

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065293.D
 Acq On : 24 Feb 2020 14:31
 Operator : VA/SY
 Sample : L1635-12MS
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Manual Integrations
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 2/25/2020 5:15:45 PM

Quant Time: Feb 25 02:42:47 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	7.98	168	108842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	200539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	203389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	81504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	119017	121.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	243.10%	
35) Dibromofluoromethane	7.92	113	98732	80.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.48%	
50) Toluene-d8	10.34	98	267826	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
62) 4-Bromofluorobenzene	12.64	95	80918	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	35161	38.516	ug/l	97
3) Chloromethane	2.21	50	48702	41.914	ug/l	99
4) Vinyl Chloride	2.35	62	42808	36.230	ug/l #	88
5) Bromomethane	2.77	94	19245	26.939	ug/l	92
6) Chloroethane	2.93	64	38613	53.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	68510	40.500	ug/l	92
8) Diethyl Ether	3.71	74	68229	133.620	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	38845	36.363	ug/l	99
10) Methyl Iodide	4.29	142	21229	19.140	ug/l	98
11) Tert butyl alcohol	5.25	59	43075	736.194	ug/l	99
12) 1,1-Dichloroethene	4.06	96	40689	40.321	ug/l	98
14) Allvl chloride	4.71	41	59063	36.042	ug/l	89
15) Acrylonitrile	5.43	53	122212	540.596	ug/l	98
16) Acetone	4.17	43	115157	481.119	ug/l	95
17) Carbon Disulfide	4.40	76	27863	8.236	ug/l	97
18) Methyl Acetate	4.72	43	98242	182.496	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	289811	137.718	ug/l	100
20) Methylene Chloride	4.96	84	128621	127.889	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	63189	55.081	ug/l	95
22) Diisopropyl ether	6.37	45	320629	101.494	ug/l	98
23) Vinyl Acetate	6.37	43	172760	99.196	ug/l #	73
24) 1,1-Dichloroethane	6.27	63	144367	73.676	ug/l	97
25) 2-Butanone	7.23	43	78424	258.968	ug/l	100
26) 2,2-Dichloropropane	7.21	77	37504	22.060	ug/l	88
27) cis-1,2-Dichloroethene	7.21	96	93198	76.696	ug/l	92
28) Bromochloromethane	7.55	49	87482	120.340	ug/l	100
29) Tetrahydrofuran	7.57	42	139852	788.178	ug/l	99
30) Chloroform	7.71	83	171615	86.932	ug/l	100
31) Cyclohexane	7.98	56	53231	27.649	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	93402	52.881	ug/l	98
36) 1,1-Dichloropropene	8.11	75	65898	33.772	ug/l	99
37) Ethyl Acetate	7.23	43	78424	96.142	ug/l #	1
38) Carbon Tetrachloride	8.10	117	59529	29.969	ug/l	99
39) Methylcyclohexane	9.36	83	36930	16.099	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.36	78	313057	56.841	ug/l	98
41) Methacrylonitrile	7.53	41	18611m	39.515	ug/l	
42) 1,2-Dichloroethane	8.43	62	142401	94.049	ug/l	99
43) Isopropyl Acetate	8.46	43	5713	3.851	ug/l #	59
44) Trichloroethene	9.11	130	68643	44.962	ug/l	100
45) 1,2-Dichloropropane	9.39	63	102968	75.186	ug/l	99
46) Dibromomethane	9.48	93	76526	108.603	ug/l	99
47) Bromodichloromethane	9.67	83	144774	77.962	ug/l	97
48) Methyl methacrylate	9.46	41	54228	79.090	ug/l	99
49) 1,4-Dioxane	9.47	88	21176	2562.323	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	363187	482.056	ug/l	99
52) Toluene	10.41	92	183655	53.872	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	90569	52.618	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	86873	41.796	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	102556	103.406	ug/l	96
56) Ethyl methacrylate	10.67	69	1977	1.727	ug/l #	67
57) 1,3-Dichloropropane	10.95	76	166901	98.875	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	133135	368.894	ug/l	100
59) 2-Hexanone	10.99	43	96679	179.260	ug/l	99
60) Dibromochloromethane	11.14	129	110458	87.015	ug/l	99
61) 1,2-Dibromoethane	11.25	107	87996	93.709	ug/l	97
64) Tetrachloroethene	10.88	164	55739	38.640	ug/l	95
65) Chlorobenzene	11.67	112	200131	49.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	100109	65.727	ug/l	99
67) Ethyl Benzene	11.75	91	272539	38.126	ug/l	99
68) m/p-Xylenes	11.86	106	218968	80.065	ug/l	97
69) o-Xylene	12.18	106	111390	45.972	ug/l	98
70) Stvrene	12.20	104	135212	31.431	ug/l	97
71) Bromoform	12.37	173	65817	77.873	ug/l #	96
73) Isopropylbenzene	12.48	105	198597	36.805	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	110071	113.027	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	83046m	119.756	ug/l	
77) Bromobenzene	12.77	156	88436	66.002	ug/l	92
78) n-propylbenzene	12.83	91	209331	32.282	ug/l	99
79) 2-Chlorotoluene	12.91	91	161420	44.436	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	176383	39.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10122	31.516	ug/l	95
82) 4-Chlorotoluene	13.01	91	175071	45.396	ug/l	100
83) tert-Butylbenzene	13.23	119	124663	33.468	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	191529	43.056	ug/l	99
85) sec-Butylbenzene	13.41	105	127739	23.799	ug/l	99
86) p-Isopropyltoluene	13.53	119	74066	15.090	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	114851	44.338	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	120754	47.233	ug/l	100
89) n-Butylbenzene	13.85	91	65724	14.531	ug/l	96
90) Hexachloroethane	14.12	117	28289	28.385	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	118711	53.374	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	16378	109.132	ug/l	97
93) 1,2,4-Trichlorobenzene	15.17	180	45056	30.970	ug/l	96
94) Hexachlorobutadiene	15.28	225	10482	11.232	ug/l	96

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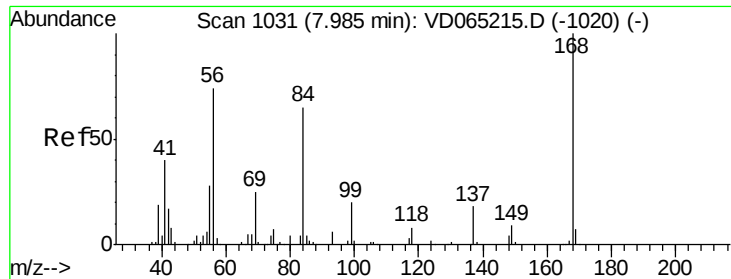
Manual Integrations
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QLast Update : Wed Feb 19 03:26:54 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	105411	44.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	40472	31.852	ug/l	99

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



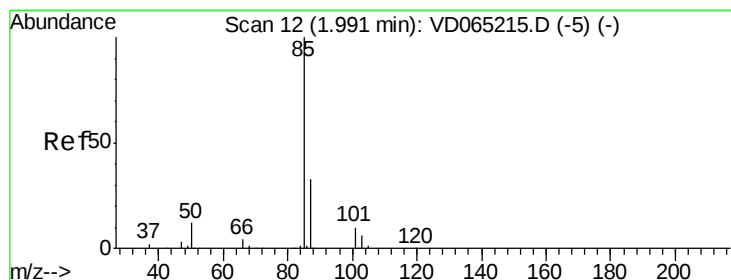
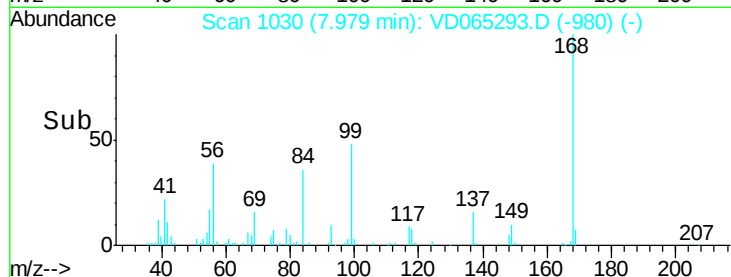
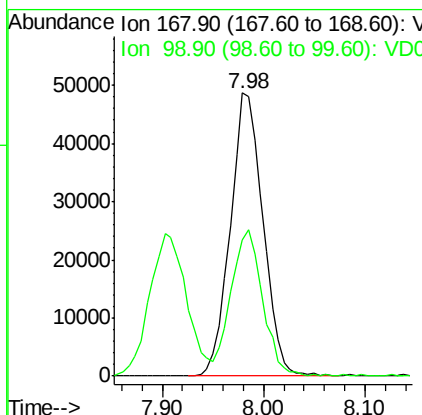
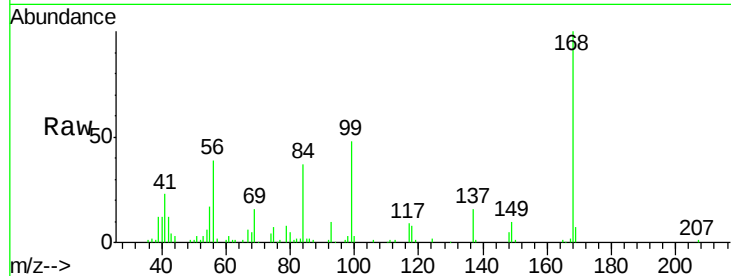
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.6	41.4	62.2

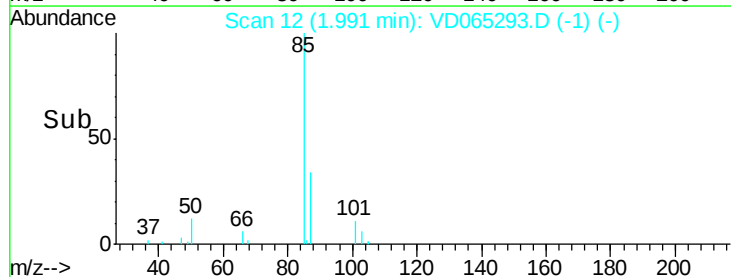
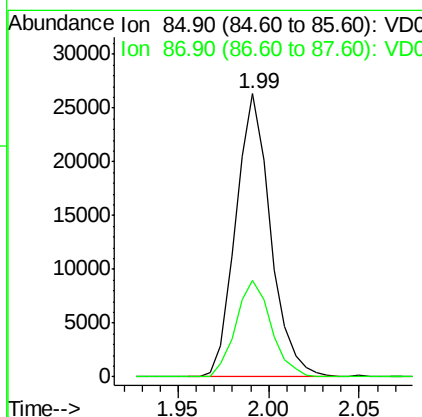
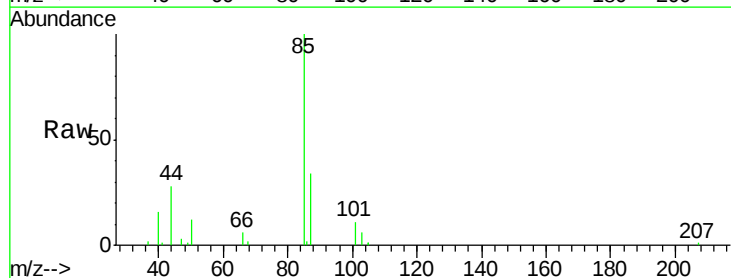
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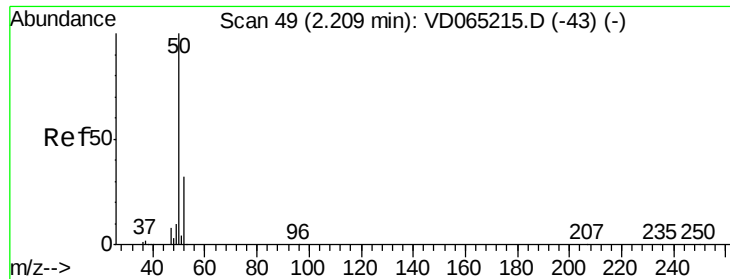
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#2
Dichlorodifluoromethane
Concen: 38.516 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.4	49.1





#3

Chloromethane

Concen: 41.914 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion: 50 Resp: 48702

Ion Ratio Lower Upper

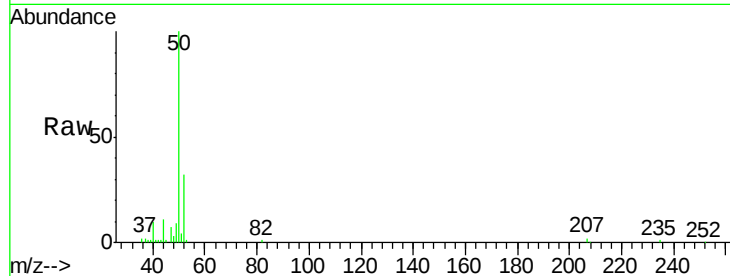
50 100

52 32.4 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

40000

30000

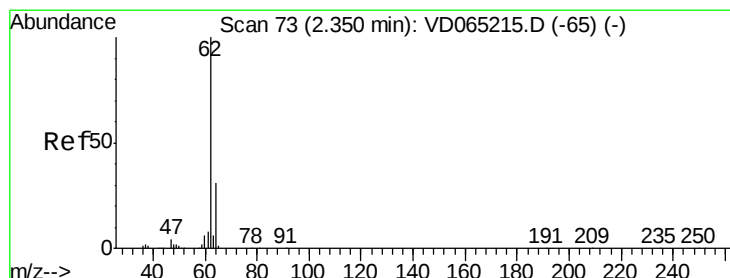
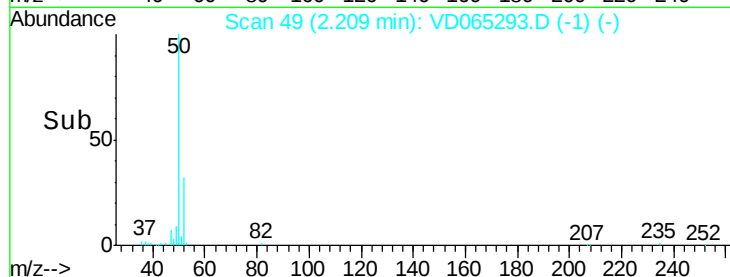
20000

10000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 36.230 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065293.D

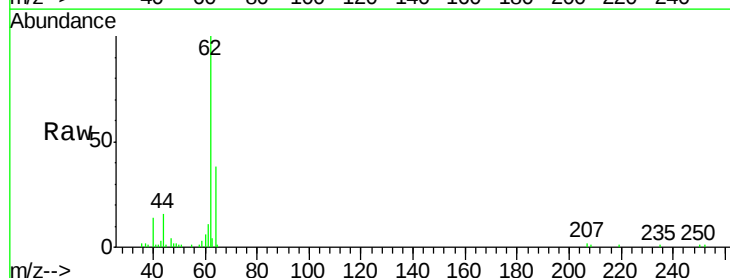
Acq: 24 Feb 2020 14:31

Tgt Ion: 62 Resp: 42808

Ion Ratio Lower Upper

62 100

64 38.1 25.0 37.6#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

30000

25000

20000

15000

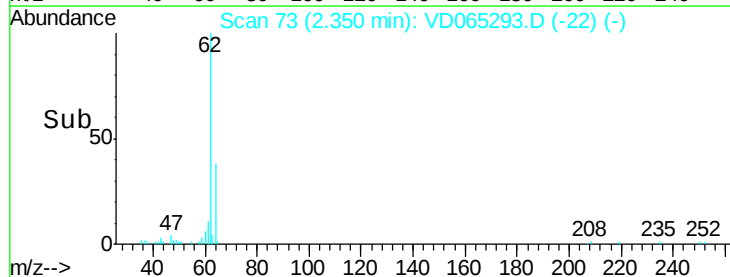
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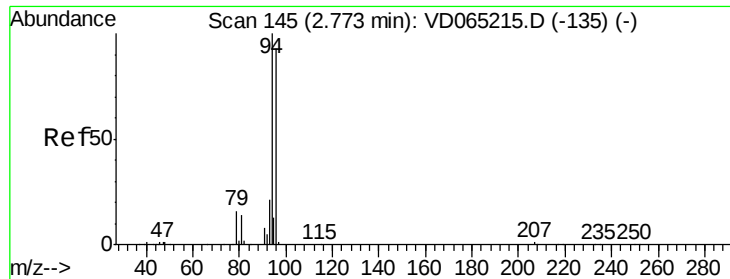
5000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 26.939 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion: 94 Resp: 19245

Ion Ratio Lower Upper

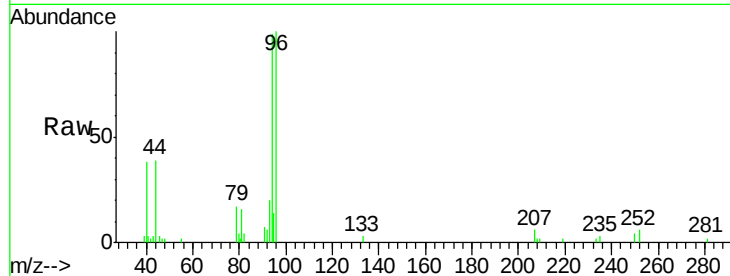
94 100

96 100.6 74.2 111.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

10000

8000

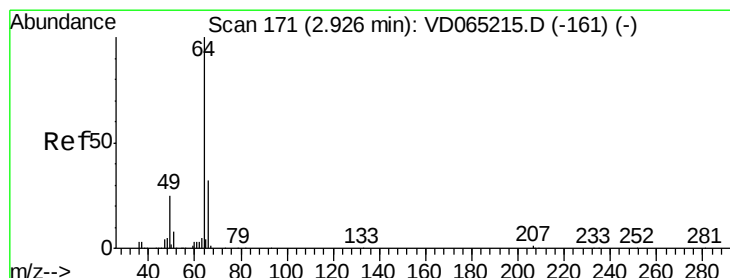
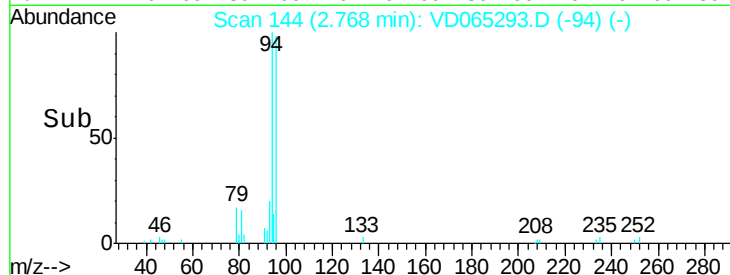
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 53.538 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065293.D

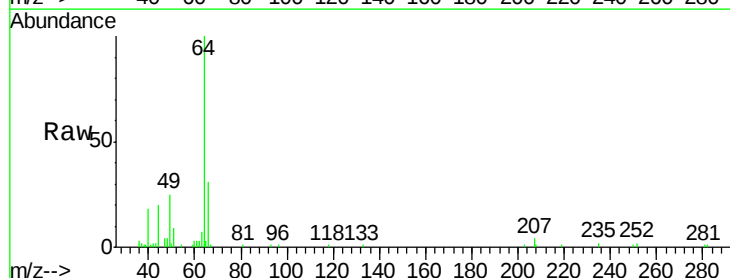
Acq: 24 Feb 2020 14:31

Tgt Ion: 64 Resp: 38613

Ion Ratio Lower Upper

64 100

66 30.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

20000

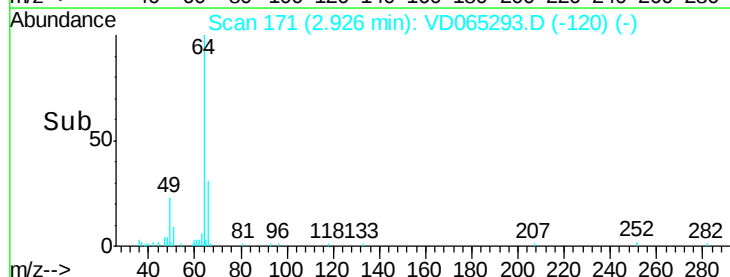
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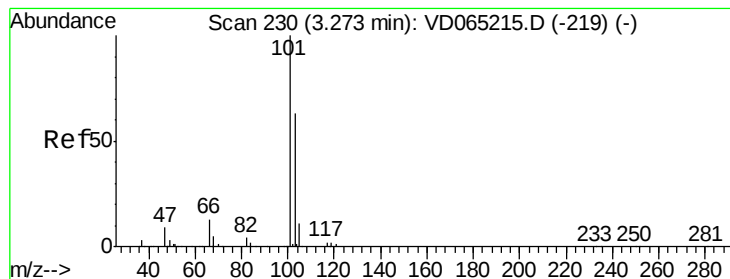
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5000

0

Time-->





#7

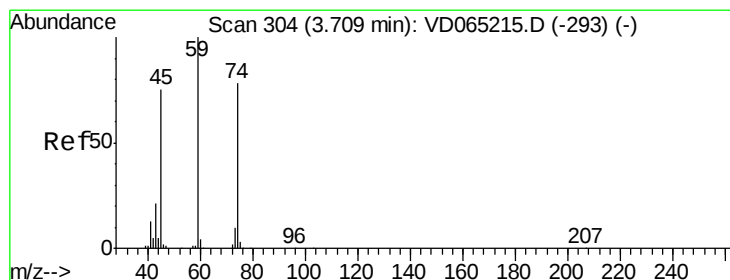
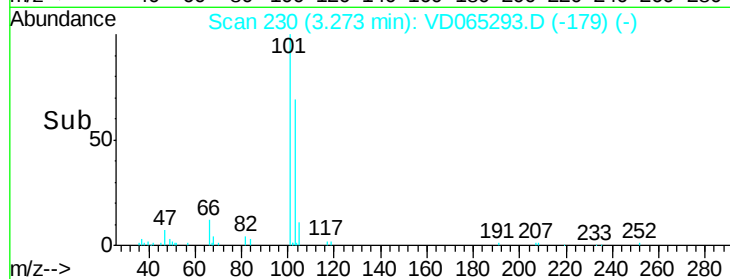
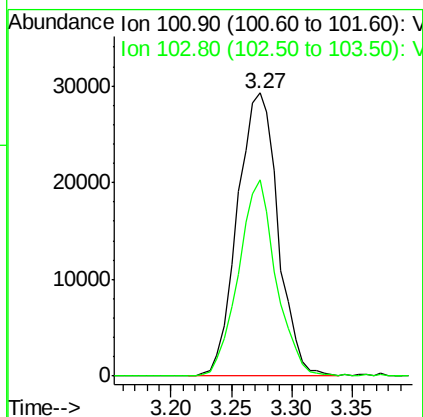
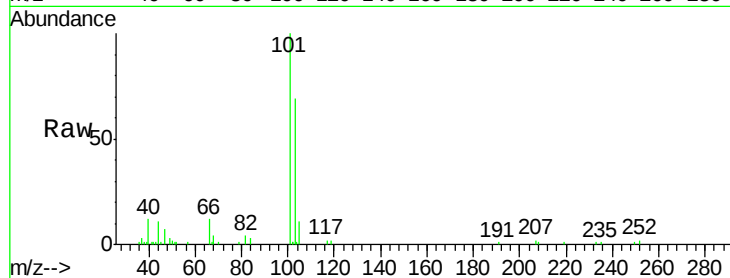
Trichlorofluoromethane
 Concen: 40.500 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	50.7	76.1

Manual Integrations
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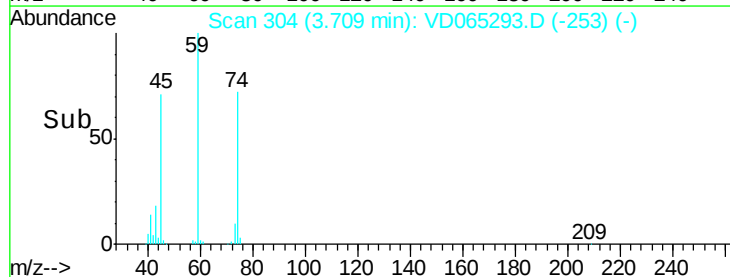
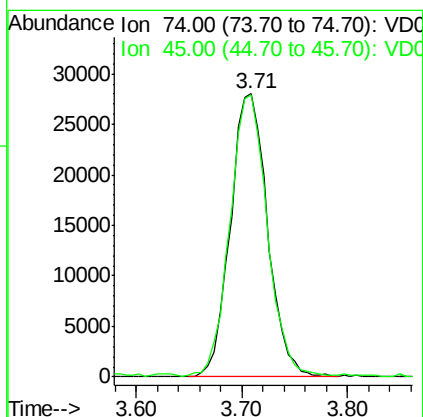
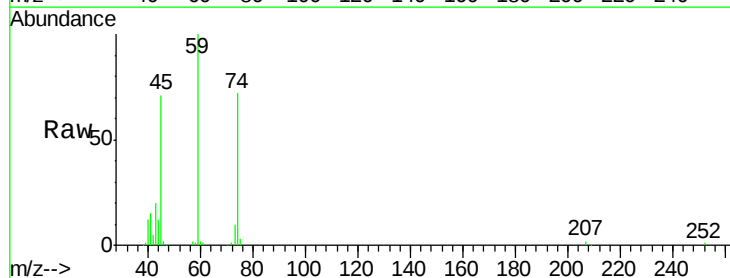
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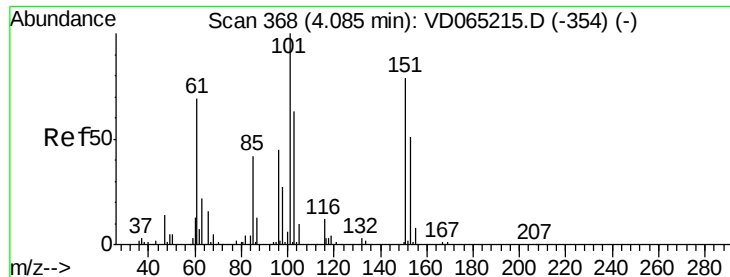


#8

Diethyl Ether
 Concen: 133.620 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.363 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

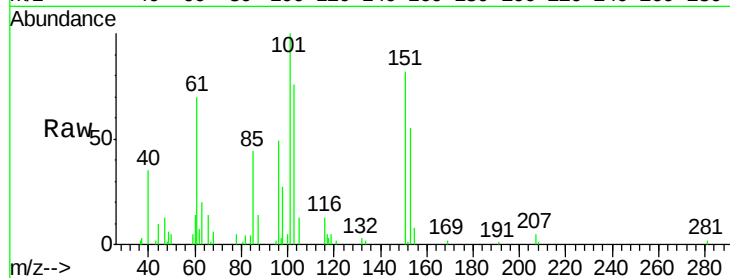
ClientSampleId :

LIED-TS001-01MS

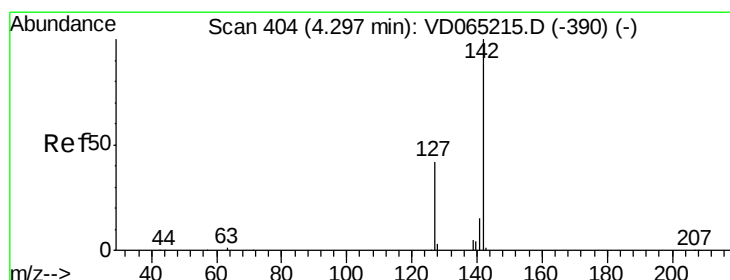
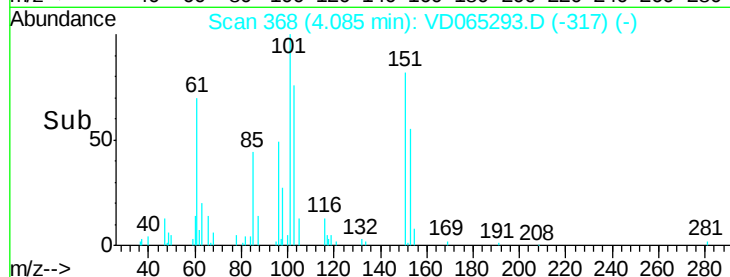
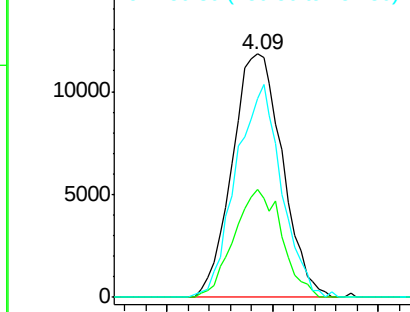
Tot Ion:	101	Resp:	38845
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	80.2	63.5	95.3

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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: 19.140 ug/l

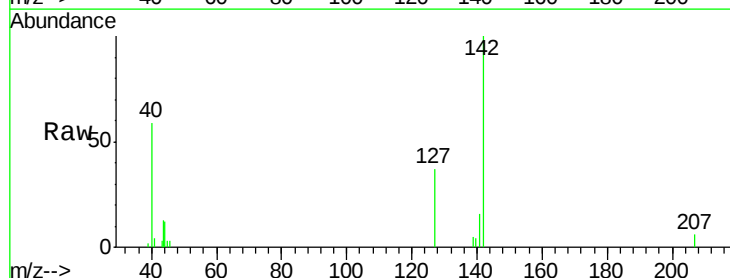
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

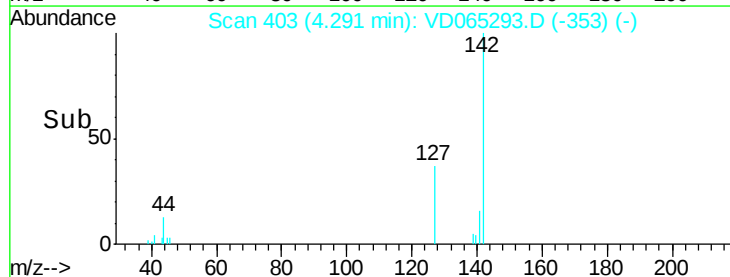
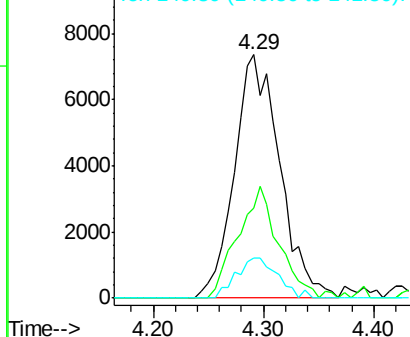
Lab File: VD065293.D

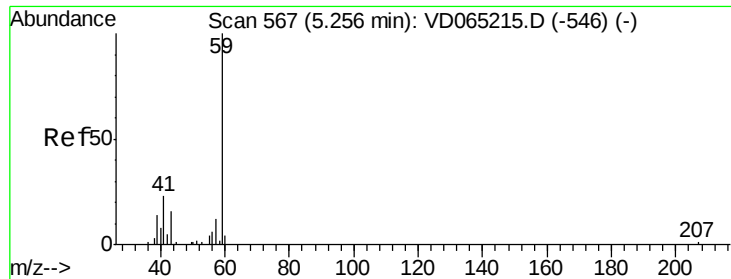
Acq: 24 Feb 2020 14:31

Tgt Ion:	142	Resp:	21229
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.8	50.8
141	15.1	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

