

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065500.D
 Acq On : 13 Mar 2020 12:09
 Operator : VA/SY
 Sample : VD0313SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:05:26 PM

Quant Time: Mar 16 02:13:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	451009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	652515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196936	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.92	113	211831	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.34	98	802739	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.64	95	259245	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82314	21.236	ug/l	97
3) Chloromethane	2.21	50	94656	20.227	ug/l	98
4) Vinyl Chloride	2.35	62	96147	20.830	ug/l	100
5) Bromomethane	2.77	94	61619	21.054	ug/l	98
6) Chloroethane	2.92	64	59743	21.133	ug/l	99
7) Trichlorofluoromethane	3.27	101	143237	21.060	ug/l	100
8) Diethyl Ether	3.71	74	43099	21.309	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95340	21.765	ug/l	99
10) Methyl Iodide	4.29	142	88560	19.460	ug/l	99
11) Tert butyl alcohol	5.25	59	20511	92.429	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	85364	20.352	ug/l	91
13) Acrolein	3.93	56	30455	79.577	ug/l	99
14) Allyl chloride	4.71	41	125309	19.448	ug/l	99
15) Acrylonitrile	5.43	53	90097	102.393	ug/l	99
16) Acetone	4.17	43	78471	100.293	ug/l	96
17) Carbon Disulfide	4.40	76	276801	19.816	ug/l	98
18) Methyl Acetate	4.73	43	42325	21.325	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	165549	20.524	ug/l	98
20) Methylene Chloride	4.96	84	104709	22.761	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	97055	20.801	ug/l	95
22) Diisopropyl ether	6.37	45	261295	21.815	ug/l	99
23) Vinyl Acetate	6.31	43	685589	103.085	ug/l	100
24) 1,1-Dichloroethane	6.27	63	163031	21.220	ug/l	98
25) 2-Butanone	7.23	43	106285	99.543	ug/l	97
26) 2,2-Dichloropropane	7.21	77	140873	20.982	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	97993	20.547	ug/l	97
28) Bromochloromethane	7.55	49	64343	20.933	ug/l	98
29) Tetrahydrofuran	7.57	42	67173	98.514	ug/l	97
30) Chloroform	7.71	83	168766	21.977	ug/l	99
31) Cyclohexane	7.98	56	151326	19.698	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	151575	21.359	ug/l	99
36) 1,1-Dichloropropene	8.11	75	131619	21.043	ug/l	99
37) Ethyl Acetate	7.30	43	52732	21.812	ug/l	99
38) Carbon Tetrachloride	8.10	117	139013	21.433	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	147124	19.475	ug/l	98
40) Benzene	8.36	78	378388	21.637	ug/l	100
41) Methacrylonitrile	7.54	41	31391	24.552	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	104475	22.878	ug/l	100
43) Isopropyl Acetate	8.46	43	91896	20.587	ug/l	98
44) Trichloroethene	9.11	130	106366	21.537	ug/l	98
45) 1,2-Dichloropropane	9.39	63	96062	22.677	ug/l	99
46) Dibromomethane	9.48	93	47915	21.806	ug/l	95
47) Bromodichloromethane	9.67	83	127251	22.260	ug/l	94
48) Methyl methacrylate	9.46	41	41980	19.993	ug/l	94
49) 1,4-Dioxane	9.47	88	11401	453.604	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	246773	109.857	ug/l	98
52) Toluene	10.41	92	244765	22.217	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115819	21.680	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	141316	21.854	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	69423	22.307	ug/l	97
56) Ethyl methacrylate	10.67	69	74187	21.145	ug/l	97
57) 1,3-Dichloropropane	10.95	76	118849	22.570	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	107782	99.615	ug/l	99
59) 2-Hexanone	10.99	43	162193	104.305	ug/l	99
60) Dibromochloromethane	11.14	129	91070	22.829	ug/l	99
61) 1,2-Dibromoethane	11.26	107	65499	22.064	ug/l	98
64) Tetrachloroethene	10.88	164	92730	21.105	ug/l	97
65) Chlorobenzene	11.68	112	256983	21.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	98154	22.210	ug/l	97
67) Ethyl Benzene	11.75	91	434745	20.735	ug/l	98
68) m/p-Xylenes	11.86	106	343363	42.473	ug/l	99
69) o-Xylene	12.19	106	148271	20.850	ug/l	99
70) Styrene	12.20	104	267031	21.336	ug/l	100
71) Bromoform	12.37	173	54350	21.895	ug/l #	99
73) Isopropylbenzene	12.48	105	403243	19.718	ug/l	99
74) N-amyl acetate	12.30	43	82653	19.741	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	73709	20.504	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50913m	20.752	ug/l	
77) Bromobenzene	12.77	156	106375	20.936	ug/l	100
78) n-propylbenzene	12.83	91	499356	20.579	ug/l	100
79) 2-Chlorotoluene	12.91	91	278202	20.343	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	345884	20.572	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22599	19.438	ug/l	96
82) 4-Chlorotoluene	13.01	91	302563	21.054	ug/l	99
83) tert-Butylbenzene	13.23	119	274165	19.275	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	346273	20.894	ug/l	100
85) sec-Butylbenzene	13.41	105	406892	20.041	ug/l	99
86) p-Isopropyltoluene	13.53	119	377624	20.383	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202787	20.759	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	204466	21.042	ug/l	99
89) n-Butylbenzene	13.86	91	336366	19.638	ug/l	99
90) Hexachloroethane	14.12	117	77847	20.404	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	179250	21.563	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11008	20.107	ug/l	96

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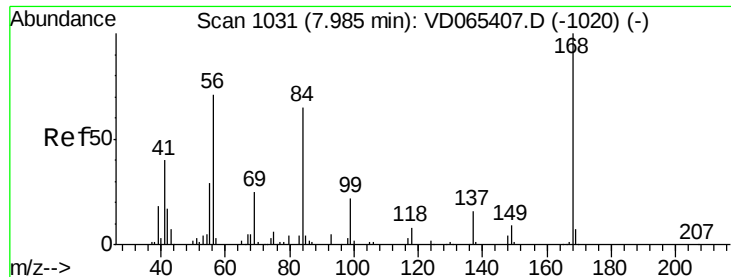
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113422	20.131	ug/l	98
94) Hexachlorobutadiene	15.28	225	77130	20.834	ug/l	99
95) Naphthalene	15.41	128	167853	19.649	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99020	20.338	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion:168 Resp: 451009

Ion Ratio Lower Upper

168 100

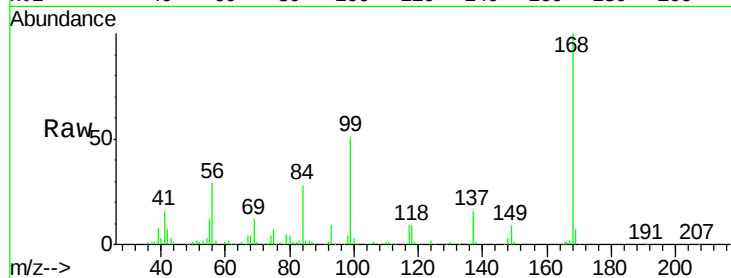
99 50.4 41.5 62.3

Manual Integrations

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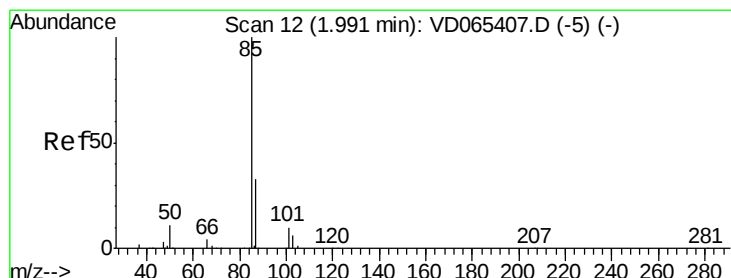
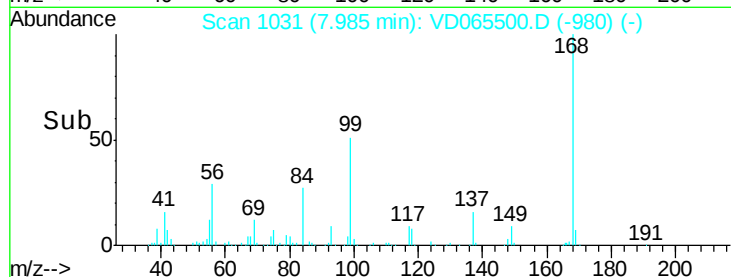
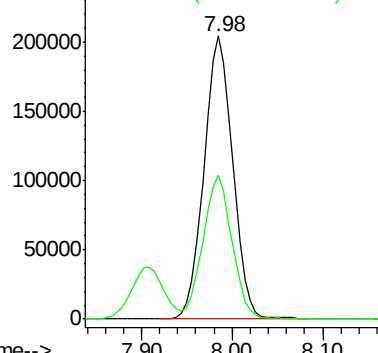
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.236 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065500.D

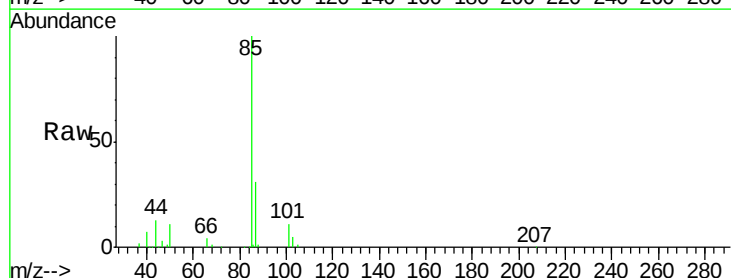
Acq: 13 Mar 2020 12:09

Tgt Ion: 85 Resp: 82314

Ion Ratio Lower Upper

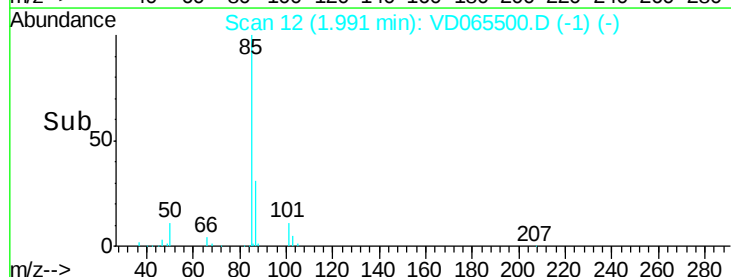
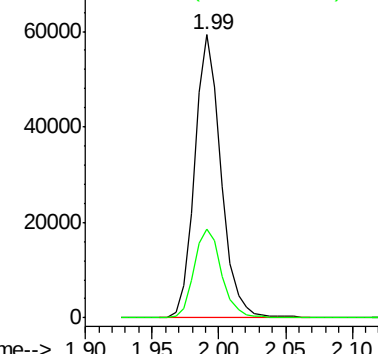
85 100

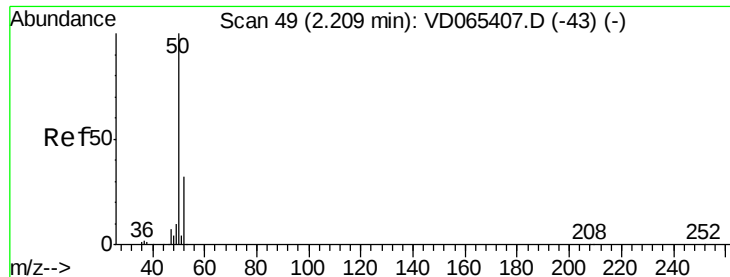
87 31.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.227 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 50 Resp: 94656

Ion Ratio Lower Upper

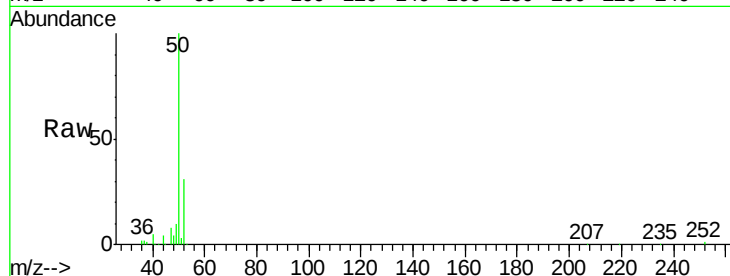
50 100

52 31.2 25.8 38.8

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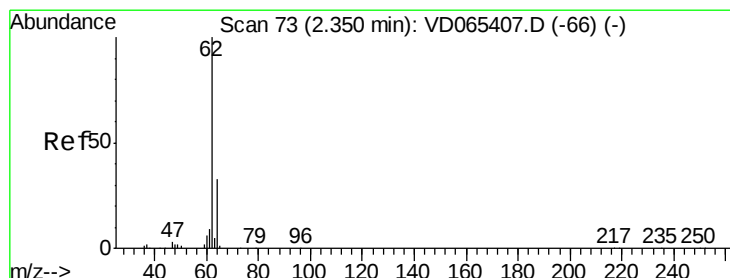
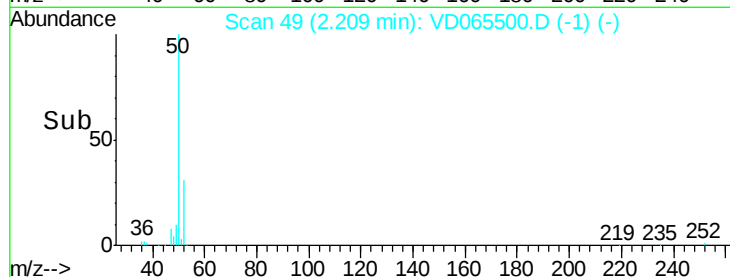
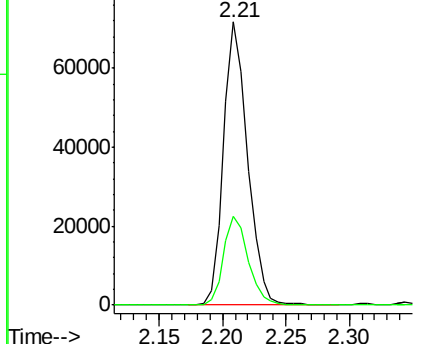
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.830 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065500.D

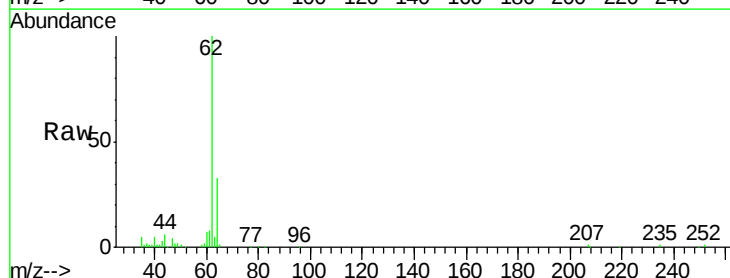
Acq: 13 Mar 2020 12:09

Tgt Ion: 62 Resp: 96147

Ion Ratio Lower Upper

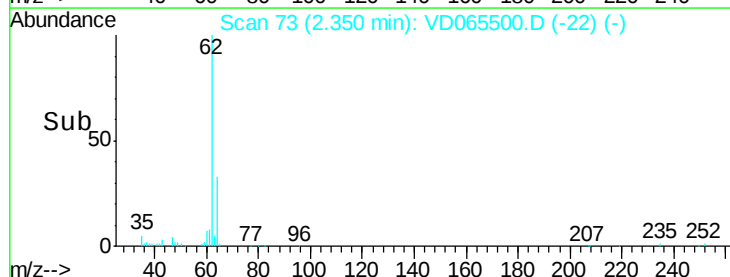
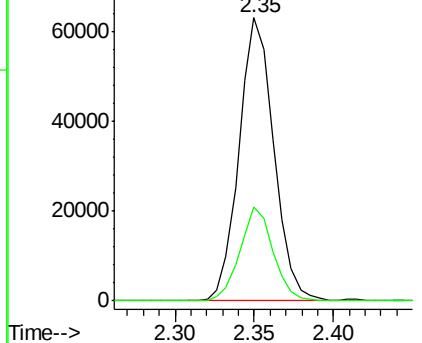
62 100

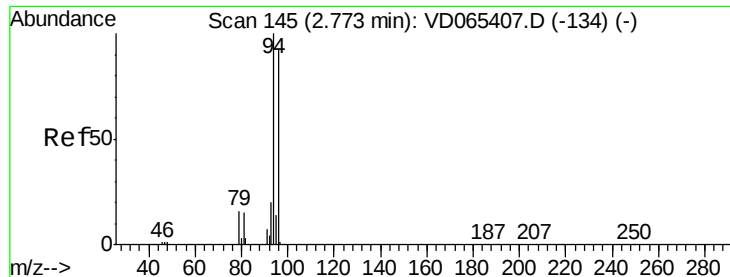
64 33.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.054 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 94 Resp: 61619

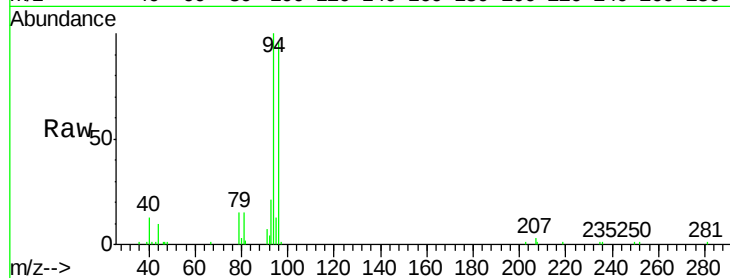
Ion Ratio Lower Upper

94 100

96 94.9 74.4 111.6

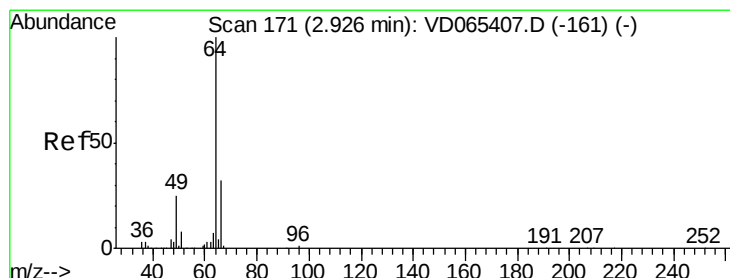
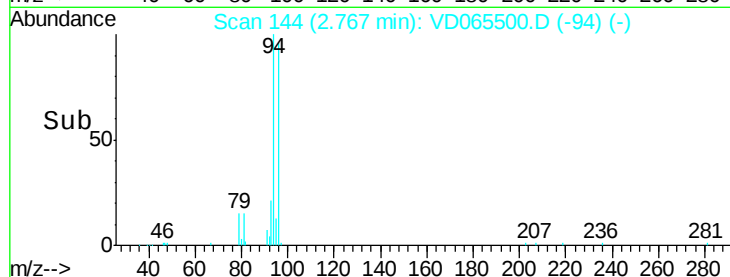
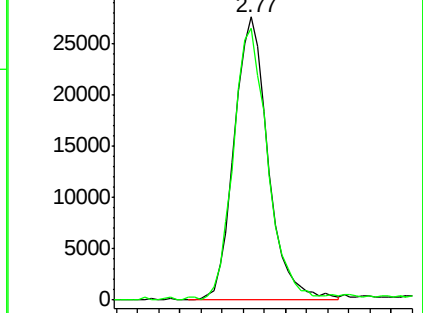
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.133 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065500.D

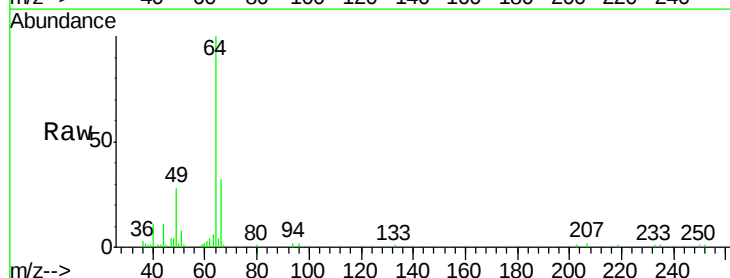
Acq: 13 Mar 2020 12:09

Tgt Ion: 64 Resp: 59743

Ion Ratio Lower Upper

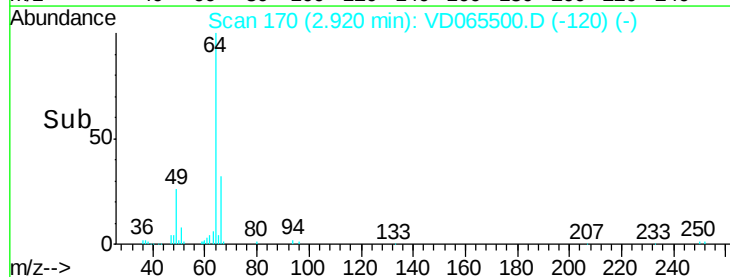
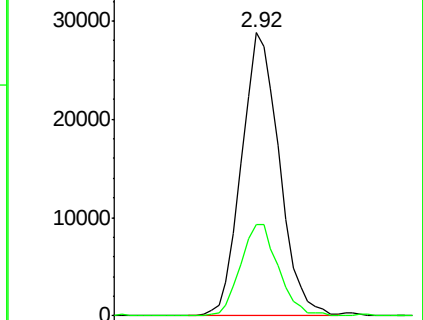
64 100

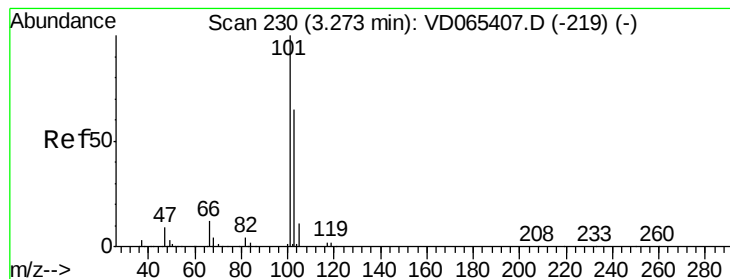
66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

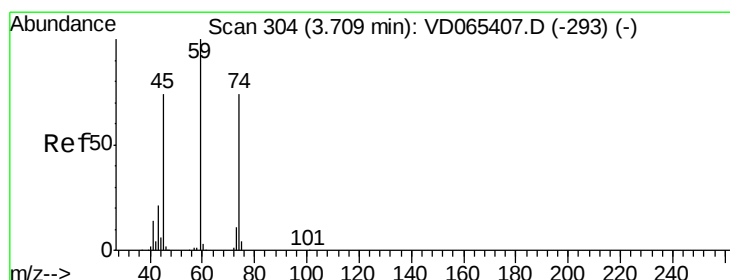
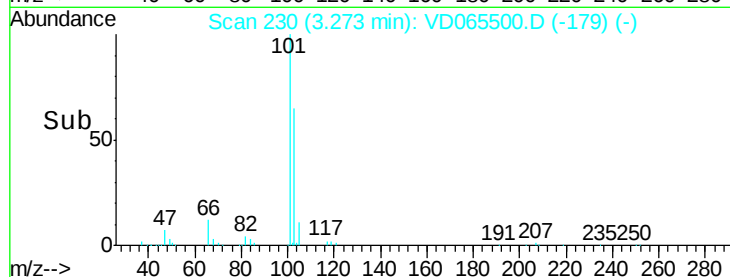
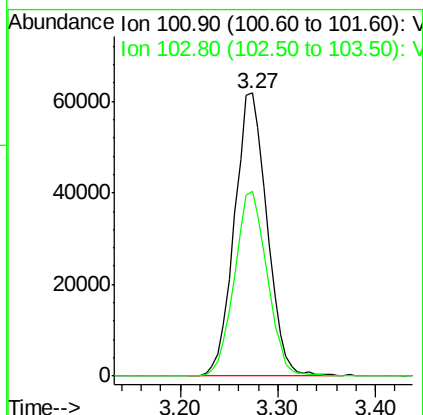
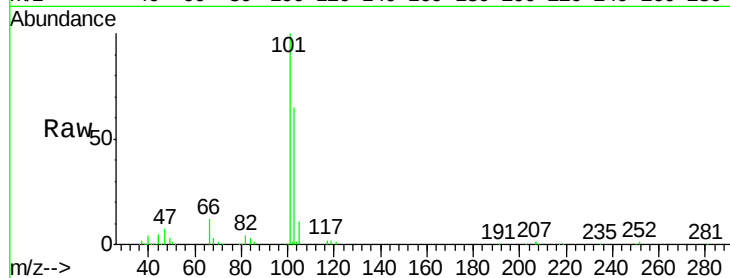
Trichlorofluoromethane
 Concen: 21.060 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.1	78.1

Manual Integrations
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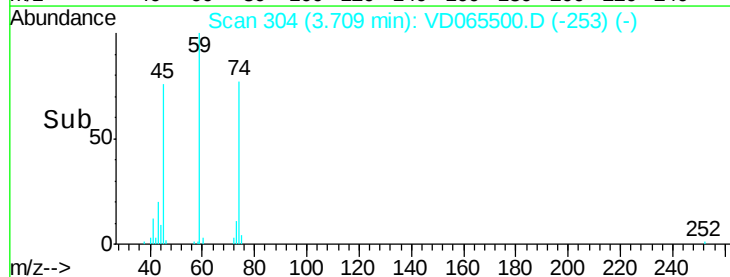
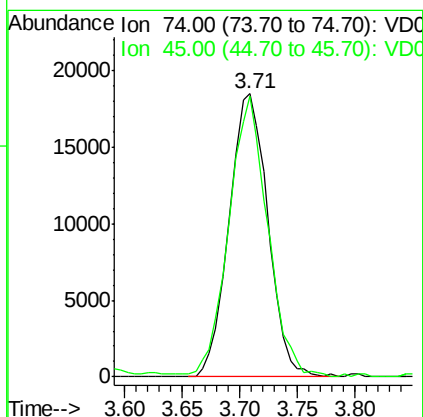
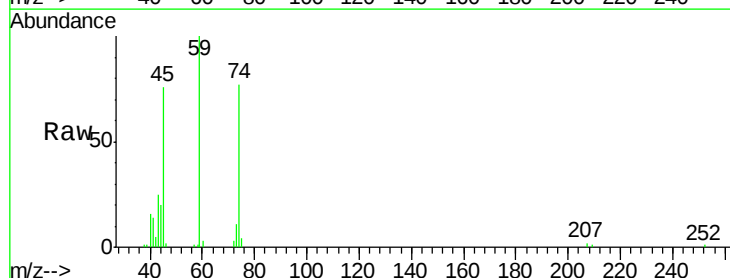
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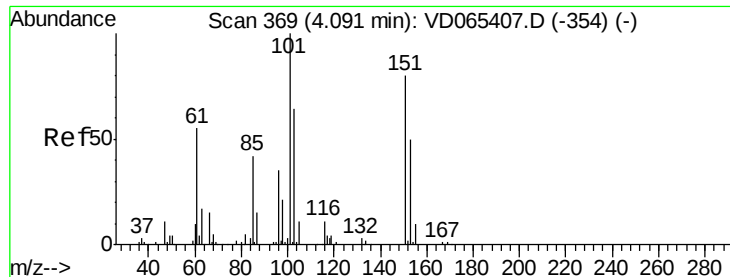


#8

Diethyl Ether
 Concen: 21.309 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.765 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

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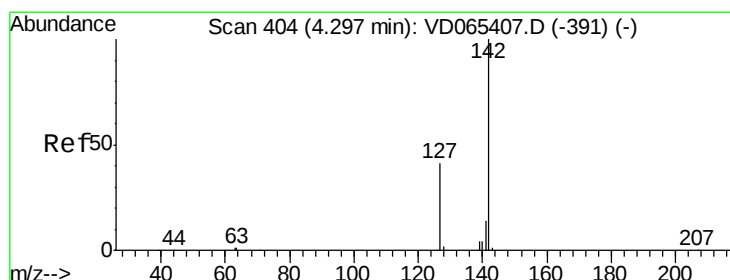
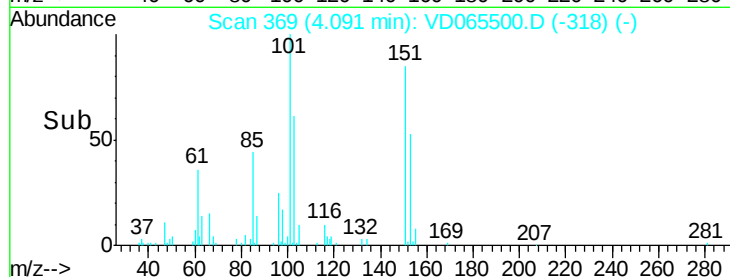
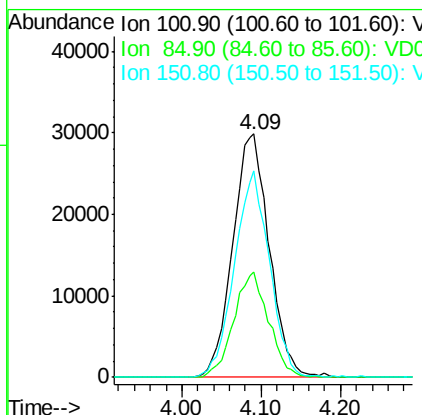
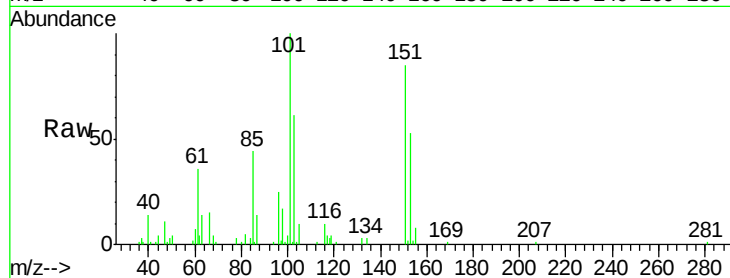
ClientSampleId :

VD0313SBS01

Tot Ion:	101	Resp:	95340
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.2	51.2
151	81.7	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.460 ug/l

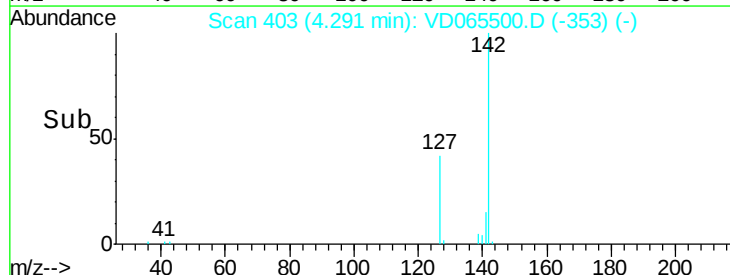
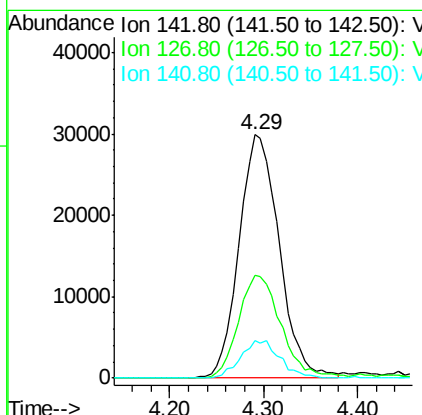
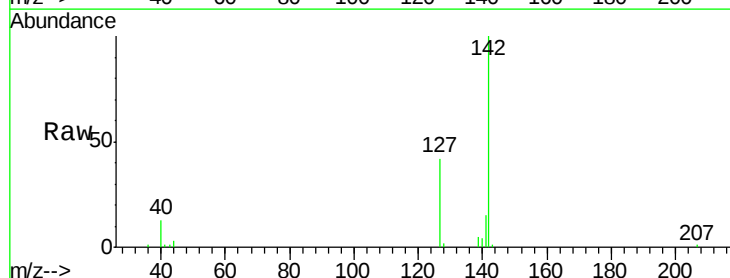
RT: 4.29 min Scan# 403

