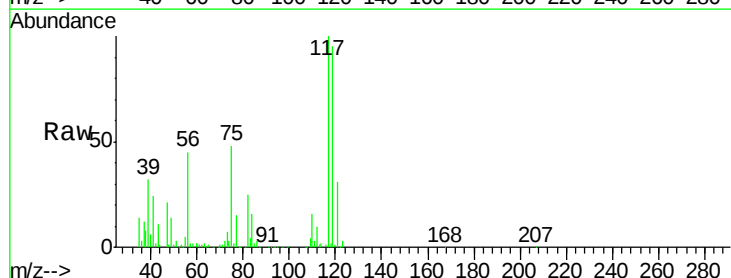
Manual Integrations
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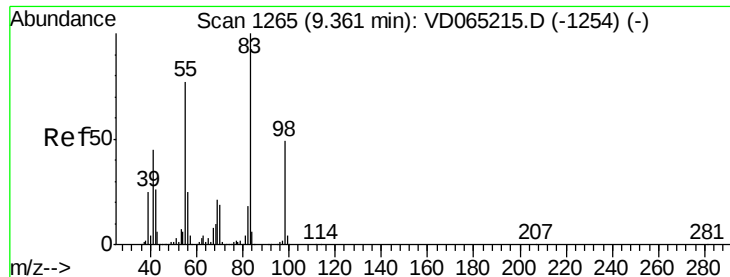
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.336 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.6	116.4
121	31.5	24.8	37.2





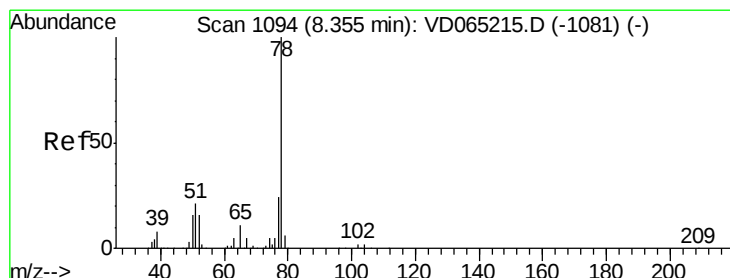
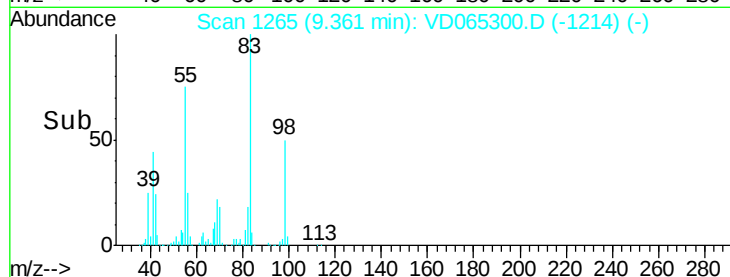
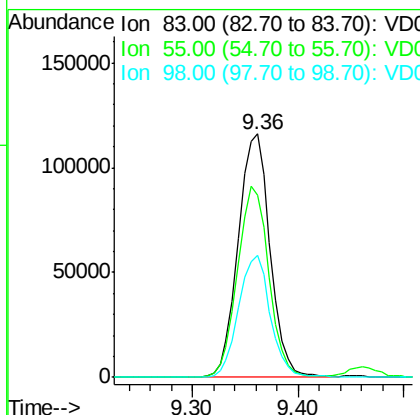
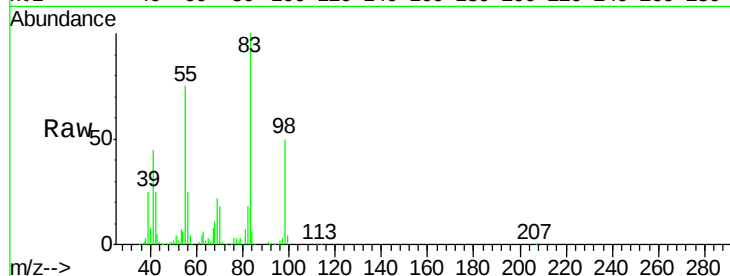
#39
Methvlcvclohexane
Concen: 35.507 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	61.8	92.6
98	50.0	39.4	59.0

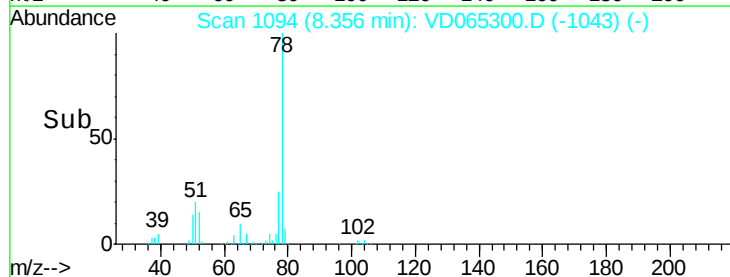
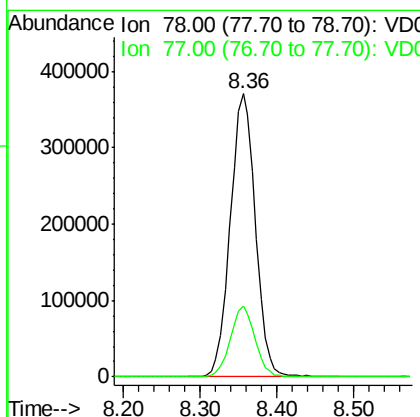
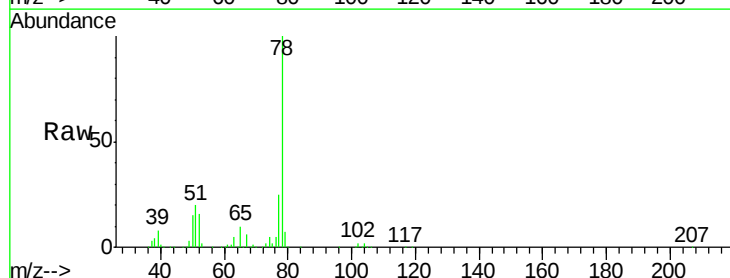
Manual Integrations
APPROVED

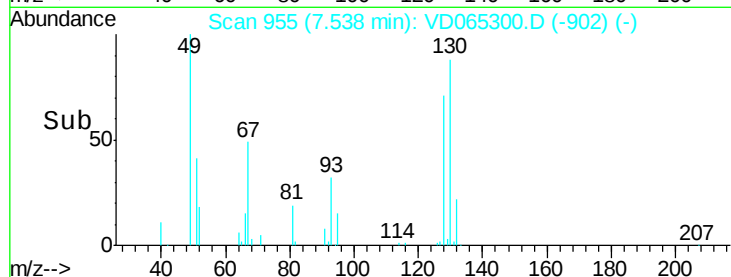
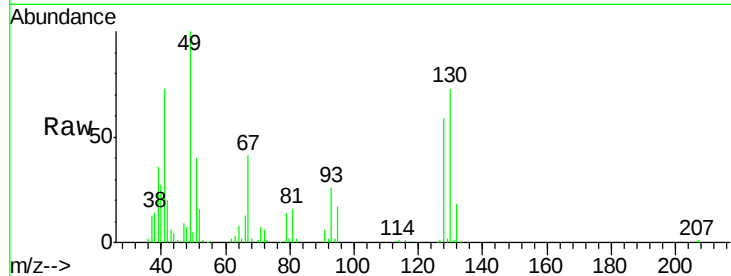
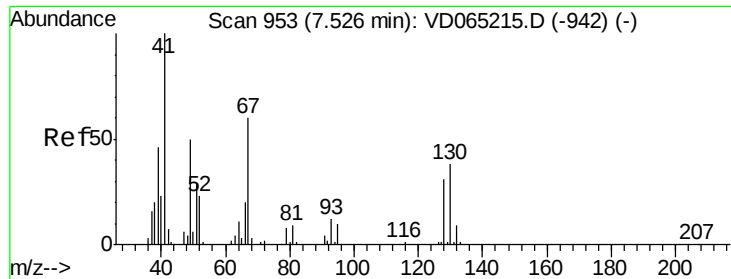
MMDadoda
2/25/2020 5:15:51 PM



#40
Benzene
Concen: 51.380 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.0	28.6





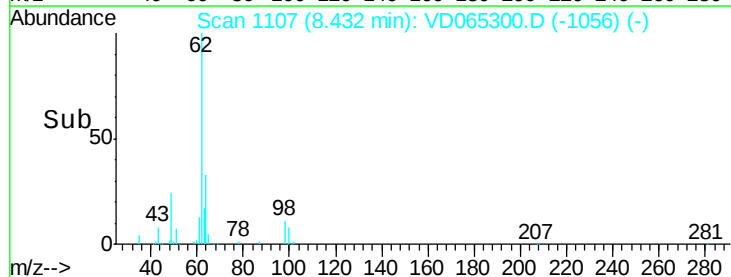
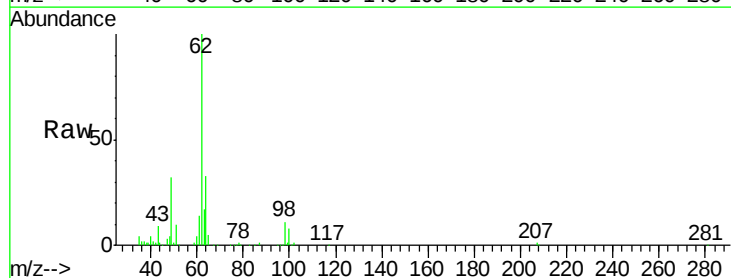
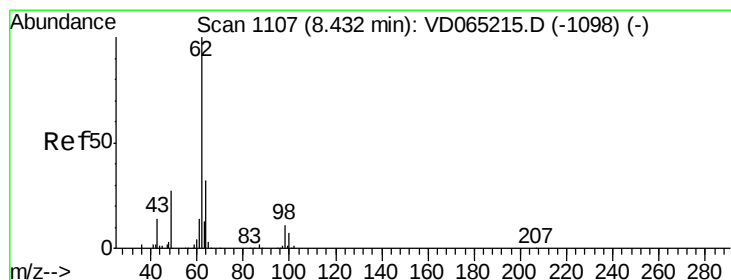
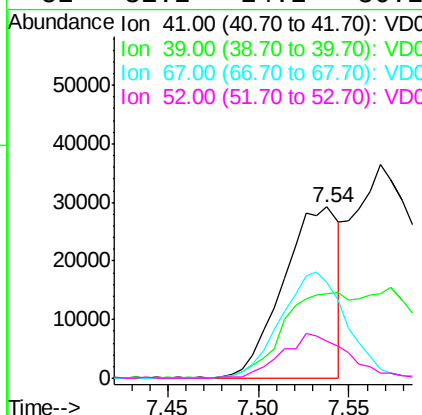
#41
Methacrylonitrile
Concen: 44.736 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.8	48.1	72.1
67	73.9	58.9	88.3
52	31.2	24.2	36.2

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

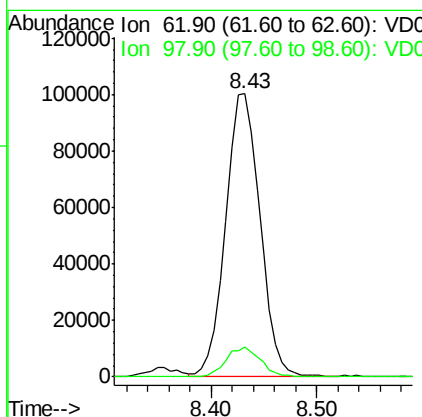
Manual Integrations
APPROVED

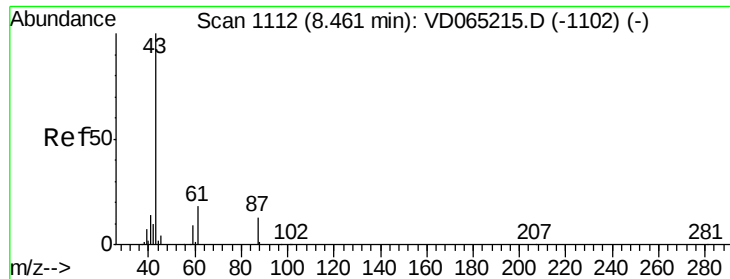
MMDadoda
2/25/2020 5:15:51 PM



#42
1,2-Dichloroethane
Concen: 49.727 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





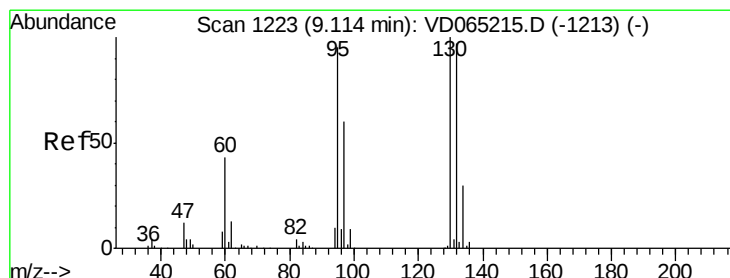
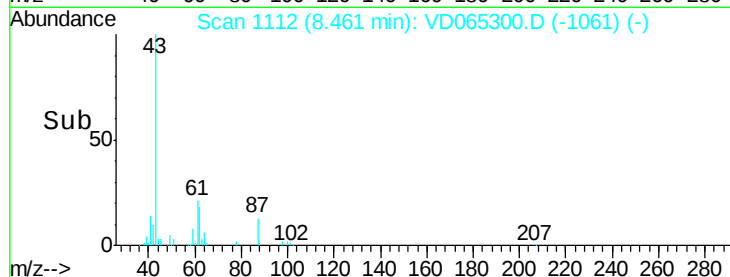
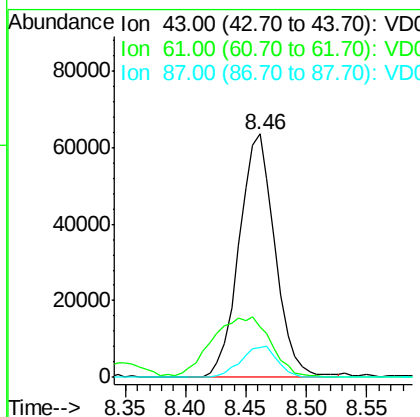
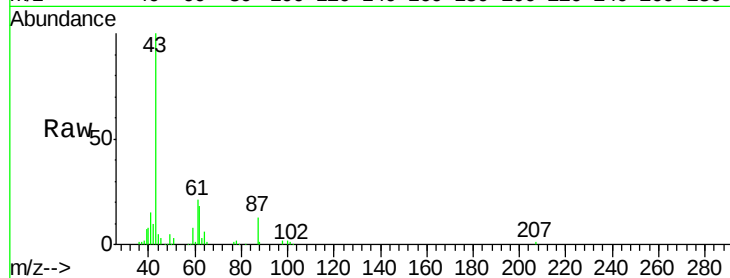
#43
Isopropyl Acetate
Concen: 29.732 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	40.4	24.6	36.8#
87	13.0	10.6	16.0

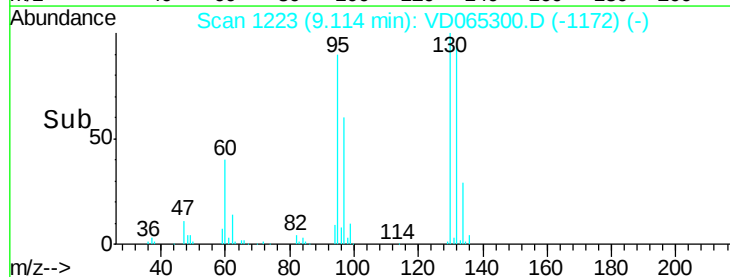
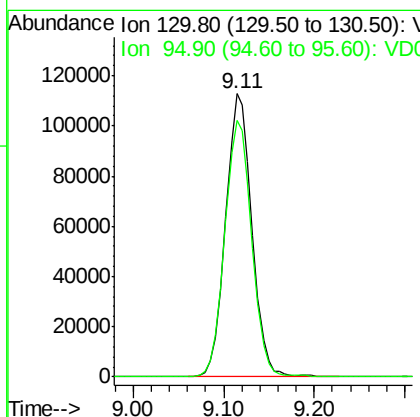
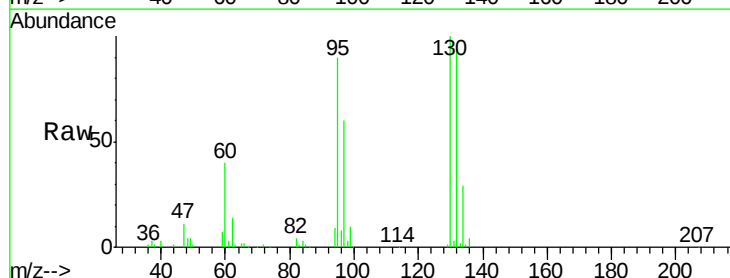
Manual Integrations
APPROVED

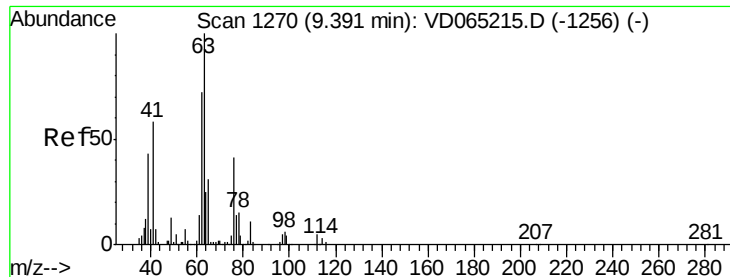
MMDadoda
2/25/2020 5:15:51 PM



#44
Trichloroethene
Concen: 49.686 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	190.6





#45

1,2-Dichloropropane

Concen: 52.054 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 63 Resp: 212965

Ion Ratio Lower Upper

63 100

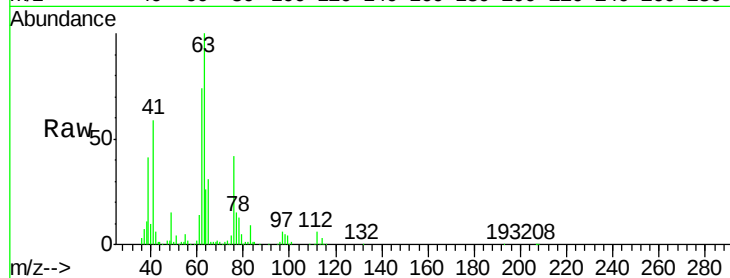
65 31.2 24.9 37.3

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

120000

100000

80000

60000

40000

20000

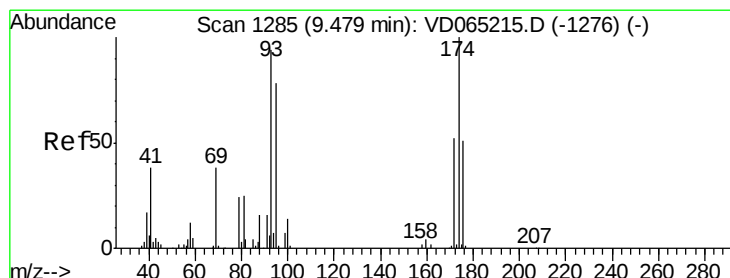
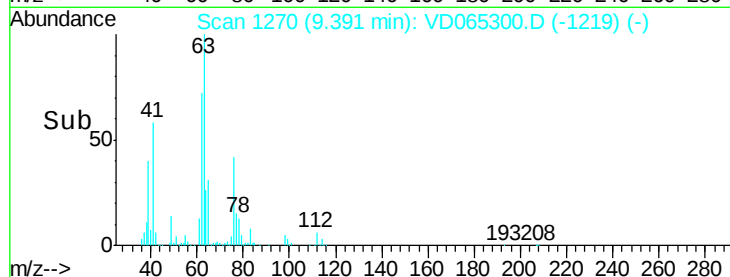
0