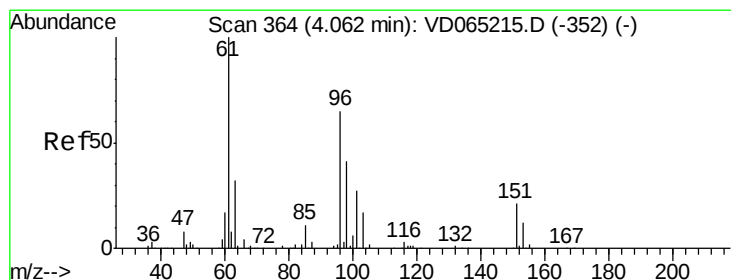
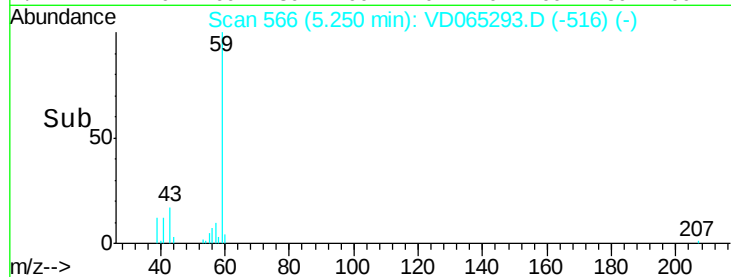
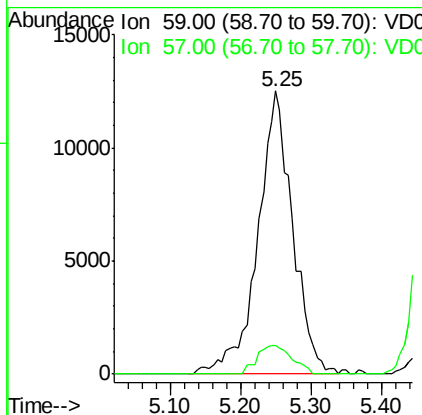
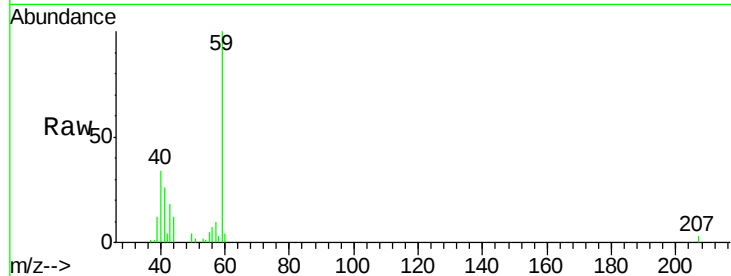
Tert butyl alcohol
Concen: 736.194 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		43075		
57	10.2			8.4	12.6

Manual Integrations
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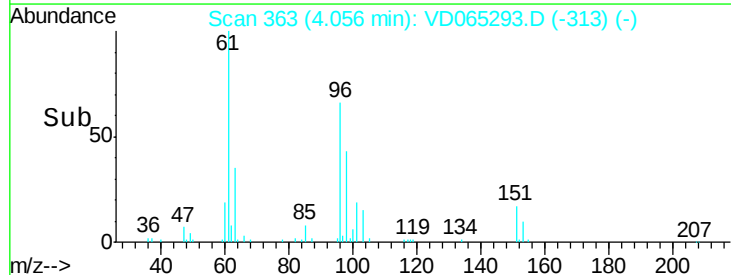
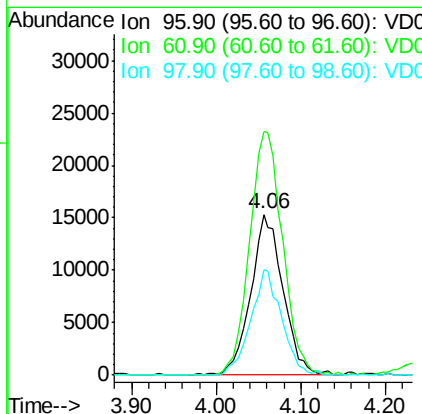
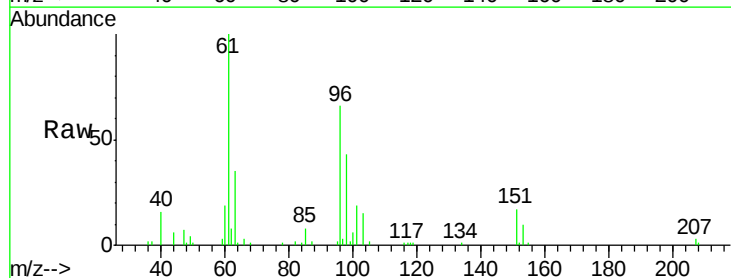
MMDadoda
2/25/2020 5:15:45 PM

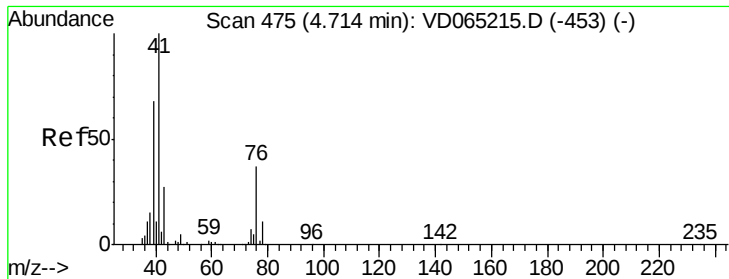


#12

1,1-Dichloroethene
Concen: 40.321 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		40689		
61	151.8			123.3	184.9
98	65.7			51.0	76.4





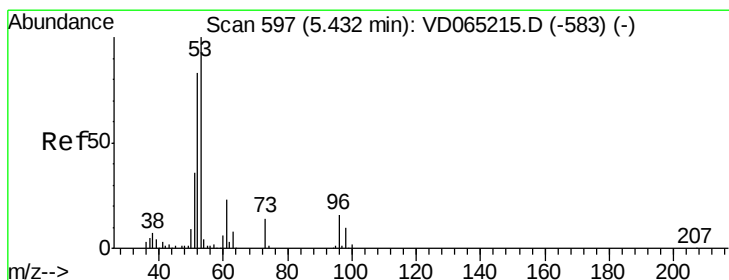
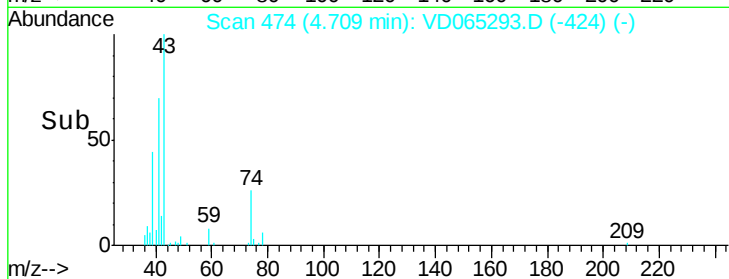
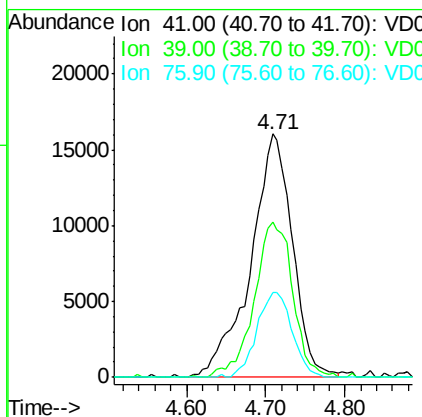
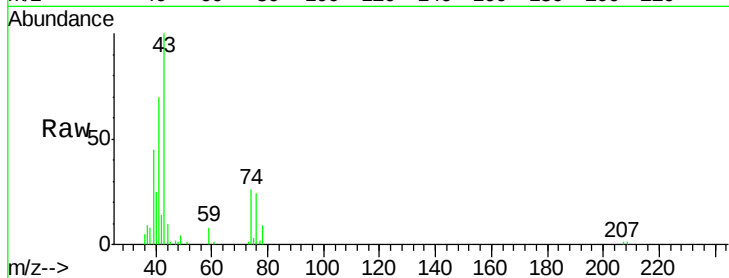
#14
Allvl chloride
Concen: 36.042 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.6	53.8	80.6
76	29.1	28.7	43.1

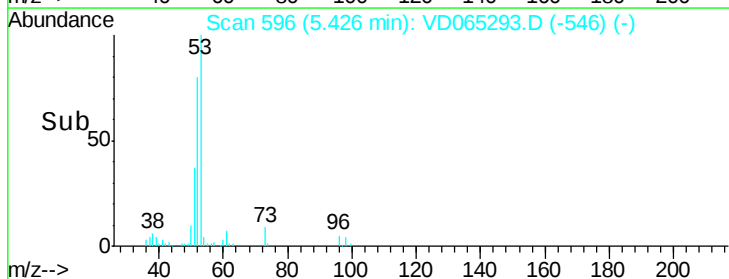
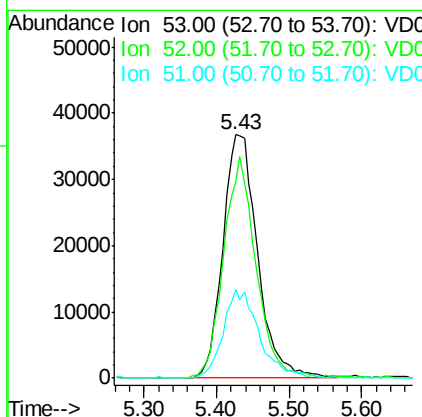
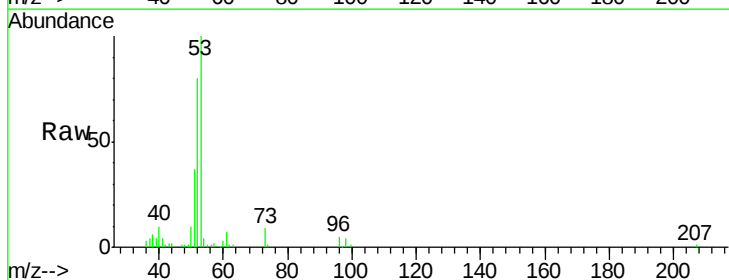
Manual Integrations
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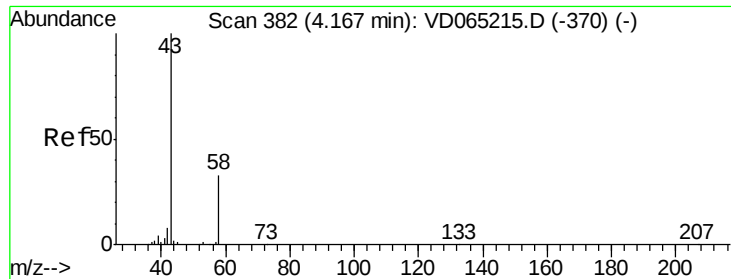
MMDadoda
2/25/2020 5:15:45 PM



#15
Acrylonitrile
Concen: 540.596 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.4	98.2
51	37.6	29.5	44.3





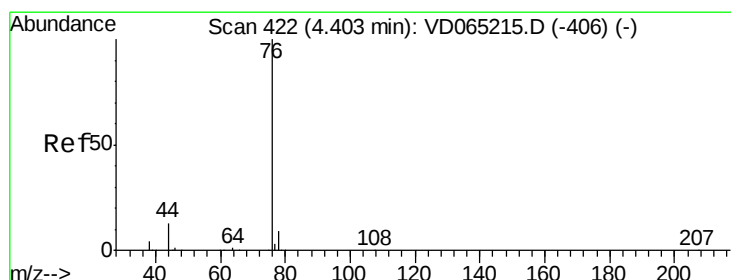
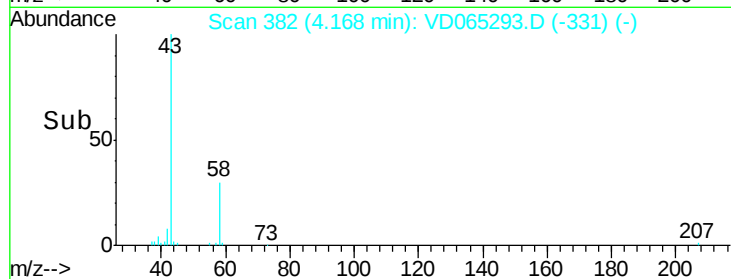
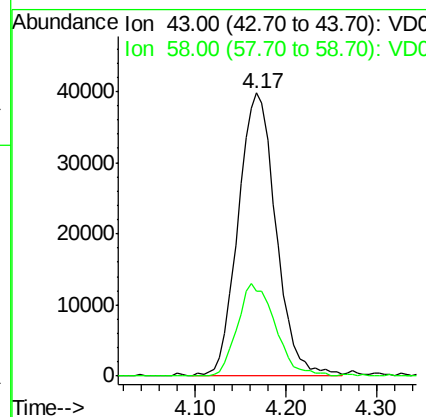
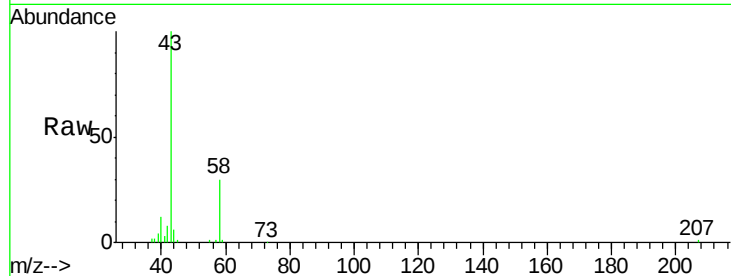
#16
Acetone
Concen: 481.119 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	43	Resp	115157
Ion Ratio	43	100	
Lower	58	30.0	26.2
Upper			39.2

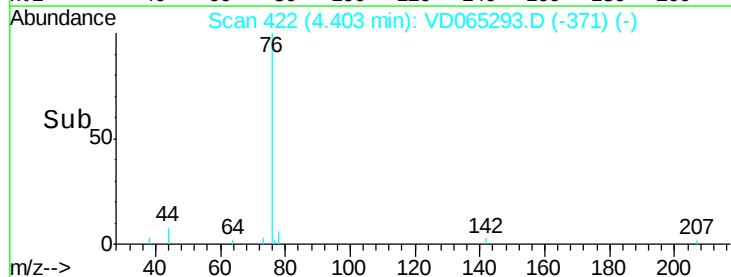
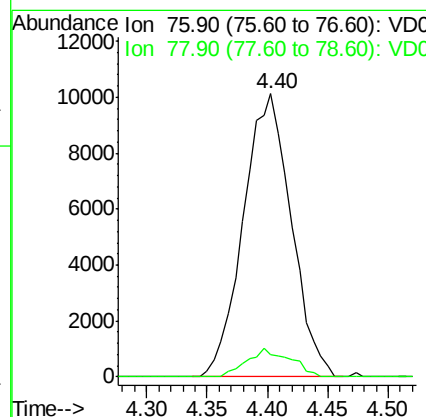
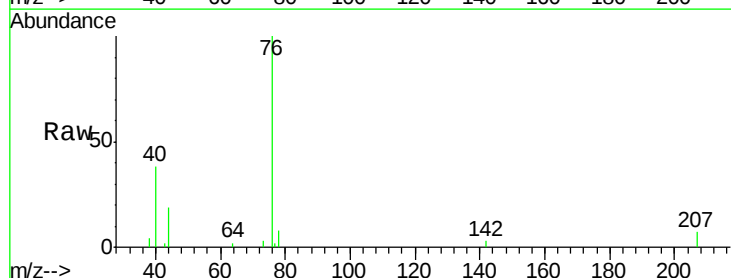
Manual Integrations
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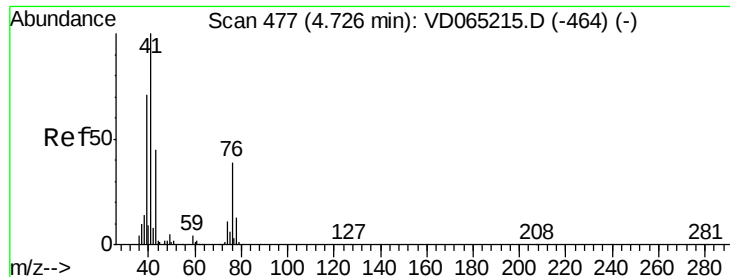
MMDadoda
2/25/2020 5:15:45 PM



#17
Carbon Disulfide
Concen: 8.236 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	76	Resp	27863
Ion Ratio	76	100	
Lower	78	7.8	7.0
Upper			10.6





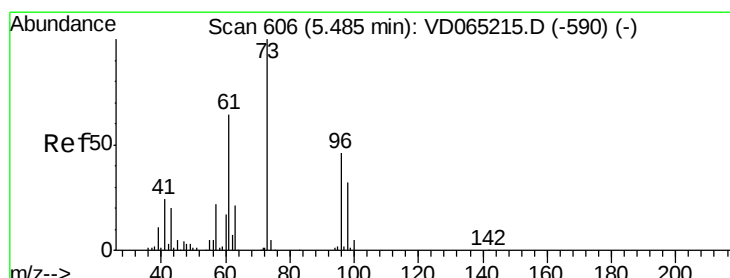
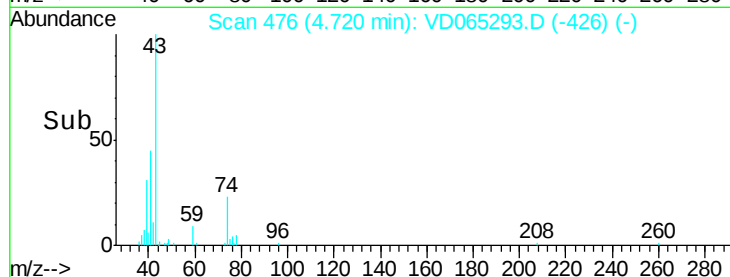
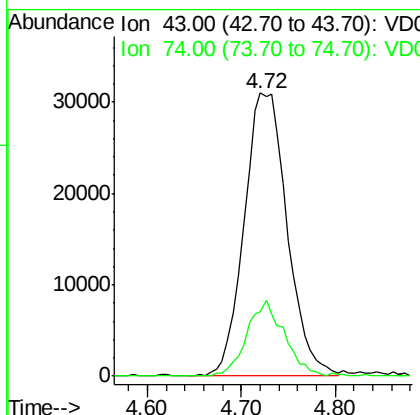
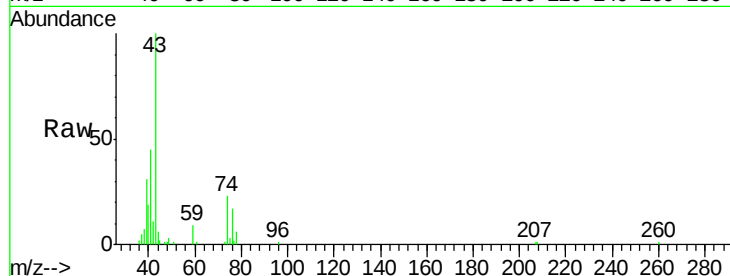
#18
Methyl Acetate
Concen: 182.496 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion: 43 Resp: 98242
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2

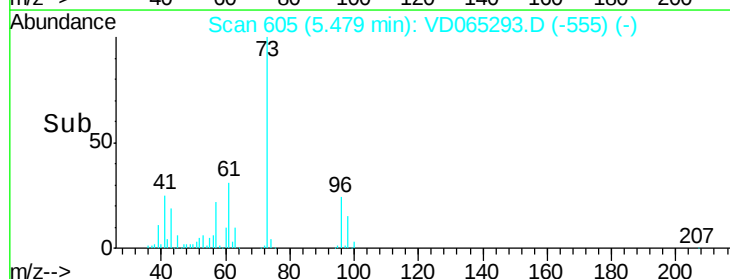
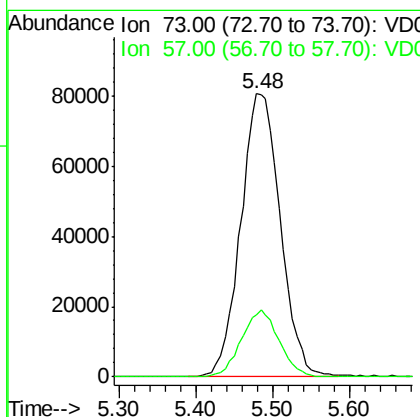
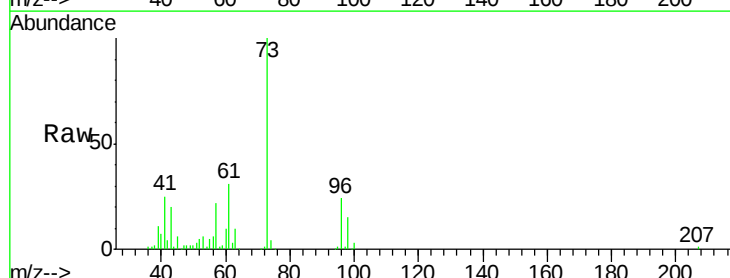
Manual Integrations
APPROVED

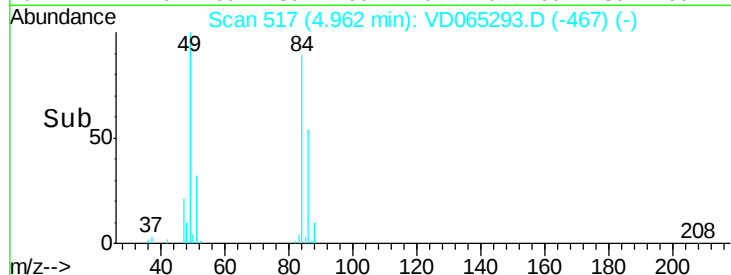
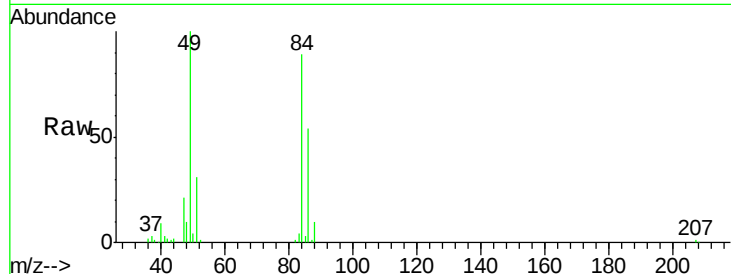
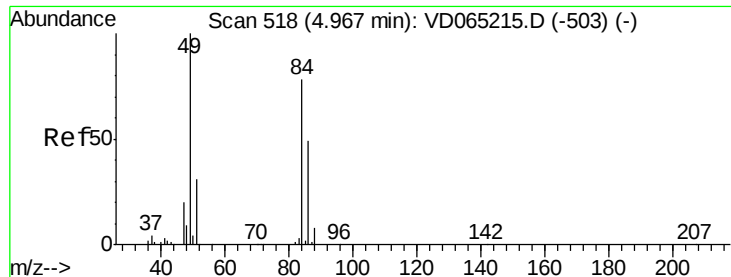
MMDadoda
2/25/2020 5:15:45 PM



#19
Methyl tert-butyl Ether
Concen: 137.718 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 73 Resp: 289811
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9





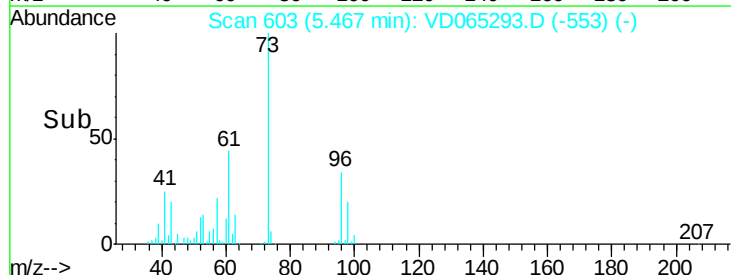
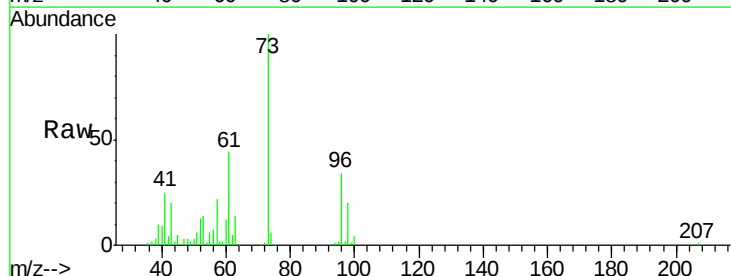
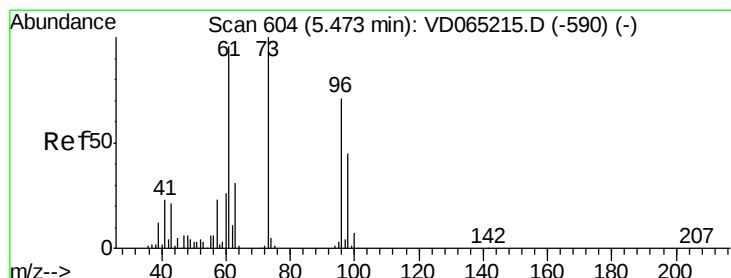
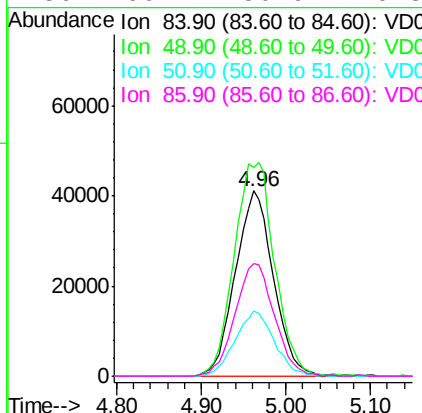
#20
Methylene Chloride
Concen: 127.889 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tot Ion	84	Resp	128621
Ion Ratio	Lower	Upper	
84	100		
49	112.4	103.1	154.7
51	35.4	31.7	47.5
86	60.7	50.9	76.3

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

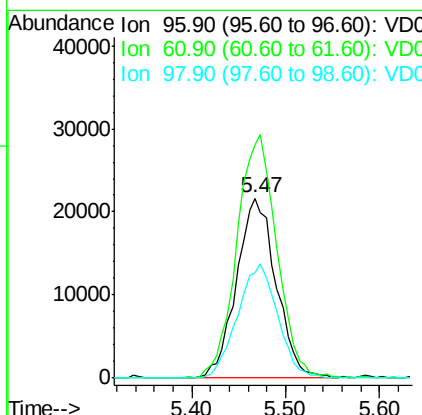
Manual Integrations
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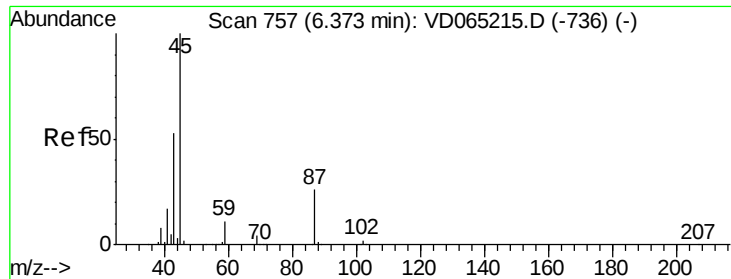
MMDadoda
2/25/2020 5:15:45 PM



#21
trans-1,2-Dichloroethene
Concen: 55.081 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	96	Resp	63189
Ion Ratio	Lower	Upper	
96	100		
61	129.3	108.3	162.5
98	58.7	50.7	76.1





#22

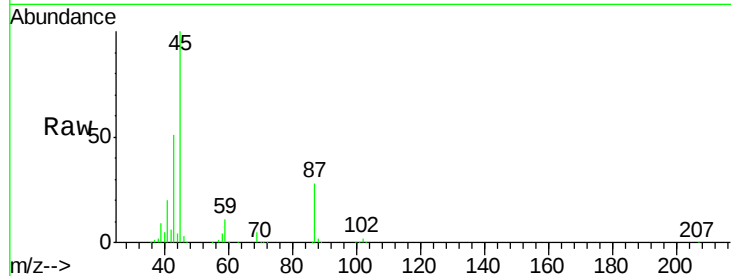
Diisopropyl ether
Concen: 101.494 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	51.3	42.6	64.0	
87	27.8	21.2	31.8	
59	11.2	8.9	13.3	

Manual Integrations
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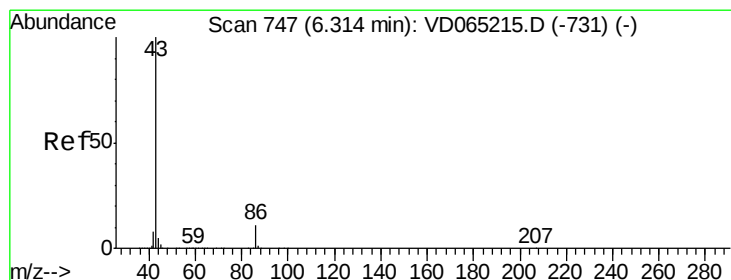
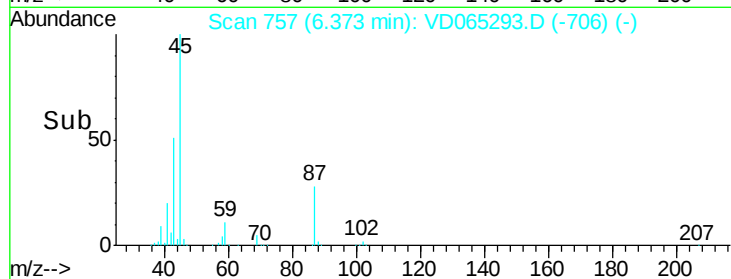
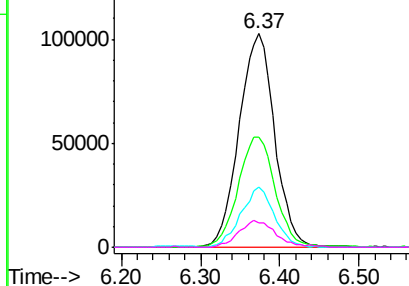
Abundance

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

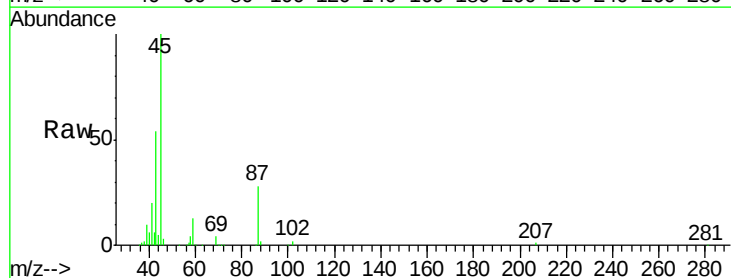
Ion 59.00 (58.70 to 59.70): VDC



#23

Vinyl Acetate
Concen: 99.196 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.05 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

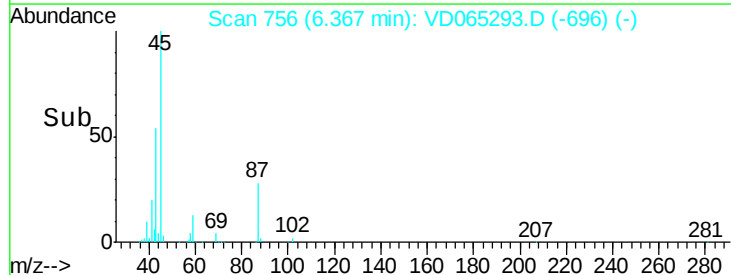
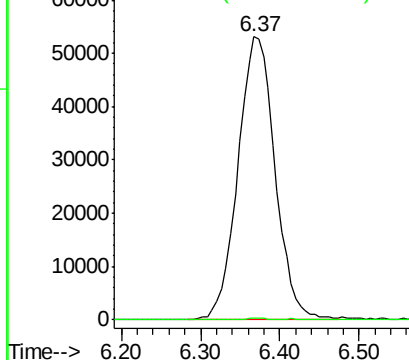
Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	0.5	8.6	12.8#	

