

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065105.D
 Acq On : 07 Feb 2020 12:57
 Operator : VA/SY
 Sample : VD0207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:06:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284590	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	212252	58.62	ug/l	0.00
Spiked Amount			Recovery	=	117.24%	
35) Dibromofluoromethane	7.92	113	206398	57.09	ug/l	0.00
Spiked Amount			Recovery	=	114.18%	
50) Toluene-d8	10.34	98	826569	57.44	ug/l	0.00
Spiked Amount			Recovery	=	114.88%	
62) 4-Bromofluorobenzene	12.64	95	255919	56.13	ug/l	0.00
Spiked Amount			Recovery	=	112.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	77310	21.808	ug/l	98
3) Chloromethane	2.21	50	102085	24.463	ug/l	99
4) Vinyl Chloride	2.35	62	105706	23.951	ug/l	97
5) Bromomethane	2.76	94	67479	23.581	ug/l	93
6) Chloroethane	2.92	64	67756	24.750	ug/l	96
7) Trichlorofluoromethane	3.27	101	154422	24.043	ug/l	96
8) Diethyl Ether	3.71	74	40854	22.157	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	88930	22.649	ug/l	98
10) Methyl Iodide	4.30	142	89010	19.861	ug/l	98
11) Tert butyl alcohol	5.25	59	23467	106.081	ug/l	99
12) 1,1-Dichloroethene	4.06	96	82926	22.052	ug/l	99
13) Acrolein	3.92	56	26165	96.162	ug/l	99
14) Allyl chloride	4.71	41	135669	21.708	ug/l	97
15) Acrylonitrile	5.43	53	91745	113.813	ug/l	100
16) Acetone	4.17	43	90249	99.697	ug/l	99
17) Carbon Disulfide	4.40	76	276186	22.875	ug/l	97
18) Methyl Acetate	4.73	43	45504	24.060	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	180568	21.715	ug/l	99
20) Methylene Chloride	4.96	84	101649	23.407	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	97046	22.810	ug/l	97
22) Diisopropyl ether	6.37	45	273507	23.201	ug/l	96
23) Vinyl Acetate	6.31	43	739881	112.603	ug/l	97
24) 1,1-Dichloroethane	6.27	63	165576	23.205	ug/l	98
25) 2-Butanone	7.22	43	120398	111.500	ug/l	96
26) 2,2-Dichloropropane	7.21	77	146040	22.834	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100672	22.273	ug/l	98
28) Bromochloromethane	7.55	49	59208	21.890	ug/l	98
29) Tetrahydrofuran	7.57	42	74977	114.820	ug/l	99
30) Chloroform	7.71	83	167234	23.538	ug/l	95
31) Cyclohexane	7.98	56	155814	21.633	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	149312	22.561	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132819	22.045	ug/l	98
37) Ethyl Acetate	7.30	43	56530	22.967	ug/l	99
38) Carbon Tetrachloride	8.10	117	137125	22.285	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154653	20.796	ug/l	97
40) Benzene	8.36	78	369867	22.231	ug/l	100
41) Methacrylonitrile	7.53	41	33015	24.347	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	106404	22.445	ug/l	98
43) Isopropyl Acetate	8.46	43	102994	21.874	ug/l	100
44) Trichloroethene	9.11	130	102611	21.487	ug/l	99
45) 1,2-Dichloropropane	9.39	63	90223	22.618	ug/l	91
46) Dibromomethane	9.48	93	48112	22.953	ug/l	96
47) Bromodichloromethane	9.67	83	128742	23.310	ug/l	98
48) Methyl methacrylate	9.46	41	48734	21.510	ug/l	99
49) 1,4-Dioxane	9.47	88	11168	449.829	ug/l #	91
51) 4-Methyl-2-Pentanone	10.24	43	257856	111.262	ug/l	99
52) Toluene	10.41	92	236091	22.233	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	118177	21.976	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	141479	21.998	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65224	22.685	ug/l	91
56) Ethyl methacrylate	10.67	69	77200	21.221	ug/l	95
57) 1,3-Dichloropropane	10.96	76	114656	22.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	120223	90.129	ug/l	100
59) 2-Hexanone	10.99	43	178814	108.928	ug/l	100
60) Dibromochloromethane	11.15	129	85386	22.928	ug/l	97
61) 1,2-Dibromoethane	11.25	107	62052	22.088	ug/l	98
64) Tetrachloroethene	10.88	164	87813	20.863	ug/l	98
65) Chlorobenzene	11.68	112	249728	22.042	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	90843	21.725	ug/l	96
67) Ethyl Benzene	11.75	91	444237	21.582	ug/l	94
68) m/p-Xylenes	11.86	106	336438	42.824	ug/l	98
69) o-Xylene	12.19	106	150725	21.305	ug/l	98
70) Styrene	12.20	104	265530	21.595	ug/l	99
71) Bromoform	12.37	173	49453	21.972	ug/l #	97
73) Isopropylbenzene	12.49	105	410548	21.018	ug/l	100
74) N-amyl acetate	12.30	43	91139	21.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70623	22.973	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	91237	42.344	ug/l #	100
77) Bromobenzene	12.77	156	99601	21.164	ug/l	98
78) n-propylbenzene	12.83	91	503491	22.010	ug/l	98
79) 2-Chlorotoluene	12.92	91	273859	21.478	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	346830	21.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22360	20.754	ug/l	95
82) 4-Chlorotoluene	13.01	91	290983	21.729	ug/l	100
83) tert-Butylbenzene	13.23	119	286771	20.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	345464	21.775	ug/l	99
85) sec-Butylbenzene	13.41	105	403595	21.434	ug/l	99
86) p-Isopropyltoluene	13.53	119	372488	21.291	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	191429	21.725	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	189987	21.663	ug/l	98
89) n-Butylbenzene	13.85	91	344839	21.355	ug/l	100
90) Hexachloroethane	14.12	117	72766	21.965	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	162404	21.518	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.53	75	11188	22.294	ug/l	95

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QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

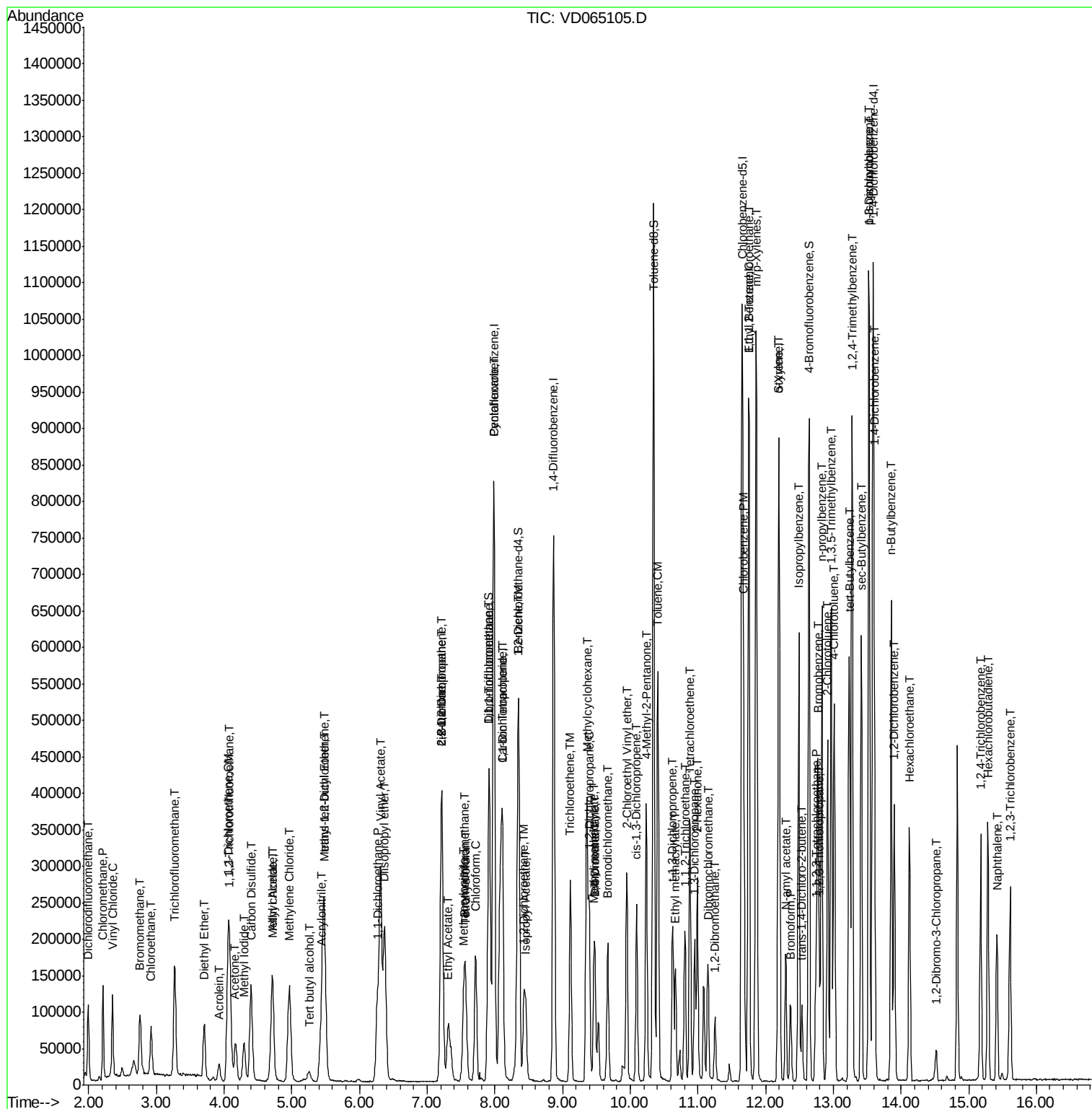
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	111142	20.604	ug/l	99
94) Hexachlorobutadiene	15.28	225	70274	21.187	ug/l	100
95) Naphthalene	15.42	128	173443	19.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	96021	20.810	ug/l	99

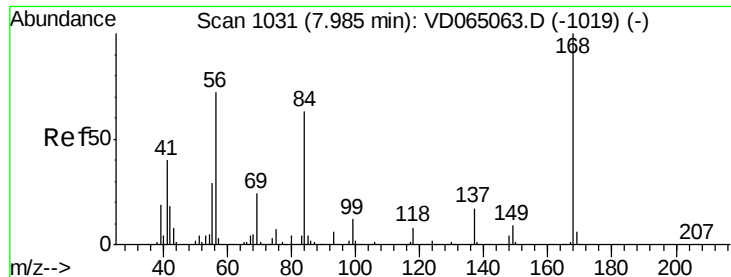
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

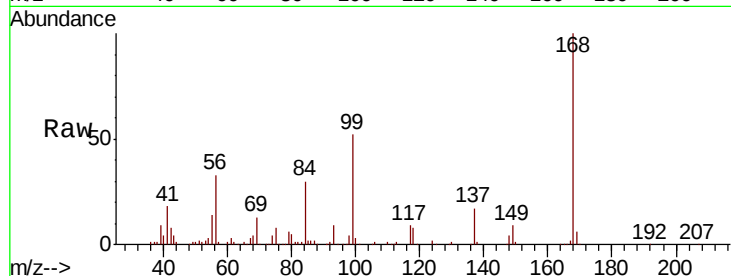
ClientSampleId :

Tot Ion:168 Resp: 426004

Ion Ratio Lower Upper

168 100

99 51.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

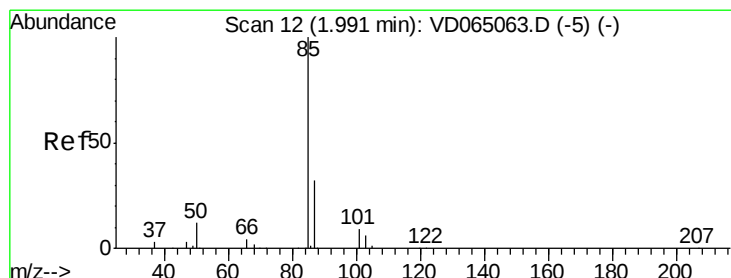
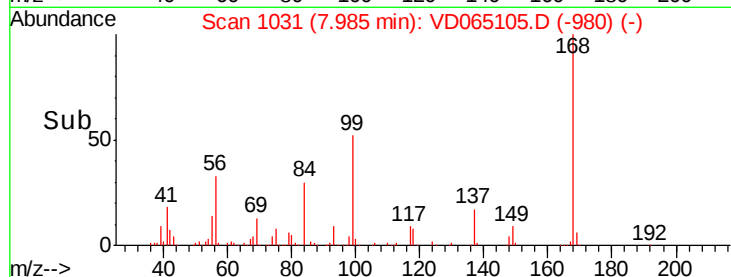
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.808 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065105.D

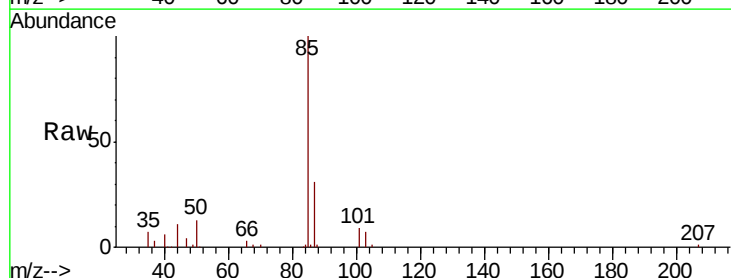
Acq: 07 Feb 2020 12:57

Tgt Ion: 85 Resp: 77310

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

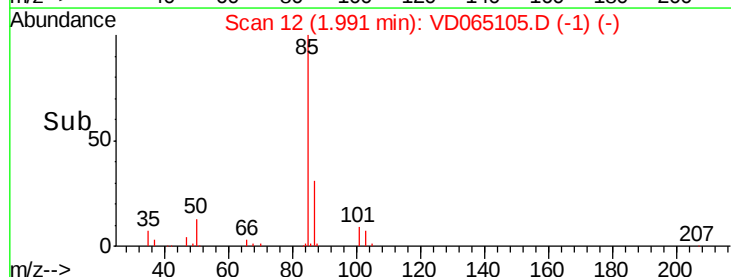
20000

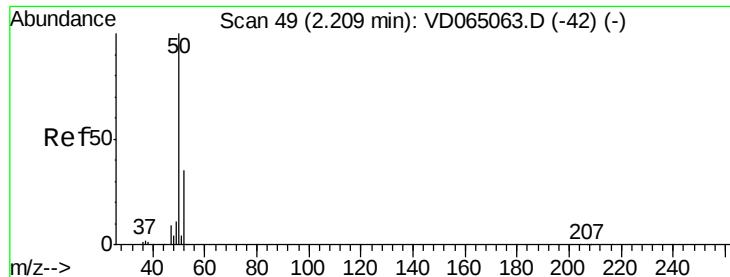
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 24.463 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

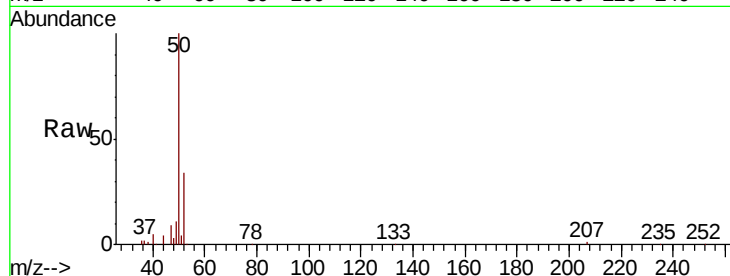
ClientSampleId :

Tot Ion: 50 Resp: 102085

Ion Ratio Lower Upper

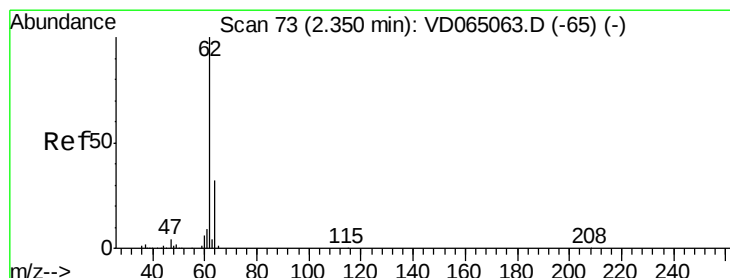
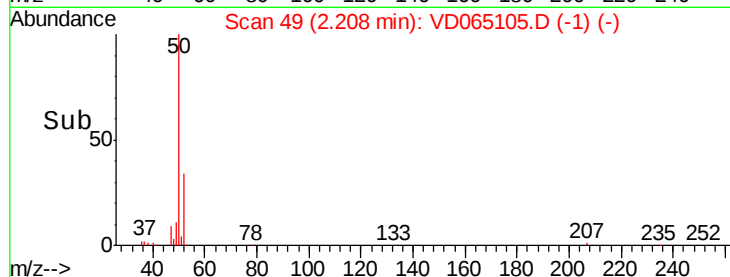
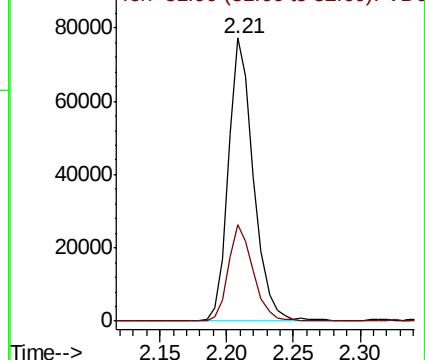
50 100

52 34.0 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.951 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065105.D

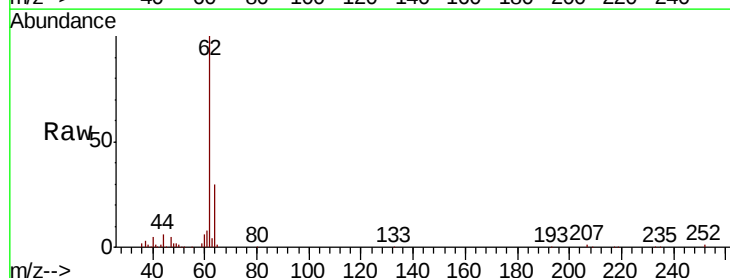
Acq: 07 Feb 2020 12:57

Tgt Ion: 62 Resp: 105706

Ion Ratio Lower Upper

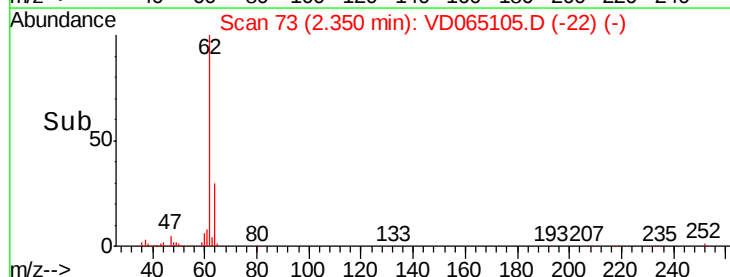
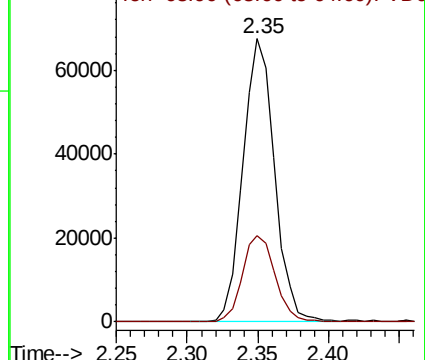
62 100

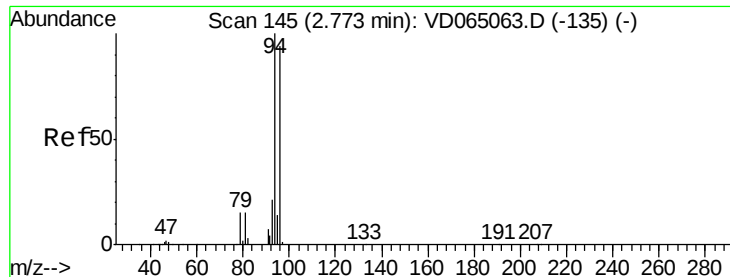
64 30.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.581 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

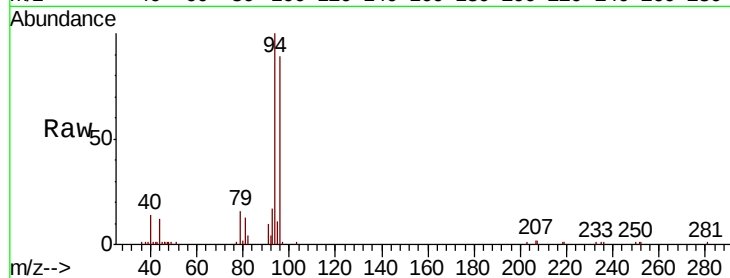
ClientSampleId :

Tot Ion: 94 Resp: 67479

Ion Ratio Lower Upper

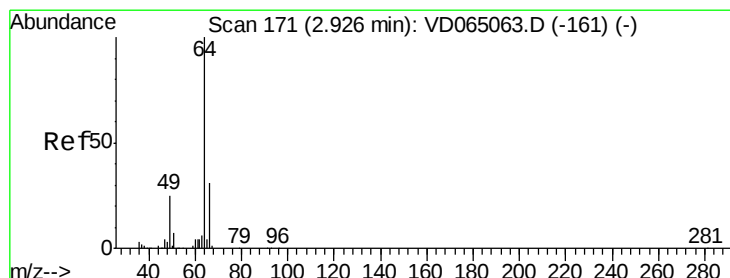
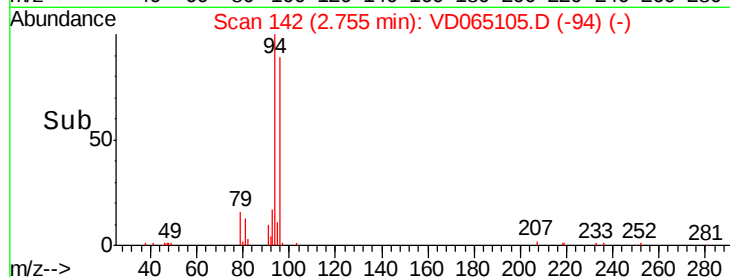
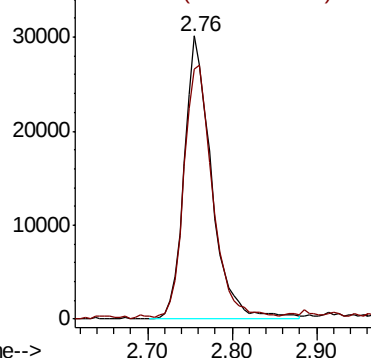
94 100

96 87.4 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.750 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065105.D

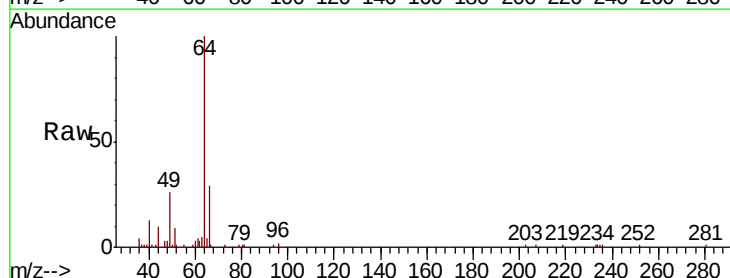
Acq: 07 Feb 2020 12:57

Tgt Ion: 64 Resp: 67756

Ion Ratio Lower Upper

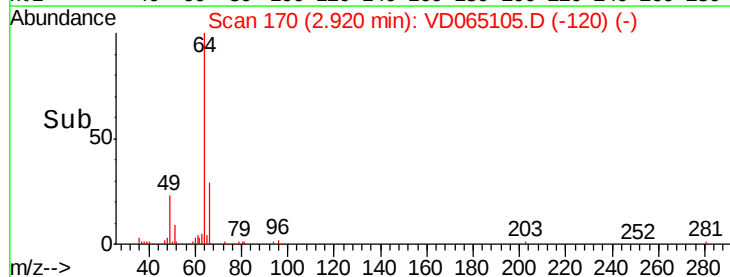
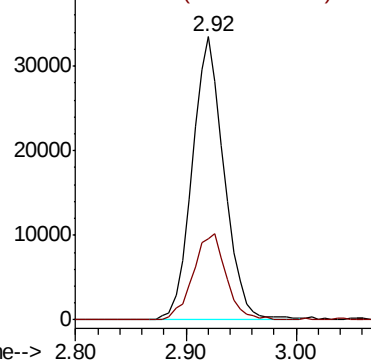
64 100