9.30

9.40

9.50

Time-->



#46

Dibromomethane

Concen: 50.612 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

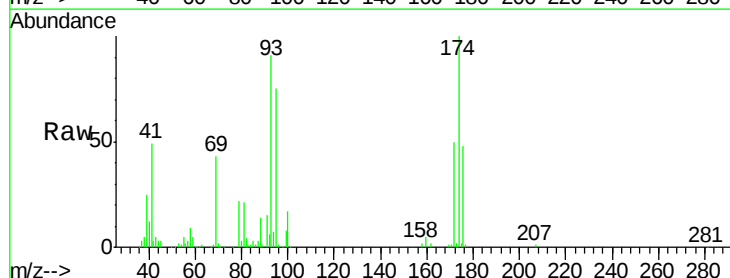
Tgt Ion: 93 Resp: 106538

Ion Ratio Lower Upper

93 100

95 83.2 65.8 98.6

174 111.1 86.8 130.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

40000

20000

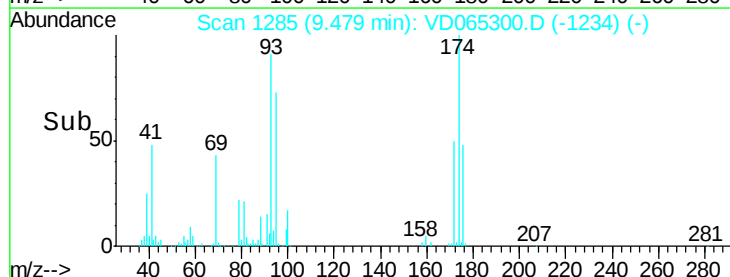
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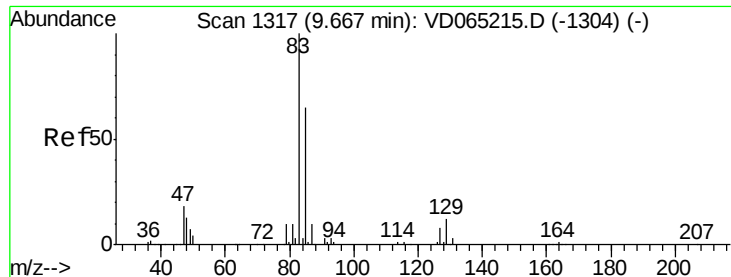
9.40

9.50

9.60

Time-->





#47

Bromodichloromethane

Concen: 50.708 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

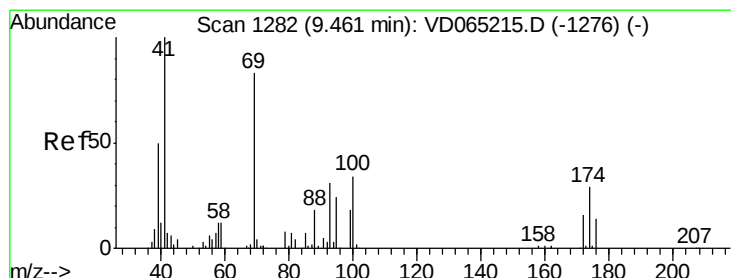
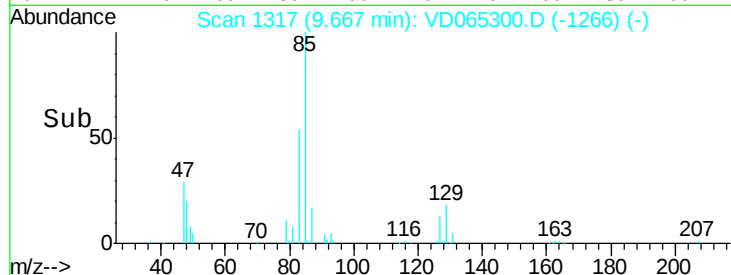
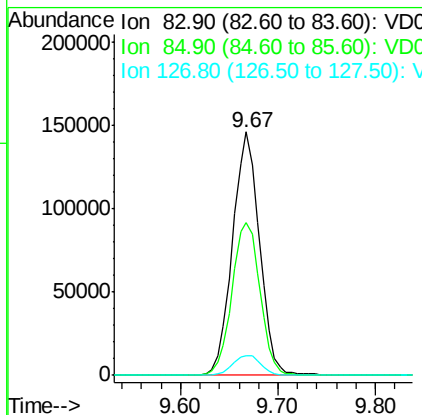
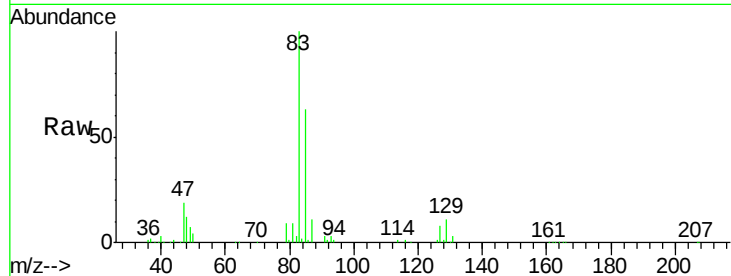
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	83	Resp:	281300
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.0	78.0
127	8.2	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 72.774 ug/l

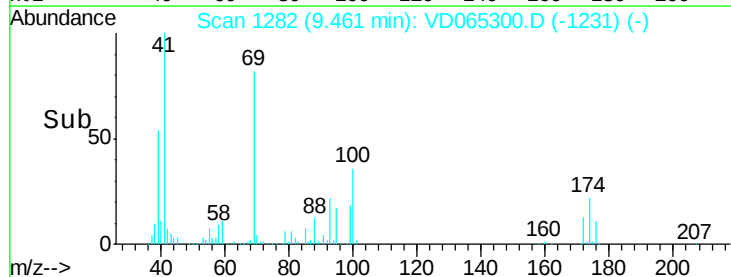
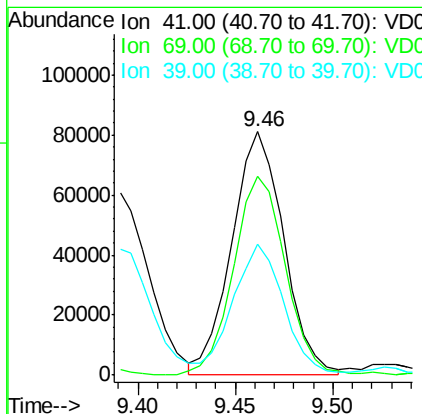
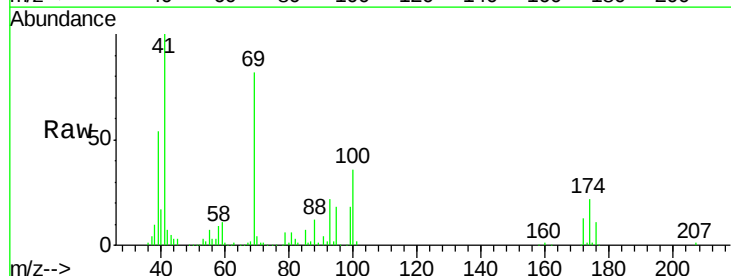
RT: 9.46 min Scan# 1282

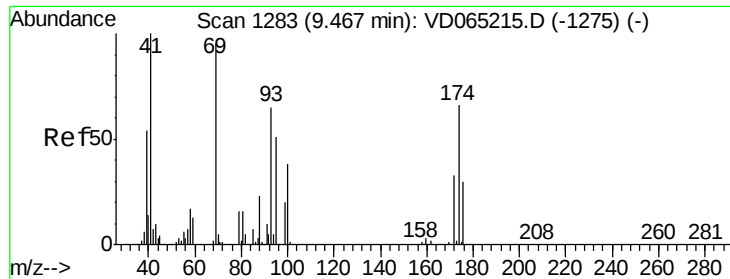
Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion:	41	Resp:	149061
Ion	Ratio	Lower	Upper
41	100		
69	82.0	68.2	102.2
39	52.6	42.0	63.0





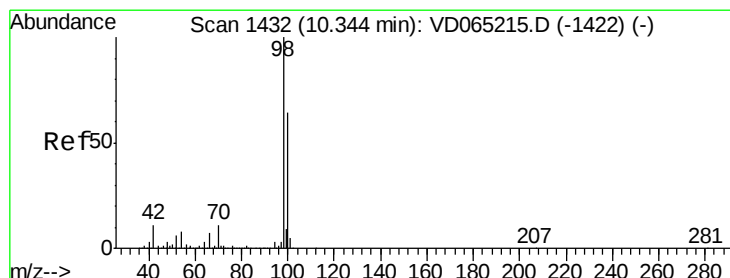
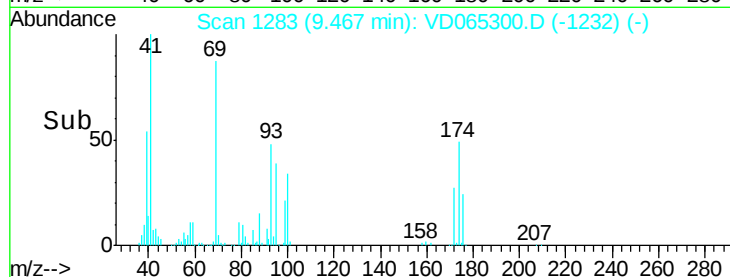
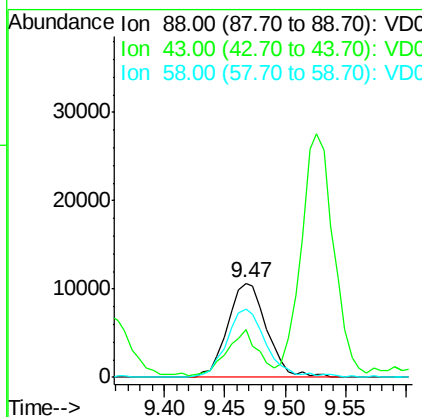
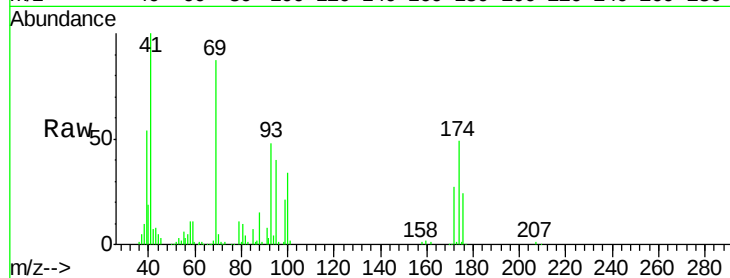
#49
1,4-Dioxane
Concen: 972.674 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	88	Resp	24014
Ion	Ratio	Lower	Upper
88	100		
43	38.5	28.5	42.7
58	71.2	58.6	87.8

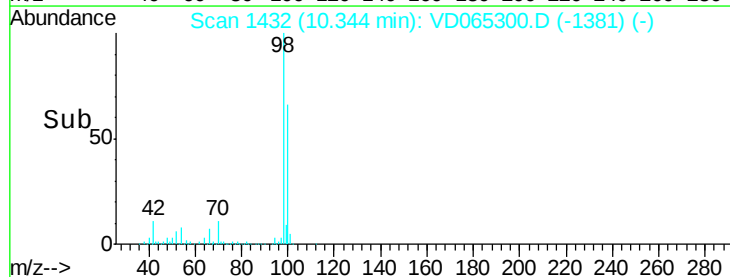
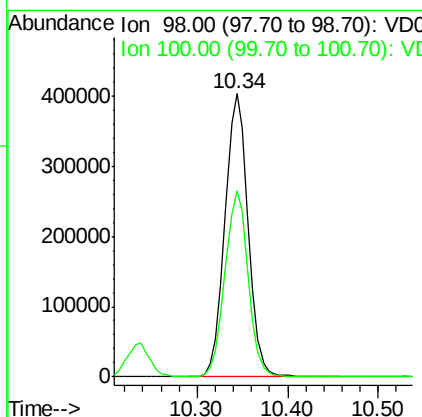
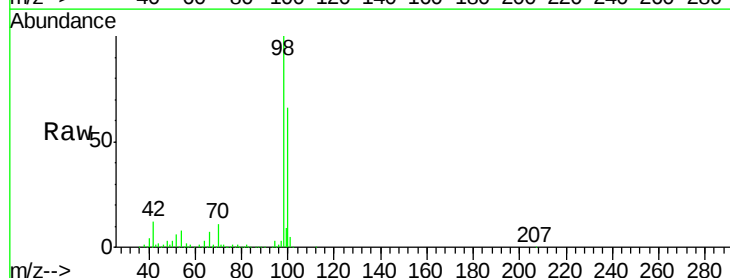
Manual Integrations
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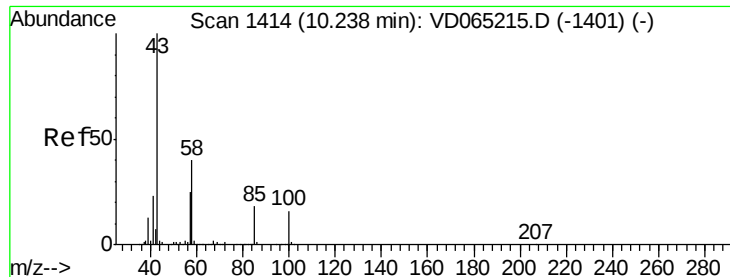
MMDadoda
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#50
Toluene-d8
Concen: 51.178 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	98	Resp	714681
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 241.834 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 43 Resp: 544300

Ion Ratio Lower Upper

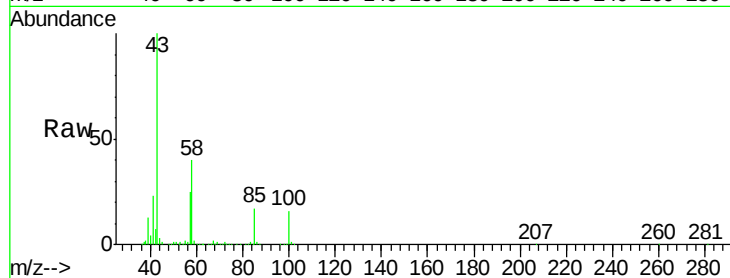
43 100

58 38.3 31.1 46.7

Manual Integrations
APPROVED

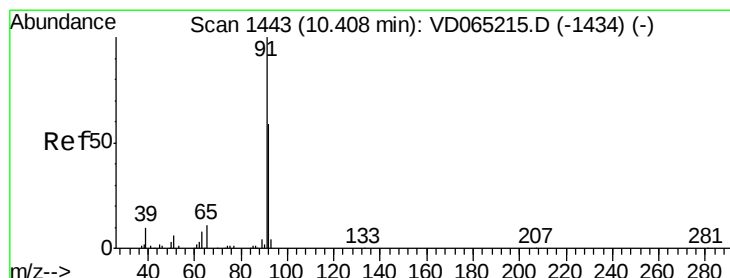
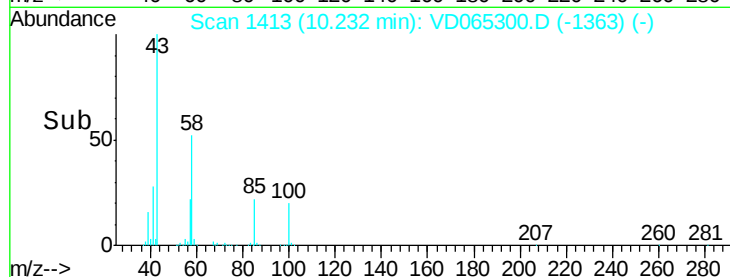
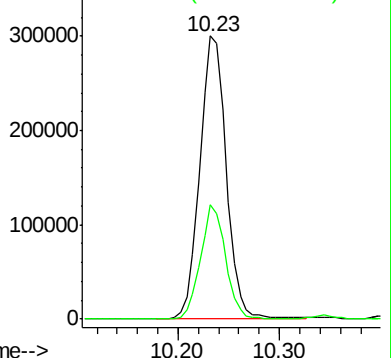
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.247 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065300.D

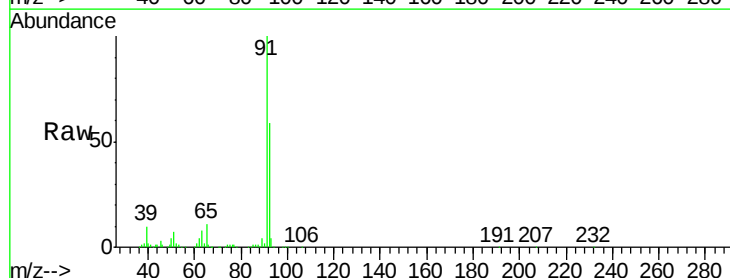
Acq: 24 Feb 2020 17:49

Tgt Ion: 92 Resp: 521908

Ion Ratio Lower Upper

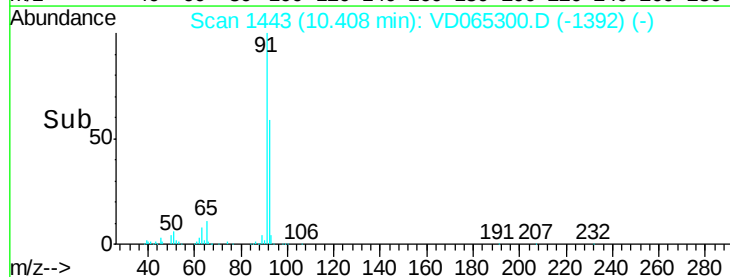
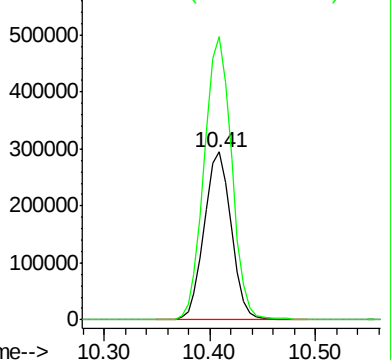
92 100

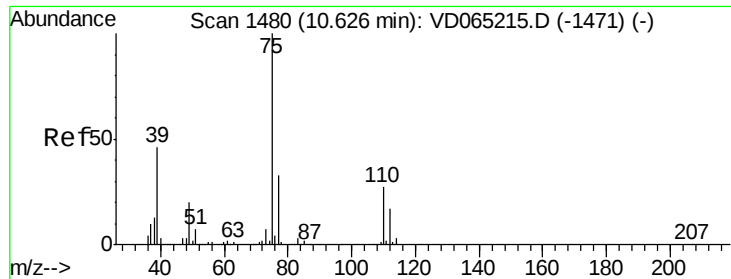
91 171.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