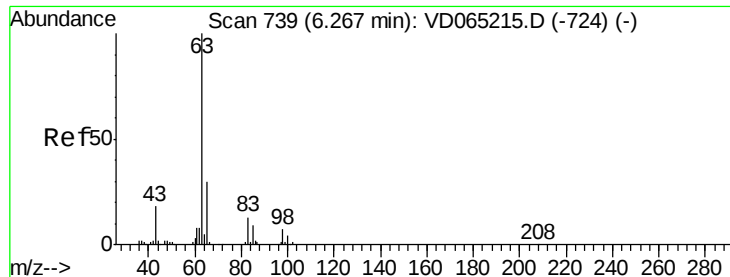


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





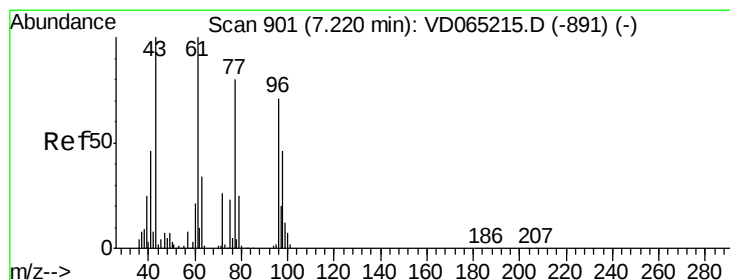
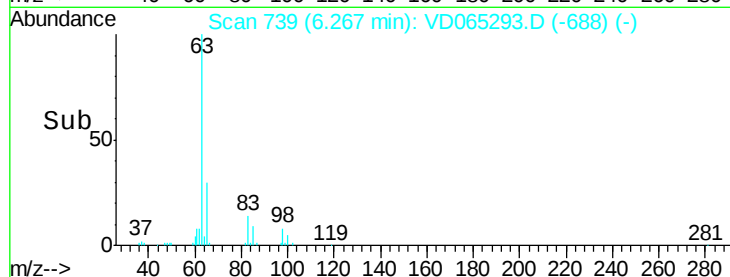
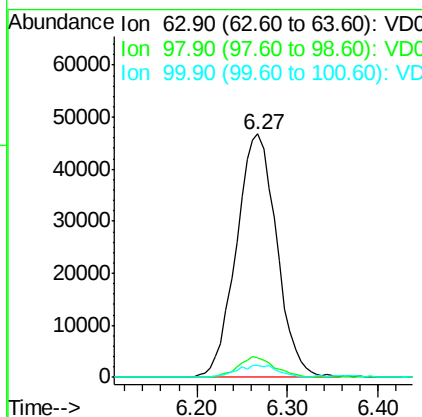
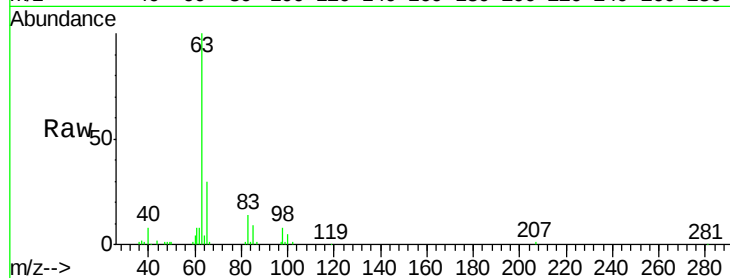
#24
 1,1-Dichloroethane
 Concen: 73.676 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	8.1	3.4	10.1
100	5.0	2.3	6.8

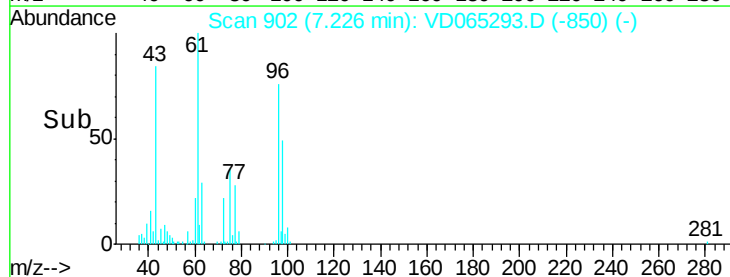
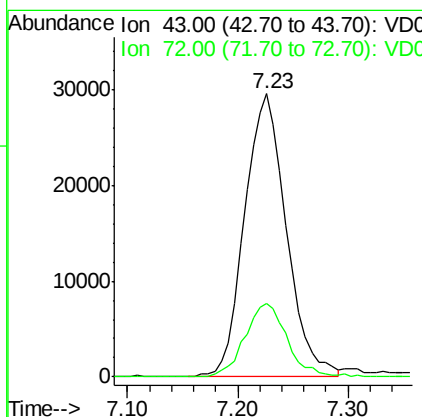
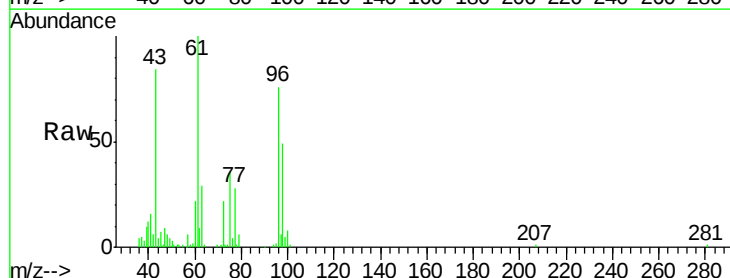
Manual Integrations
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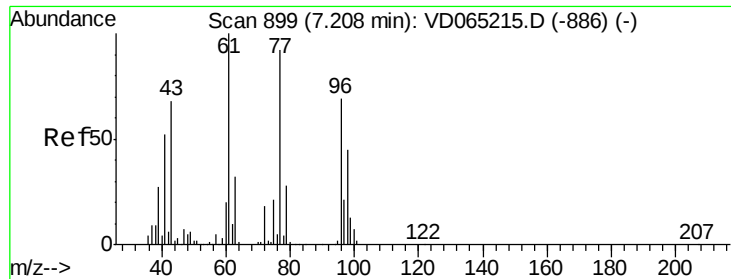
MMDadoda
 2/25/2020 5:15:45 PM



#25
 2-Butanone
 Concen: 258.968 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	26.1	20.9	31.3





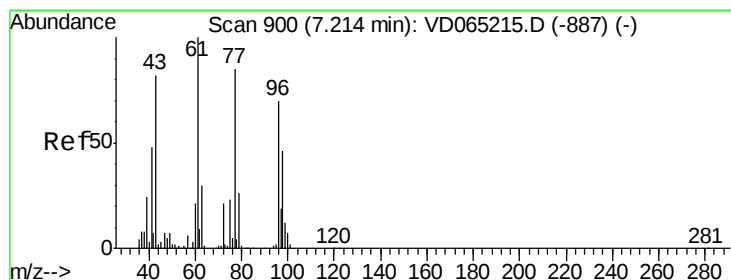
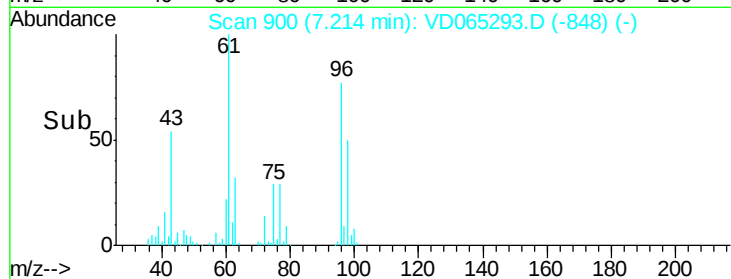
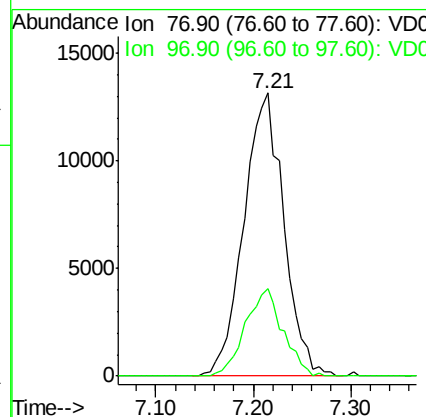
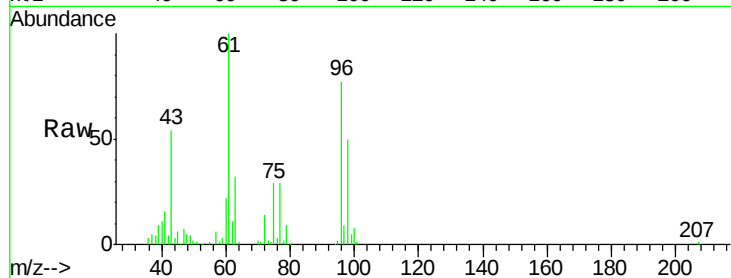
#26
 2,2-Dichloropropane
 Concen: 22.060 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
77	100		
97	29.1	11.7	35.1

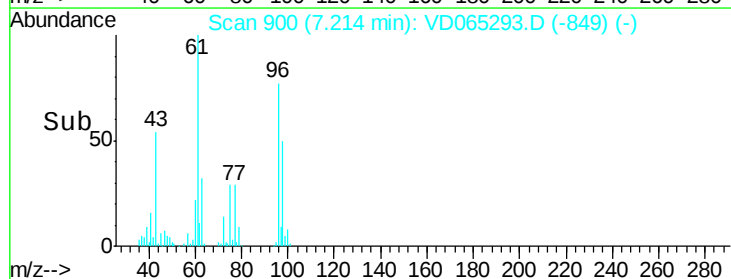
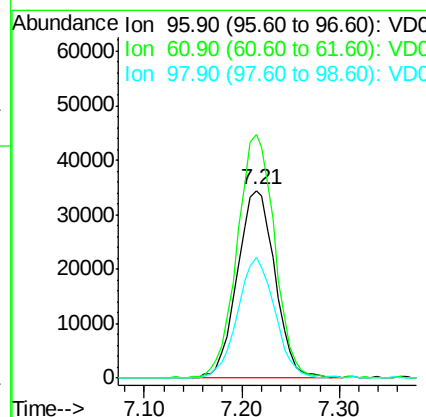
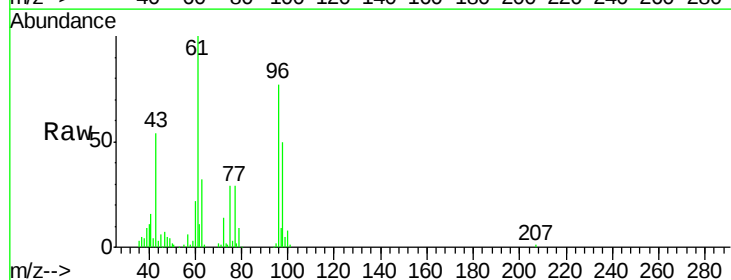
Manual Integrations
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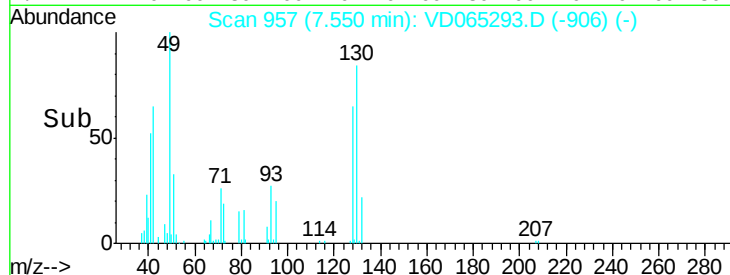
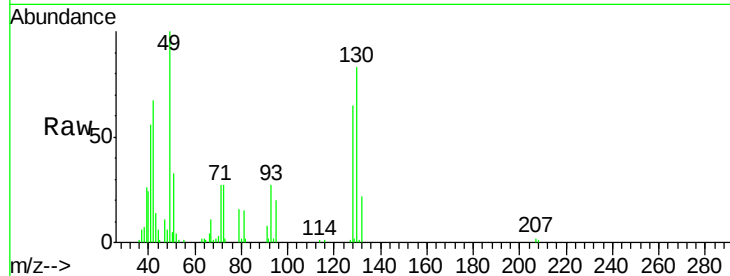
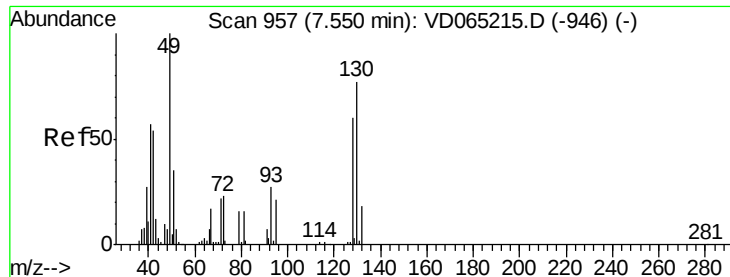
MMDadoda
 2/25/2020 5:15:45 PM



#27
 cis-1,2-Dichloroethene
 Concen: 76.696 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	286.0
98	63.2	0.0	127.8





#28

Bromochloromethane

Concen: 120.340 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065293.D

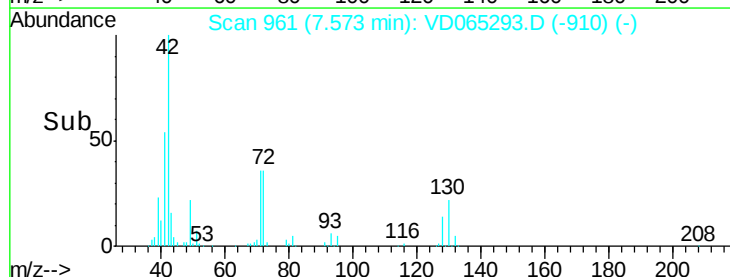
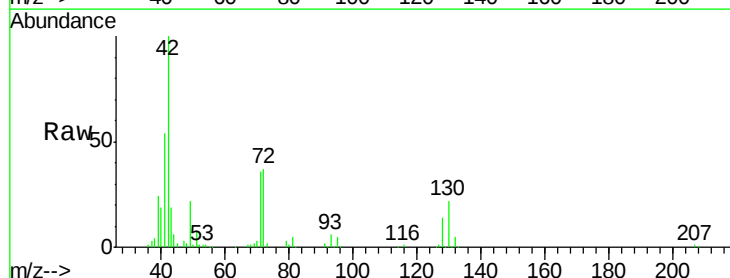
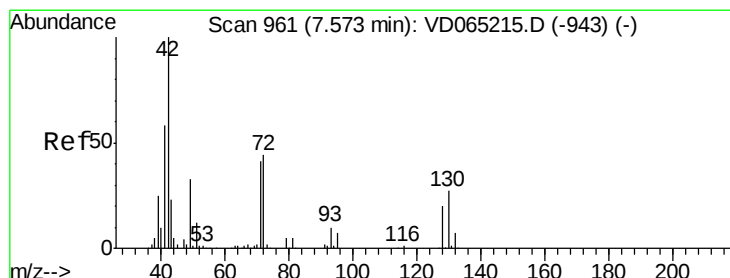
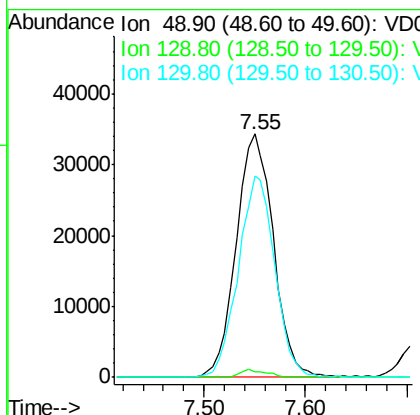
Acq: 24 Feb 2020 14:31

Tot Ion:	49	Resp:	87482
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.6
130	81.3	64.7	97.1

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Manual Integrations
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2/25/2020 5:15:45 PM



#29

Tetrahydrofuran

Concen: 788.178 ug/l

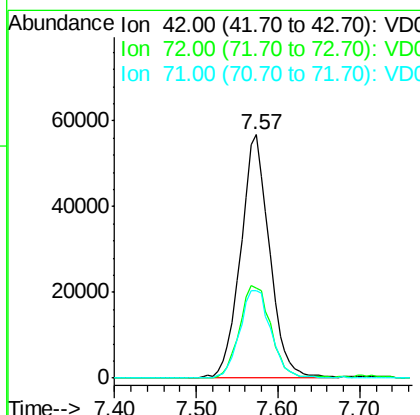
RT: 7.57 min Scan# 961

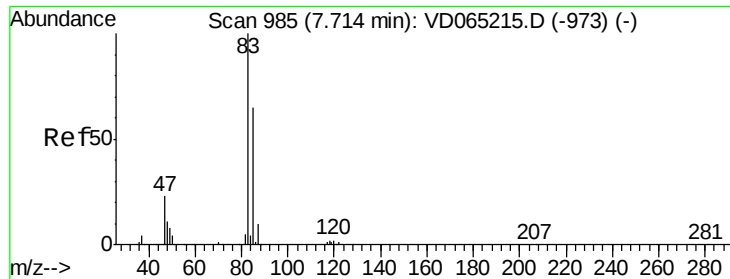
Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion:	42	Resp:	139852
Ion Ratio	Lower	Upper	
42	100		
72	41.3	33.7	50.5
71	39.2	31.4	47.2





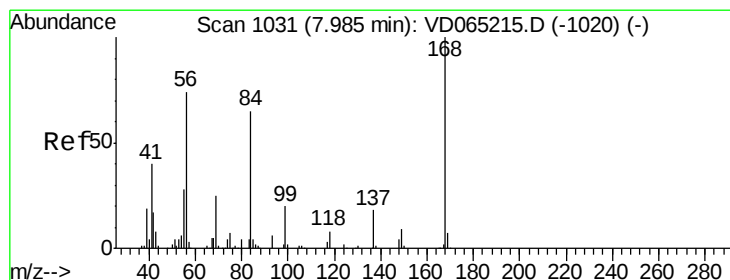
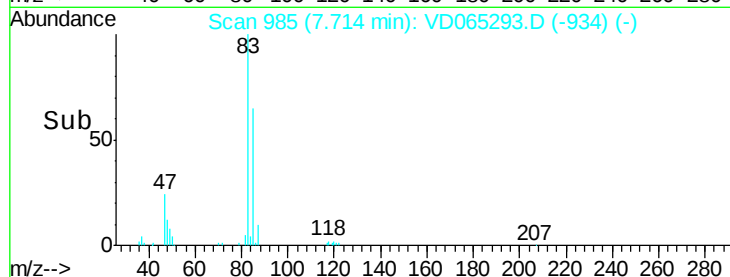
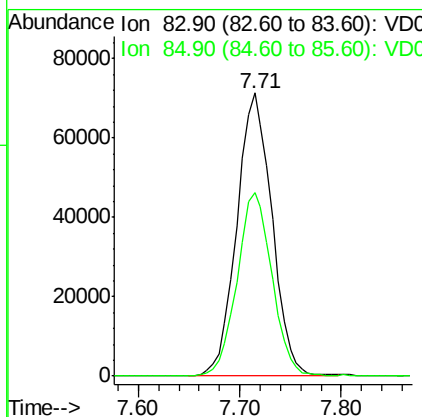
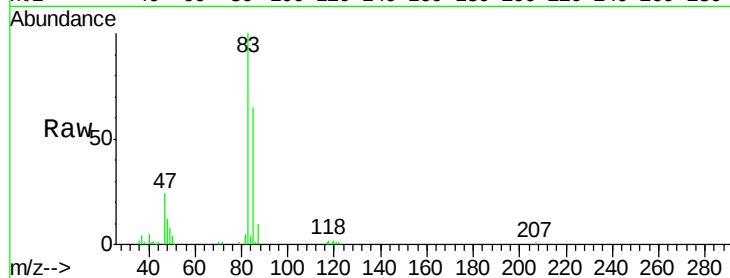
#30
Chloroform
Concen: 86.932 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5

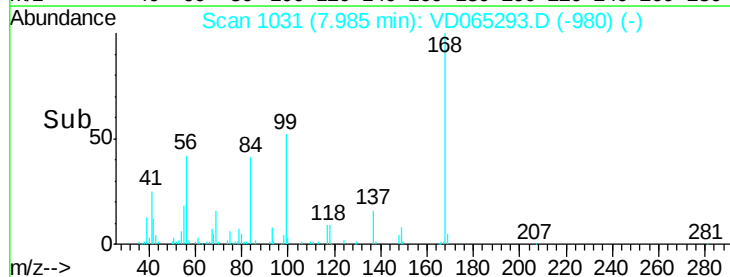
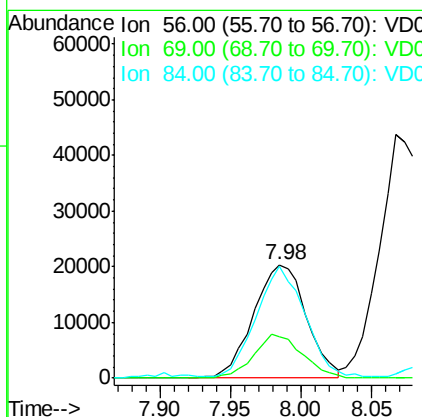
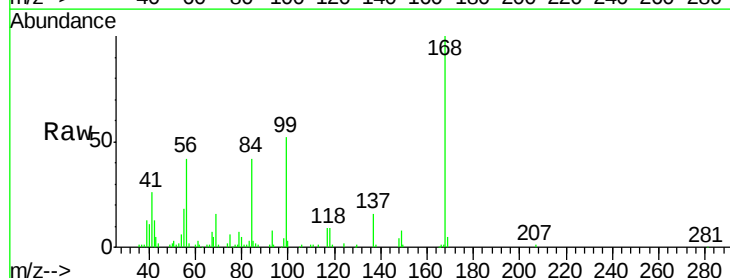
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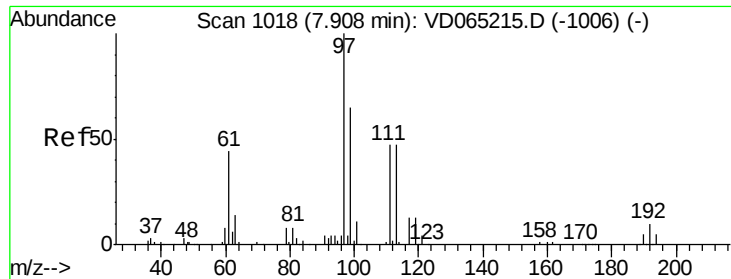
MMDadoda
2/25/2020 5:15:45 PM



#31
Cyclohexane
Concen: 27.649 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.9	27.4	41.0
84	95.7	71.1	106.7





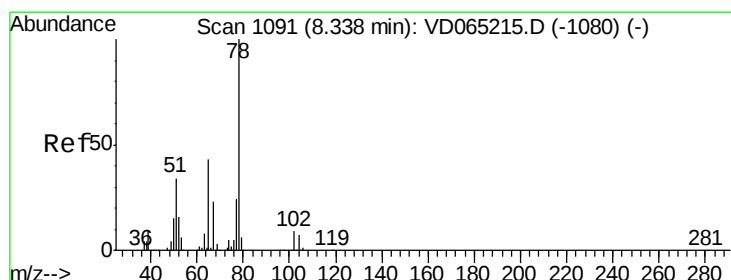
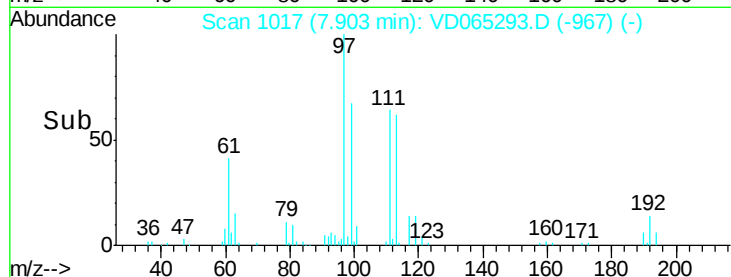
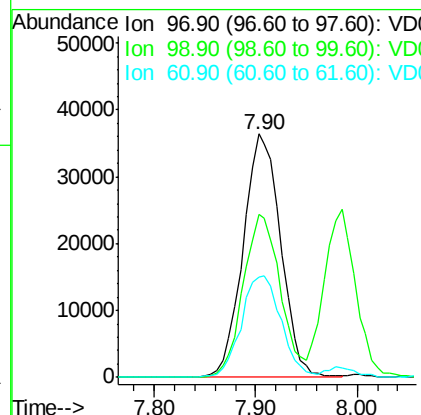
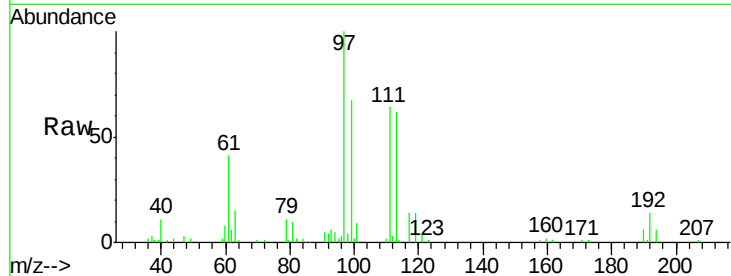
#32
 1,1,1-Trichloroethane
 Concen: 52.881 ug/l
 RT: 7.90 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.4	77.2
61	44.2	34.8	52.2

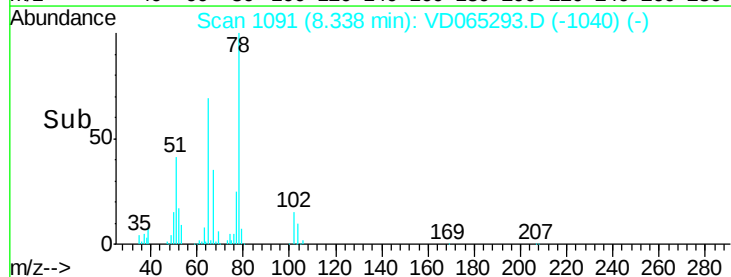
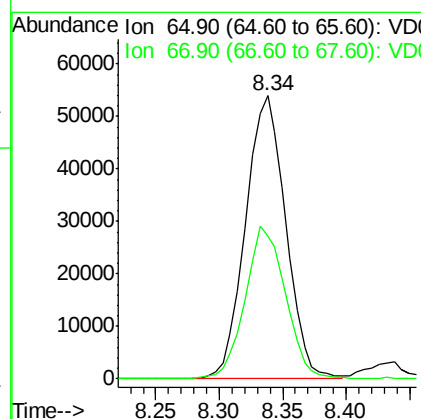
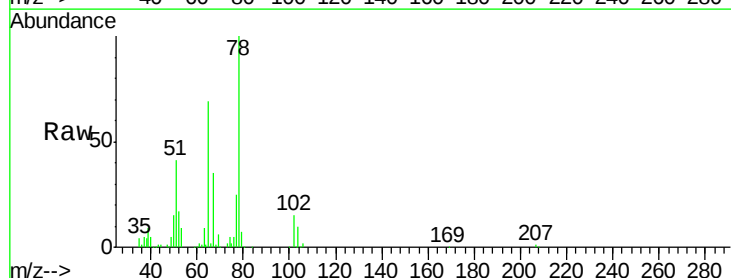
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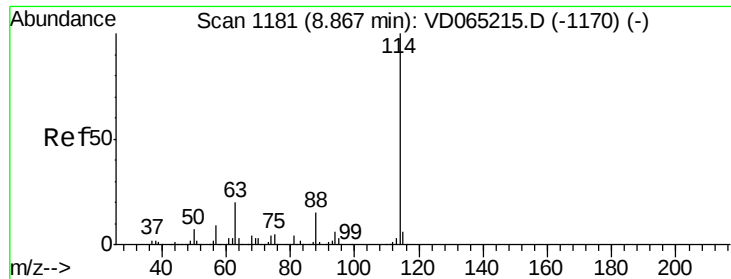
MMDadoda
 2/25/2020 5:15:45 PM



#33
 1,2-Dichloroethane-d4
 Concen: 121.551 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.8





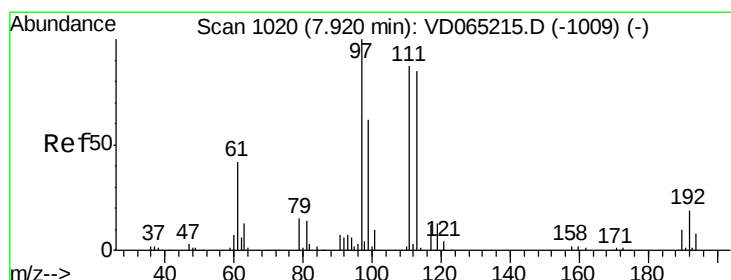
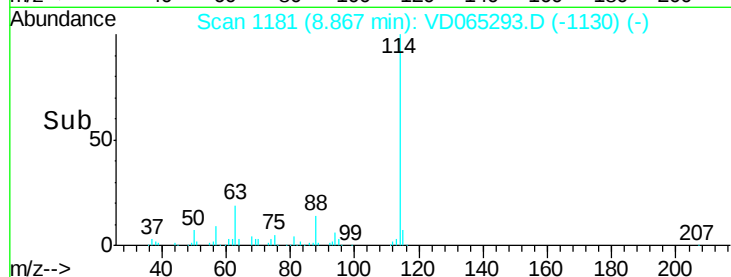
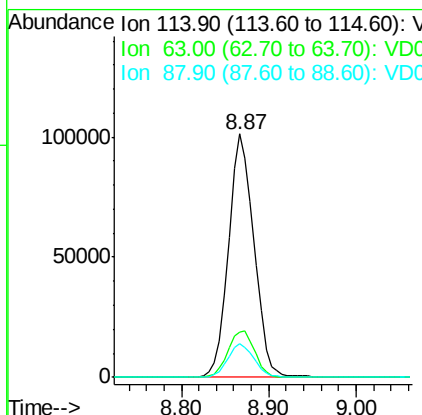
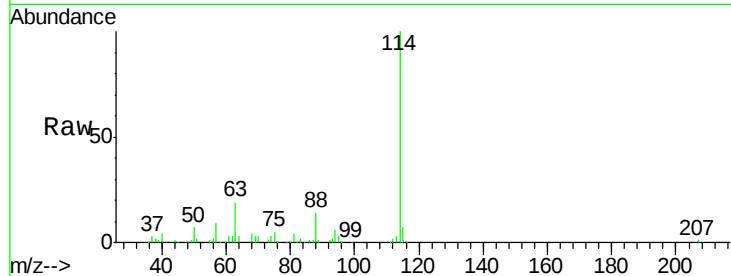
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.8	0.0	39.4
88	13.6	0.0	30.4

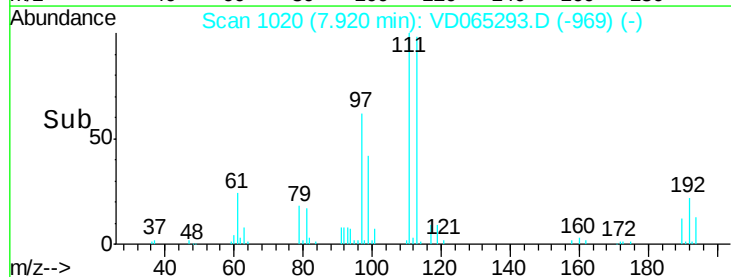
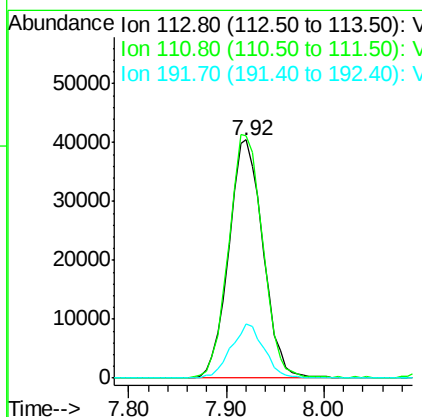
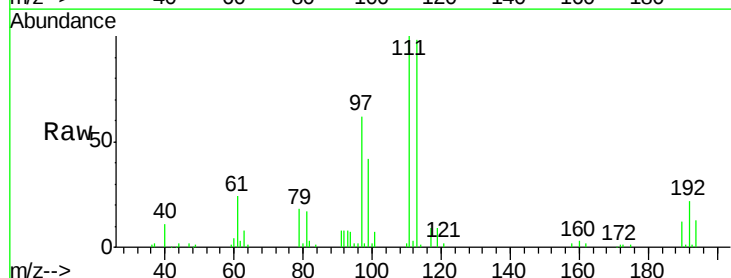
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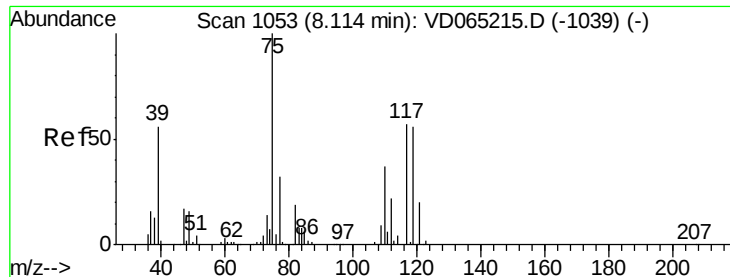
MMDadoda
 2/25/2020 5:15:45 PM