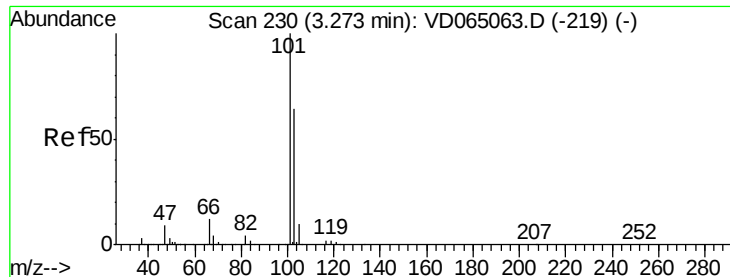
66 28.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



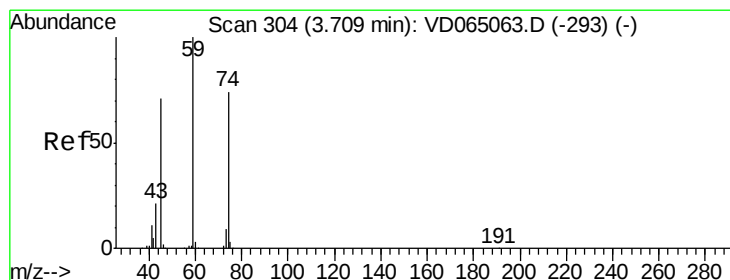
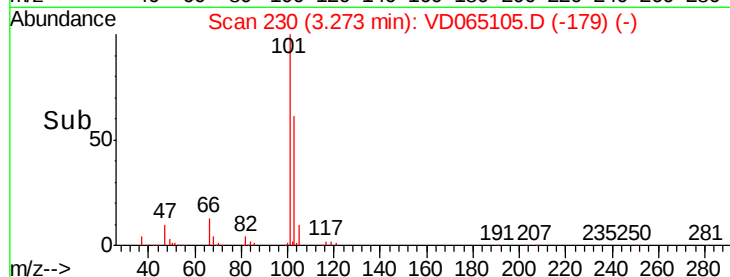
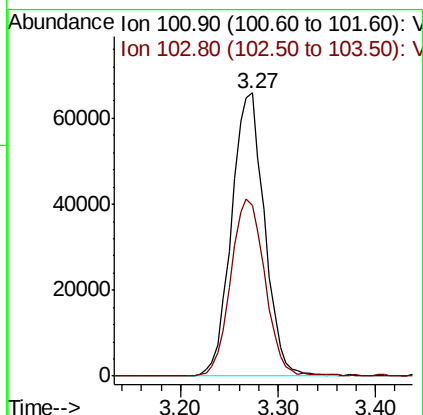
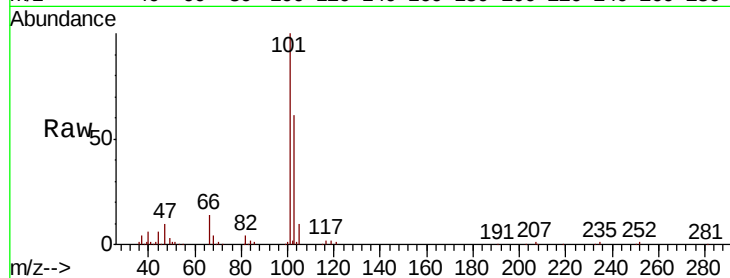


#7

Trichlorofluoromethane
 Concen: 24.043 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

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 MSVOA_D
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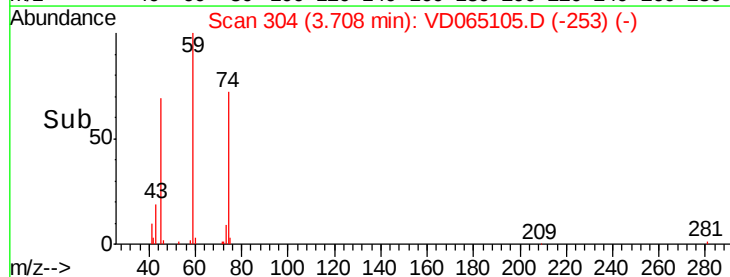
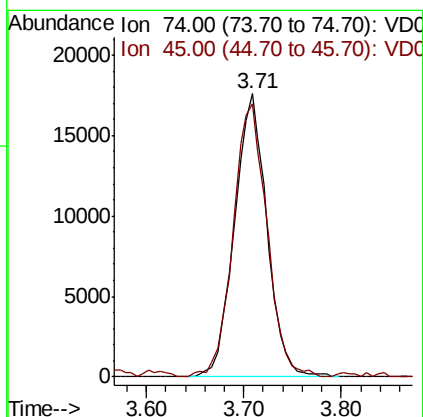
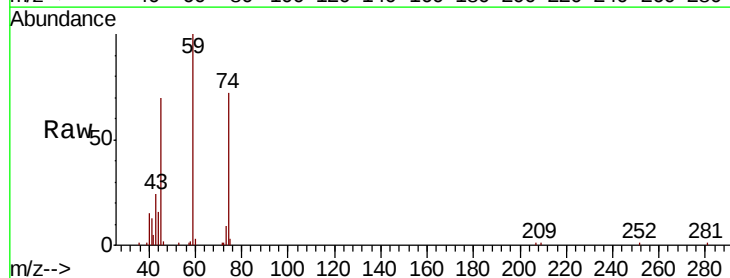
Tot Ion:101 Resp: 154422
 Ion Ratio Lower Upper
 101 100
 103 60.5 51.0 76.6

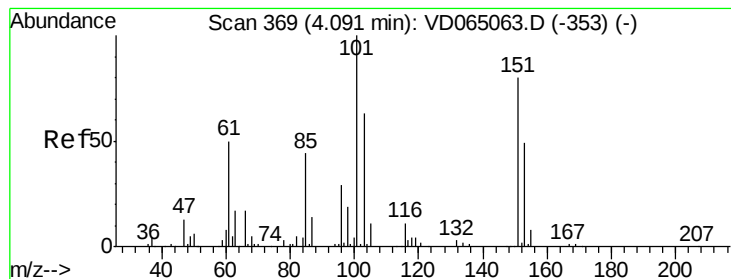


#8

Diethyl Ether
 Concen: 22.157 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion: 74 Resp: 40854
 Ion Ratio Lower Upper
 74 100
 45 100.6 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.649 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

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ClientSampleId :

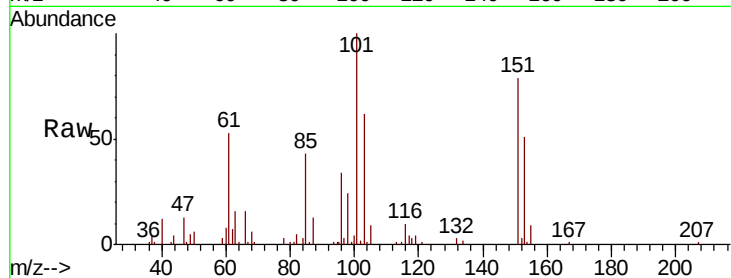
Tot Ion:101 Resp: 88930

Ion Ratio Lower Upper

101 100

85 43.4 34.0 51.0

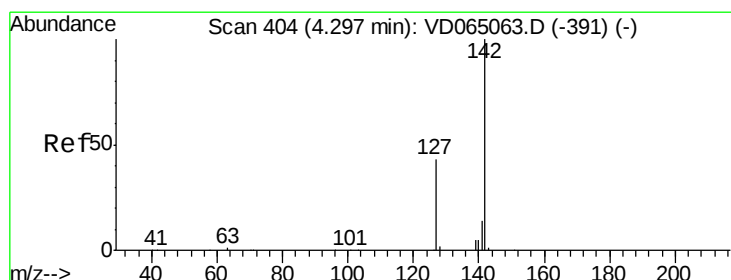
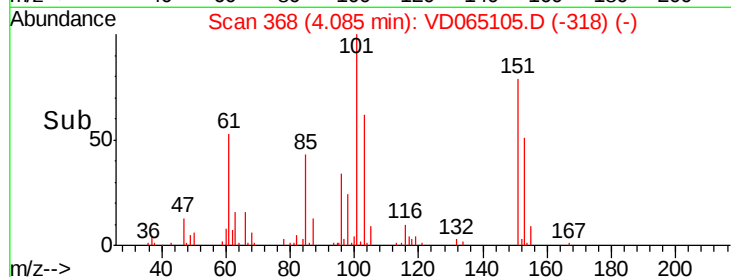
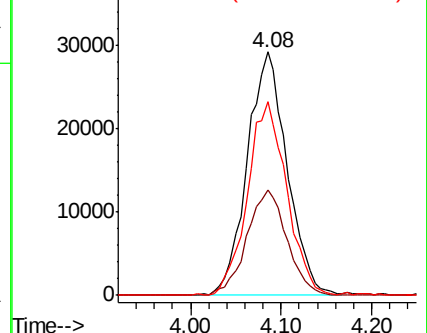
151 78.2 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.861 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

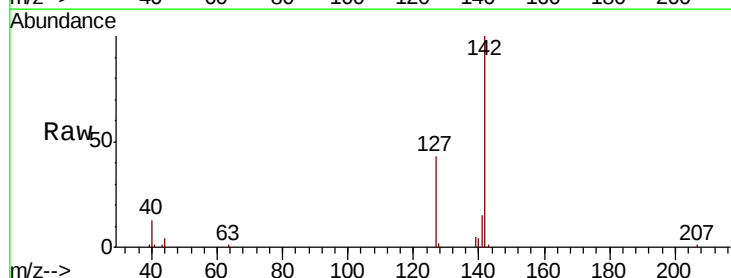
Tgt Ion:142 Resp: 89010

Ion Ratio Lower Upper

142 100

127 44.3 34.0 51.0

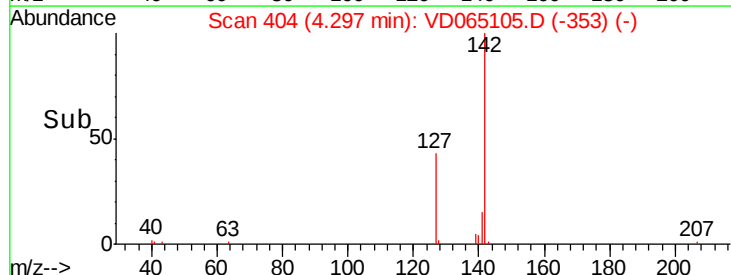
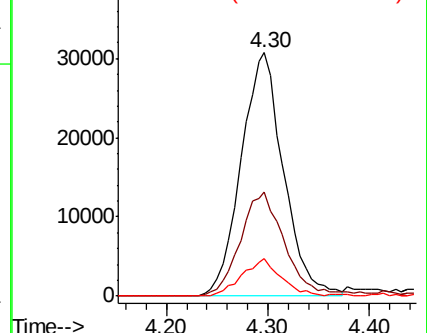
141 14.1 11.6 17.4

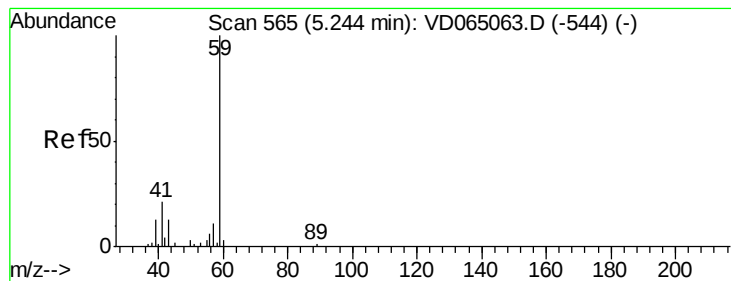


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



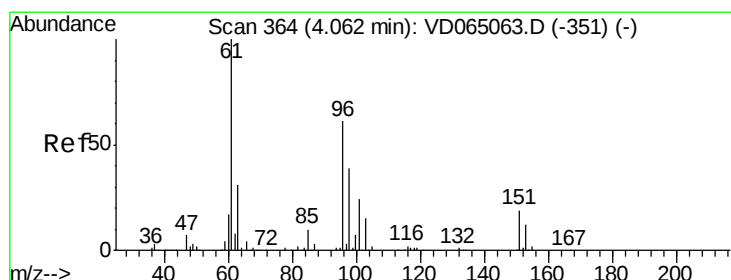
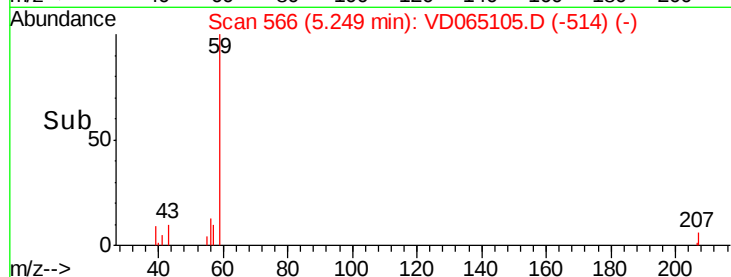
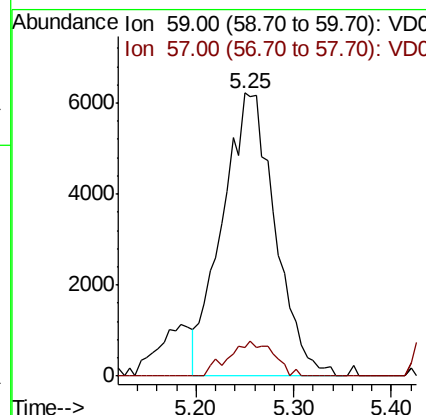
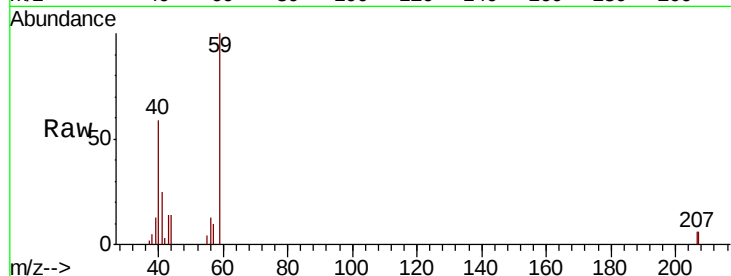


#11

Tert butyl alcohol
 Concen: 106.081 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :

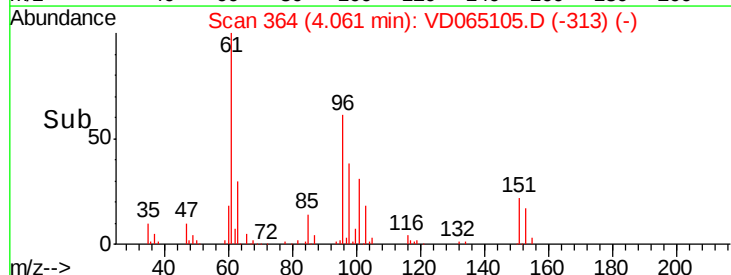
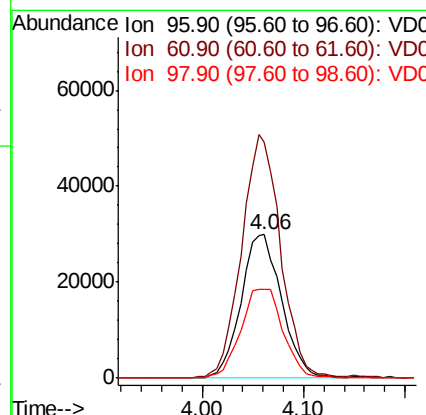
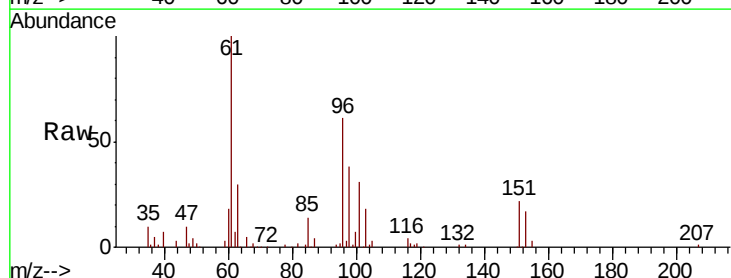
Tot Ion: 59 Resp: 23467
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.8 13.2

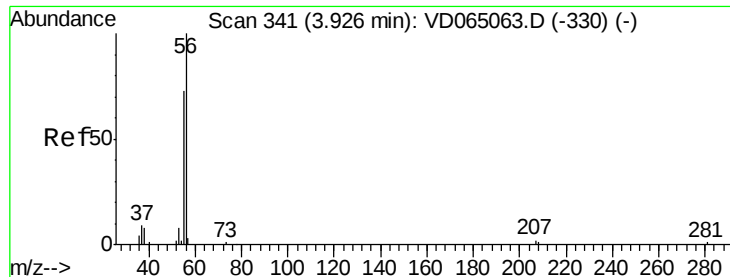


#12

1,1-Dichloroethene
 Concen: 22.052 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion: 96 Resp: 82926
 Ion Ratio Lower Upper
 96 100
 61 164.7 131.4 197.2
 98 61.9 51.1 76.7





#13

Acrolein

Concen: 96.162 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

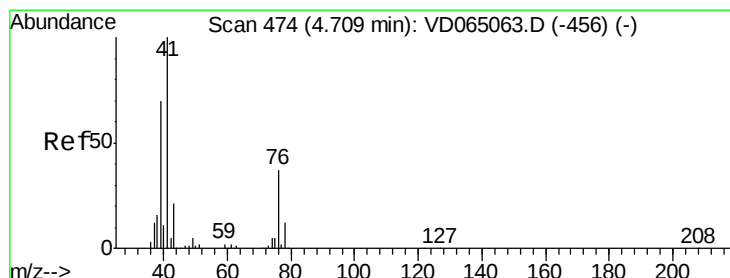
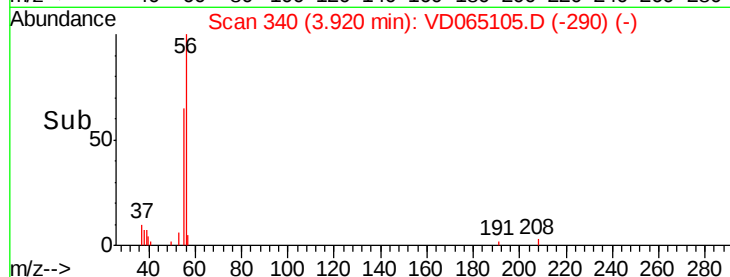
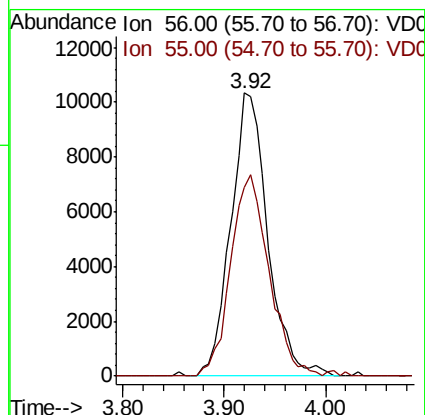
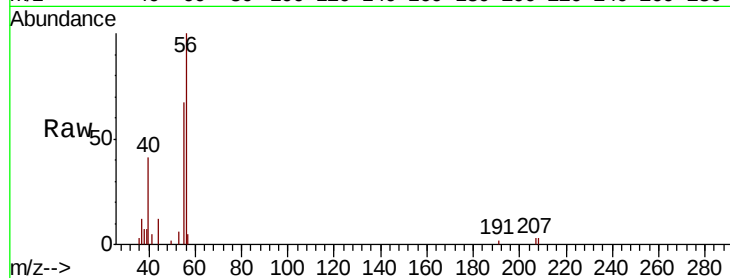
ClientSampleId :

Tot Ion: 56 Resp: 26165

Ion Ratio Lower Upper

56 100

55 73.5 58.2 87.2



#14

Allyl chloride

Concen: 21.708 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

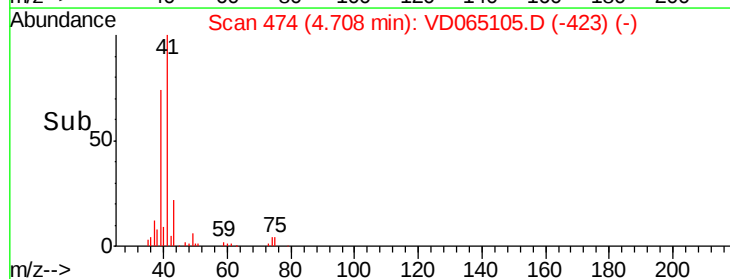
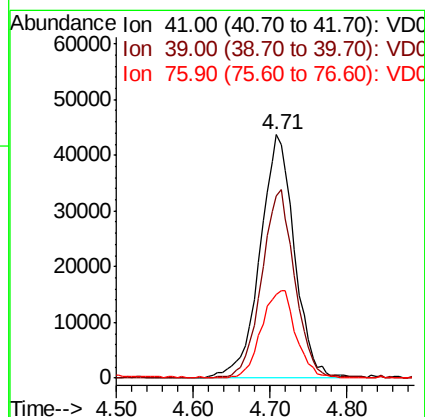
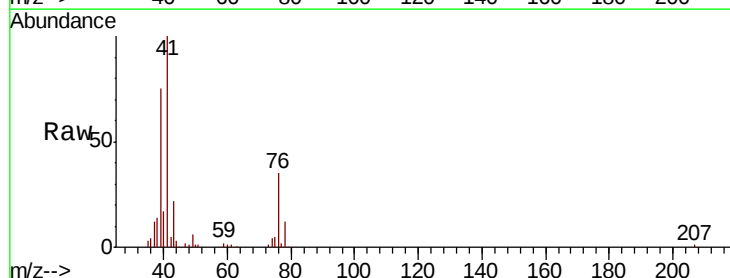
Tgt Ion: 41 Resp: 135669

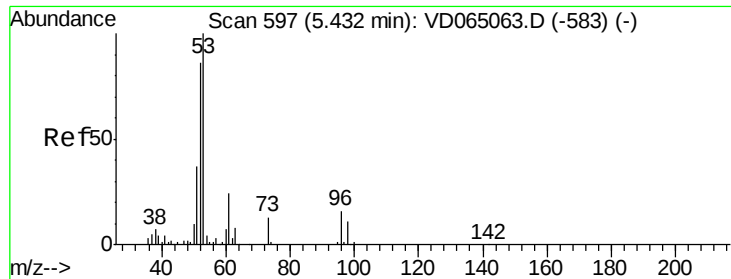
Ion Ratio Lower Upper

41 100

39 74.9 57.1 85.7

76 36.0 28.0 42.0





#15

Acrylonitrile

Concen: 113.813 ug/l

RT: 5.43 min Scan# 597

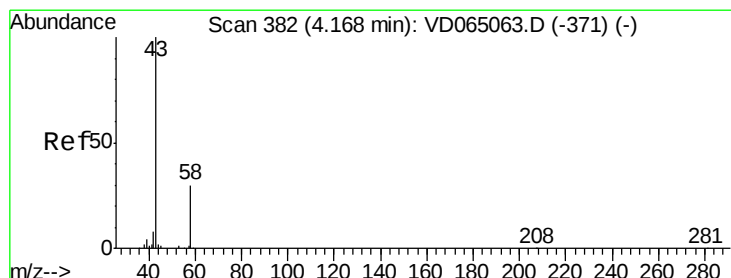
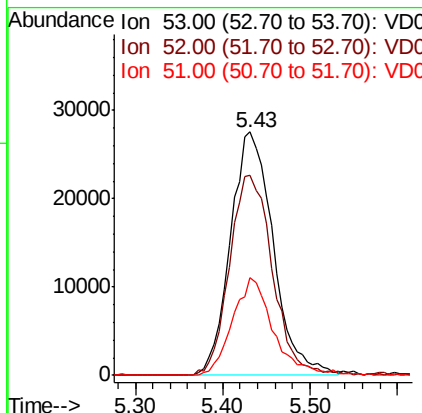
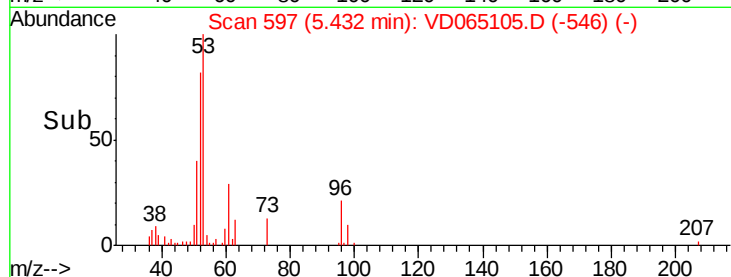
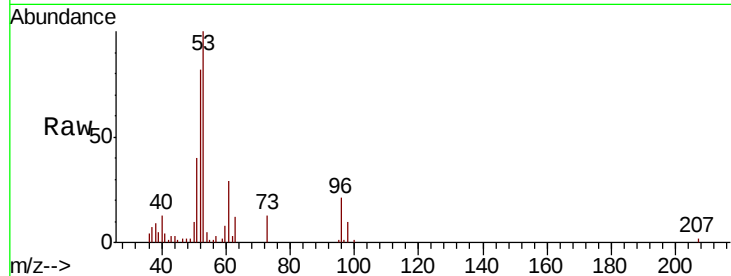
Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	91745
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	37.9	30.4	45.6