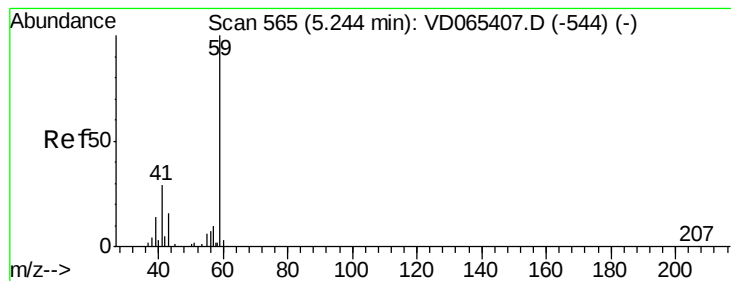
Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion:	142	Resp:	88560
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.0	52.6
141	15.0	12.4	18.6





#11

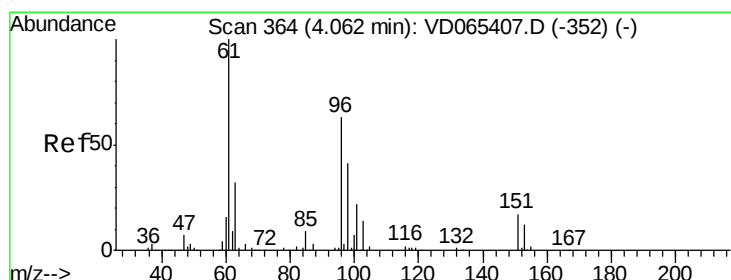
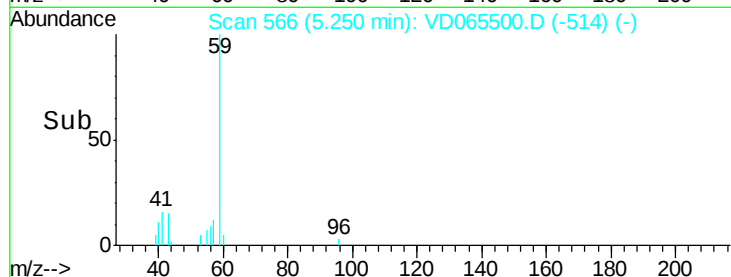
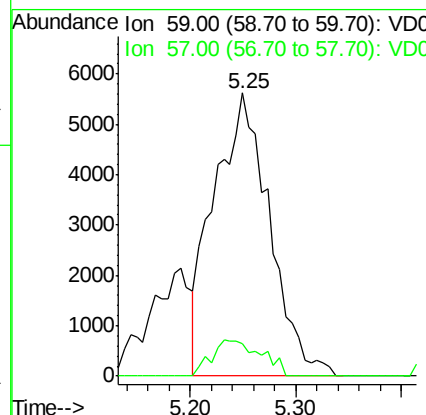
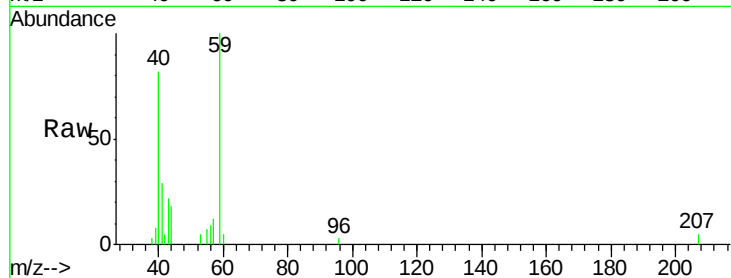
Tert butyl alcohol
 Concen: 92.429 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20511		
57	11.4	6.9	10.3	

Manual Integrations
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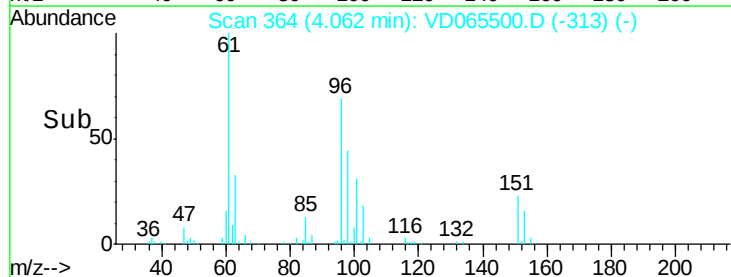
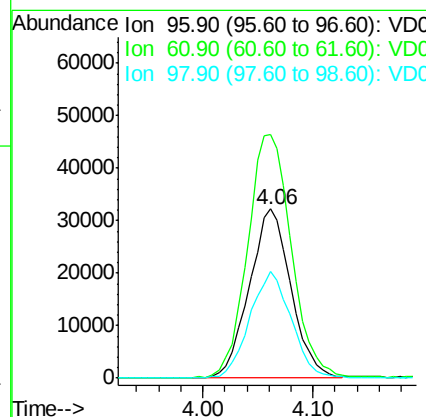
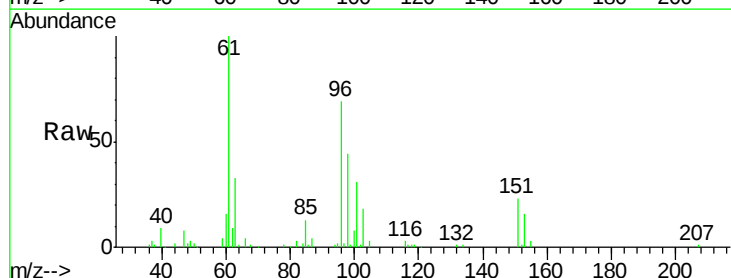
MMDadoda
 3/16/2020 2:05:26 PM

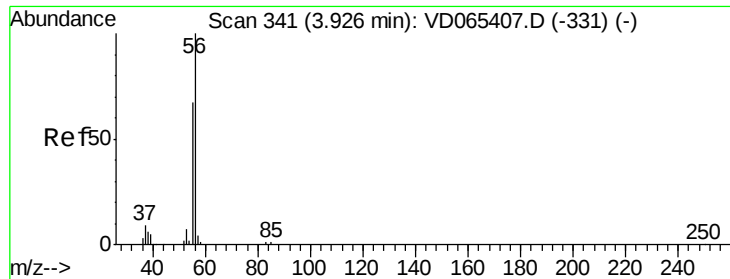


#12

1,1-Dichloroethene
 Concen: 20.352 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	85364		
61	144.2	128.0	192.0	
98	63.5	51.9	77.9	





#13

Acrolein

Concen: 79.577 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 56 Resp: 30455

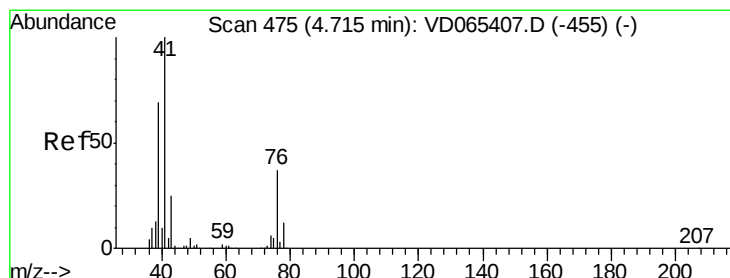
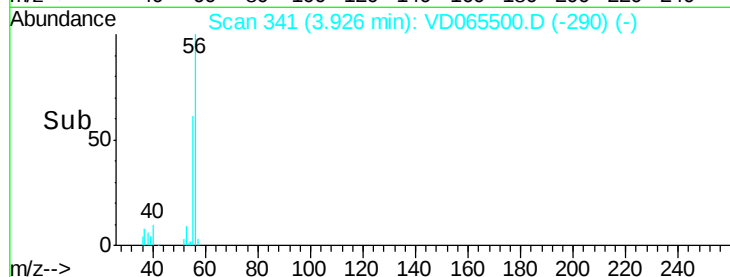
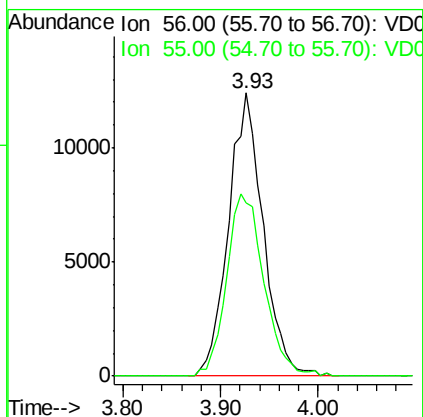
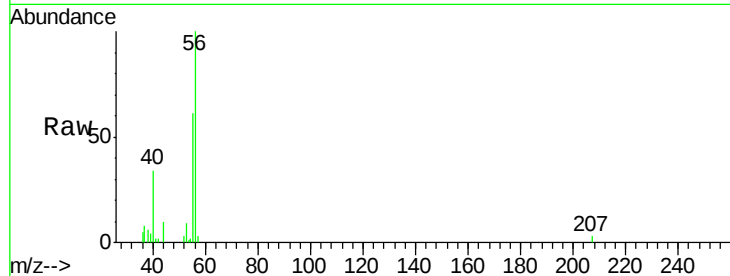
Ion Ratio Lower Upper

56 100

55 69.8 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 19.448 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

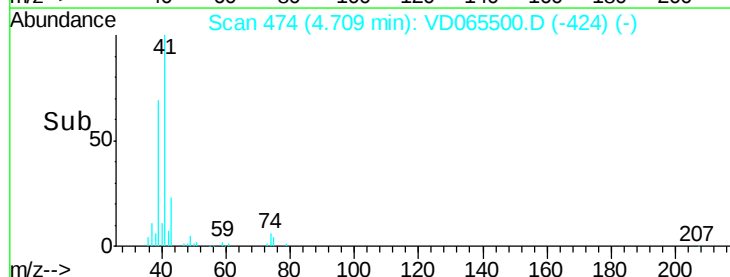
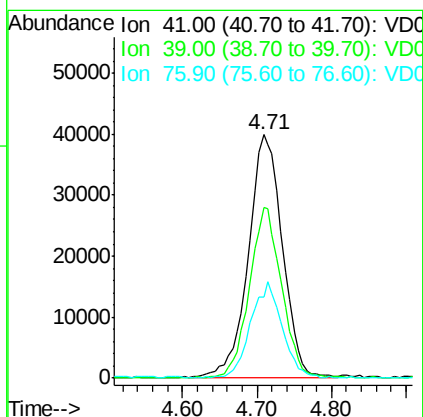
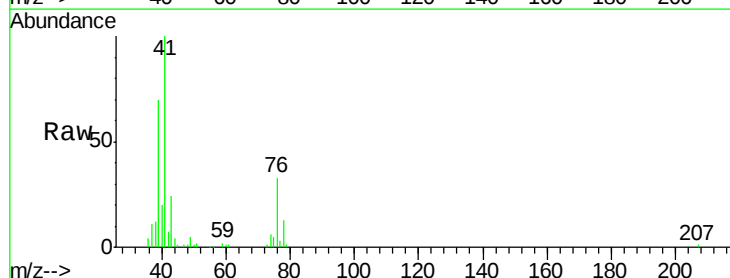
Tgt Ion: 41 Resp: 125309

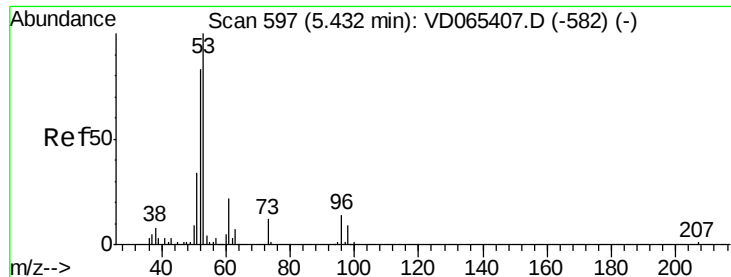
Ion Ratio Lower Upper

41 100

39 67.0 52.6 79.0

76 36.8 29.2 43.8





#15

Acrylonitrile

Concen: 102.393 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

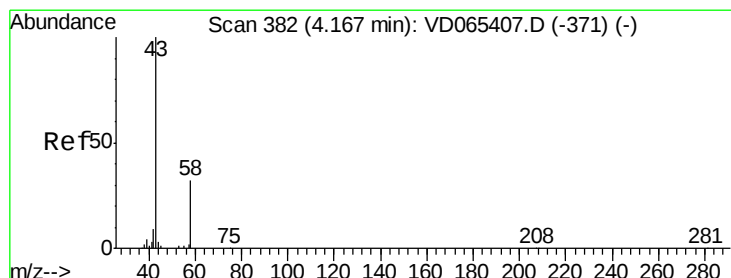
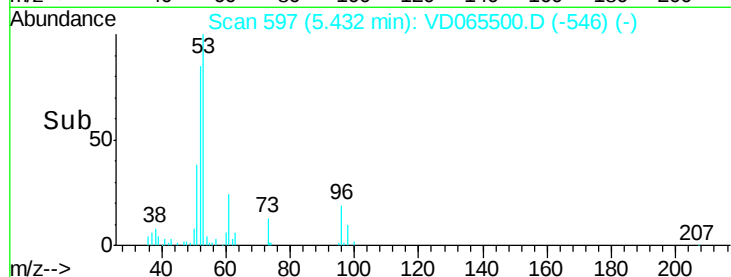
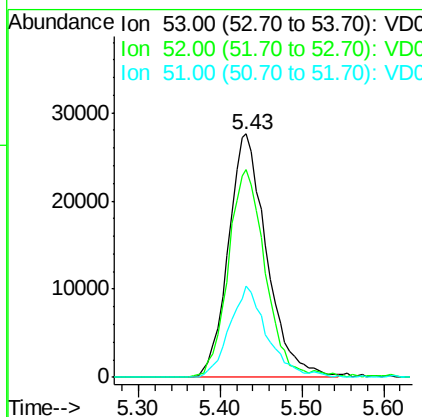
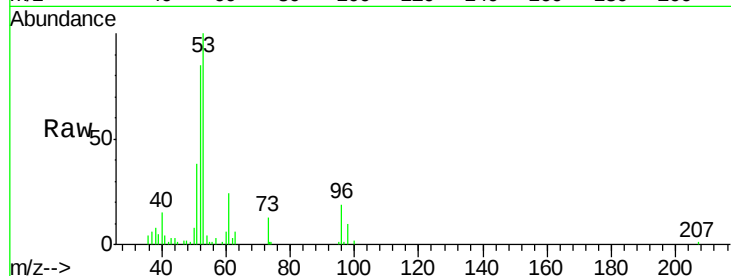
ClientSampleId :

VD0313SBS01

Tot Ion:	53	Resp:	90097
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.1	97.7
51	36.1	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 100.293 ug/l

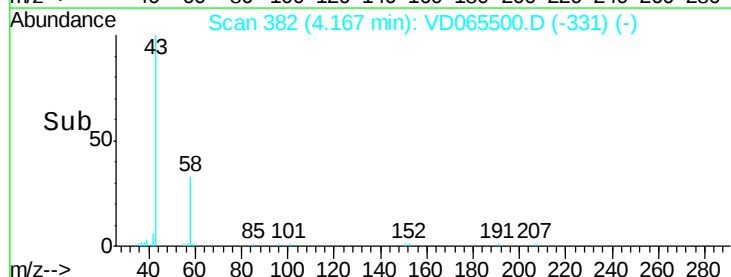
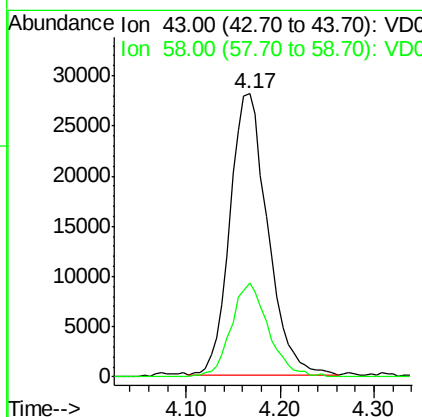
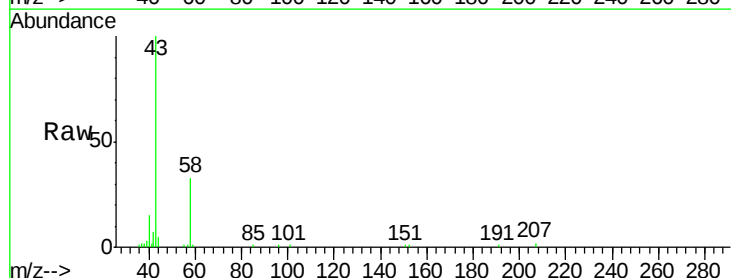
RT: 4.17 min Scan# 382

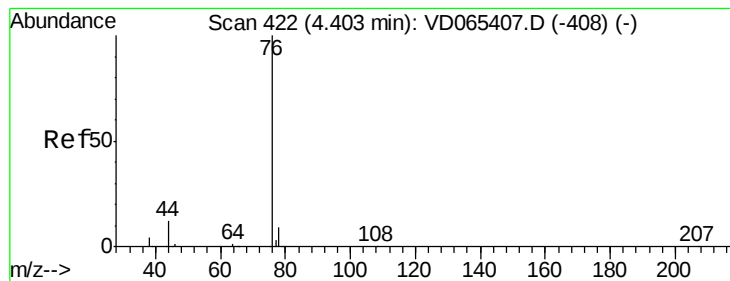
Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion:	43	Resp:	78471
Ion Ratio	Lower	Upper	
43	100		
58	33.3	25.1	37.7





#17

Carbon Disulfide

Concen: 19.816 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 76 Resp: 276801

Ion Ratio Lower Upper

76 100

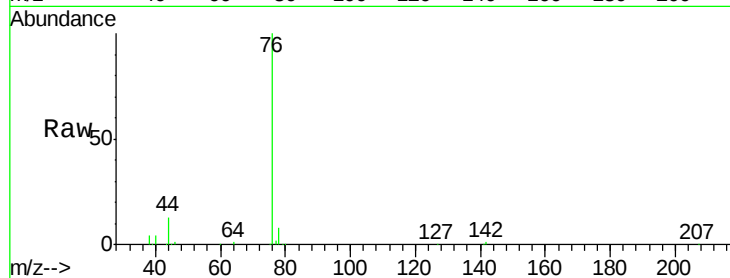
78 8.4 7.4 11.0

Manual Integrations

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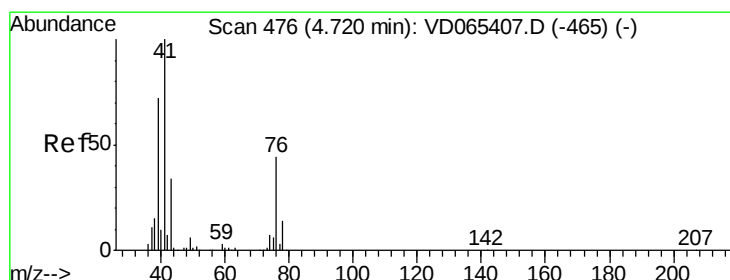
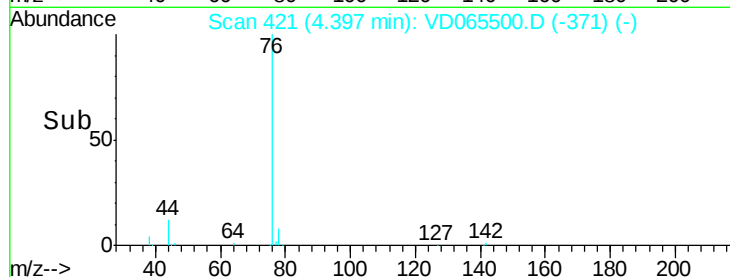
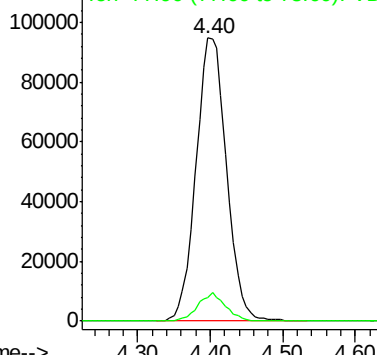
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.325 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065500.D

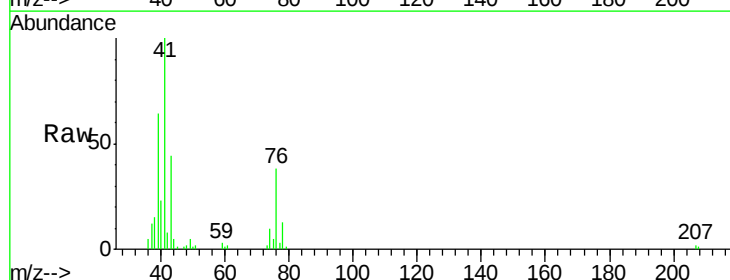
Acq: 13 Mar 2020 12:09

Tgt Ion: 43 Resp: 42325

Ion Ratio Lower Upper

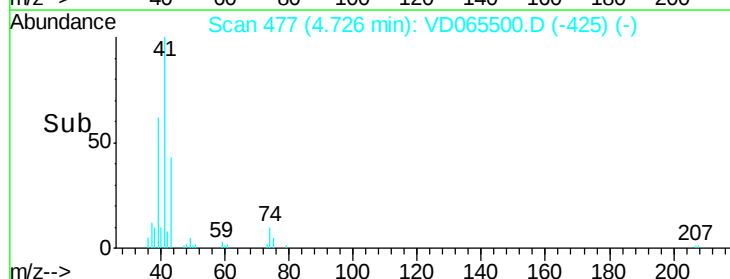
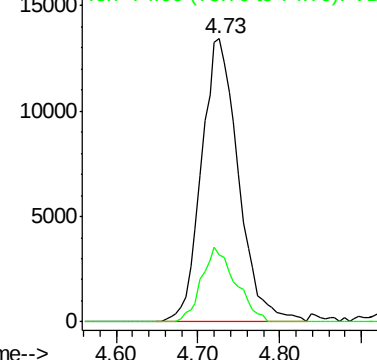
43 100

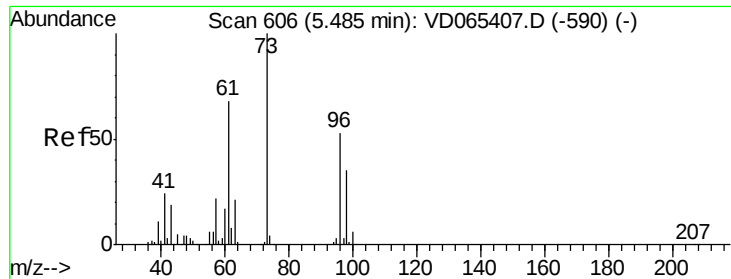
74 24.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





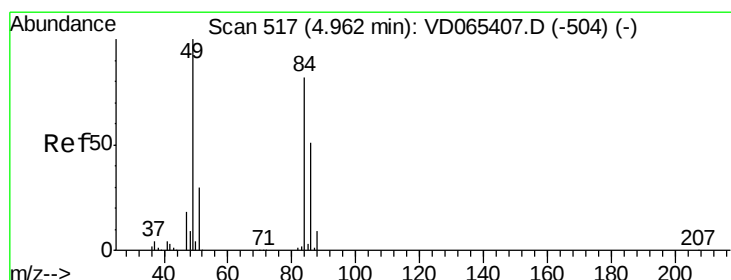
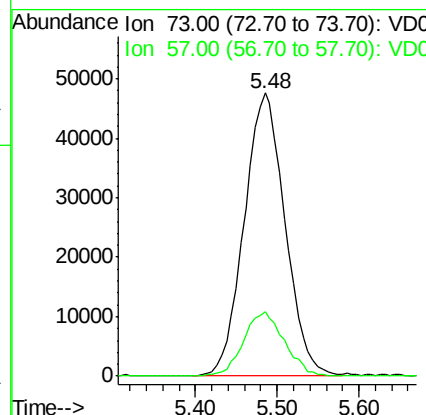
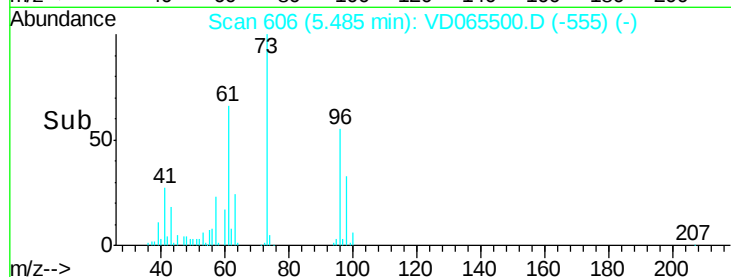
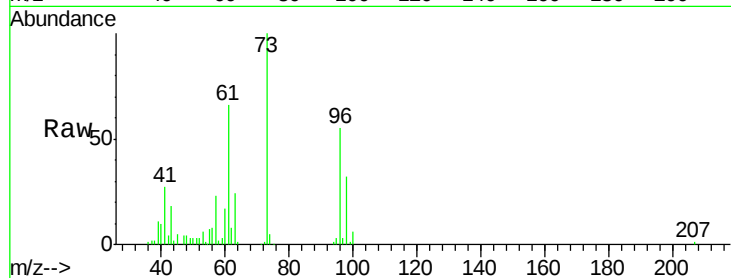
#19
Methvl tert-butvl Ether
Concen: 20.524 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion: 73 Resp: 165549
Ion Ratio Lower Upper
73 100
57 22.7 17.3 25.9

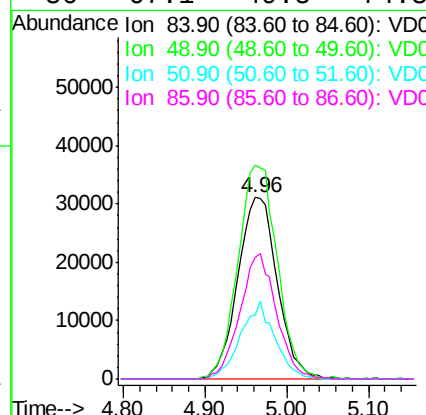
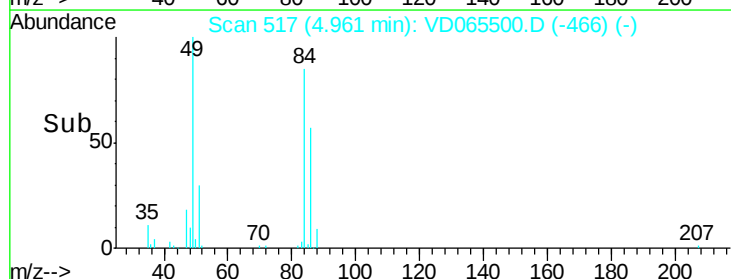
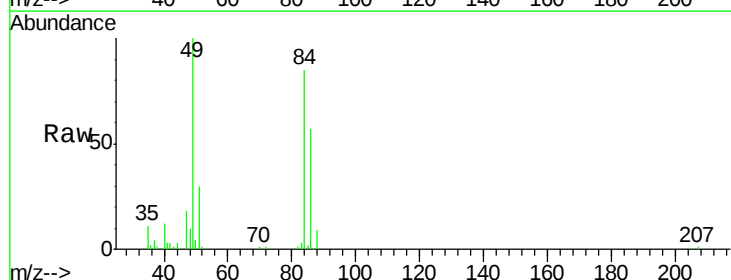
Manual Integrations
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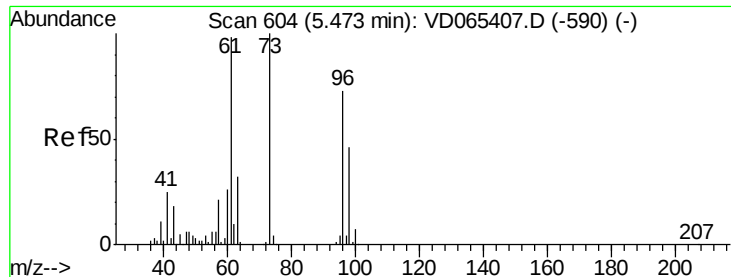
MMDadoda
3/16/2020 2:05:26 PM



#20
Methylene Chloride
Concen: 22.761 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 84 Resp: 104709
Ion Ratio Lower Upper
84 100
49 117.7 97.7 146.5
51 35.0 28.8 43.2
86 67.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.801 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 96 Resp: 97055

Ion Ratio Lower Upper

96 100

61 126.4 106.3 159.5

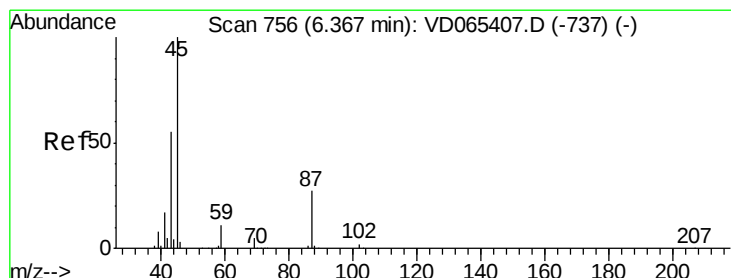
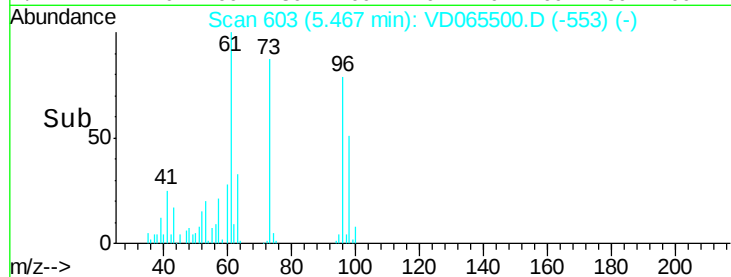
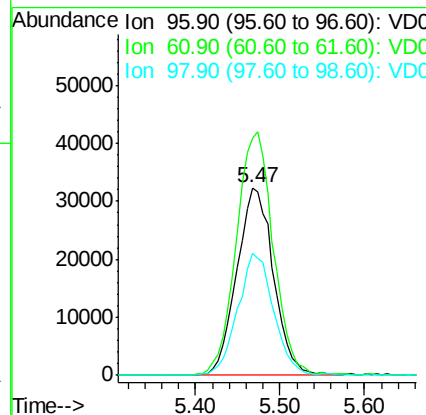
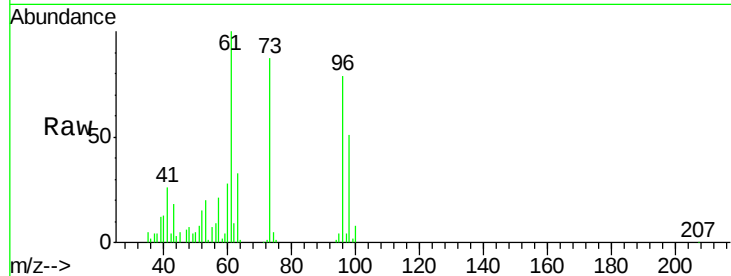
98 64.8 50.2 75.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.815 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion: 45 Resp: 261295

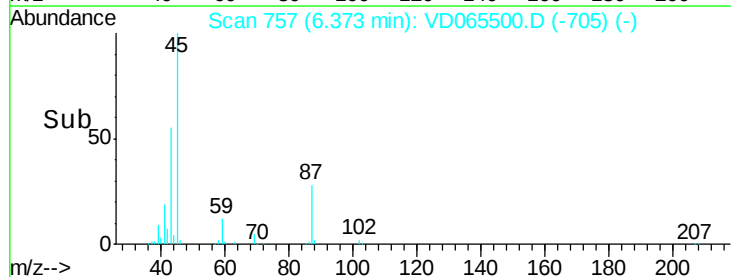
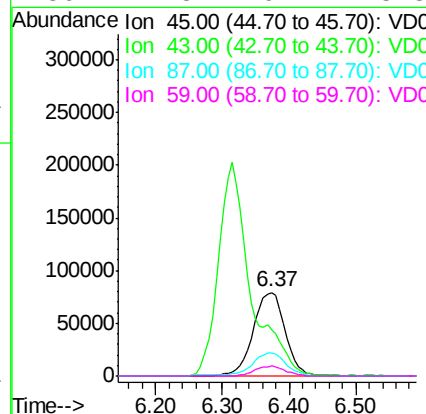
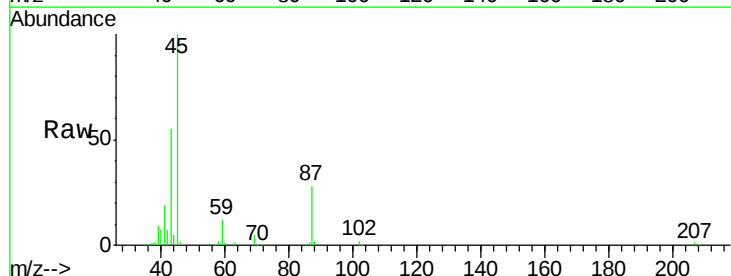
Ion Ratio Lower Upper