#35
 Dibromofluoromethane
 Concen: 80.745 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.9	82.9	124.3
192	21.8	17.3	25.9





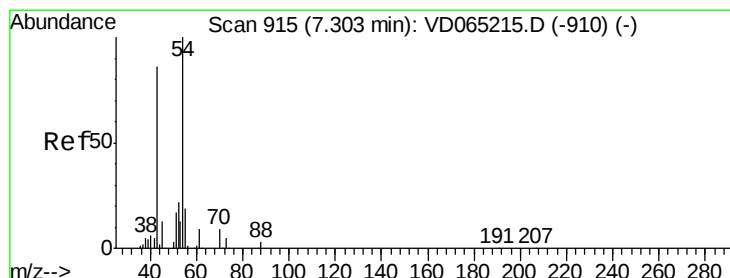
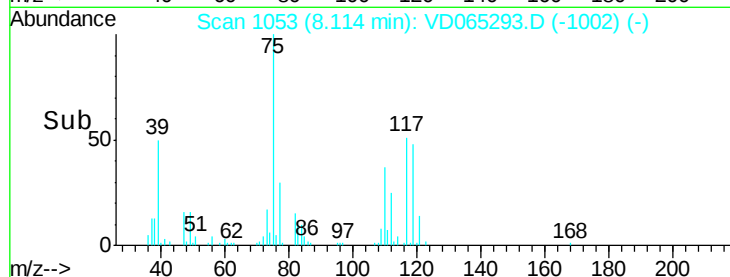
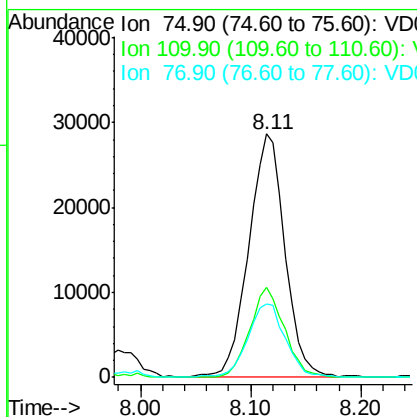
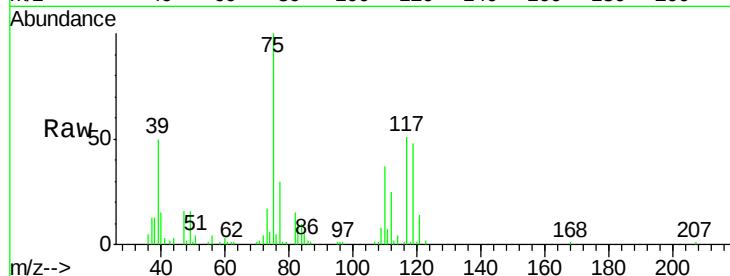
#36
 1,1-Dichloropropene
 Concen: 33.772 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.9	53.7
77	31.5	25.1	37.7

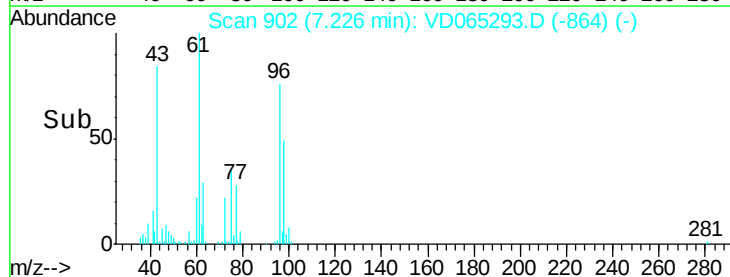
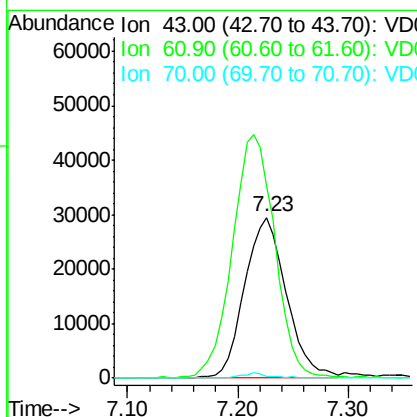
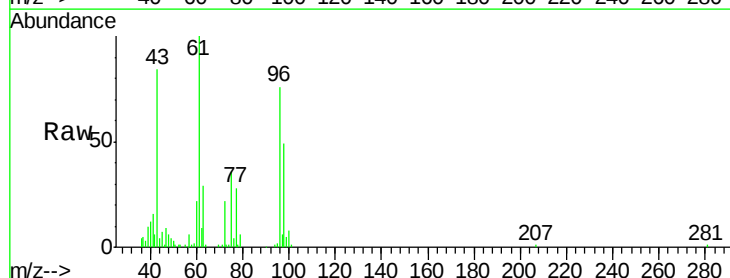
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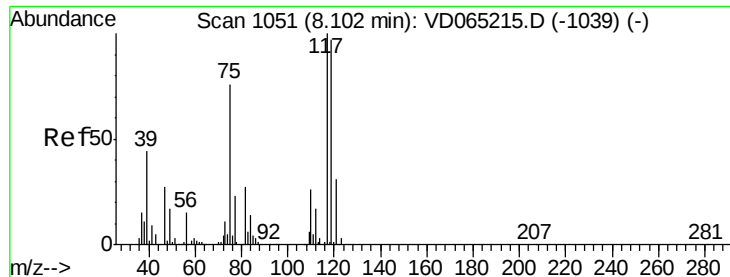
MMDadoda
 2/25/2020 5:15:45 PM



#37
 Ethyl Acetate
 Concen: 96.142 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.08 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	153.3	11.2	16.8#
70	2.1	8.2	12.2#





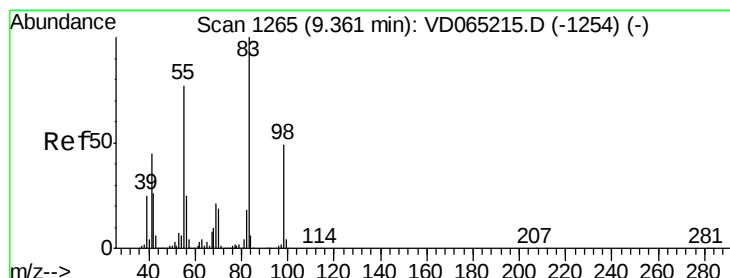
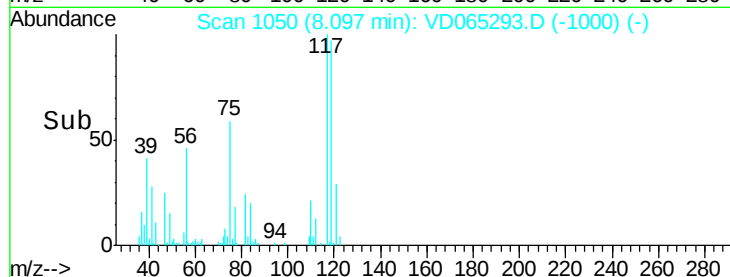
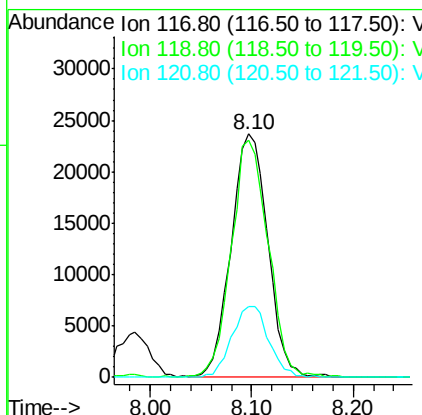
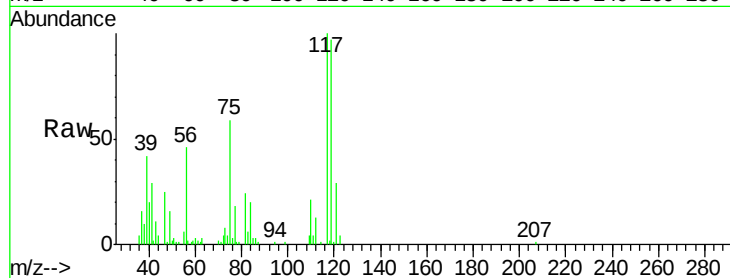
#38
Carbon Tetrachloride
Concen: 29.969 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.6	116.4
121	29.3	24.8	37.2

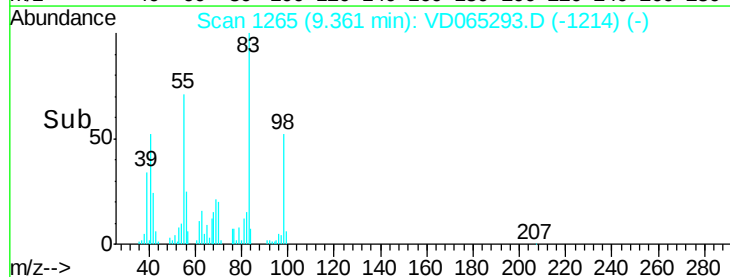
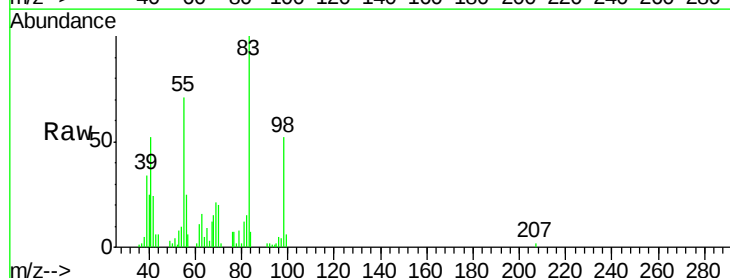
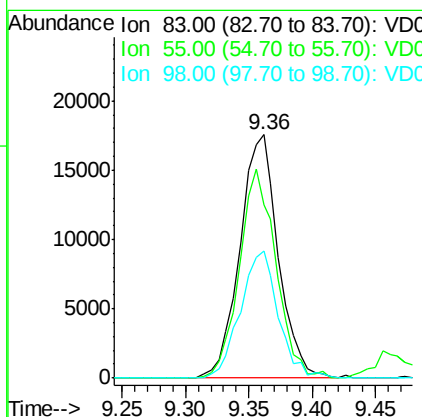
Manual Integrations
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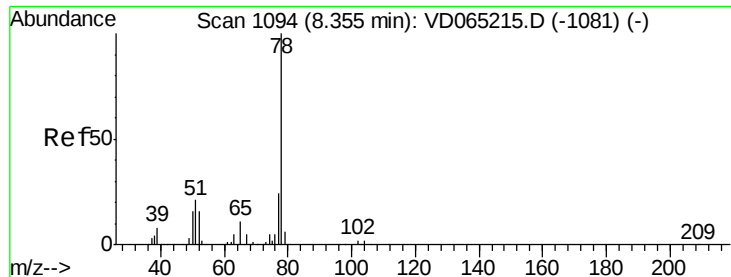
MMDadoda
2/25/2020 5:15:45 PM



#39
Methylcyclohexane
Concen: 16.099 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.4	61.8	92.6
98	52.3	39.4	59.0





#40

Benzene

Concen: 56.841 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion: 78 Resp: 313057

Ion Ratio Lower Upper

78 100

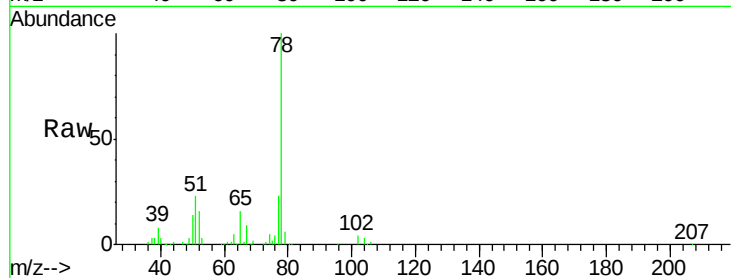
77 22.6 19.0 28.6

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

8.36

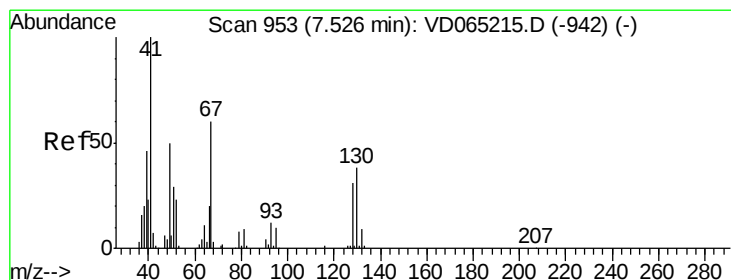
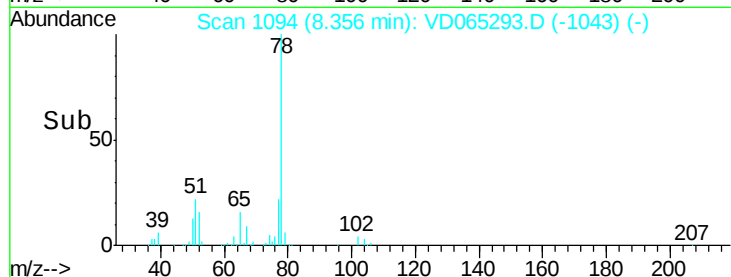
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 39.515 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion: 41 Resp: 18611

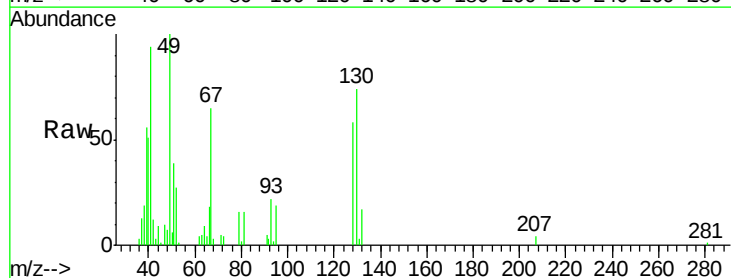
Ion Ratio Lower Upper

41 100

39 270.5 48.1 72.1#

67 0.0 58.9 88.3#

52 0.0 24.2 36.2#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

40000

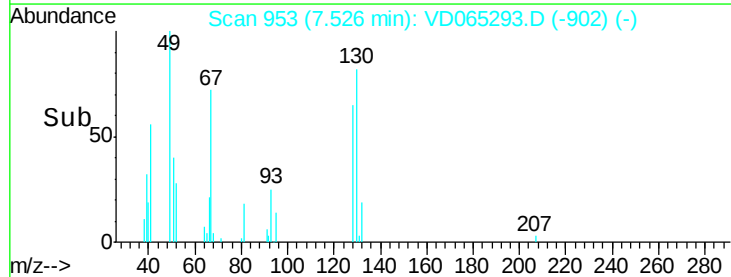
30000

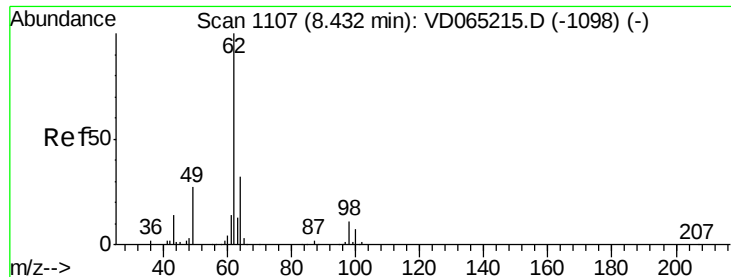
20000

10000

0

Time-->





#42

1,2-Dichloroethane

Concen: 94.049 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion: 62 Resp: 142401

Ion Ratio Lower Upper

62 100

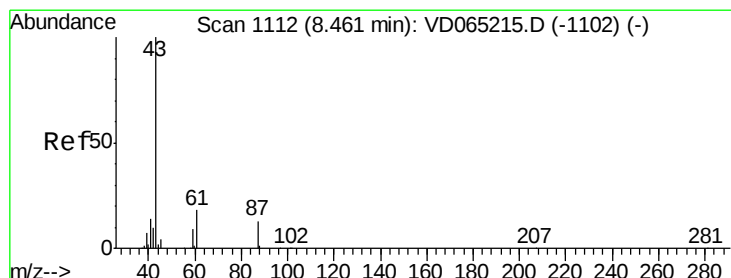
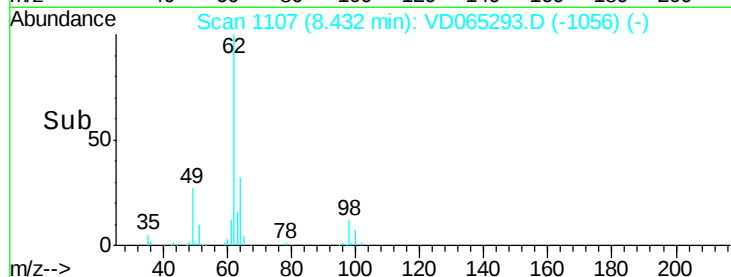
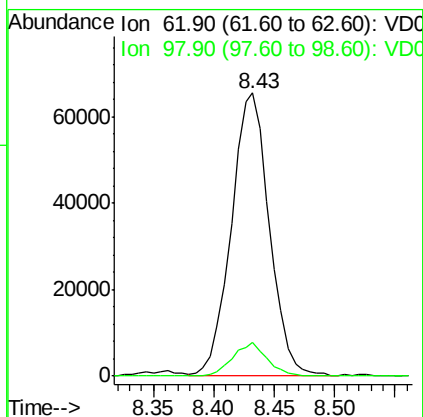
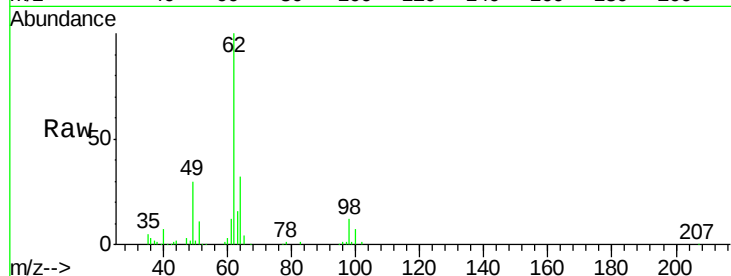
98 10.7 0.0 20.6

Manual Integrations

APPROVED

MMDadoda

2/25/2020 5:15:45 PM



#43

Isopropyl Acetate

Concen: 3.851 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

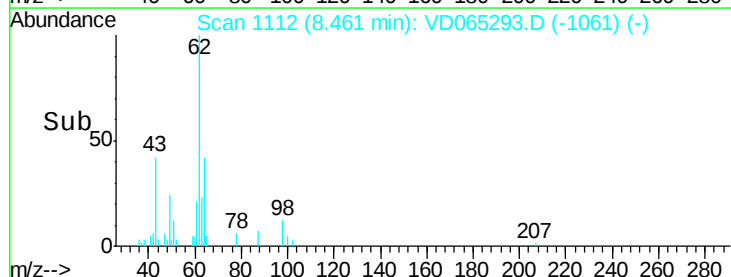
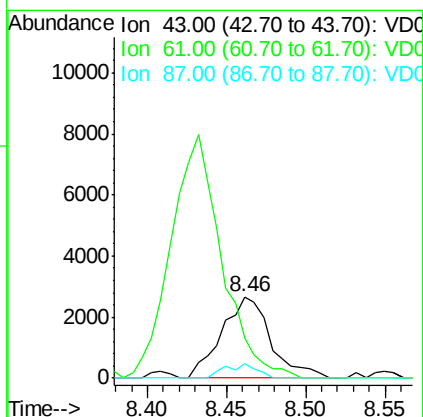
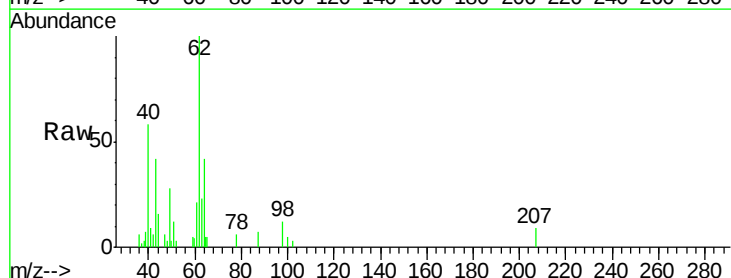
Tgt Ion: 43 Resp: 5713

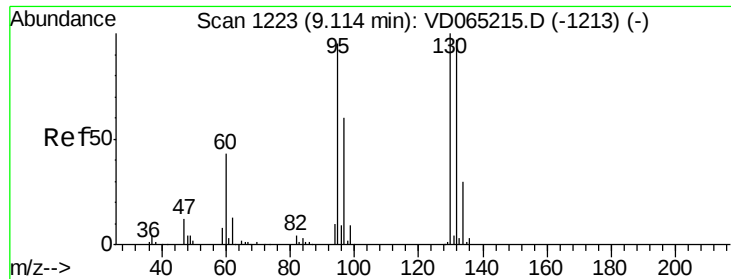
Ion Ratio Lower Upper

43 100

61 0.0 24.6 36.8#

87 11.3 10.6 16.0





#44

Trichloroethene

Concen: 44.962 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion:130 Resp: 68643

Ion Ratio Lower Upper

130 100

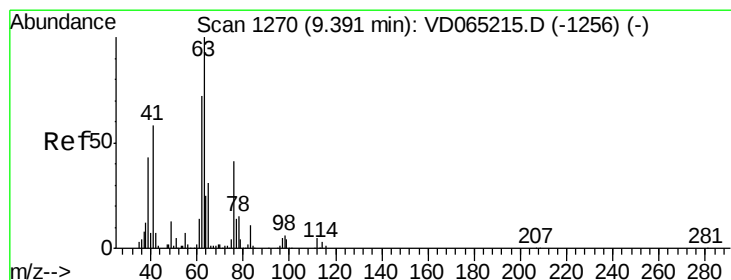
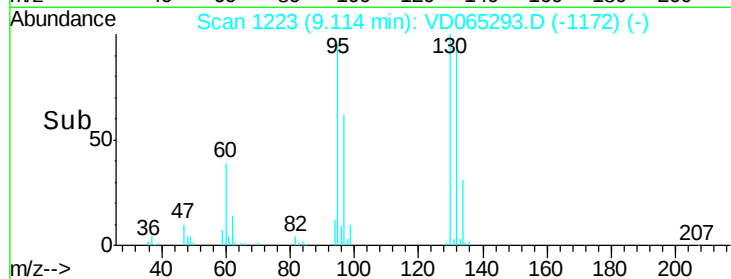
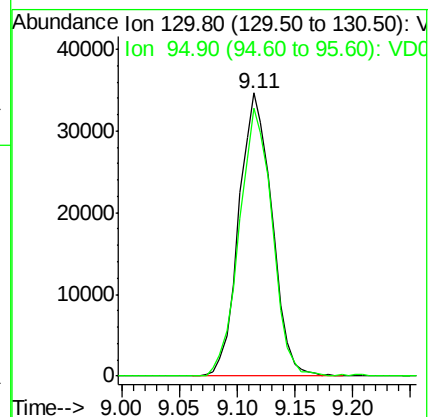
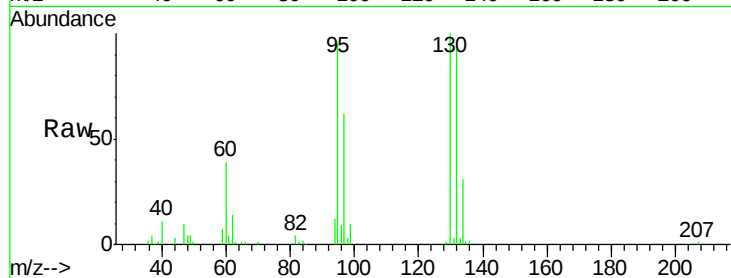
95 94.9 0.0 190.6

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#45

1,2-Dichloropropane

Concen: 75.186 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065293.D

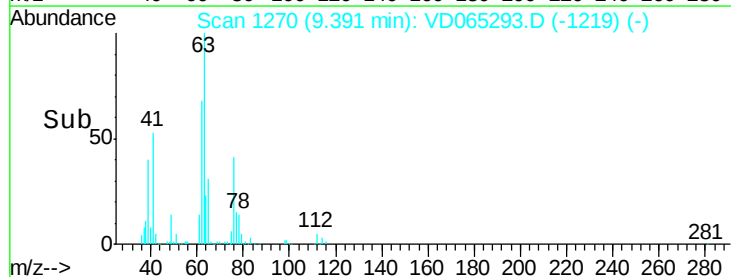
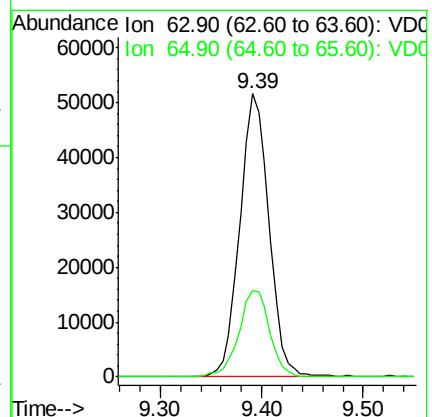
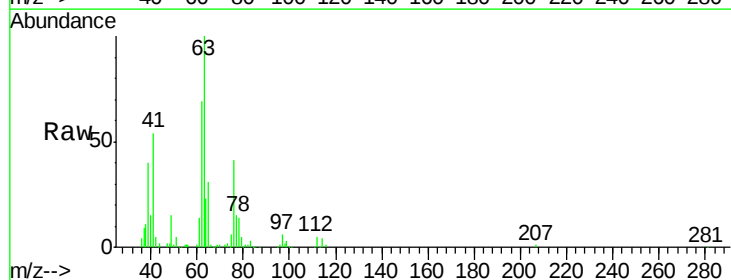
Acq: 24 Feb 2020 14:31

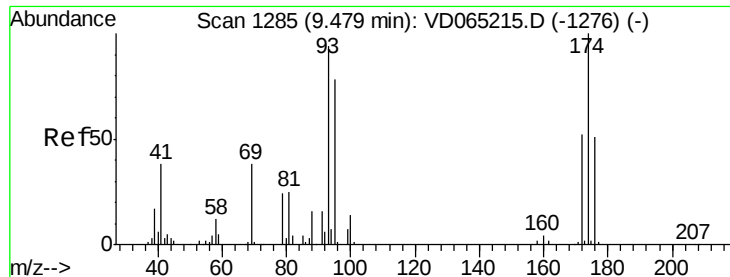
Tgt Ion: 63 Resp: 102968

Ion Ratio Lower Upper

63 100

65 30.5 24.9 37.3





#46

Dibromomethane

Concen: 108.603 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

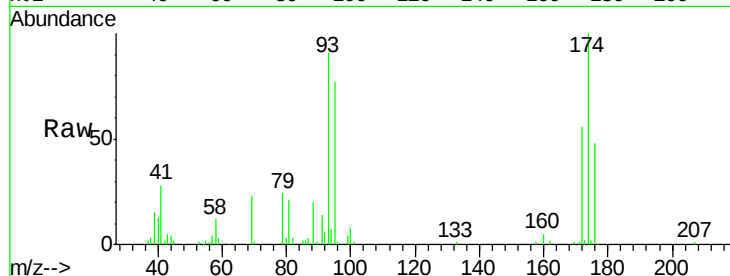
ClientSampleId :

LIED-TS001-01MS

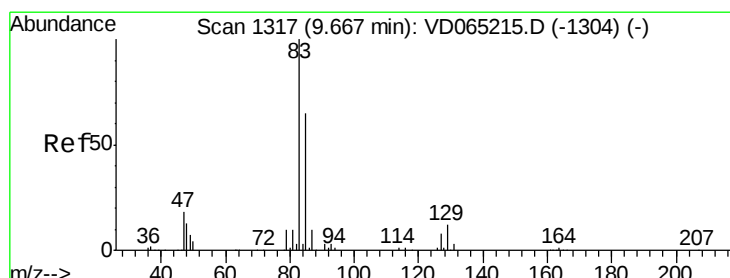
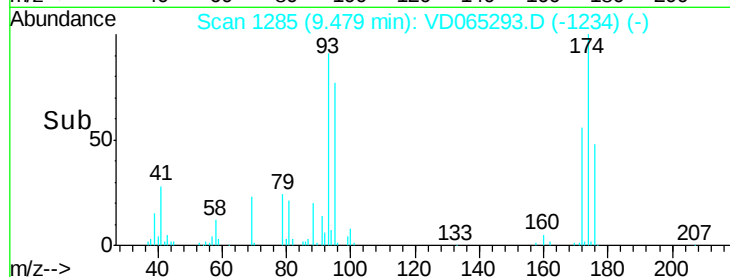
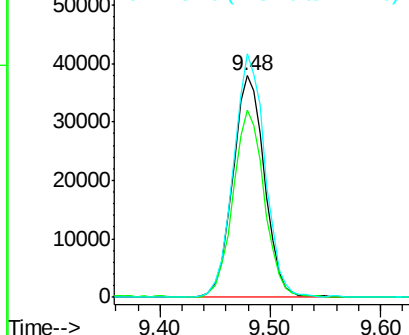
Tot Ion:	93	Resp:	76526
Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.6
174	108.6	86.8	130.2

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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



#47

Bromodichloromethane

Concen: 77.962 ug/l

RT: 9.67 min Scan# 1317

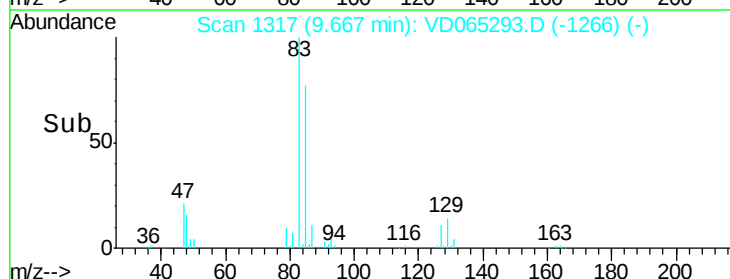
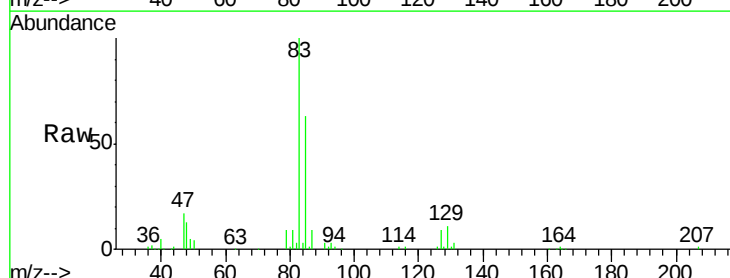
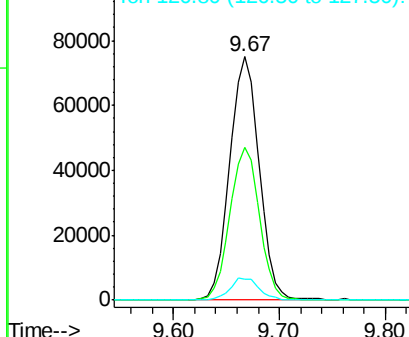
Delta R.T. 0.00 min