#16

Acetone

Concen: 99.697 ug/l

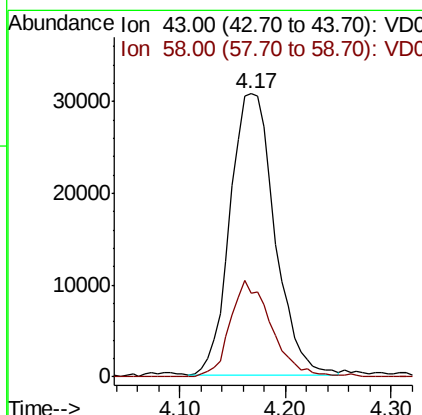
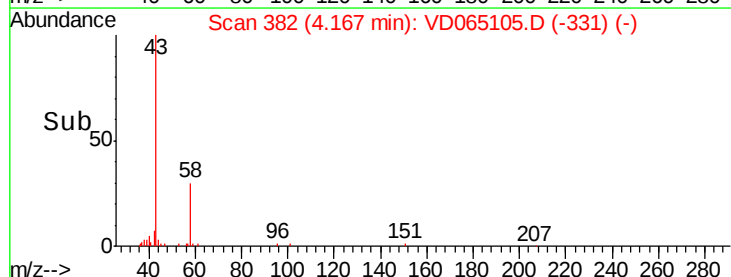
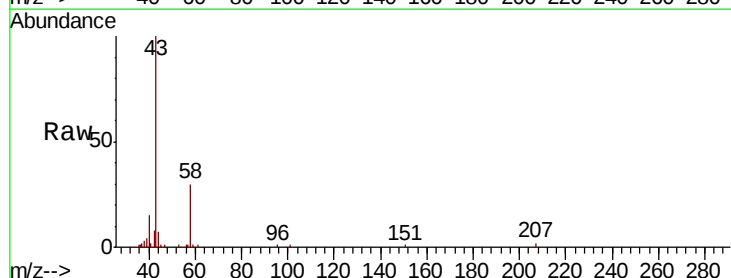
RT: 4.17 min Scan# 382

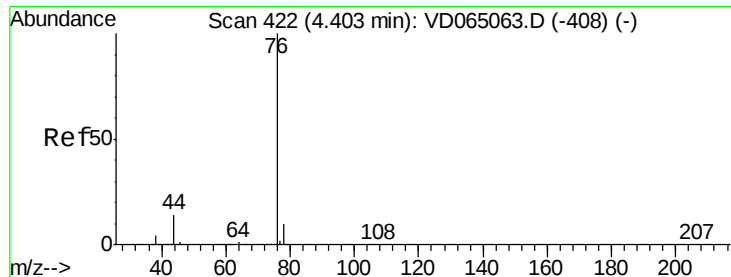
Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion:	43	Resp:	90249
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.5	35.3

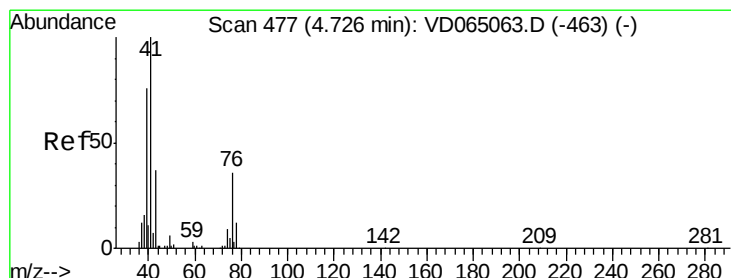
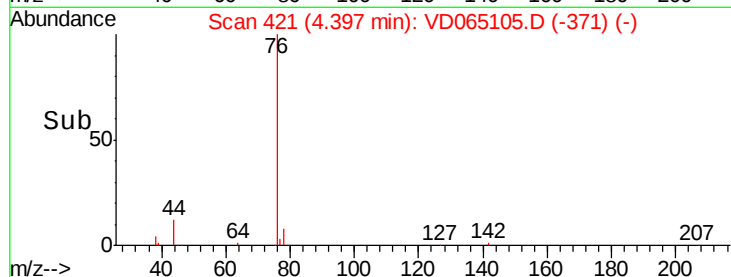
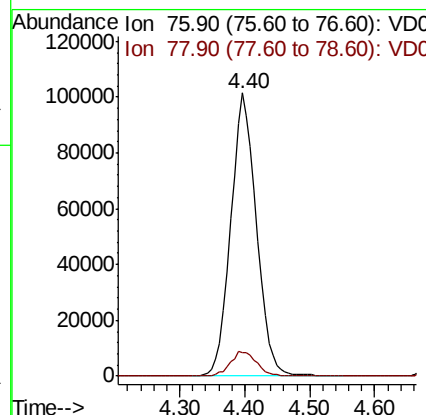
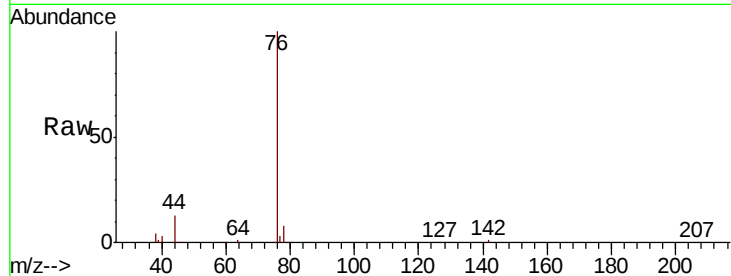




#17
Carbon Disulfide
Concen: 22.875 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

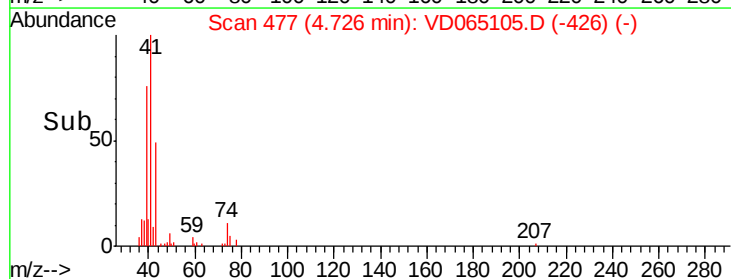
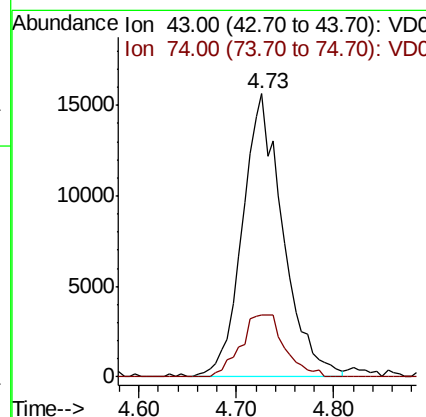
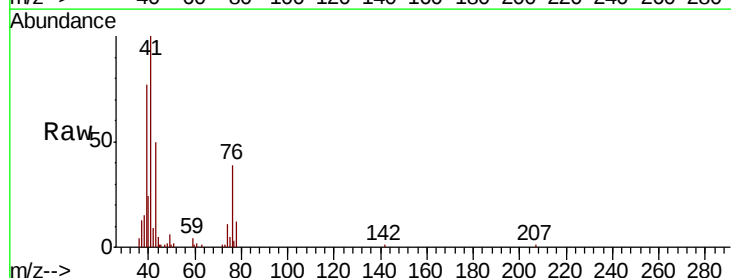
Instrument :
MSVOA_D
ClientSampled :

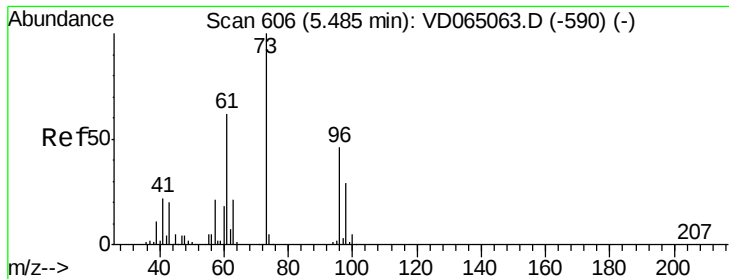
Tot Ion: 76 Resp: 276186
Ion Ratio Lower Upper
76 100
78 8.4 7.6 11.4



#18
Methyl Acetate
Concen: 24.060 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 43 Resp: 45504
Ion Ratio Lower Upper
43 100
74 23.7 18.7 28.1



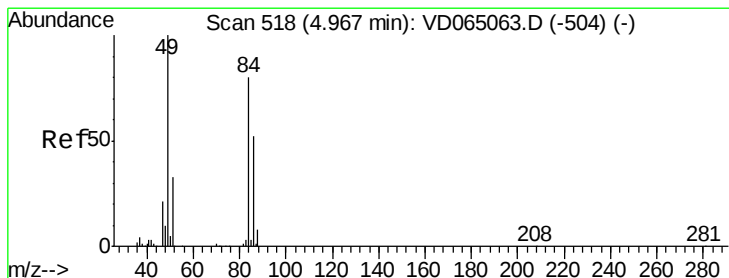
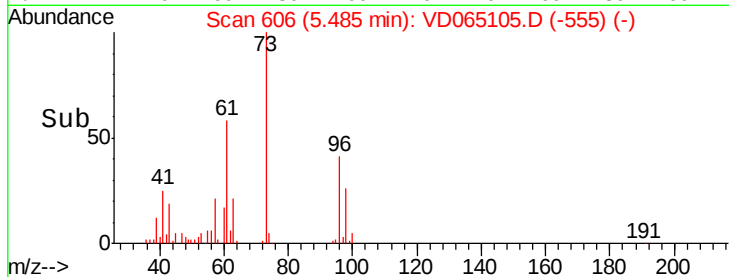
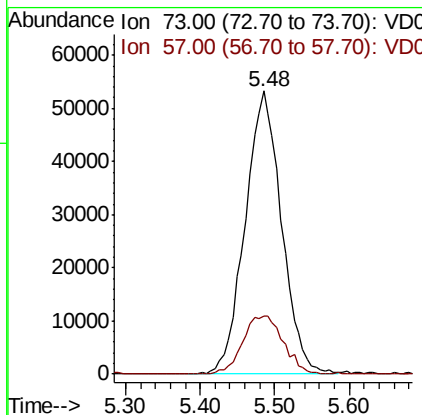
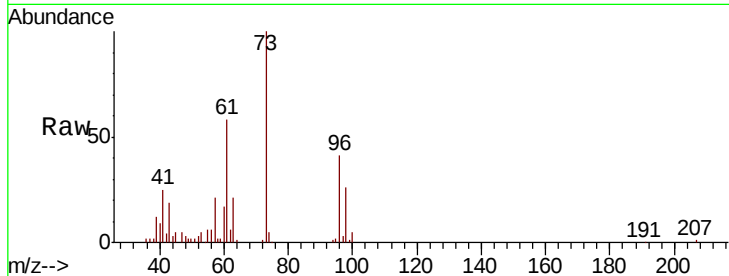


#19

Methyl tert-butyl Ether
 Concen: 21.715 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :

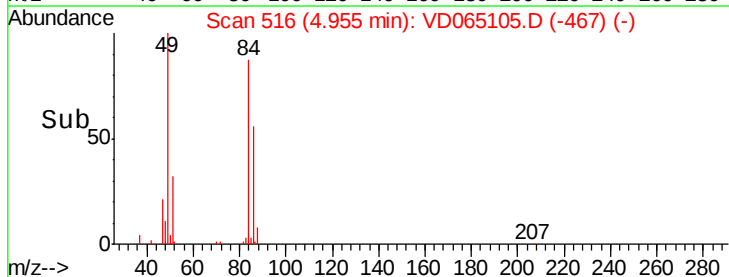
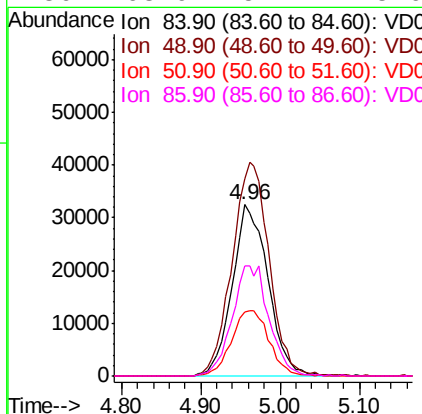
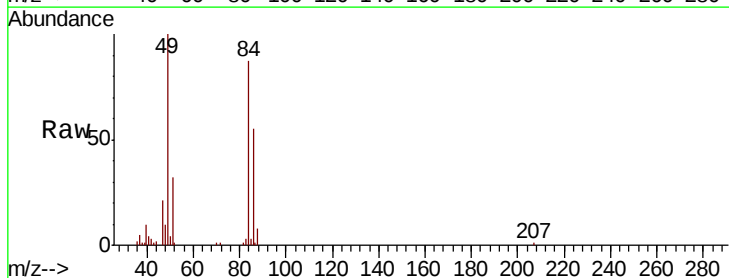
Tot Ion: 73 Resp: 180568
 Ion Ratio Lower Upper
 73 100
 57 20.6 16.8 25.2

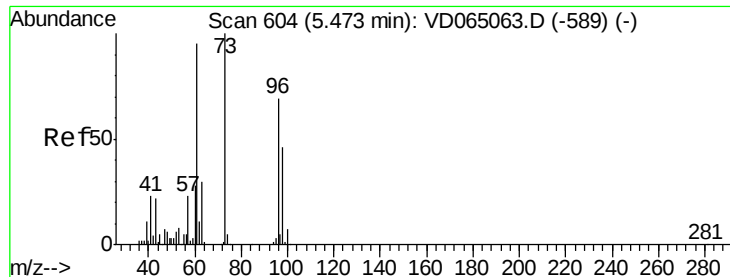


#20

Methylene Chloride
 Concen: 23.407 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion: 84 Resp: 101649
 Ion Ratio Lower Upper
 84 100
 49 115.5 100.4 150.6
 51 37.2 32.7 49.1
 86 63.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 22.810 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

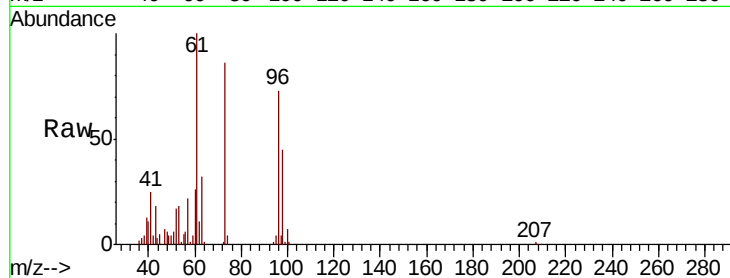
Tot Ion: 96 Resp: 97046

Ion Ratio Lower Upper

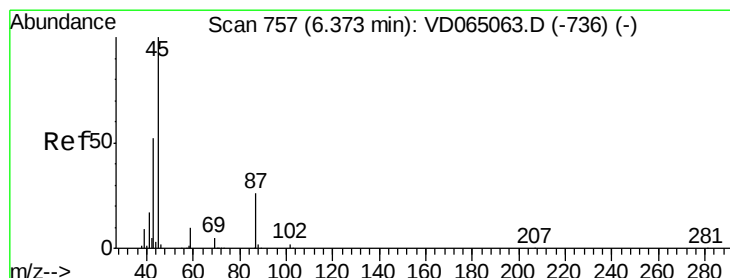
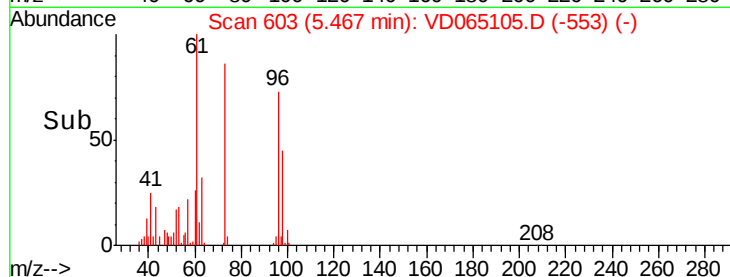
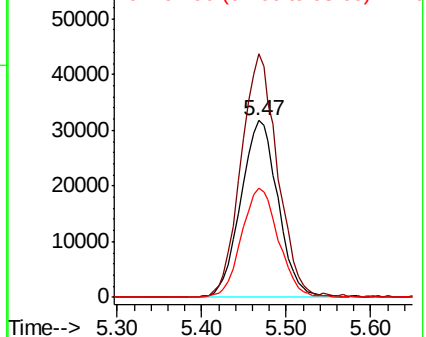
96 100

61 137.7 109.5 164.3

98 62.0 53.7 80.5



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



#22

Diisopropyl ether

Concen: 23.201 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion: 45 Resp: 273507

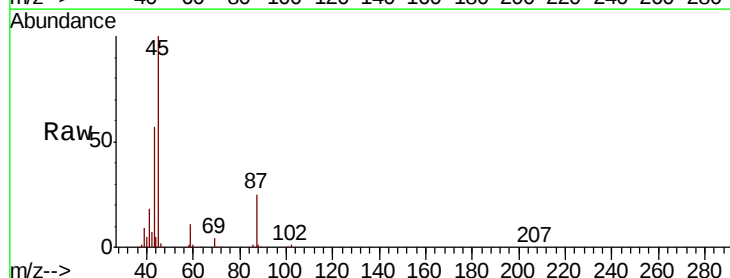
Ion Ratio Lower Upper

45 100

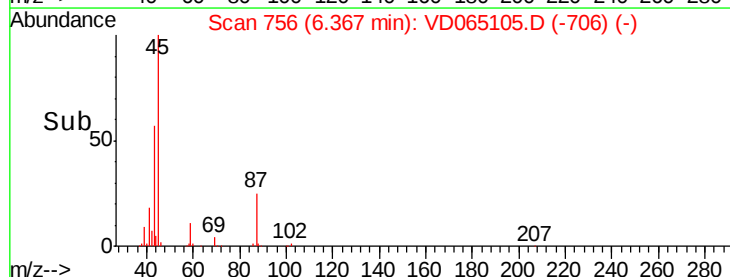
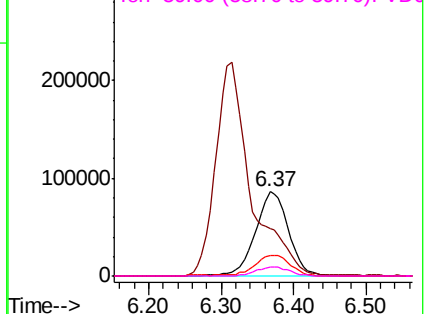
43 55.5 41.3 61.9

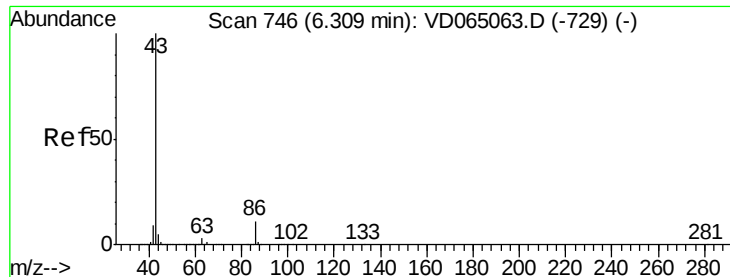
87 24.6 21.0 31.6

59 10.8 8.2 12.4



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

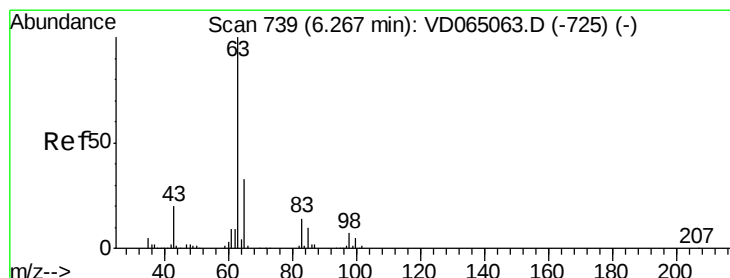
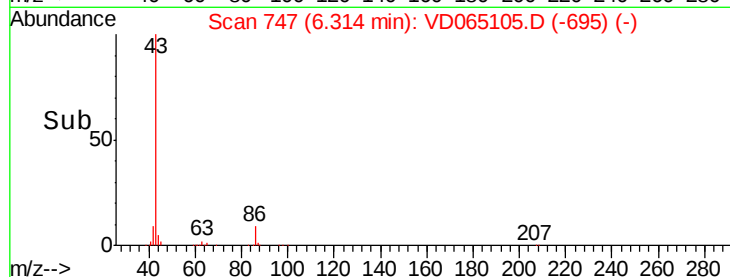
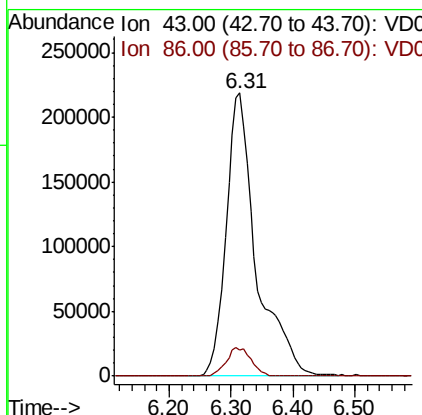
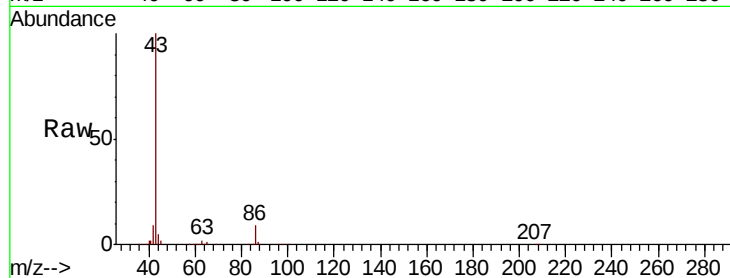




#23
 Vinyl Acetate
 Concen: 112.603 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