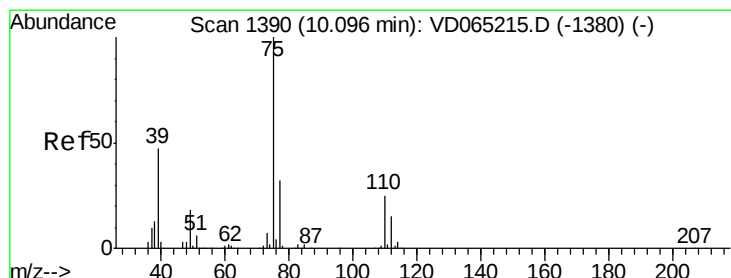
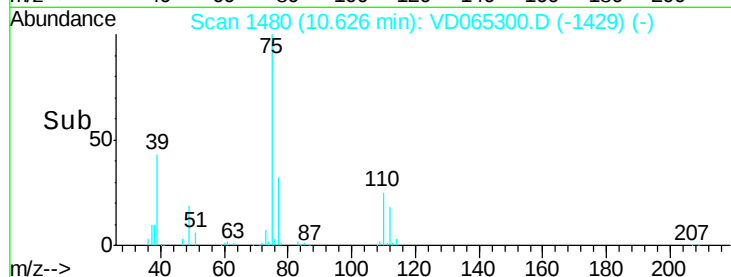
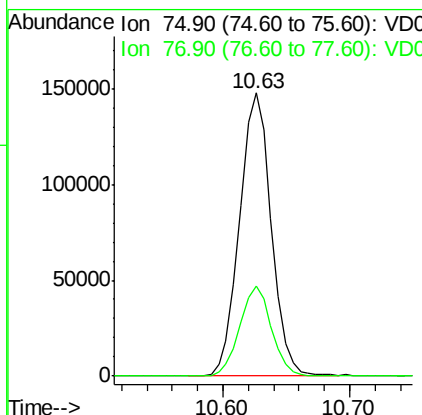
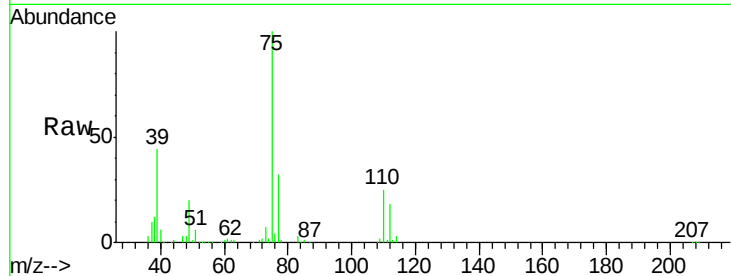
#53
t-1,3-Dichloropropene
Concen: 49.880 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.6	40.0

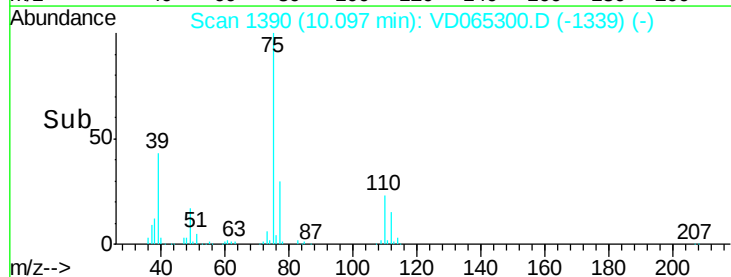
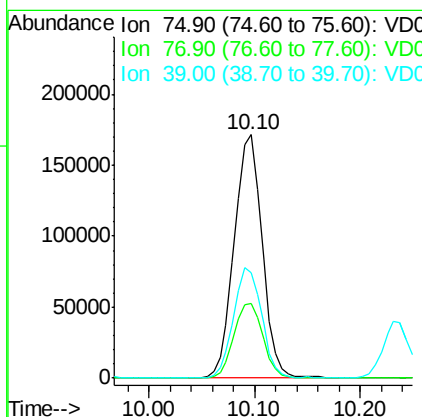
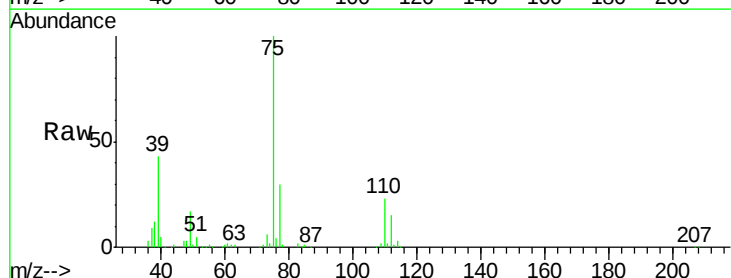
Manual Integrations
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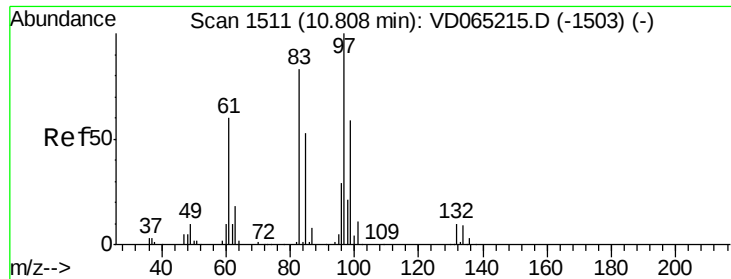
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.719 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.8	38.8
39	43.2	37.3	55.9





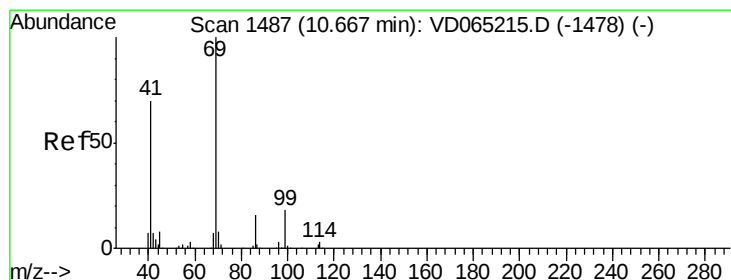
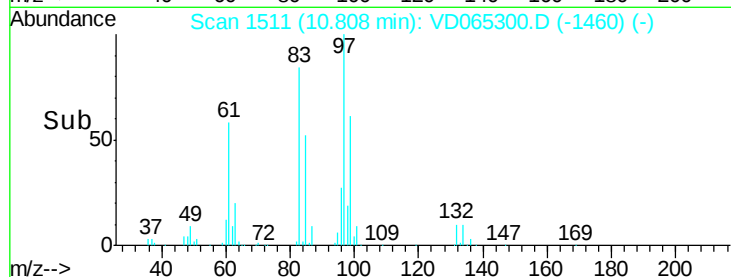
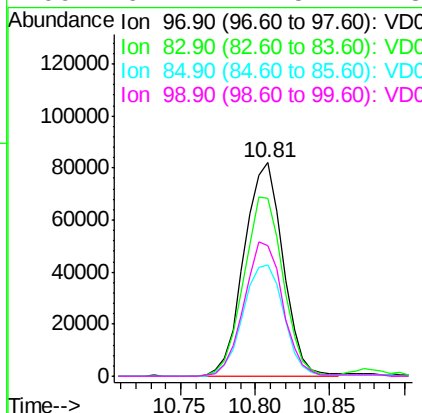
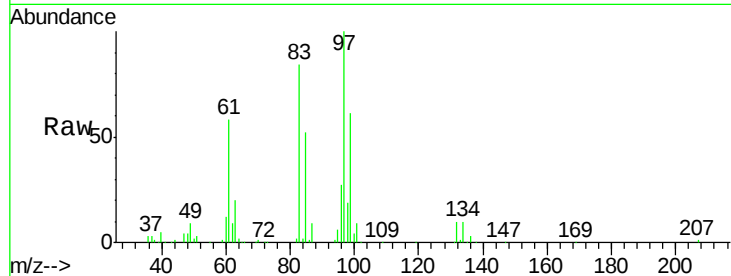
#55
 1,1,2-Trichloroethane
 Concen: 50.041 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion:	97	Resp:	148263
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.7	100.1
85	52.4	42.4	63.6
99	61.2	47.5	71.3

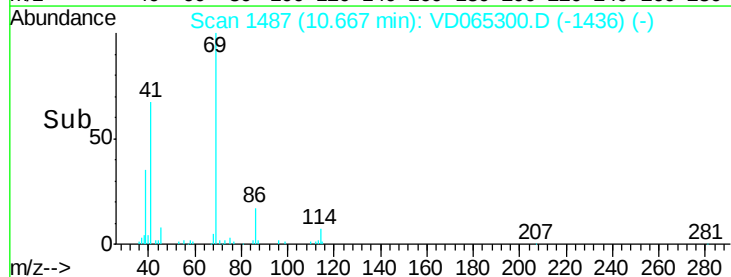
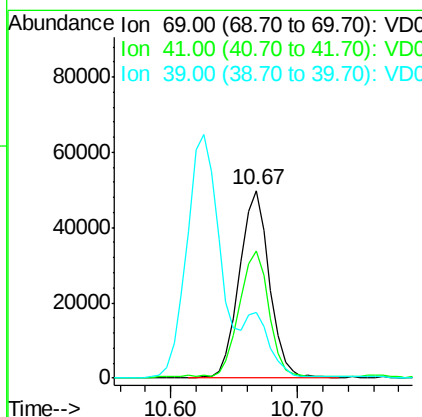
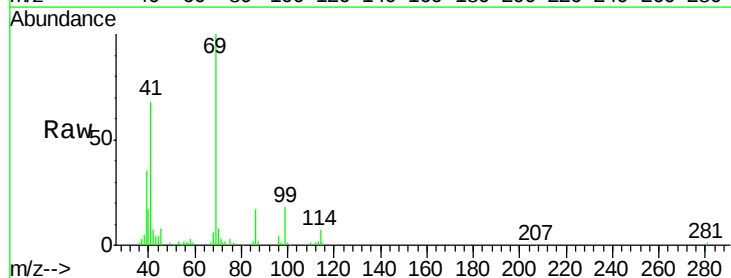
Manual Integrations
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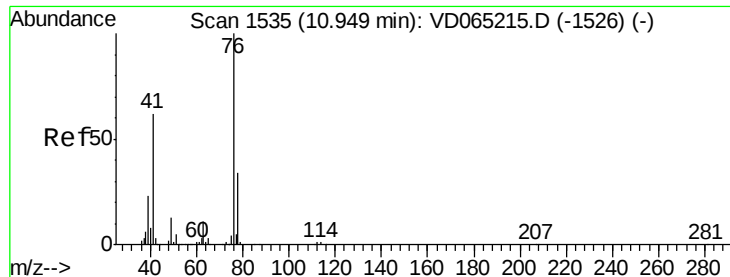
MMDadoda
 2/25/2020 5:15:51 PM



#56
 Ethyl methacrylate
 Concen: 23.959 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion:	69	Resp:	81934
Ion	Ratio	Lower	Upper
69	100		
41	69.5	54.6	81.8
39	27.0	26.5	39.7





#57

1,3-Dichloropropane

Concen: 50.345 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 76 Resp: 253873

Ion Ratio Lower Upper

76 100

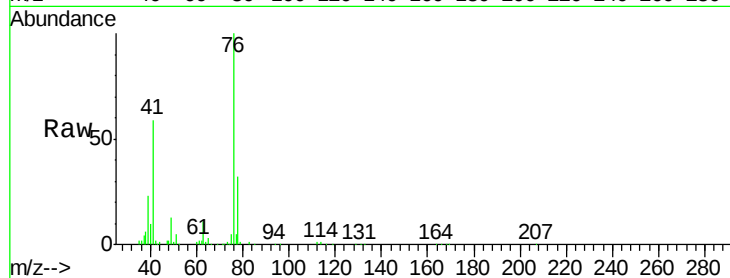
78 32.2 26.3 39.5

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

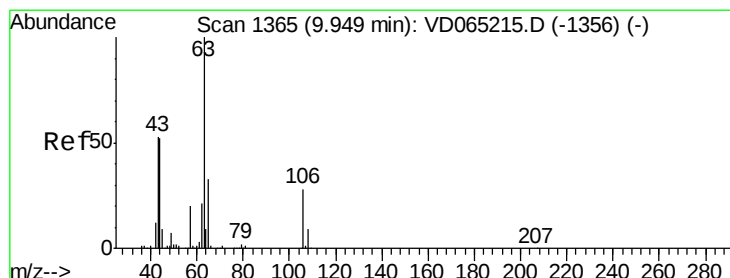
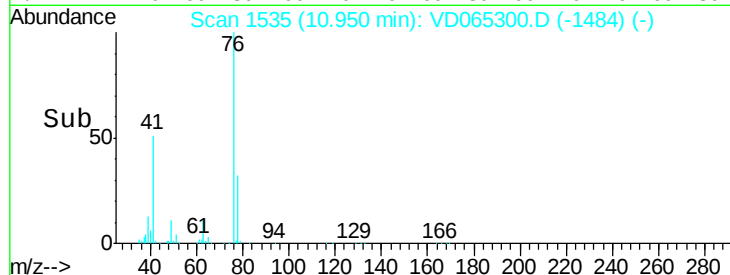
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 225.791 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065300.D

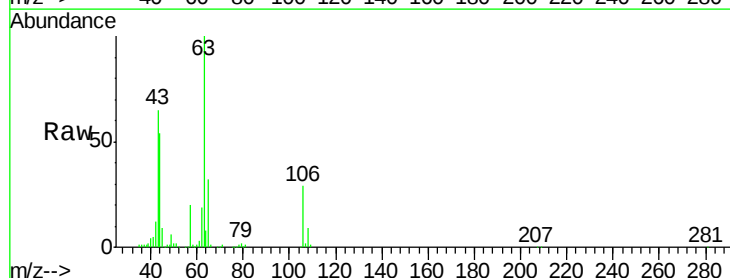
Acq: 24 Feb 2020 17:49

Tgt Ion: 63 Resp: 243436

Ion Ratio Lower Upper

63 100

106 29.9 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

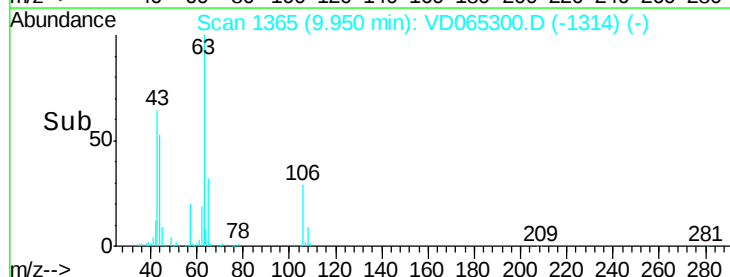
150000

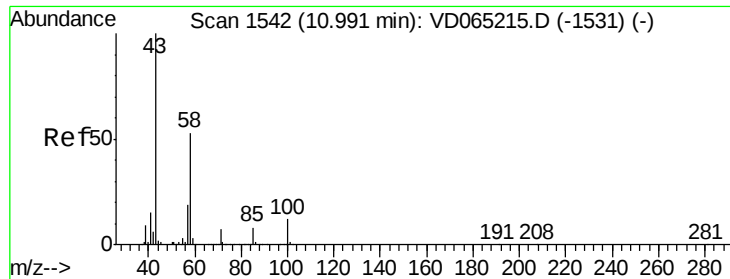
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Time-->





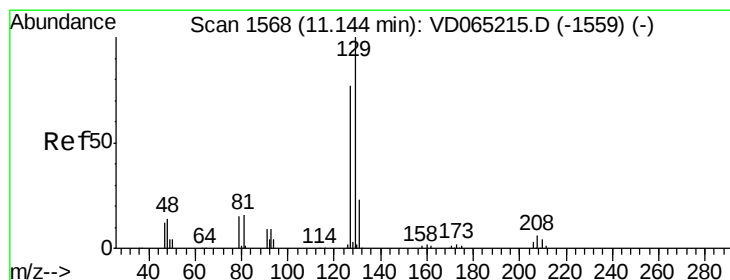
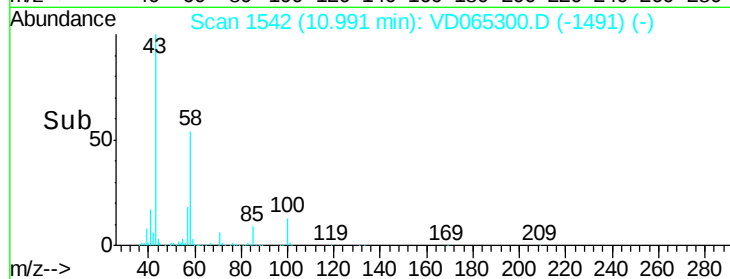
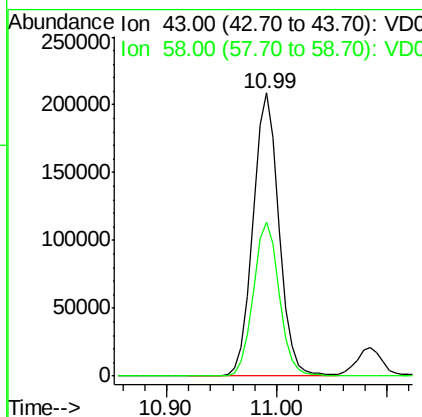
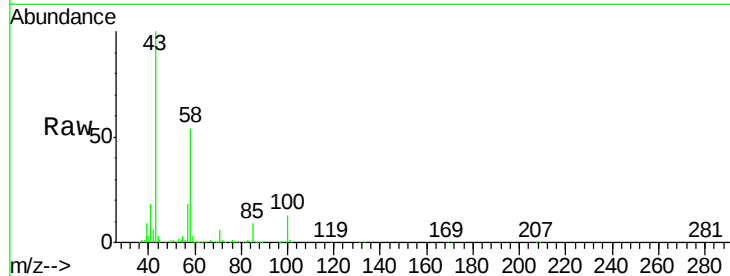
#59
2-Hexanone
Concen: 214.884 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion: 43 Resp: 346211
Ion Ratio Lower Upper
43 100
58 54.3 26.3 78.8