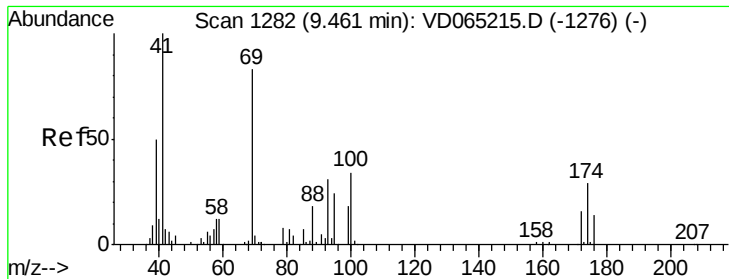
Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion:	83	Resp:	144774
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.0	78.0
127	8.8	6.7	10.1

Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V





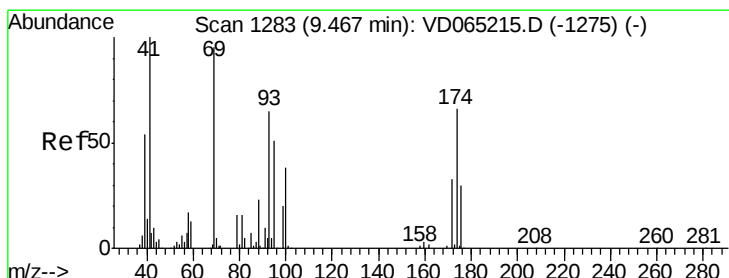
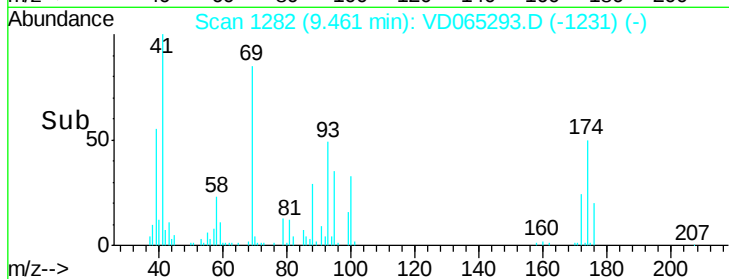
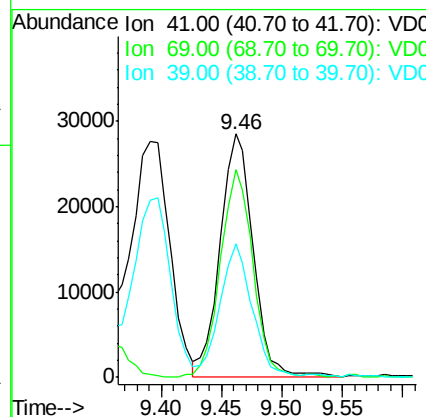
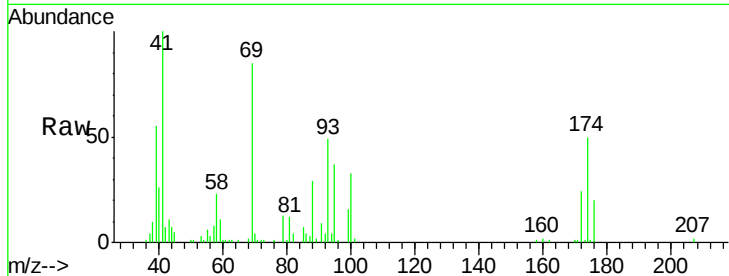
#48
Methvl methacrylate
Concen: 79.090 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
41	100		
69	83.8	68.2	102.2
39	51.9	42.0	63.0

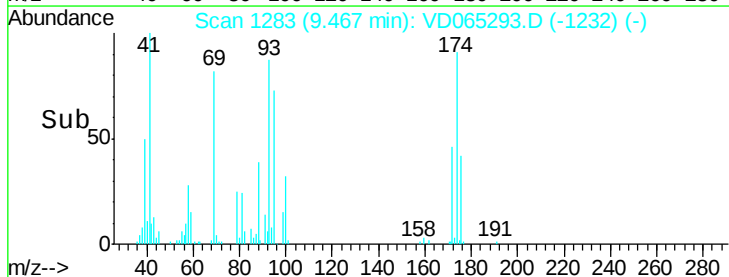
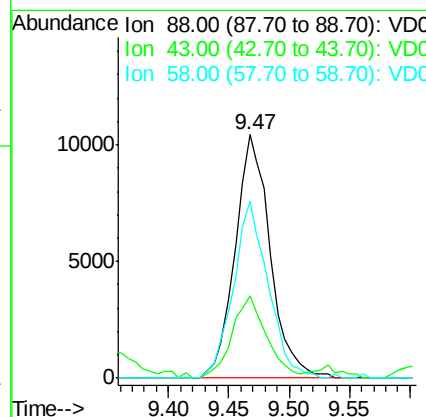
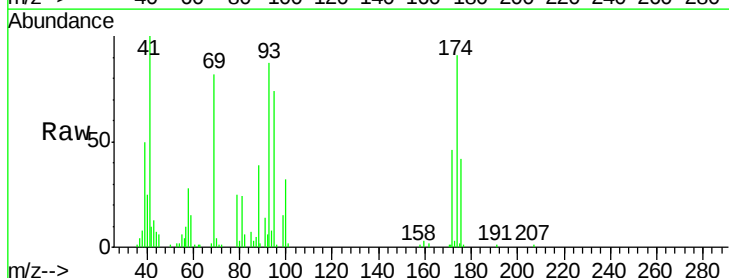
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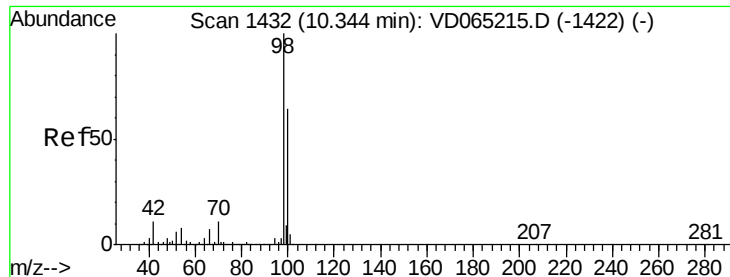
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#49
1,4-Dioxane
Concen: 2562.323 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.1	28.5	42.7
58	71.8	58.6	87.8





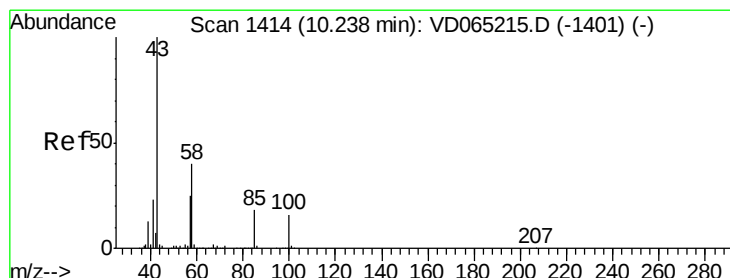
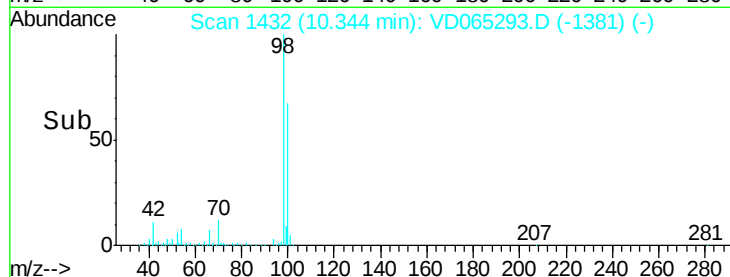
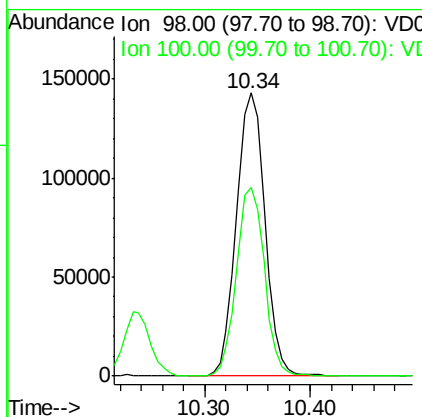
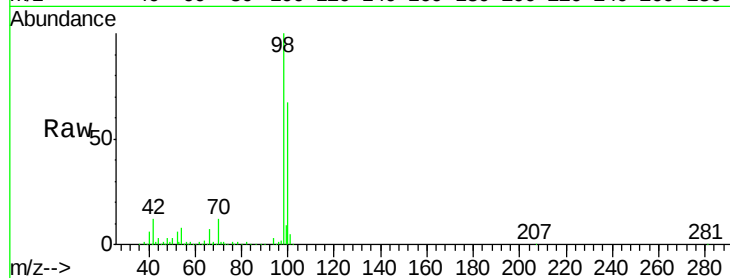
#50
Toluene-d8
Concen: 57.295 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion: 98 Resp: 267826
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

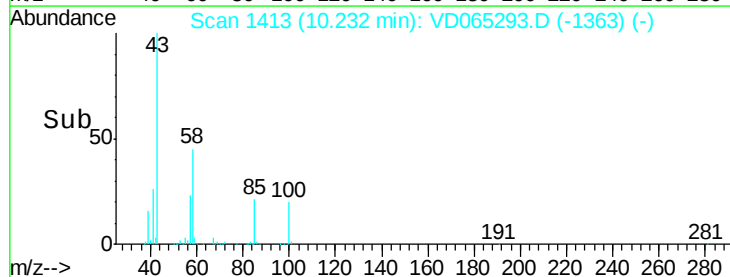
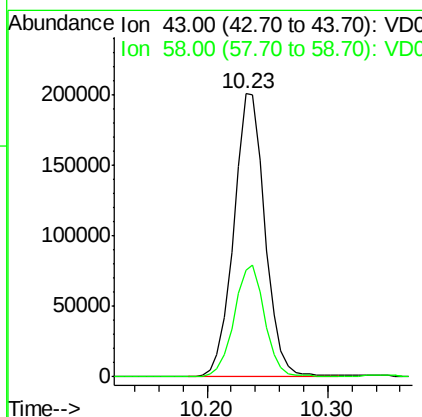
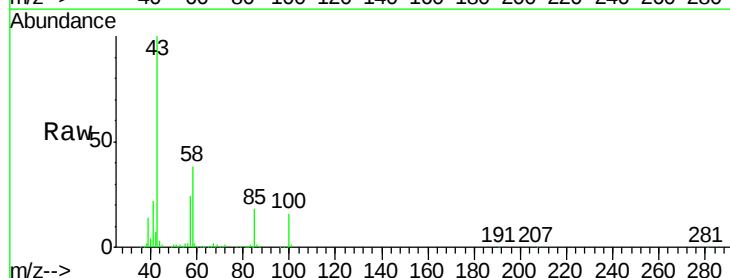
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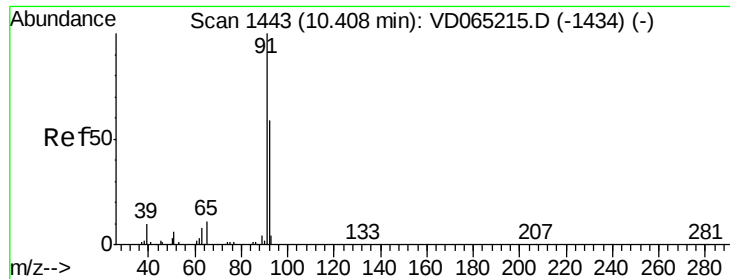
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#51
4-Methyl-2-Pentanone
Concen: 482.056 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 43 Resp: 363187
Ion Ratio Lower Upper
43 100
58 38.6 31.1 46.7





#52

Toluene

Concen: 53.872 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion: 92 Resp: 183655

Ion Ratio Lower Upper

92 100

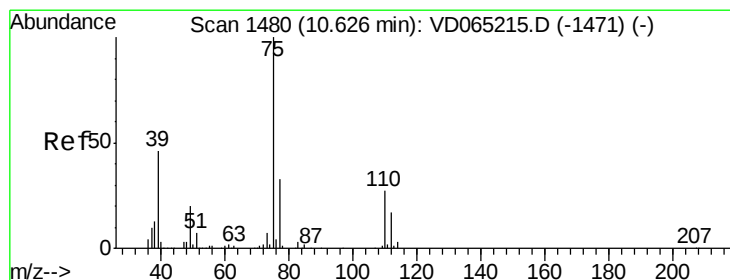
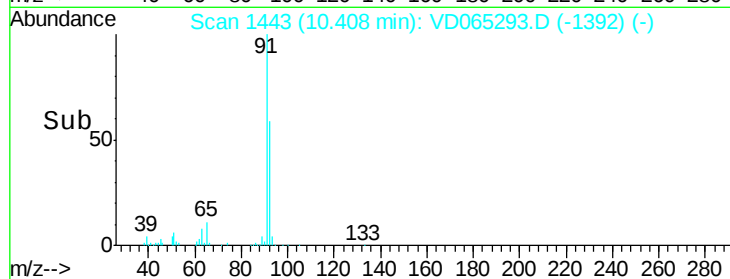
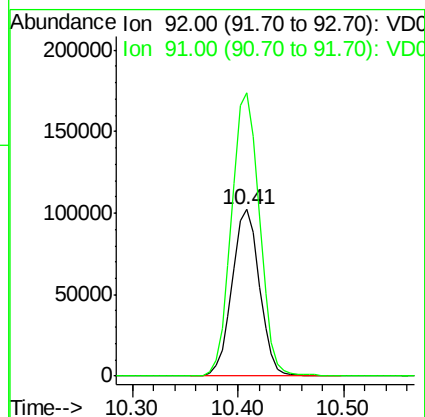
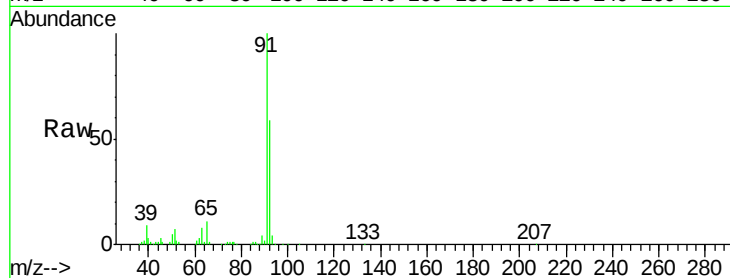
91 173.2 136.3 204.5

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#53

t-1,3-Dichloropropene

Concen: 52.618 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065293.D

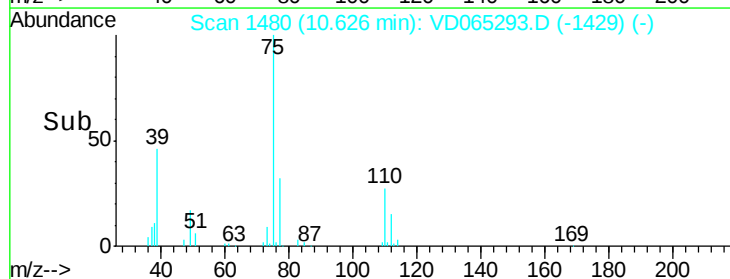
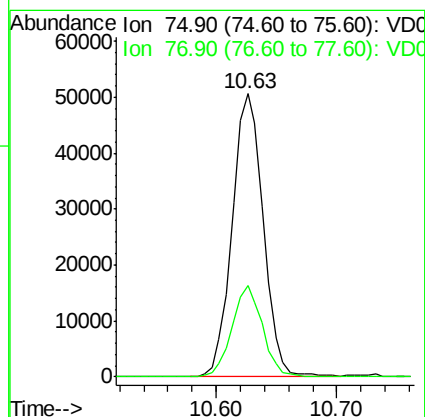
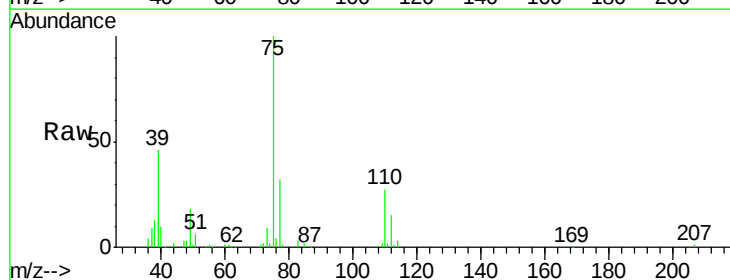
Acq: 24 Feb 2020 14:31

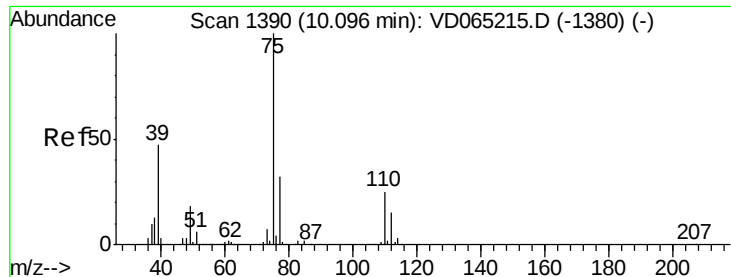
Tgt Ion: 75 Resp: 90569

Ion Ratio Lower Upper

75 100

77 32.4 26.6 40.0





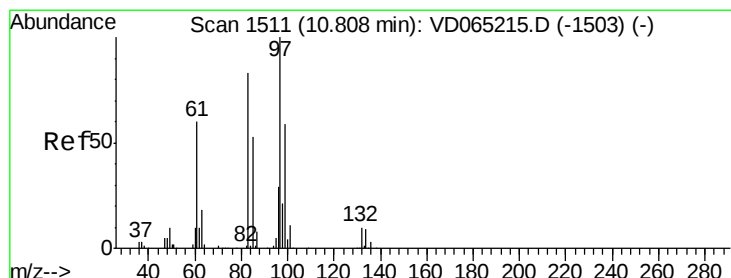
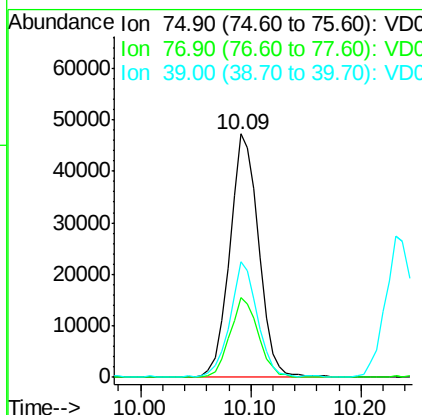
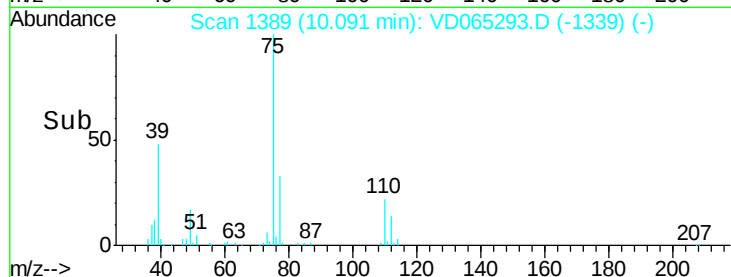
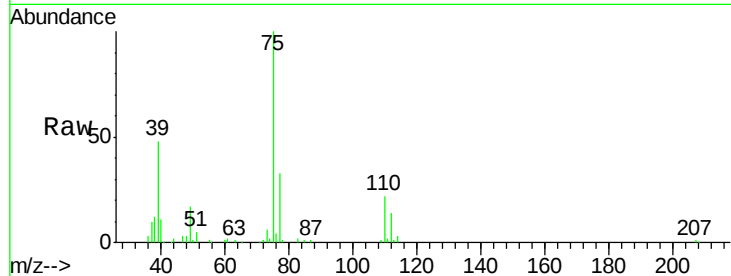
#54
 cis-1,3-Dichloropropene
 Concen: 41.796 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.8
39	47.6	37.3	55.9

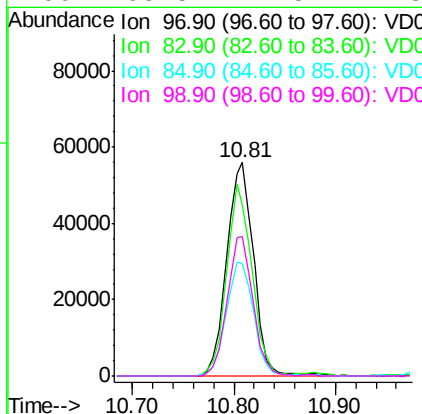
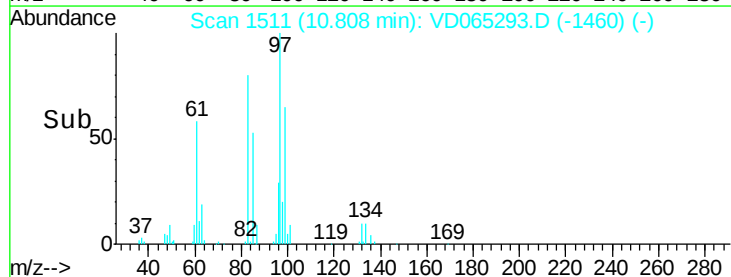
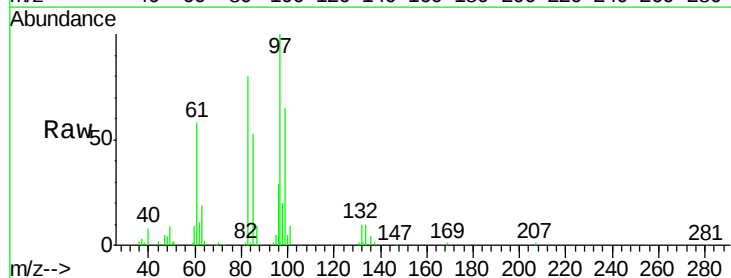
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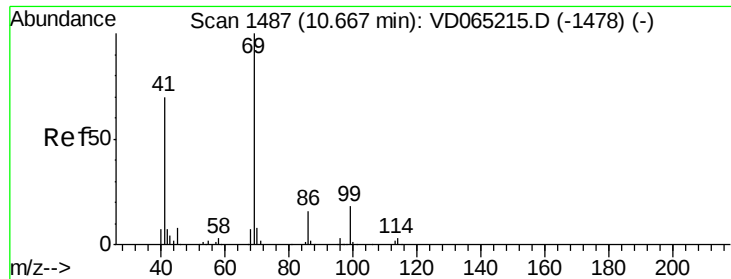
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#55
 1,1,2-Trichloroethane
 Concen: 103.406 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.7	100.1
85	52.7	42.4	63.6
99	65.5	47.5	71.3





#56

Ethyl methacrylate

Concen: 1.727 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

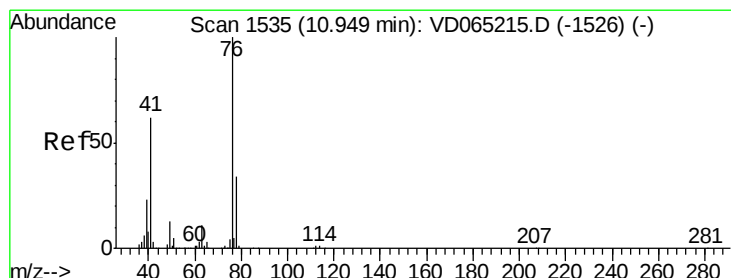
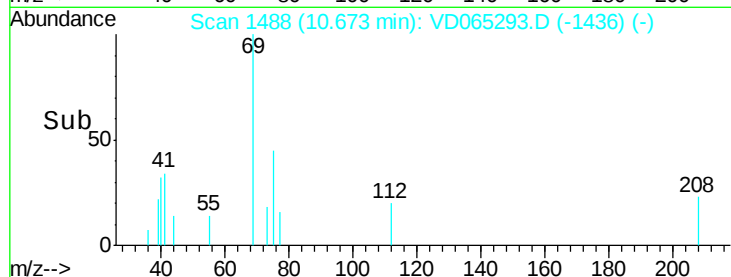
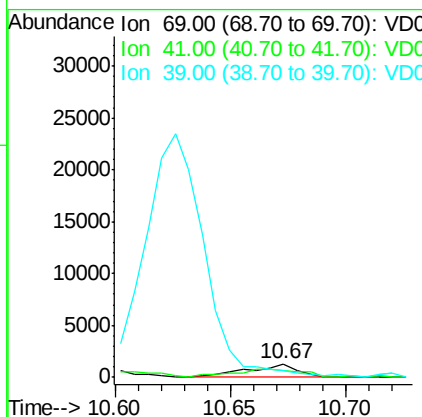
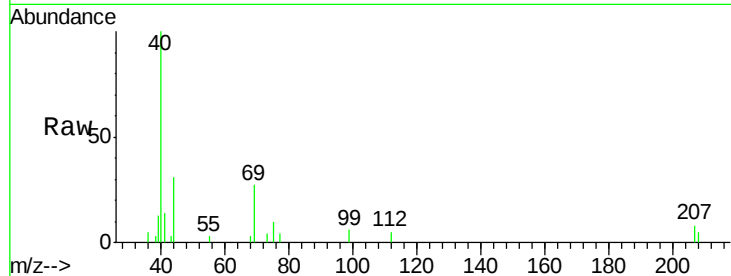
ClientSampleId :

LIED-TS001-01MS

Tot Ion:	69	Resp:	1977
Ion	Ratio	Lower	Upper
69	100		
41	84.6	54.6	81.8#
39	0.0	26.5	39.7#

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#57

1,3-Dichloropropane

Concen: 98.875 ug/l

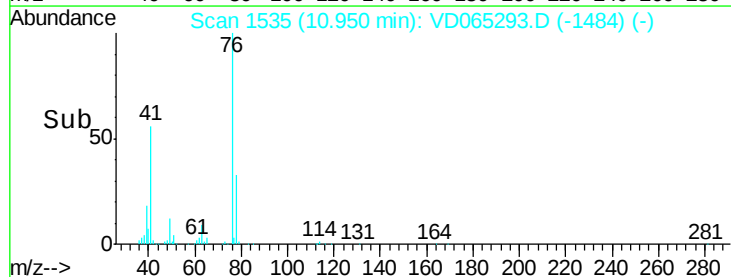
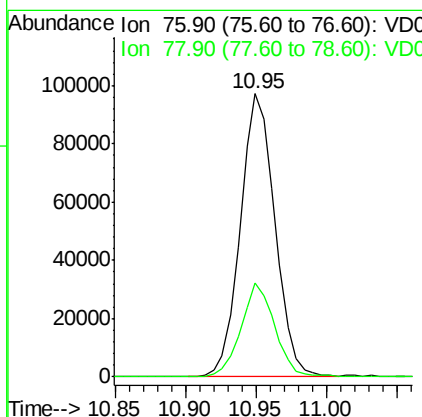
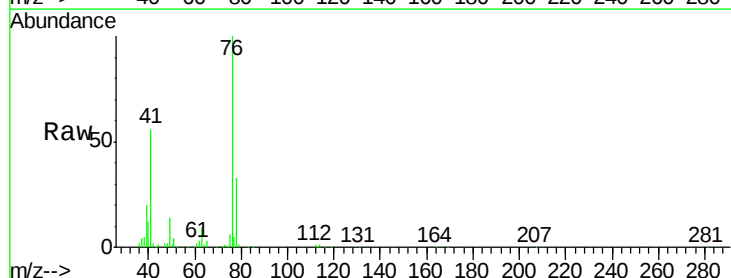
RT: 10.95 min Scan# 1535

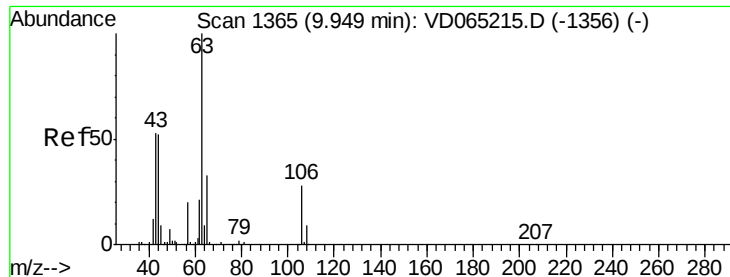
Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion:	76	Resp:	166901
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5





#58

2-Chloroethyl Vinyl ether

Concen: 368.894 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion: 63 Resp: 133135

Ion Ratio Lower Upper

63 100

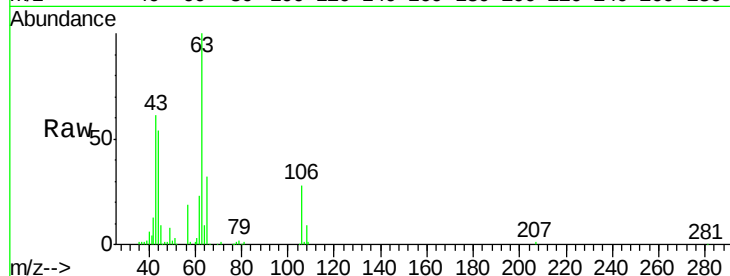
106 28.5 22.8 34.2

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

80000

60000

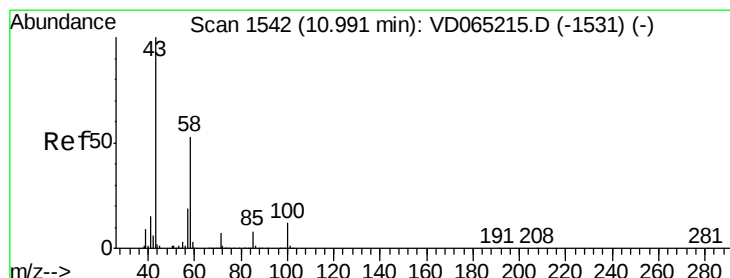
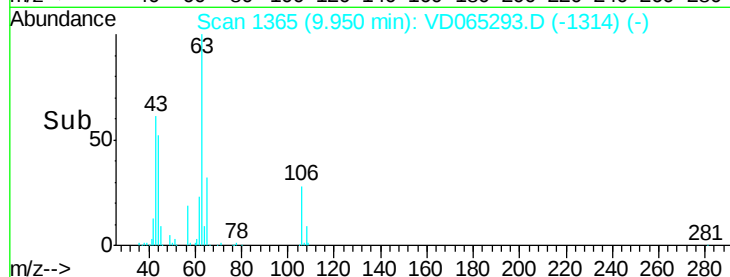
40000