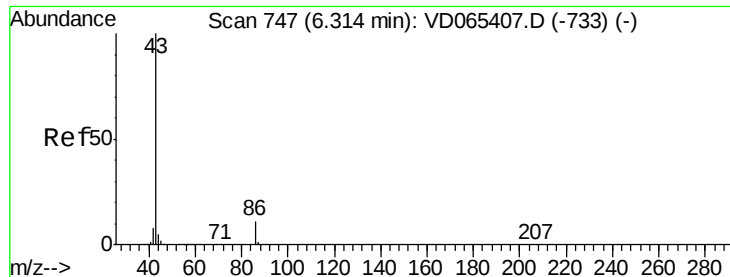
45 100

43 54.4 44.4 66.6

87 28.2 21.9 32.9

59 11.8 9.2 13.8





#23

Vinyl Acetate

Concen: 103.085 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 43 Resp: 685589

Ion Ratio Lower Upper

43 100

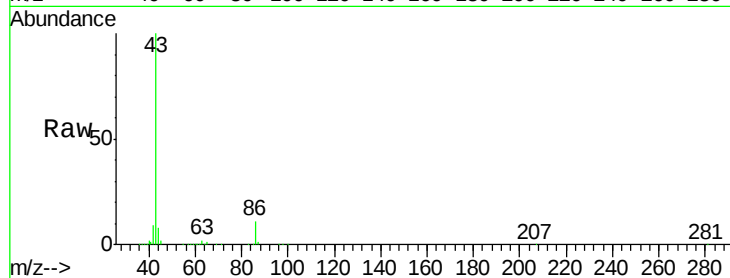
86 11.2 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

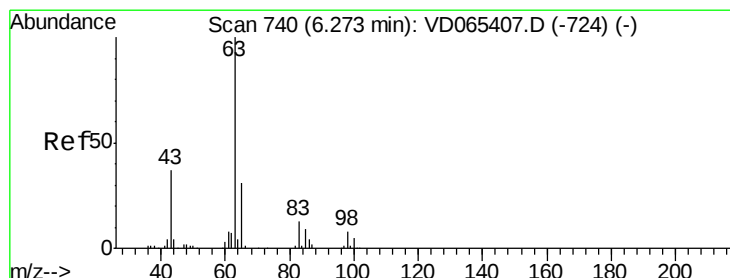
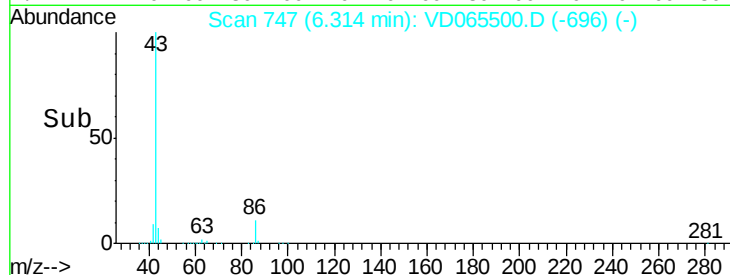
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.220 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

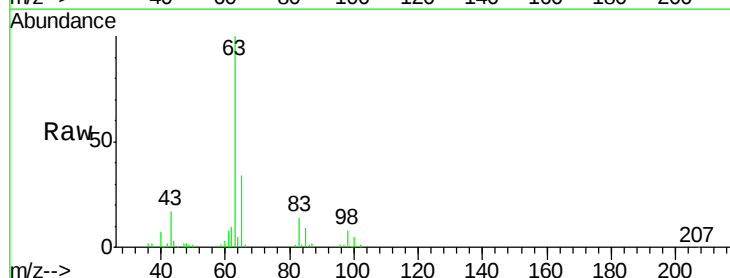
Tgt Ion: 63 Resp: 163031

Ion Ratio Lower Upper

63 100

98 7.8 4.2 12.6

100 5.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

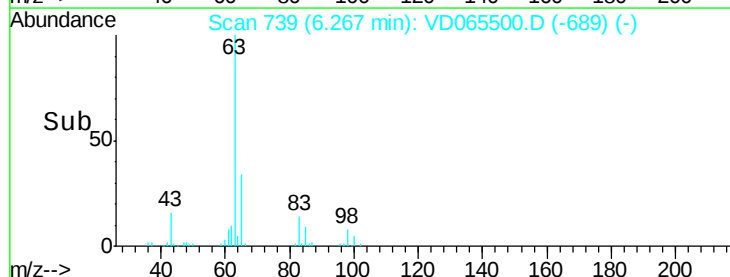
60000

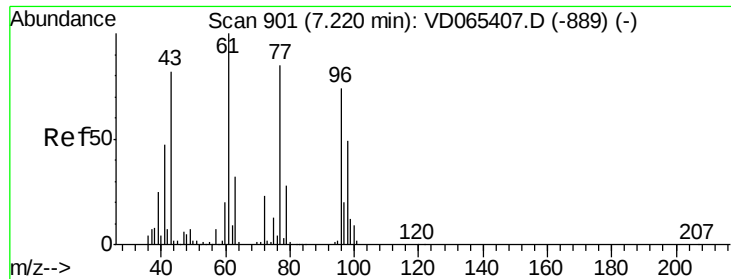
40000

20000

0

Time-->





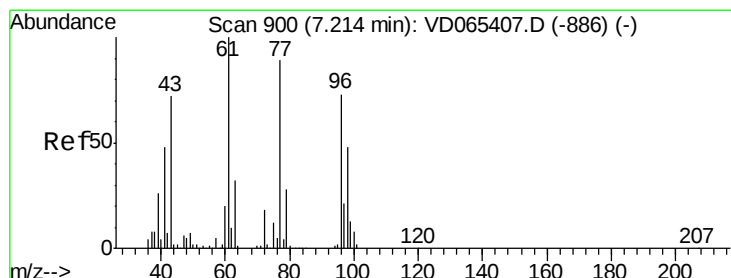
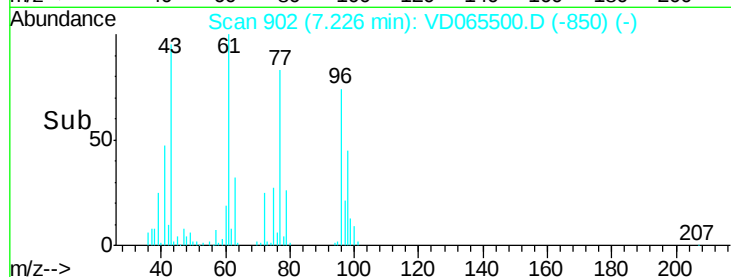
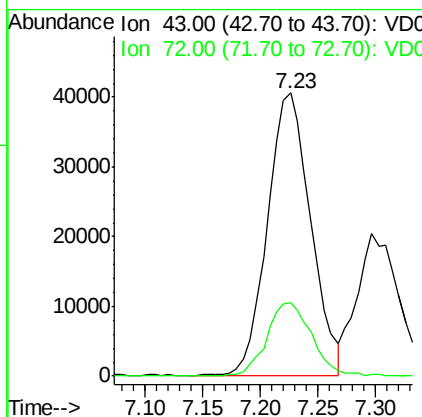
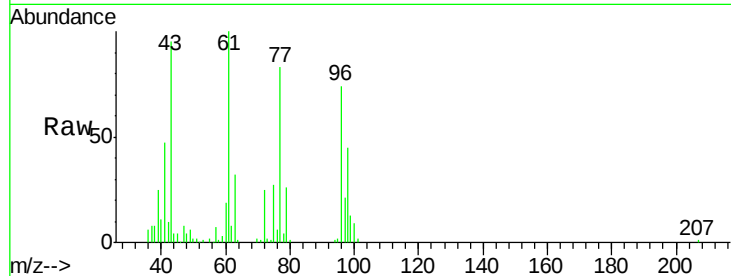
#25
2-Butanone
Concen: 99.543 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion: 43 Resp: 106285
Ion Ratio Lower Upper
43 100
72 26.1 22.3 33.5

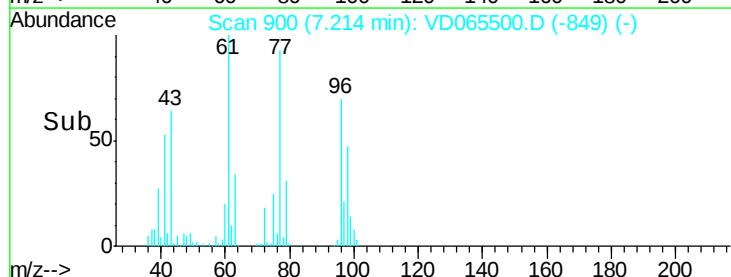
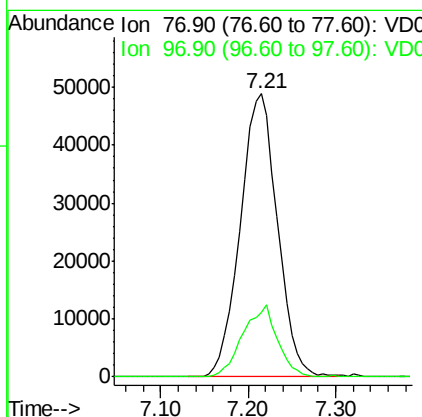
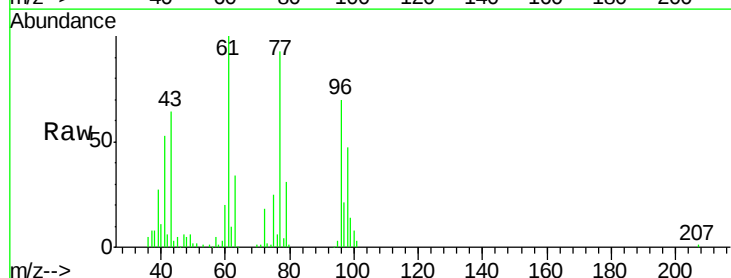
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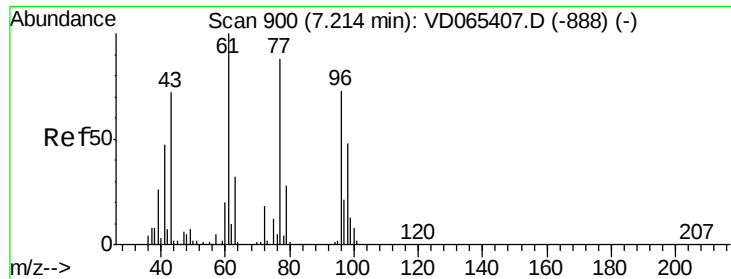
MMDadoda
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#26
2,2-Dichloropropane
Concen: 20.982 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 77 Resp: 140873
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.547 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

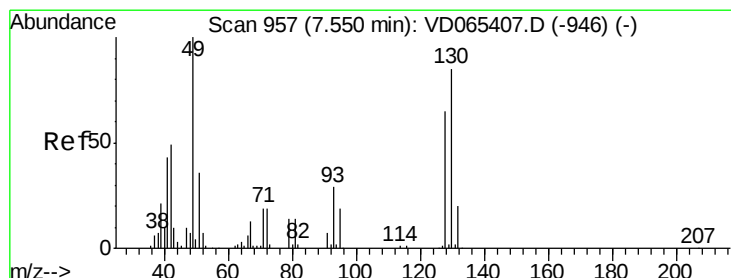
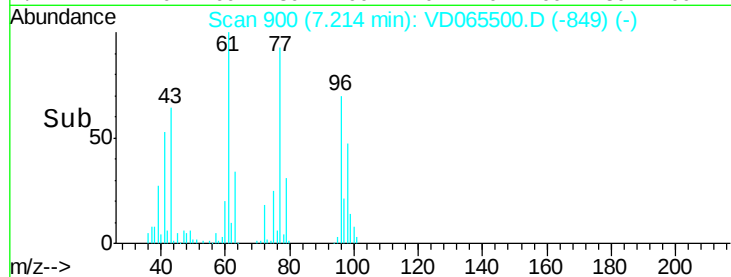
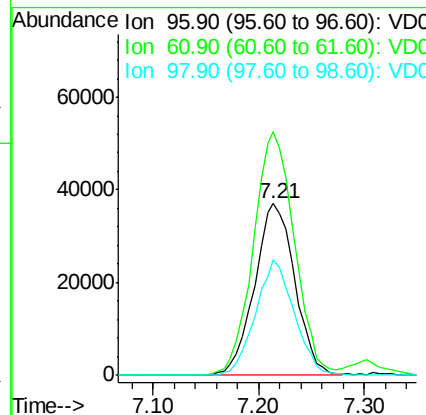
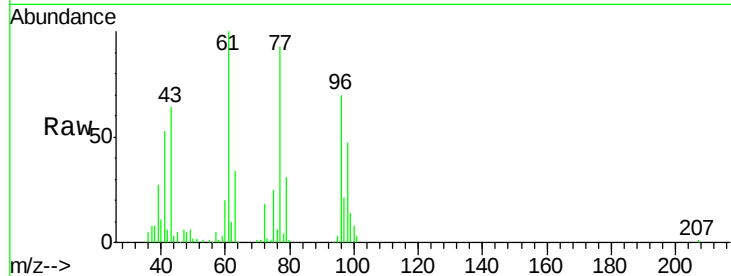
ClientSampleId :

VD0313SBS01

Tot Ion:	96	Resp:	97993
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	280.4
98	64.9	0.0	132.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.933 ug/l

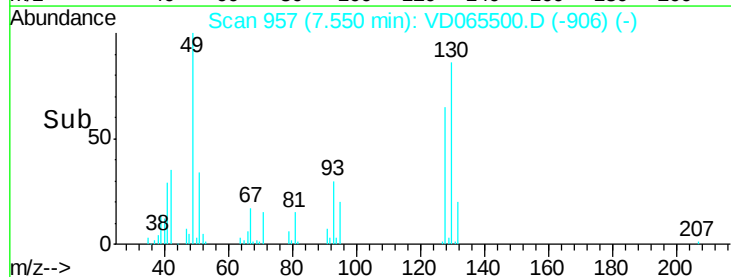
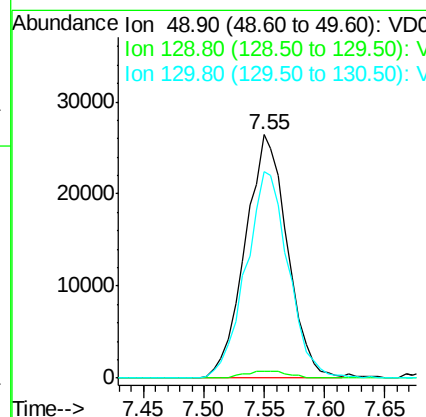
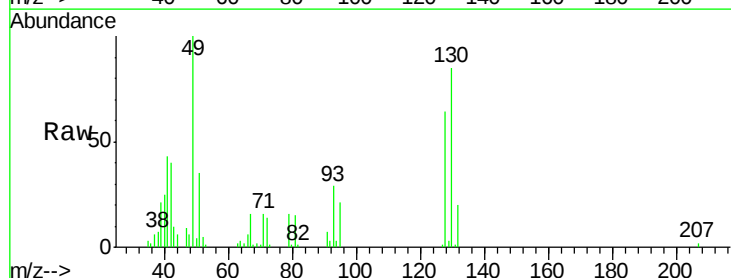
RT: 7.55 min Scan# 957

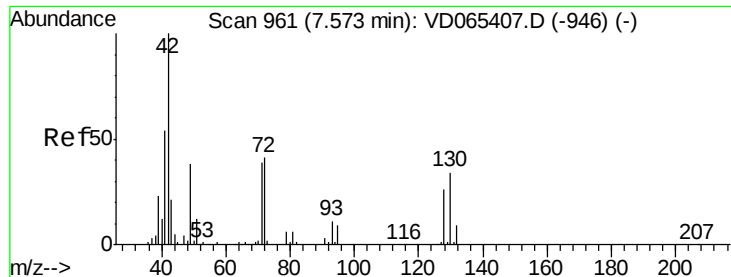
Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion:	49	Resp:	64343
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.6
130	85.6	66.6	100.0





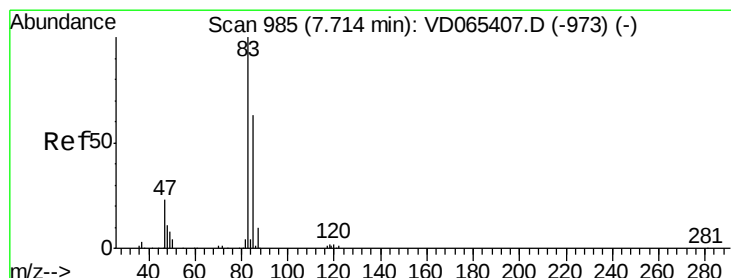
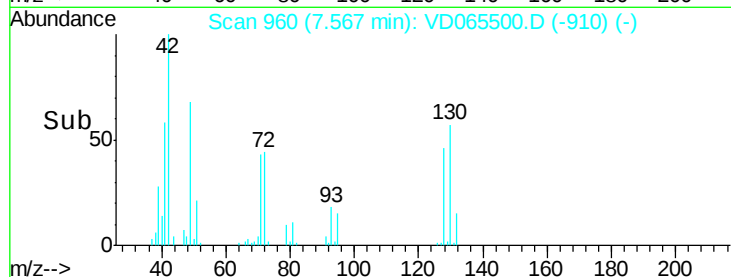
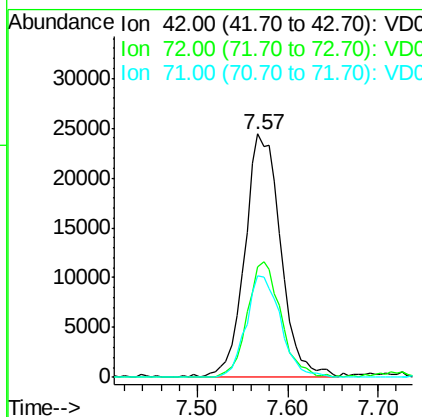
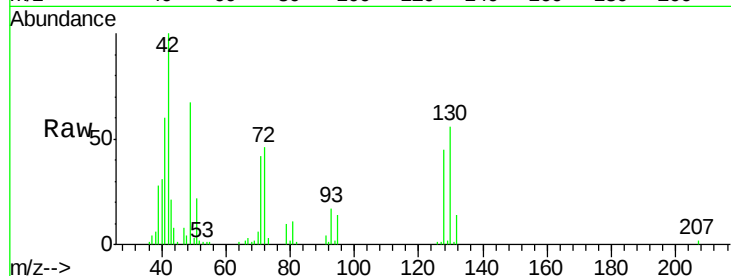
#29
Tetrahydrofuran
Concen: 98.514 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	33.0	49.6
71	40.2	32.0	48.0

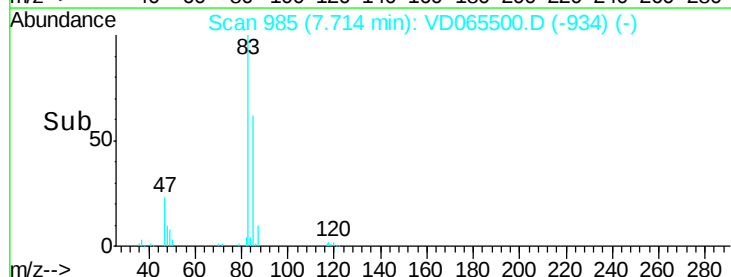
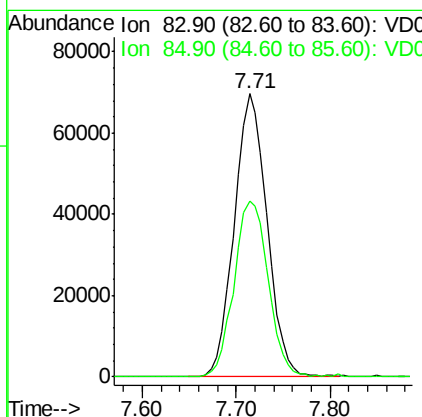
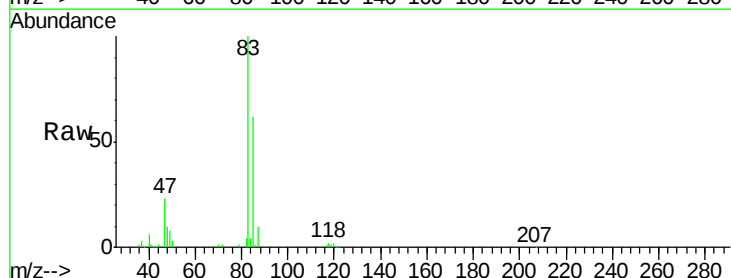
Manual Integrations
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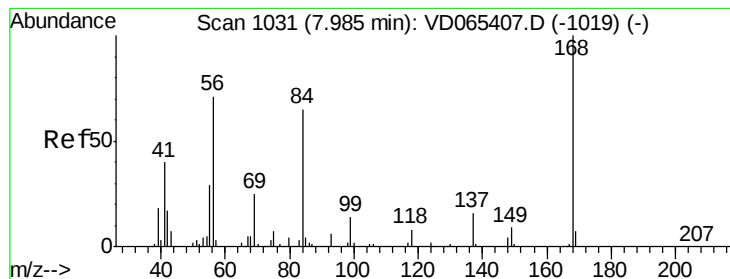
MMDadoda
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#30
Chloroform
Concen: 21.977 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.3	75.5





#31

Cyclohexane

Concen: 19.698 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

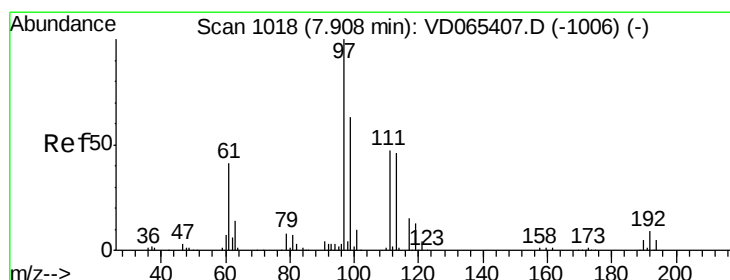
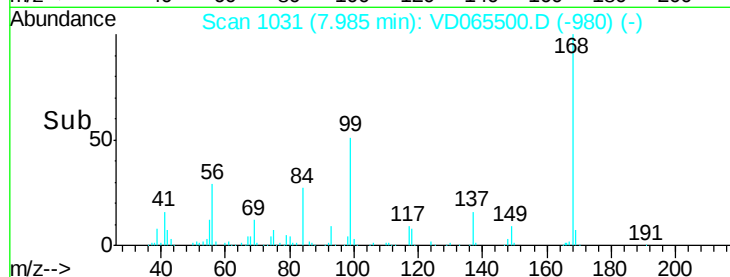
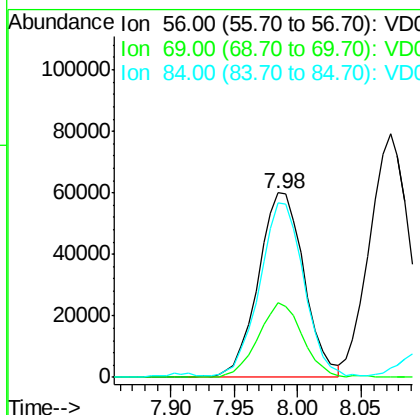
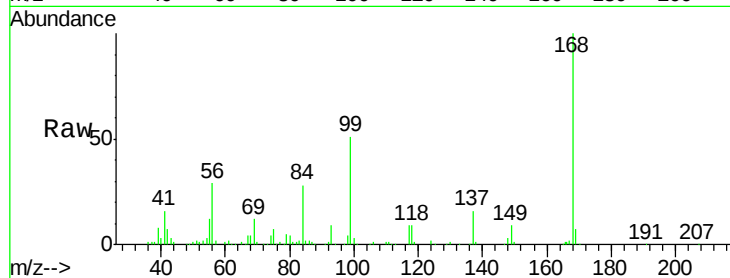
ClientSampleId :

VD0313SBS01

Tot Ion:	56	Resp:	151326
Ion Ratio	Lower	Upper	
56	100		
69	40.4	28.3	42.5
84	92.9	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.359 ug/l

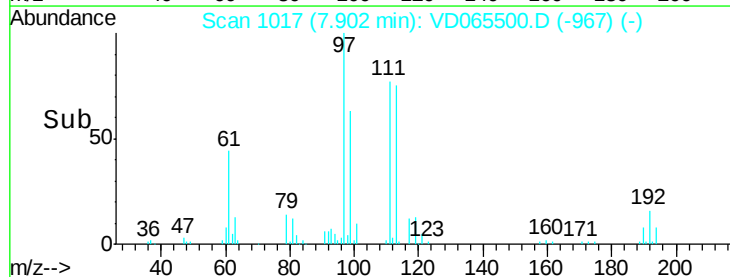
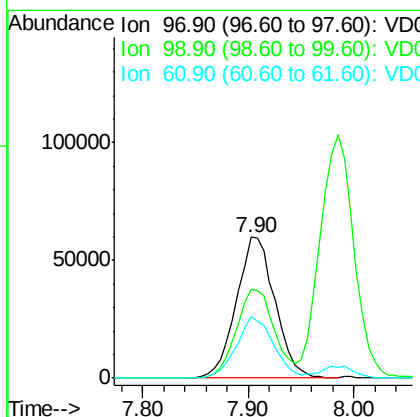
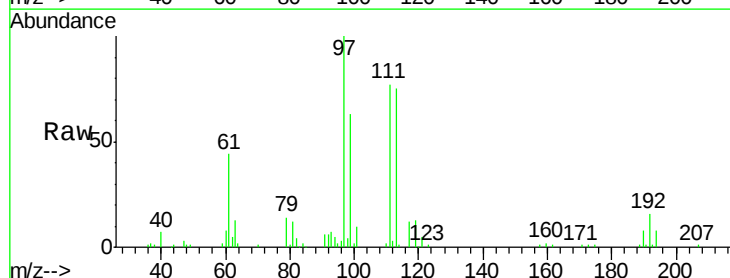
RT: 7.90 min Scan# 1017

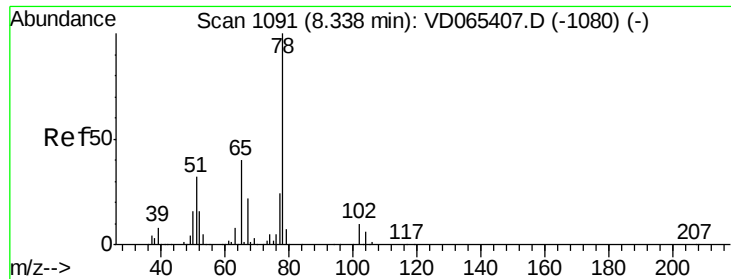
Delta R.T. -0.01 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion:	97	Resp:	151575
Ion Ratio	Lower	Upper	
97	100		
99	62.5	50.9	76.3
61	41.7	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 50.904 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 65 Resp: 196936

Ion Ratio Lower Upper

65 100

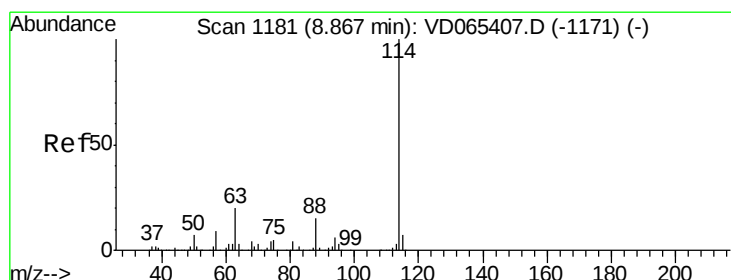
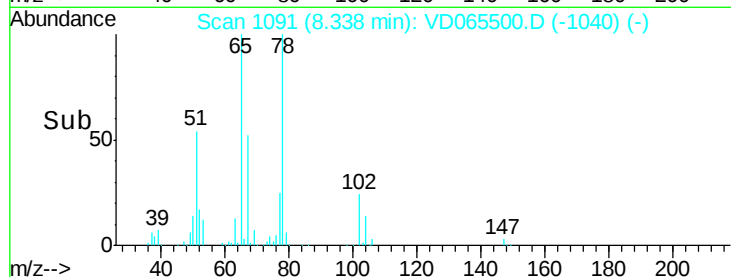
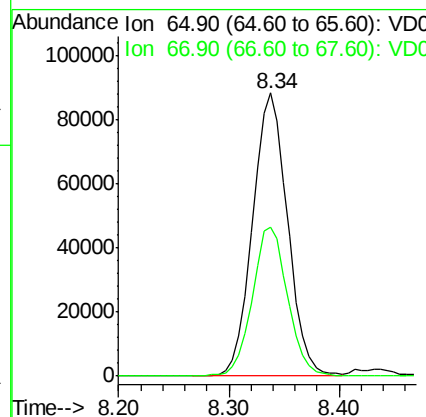
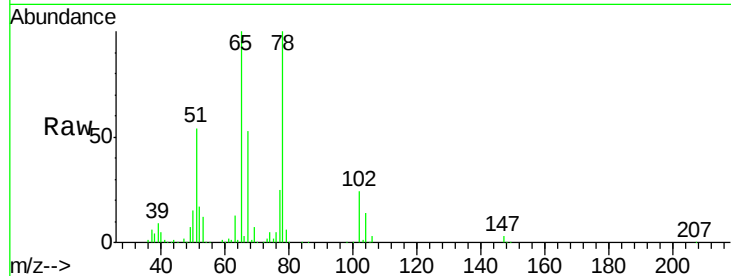
67 53.1 0.0 108.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

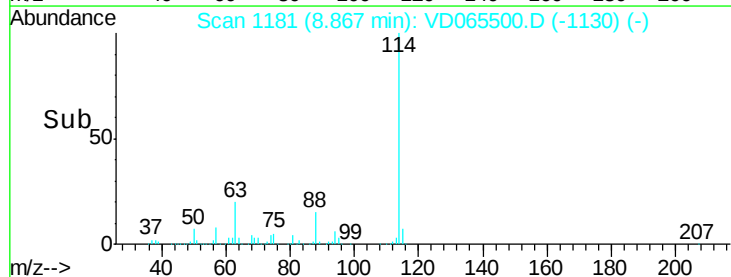
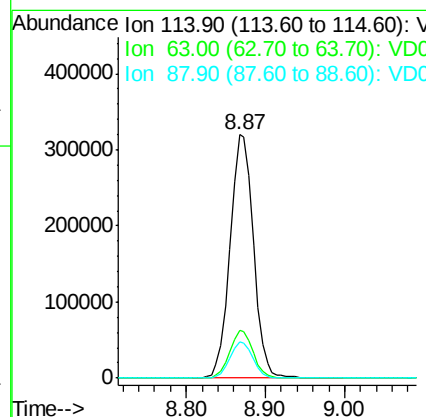
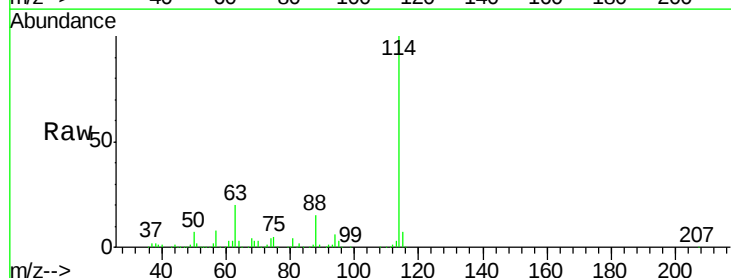
Tgt Ion: 114 Resp: 652515