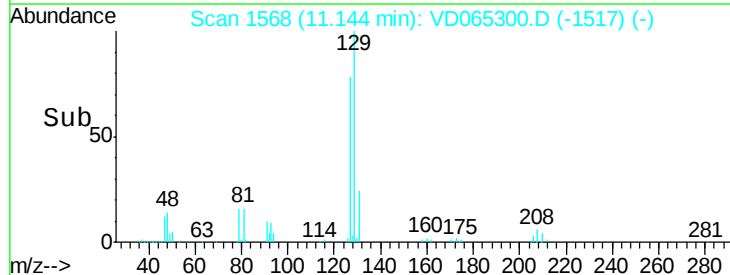
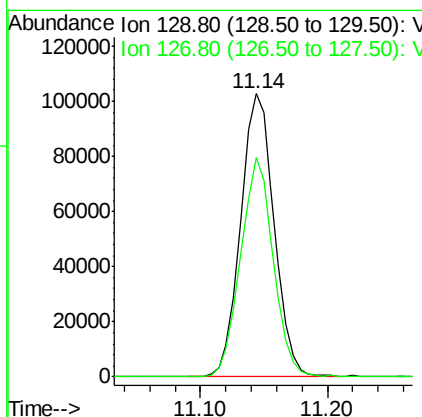
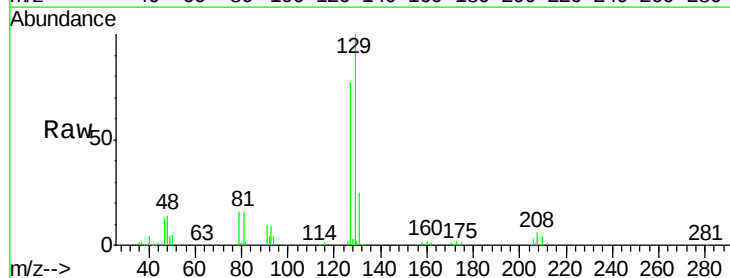
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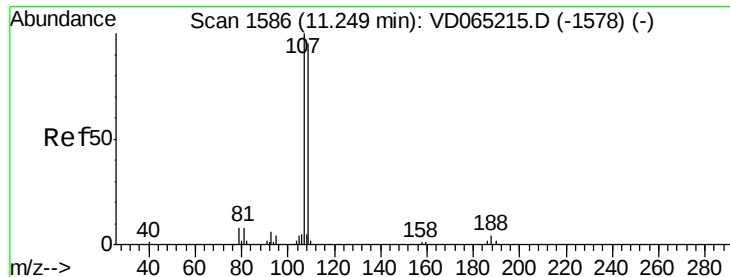
MMDadoda
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#60
Dibromochloromethane
Concen: 49.675 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 129 Resp: 188377
Ion Ratio Lower Upper
129 100
127 75.6 38.7 116.1





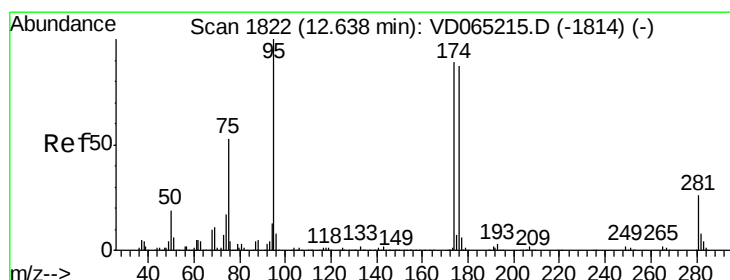
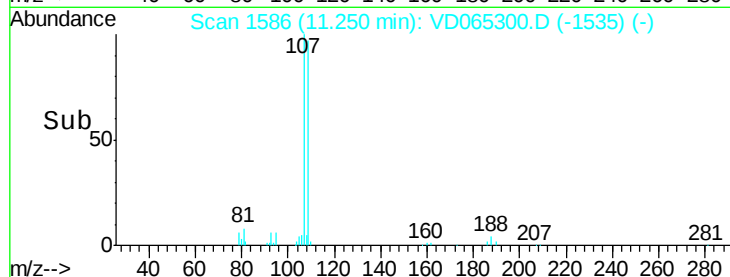
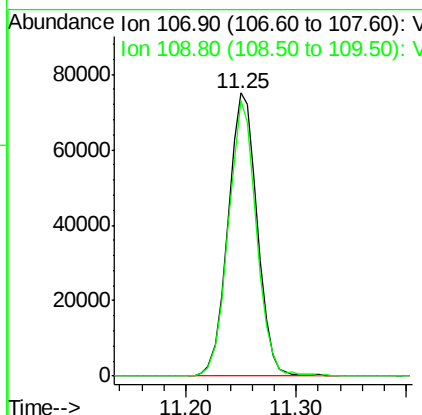
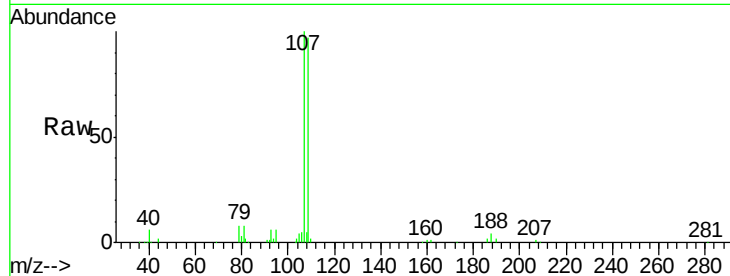
#61
 1,2-Dibromoethane
 Concen: 49.442 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion: 107 Resp: 138696
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.2 114.4

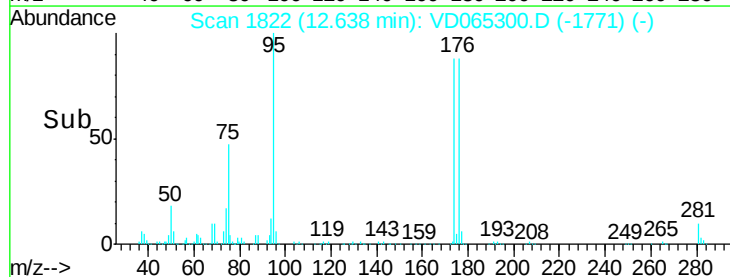
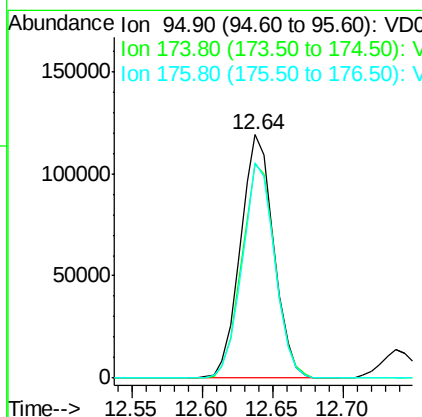
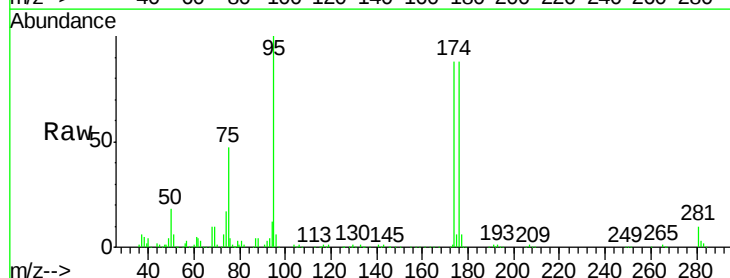
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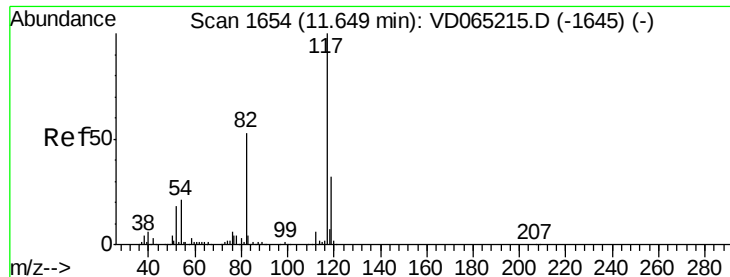
MMDadoda
 2/25/2020 5:15:51 PM



#62
 4-Bromofluorobenzene
 Concen: 44.414 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion: 95 Resp: 196479
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 178.0
 176 86.4 0.0 174.4





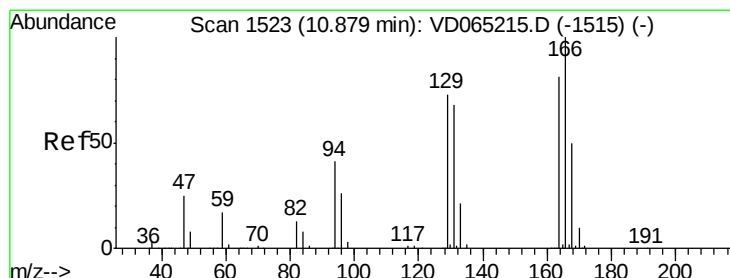
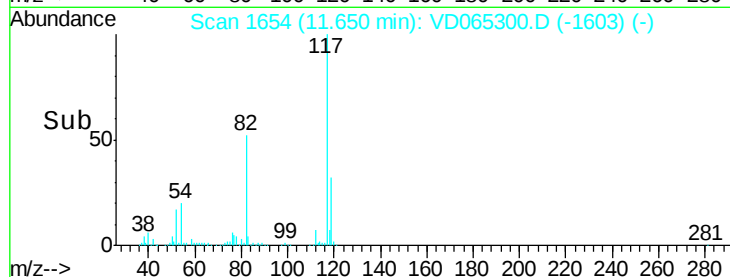
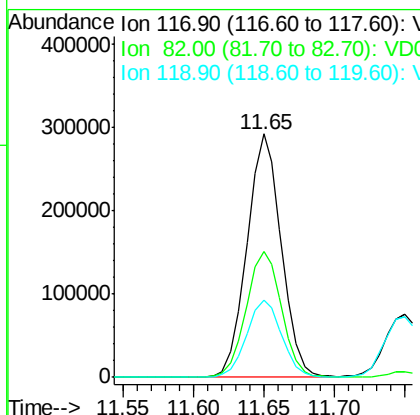
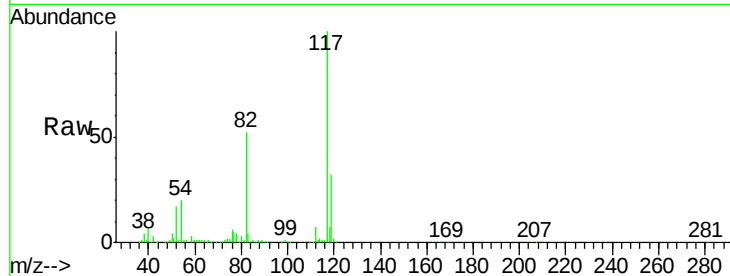
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.7	64.1
119	31.9	25.5	38.3

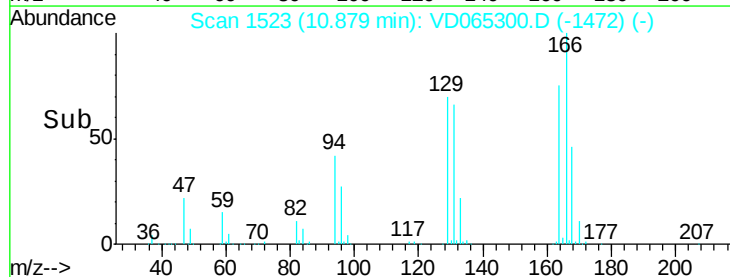
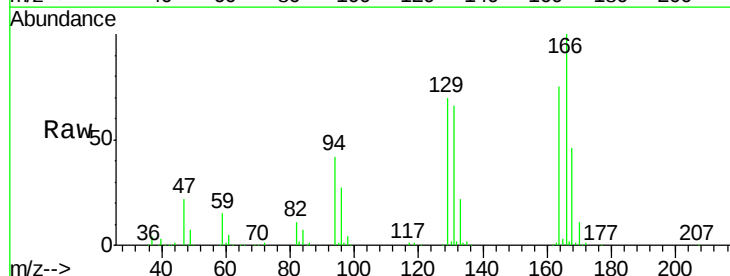
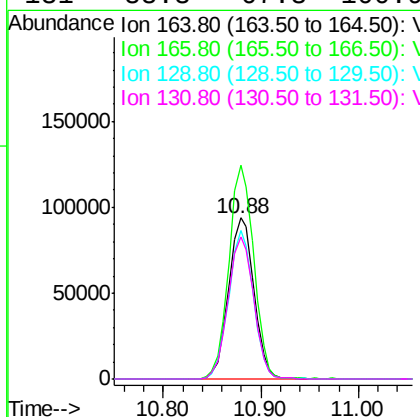
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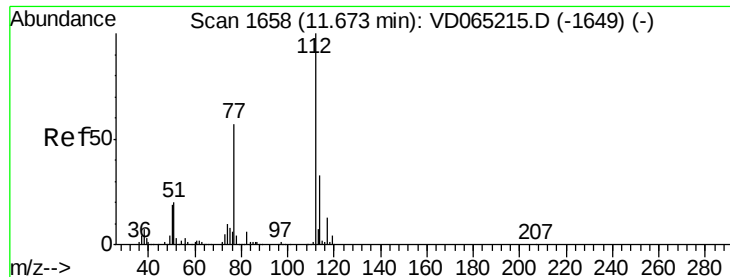
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#64
Tetrachloroethene
Concen: 48.270 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	98.4	147.6
129	92.4	71.6	107.4
131	88.3	67.3	100.9





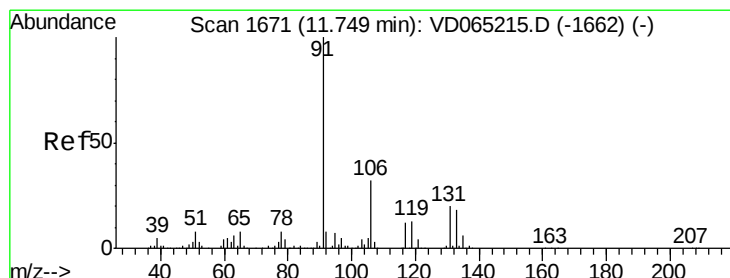
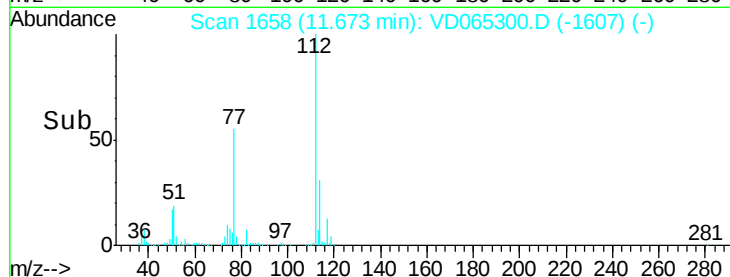
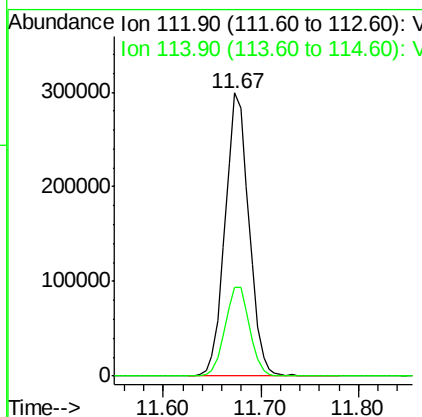
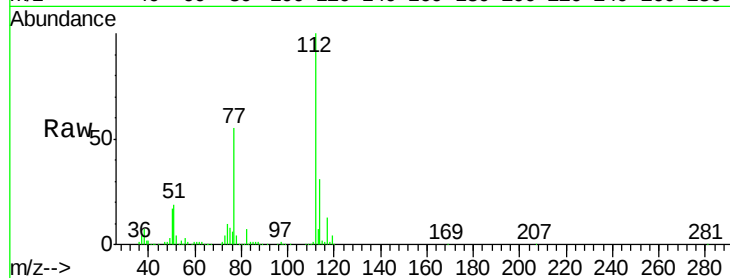
#65
Chlorobenzene
Concen: 50.849 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.4	39.6

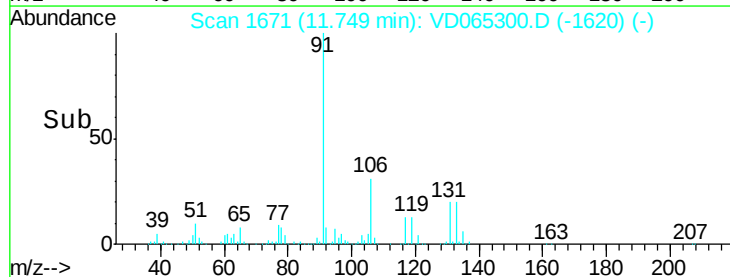
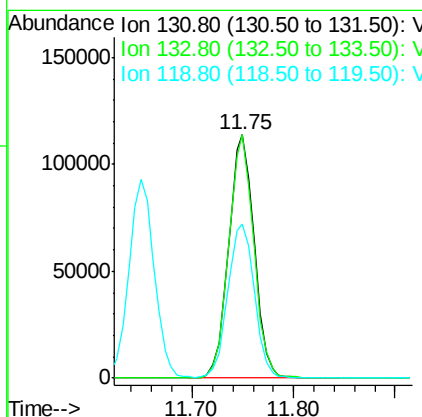
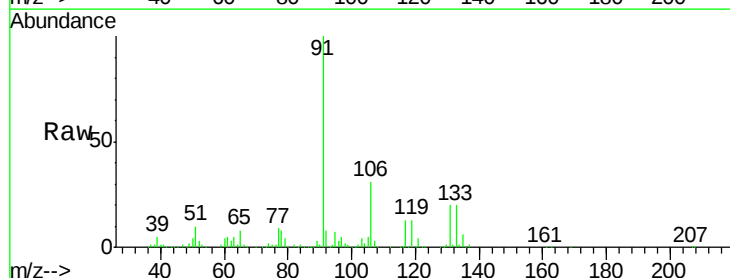
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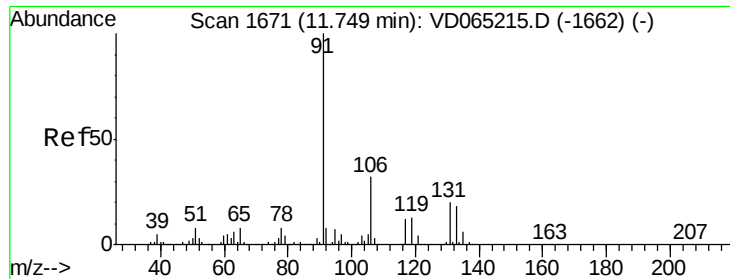
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.346 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.8	47.7	143.1
119	65.6	32.7	98.1





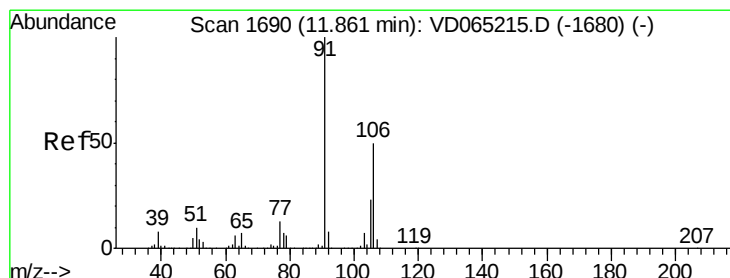
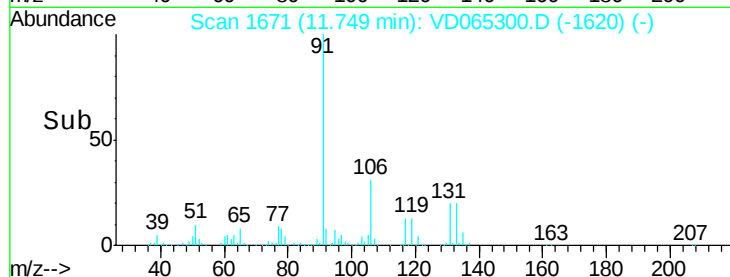
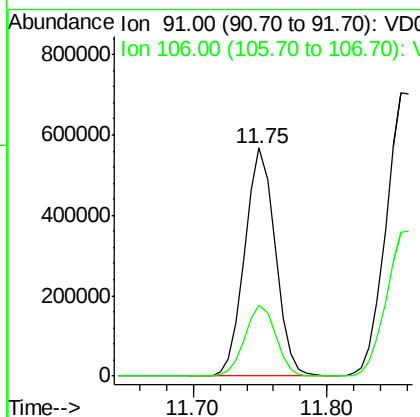
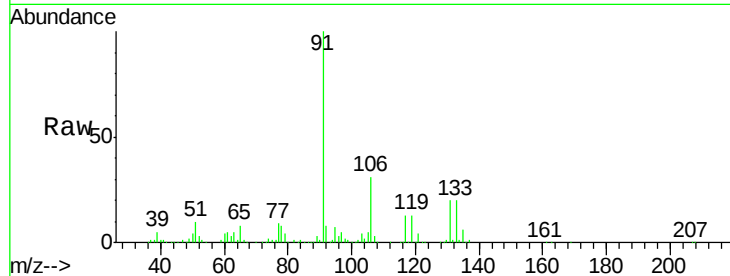
#67
Ethyl Benzene
Concen: 51.470 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion: 91 Resp: 899352
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8