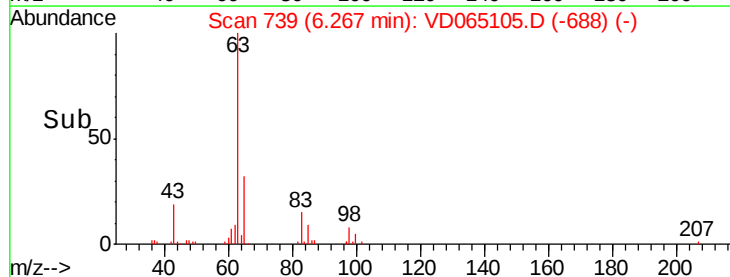
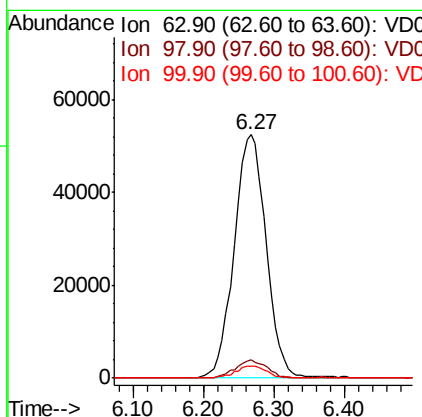
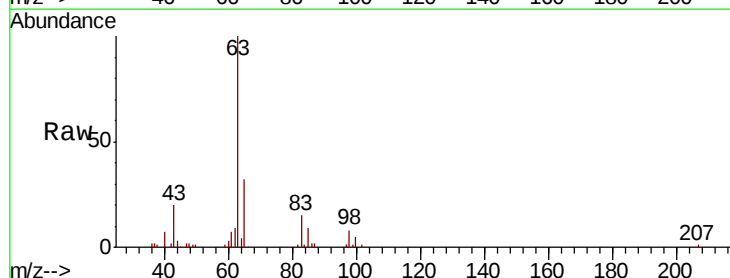
Instrument :
 MSVOA_D
 ClientSampleId :

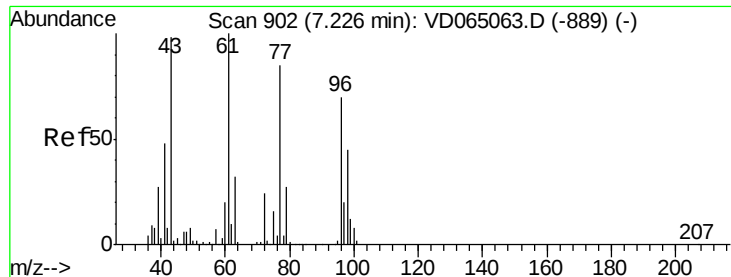
Tot Ion: 43 Resp: 739881
 Ion Ratio Lower Upper
 43 100
 86 9.3 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 23.205 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion: 63 Resp: 165576
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.5 10.4
 100 4.9 2.5 7.6





#25

2-Butanone

Concen: 111.500 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

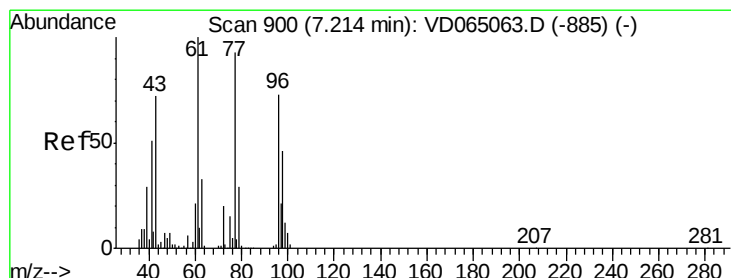
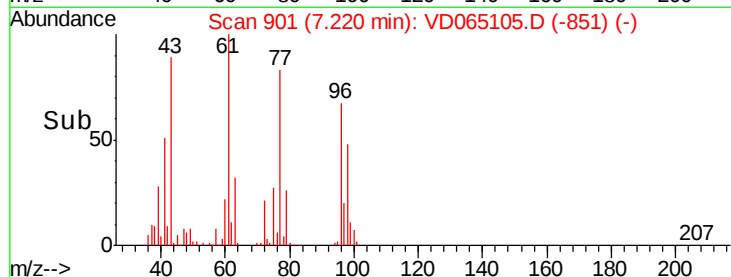
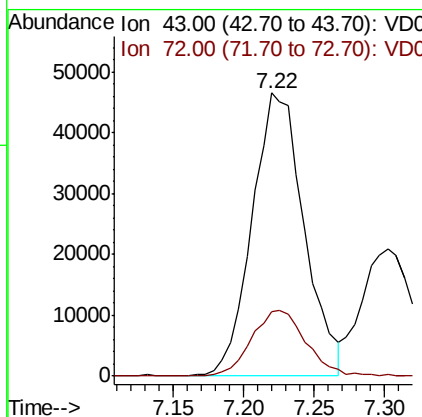
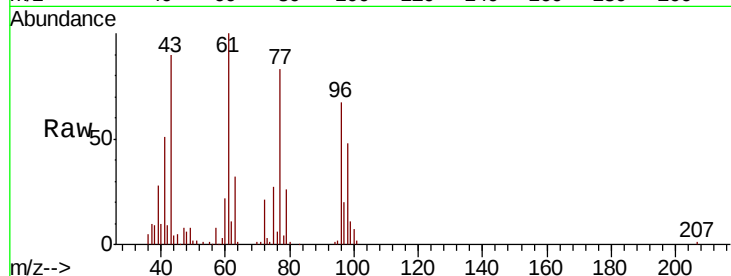
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 120398

Ion Ratio Lower Upper

43 100

72 22.9 19.9 29.9



#26

2,2-Dichloropropane

Concen: 22.834 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065105.D

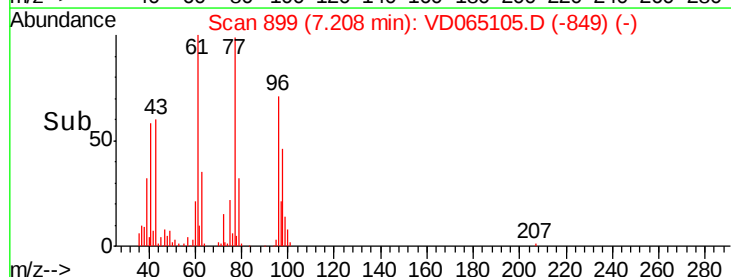
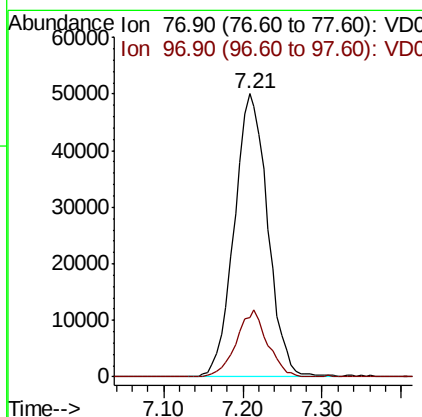
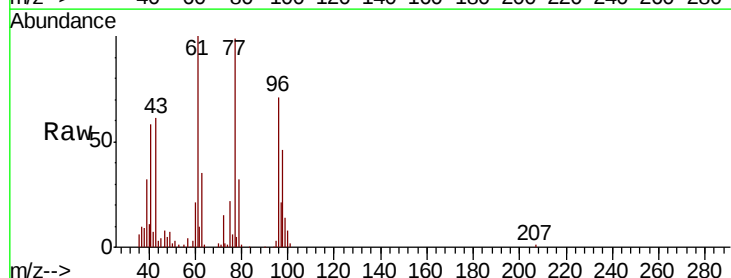
Acq: 07 Feb 2020 12:57

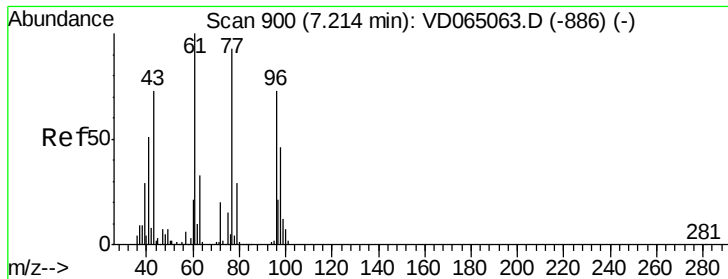
Tgt Ion: 77 Resp: 146040

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.6



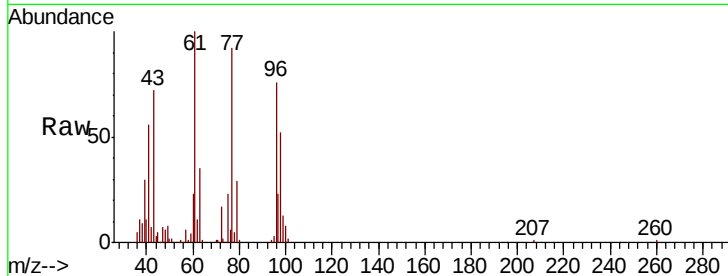


#27

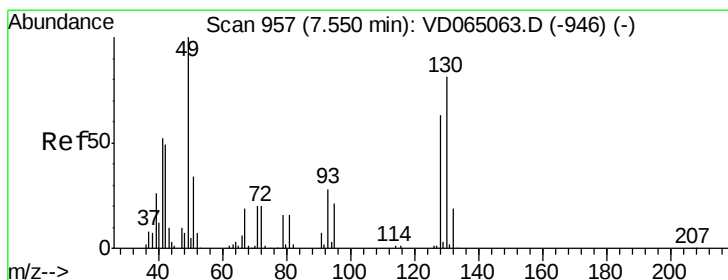
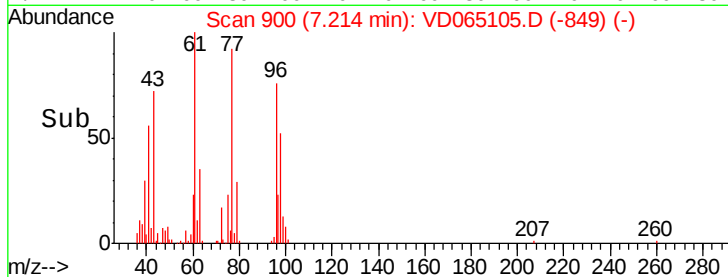
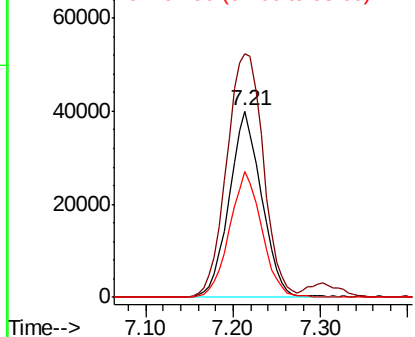
cis-1,2-Dichloroethene
Concen: 22.273 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	292.8
98	67.3	0.0	128.8



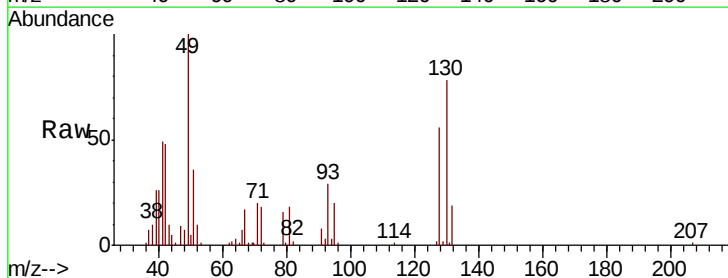
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



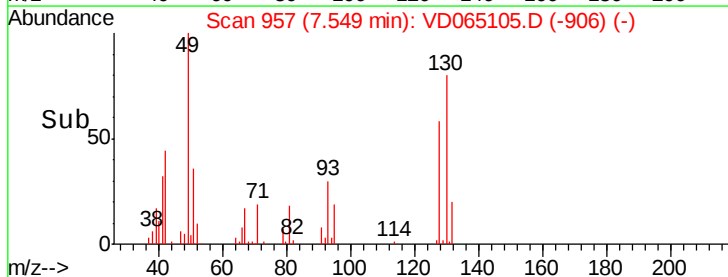
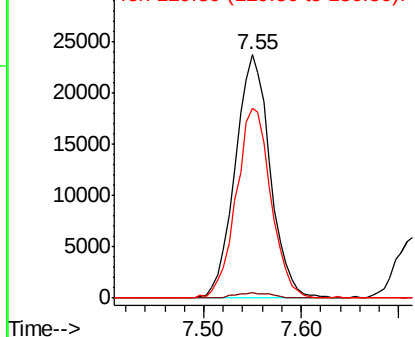
#28

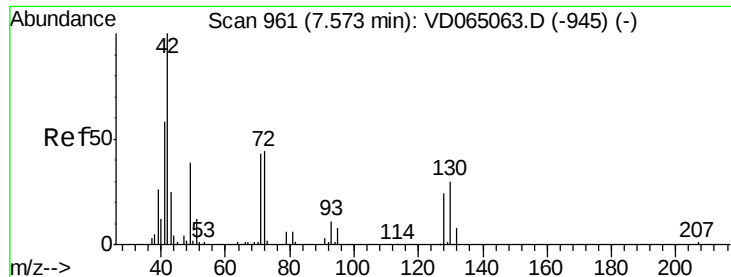
Bromochloromethane
Concen: 21.890 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	77.6	63.8	95.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

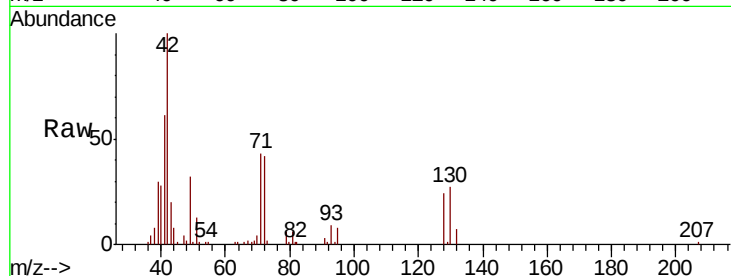




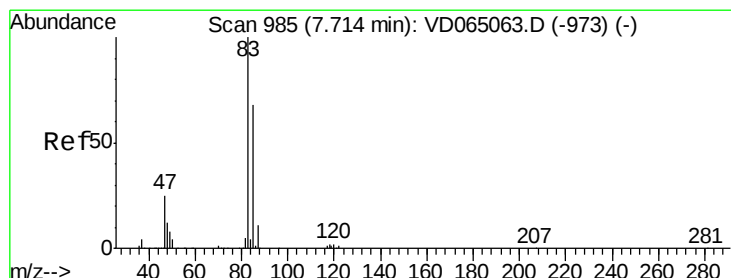
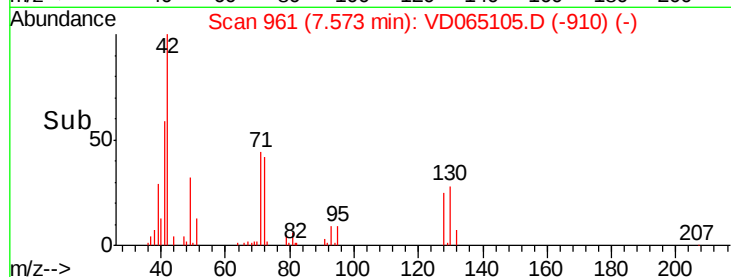
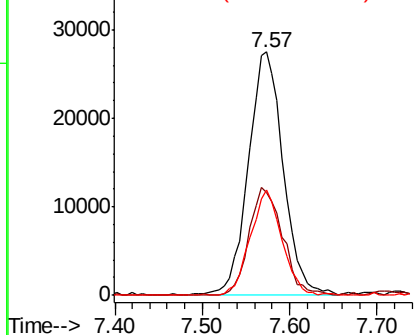
#29
Tetrahydrofuran
Concen: 114.820 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 74977
Ion Ratio Lower Upper
42 100
72 42.3 34.2 51.4
71 38.9 31.8 47.6

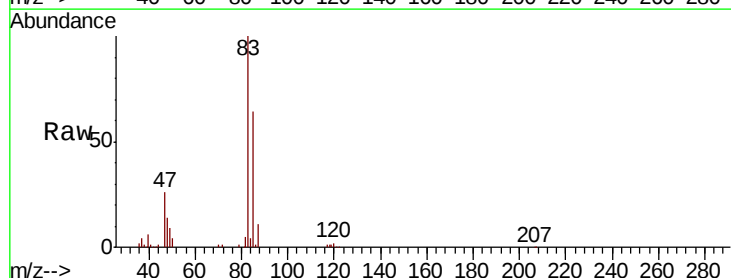


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

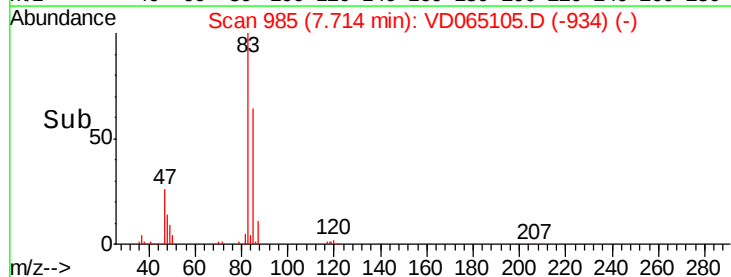
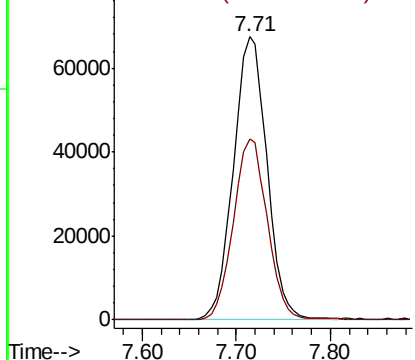


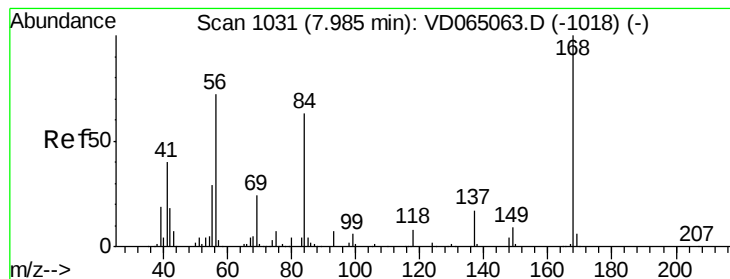
#30
Chloroform
Concen: 23.538 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 83 Resp: 167234
Ion Ratio Lower Upper
83 100
85 63.9 54.2 81.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 21.633 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :

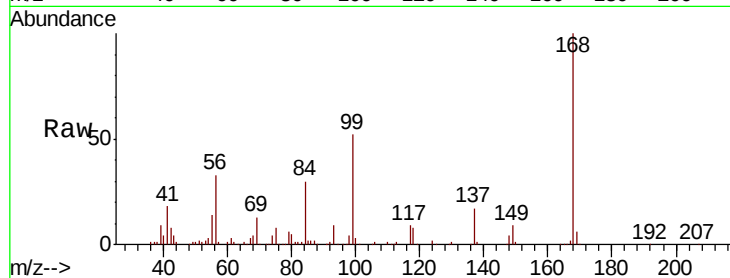
Tot Ion: 56 Resp: 155814

Ion Ratio Lower Upper

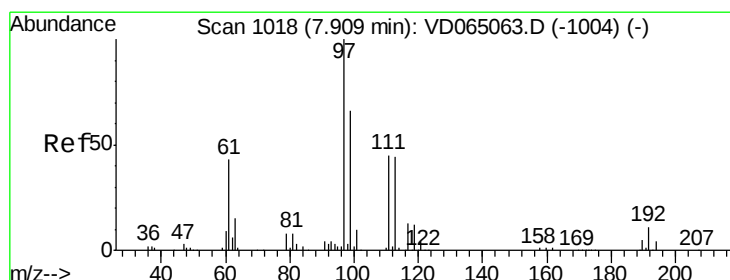
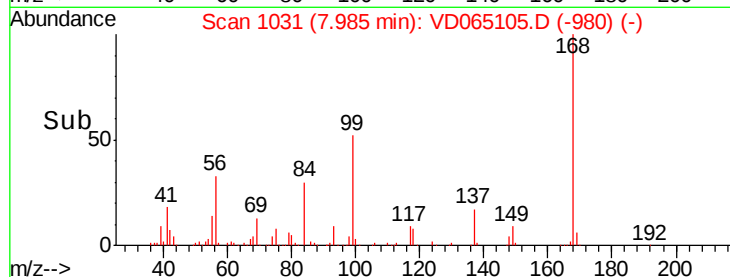
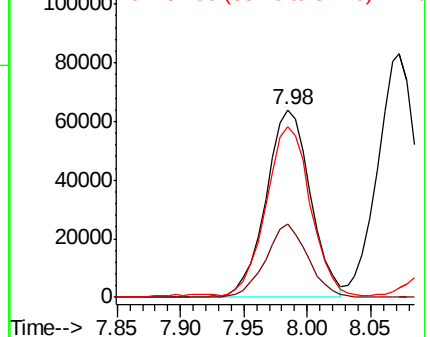
56 100

69 39.0 26.6 40.0

84 89.2 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 22.561 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

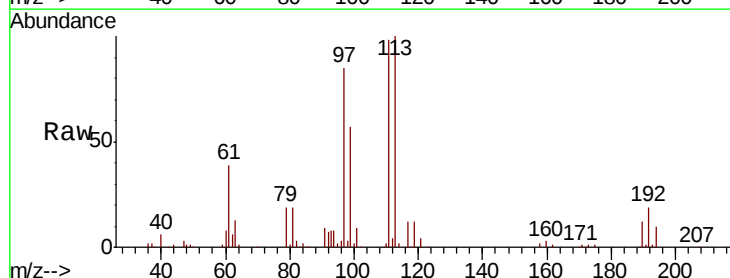
Tgt Ion: 97 Resp: 149312

Ion Ratio Lower Upper

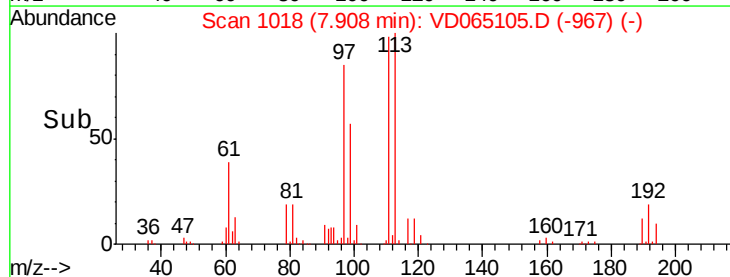
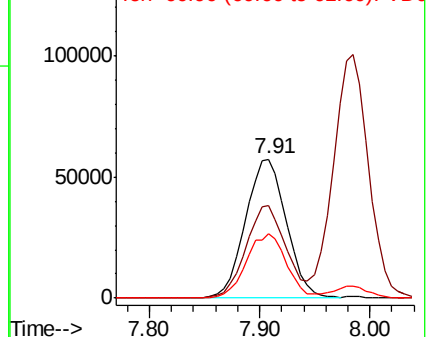
97 100

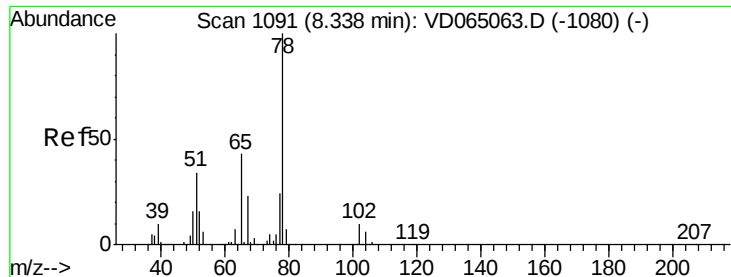
99 65.3 51.5 77.3

61 45.8 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

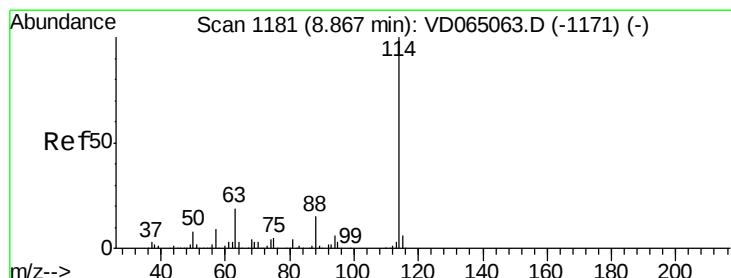
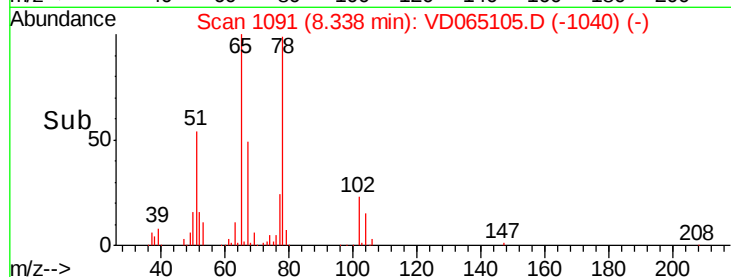
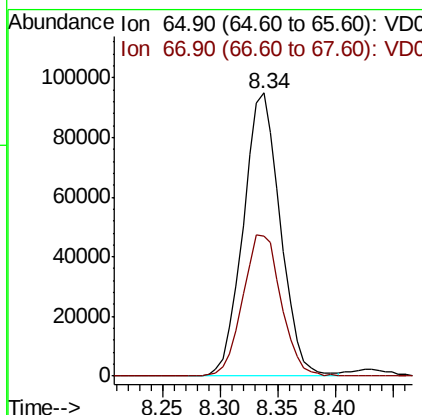
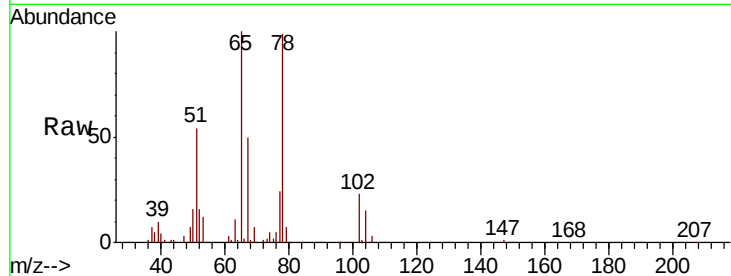