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 14.8 0.0 30.4





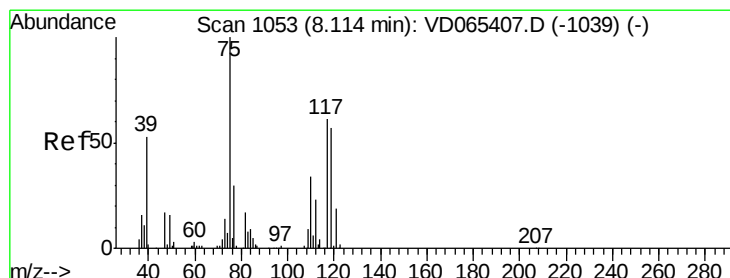
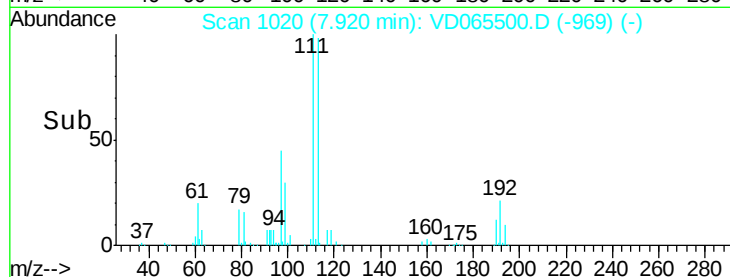
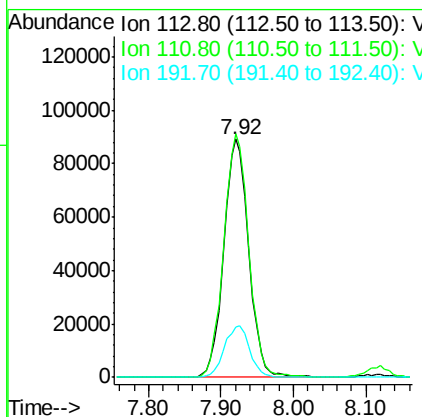
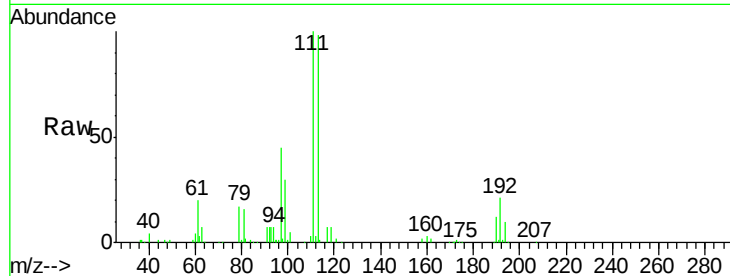
#35
 Dibromofluoromethane
 Concen: 52.496 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211831		
111	103.0	82.1	123.1	
192	22.0	17.2	25.8	

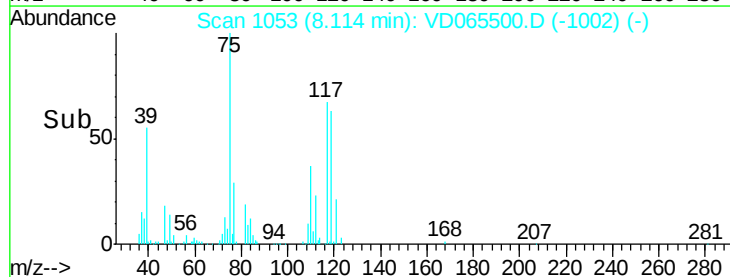
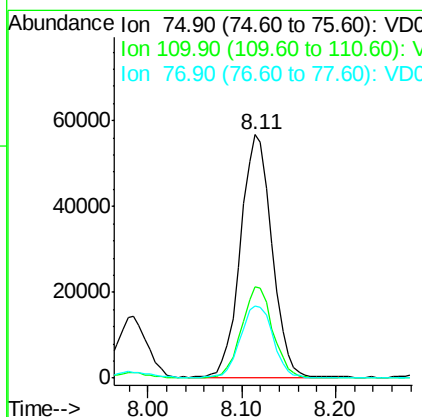
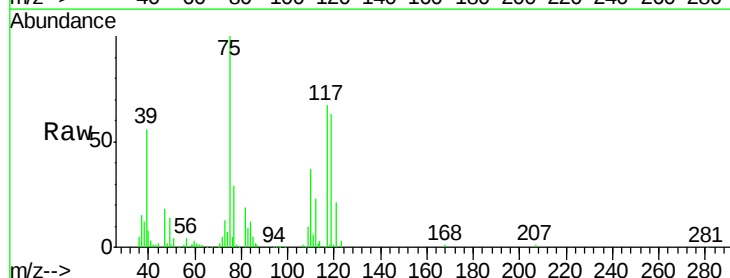
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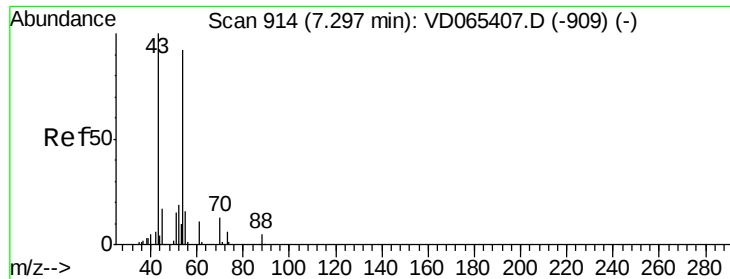
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#36
 1,1-Dichloropropene
 Concen: 21.043 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131619		
110	37.2	18.1	54.1	
77	31.1	25.2	37.8	





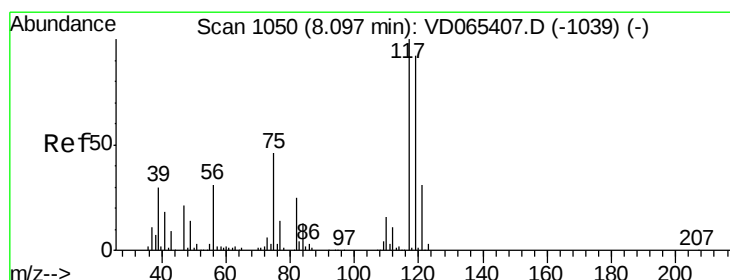
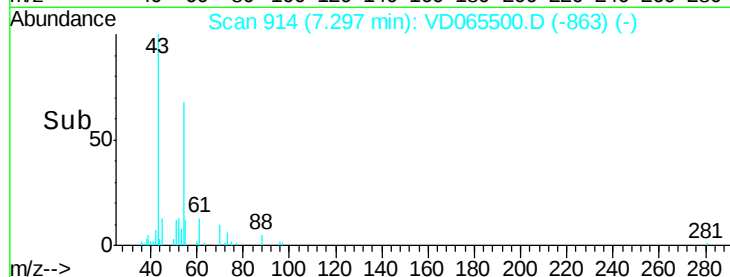
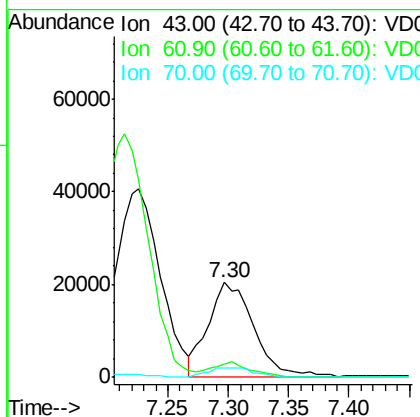
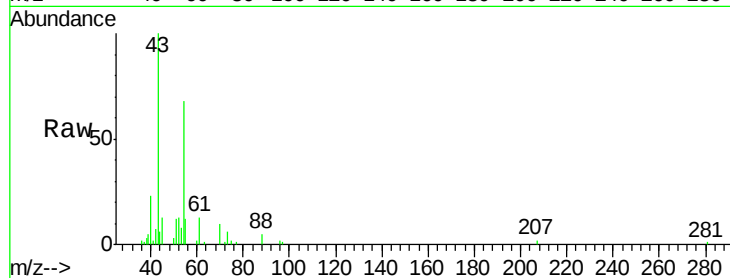
#37
Ethyl Acetate
Concen: 21.812 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	11.0	9.0	13.4

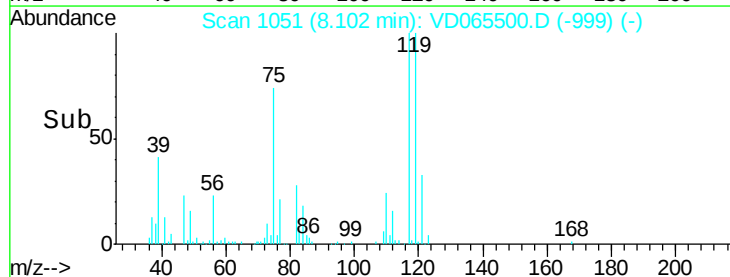
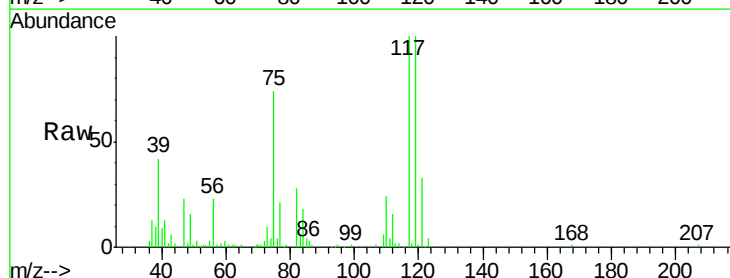
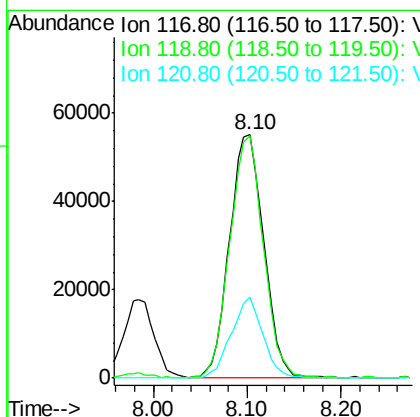
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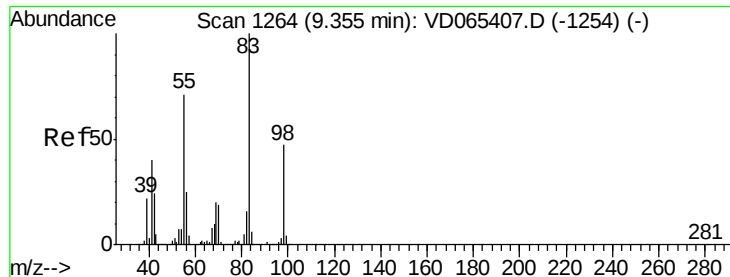
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#38
Carbon Tetrachloride
Concen: 21.433 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	73.3	109.9
121	33.2	25.0	37.4





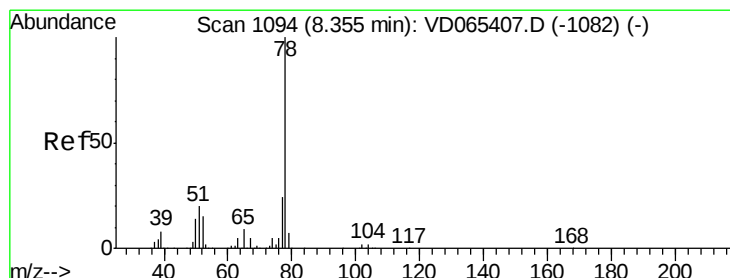
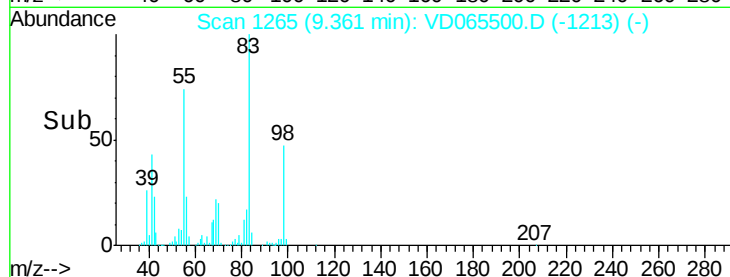
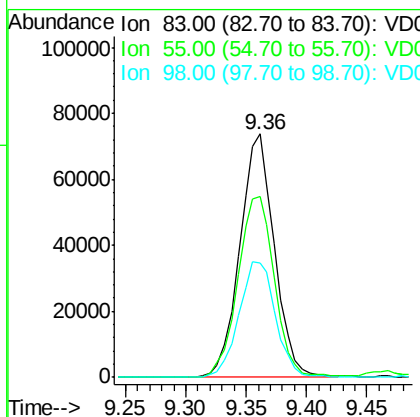
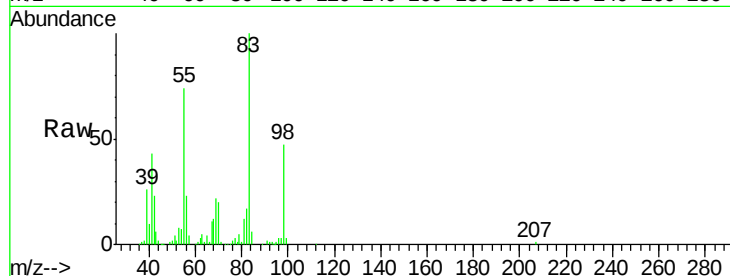
#39
Methvlcvclohexane
Concen: 19.475 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	57.1	85.7
98	47.1	37.8	56.8

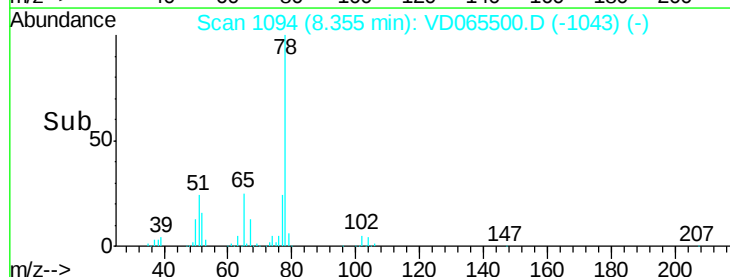
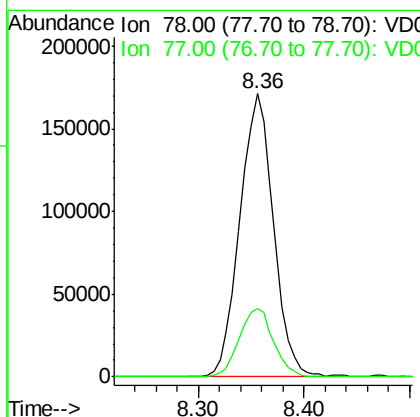
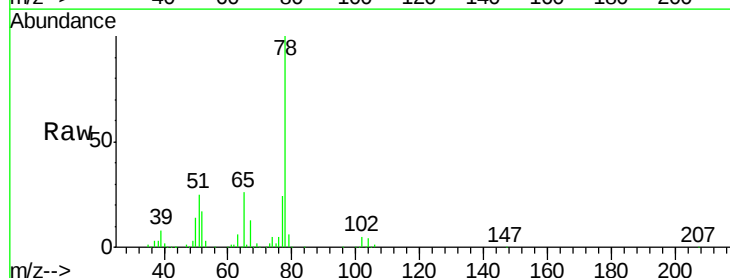
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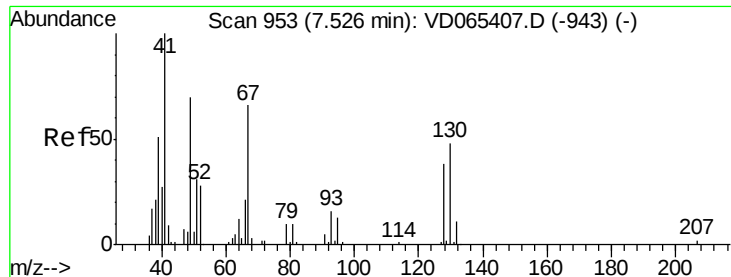
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#40
Benzene
Concen: 21.637 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





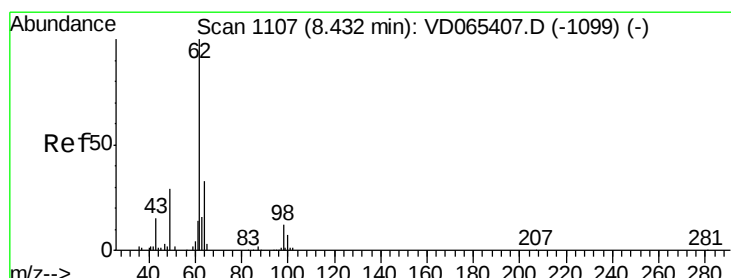
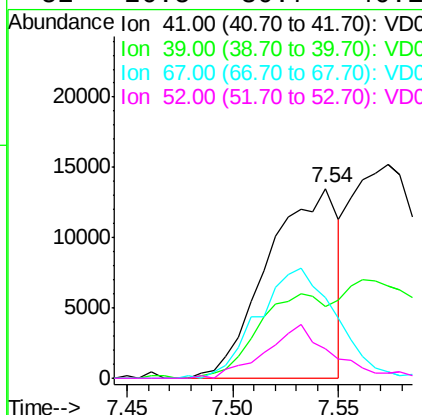
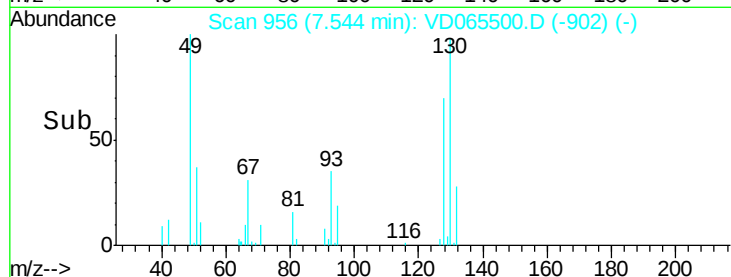
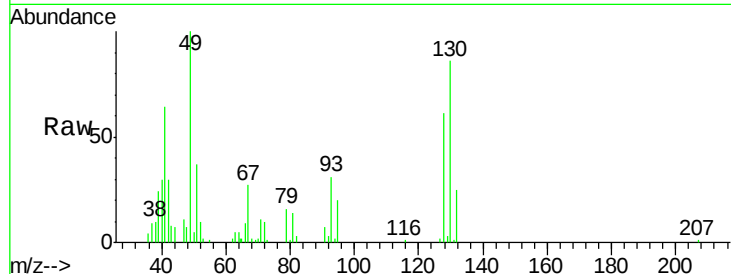
#41
Methacrylonitrile
Concen: 24.552 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.02 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.5	55.0	82.6#
67	64.1	70.3	105.5#
52	26.5	30.7	46.1#

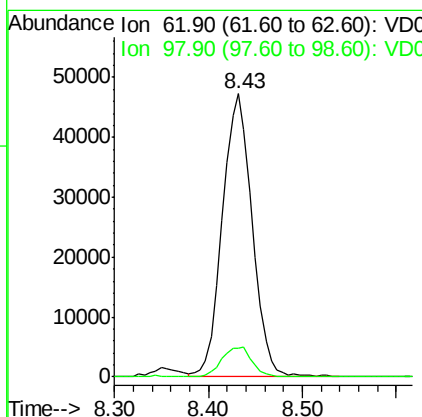
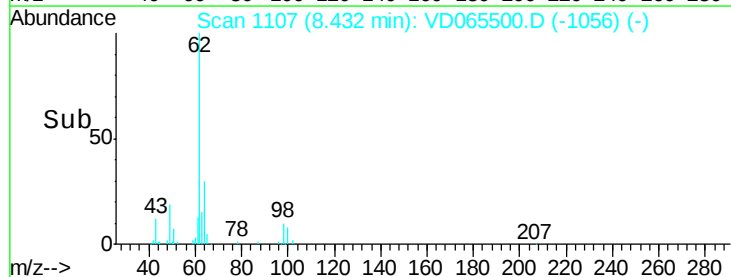
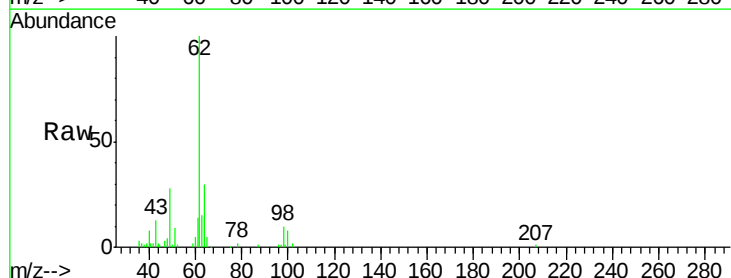
Manual Integrations
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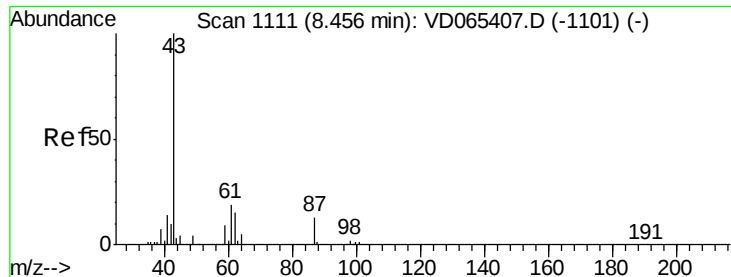
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#42
1,2-Dichloroethane
Concen: 22.878 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4





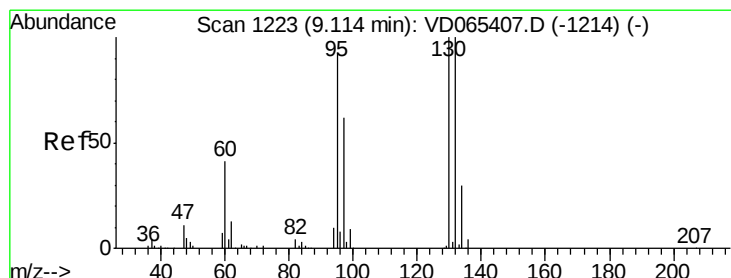
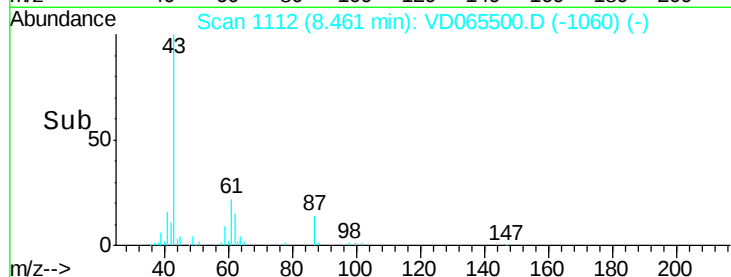
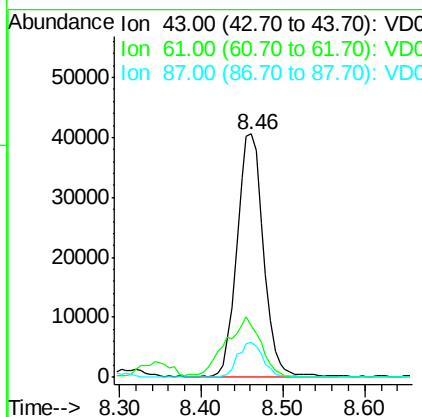
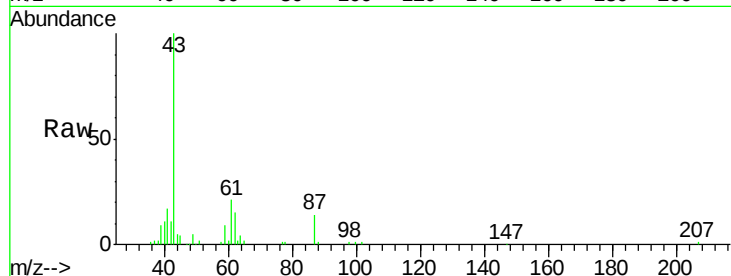
#43
Isopropyl Acetate
Concen: 20.587 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	43	Resp	91896
Ion Ratio	100	Lower	Upper
43	100		
61	32.8	25.0	37.6
87	13.7	11.0	16.4

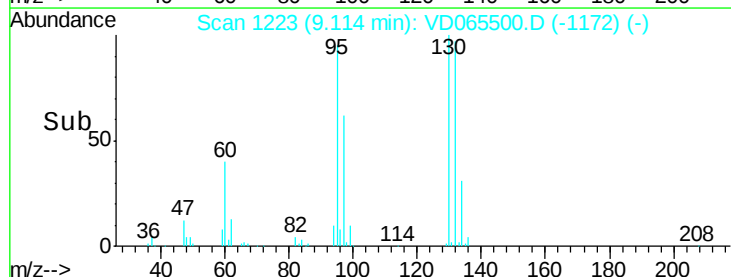
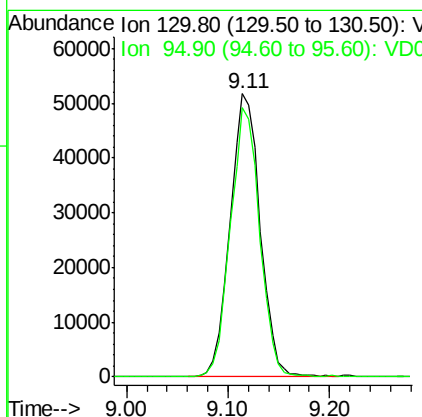
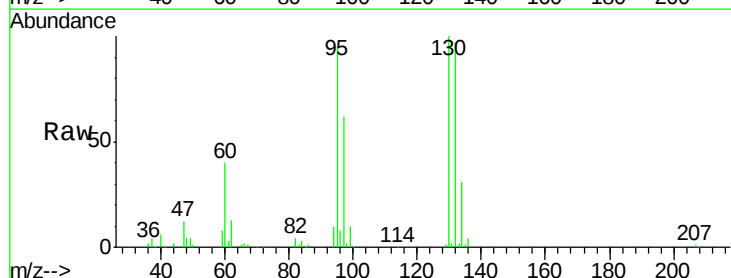
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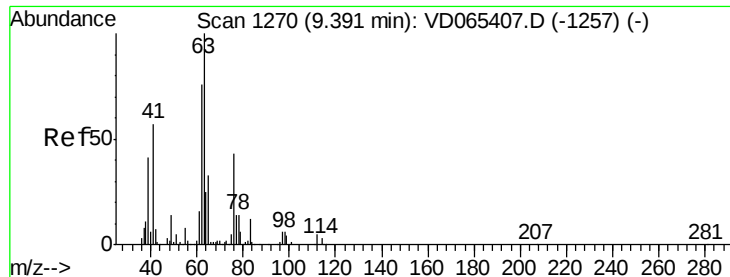
MMDadoda
3/16/2020 2:05:26 PM



#44
Trichloroethene
Concen: 21.537 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	130	Resp	106366
Ion Ratio	100	Lower	Upper
130	100		
95	95.2	0.0	186.0





#45

1,2-Dichloropropane

Concen: 22.677 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 63 Resp: 96062

Ion Ratio Lower Upper

63 100

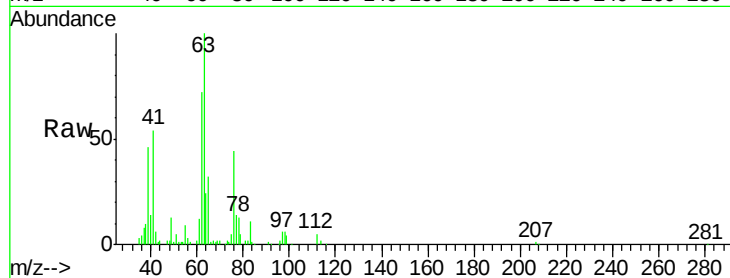
65 32.2 26.4 39.6

Manual Integrations

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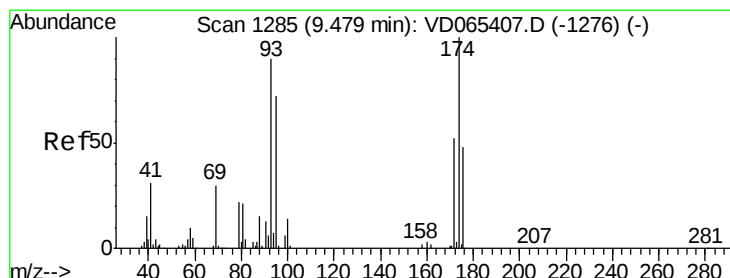
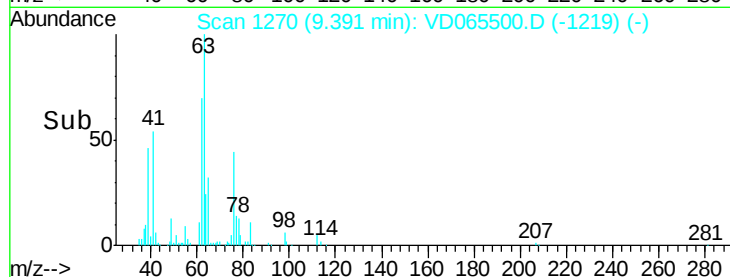
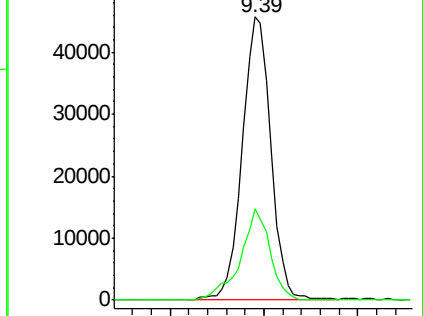
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.806 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

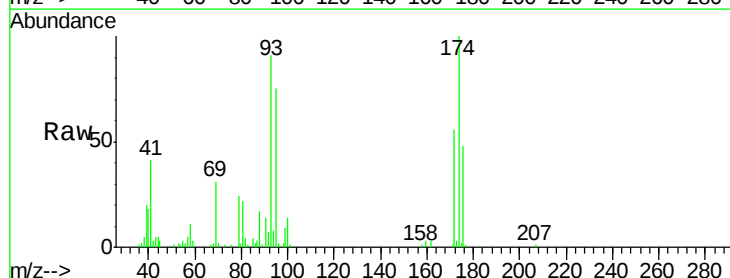
Tgt Ion: 93 Resp: 47915

Ion Ratio Lower Upper

93 100

95 84.8 65.0 97.6

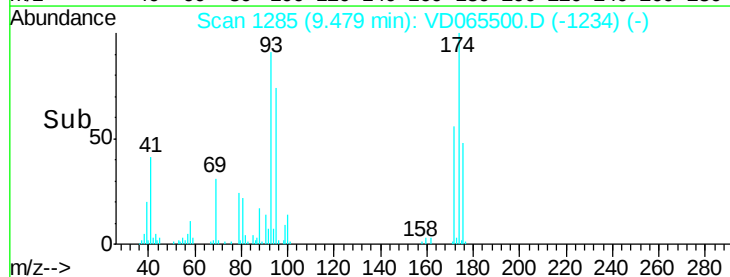
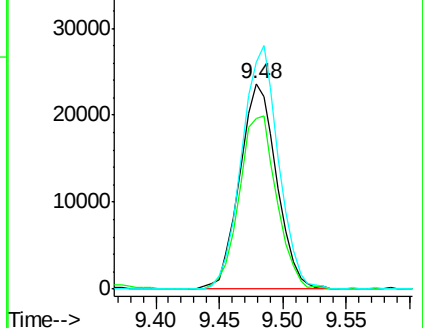
174 117.4 88.3 132.5

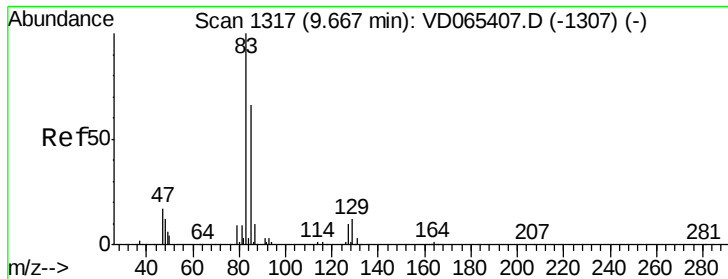


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.260 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