20000

0

9.95

Time-->



#59

2-Hexanone

Concen: 179.260 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD065293.D

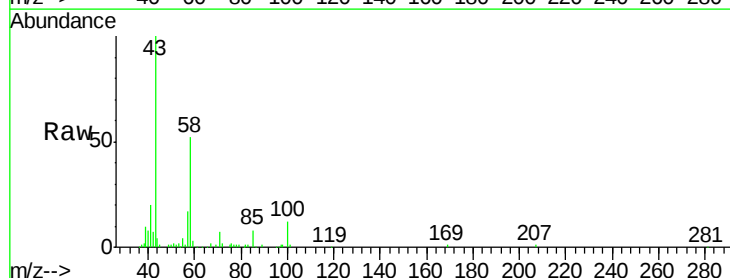
Acq: 24 Feb 2020 14:31

Tgt Ion: 43 Resp: 96679

Ion Ratio Lower Upper

43 100

58 53.1 26.3 78.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

60000

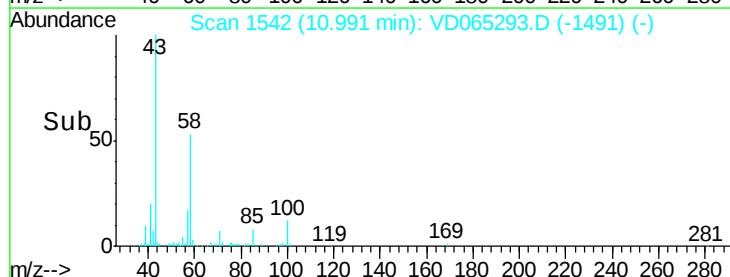
40000

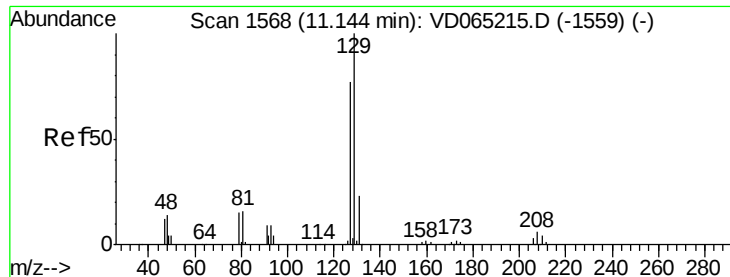
20000

0

10.99

Time-->





#60

Dibromochloromethane

Concen: 87.015 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion:129 Resp: 110458

Ion Ratio Lower Upper

129 100

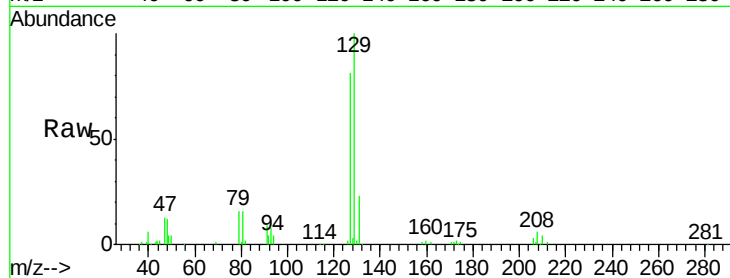
127 76.7 38.7 116.1

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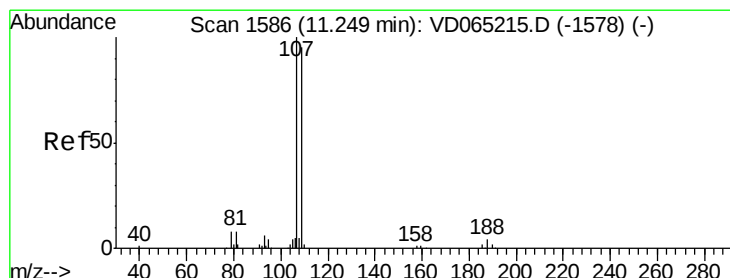
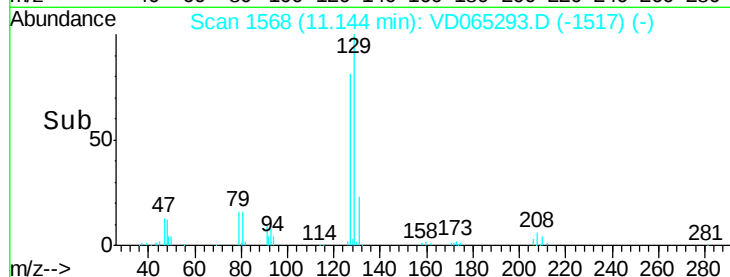
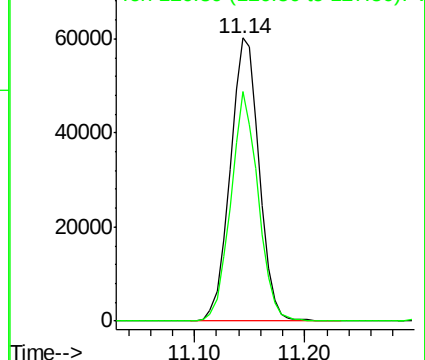
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 93.709 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065293.D

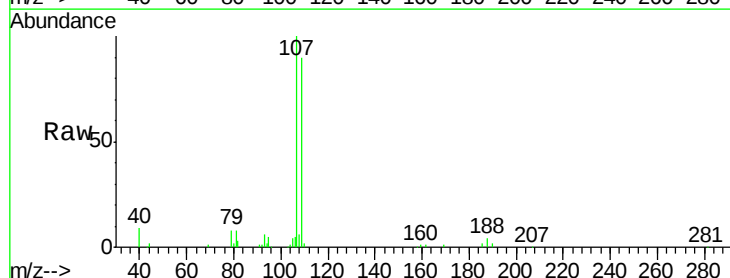
Acq: 24 Feb 2020 14:31

Tgt Ion:107 Resp: 87996

Ion Ratio Lower Upper

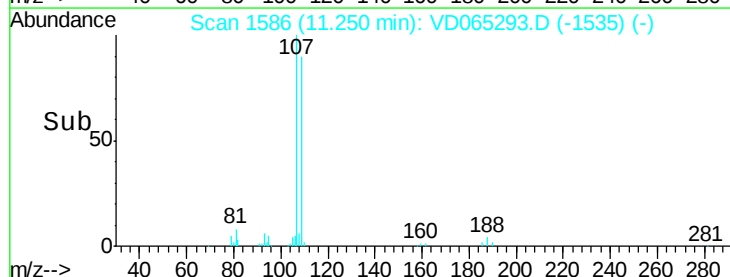
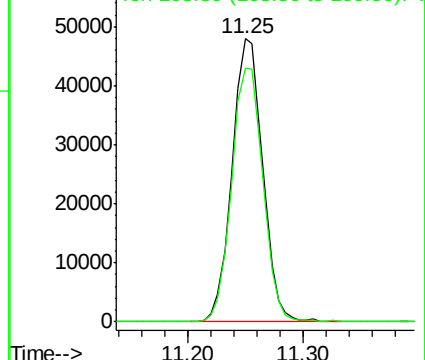
107 100

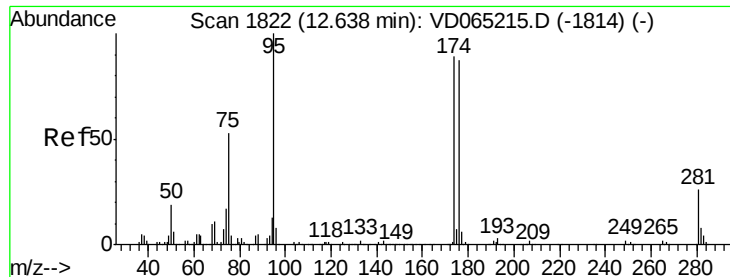
109 92.1 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





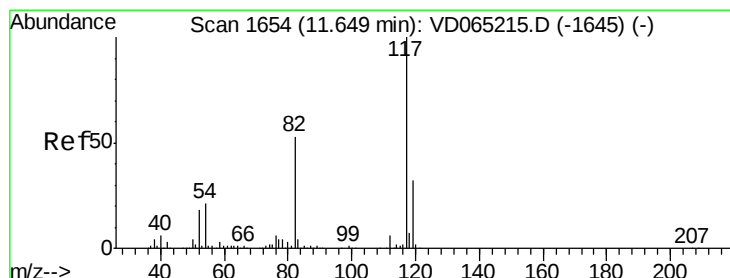
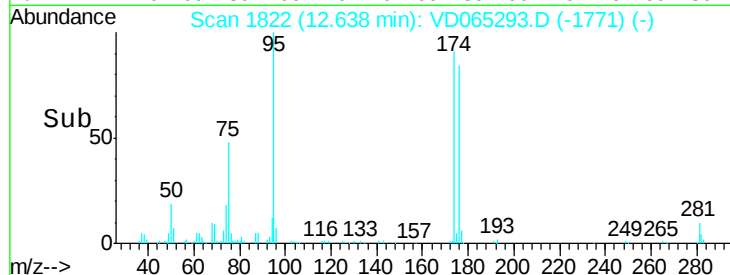
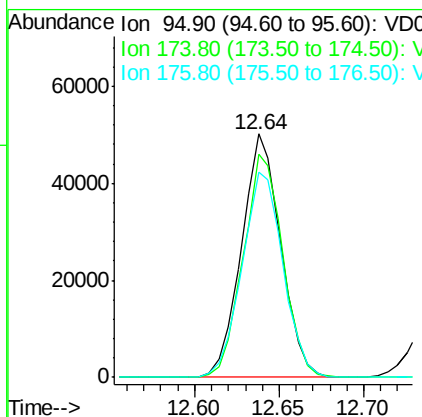
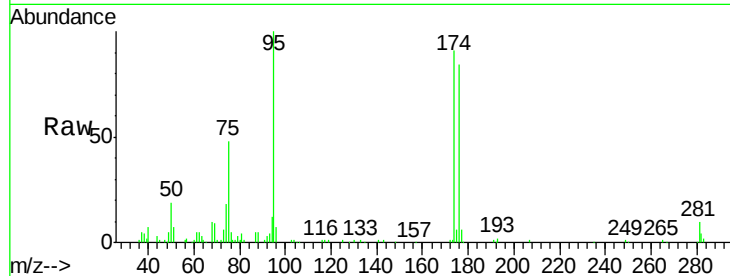
#62
4-Bromofluorobenzene
Concen: 54.643 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	80918		
174	92.5	0.0	178.0	
176	88.1	0.0	174.4	

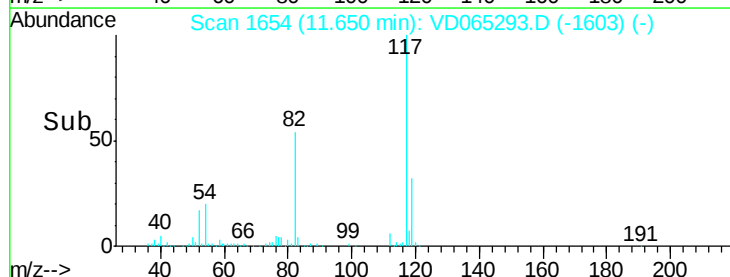
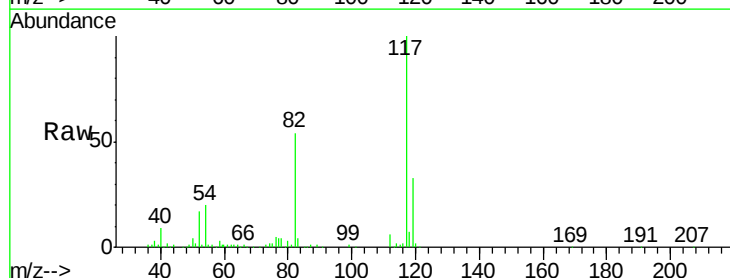
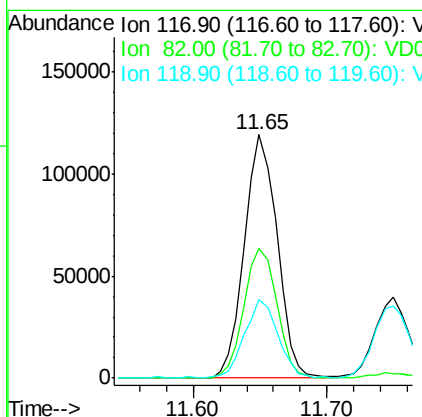
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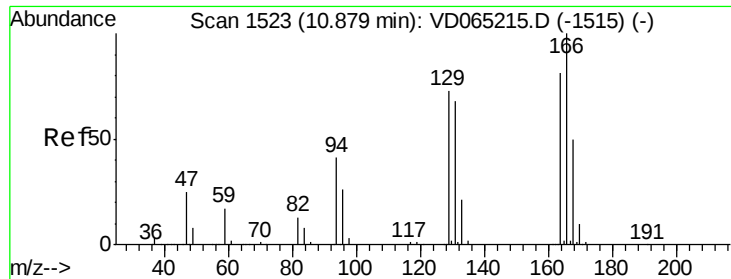
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	203389		
82	53.5	42.7	64.1	
119	32.1	25.5	38.3	





#64

Tetrachloroethene

Concen: 38.640 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS001-01MS

Tot Ion:164 Resp: 55739

Ion Ratio Lower Upper

164 100

166 134.1 98.4 147.6

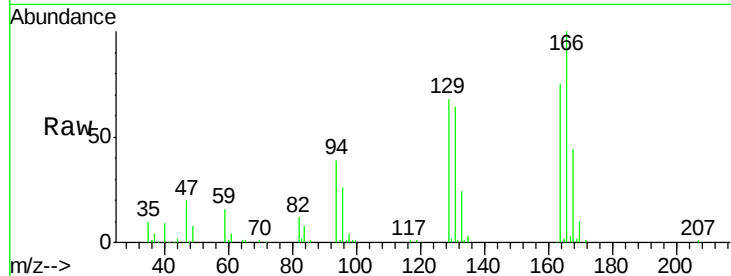
129 90.7 71.6 107.4

131 85.9 67.3 100.9

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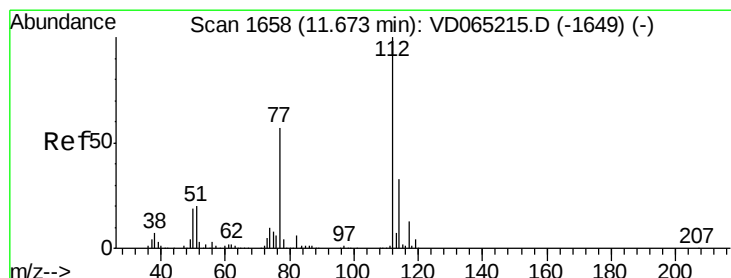
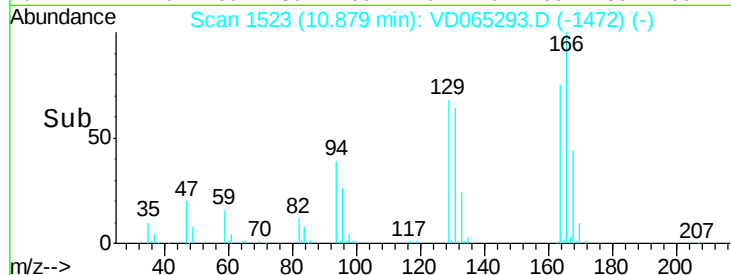
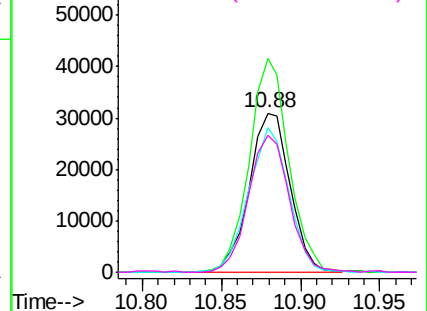


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.034 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065293.D

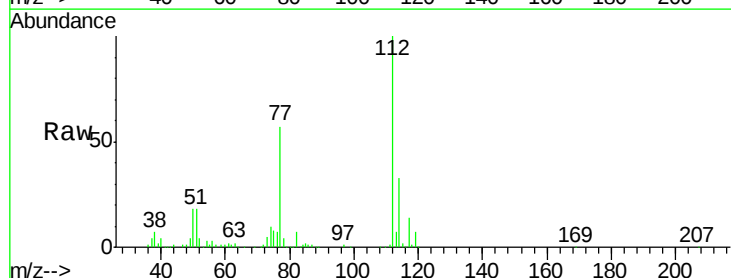
Acq: 24 Feb 2020 14:31

Tgt Ion:112 Resp: 200131

Ion Ratio Lower Upper

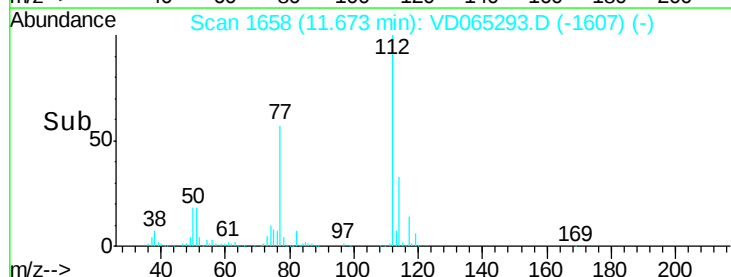
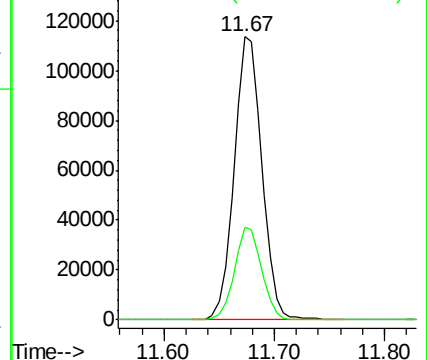
112 100

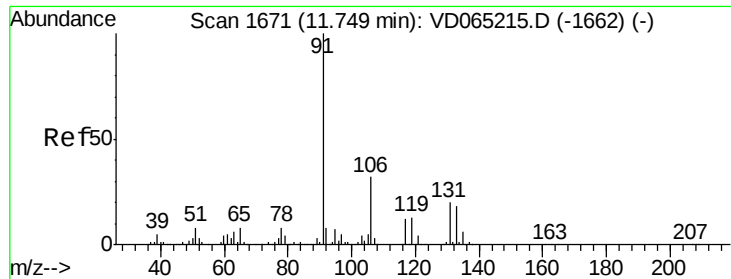
114 32.7 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 65.727 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

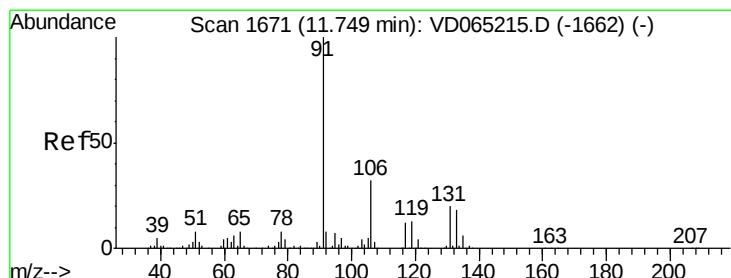
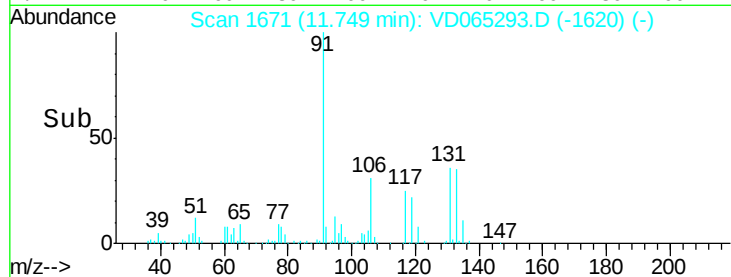
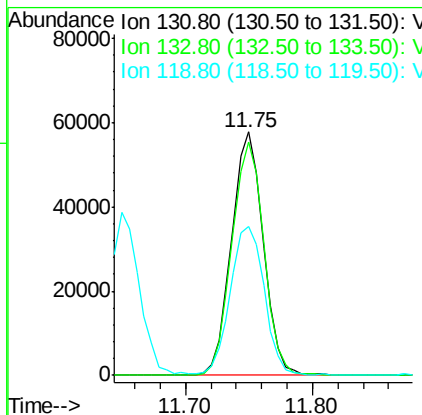
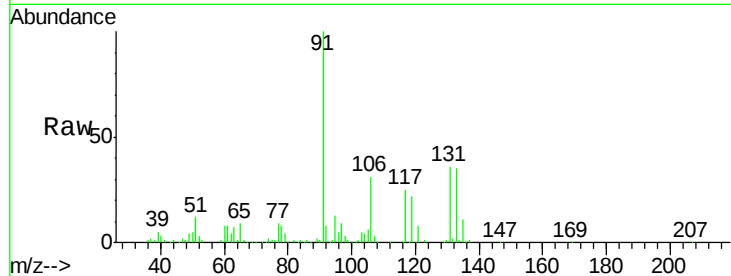
ClientSampleId :

LIED-TS001-01MS

Tot Ion:	131	Resp:	100109
Ion Ratio	Lower	Upper	
131	100		
133	96.8	47.7	143.1
119	65.9	32.7	98.1

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#67

Ethyl Benzene

Concen: 38.126 ug/l

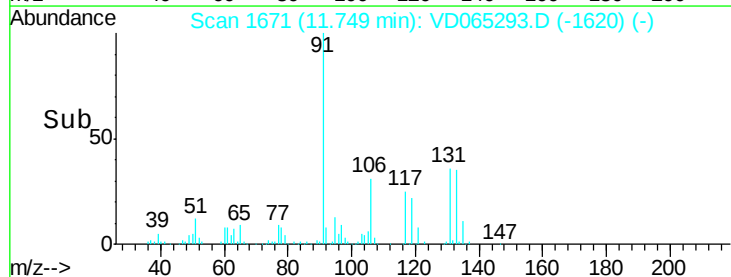
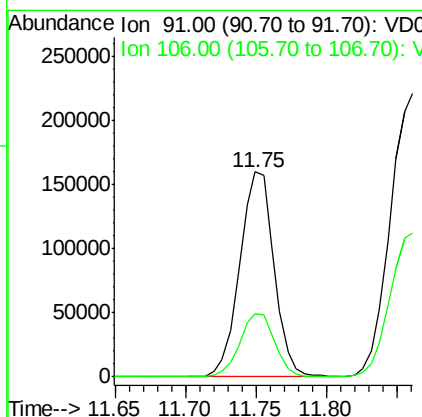
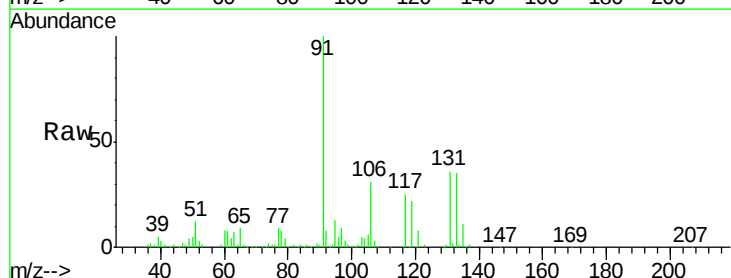
RT: 11.75 min Scan# 1671

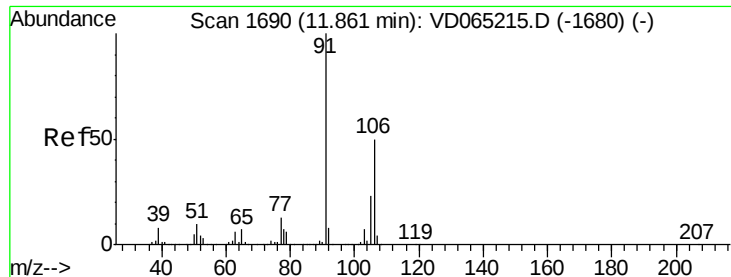
Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion:	91	Resp:	272539
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.2	37.8





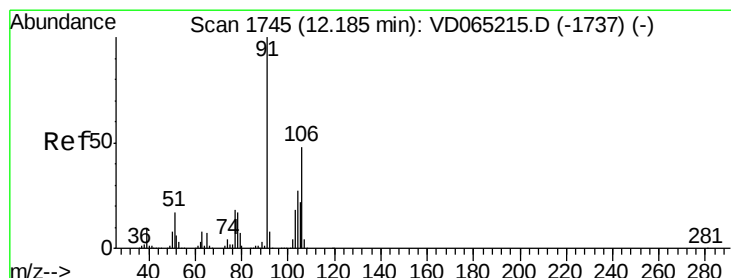
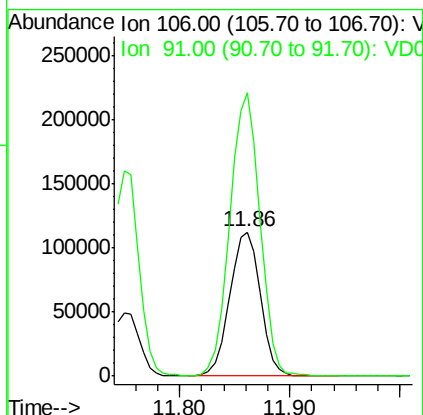
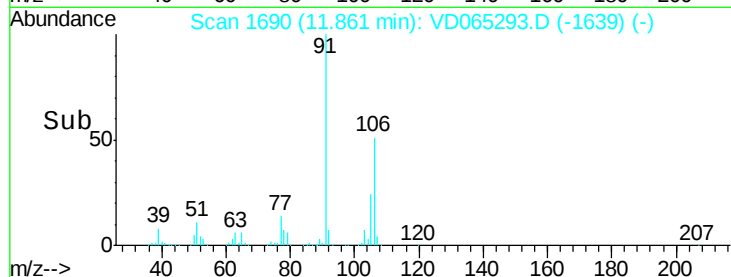
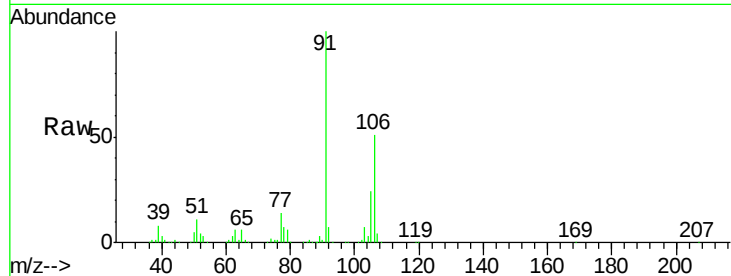
#68
m/p-Xylenes
Concen: 80.065 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		218968		
91	193.4	158.2	237.4		

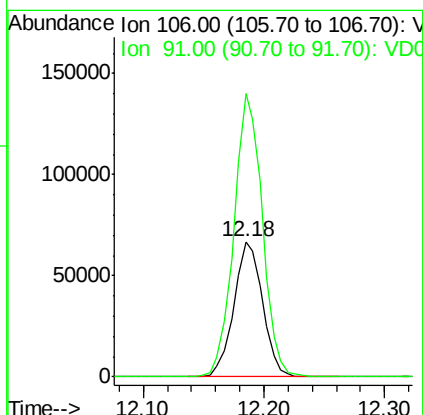
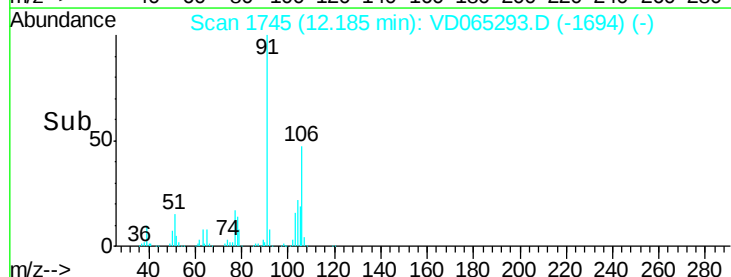
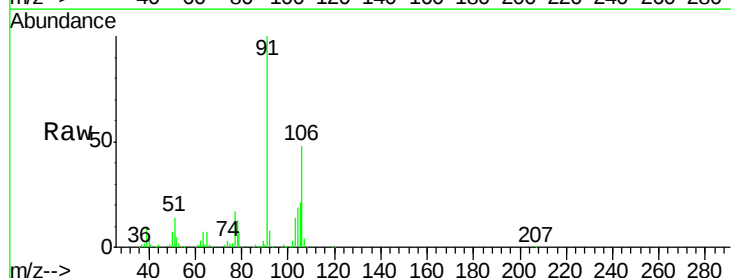
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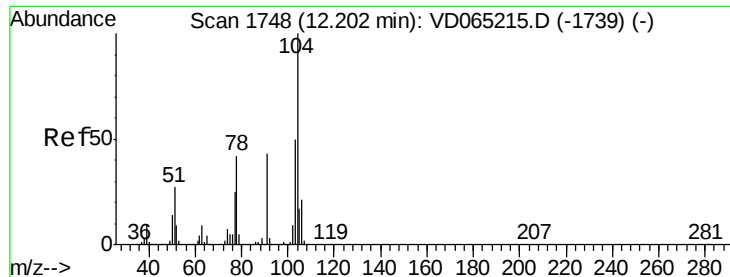
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#69
o-Xylene
Concen: 45.972 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		111390		
91	206.8	104.7	313.9		





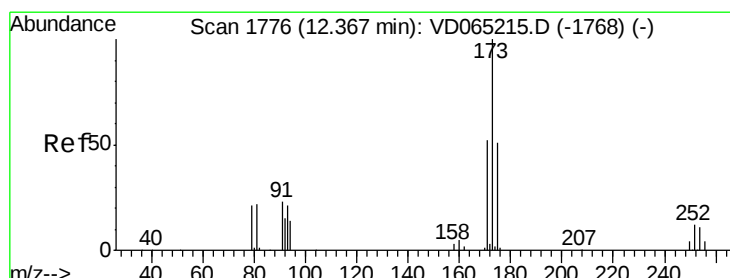
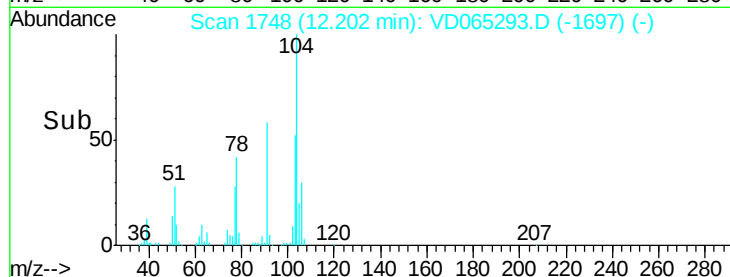
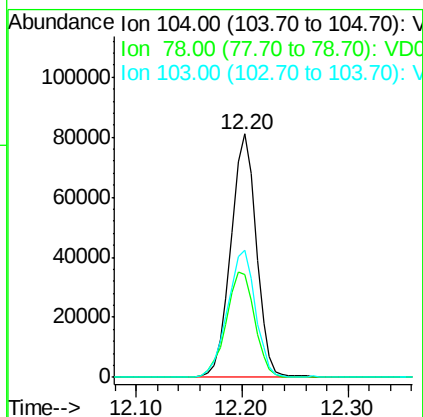
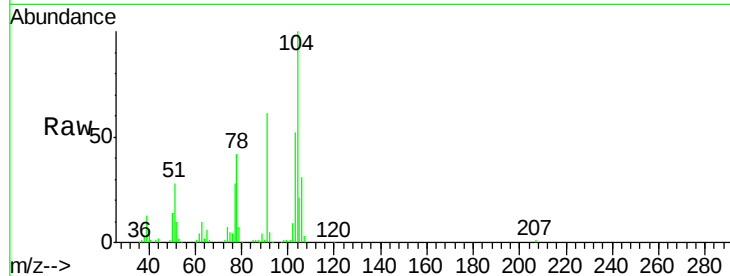
#70
Stvrene
Concen: 31.431 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	135212		
78	48.5		37.8	56.6
103	57.4		43.4	65.2