#33
 1,2-Dichloroethane-d4
 Concen: 58.622 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

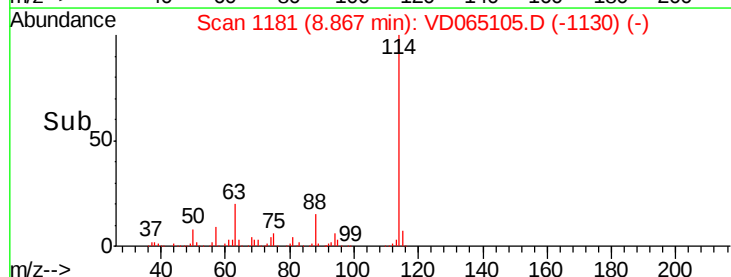
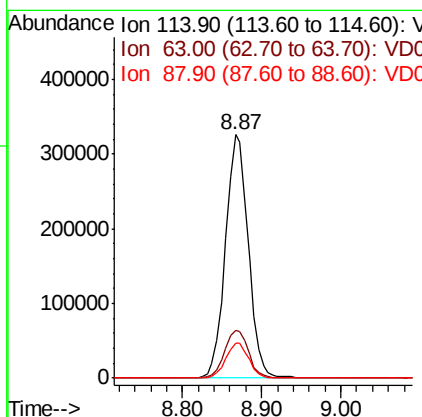
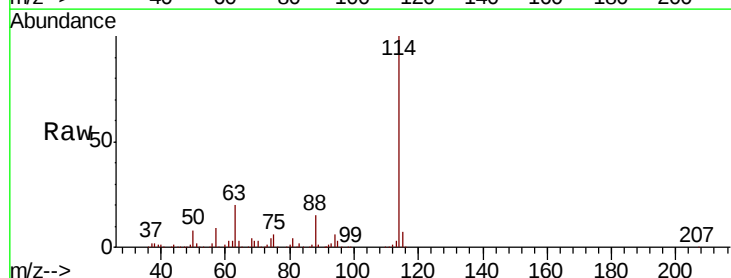
Instrument :
 MSVOA_D
 ClientSampled :

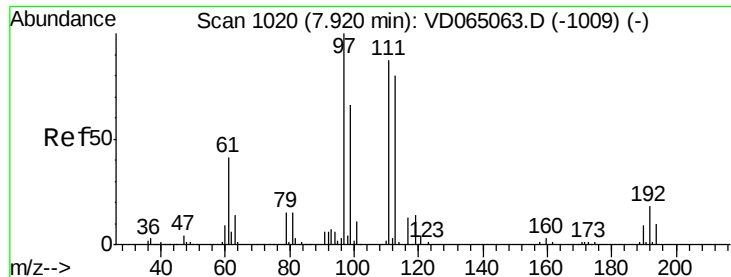
Tot Ion: 65 Resp: 212252
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion: 114 Resp: 647939
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 14.5 0.0 29.6

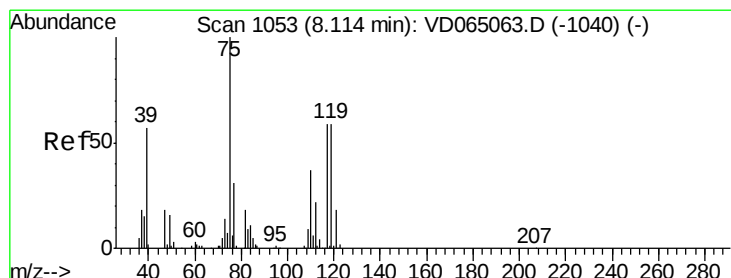
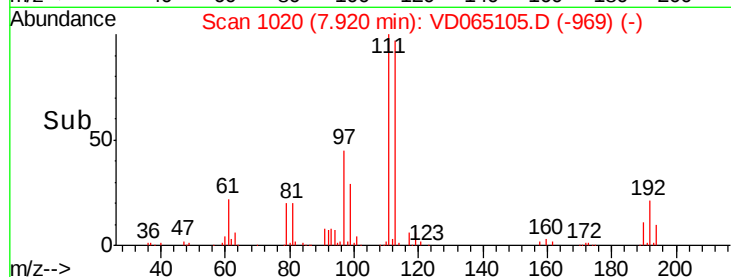
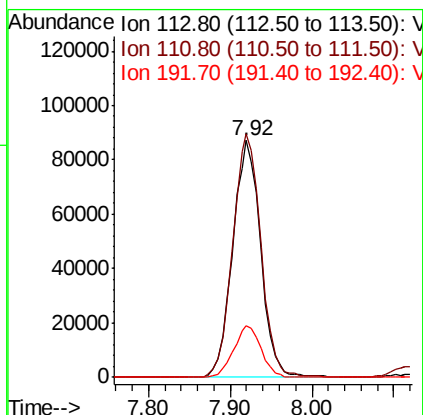
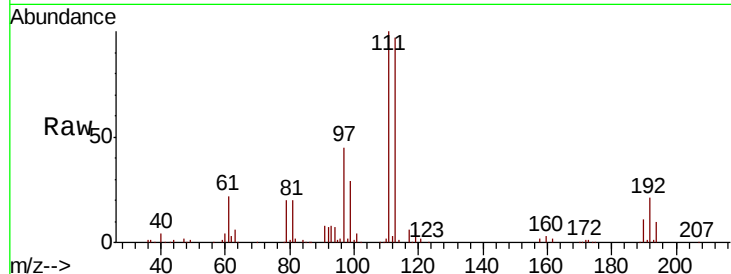




#35
 Dibromofluoromethane
 Concen: 57.093 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

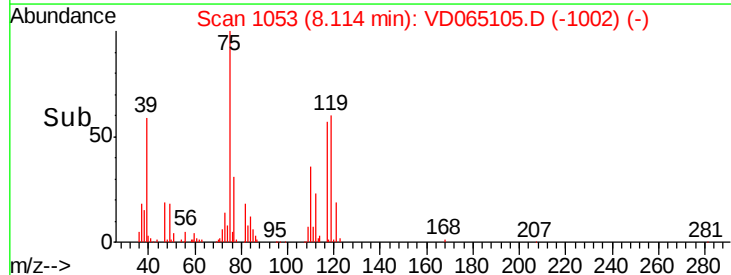
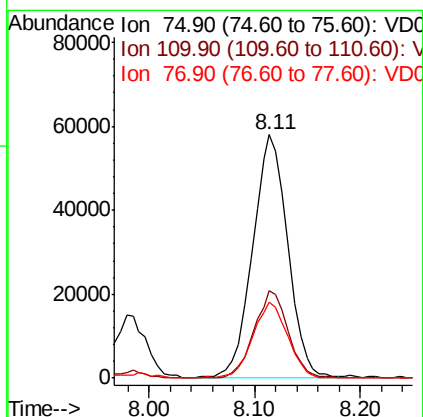
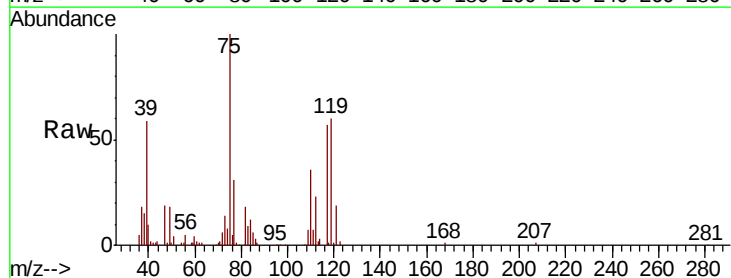
Instrument :
 MSVOA_D
 ClientSampleId :

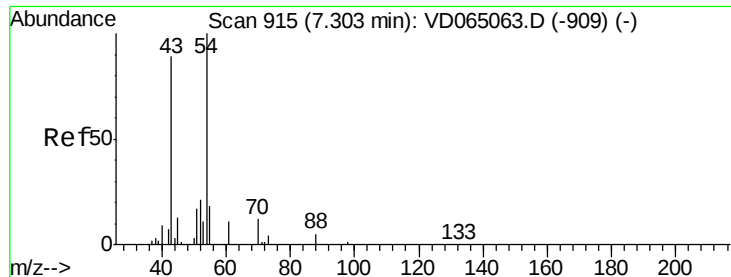
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.1	124.7
192	21.4	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 22.045 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.1	54.3
77	31.6	24.7	37.1

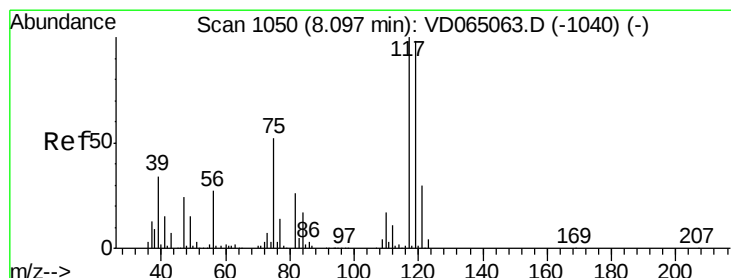
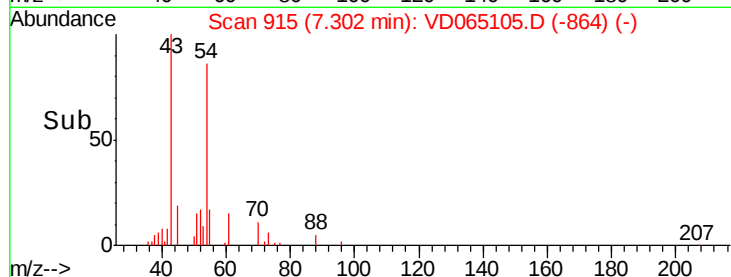
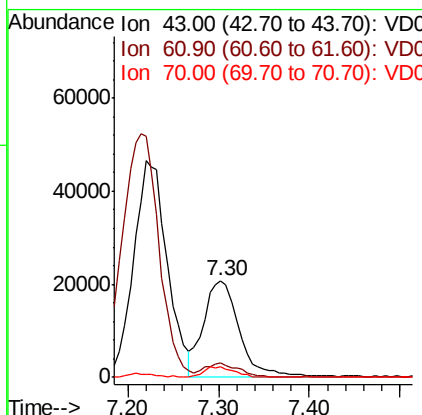
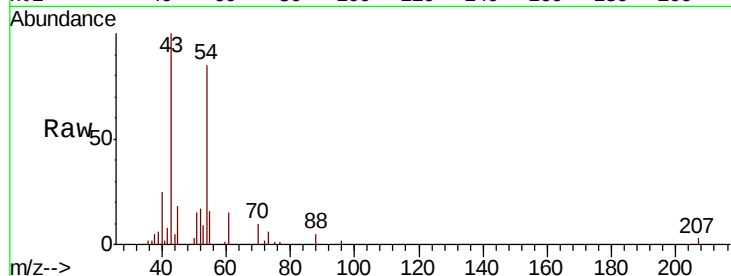




#37
Ethyl Acetate
Concen: 22.967 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

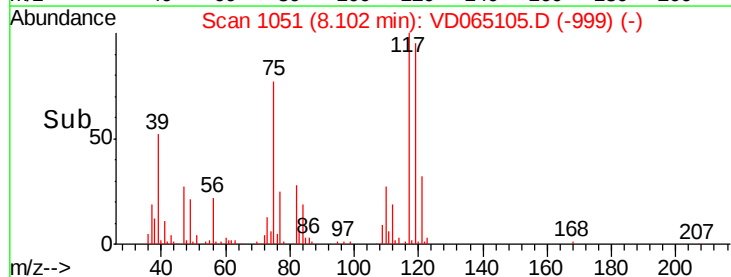
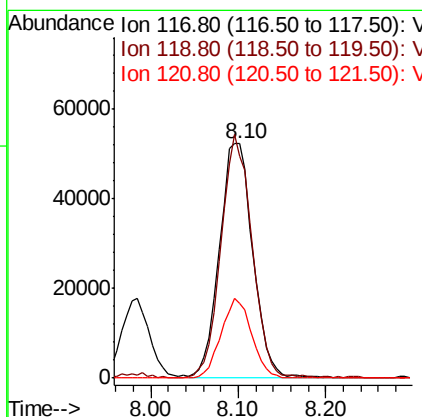
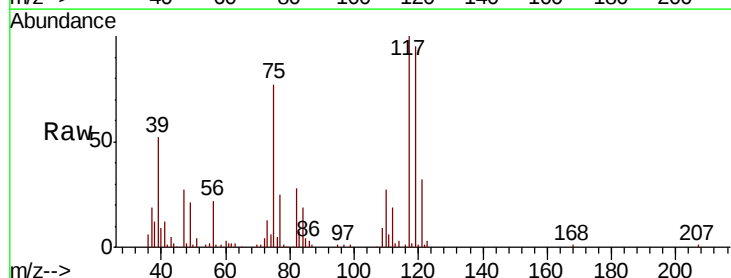
Instrument :
MSVOA_D
ClientSampleId :

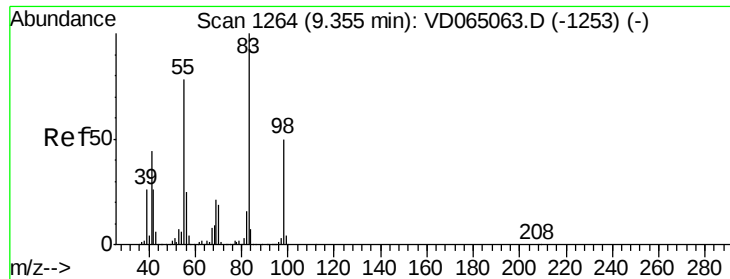
Tot Ion: 43 Resp: 56530
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 9.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.285 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 117 Resp: 137125
Ion Ratio Lower Upper
117 100
119 94.3 78.5 117.7
121 31.6 23.8 35.6

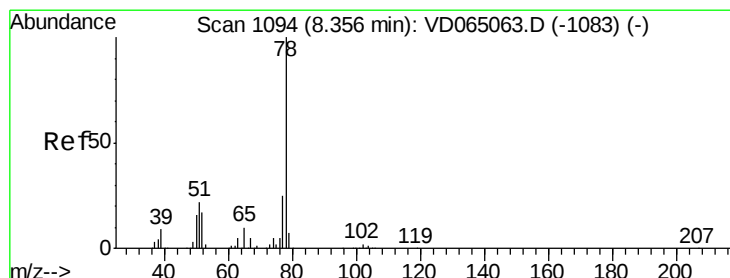
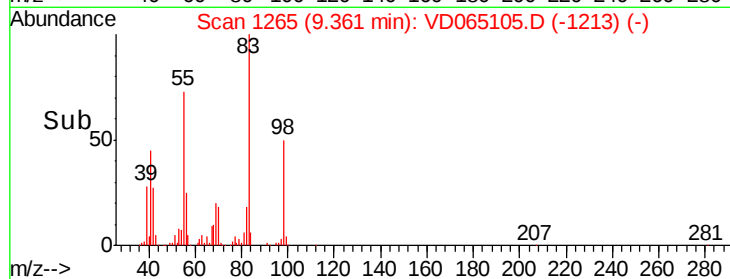
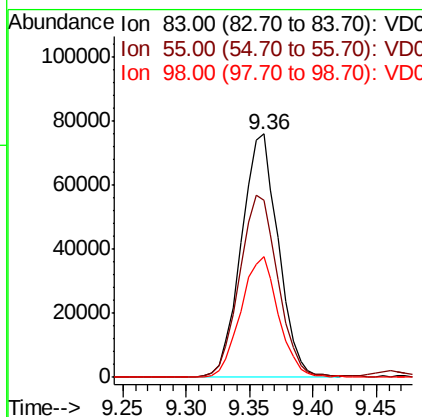
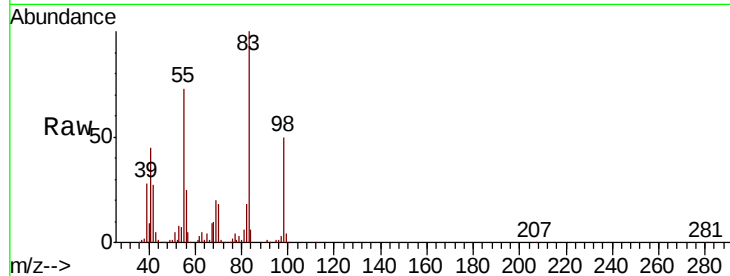




#39
Methvlcvclohexane
Concen: 20.796 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

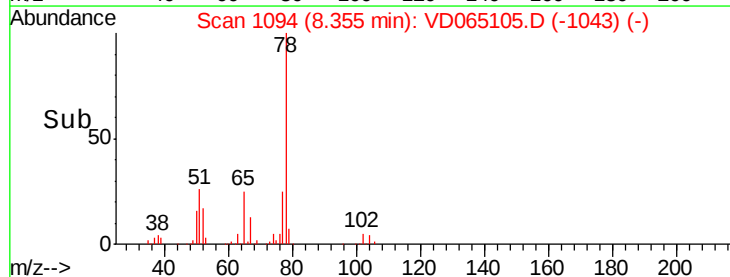
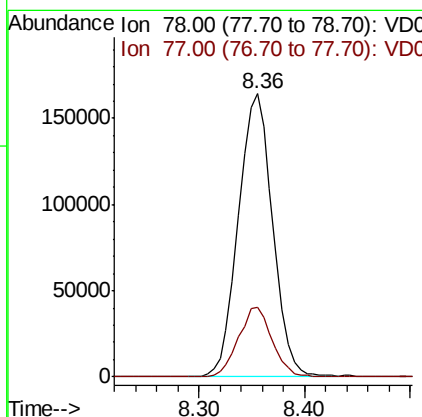
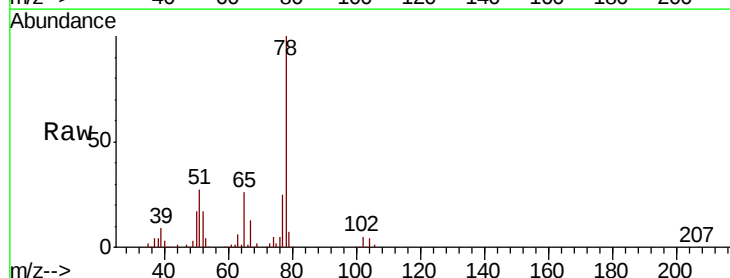
Instrument :
MSVOA_D
ClientSampled :

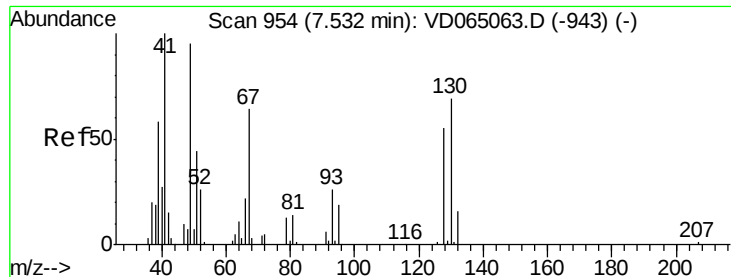
Tot Ion: 83 Resp: 154653
Ion Ratio Lower Upper
83 100
55 72.9 62.0 93.0
98 49.7 39.9 59.9



#40
Benzene
Concen: 22.231 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 78 Resp: 369867
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4

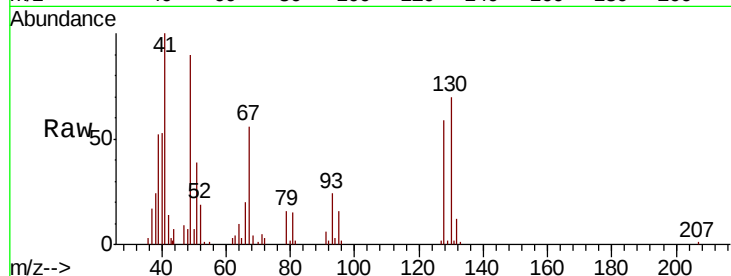




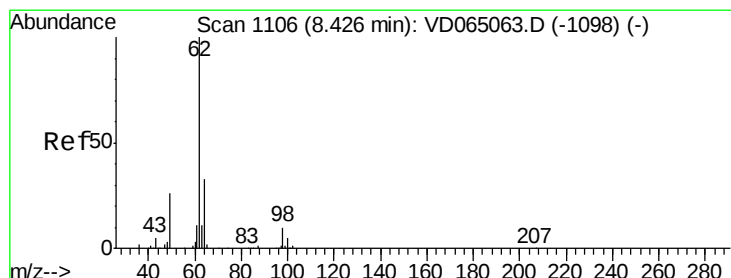
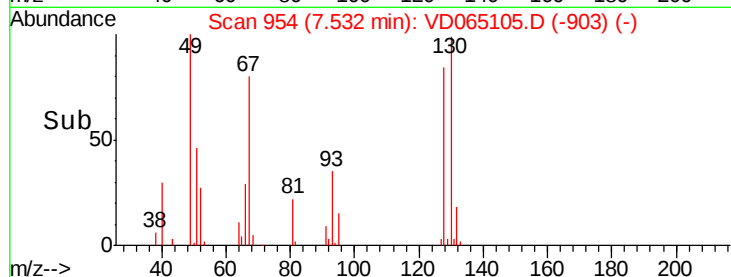
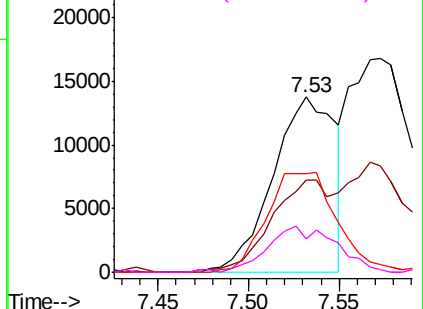
#41
Methacrylonitrile
Concen: 24.347 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	33015
Ion	Ratio	Lower	Upper
41	100		
39	47.1	55.4	83.0#
67	64.5	59.0	88.6
52	28.8	25.4	38.0