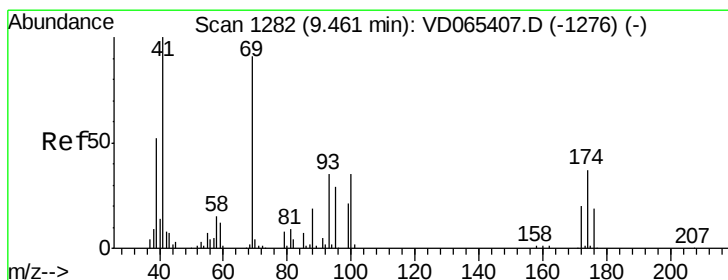
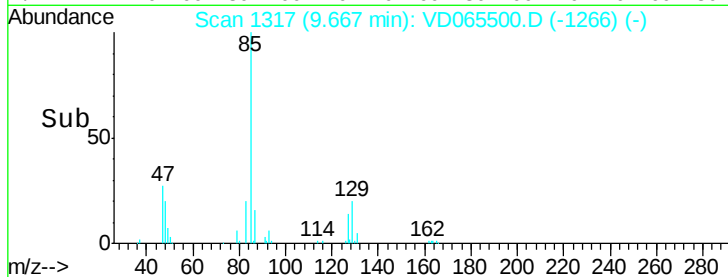
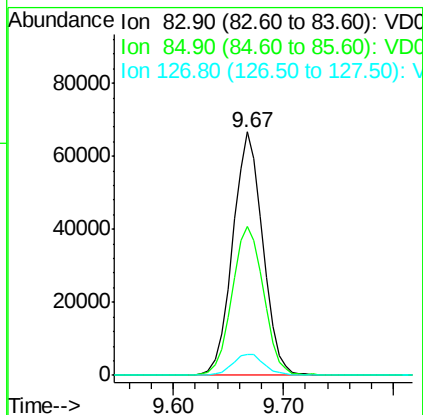
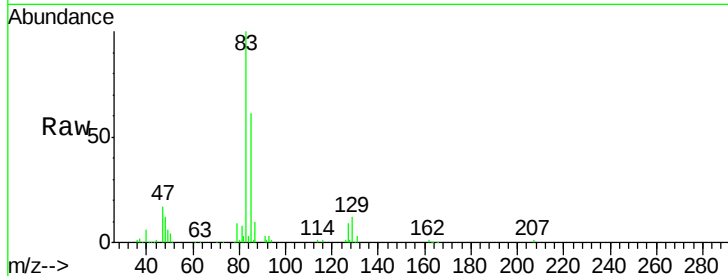
ClientSampleId :

VD0313SBS01

Tot Ion:	83	Resp:	127251
Ion Ratio	Lower	Upper	
83	100		
85	61.0	52.8	79.2
127	8.5	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.993 ug/l

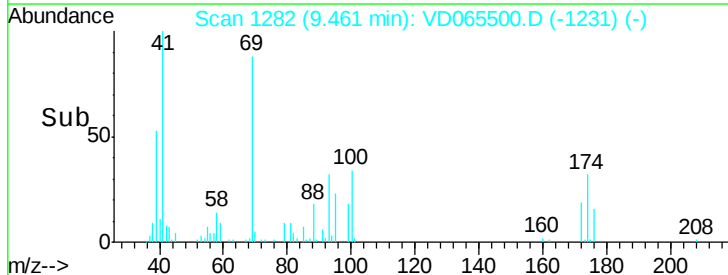
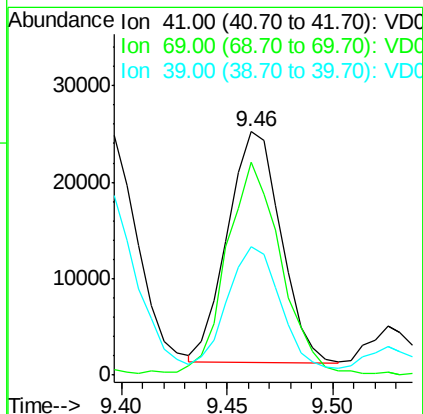
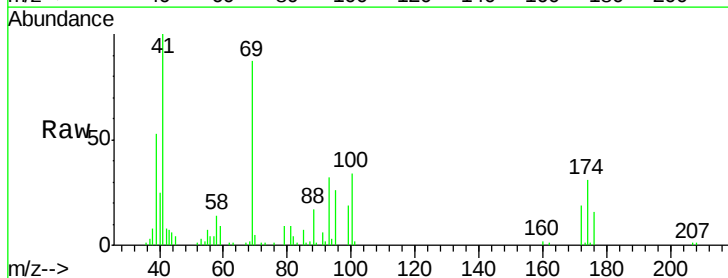
RT: 9.46 min Scan# 1282

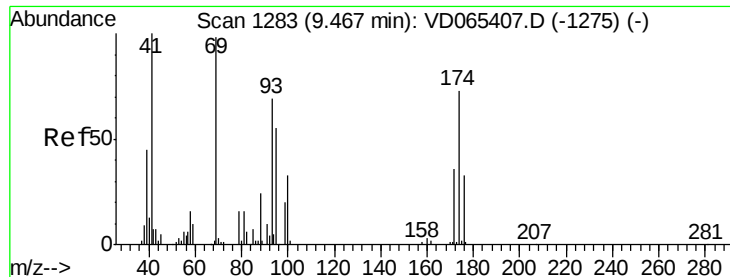
Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion:	41	Resp:	41980
Ion Ratio	Lower	Upper	
41	100		
69	95.4	72.5	108.7
39	57.4	41.6	62.4





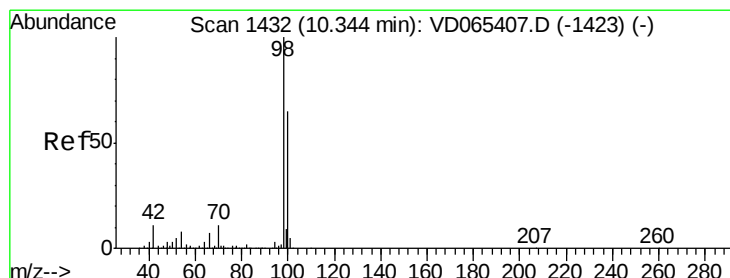
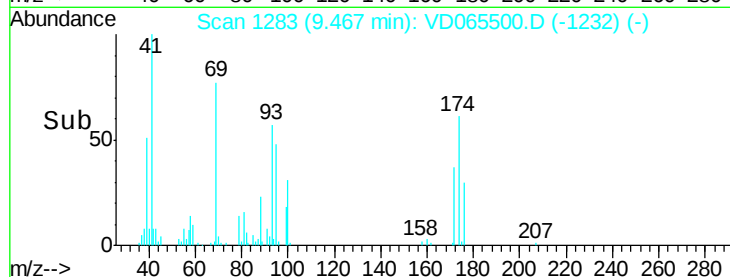
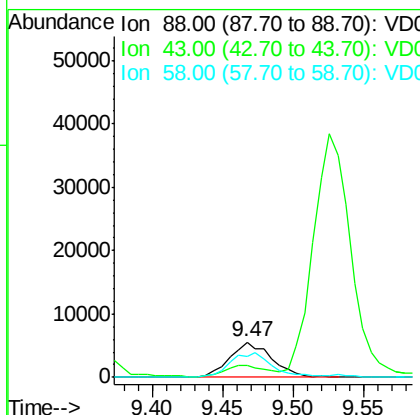
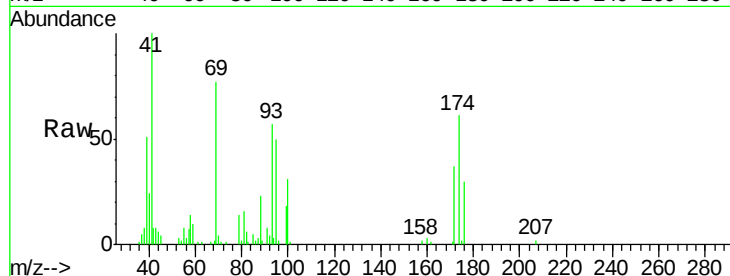
#49
1,4-Dioxane
Concen: 453.604 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	88	Resp	11401
Ion Ratio	Lower	Upper	
88	100		
43	35.3	24.5	36.7
58	72.0	54.5	81.7

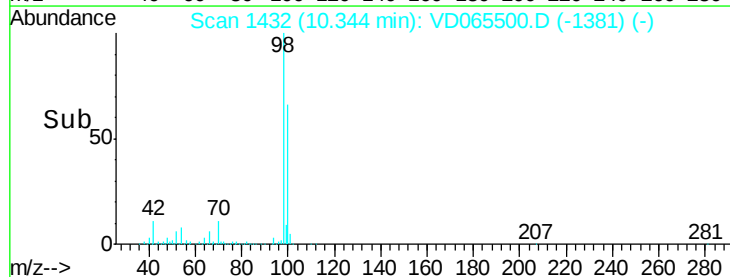
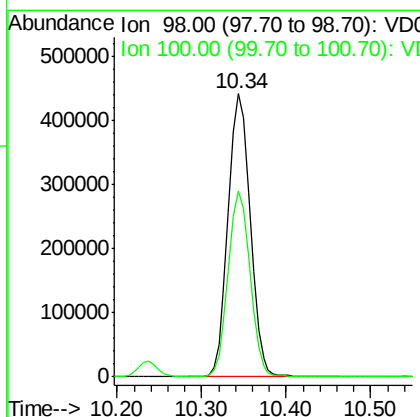
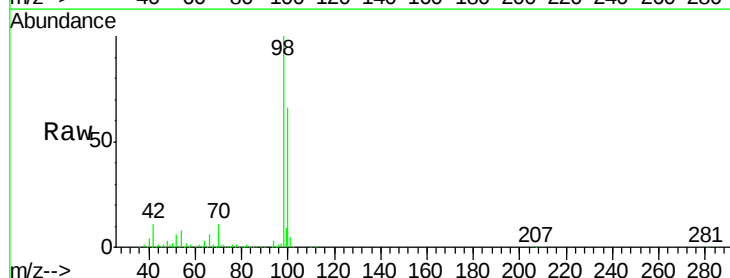
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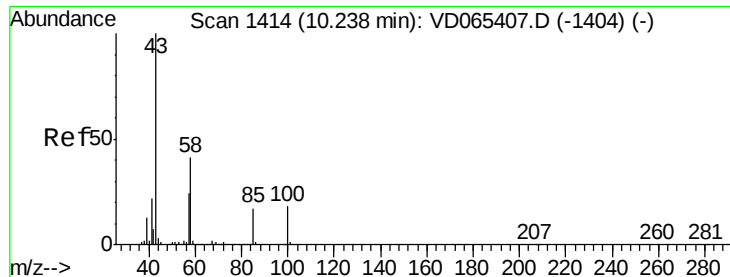
MMDadoda
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#50
Toluene-d8
Concen: 51.855 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	98	Resp	802739
Ion Ratio	Lower	Upper	
98	100		
100	64.9	52.8	79.2





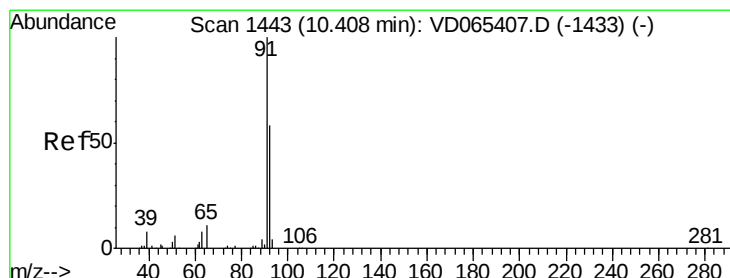
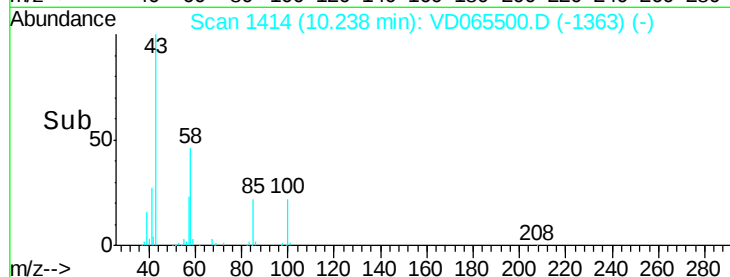
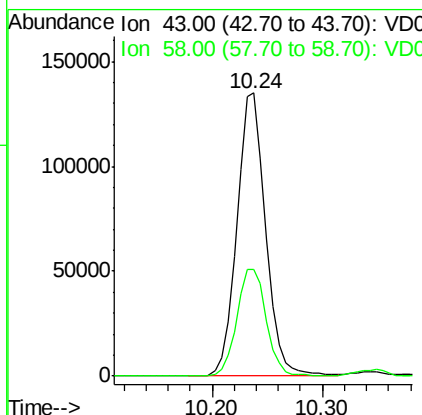
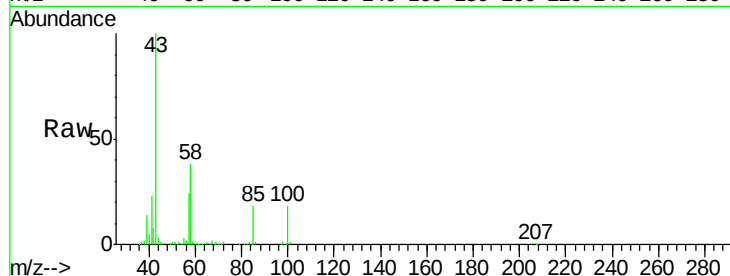
#51
4-Methyl-2-Pentanone
Concen: 109.857 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.8	47.6

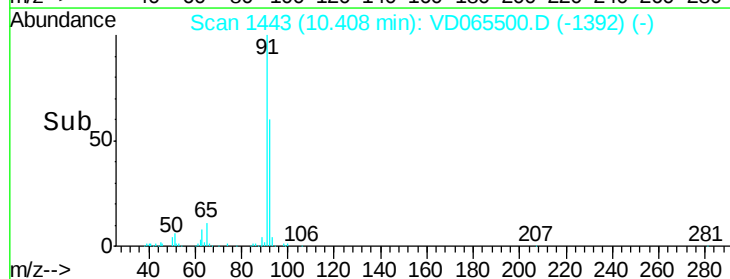
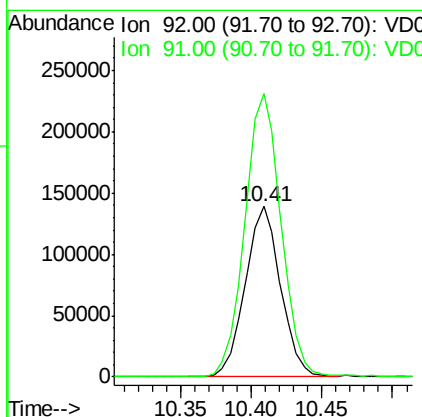
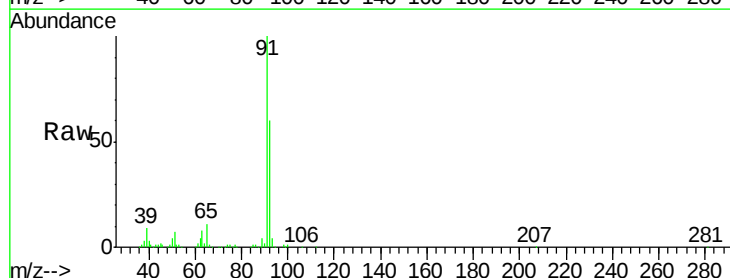
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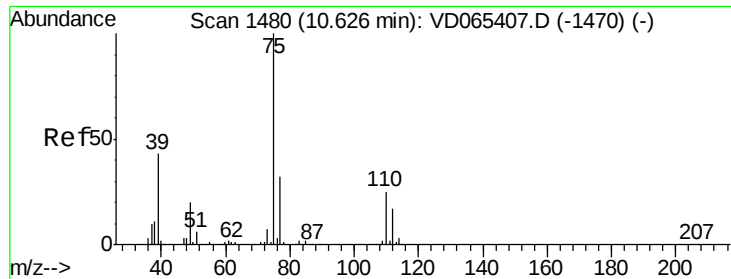
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#52
Toluene
Concen: 22.217 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	137.8	206.8





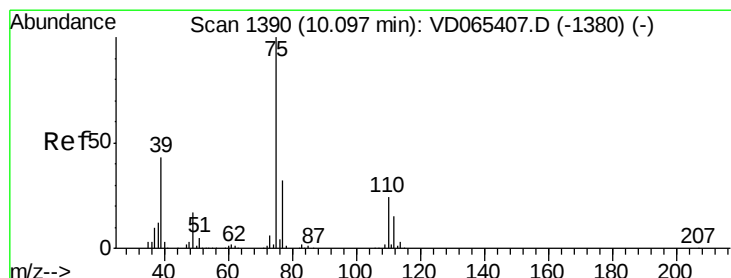
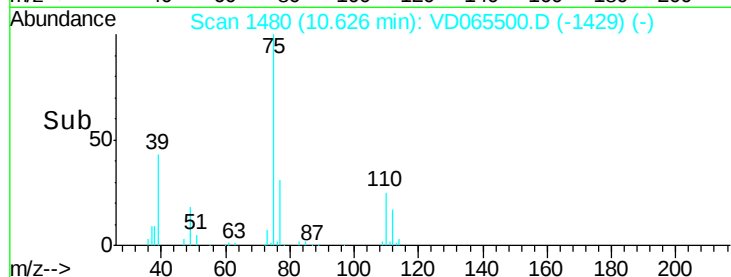
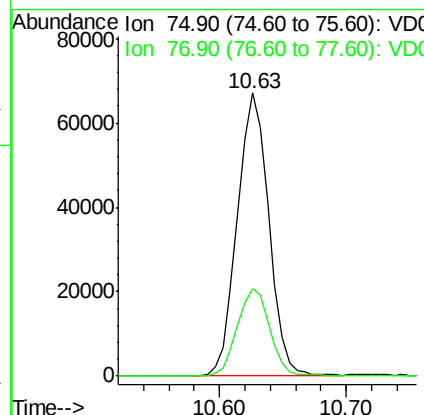
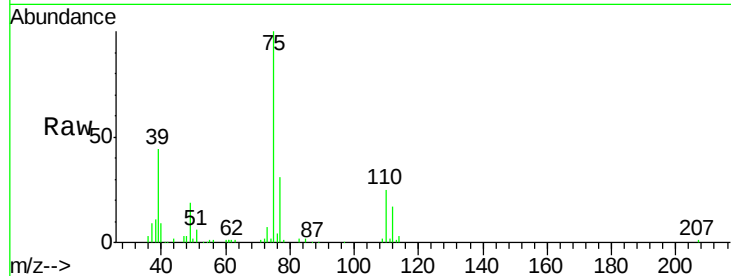
#53
 t-1,3-Dichloropropene
 Concen: 21.680 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

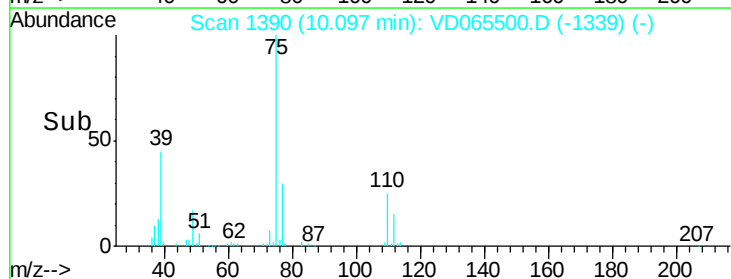
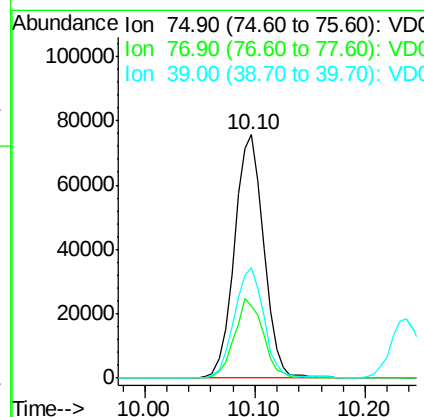
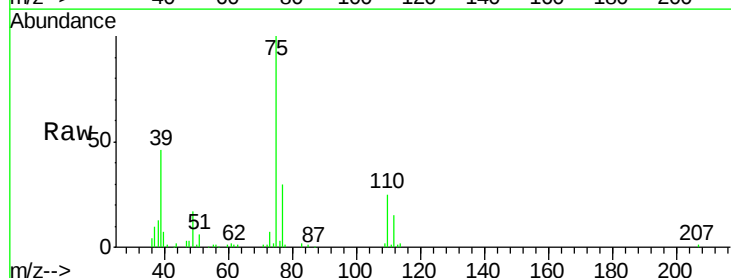
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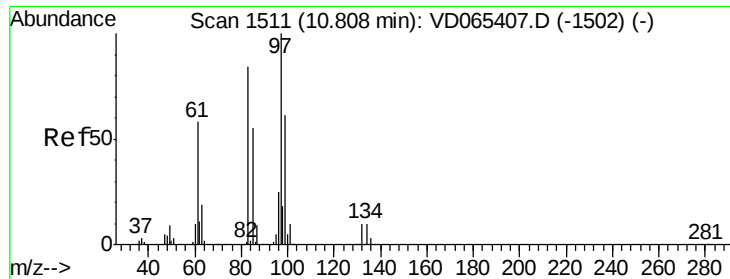
MMDadoda
 3/16/2020 2:05:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.854 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.3	37.9
39	45.5	34.6	52.0





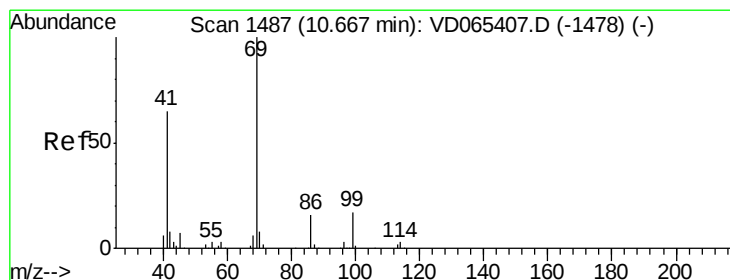
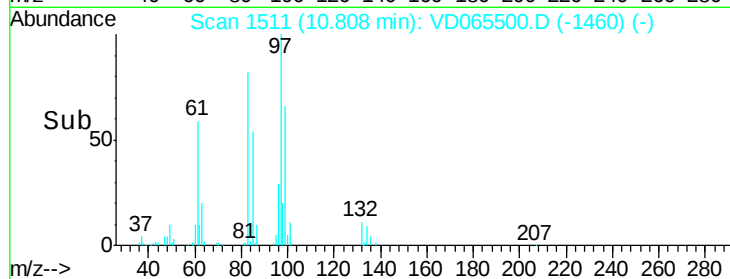
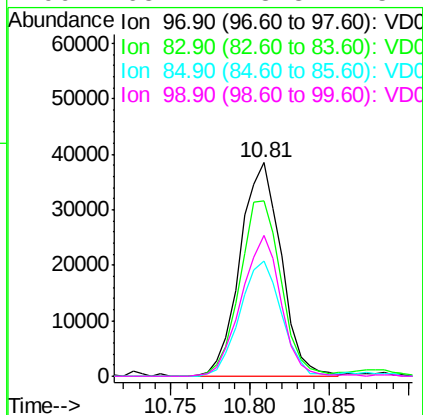
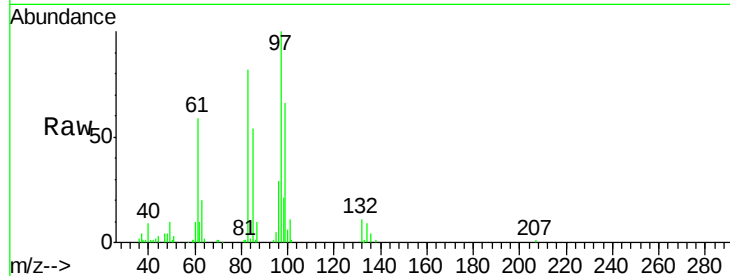
#55
 1,1,2-Trichloroethane
 Concen: 22.307 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion:	97	Resp:	69423
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.4	101.0
85	53.9	43.8	65.8
99	65.7	48.8	73.2

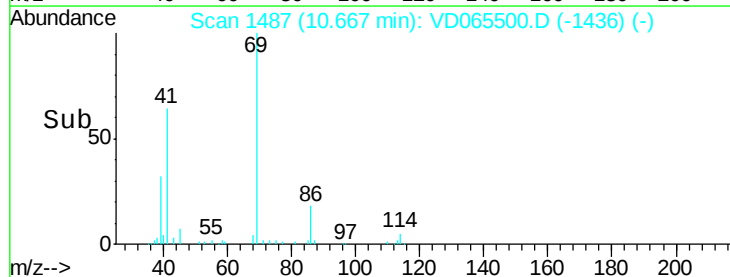
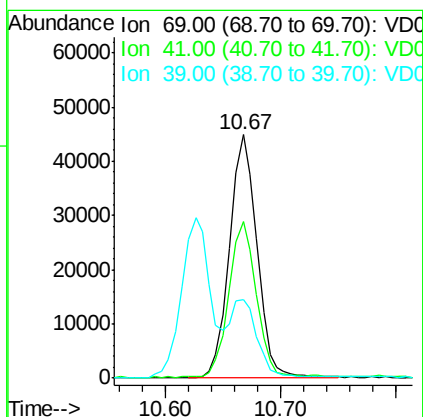
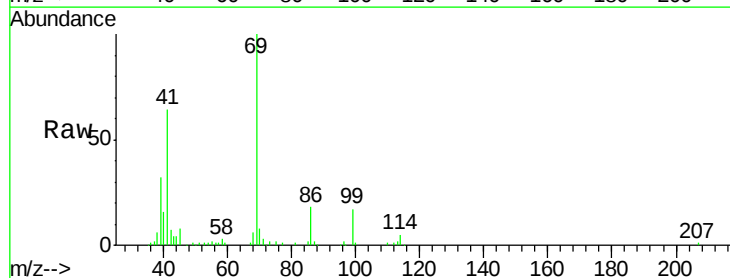
Manual Integrations
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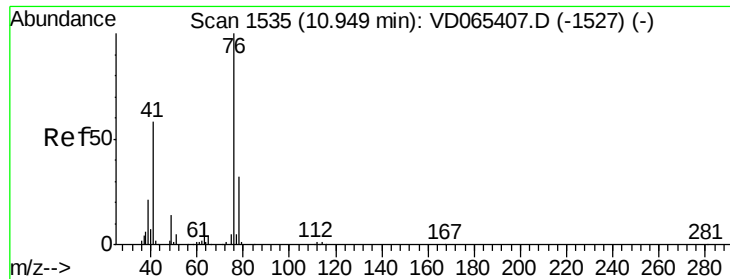
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 3/16/2020 2:05:26 PM



#56
 Ethyl methacrylate
 Concen: 21.145 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion:	69	Resp:	74187
Ion	Ratio	Lower	Upper
69	100		
41	64.0	53.0	79.6
39	30.9	26.0	39.0





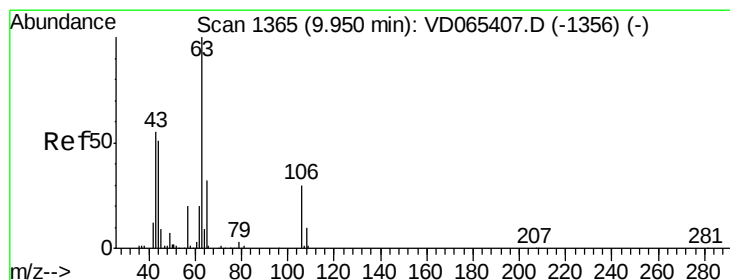
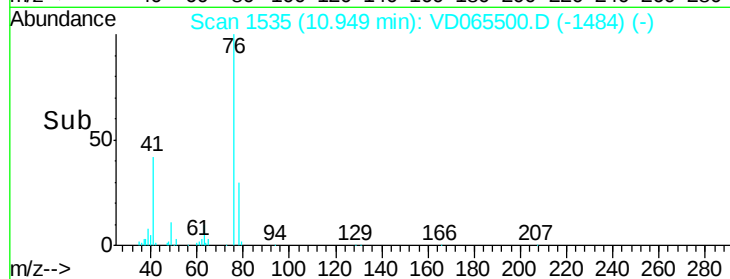
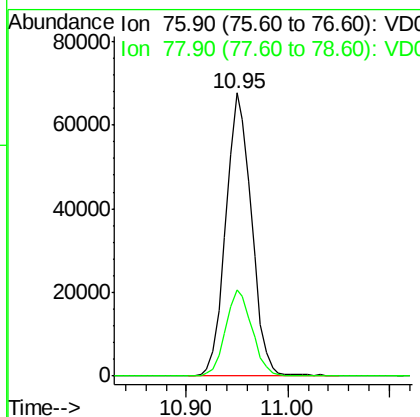
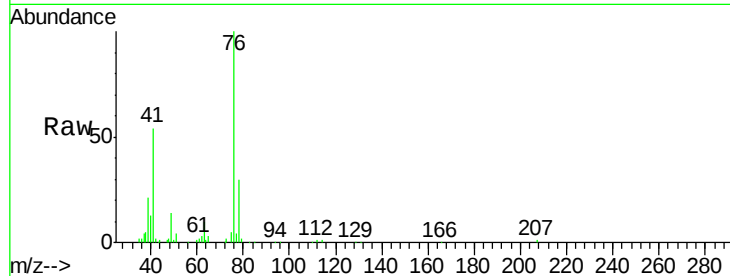
#57
 1,3-Dichloropropane
 Concen: 22.570 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.0	39.0

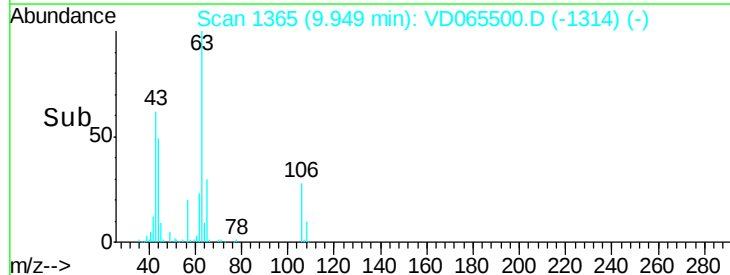
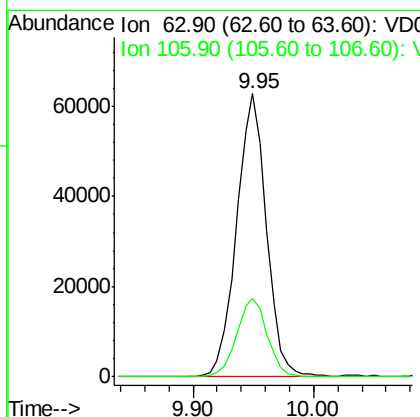
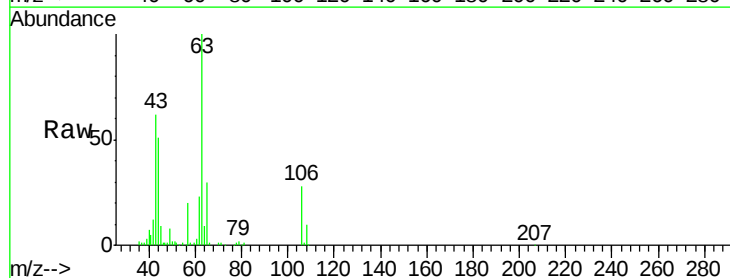
Manual Integrations
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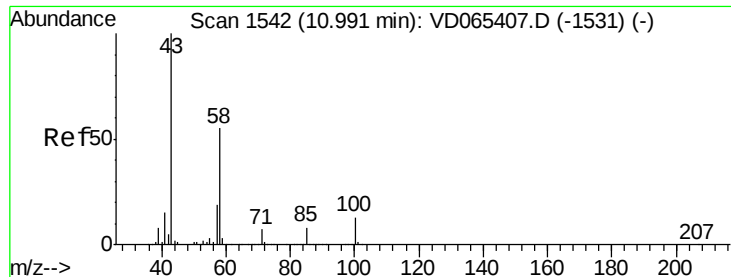
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 3/16/2020 2:05:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.615 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.3	34.9