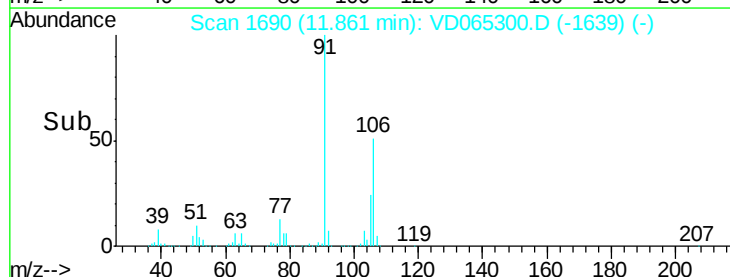
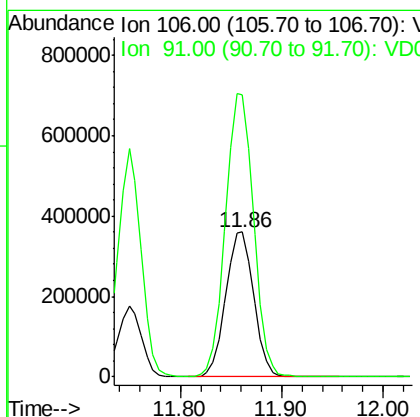
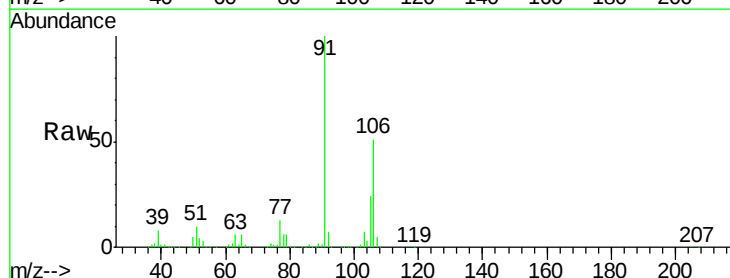
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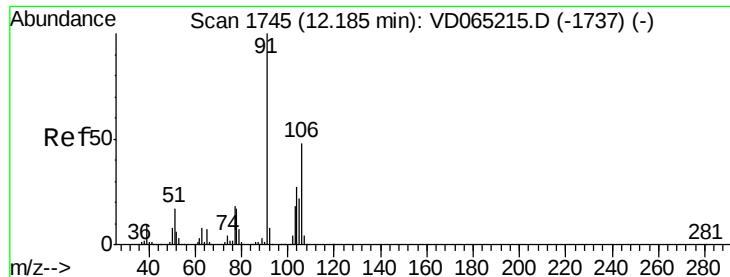
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#68
m/p-Xylenes
Concen: 102.995 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 106 Resp: 688530
Ion Ratio Lower Upper
106 100
91 197.1 158.2 237.4





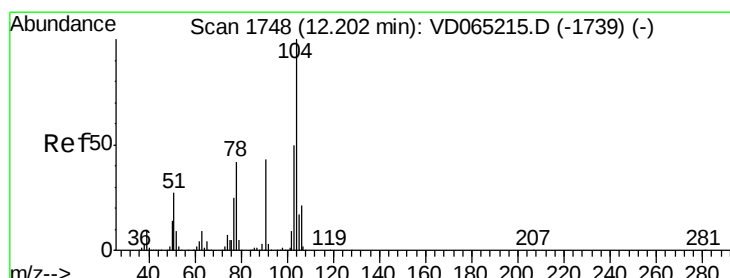
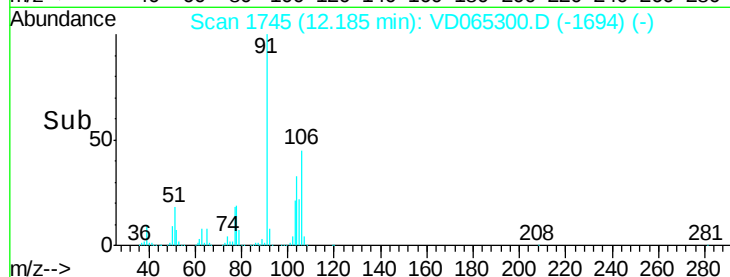
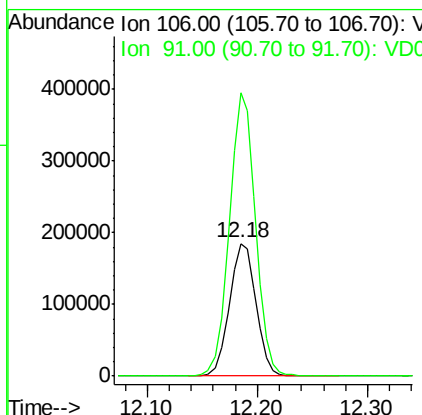
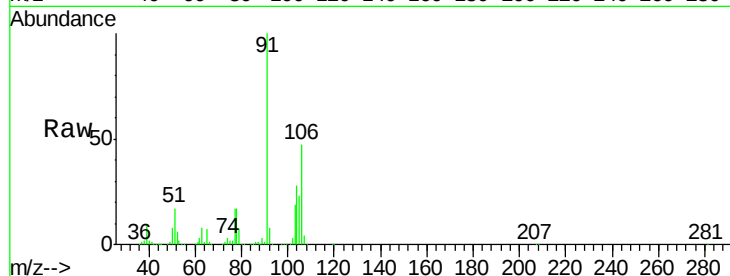
#69
o-Xylene
Concen: 52.774 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.4	104.7	313.9

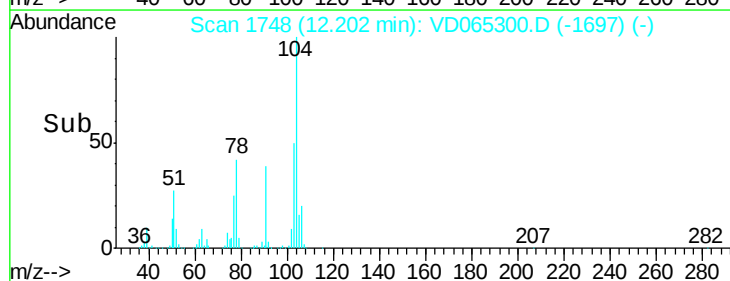
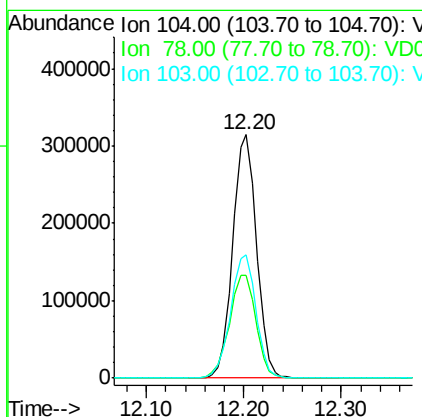
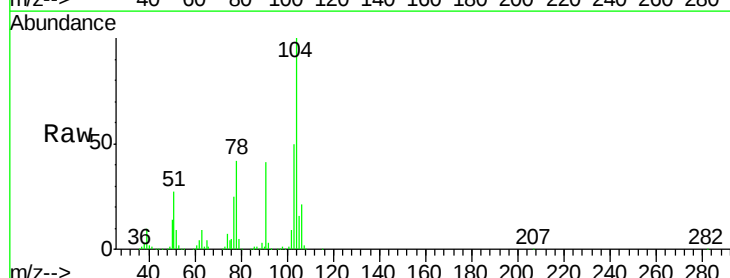
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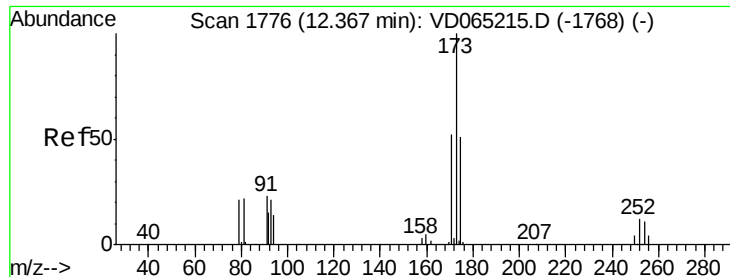
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#70
Styrene
Concen: 50.618 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.8	56.6
103	54.3	43.4	65.2





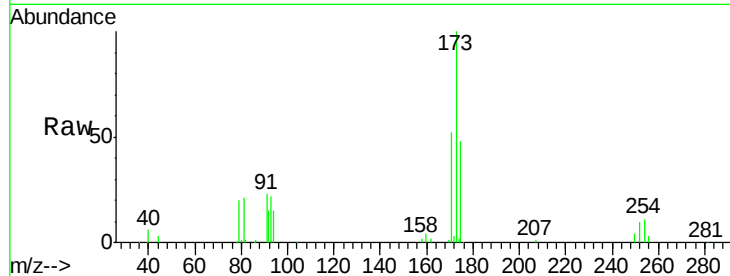
#71
Bromoform
Concen: 49.763 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

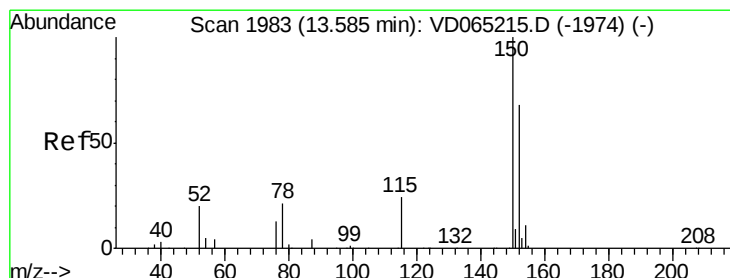
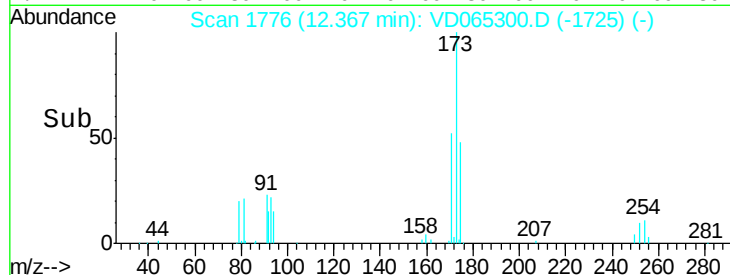
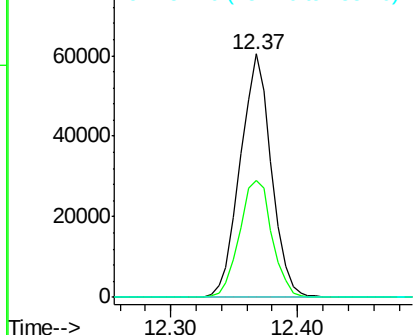
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.4	73.4
254	0.0	0.0	0.0

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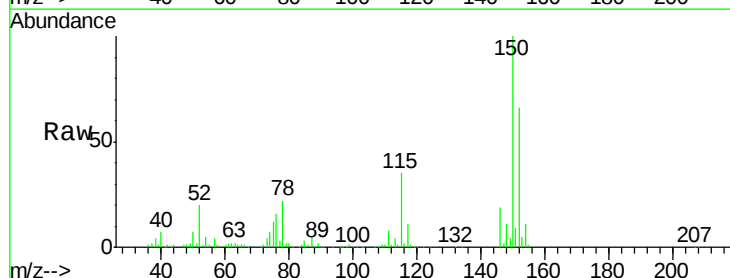


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

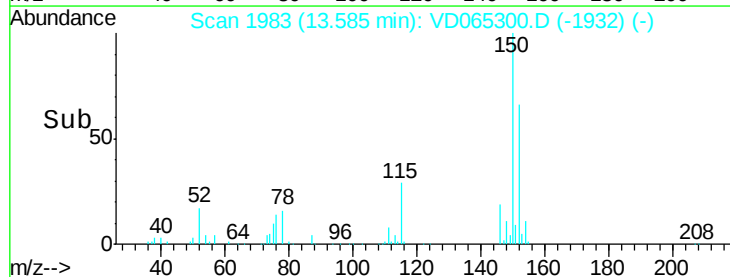
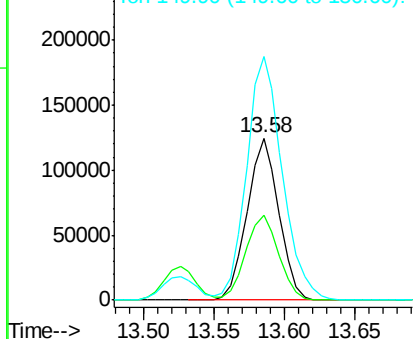


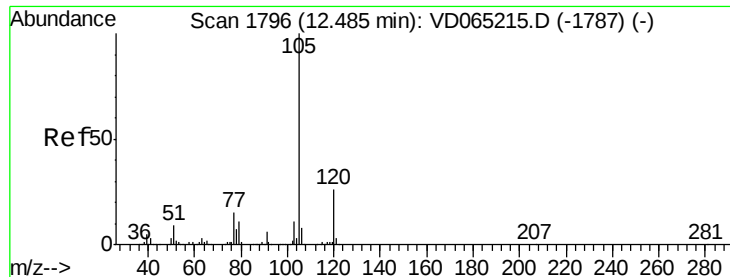
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.6	82.8
150	169.2	0.0	347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





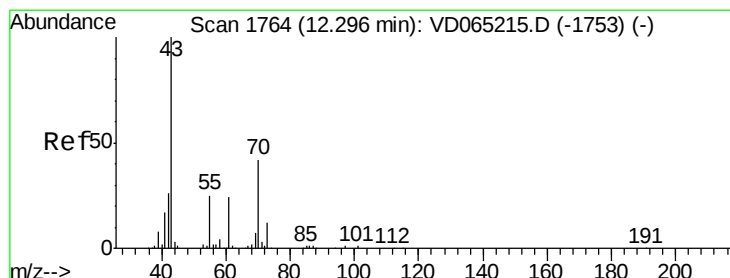
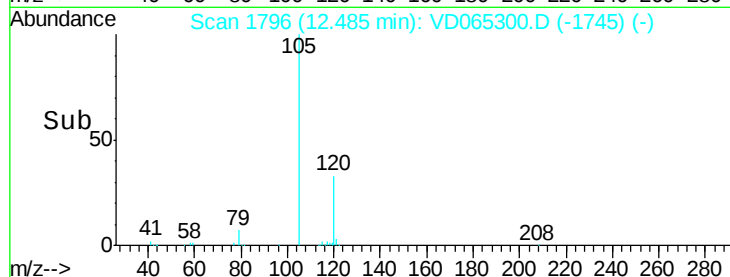
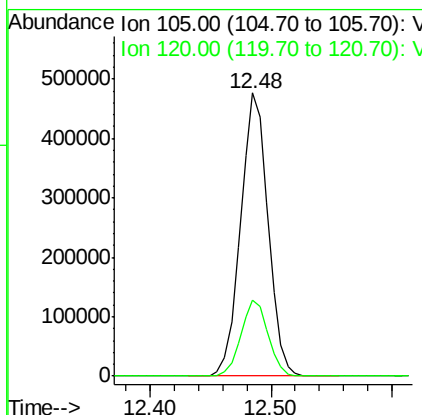
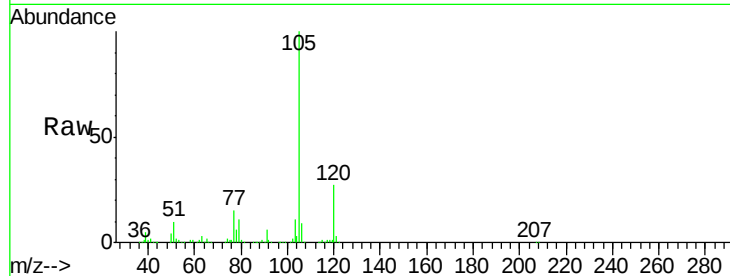
#73
Isopropylbenzene
Concen: 58.167 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	755198		
120	26.6	13.3	39.9	

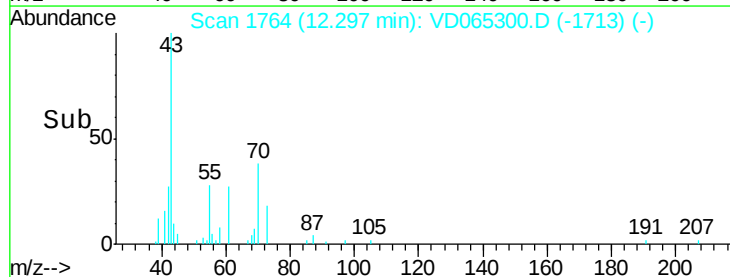
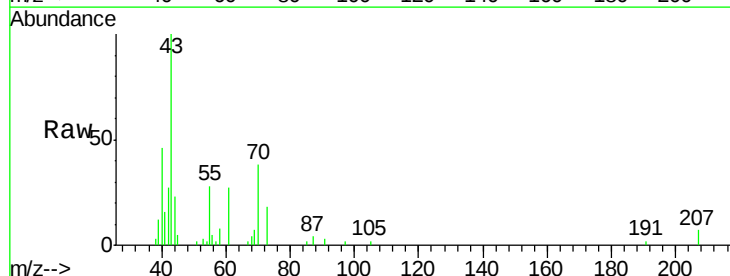
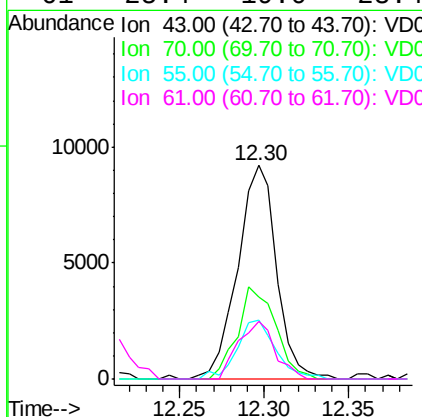
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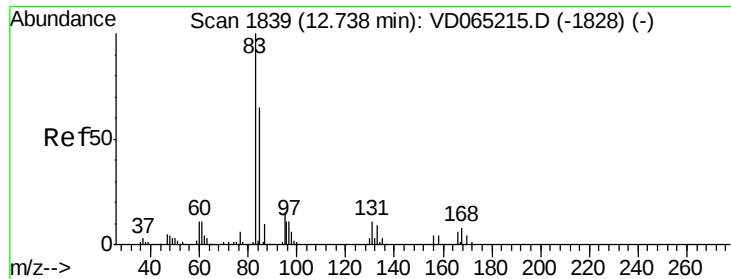
MMDadoda
2/25/2020 5:15:51 PM