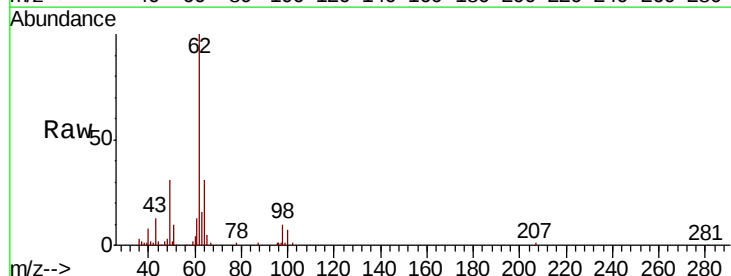


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

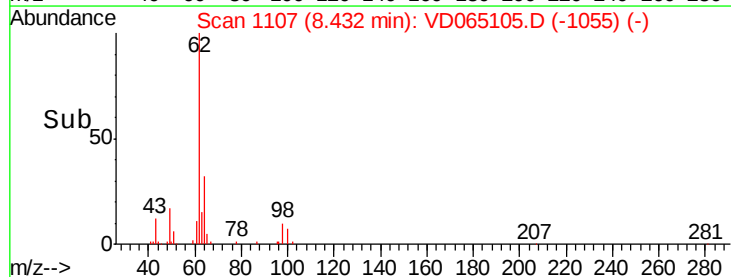
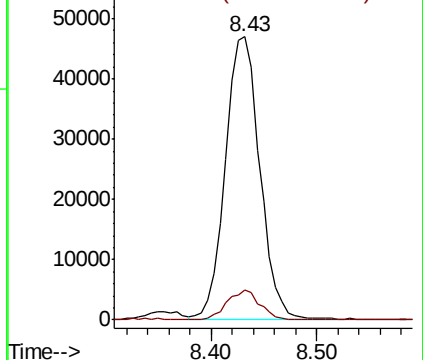


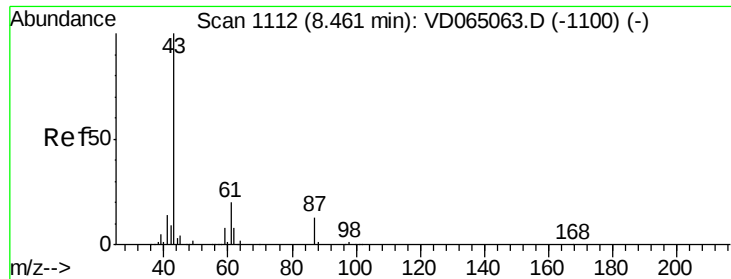
#42
1,2-Dichloroethane
Concen: 22.445 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion:	62	Resp:	106404
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



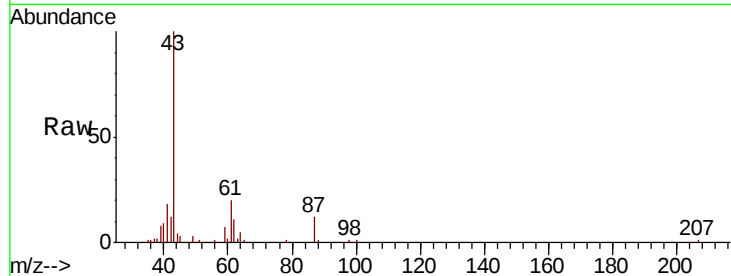


#43

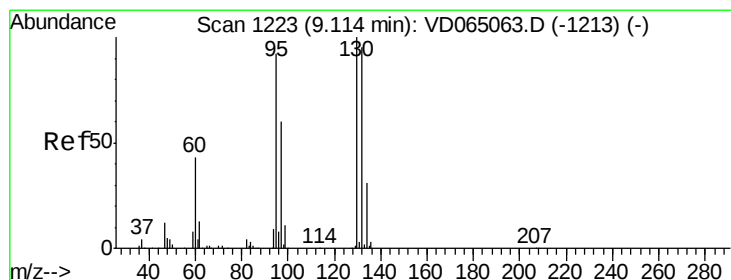
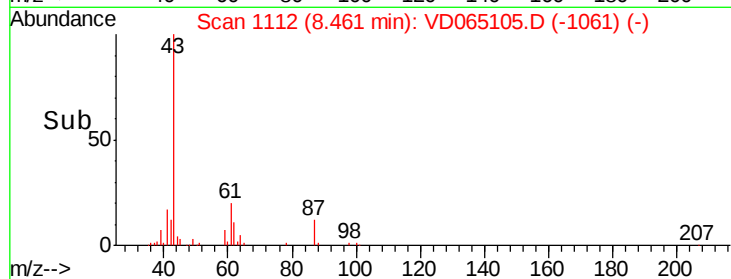
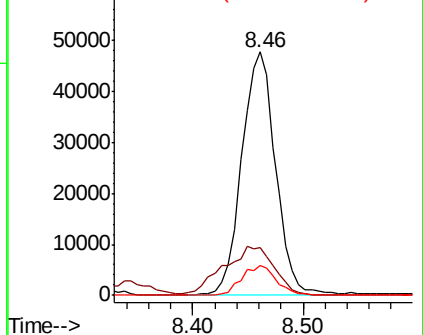
Isopropyl Acetate
 Concen: 21.874 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	102994
Ion Ratio	Lower	Upper	
43	100		
61	29.8	24.0	36.0
87	12.5	10.2	15.4



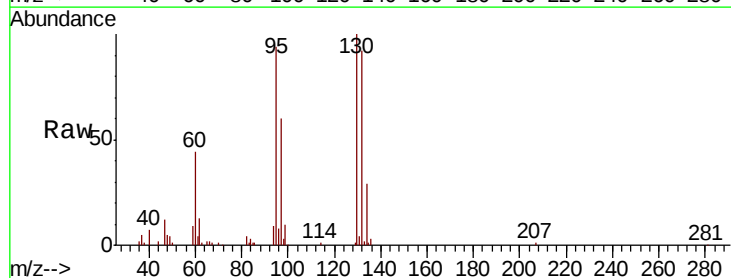
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



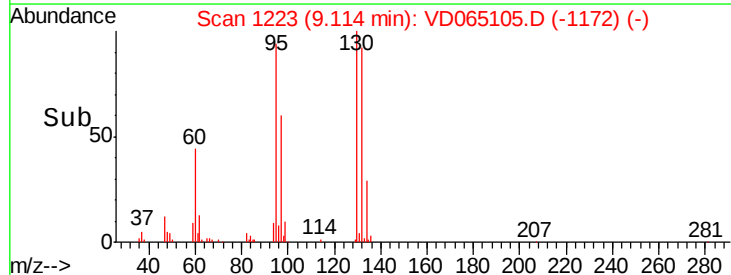
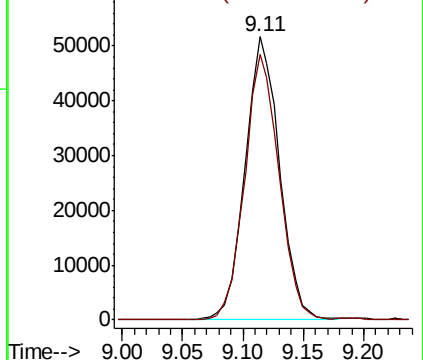
#44

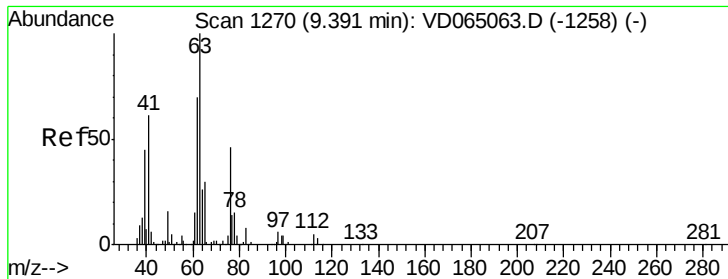
Trichloroethene
 Concen: 21.487 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	130	Resp	102611
Ion Ratio	Lower	Upper	
130	100		
95	93.8	0.0	185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.618 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

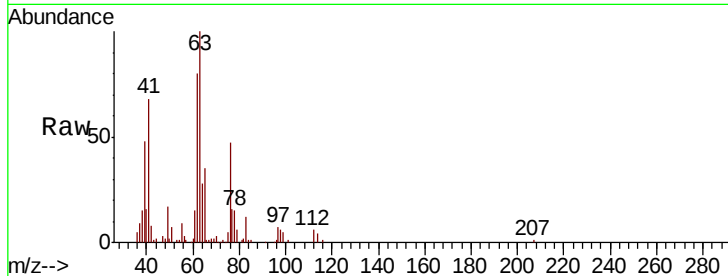
ClientSampleId :

Tot Ion: 63 Resp: 90223

Ion Ratio Lower Upper

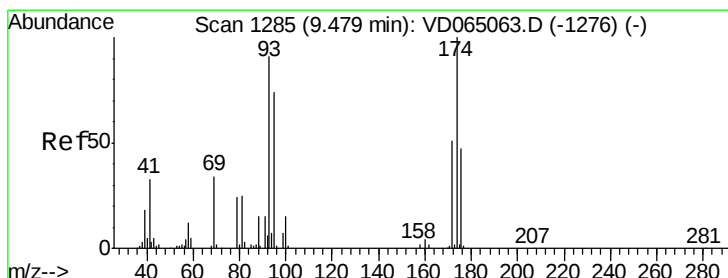
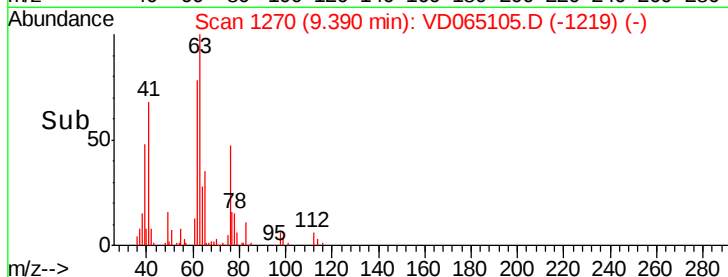
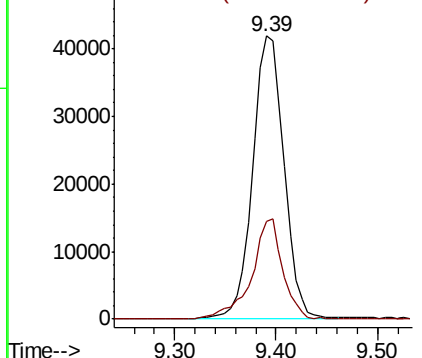
63 100

65 34.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 22.953 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

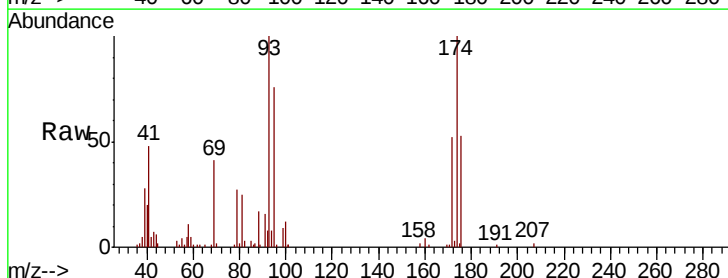
Tgt Ion: 93 Resp: 48112

Ion Ratio Lower Upper

93 100

95 81.7 66.5 99.7

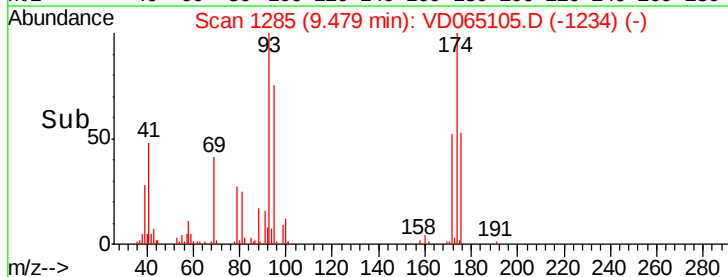
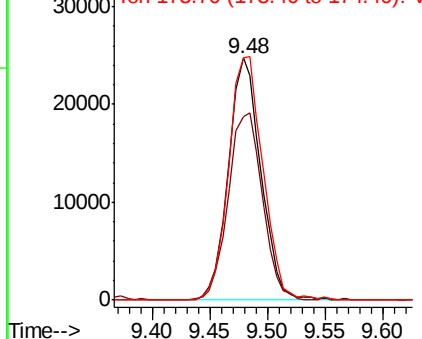
174 106.5 89.8 134.8

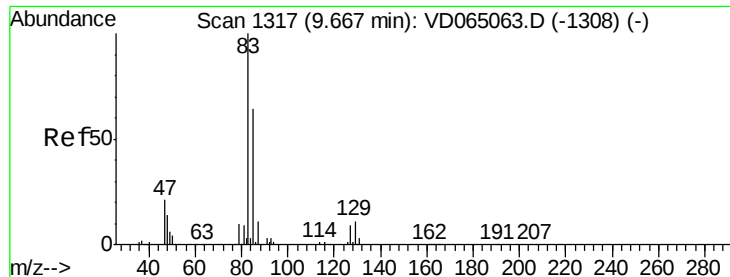


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 23.310 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

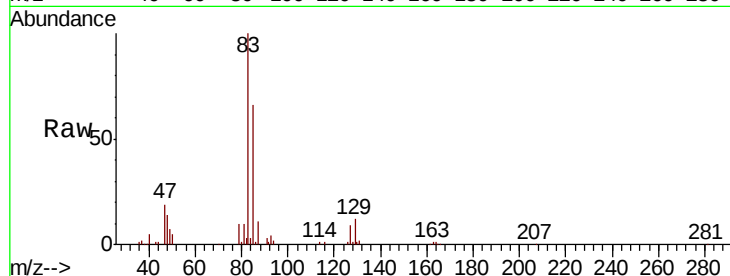
Tot Ion: 83 Resp: 128742

Ion Ratio Lower Upper

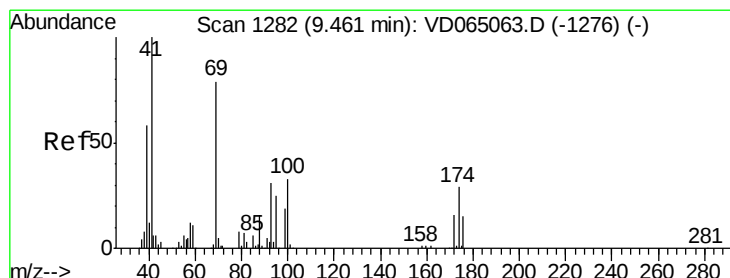
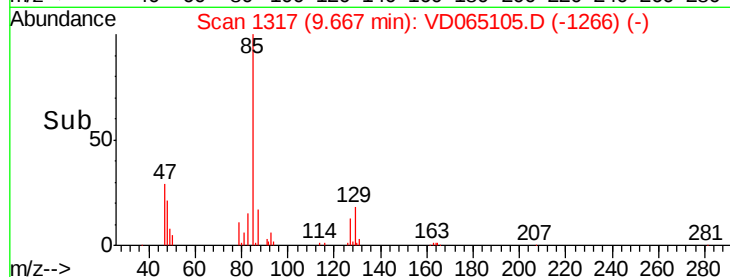
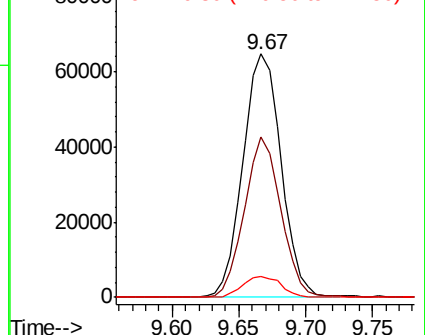
83 100

85 65.7 51.0 76.6

127 8.8 7.3 10.9



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



#48

Methyl methacrylate

Concen: 21.510 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

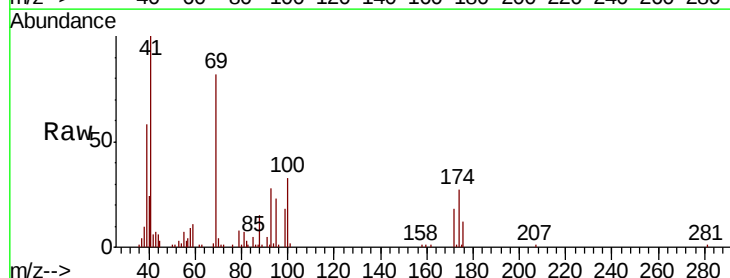
Tgt Ion: 41 Resp: 48734

Ion Ratio Lower Upper

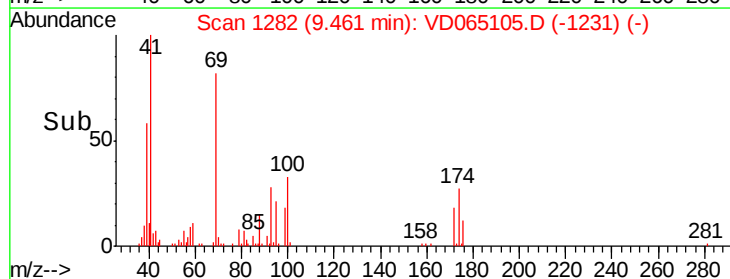
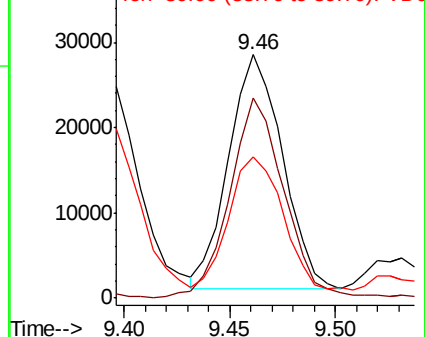
41 100

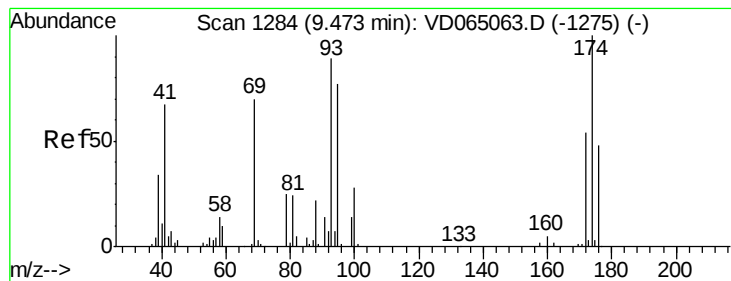
69 86.0 67.5 101.3

39 58.5 47.0 70.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 449.829 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampled :

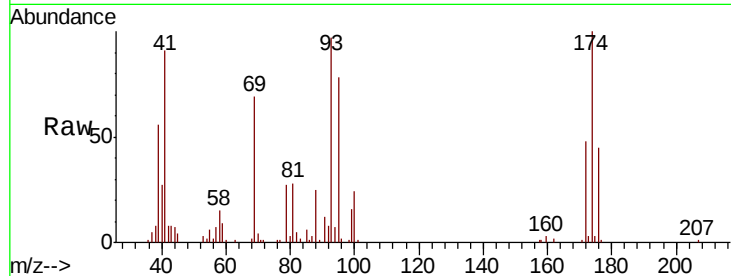
Tot Ion: 88 Resp: 11168

Ion Ratio Lower Upper

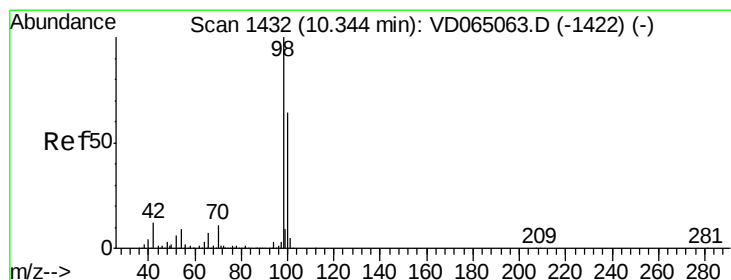
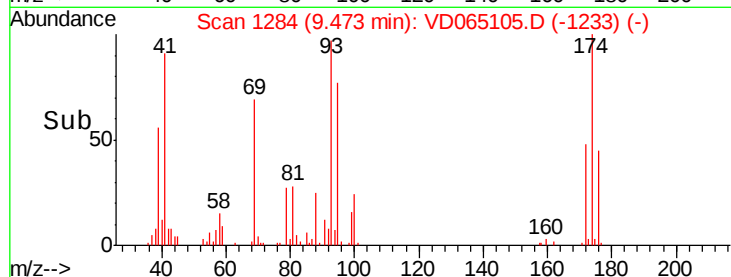
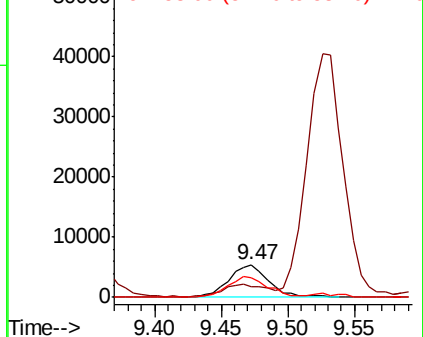
88 100

43 45.9 27.7 41.5#

58 66.4 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 57.444 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065105.D

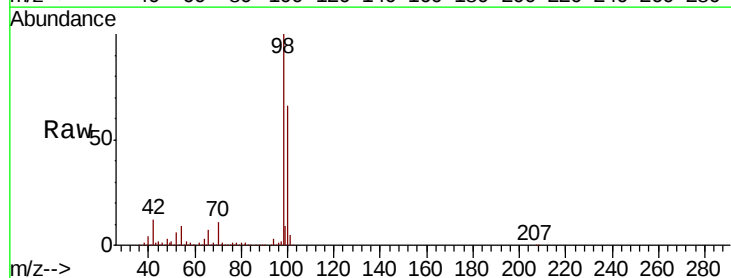
Acq: 07 Feb 2020 12:57

Tgt Ion: 98 Resp: 826569

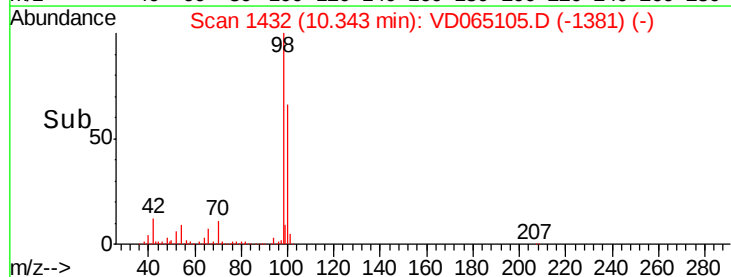
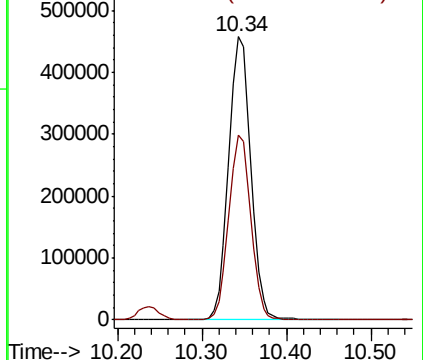
Ion Ratio Lower Upper

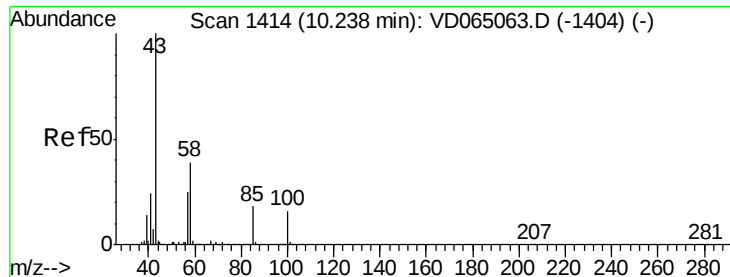
98 100

100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 111.262 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

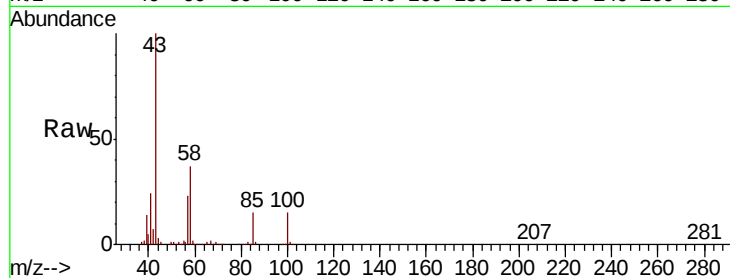
ClientSampled :