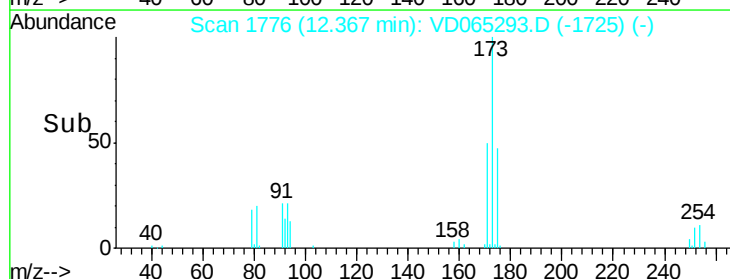
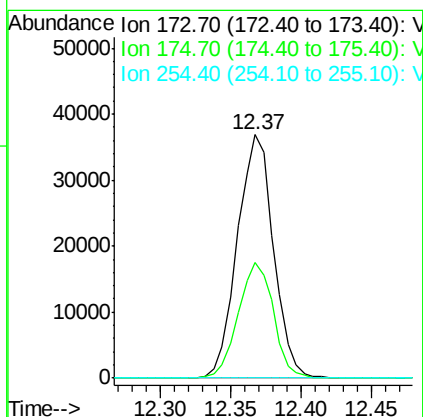
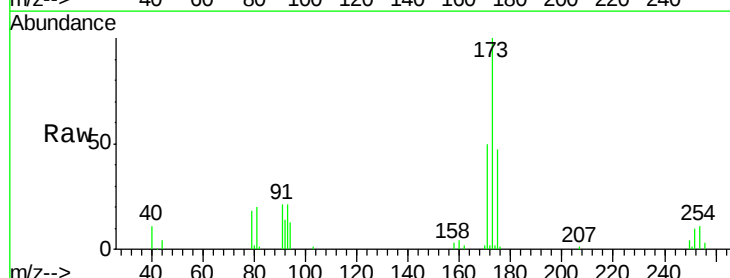
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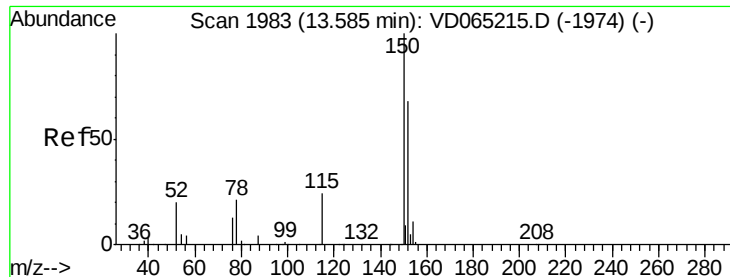
MMDadoda
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#71
Bromoform
Concen: 77.873 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	65817		
175	46.4		24.4	73.4
254	0.0		0.0	0.0





#72

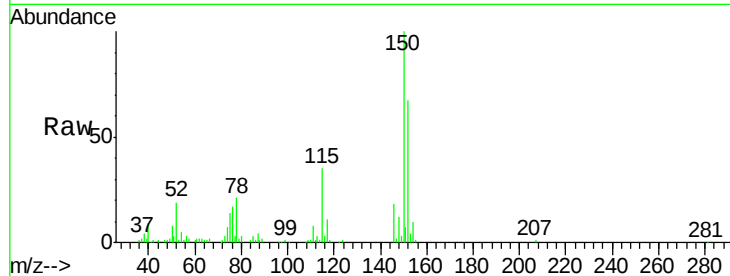
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

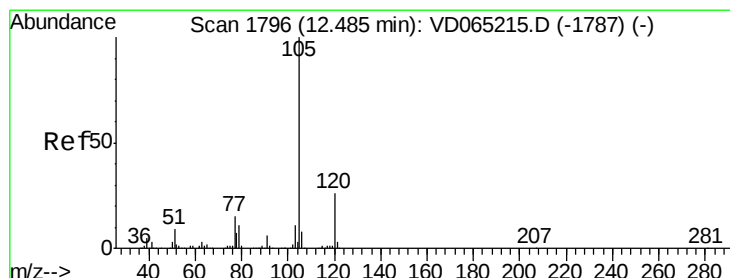
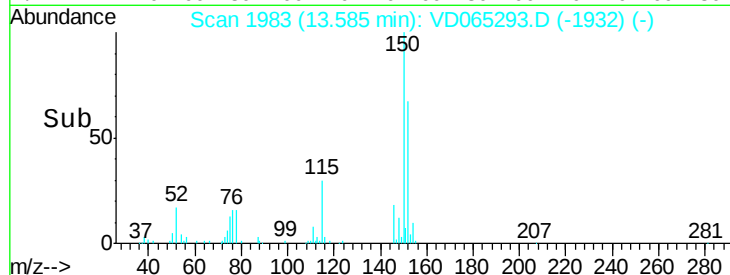
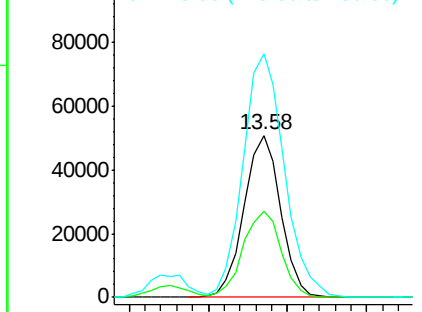
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.6	82.8
150	169.7	0.0	347.4

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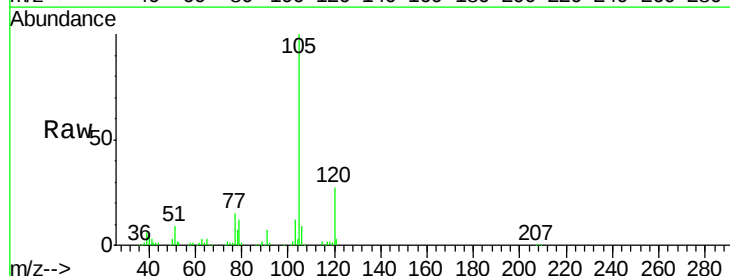
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



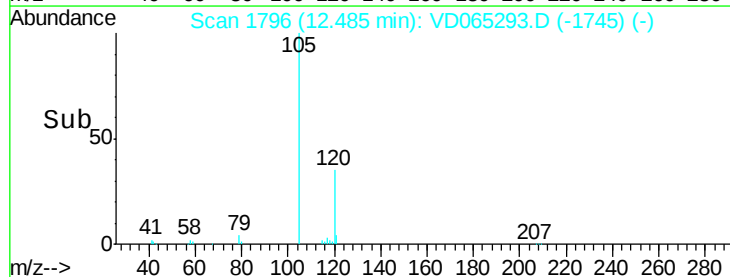
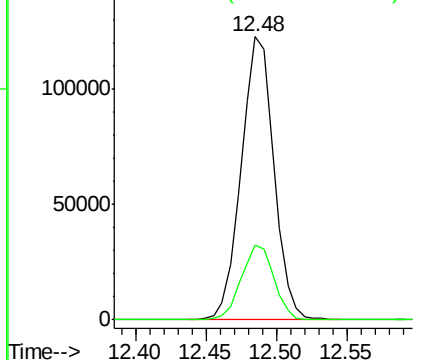
#73

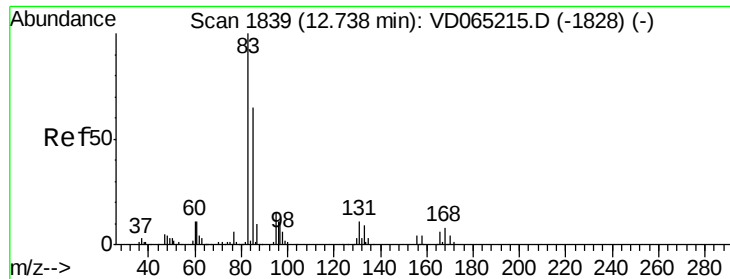
Isopropylbenzene
Concen: 36.805 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.9



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





#75

1,1,2,2-Tetrachloroethane

Concen: 113.027 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

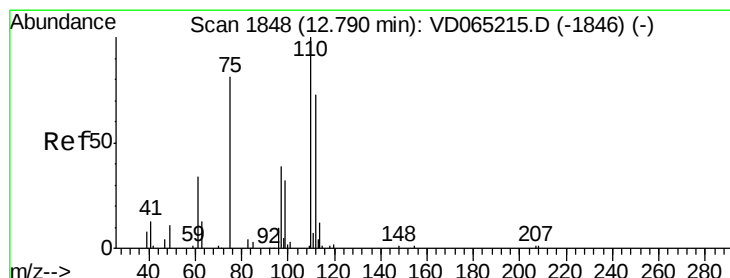
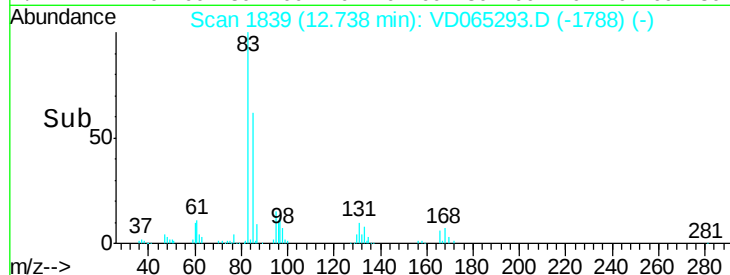
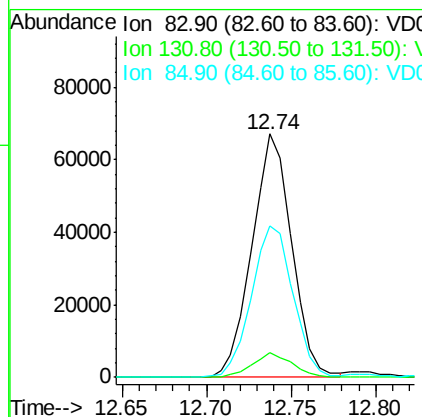
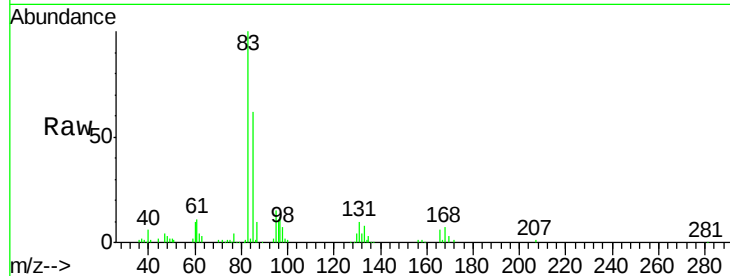
ClientSampleId :

LIED-TS001-01MS

Tot Ion:	83	Resp:	110071
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.4	16.2
85	64.8	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 119.756 ug/l m

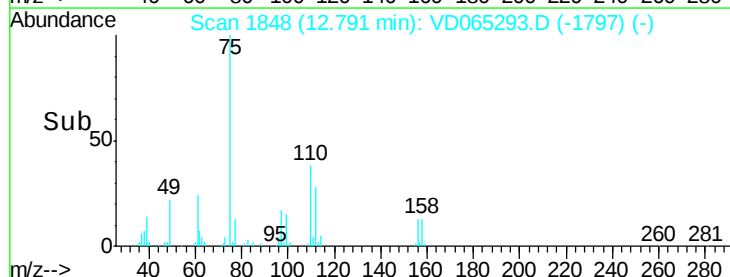
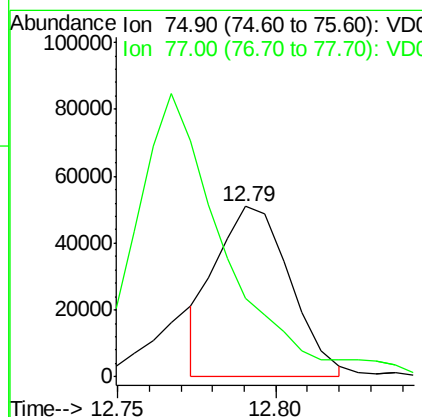
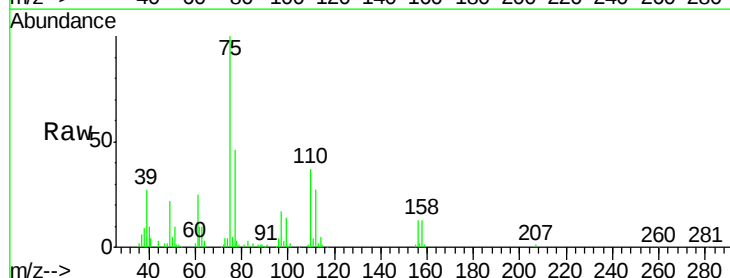
RT: 12.79 min Scan# 1848

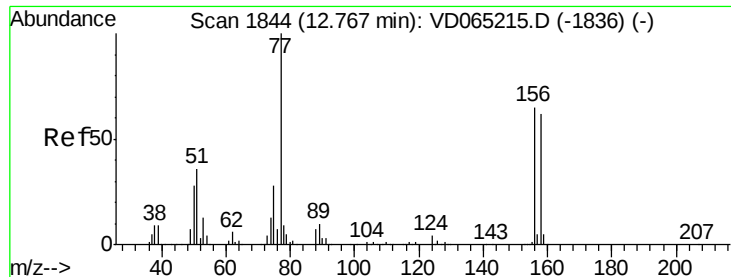
Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion:	75	Resp:	83046
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





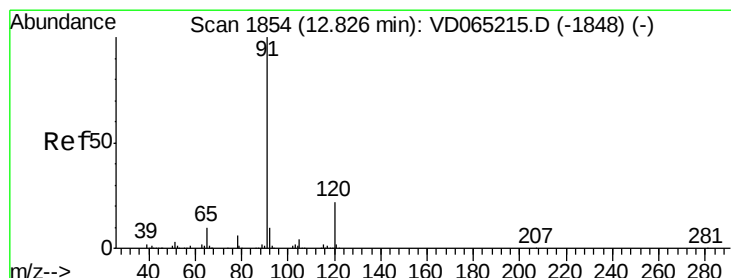
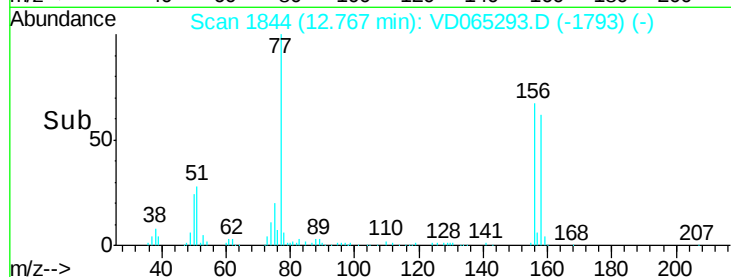
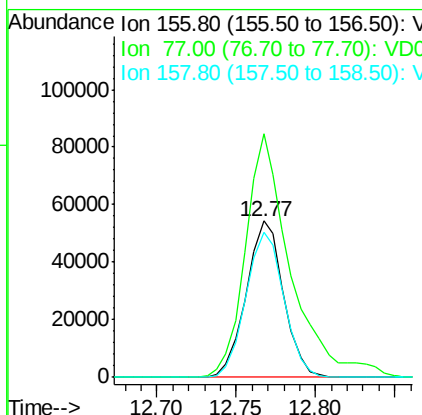
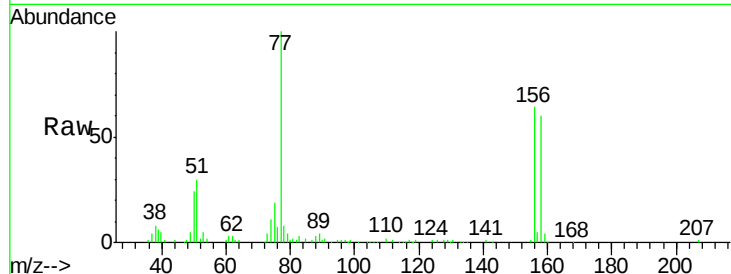
#77
Bromobenzene
Concen: 66.002 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.5	86.6	259.7
158	95.5	48.1	144.3

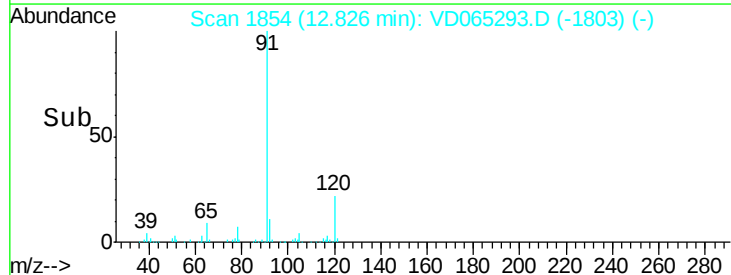
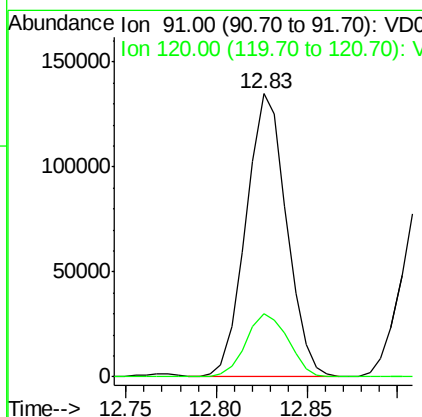
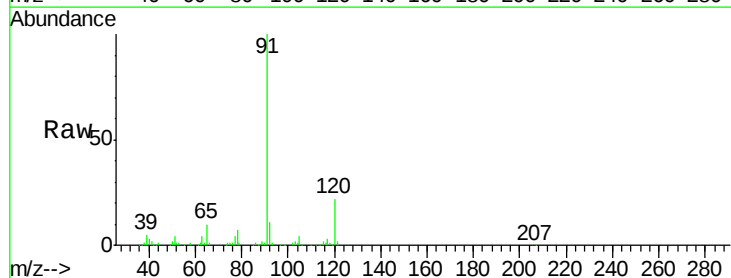
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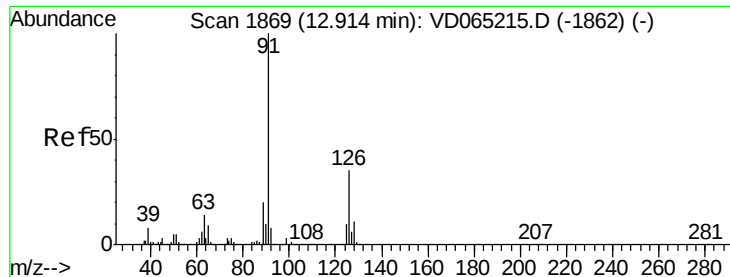
MMDadoda
2/25/2020 5:15:45 PM



#78
n-propylbenzene
Concen: 32.282 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





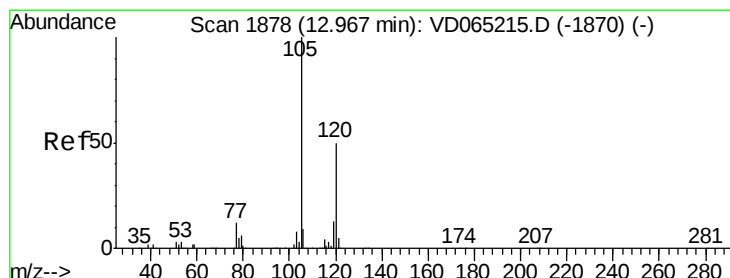
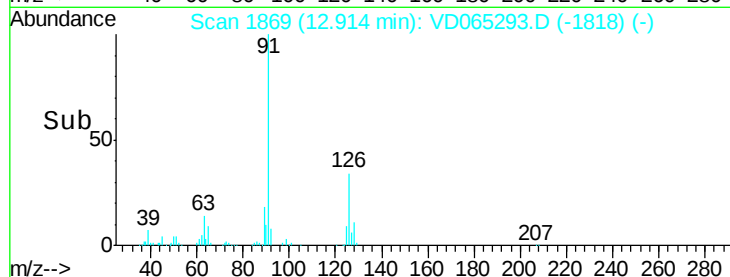
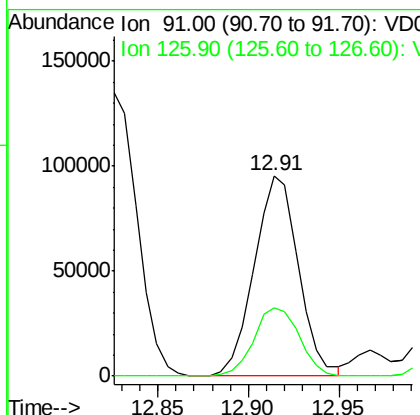
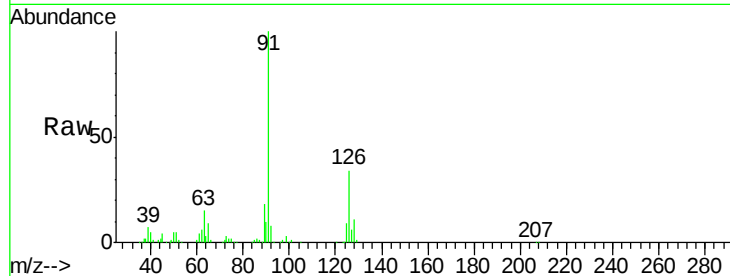
#79
 2-Chlorotoluene
 Concen: 44.436 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion: 91 Resp: 161420
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.5 52.6

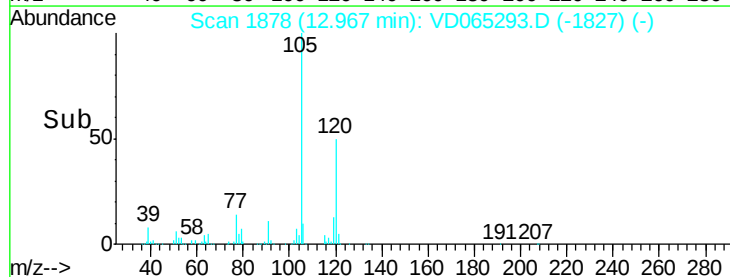
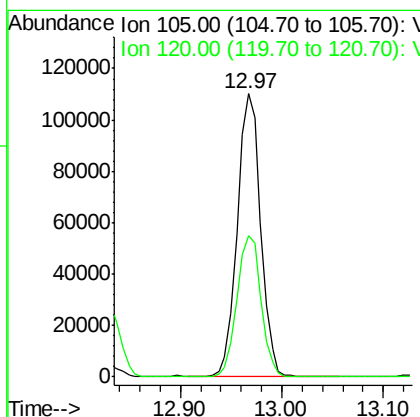
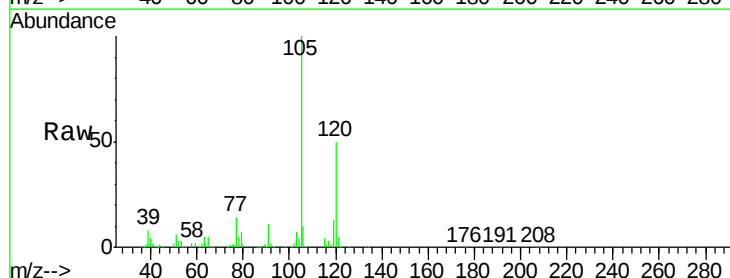
Manual Integrations
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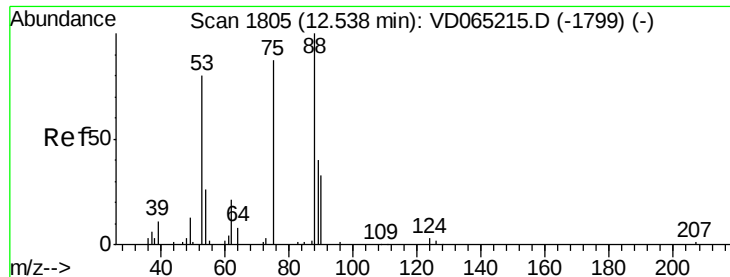
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 39.688 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 105 Resp: 176383
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 31.516 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

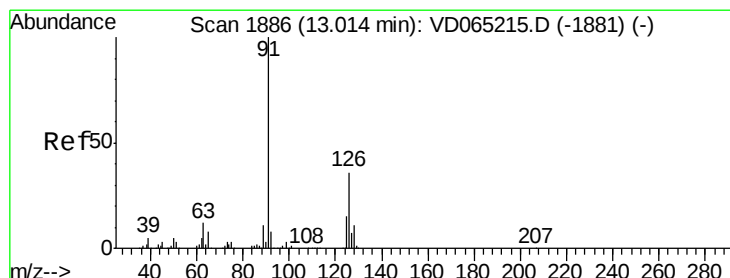
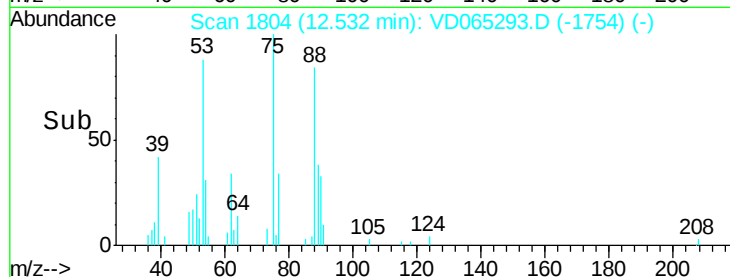
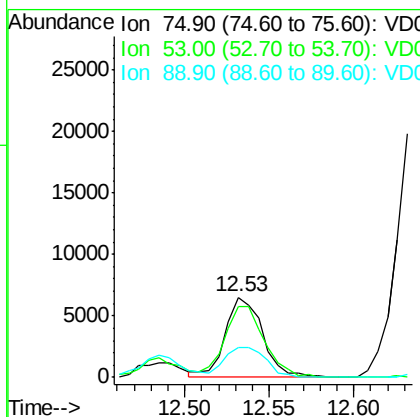
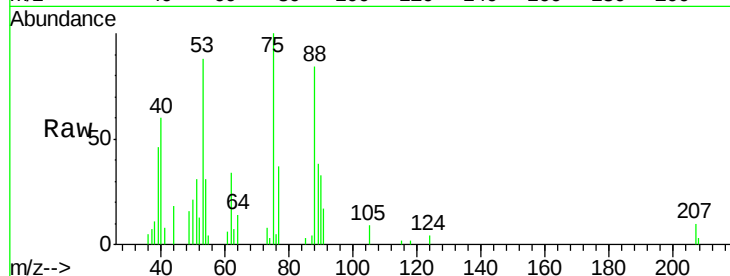
ClientSampleId :

LIED-TS001-01MS

Tot Ion:	75	Resp:	10122
Ion	Ratio	Lower	Upper
75	100		
53	92.9	77.6	116.4
89	41.0	37.2	55.8

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#82

4-Chlorotoluene

Concen: 45.396 ug/l

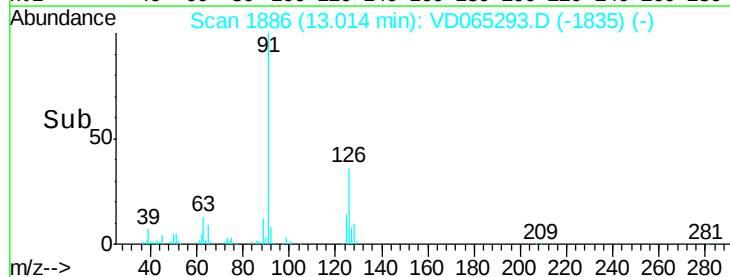
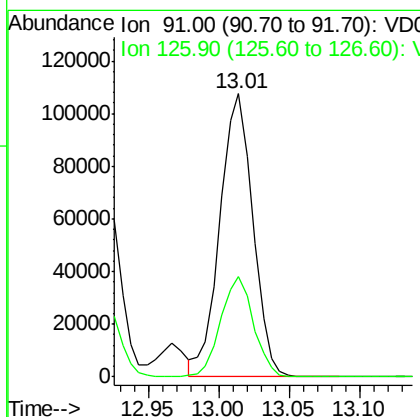
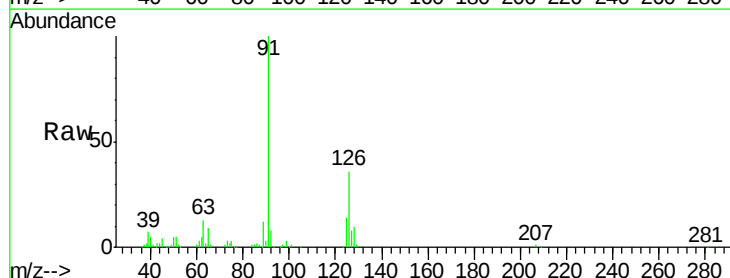
RT: 13.01 min Scan# 1886

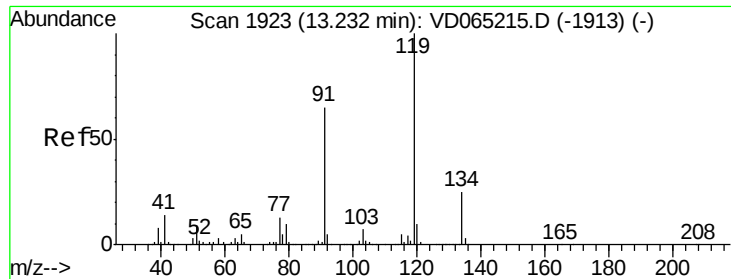
Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion:	91	Resp:	175071
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3





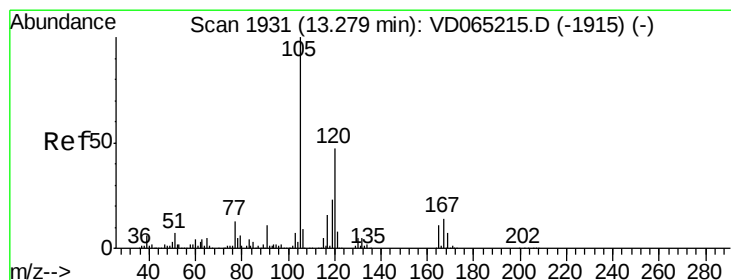
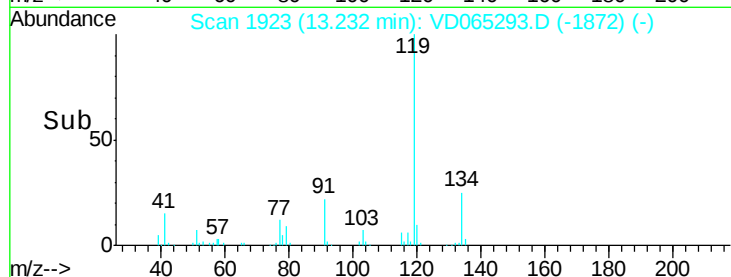
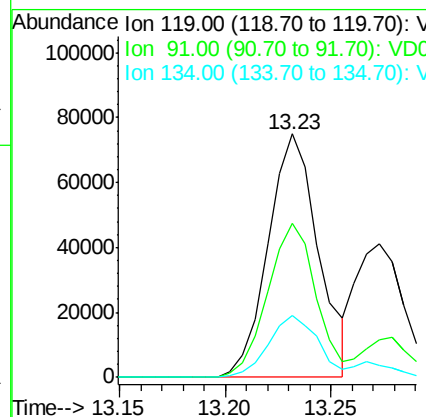
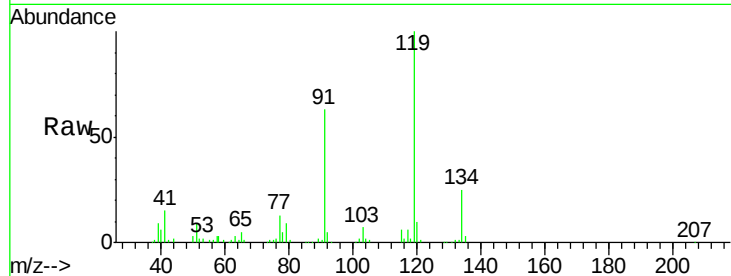
#83
tert-Butylbenzene
Concen: 33.468 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	31.9	95.5
134	24.9	13.8	41.3