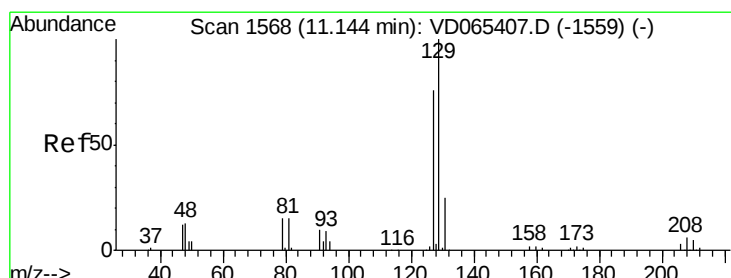
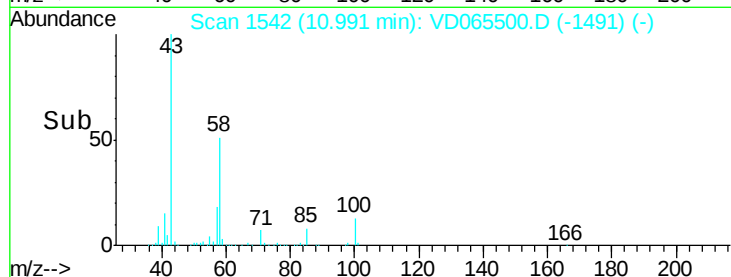
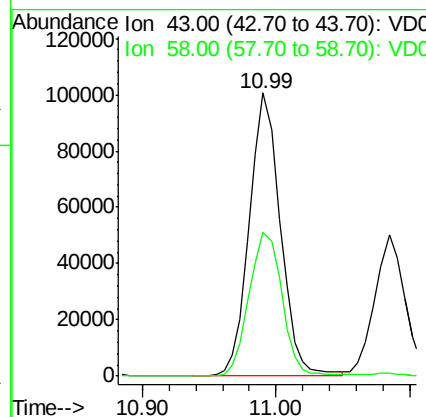
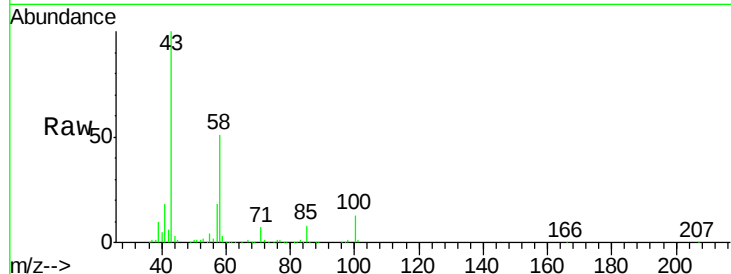
#59
2-Hexanone
Concen: 104.305 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion: 43 Resp: 162193
Ion Ratio Lower Upper
43 100
58 53.8 27.4 82.2

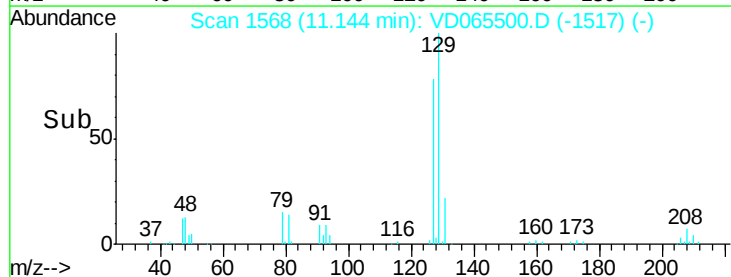
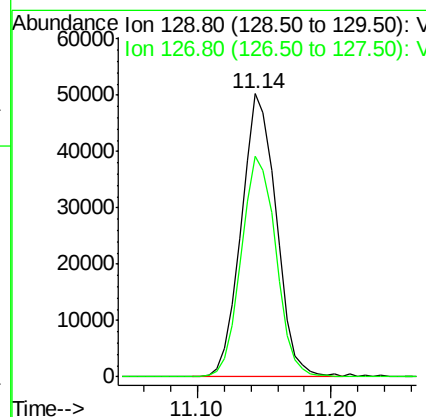
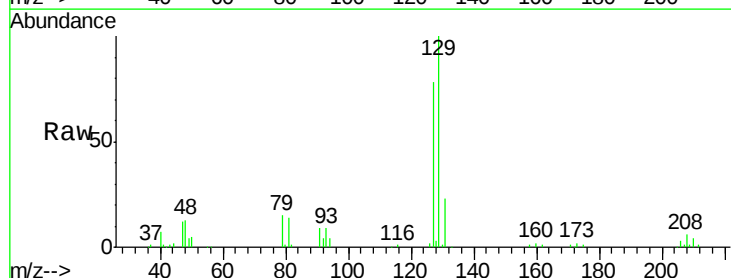
Manual Integrations
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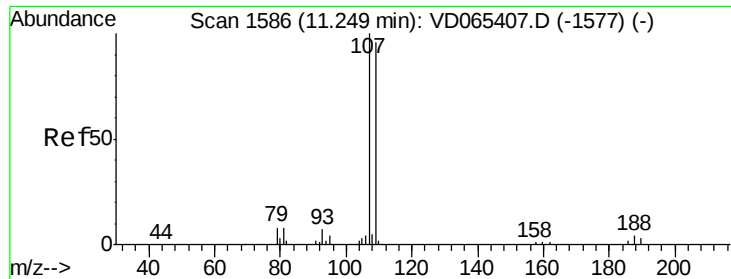
MMDadoda
3/16/2020 2:05:26 PM



#60
Dibromochloromethane
Concen: 22.829 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 129 Resp: 91070
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





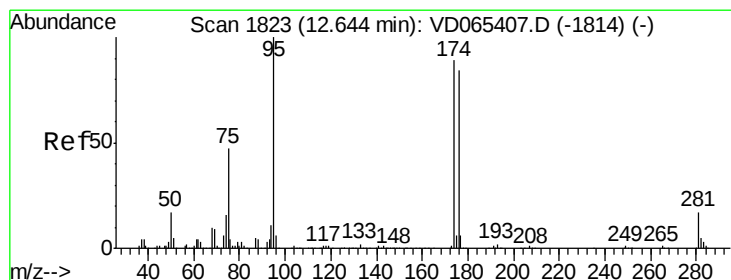
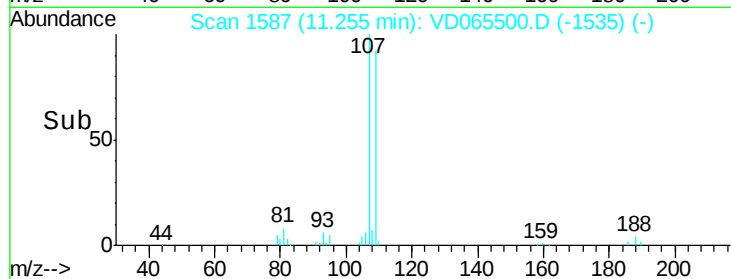
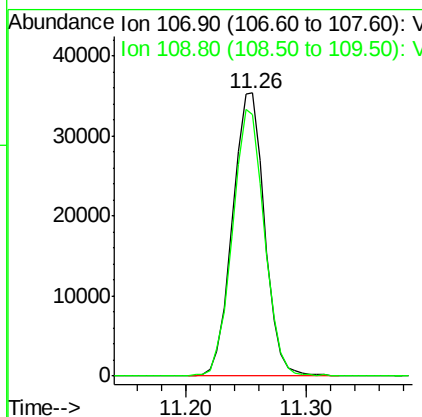
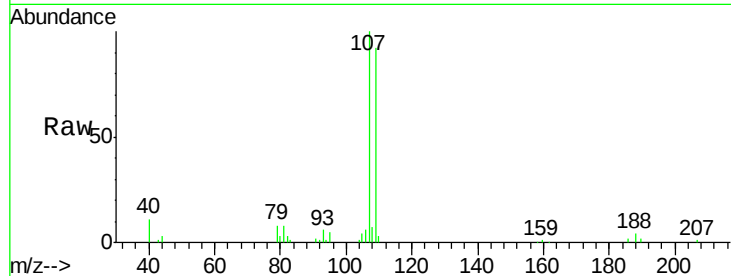
#61
 1,2-Dibromoethane
 Concen: 22.064 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.8	115.2

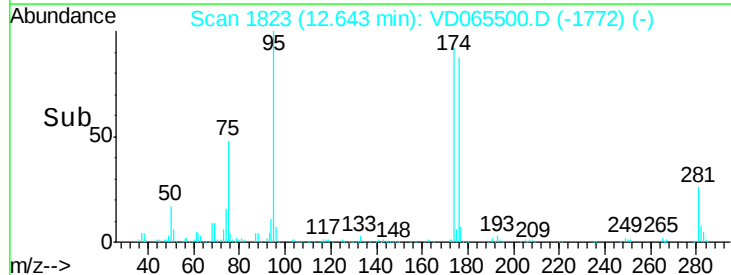
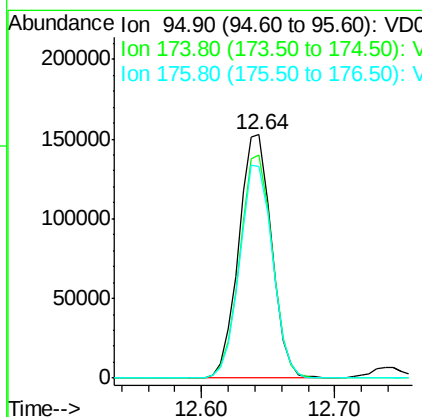
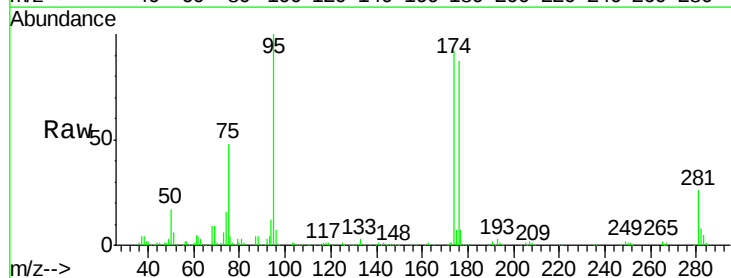
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 54.247 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	176.8
176	88.0	0.0	171.4





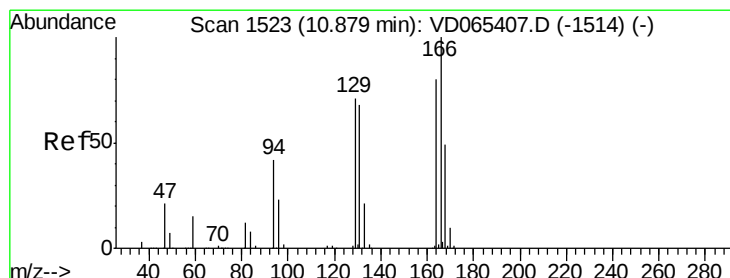
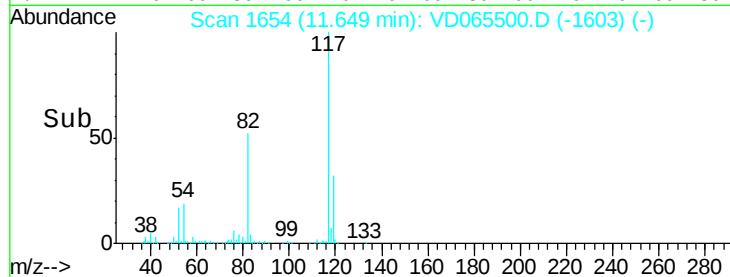
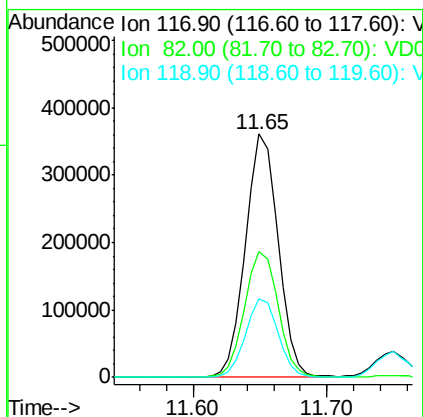
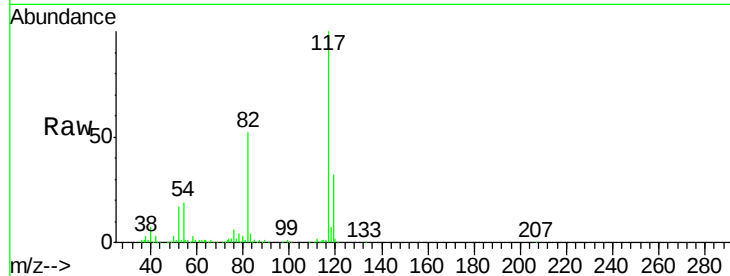
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	51.6	40.6	60.8
119	32.0	25.4	38.2

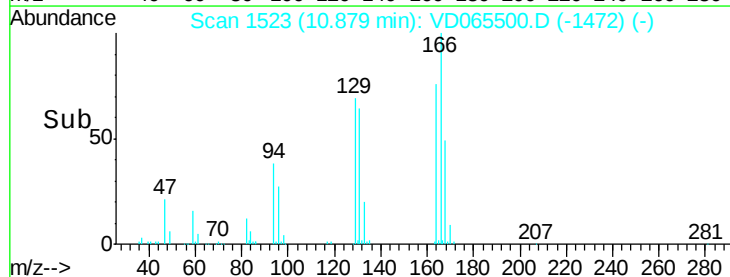
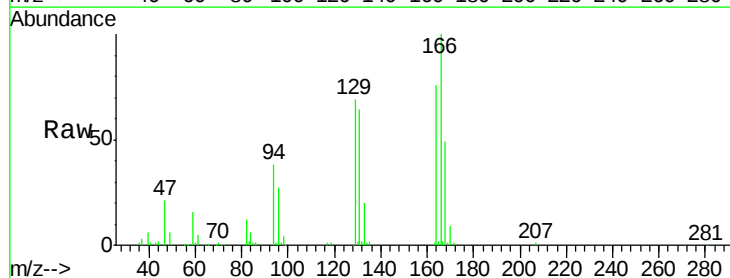
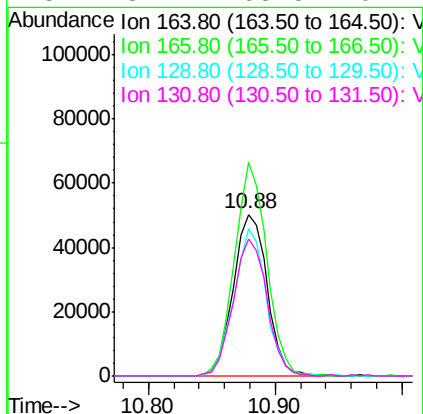
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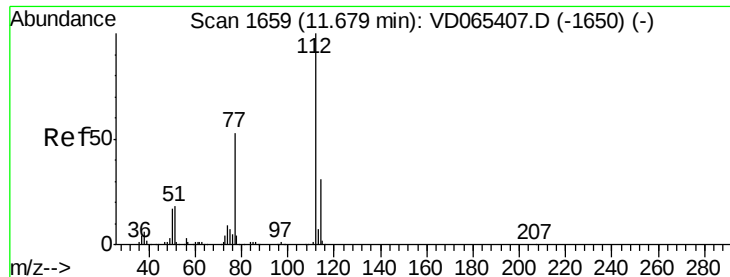
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#64
Tetrachloroethene
Concen: 21.105 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	132.1	100.5	150.7
129	91.4	71.5	107.3
131	84.4	68.5	102.7





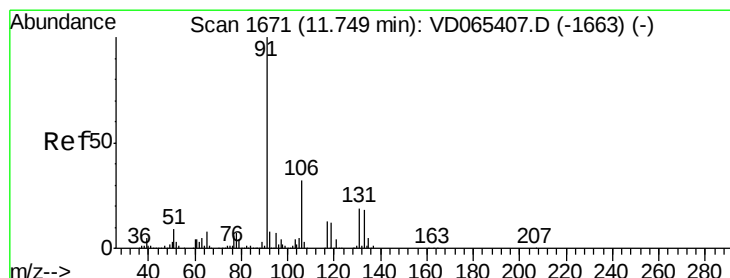
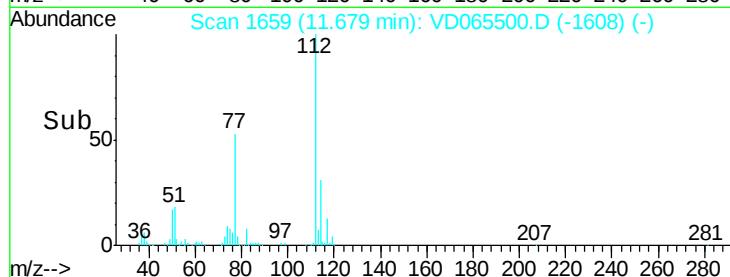
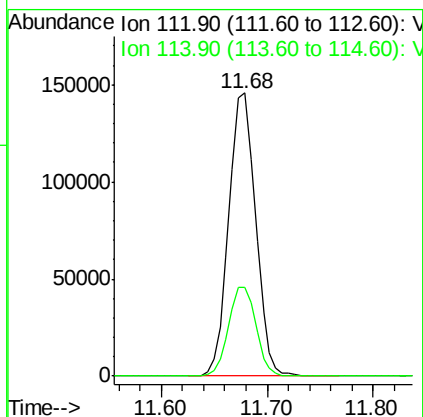
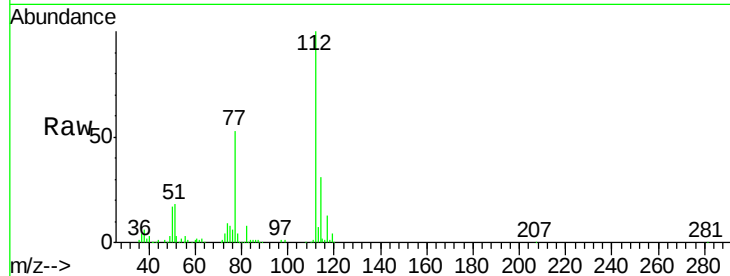
#65
Chlorobenzene
Concen: 21.179 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	24.4	36.6

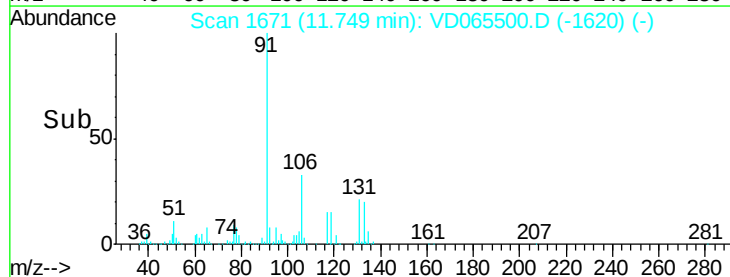
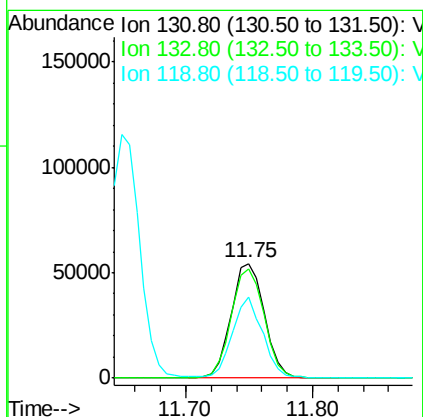
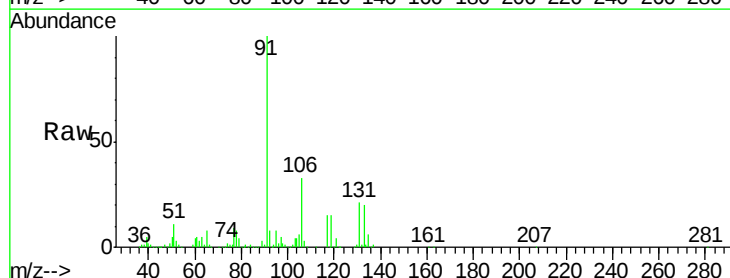
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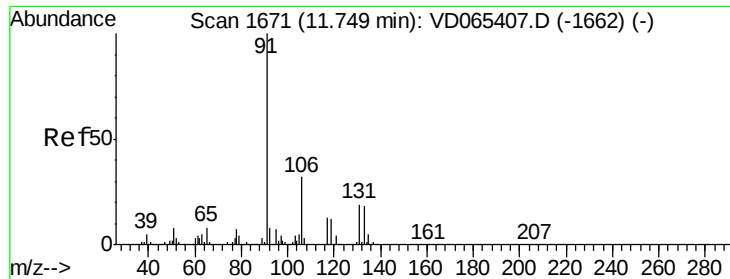
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.210 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	49.2	147.6
119	64.8	33.3	99.8





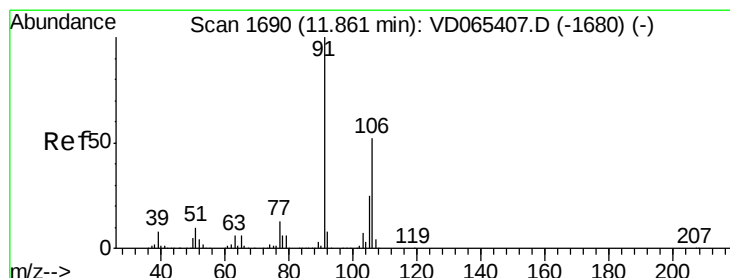
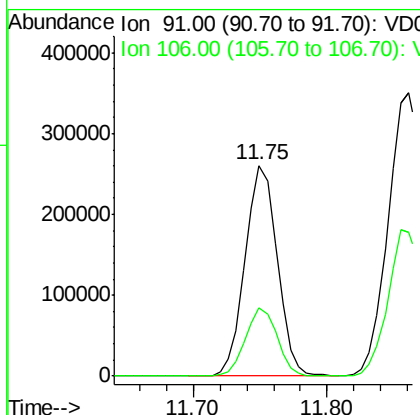
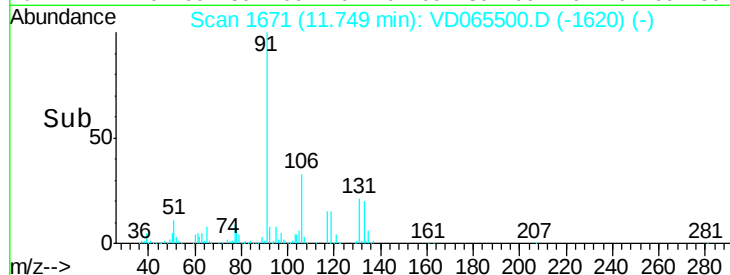
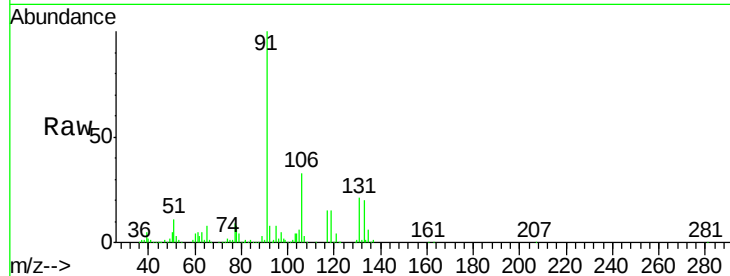
#67
Ethyl Benzene
Concen: 20.735 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion: 91 Resp: 434745
Ion Ratio Lower Upper
91 100
106 32.5 25.2 37.8

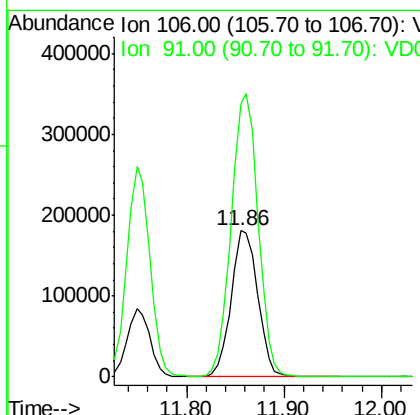
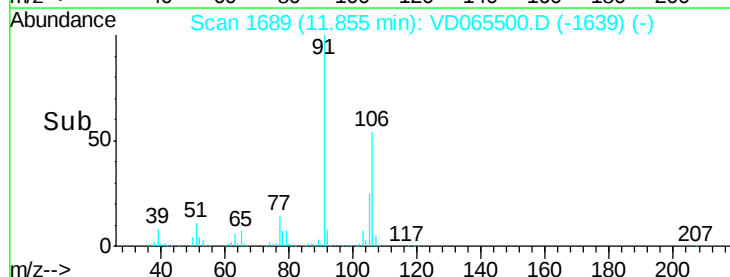
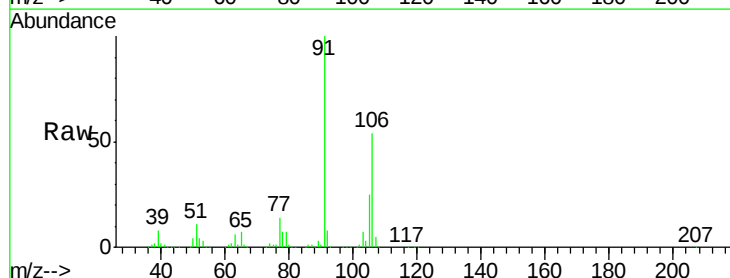
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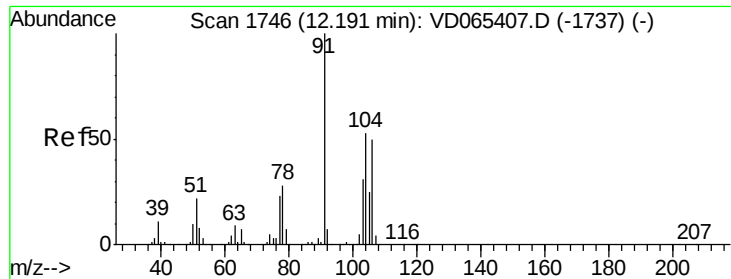
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#68
m/p-Xylenes
Concen: 42.473 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion: 106 Resp: 343363
Ion Ratio Lower Upper
106 100
91 195.7 155.9 233.9





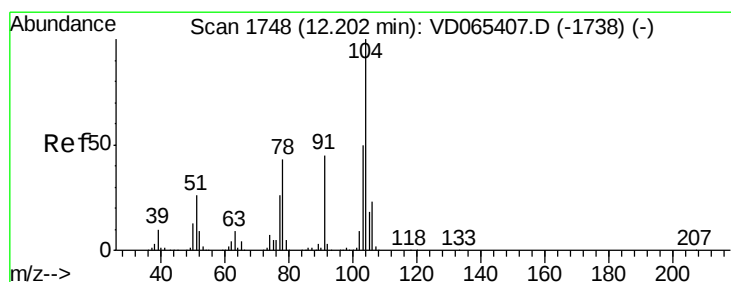
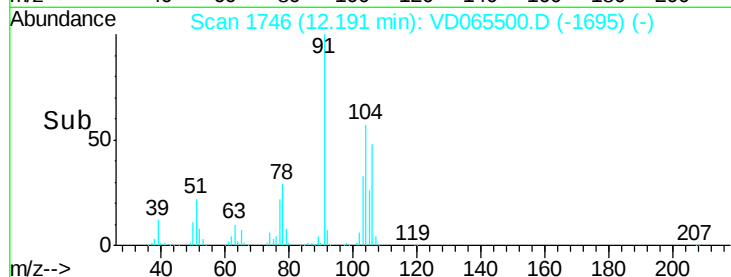
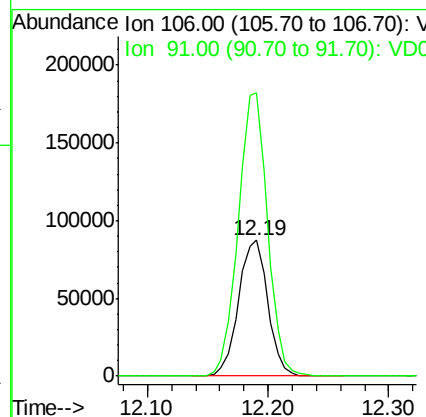
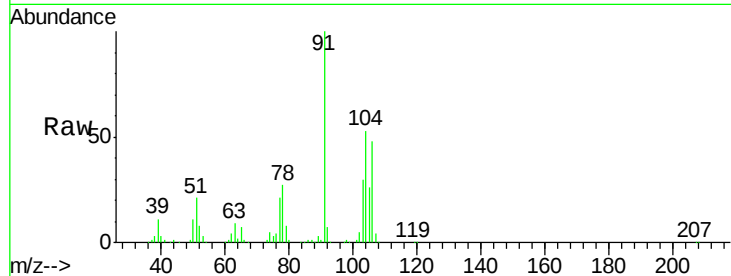
#69
o-Xylene
Concen: 20.850 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	148271		
91	208.2	103.5	310.3	

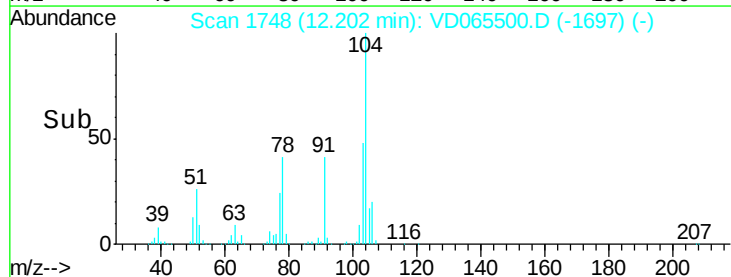
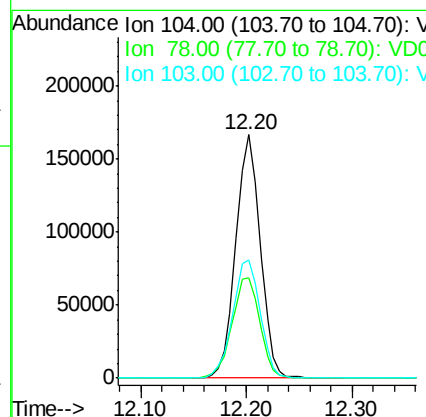
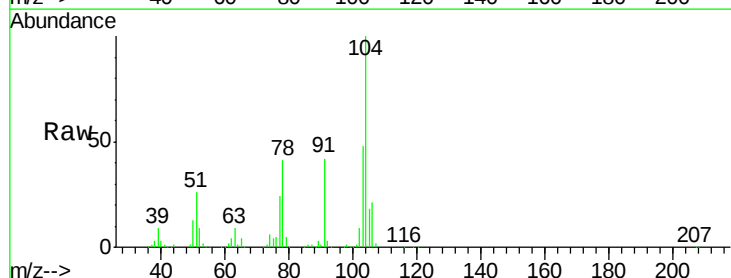
Manual Integrations
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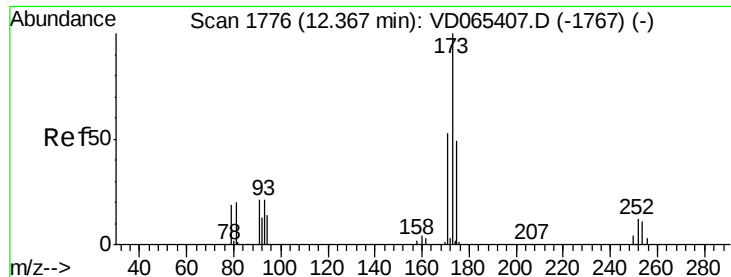
MMDadoda
3/16/2020 2:05:26 PM



#70
Styrene
Concen: 21.336 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	267031		
78	46.8	37.7	56.5	
103	54.5	43.6	65.4	





#71

Bromoform

Concen: 21.895 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

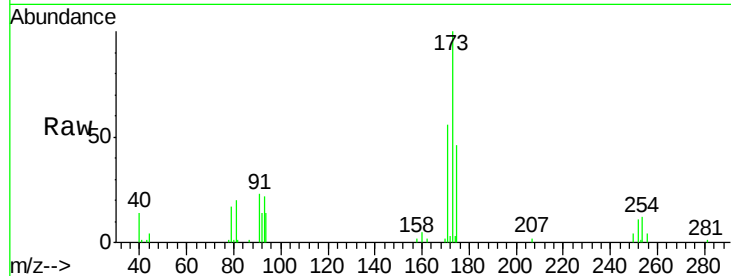
ClientSampleId :