#74
N-ethyl acetate
Concen: 5.140 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	14829		
70	42.1	33.7	50.5	
55	27.6	20.7	31.1	
61	25.4	19.0	28.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 61.187 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

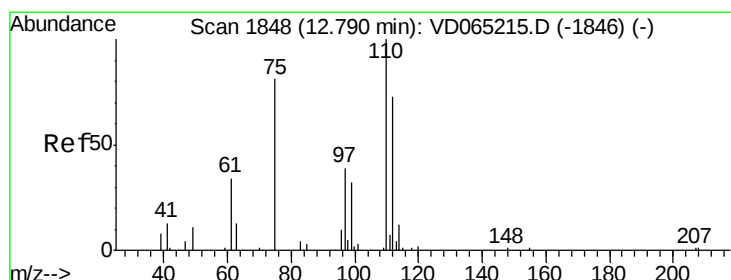
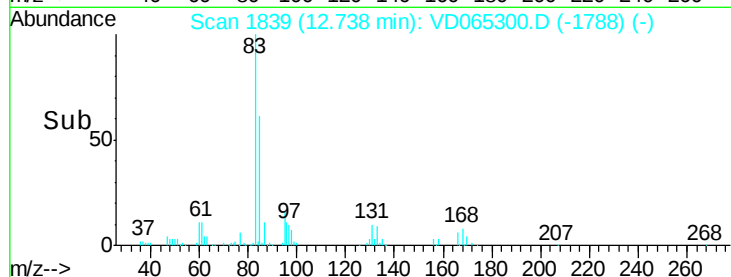
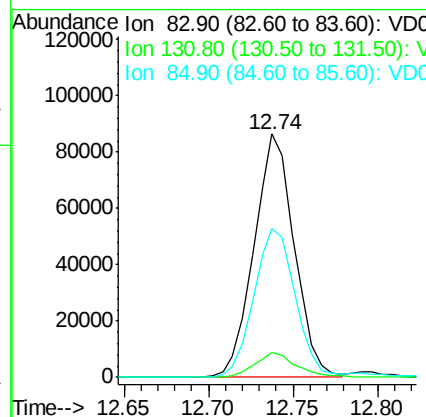
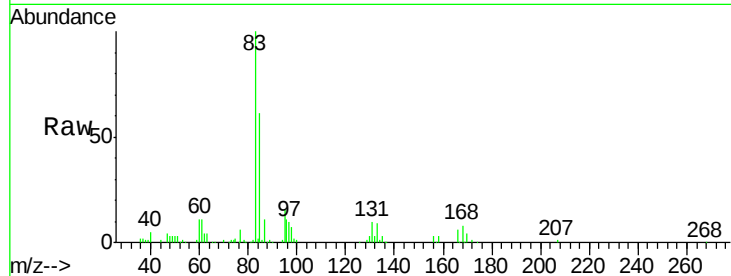
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	83	Resp:	143374
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	62.7	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 57.075 ug/l m

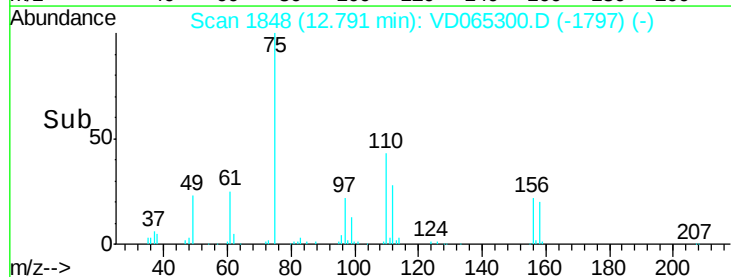
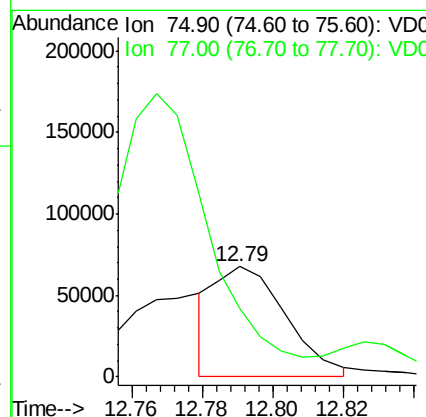
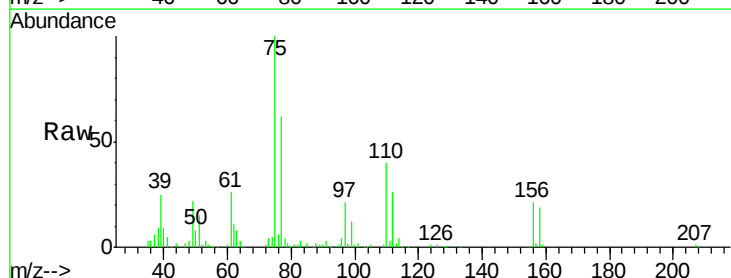
RT: 12.79 min Scan# 1848

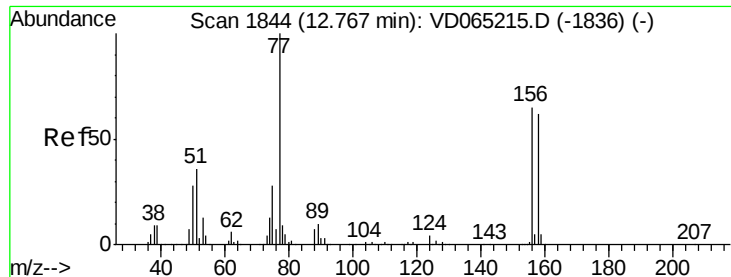
Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion:	75	Resp:	95232
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 60.597 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

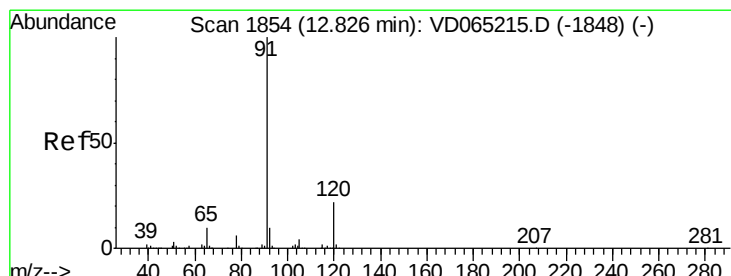
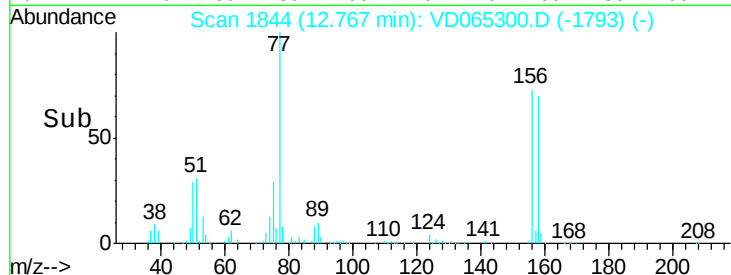
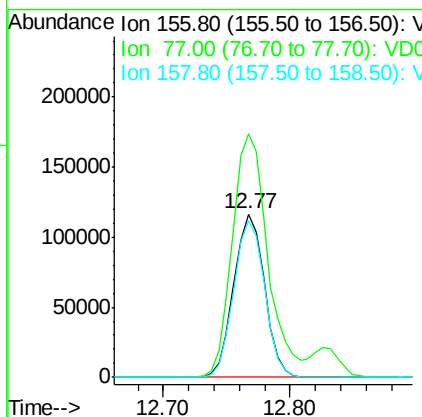
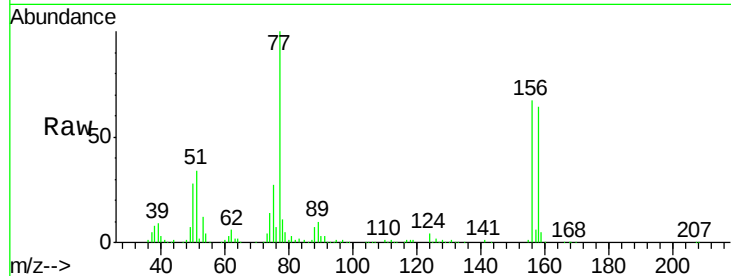
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	156	Resp:	195364
Ion Ratio	Lower	Upper	
156	100		
77	171.6	86.6	259.7
158	96.6	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 53.451 ug/l

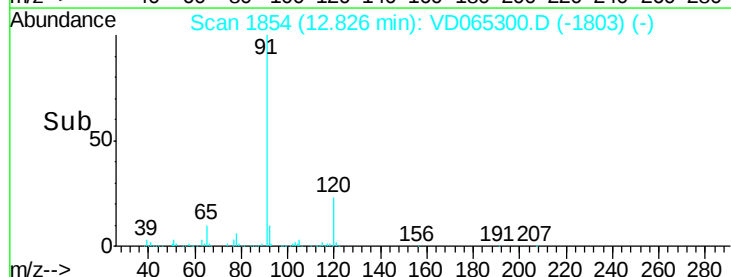
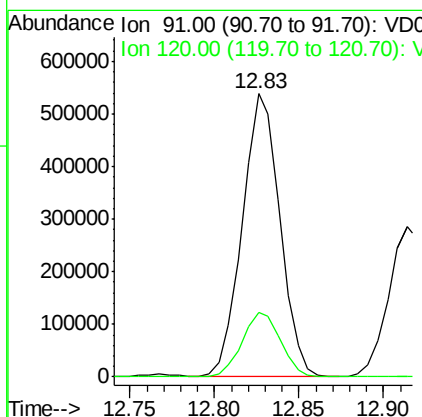
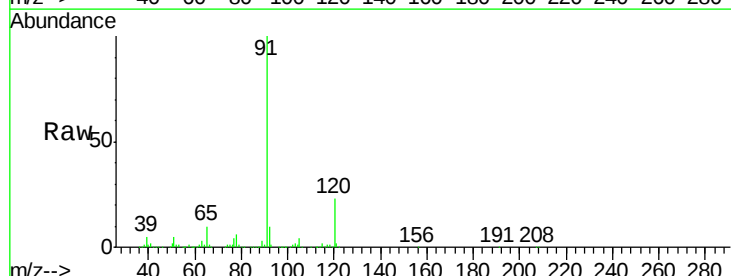
RT: 12.83 min Scan# 1854

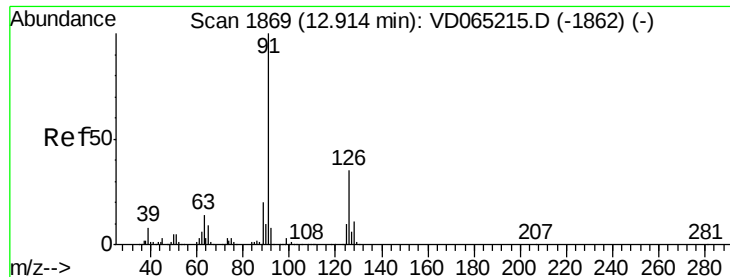
Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion:	91	Resp:	833960
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 55.045 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 91 Resp: 481118

Ion Ratio Lower Upper

91 100

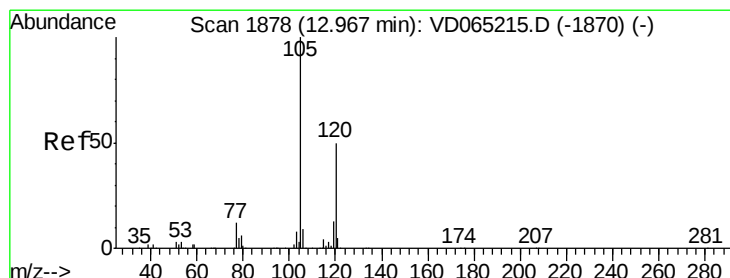
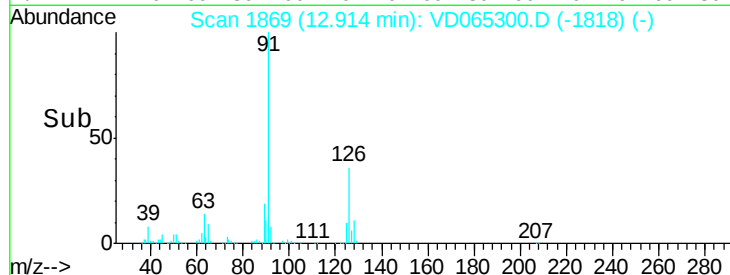
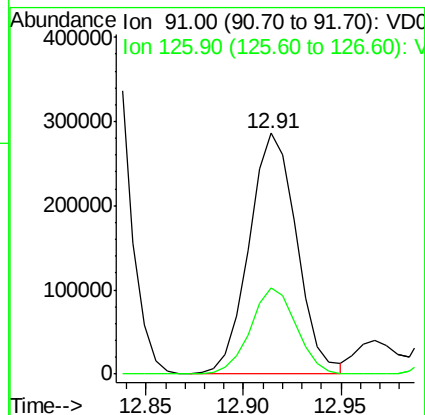
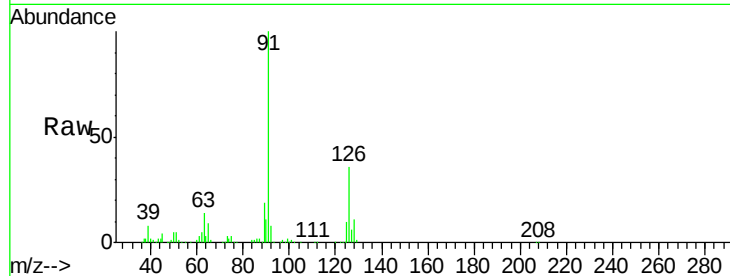
126 34.9 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 54.891 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065300.D

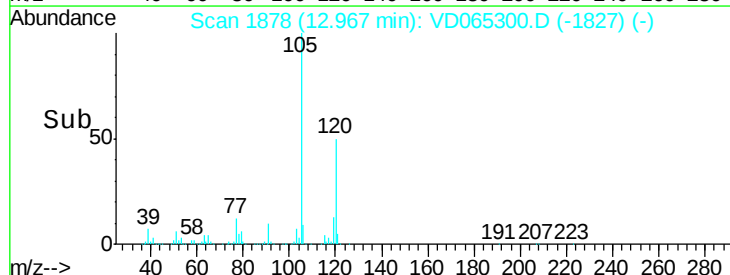
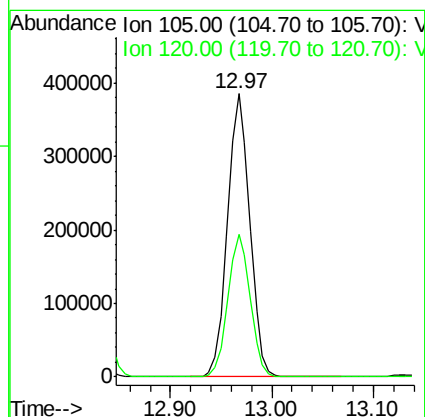
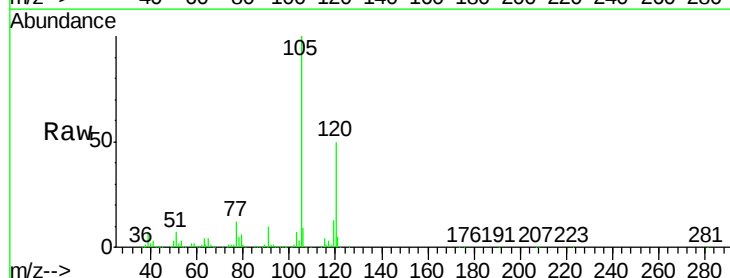
Acq: 24 Feb 2020 17:49

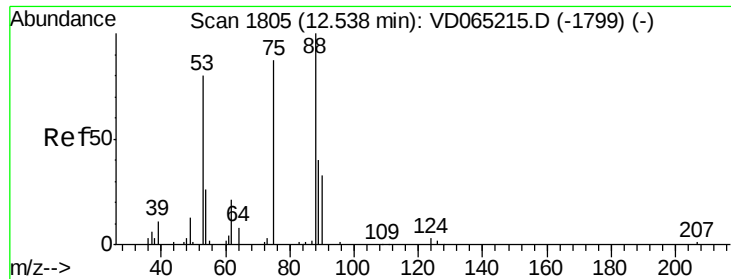
Tgt Ion: 105 Resp: 586970

Ion Ratio Lower Upper

105 100

120 50.4 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 58.984 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

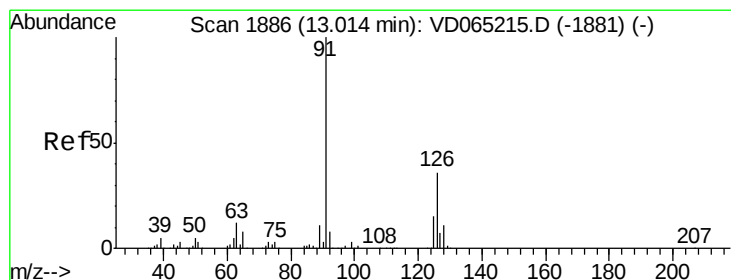
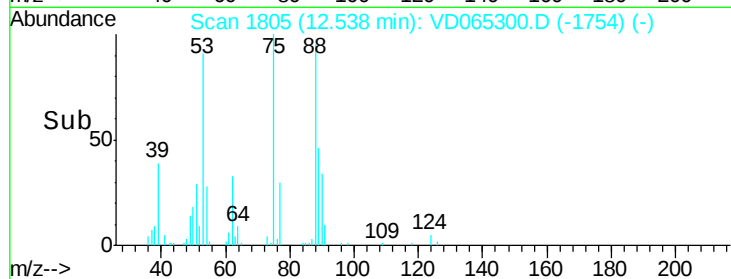
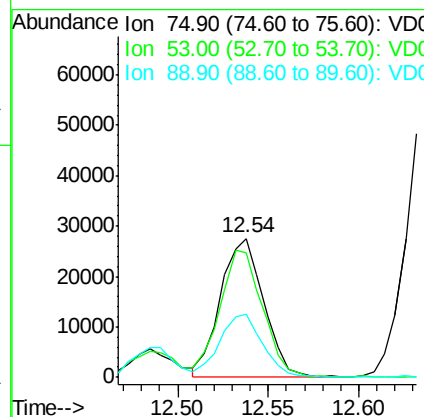
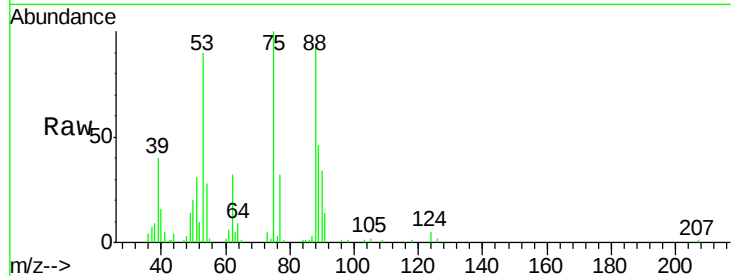
ClientSampleId :