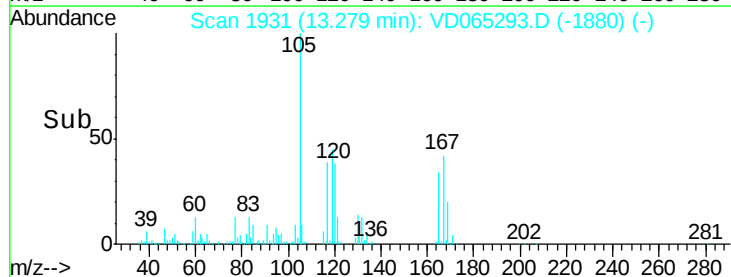
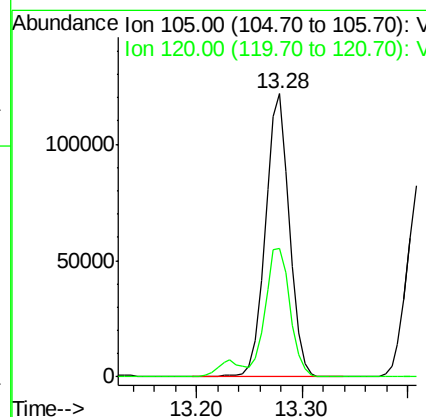
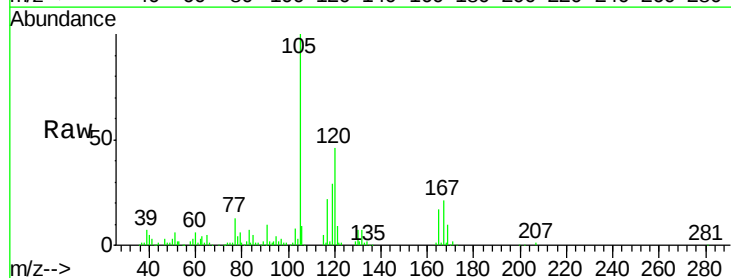
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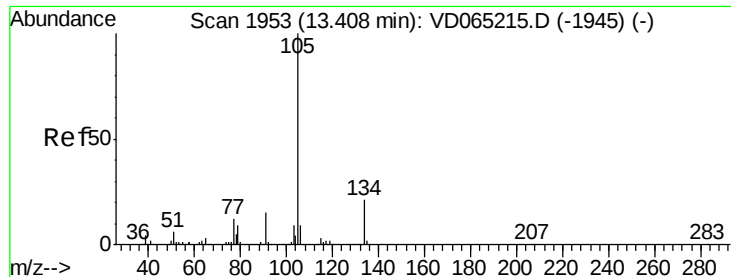
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#84
1,2,4-Trimethylbenzene
Concen: 43.056 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.3	69.9





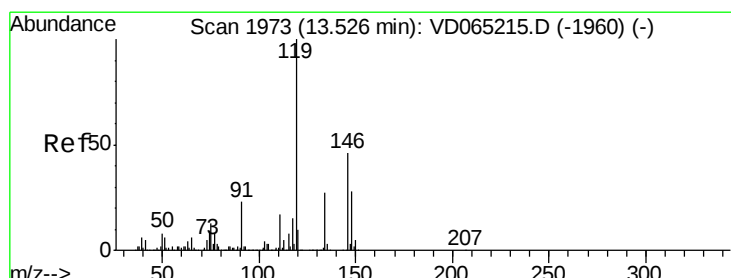
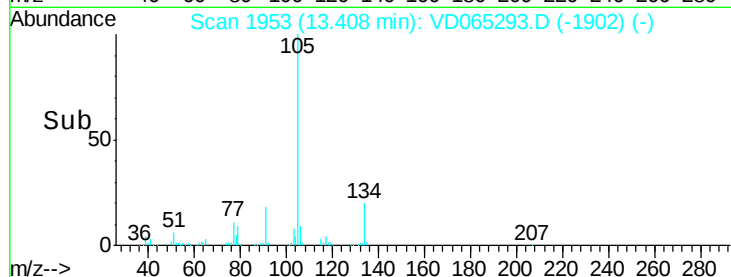
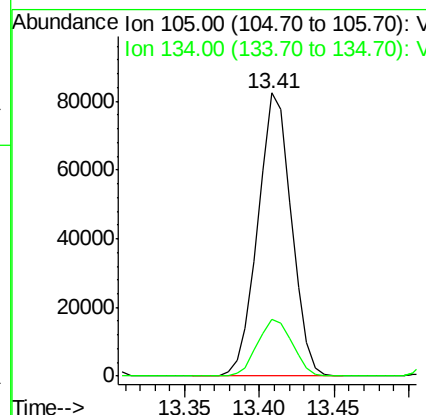
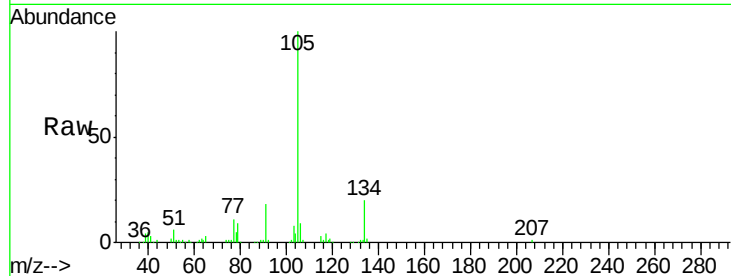
#85
 sec-Butylbenzene
 Concen: 23.799 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.9

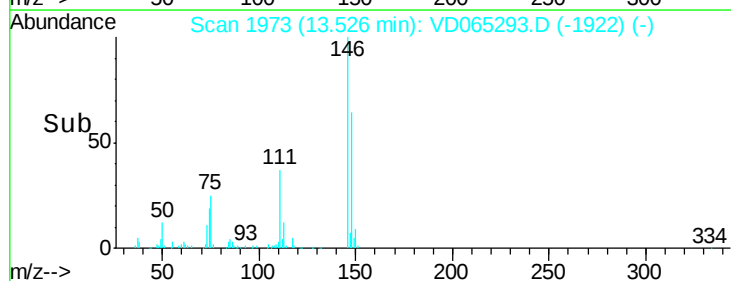
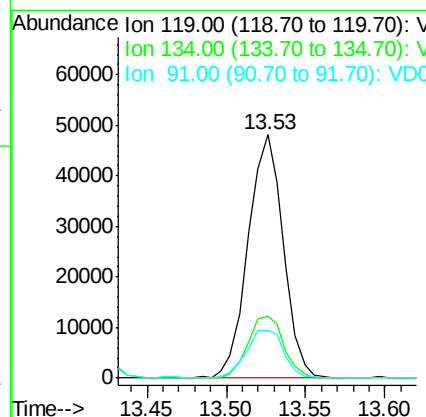
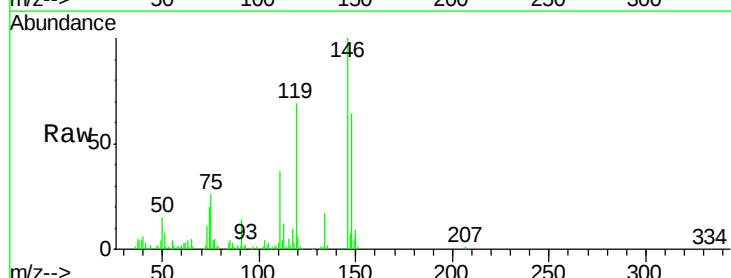
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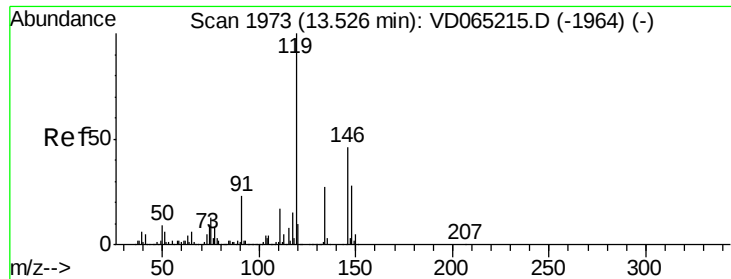
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#86
 p-Isopropyltoluene
 Concen: 15.090 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	21.5	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 44.338 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

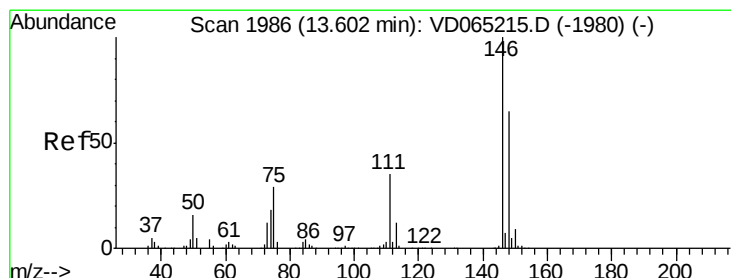
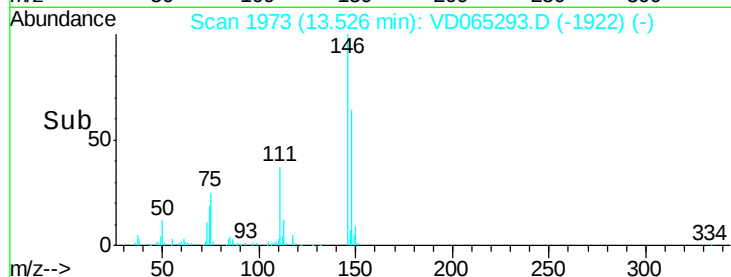
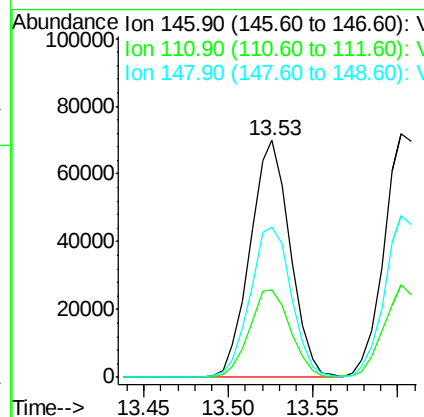
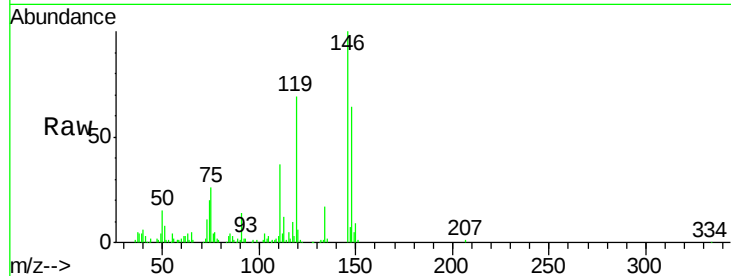
ClientSampleId :

LIED-TS001-01MS

Tot Ion:	146	Resp:	114851
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	55.8
148	65.6	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 47.233 ug/l

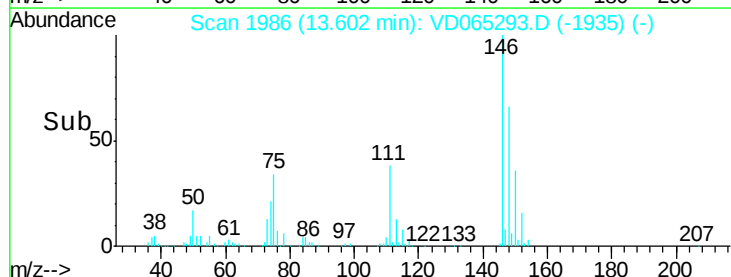
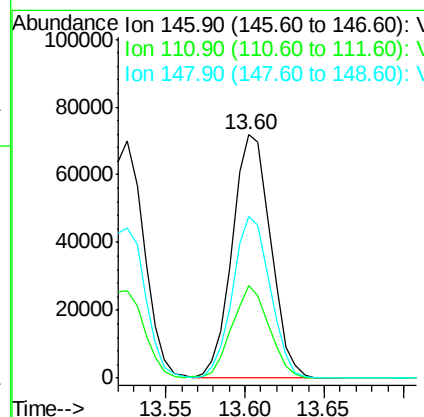
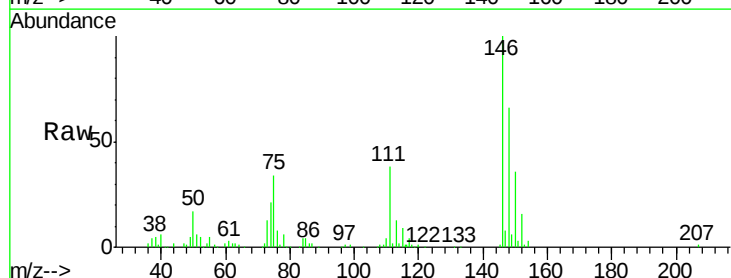
RT: 13.60 min Scan# 1986

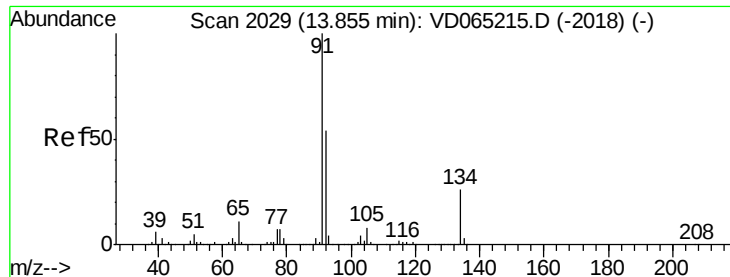
Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion:	146	Resp:	120754
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.4	55.2
148	64.8	32.1	96.5





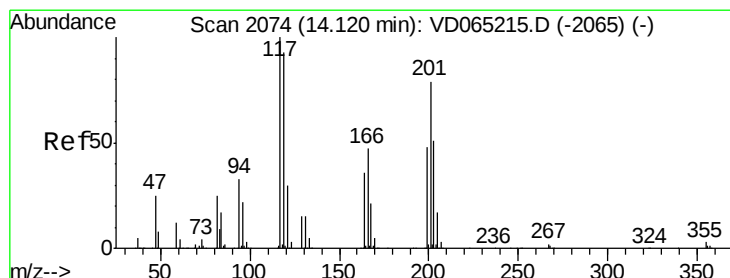
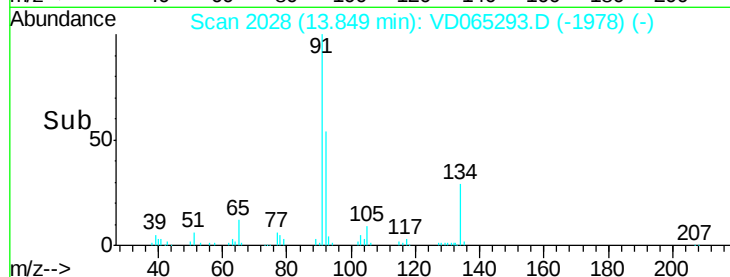
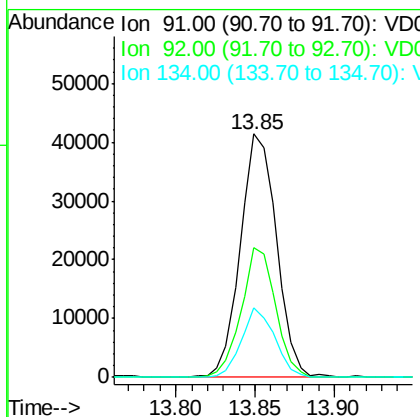
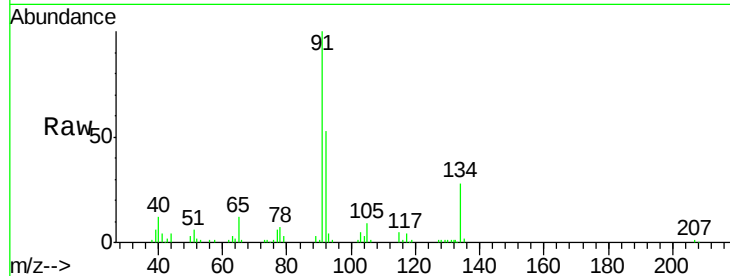
#89
n-Butylbenzene
Concen: 14.531 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	27.0	80.8
134	26.2	13.5	40.4

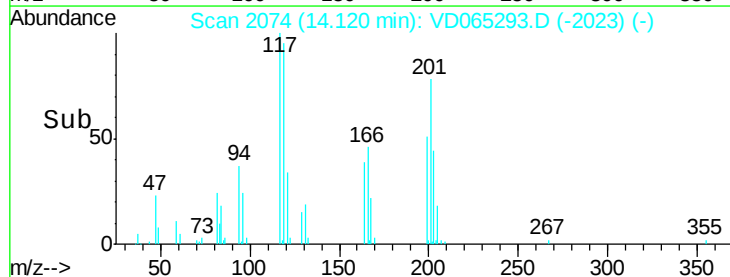
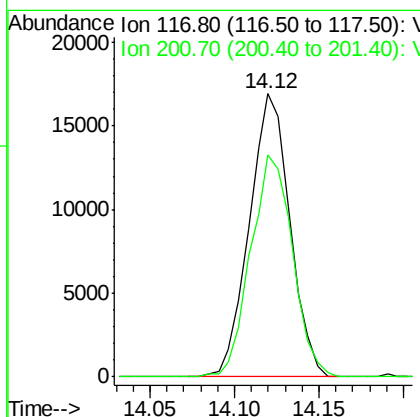
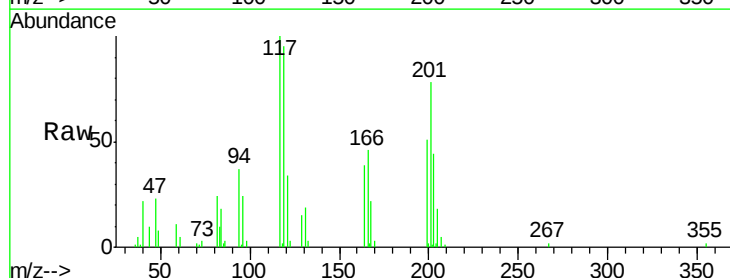
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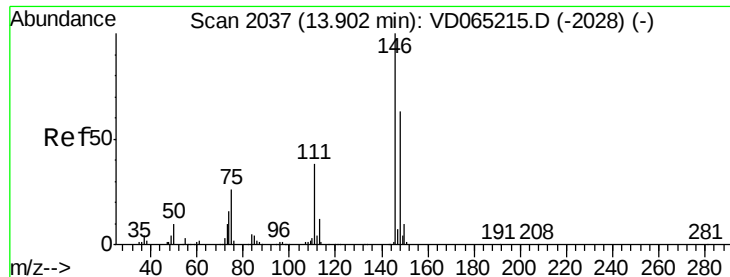
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#90
Hexachloroethane
Concen: 28.385 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	41.3	124.1





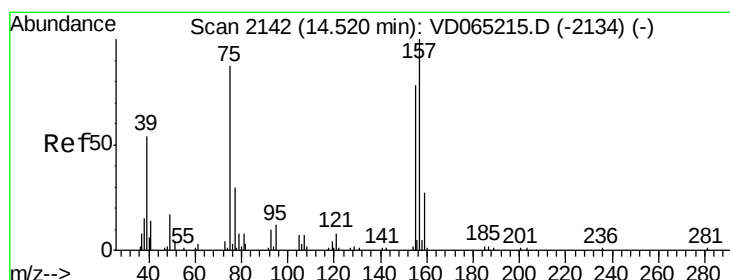
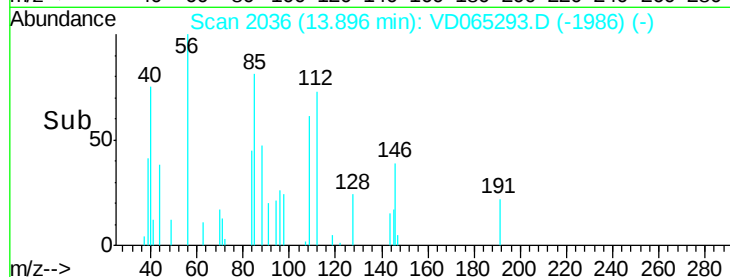
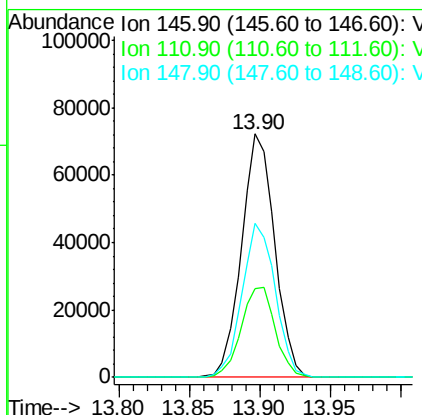
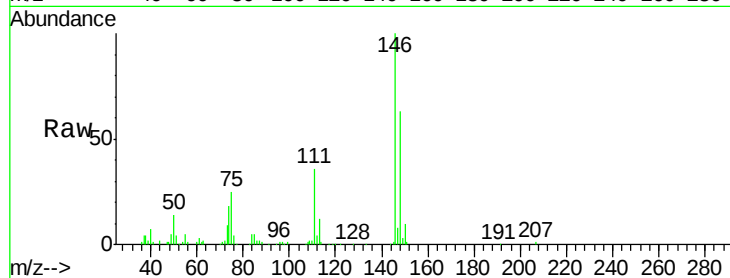
#91
 1,2-Dichlorobenzene
 Concen: 53.374 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	63.5	32.0	96.2

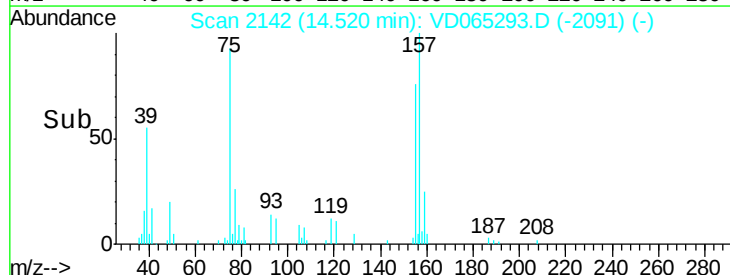
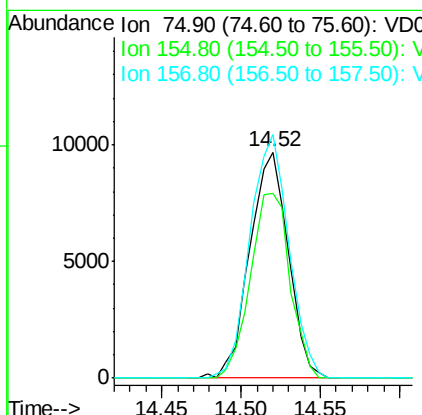
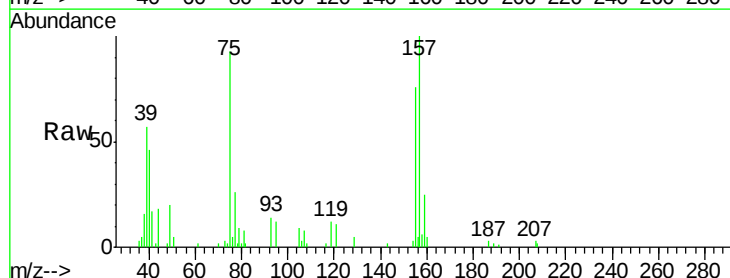
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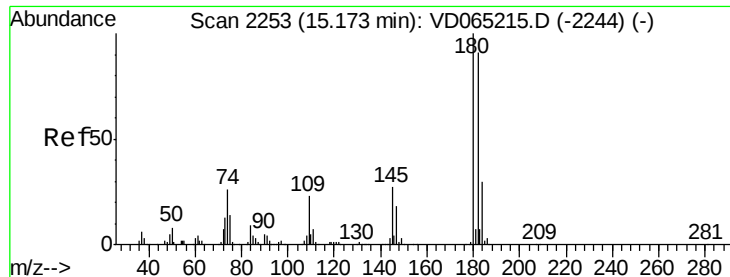
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.132 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	42.3	126.9
157	109.1	56.7	170.1





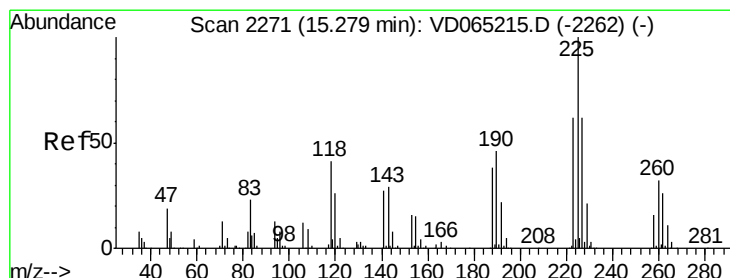
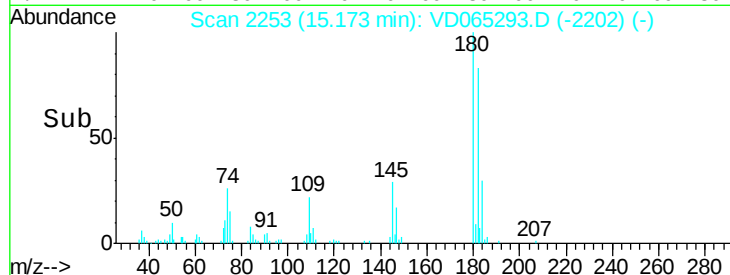
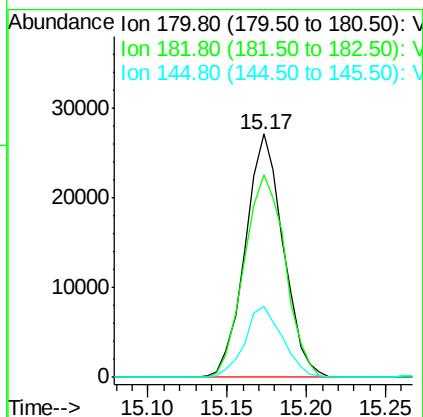
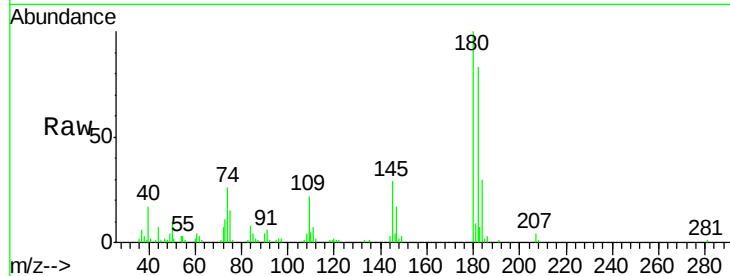
#93
 1,2,4-Trichlorobenzene
 Concen: 30.970 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	90.1	46.9	140.6	
145	29.2	13.9	41.7	

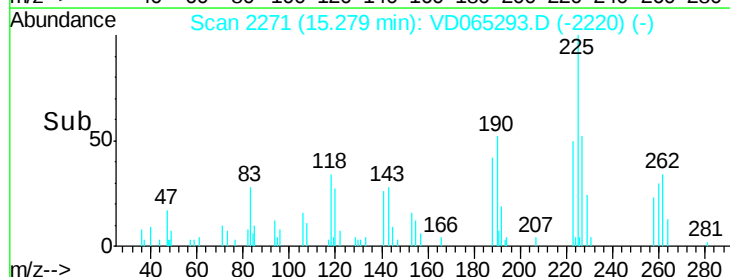
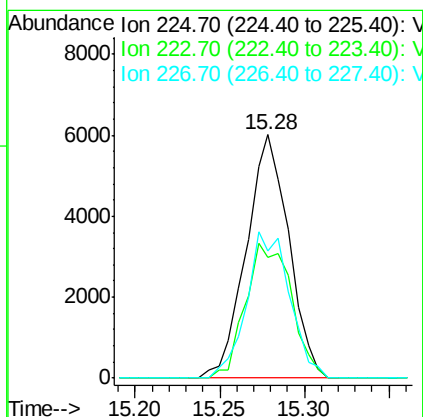
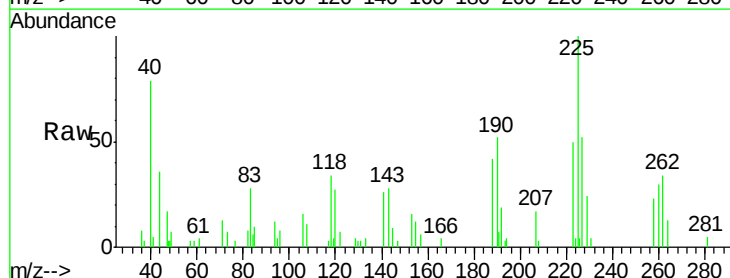
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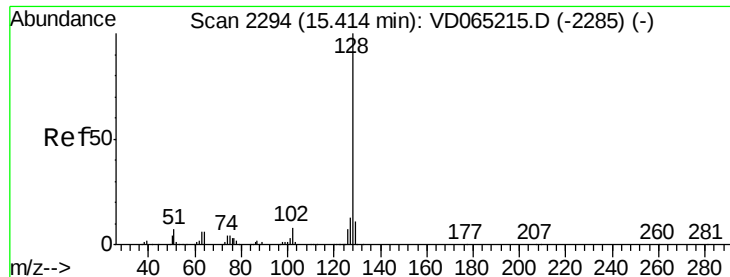
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#94
 Hexachlorobutadiene
 Concen: 11.232 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.4	31.4	94.2	
227	60.8	31.7	95.1	





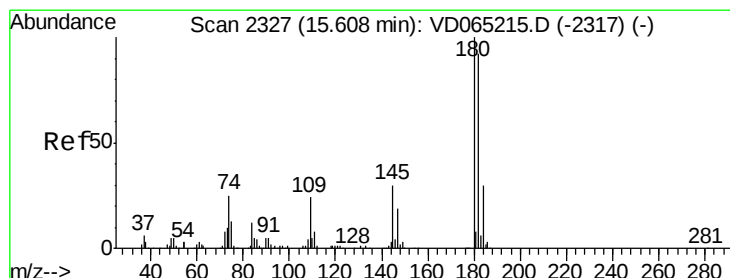
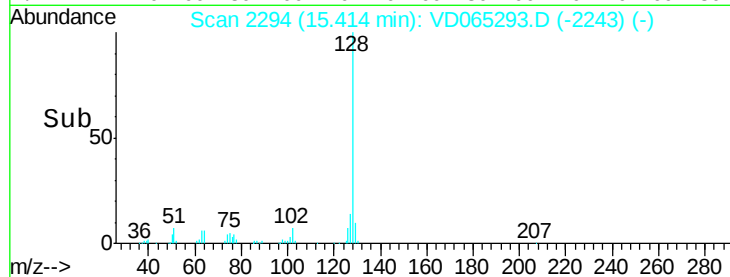
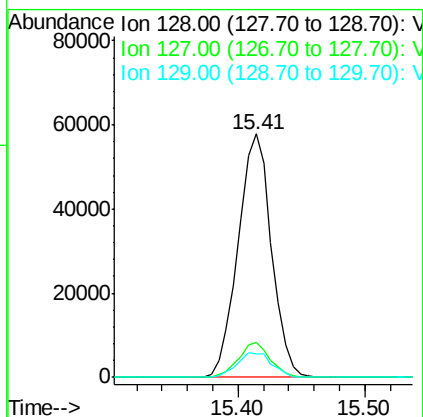
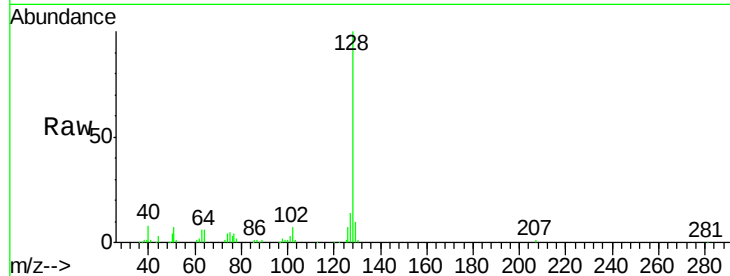
#95
Naphthalene
Concen: 44.569 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/25/2020 5:15:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 31.852 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.9	140.6
145	31.6	15.4	46.1