VD0313SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.0	0.1	0.1#

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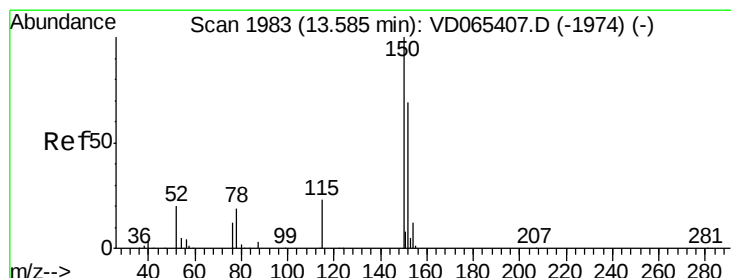
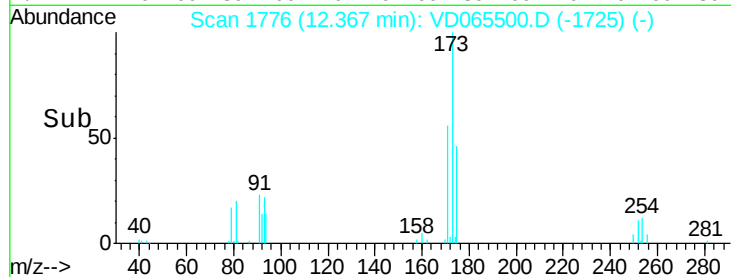
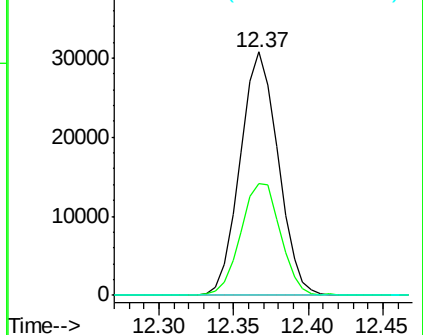


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

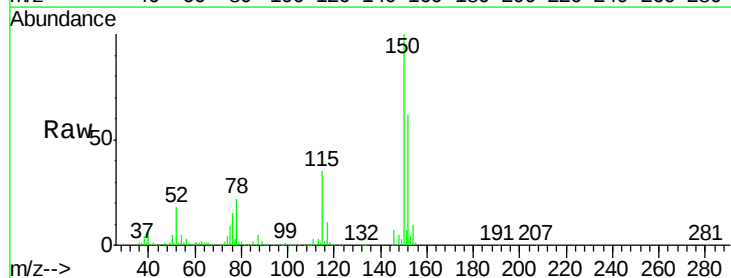
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.6	82.8
150	164.5	0.0	345.0

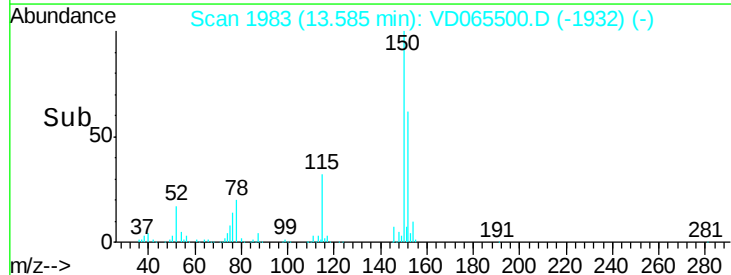
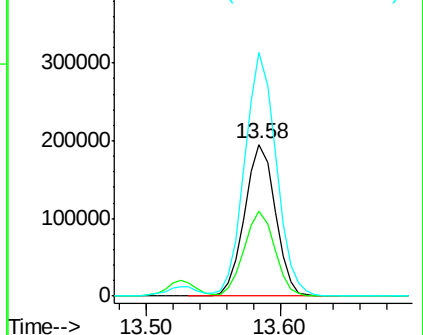


Abundance

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: 19.718 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion:105 Resp: 403243

Ion Ratio Lower Upper

105 100

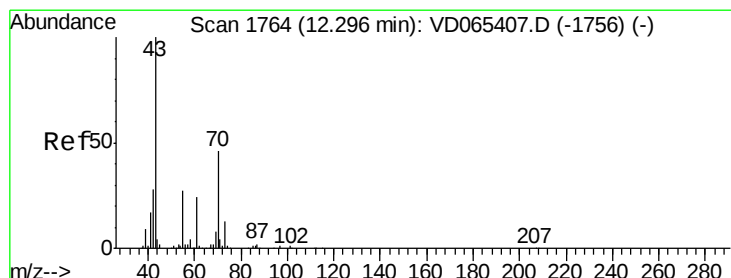
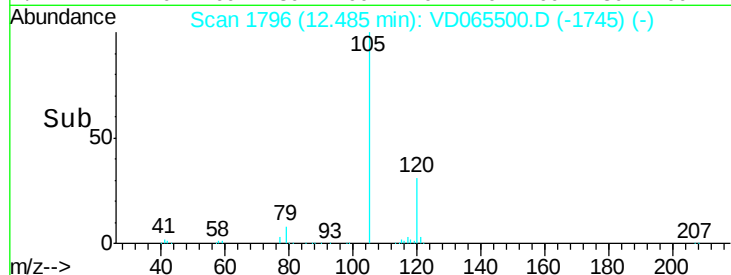
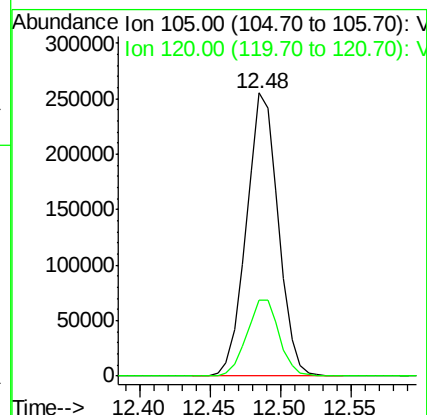
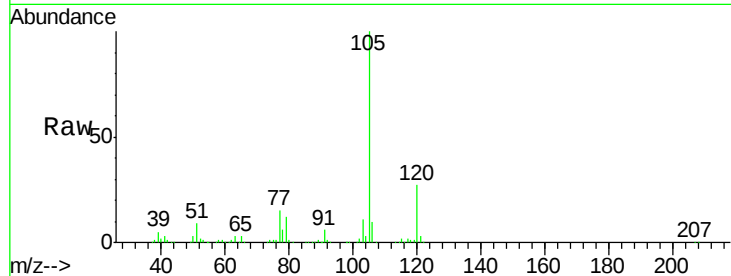
120 27.5 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.741 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion: 43 Resp: 82653

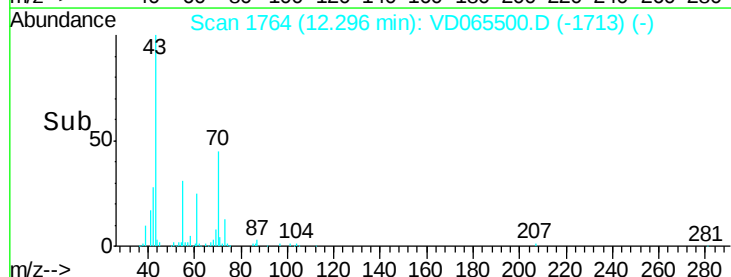
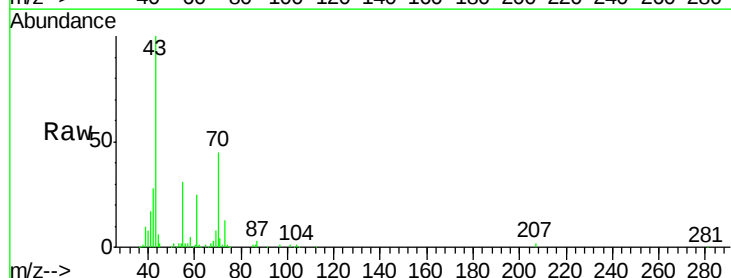
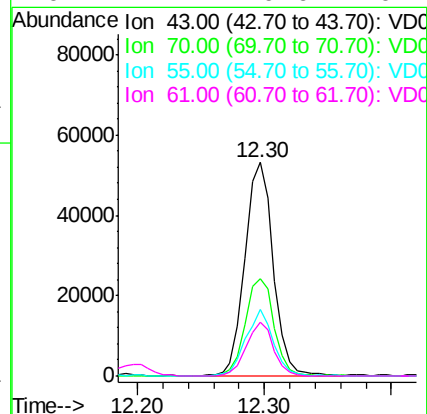
Ion Ratio Lower Upper

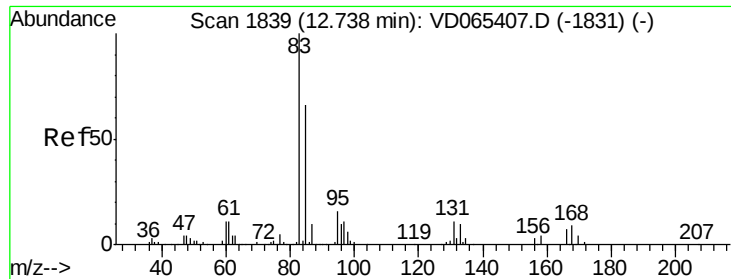
43 100

70 46.2 36.1 54.1

55 29.9 21.6 32.4

61 24.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.504 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

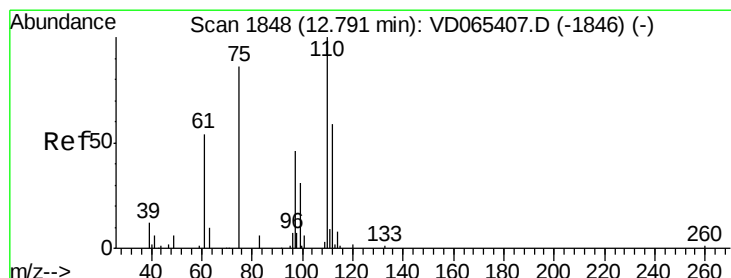
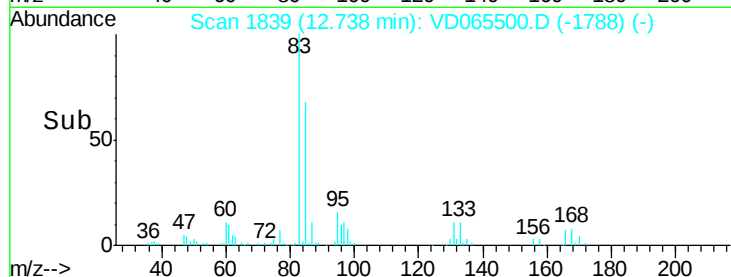
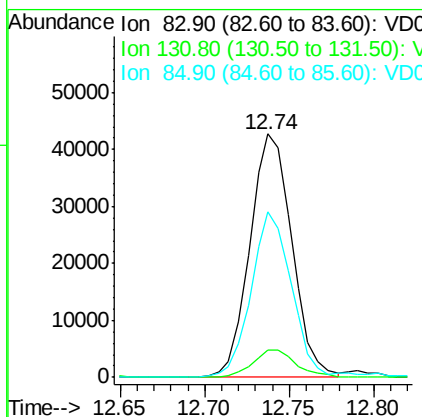
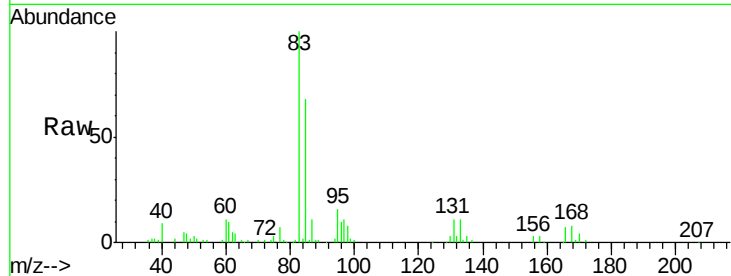
ClientSampleId :

VD0313SBS01

Tot Ion:	83	Resp:	73709
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.4	16.2
85	66.8	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 20.752 ug/l m

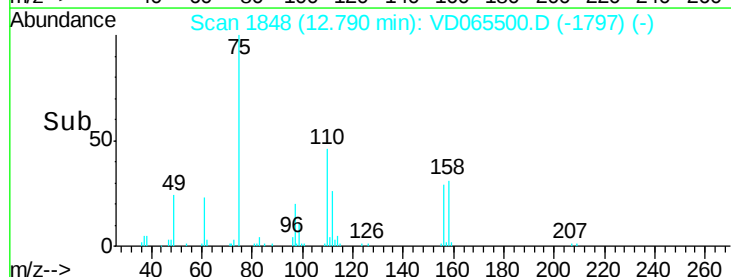
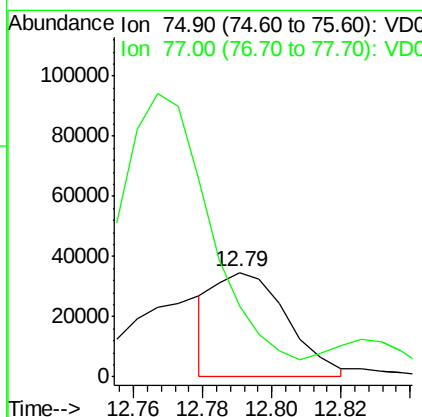
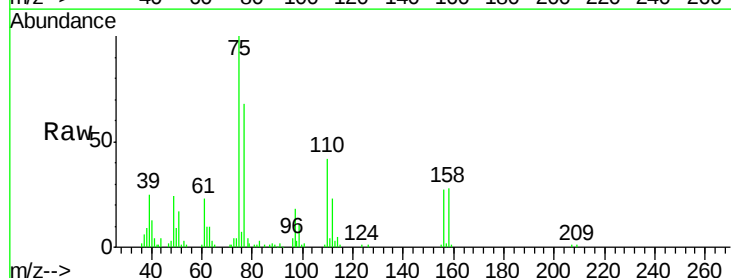
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion:	75	Resp:	50913
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.936 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

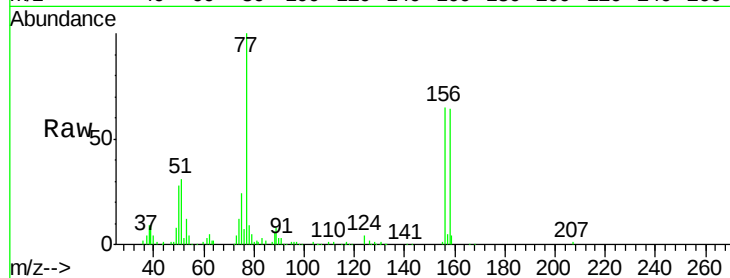
ClientSampleId :

VD0313SBS01

Tot Ion:	156	Resp:	106375
Ion Ratio	Lower	Upper	
156	100		
77	169.7	84.9	254.6
158	99.4	49.0	147.2

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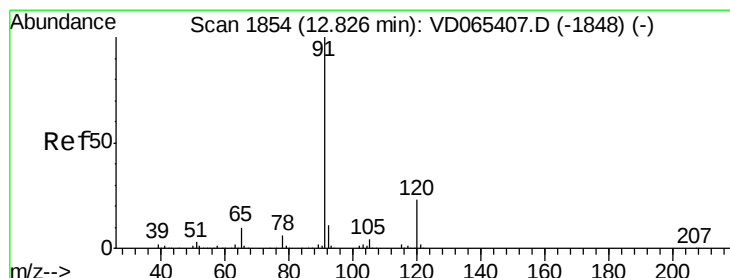
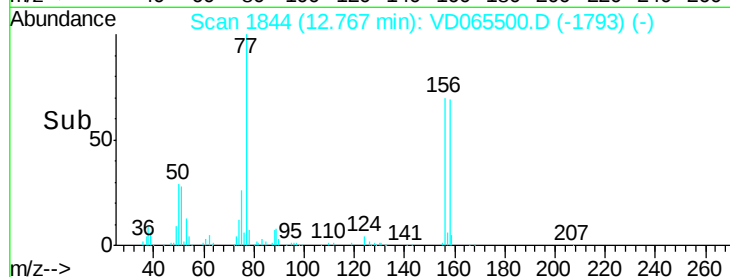
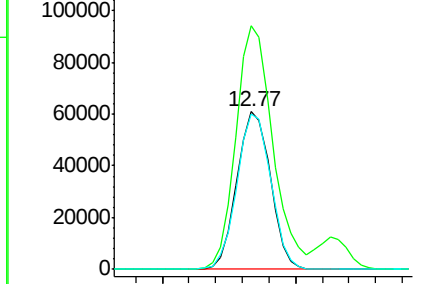
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.579 ug/l

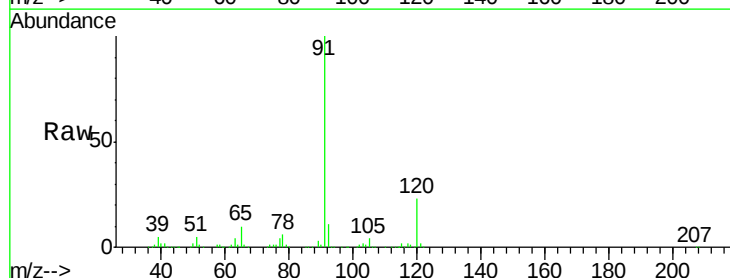
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065500.D

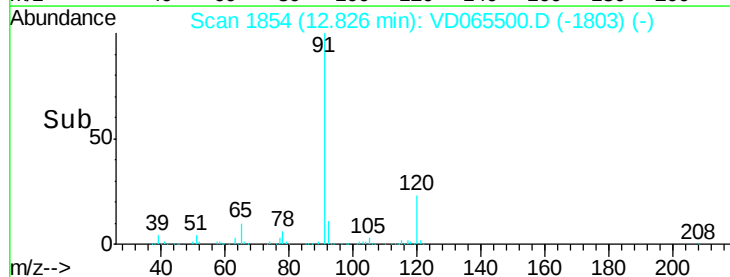
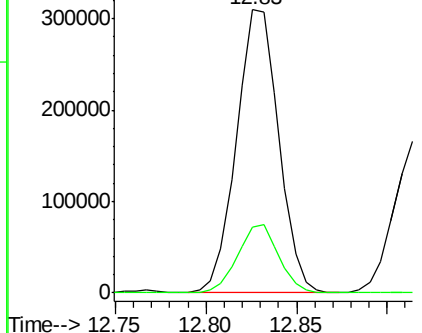
Acq: 13 Mar 2020 12:09

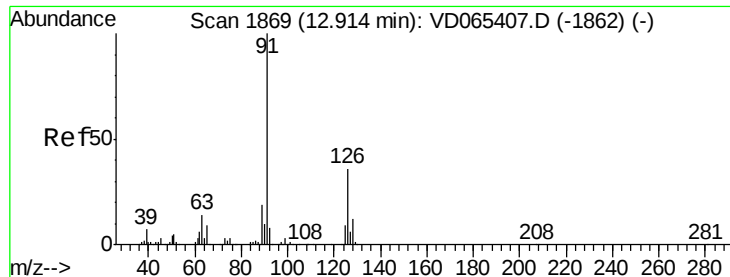
Tgt Ion:	91	Resp:	499356
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.343 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0313SBS01

Tot Ion: 91 Resp: 278202

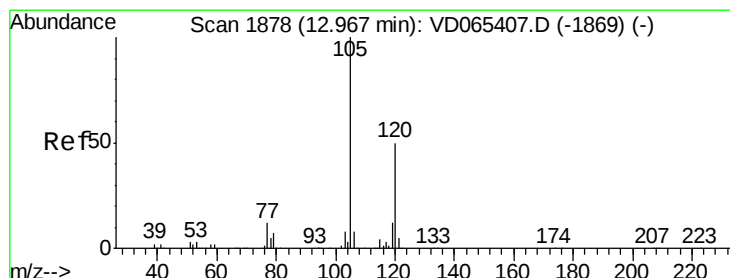
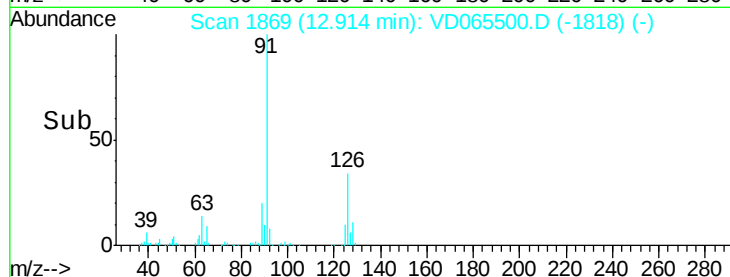
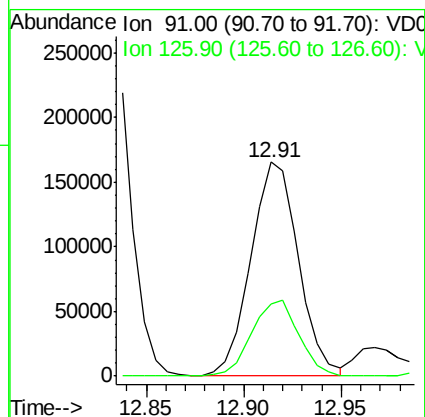
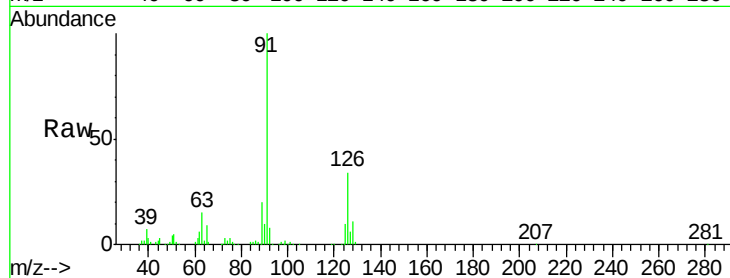
Ion Ratio Lower Upper

91 100

126 35.3 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.572 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065500.D

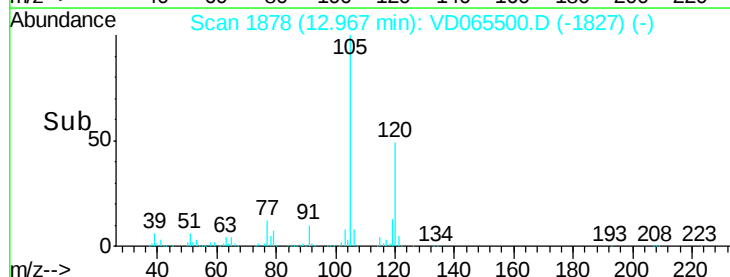
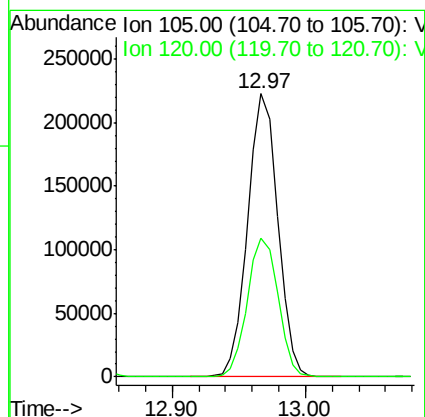
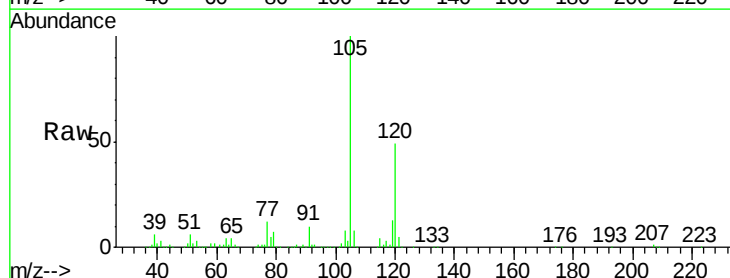
Acq: 13 Mar 2020 12:09

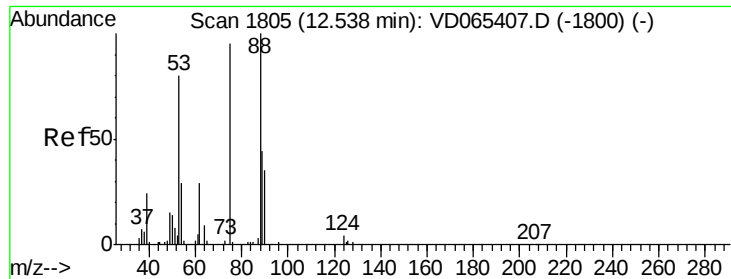
Tgt Ion:105 Resp: 345884

Ion Ratio Lower Upper

105 100

120 50.4 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.438 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Instrument :

MSVOA_D

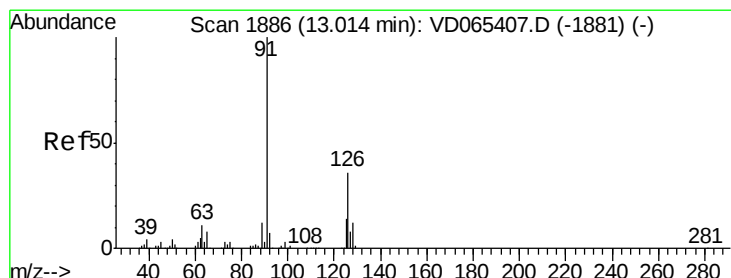
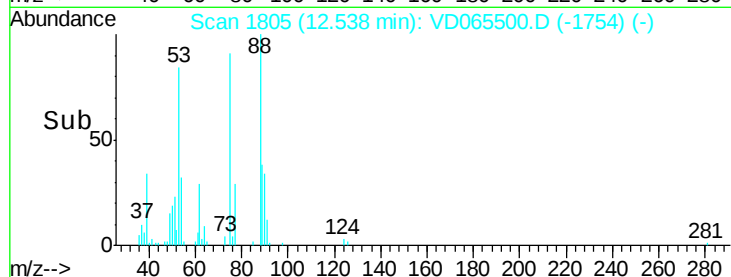
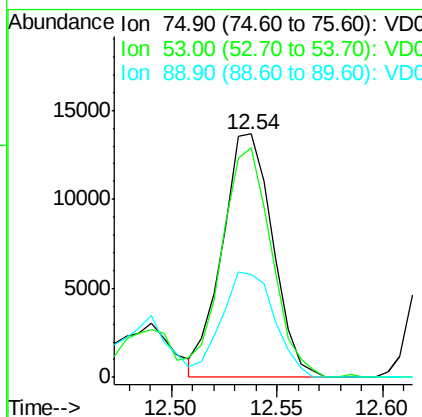
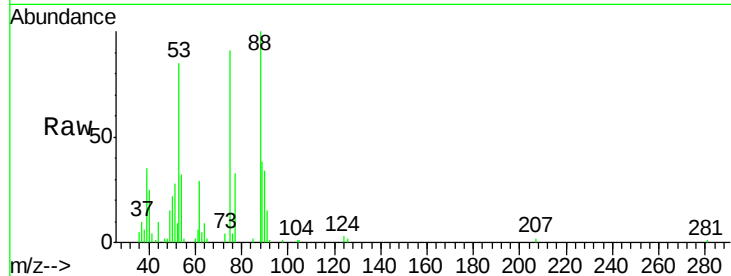
ClientSampleId :

VD0313SBS01

Tot Ion:	75	Resp:	22599
Ion Ratio	Lower	Upper	
75	100		
53	94.0	71.3	106.9
89	45.7	37.0	55.6

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#82

4-Chlorotoluene

Concen: 21.054 ug/l

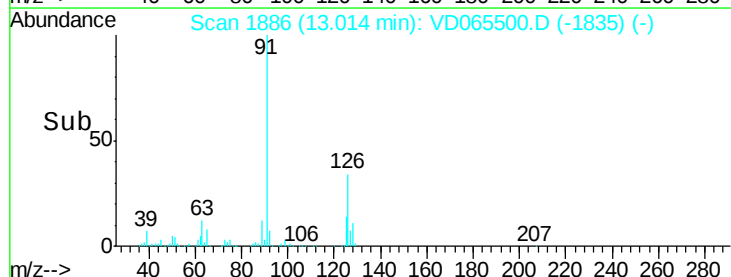
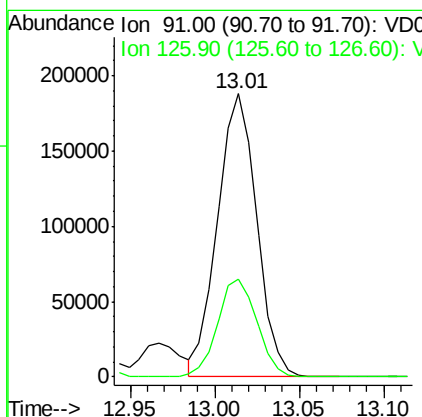
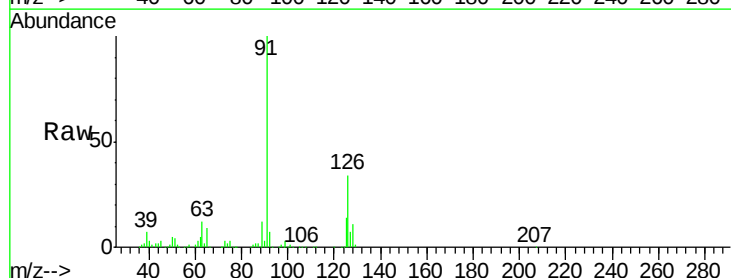
RT: 13.01 min Scan# 1886

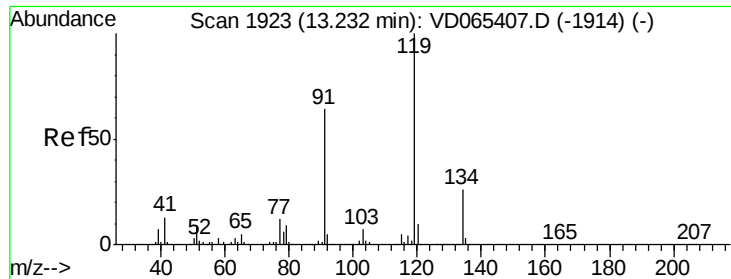
Delta R.T. -0.00 min

Lab File: VD065500.D

Acq: 13 Mar 2020 12:09

Tgt Ion:	91	Resp:	302563
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.6	52.8





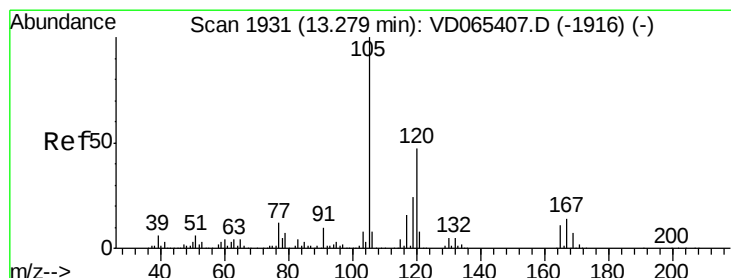
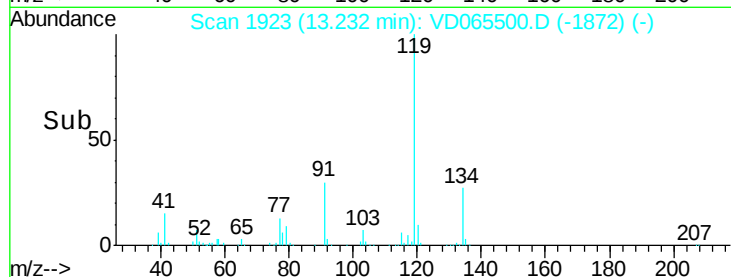
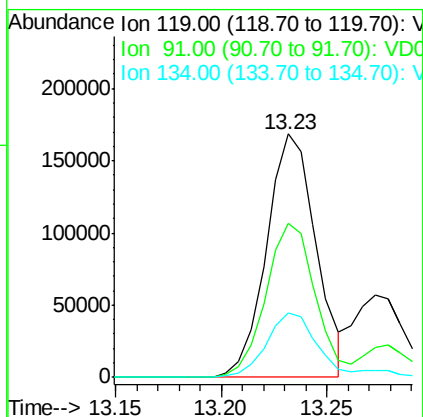
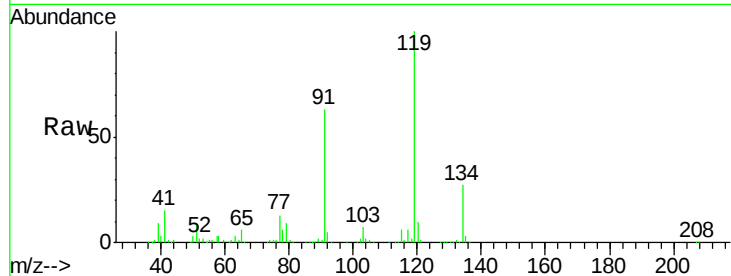
#83
tert-Butylbenzene
Concen: 19.275 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	274165		
91	63.8		31.6	95.0
134	29.0		14.2	42.8