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Tot Ion:	75	Resp:	45581
Ion	Ratio	Lower	Upper
75	100		
53	92.6	77.6	116.4
89	45.2	37.2	55.8

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#82

4-Chlorotoluene

Concen: 53.905 ug/l

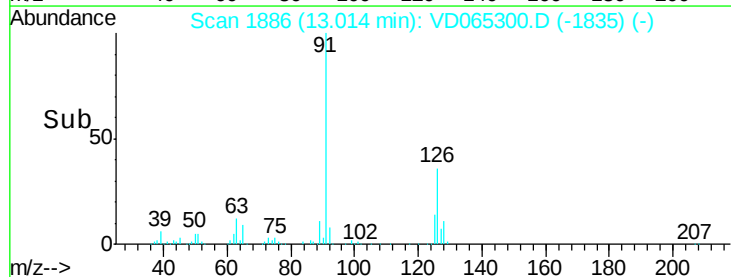
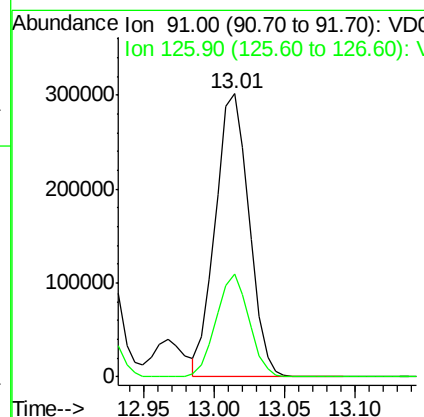
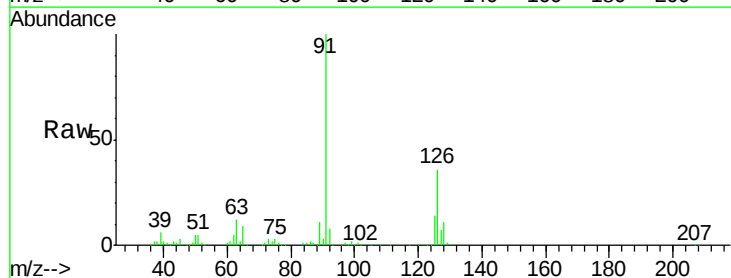
RT: 13.01 min Scan# 1886

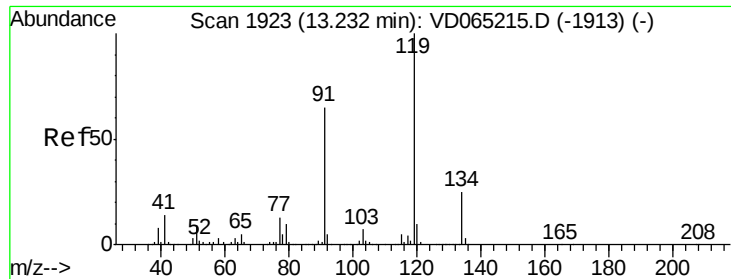
Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion:	91	Resp:	500198
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.3





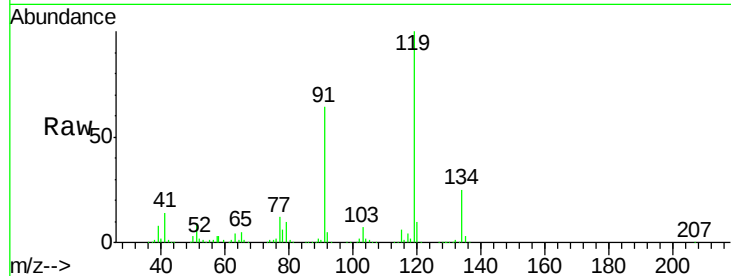
#83
tert-Butylbenzene
Concen: 52.279 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

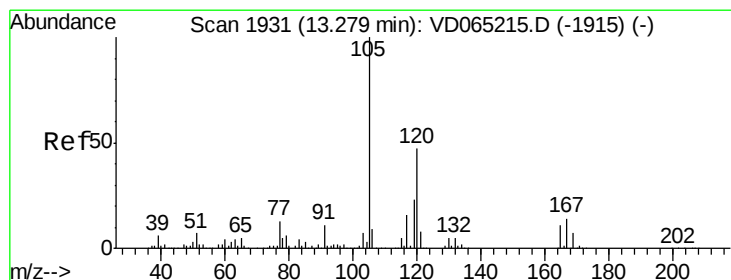
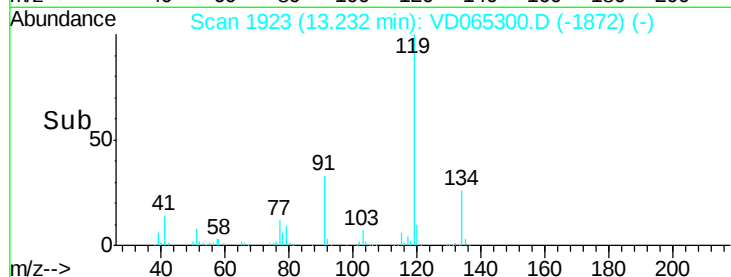
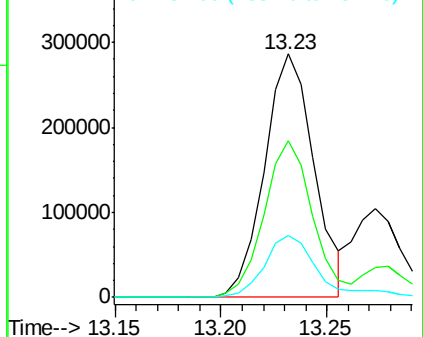
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.9	95.5
134	25.3	13.8	41.3

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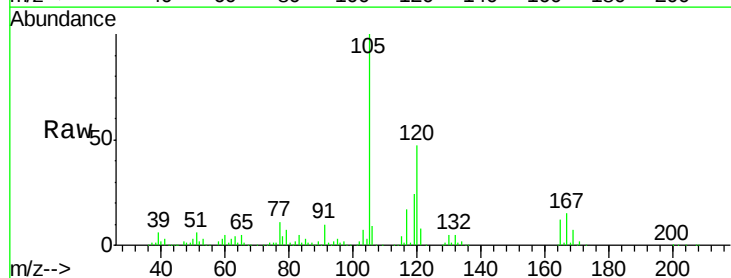


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

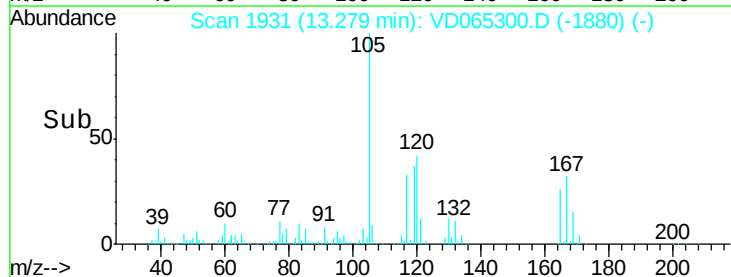
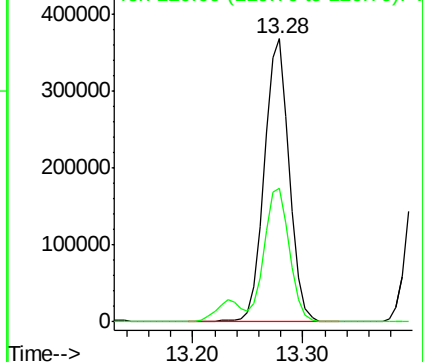


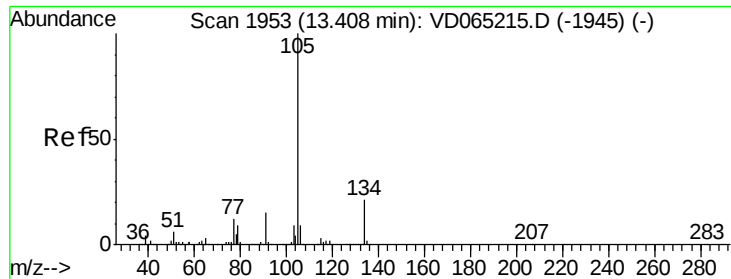
#84
1,2,4-Trimethylbenzene
Concen: 54.369 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.3	69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





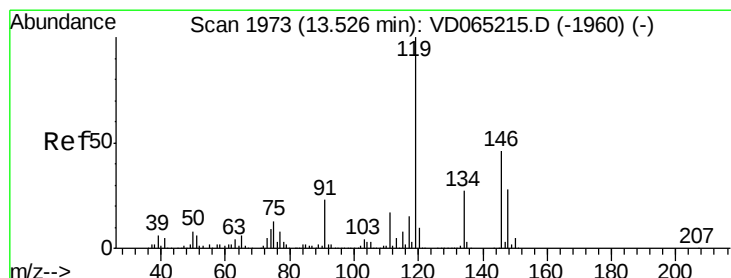
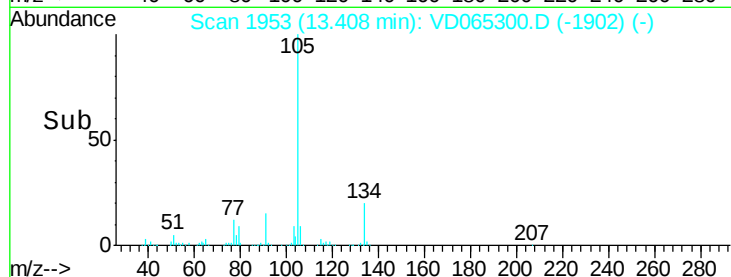
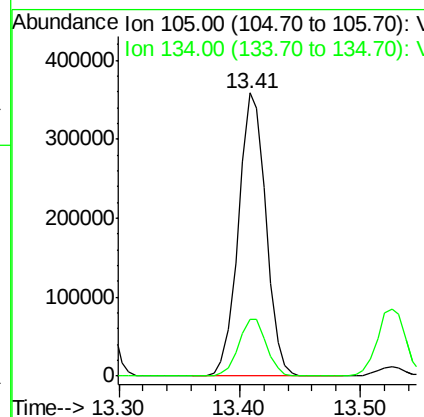
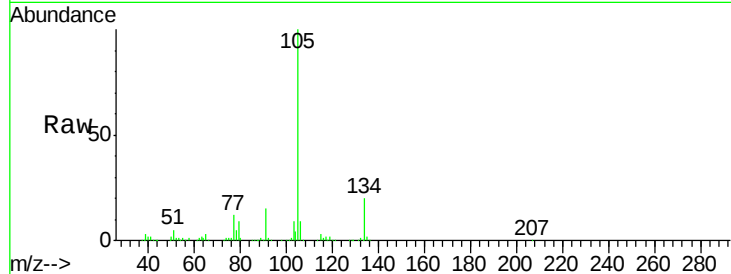
#85
 sec-Butylbenzene
 Concen: 44.022 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.9

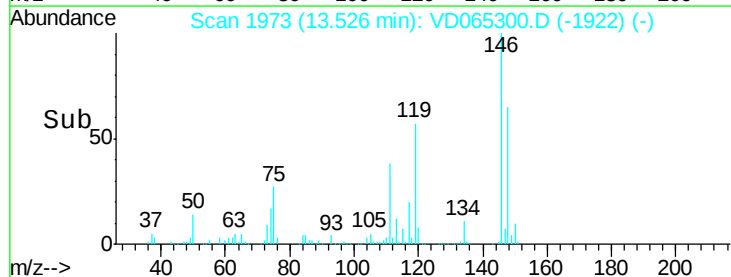
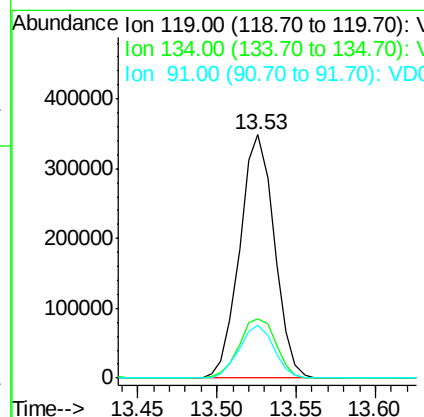
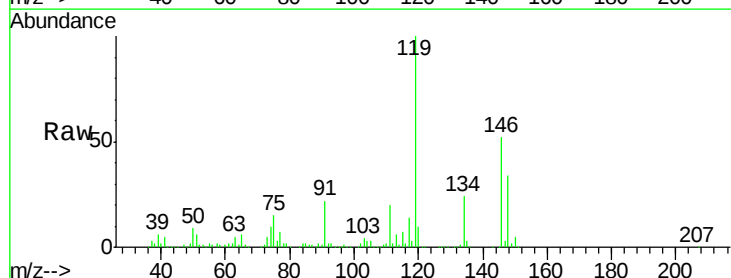
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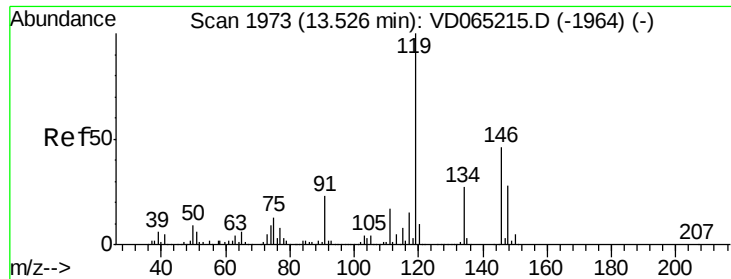
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#86
 p-Isopropyltoluene
 Concen: 44.722 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.8	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 47.455 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

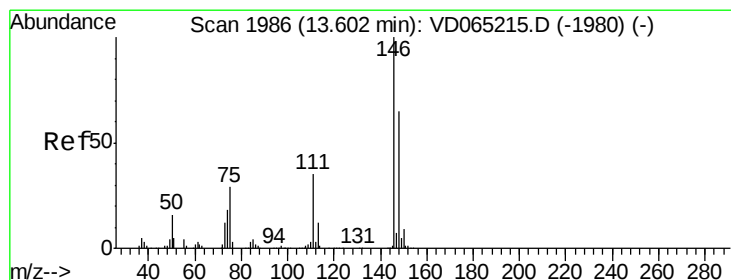
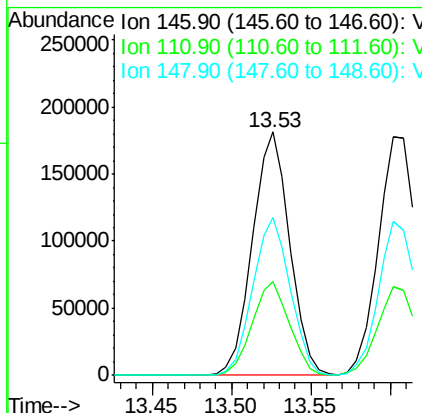
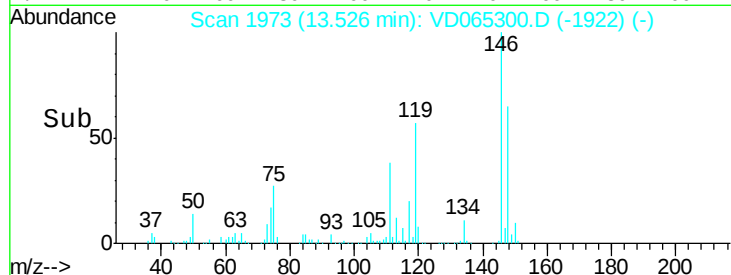
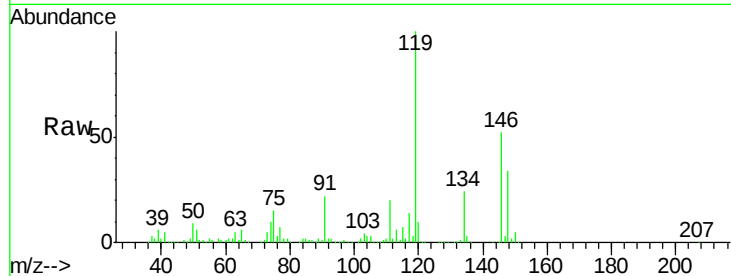
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	146	Resp:	295772
Ion Ratio	Lower	Upper	
146	100		
111	38.7	18.6	55.8
148	65.2	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 48.587 ug/l

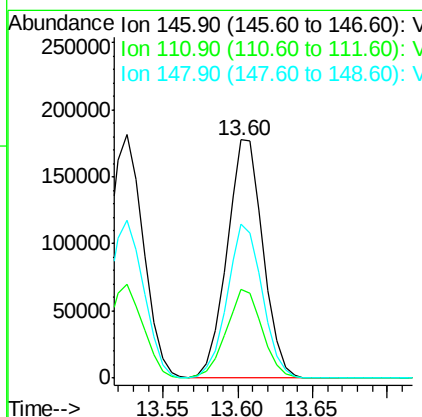
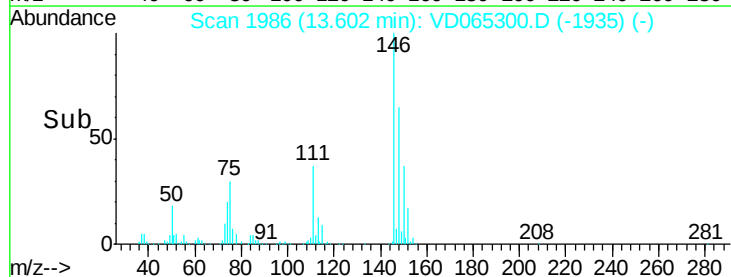
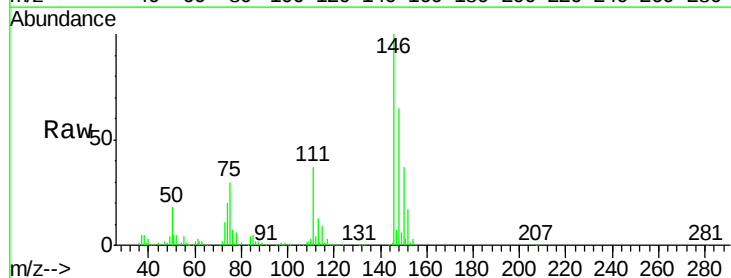
RT: 13.60 min Scan# 1986

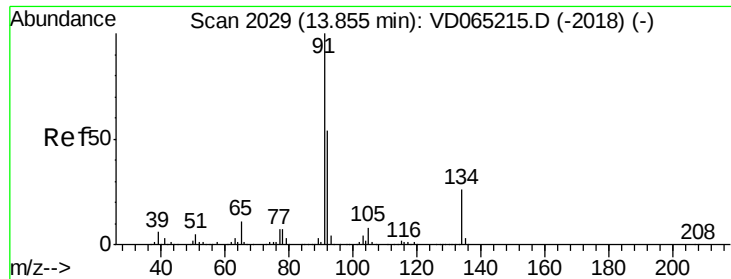
Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion:	146	Resp:	298872
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.4	55.2
148	62.9	32.1	96.5