Tot Ion: 43 Resp: 257856

Ion Ratio Lower Upper

43 100

58 37.1 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

150000

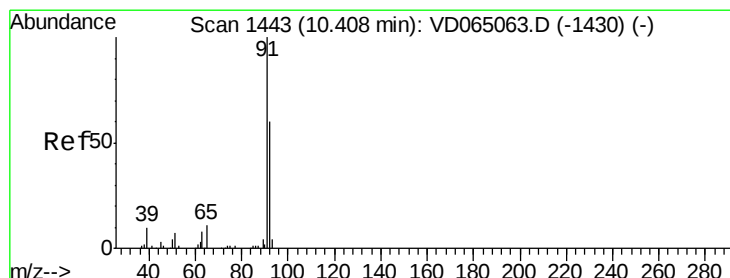
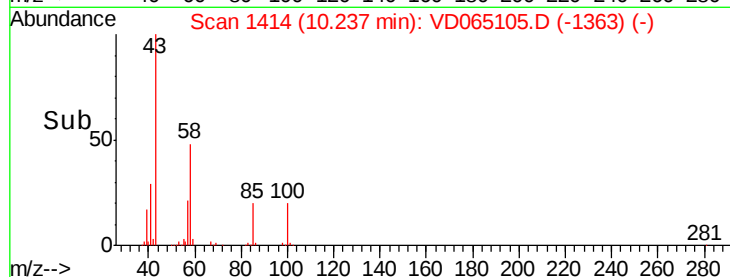
100000

50000

0

10.20 10.30

Time-->



#52

Toluene

Concen: 22.233 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065105.D

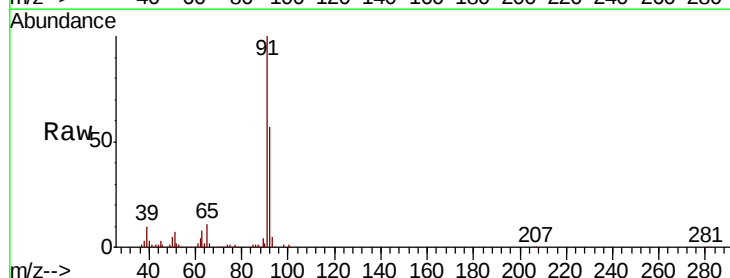
Acq: 07 Feb 2020 12:57

Tgt Ion: 92 Resp: 236091

Ion Ratio Lower Upper

92 100

91 174.8 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

250000

200000

150000

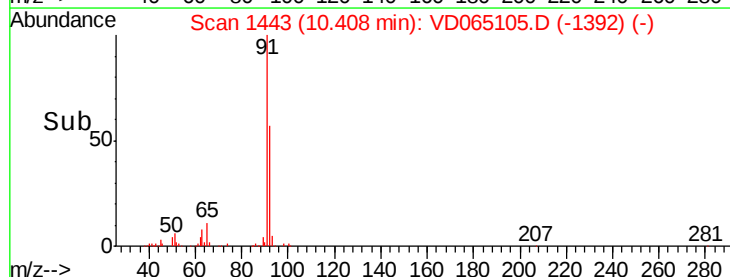
100000

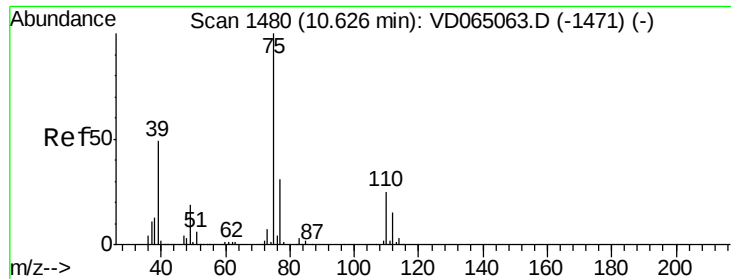
50000

0

10.30 10.40 10.50

Time-->

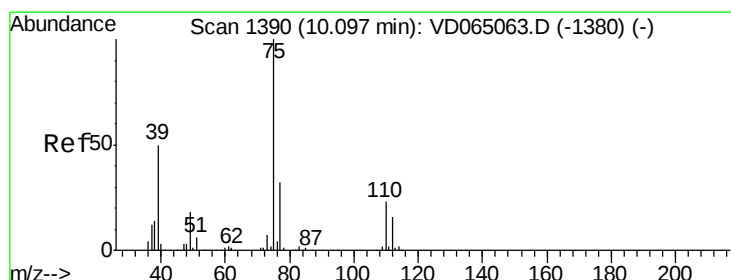
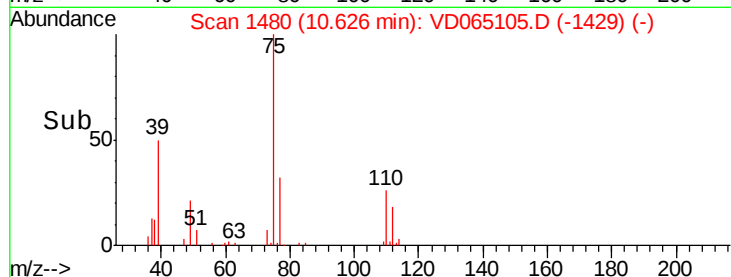
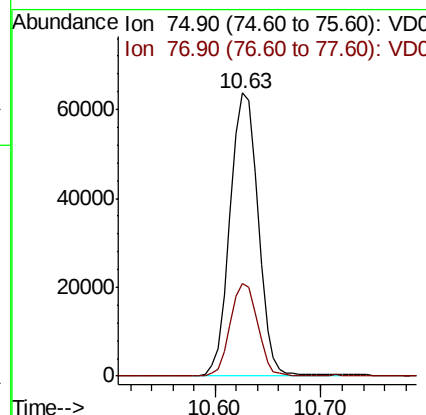
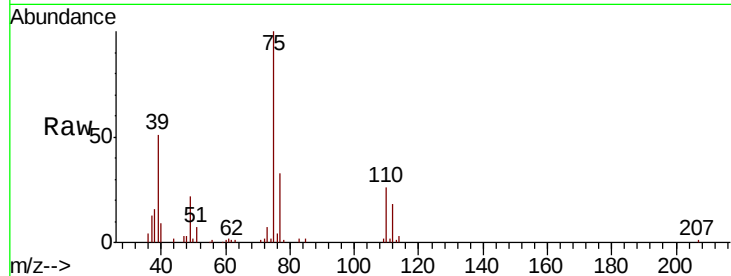




#53
t-1,3-Dichloropropene
Concen: 21.976 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

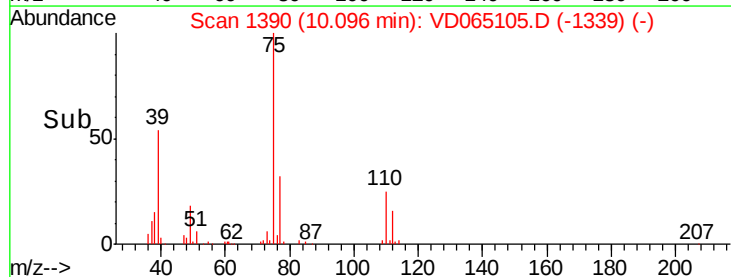
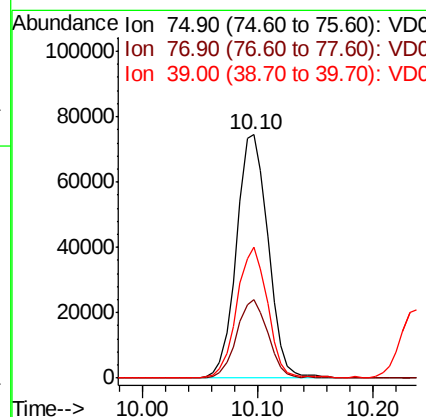
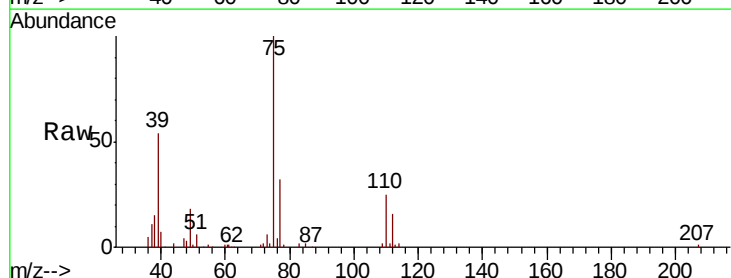
Instrument :
MSVOA_D
ClientSampleId :

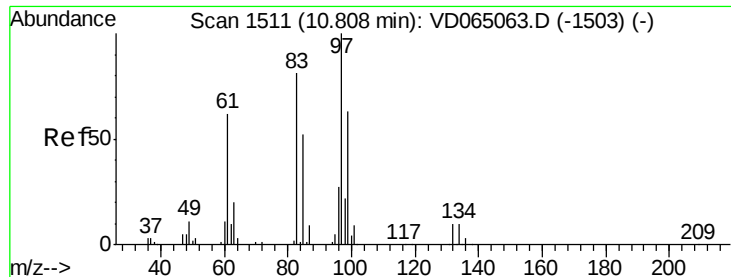
Tot Ion: 75 Resp: 118177
Ion Ratio Lower Upper
75 100
77 32.5 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 21.998 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 75 Resp: 141479
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 53.8 40.3 60.5

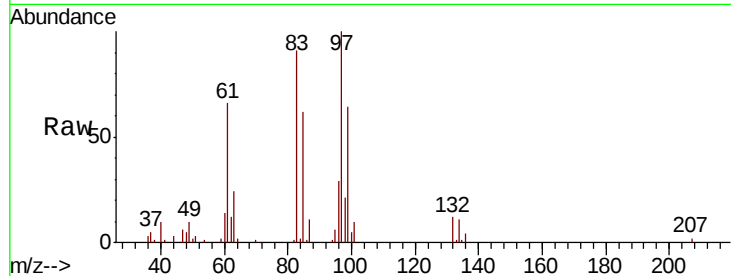




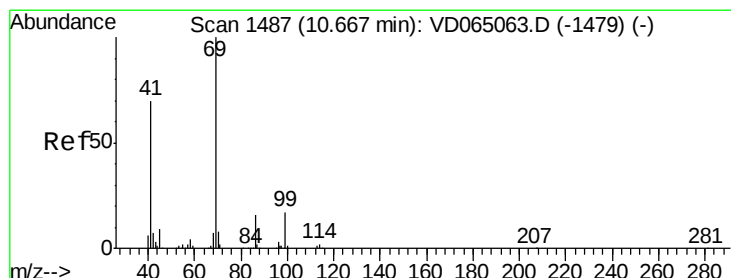
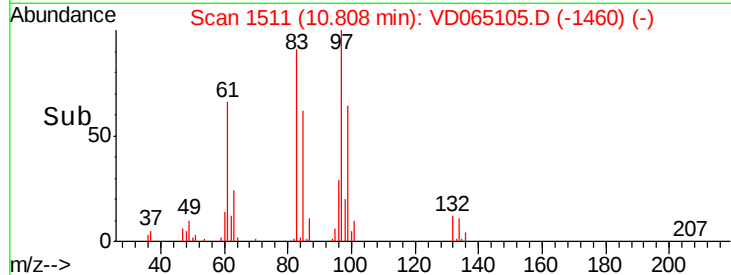
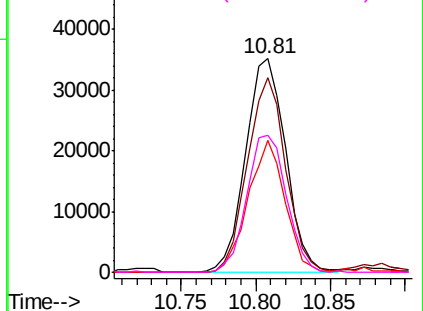
#55
 1,1,2-Trichloroethane
 Concen: 22.685 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	97	Resp:	65224
Ion	Ratio	Lower	Upper
97	100		
83	90.8	64.8	97.2
85	61.5	41.2	61.8
99	64.4	50.3	75.5

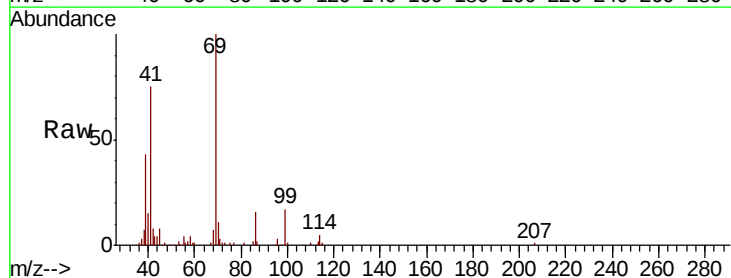


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

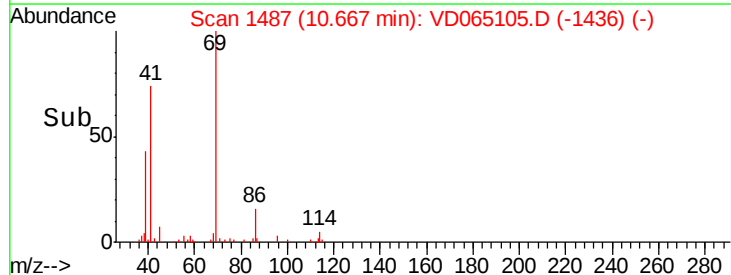
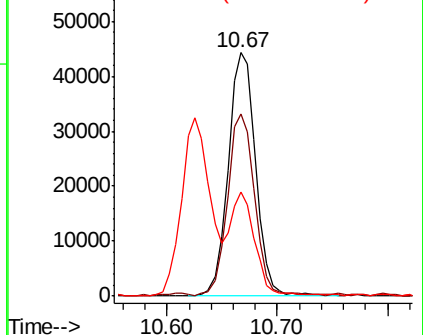


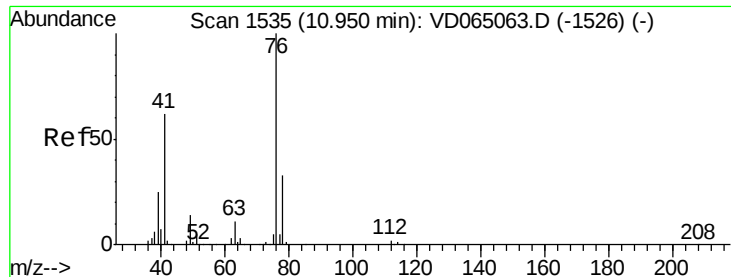
#56
 Ethyl methacrylate
 Concen: 21.221 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion:	69	Resp:	77200
Ion	Ratio	Lower	Upper
69	100		
41	74.6	55.9	83.9
39	38.4	29.4	44.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.678 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

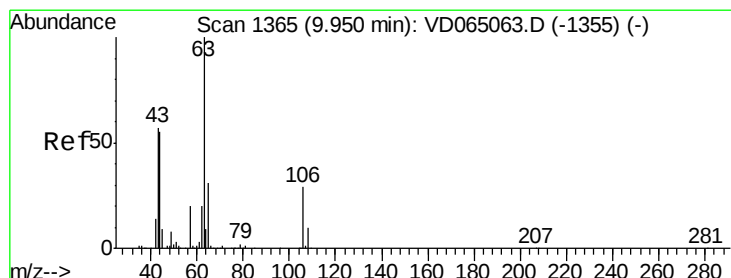
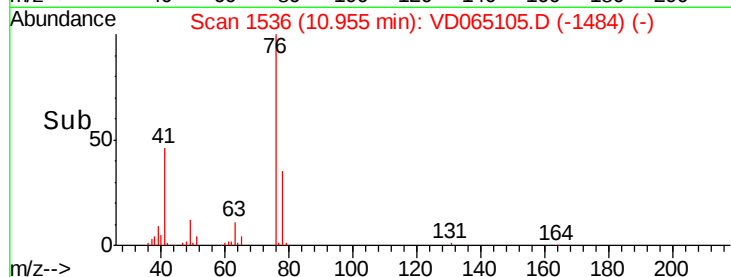
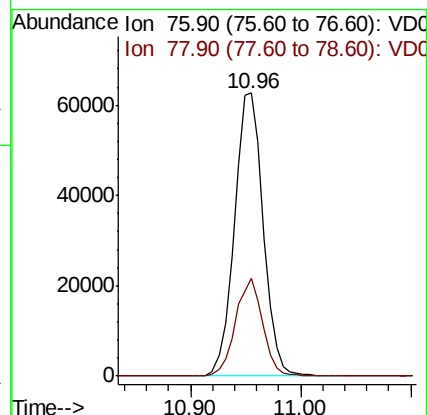
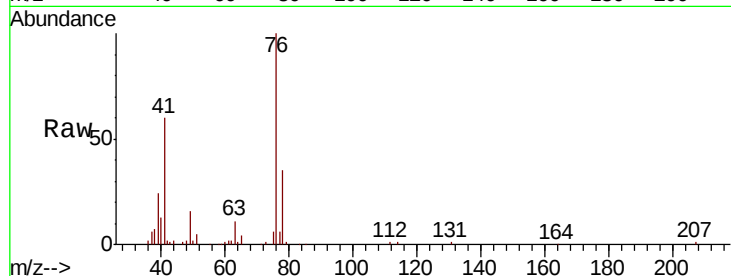
ClientSampleId :

Tot Ion: 76 Resp: 114656

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 90.129 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065105.D

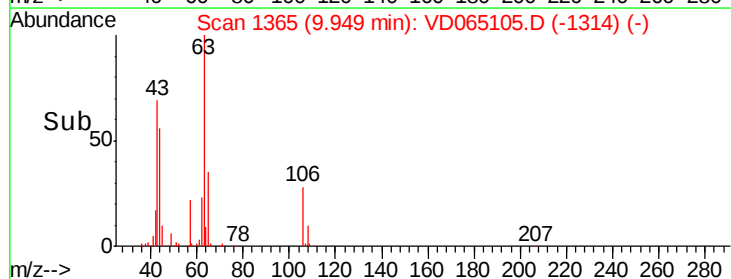
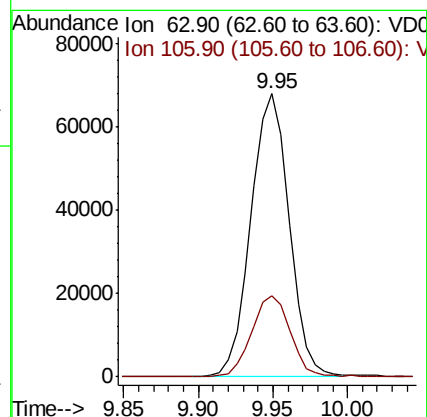
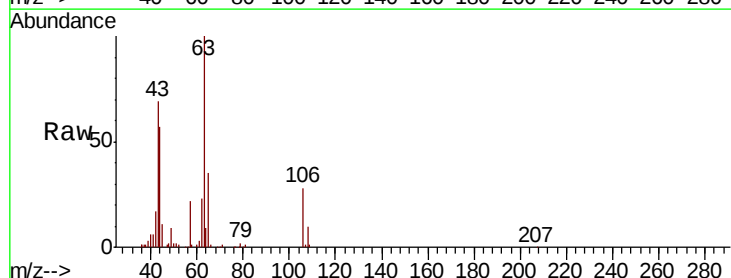
Acq: 07 Feb 2020 12:57

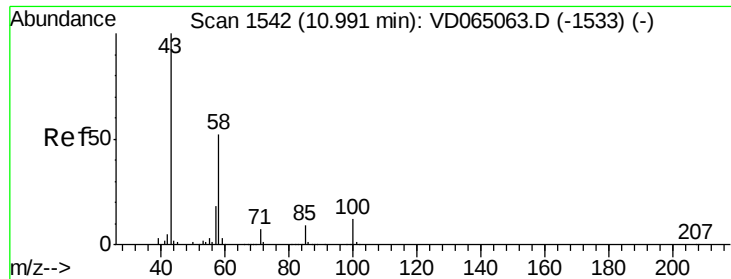
Tgt Ion: 63 Resp: 120223

Ion Ratio Lower Upper

63 100

106 29.2 23.3 34.9

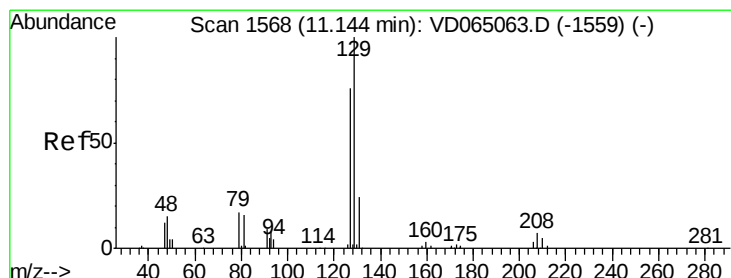
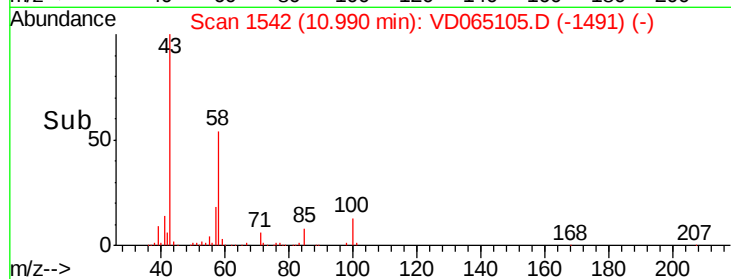
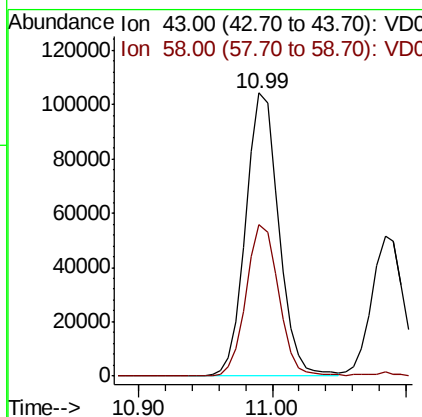
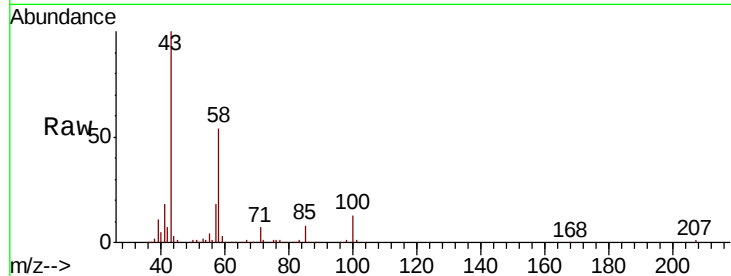




#59
2-Hexanone
Concen: 108.928 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

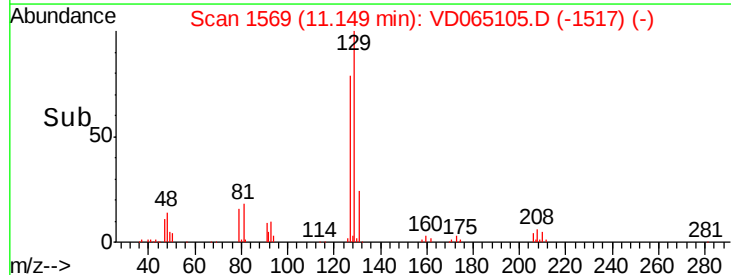
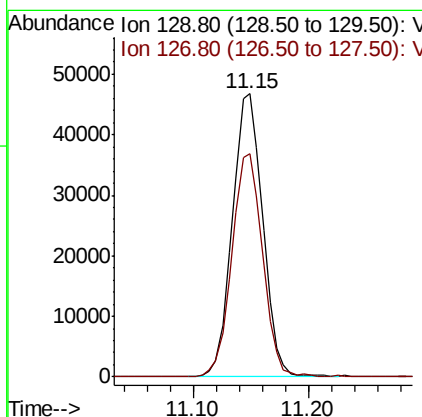
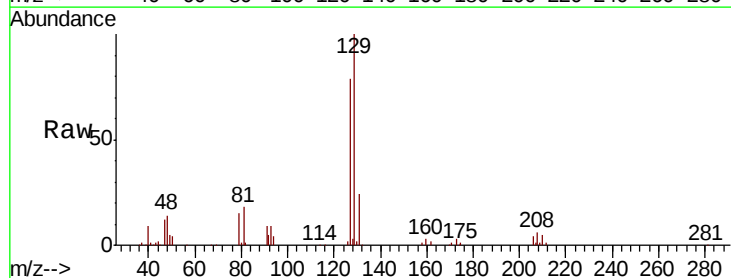
Instrument :
MSVOA_D
ClientSampled :