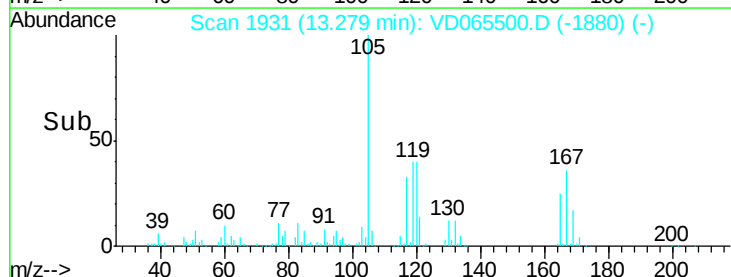
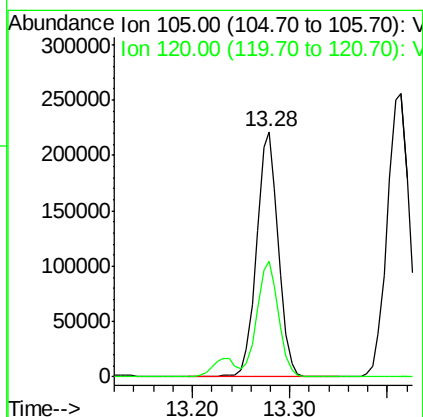
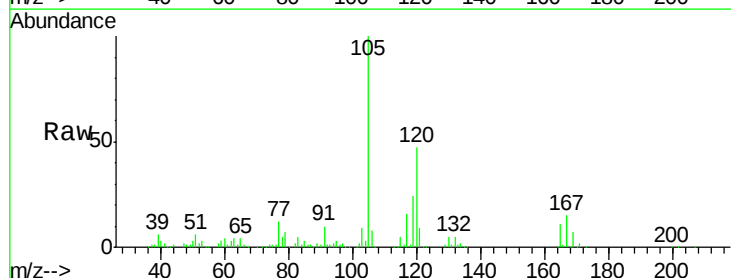
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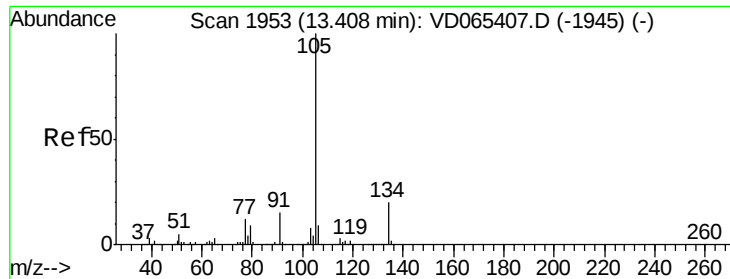
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#84
1,2,4-Trimethylbenzene
Concen: 20.894 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	346273		
120	46.8		23.4	70.3





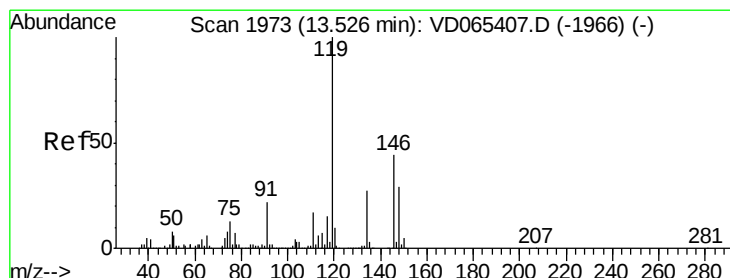
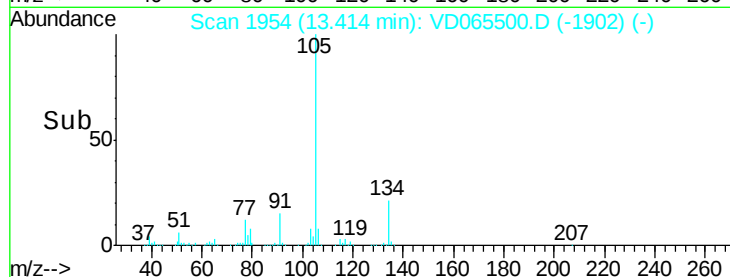
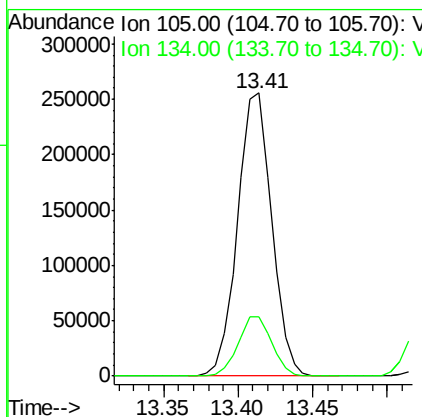
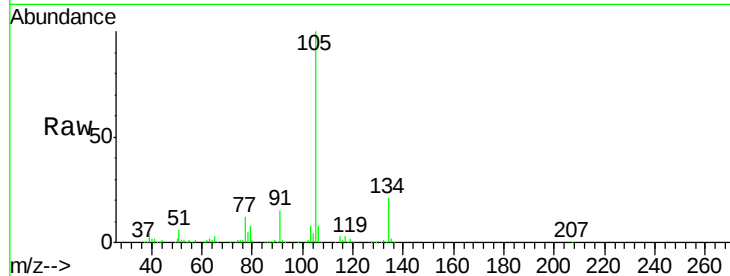
#85
 sec-Butylbenzene
 Concen: 20.041 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.9

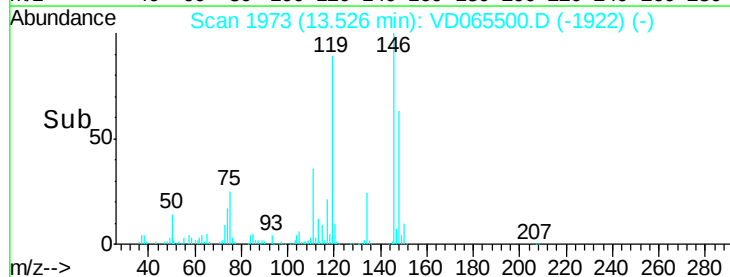
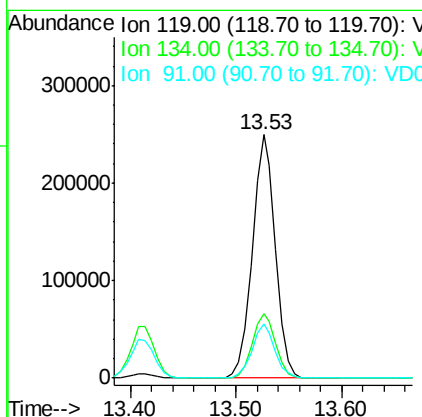
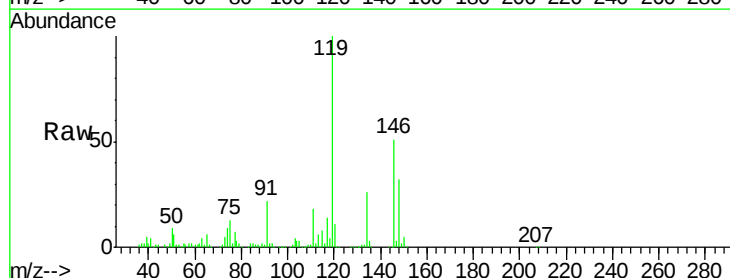
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#86
 p-Isopropyltoluene
 Concen: 20.383 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.9
91	22.1	10.9	32.6





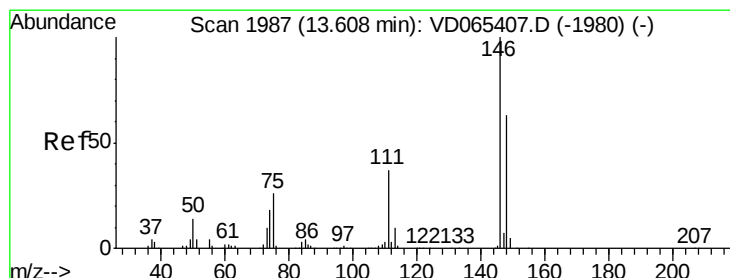
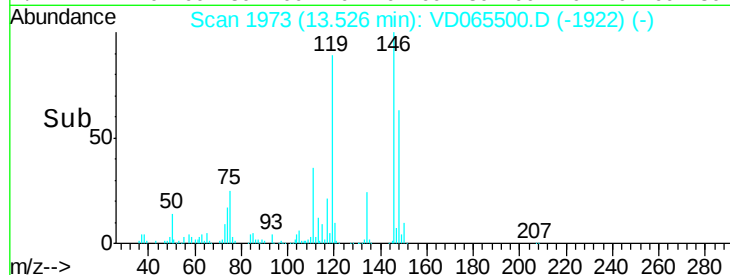
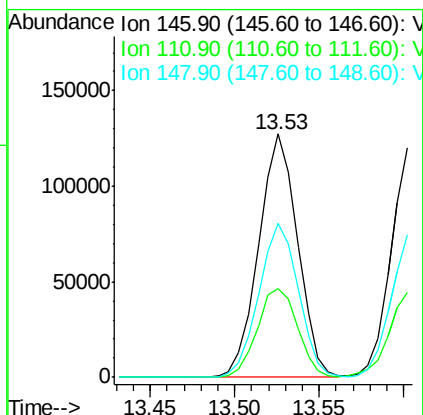
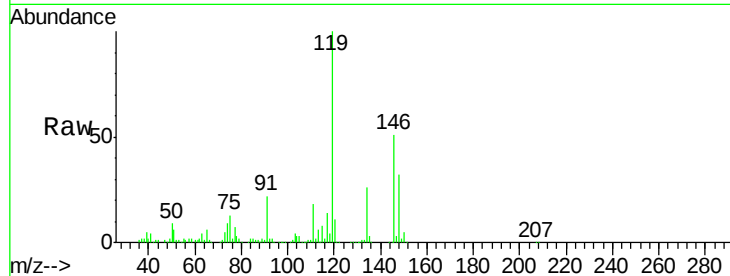
#87
 1,3-Dichlorobenzene
 Concen: 20.759 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.3	32.3	96.8

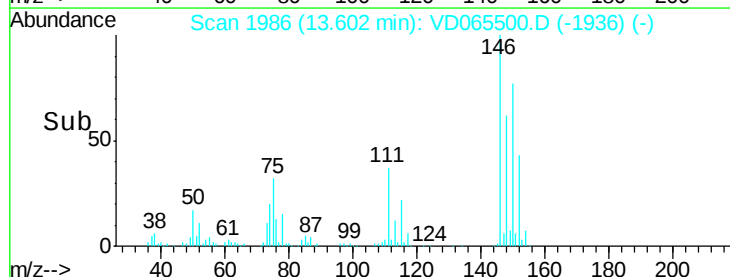
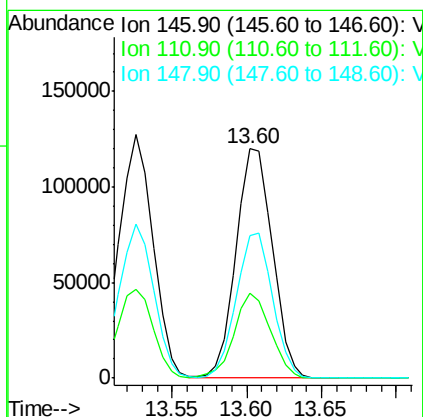
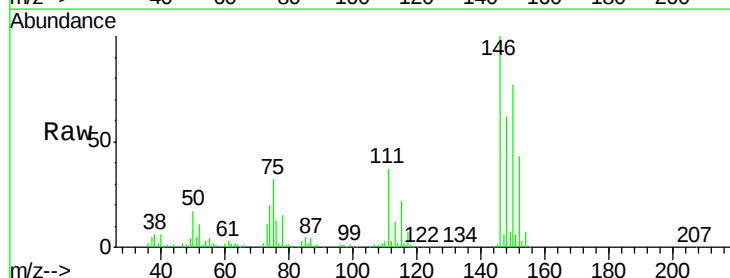
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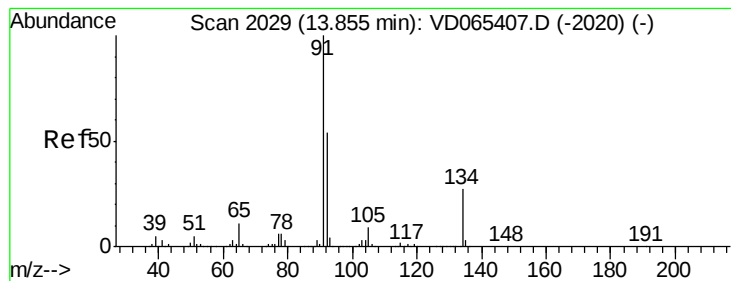
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#88
 1,4-Dichlorobenzene
 Concen: 21.042 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	63.1	32.0	96.0





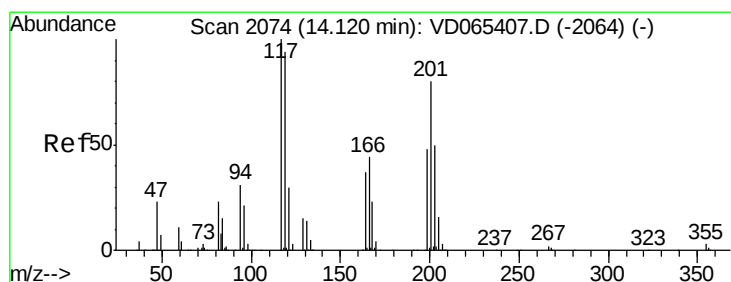
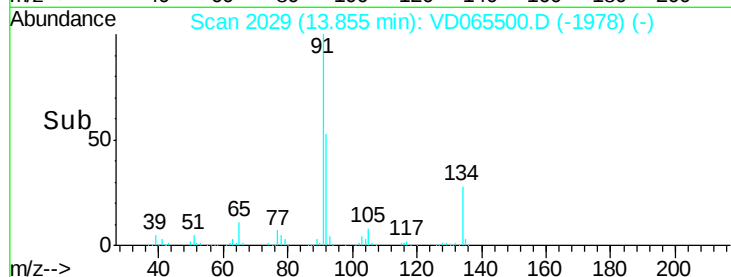
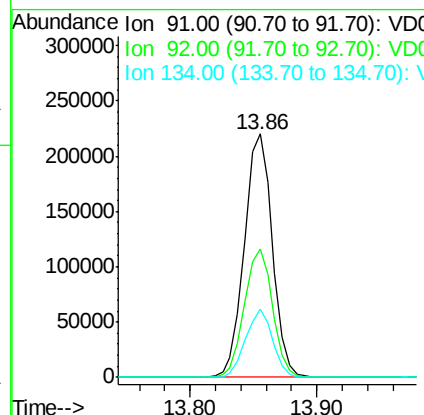
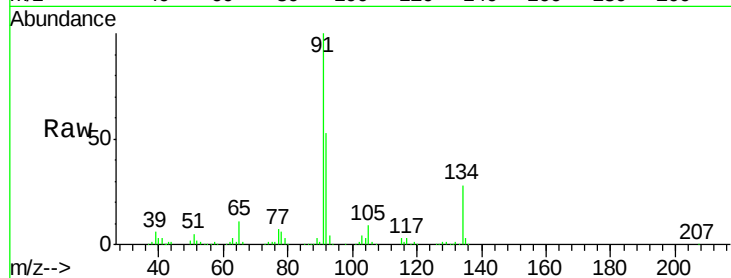
#89
n-Butylbenzene
Concen: 19.638 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.8	80.4	
134	27.0	13.4	40.2	

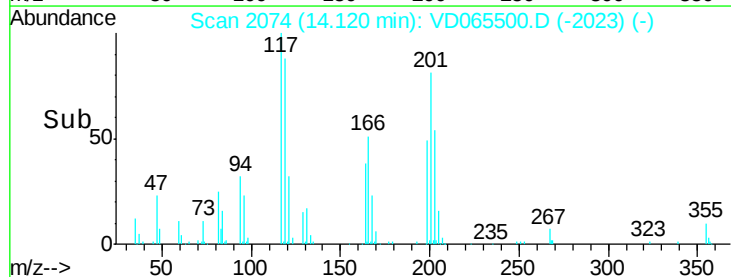
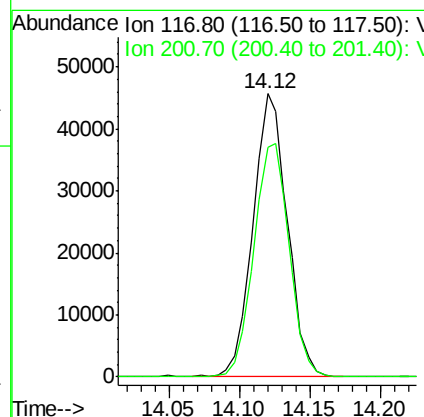
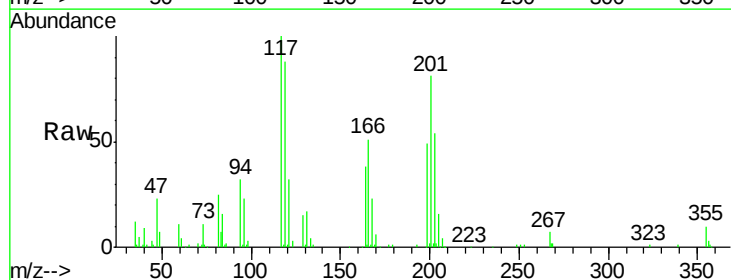
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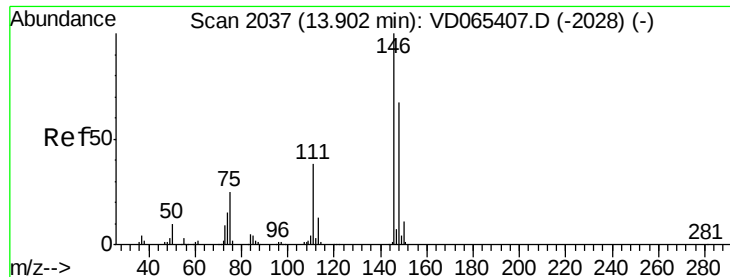
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#90
Hexachloroethane
Concen: 20.404 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.0	41.9	125.6	





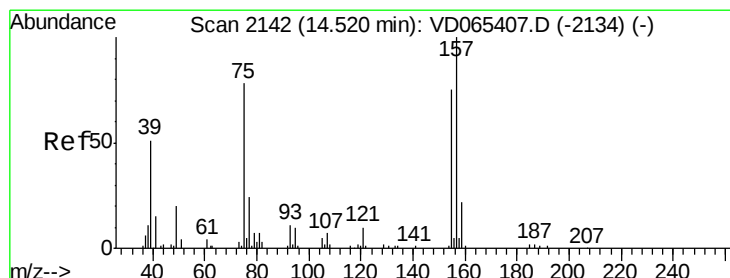
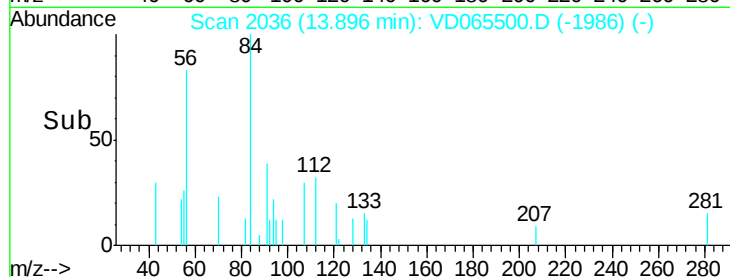
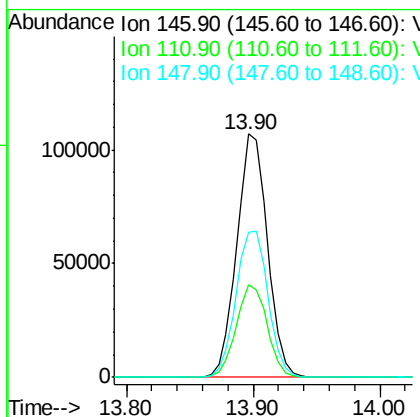
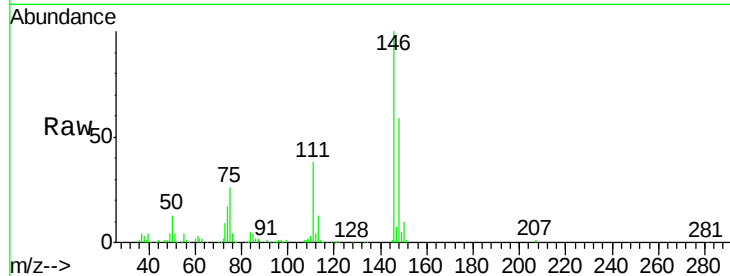
#91
 1,2-Dichlorobenzene
 Concen: 21.563 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	179250		
111	38.1	19.8	59.3	
148	62.6	32.6	97.8	

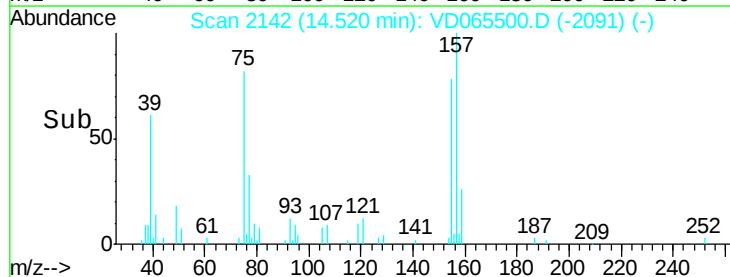
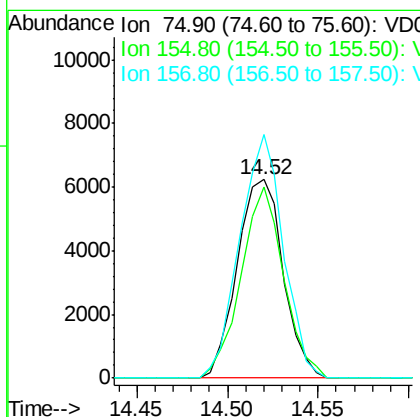
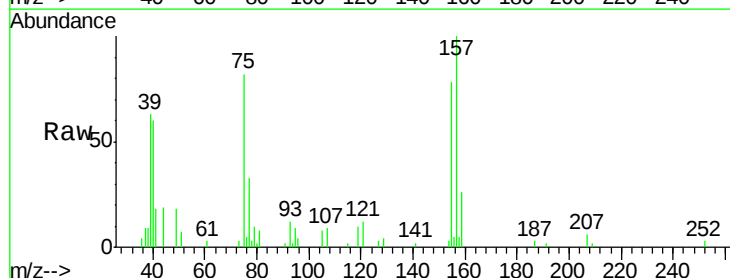
Manual Integrations
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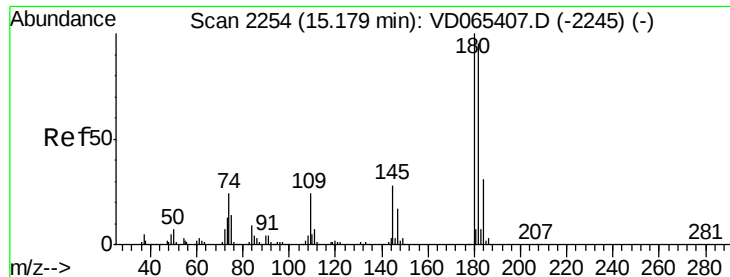
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.107 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11008		
155	89.4	46.4	139.1	
157	116.0	60.2	180.4	





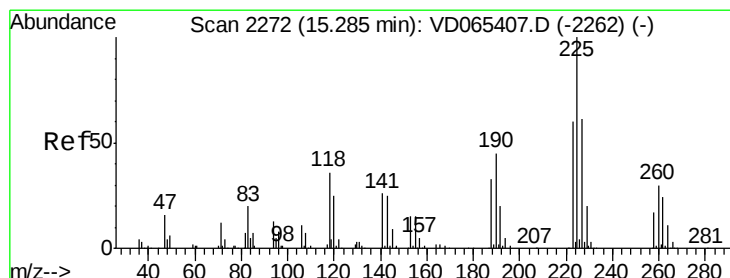
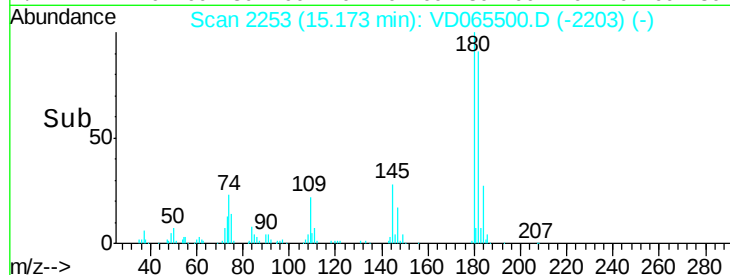
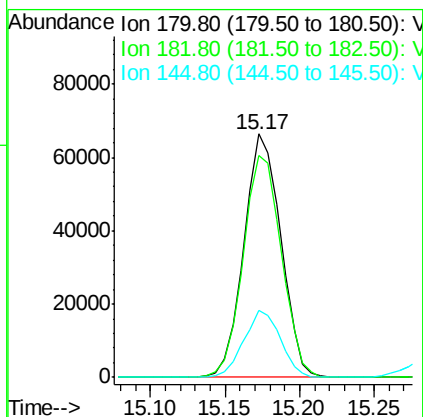
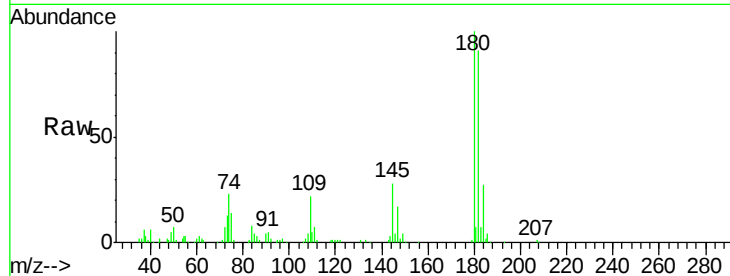
#93
 1,2,4-Trichlorobenzene
 Concen: 20.131 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113422		
182	94.3	48.3	144.9	
145	27.4	14.4	43.4	

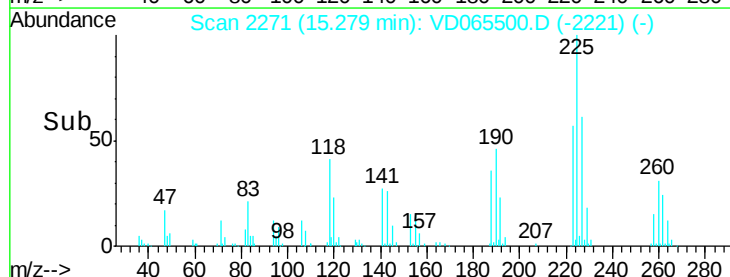
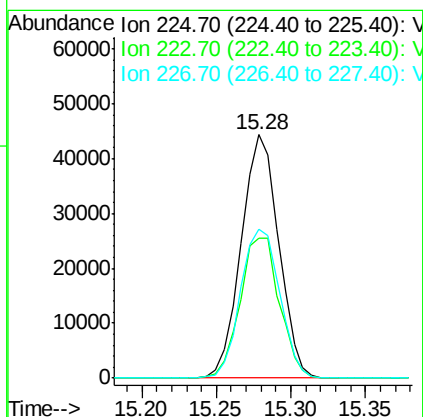
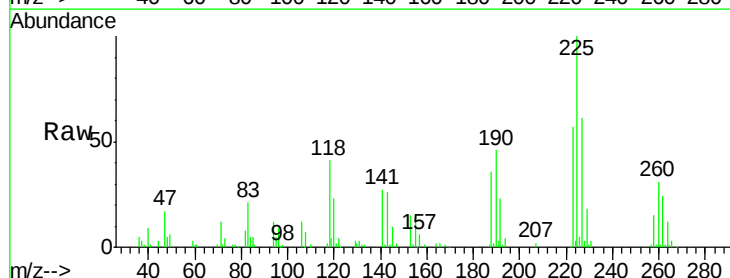
Manual Integrations
 APPROVED

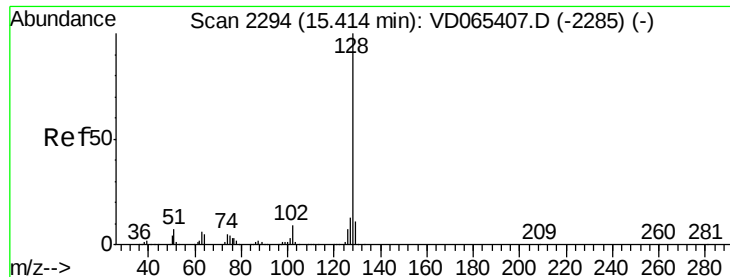
MMDadoda
 3/16/2020 2:05:26 PM



#94
 Hexachlorobutadiene
 Concen: 20.834 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065500.D
 Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77130		
223	60.6	30.9	92.5	
227	64.1	31.6	94.7	





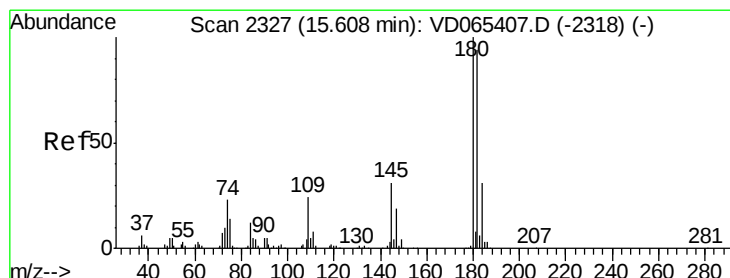
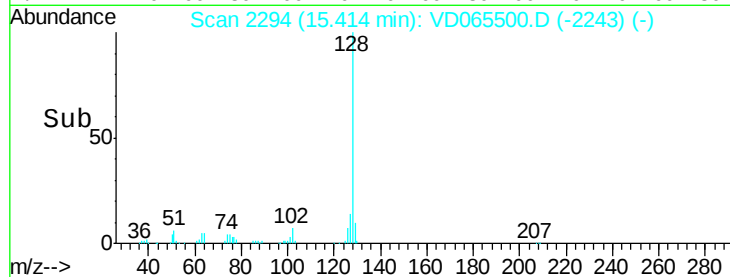
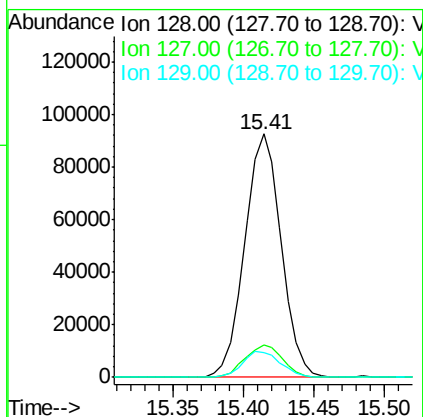
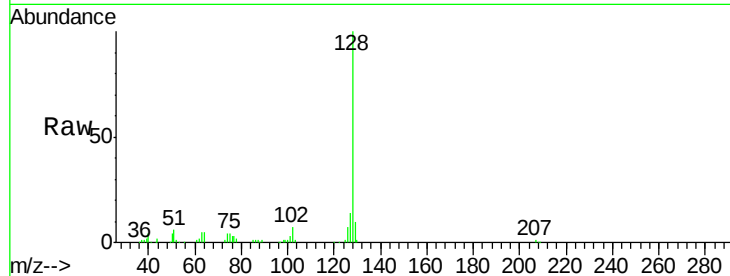
#95
Naphthalene
Concen: 19.649 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0313SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:05:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.338 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065500.D
Acq: 13 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.6
145	30.2	15.0	45.1