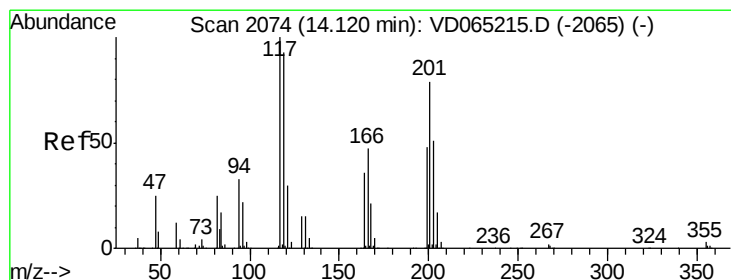
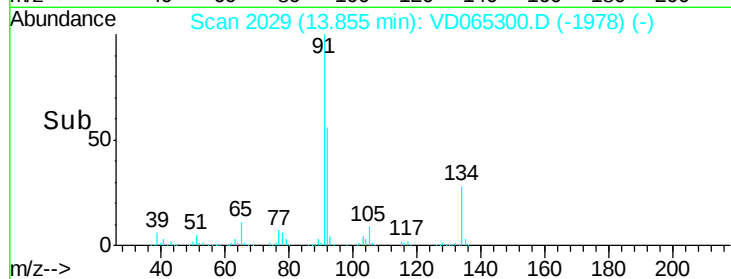
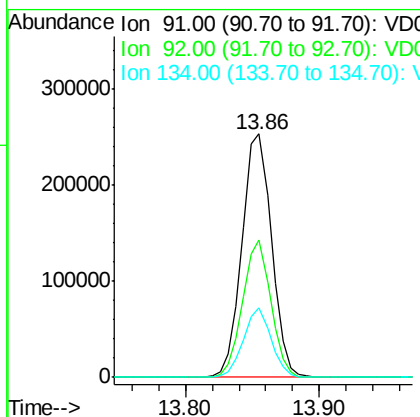
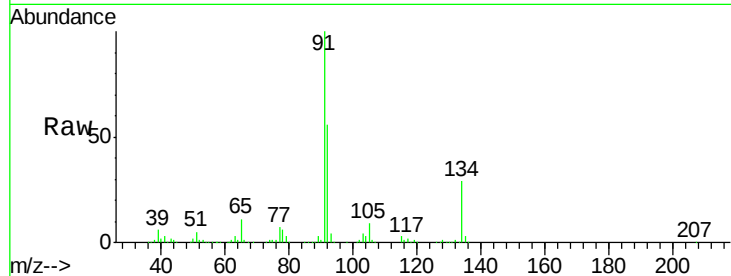
#89
n-Butylbenzene
Concen: 35.670 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	27.0	80.8	
134	26.6	13.5	40.4	

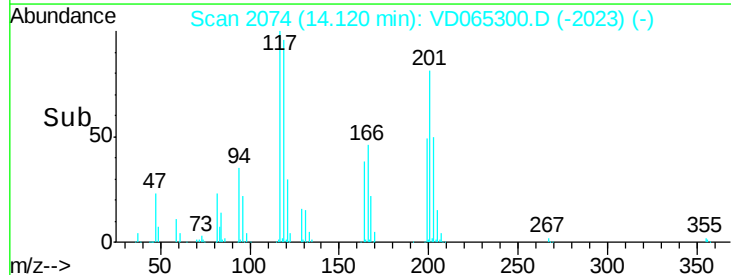
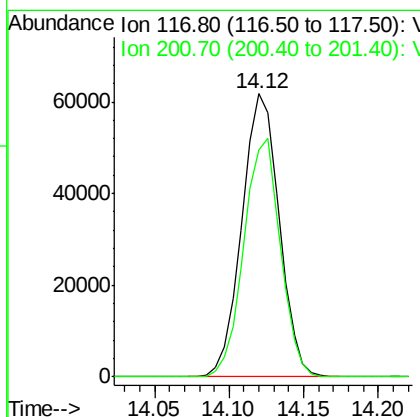
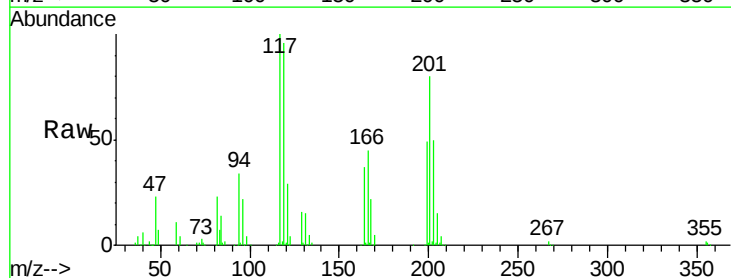
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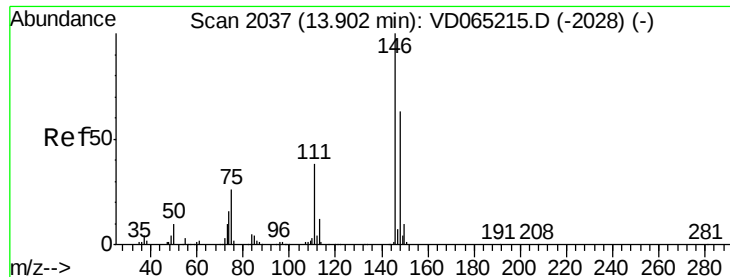
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#90
Hexachloroethane
Concen: 44.485 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.2	41.3	124.1	





#91

1,2-Dichlorobenzene

Concen: 48.388 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

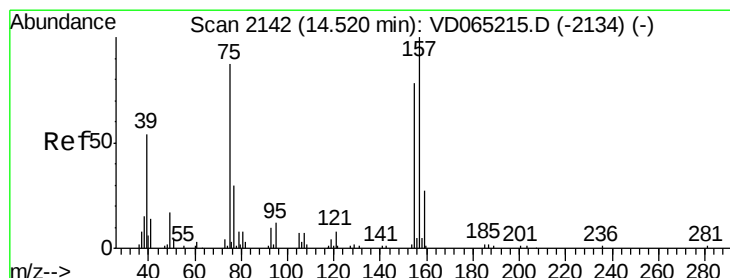
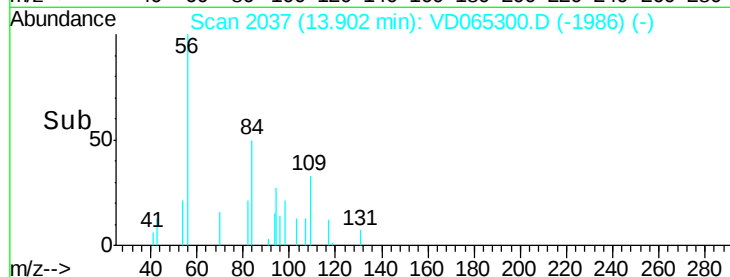
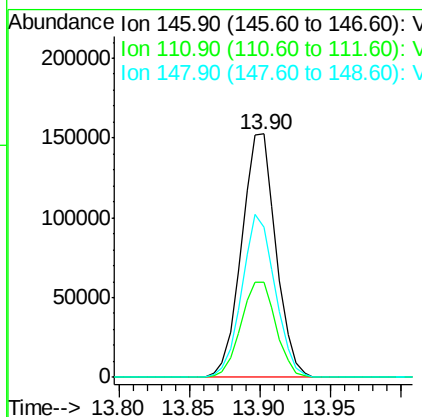
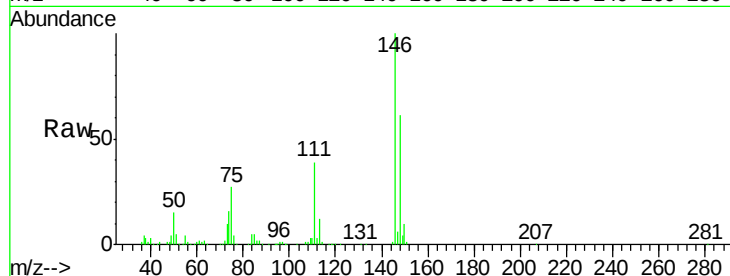
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	146	Resp:	258952
Ion Ratio		Lower	Upper
146	100		
111	40.1	19.7	59.0
148	64.8	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.672 ug/l

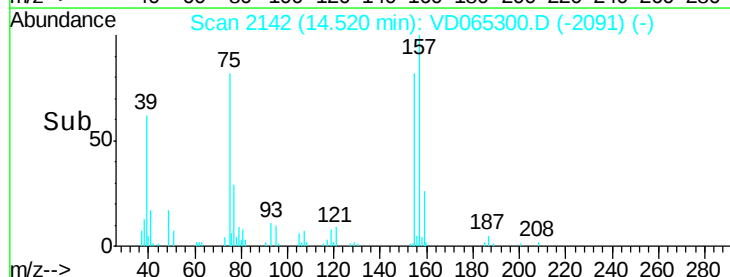
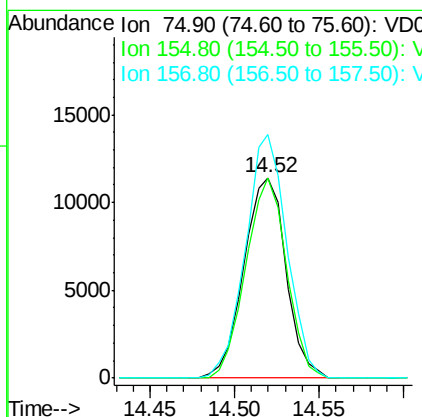
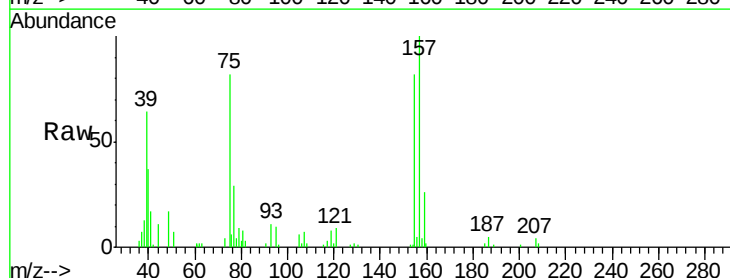
RT: 14.52 min Scan# 2142

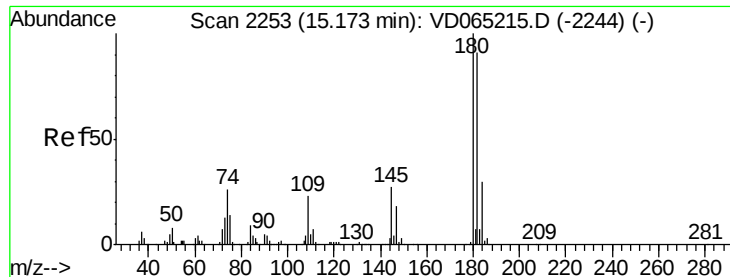
Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion:	75	Resp:	19742
Ion Ratio		Lower	Upper
75	100		
155	96.2	42.3	126.9
157	119.2	56.7	170.1





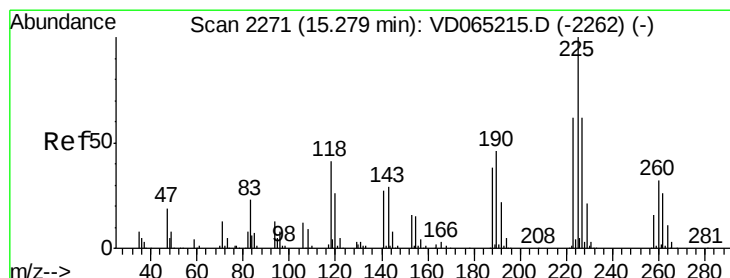
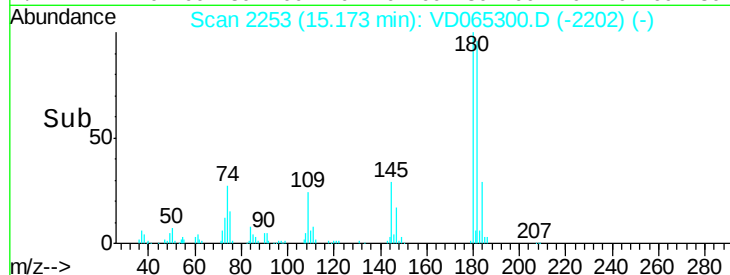
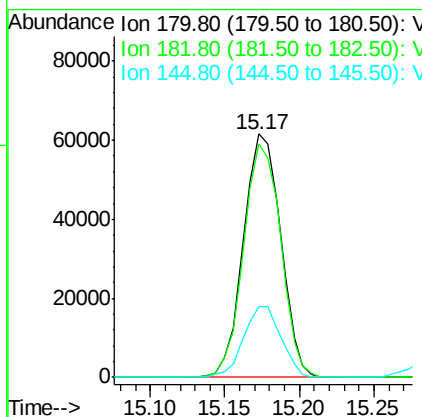
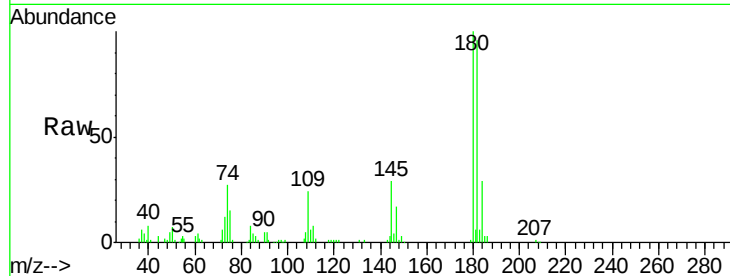
#93
 1,2,4-Trichlorobenzene
 Concen: 30.428 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	46.9	140.6	
145	29.2	13.9	41.7	

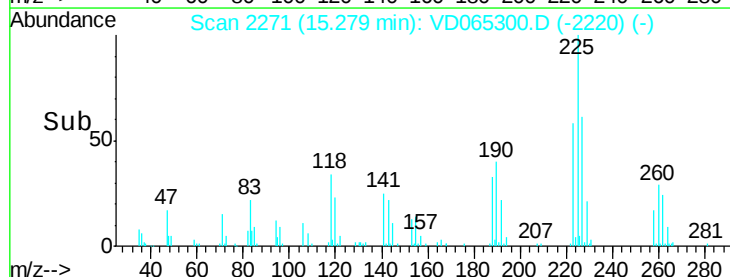
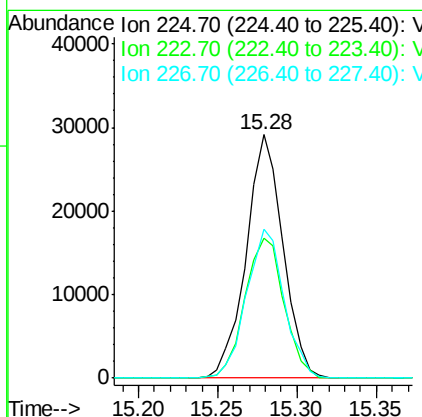
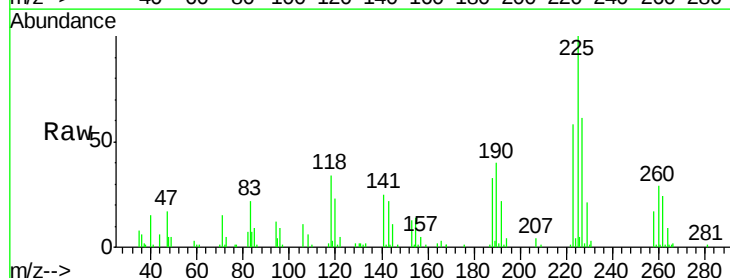
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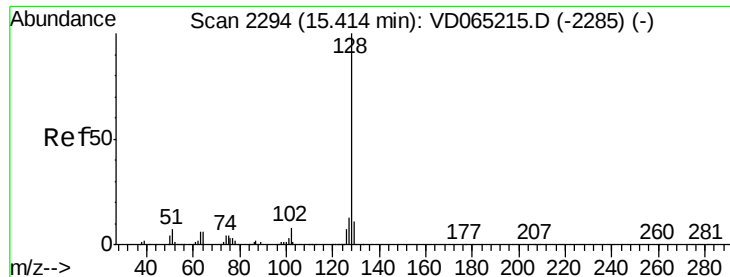
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#94
 Hexachlorobutadiene
 Concen: 20.903 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	31.4	94.2	
227	62.8	31.7	95.1	





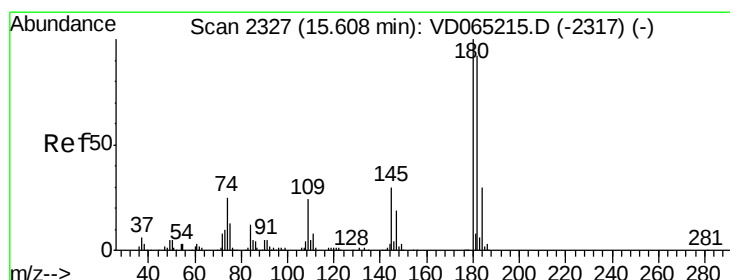
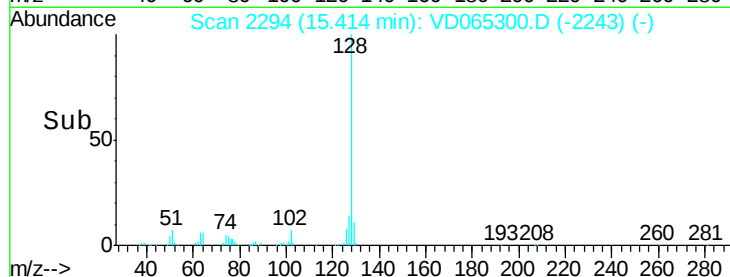
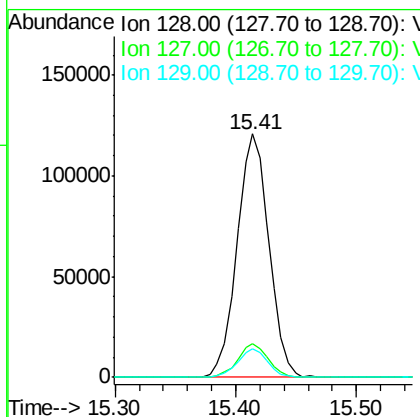
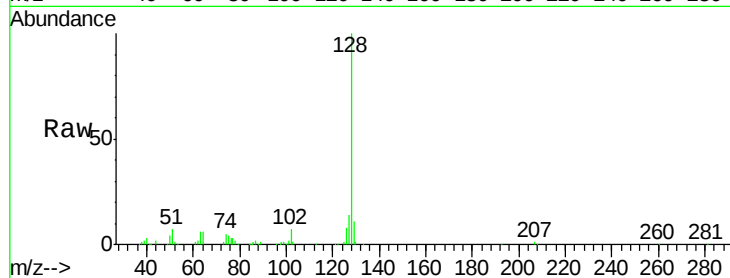
#95
Naphthalene
Concen: 38.933 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 27.706 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.9	140.6
145	31.5	15.4	46.1