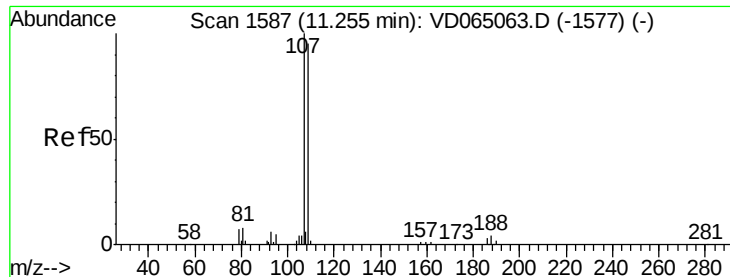
Tot Ion: 43 Resp: 178814
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.6



#60
Dibromochloromethane
Concen: 22.928 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 129 Resp: 85386
Ion Ratio Lower Upper
129 100
127 79.3 38.3 114.9

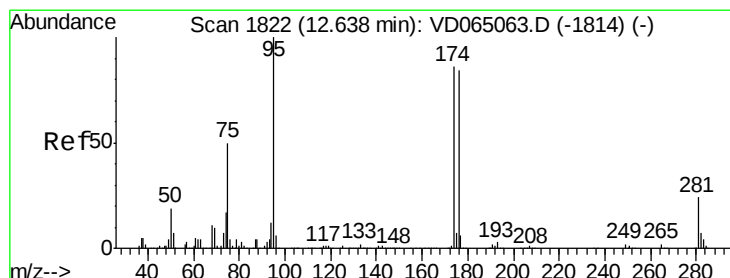
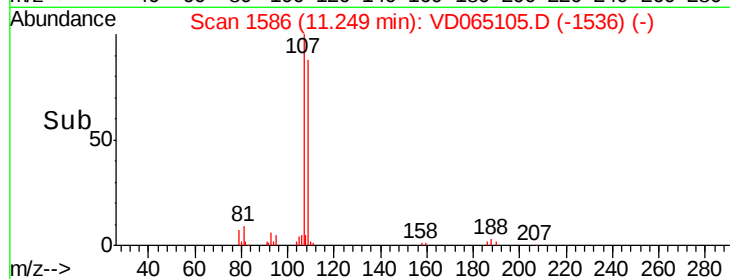
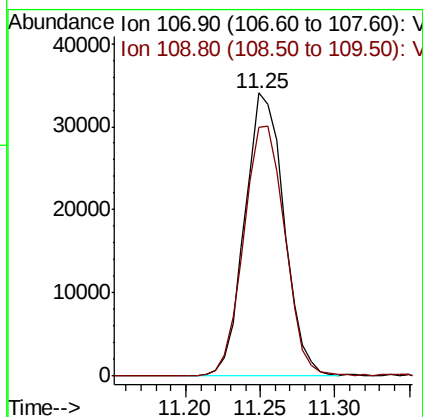
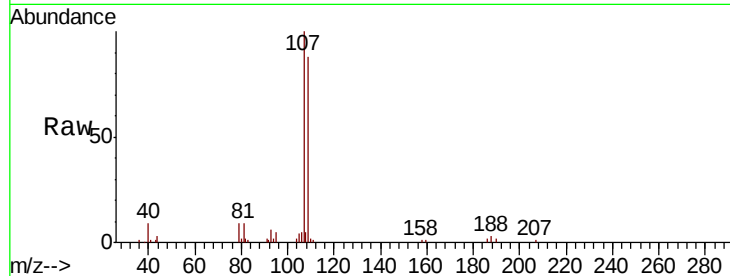




#61
 1,2-Dibromoethane
 Concen: 22.088 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

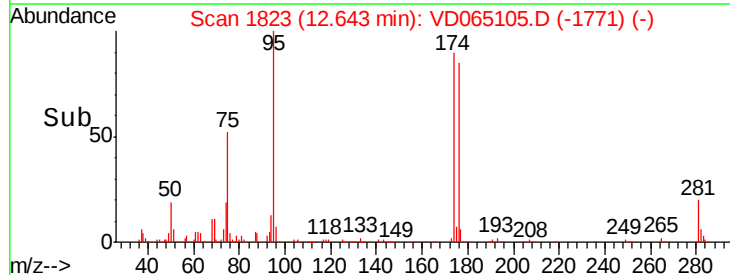
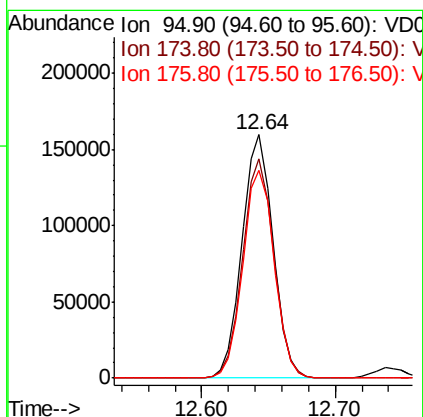
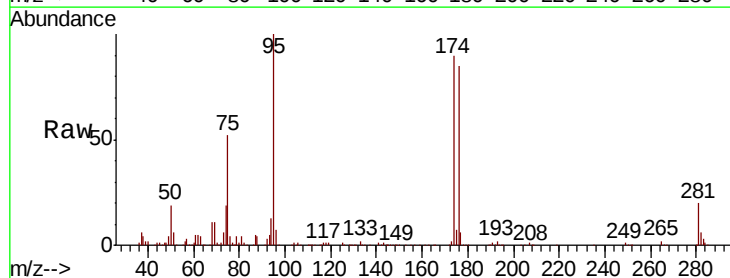
Instrument :
 MSVOA_D
 ClientSampleId :

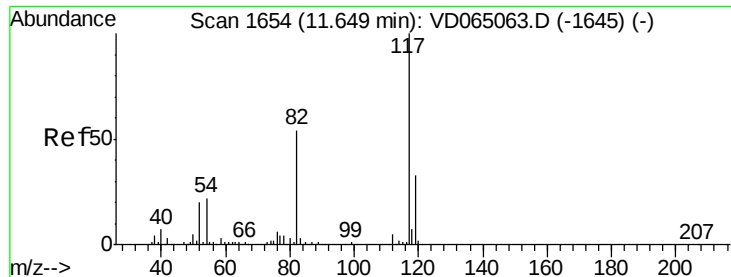
Tot Ion: 107 Resp: 62052
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 56.130 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion: 95 Resp: 255919
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 180.0
 176 86.5 0.0 173.2

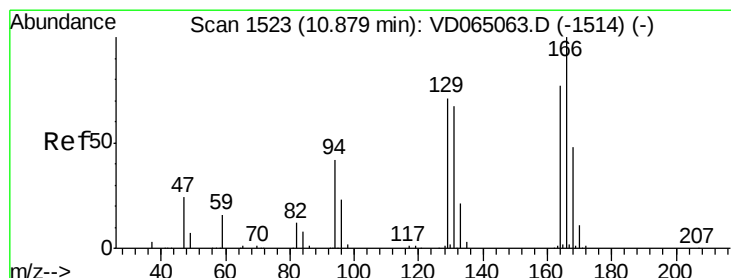
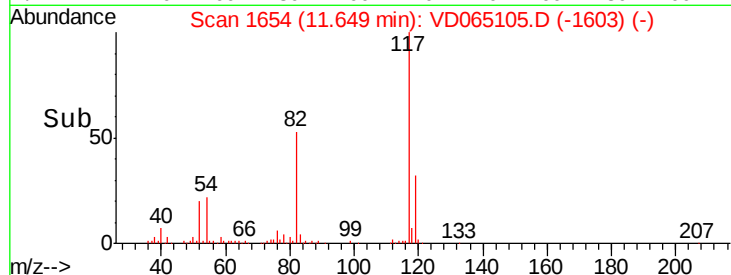
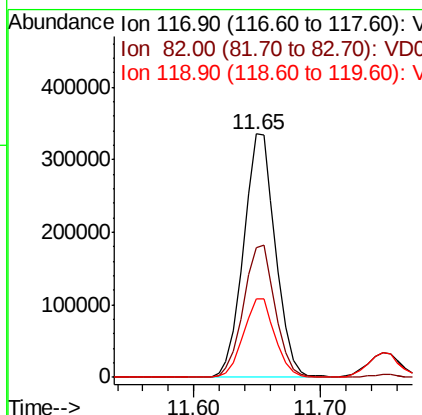
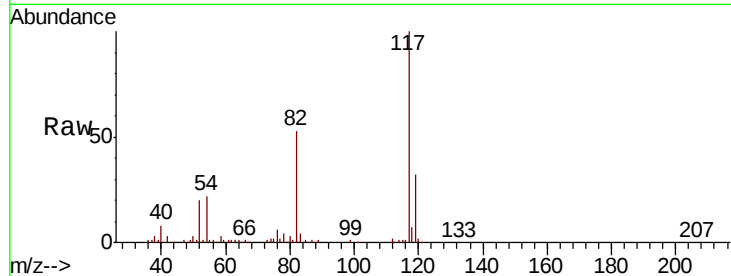




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

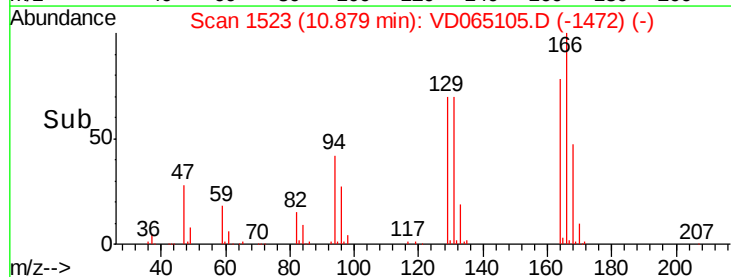
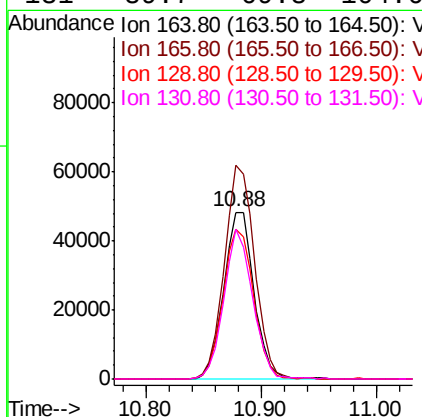
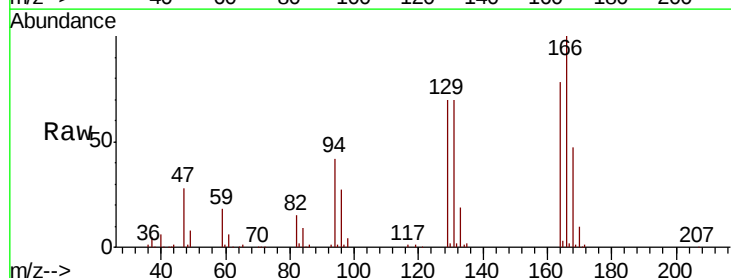
Instrument :
MSVOA_D
ClientSampled :

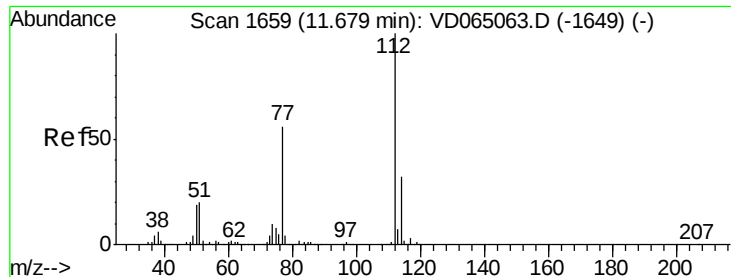
Tot Ion:117 Resp: 585764
Ion Ratio Lower Upper
117 100
82 53.3 43.1 64.7
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 20.863 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion:164 Resp: 87813
Ion Ratio Lower Upper
164 100
166 128.0 103.5 155.3
129 89.6 73.3 109.9
131 89.7 69.8 104.6

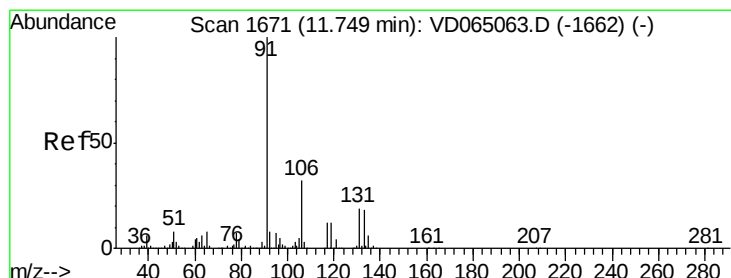
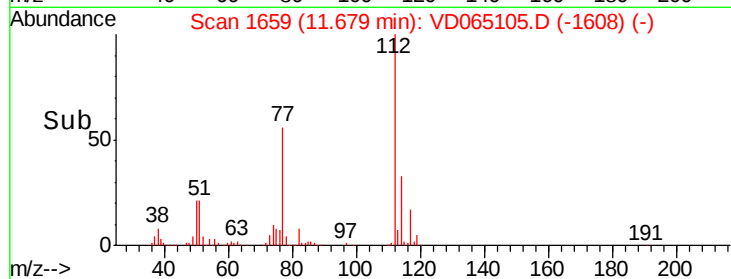
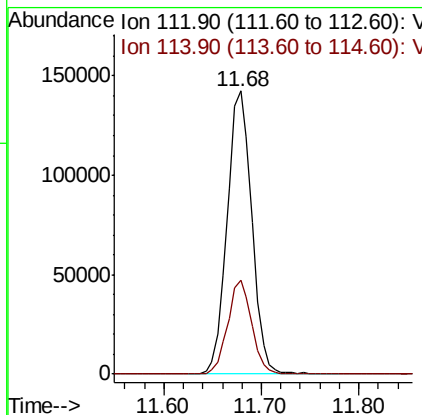
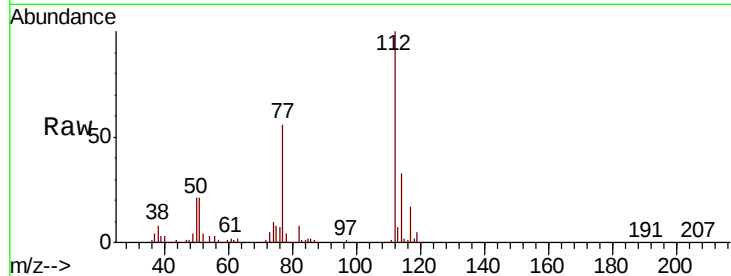




#65
Chlorobenzene
Concen: 22.042 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

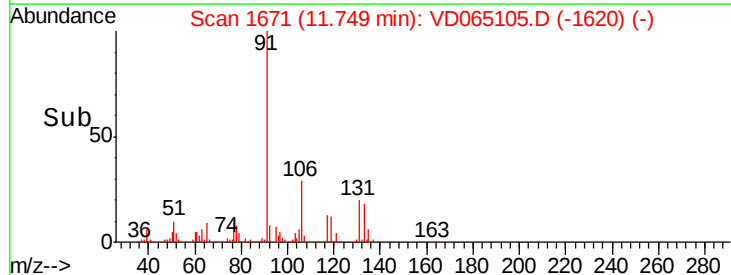
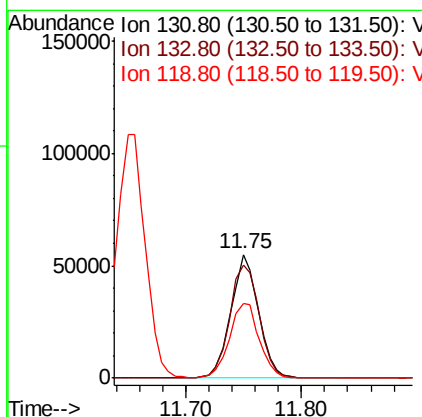
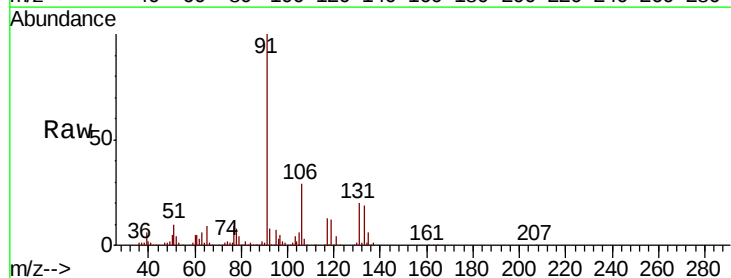
Instrument :
MSVOA_D
ClientSampleId :

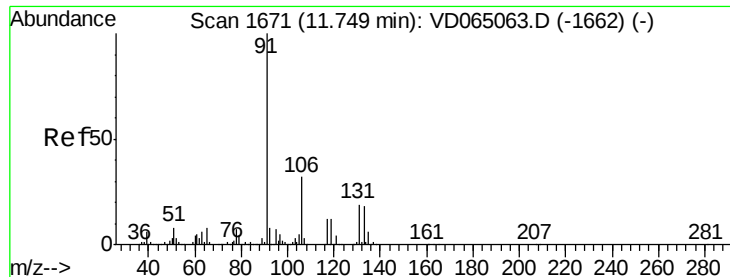
Tot Ion:112 Resp: 249728
Ion Ratio Lower Upper
112 100
114 33.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.725 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion:131 Resp: 90843
Ion Ratio Lower Upper
131 100
133 98.4 47.7 143.1
119 65.8 31.3 93.8





#67

Ethyl Benzene

Concen: 21.582 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

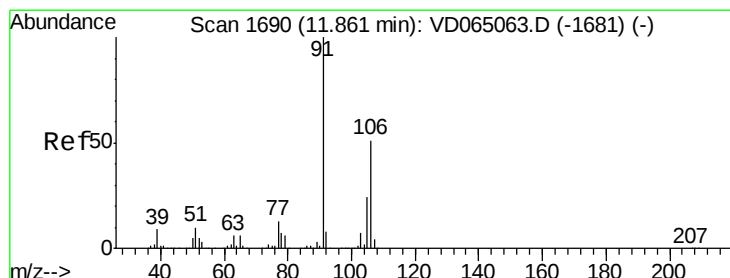
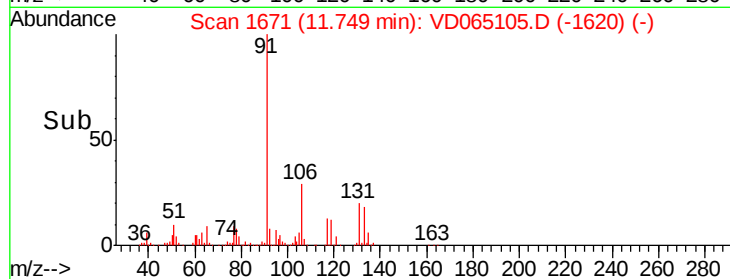
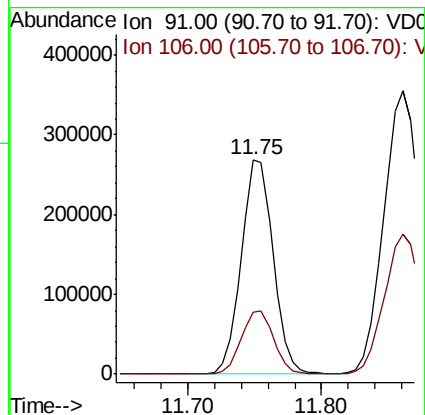
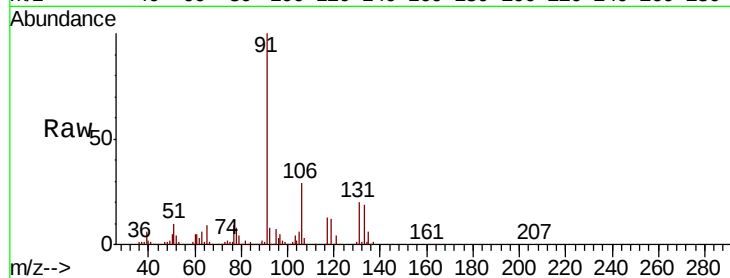
ClientSampled :

Tot Ion: 91 Resp: 444237

Ion Ratio Lower Upper

91 100

106 28.7 25.4 38.2



#68

m/p-Xylenes

Concen: 42.824 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065105.D

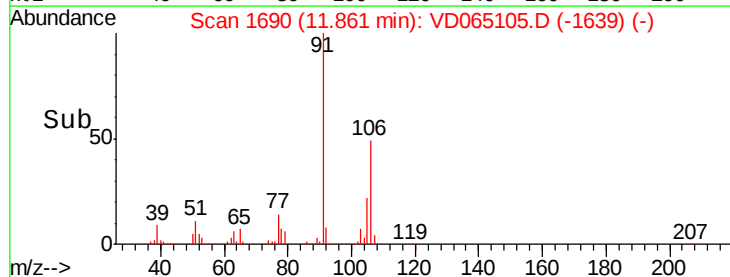
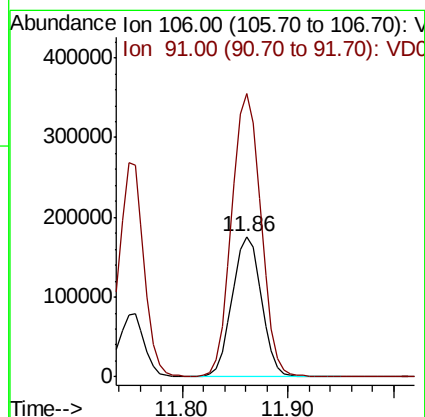
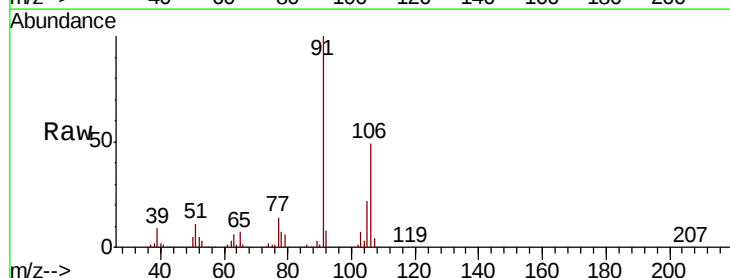
Acq: 07 Feb 2020 12:57

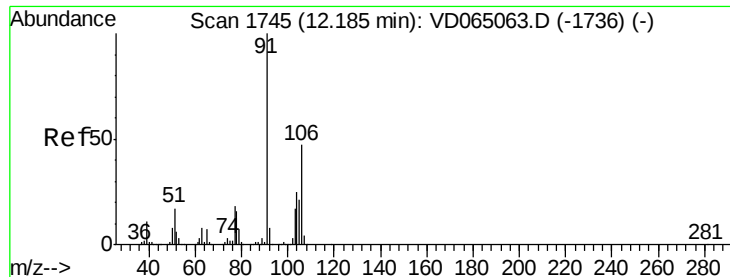
Tgt Ion: 106 Resp: 336438

Ion Ratio Lower Upper

106 100

91 202.0 158.9 238.3

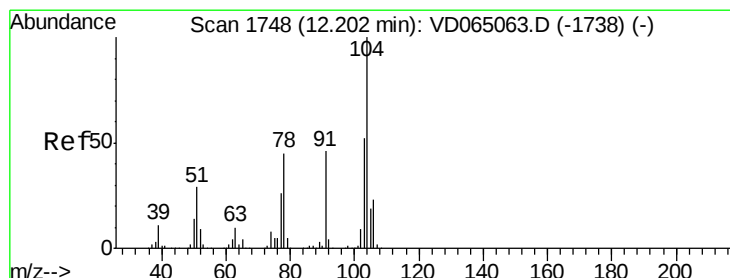
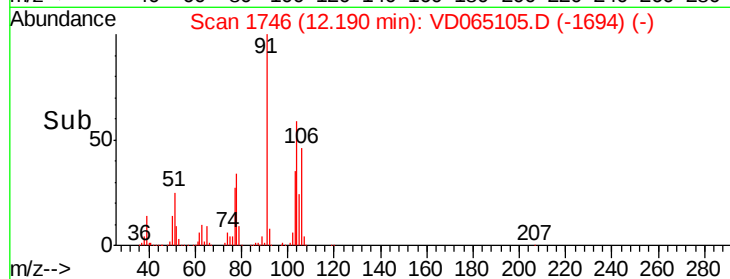
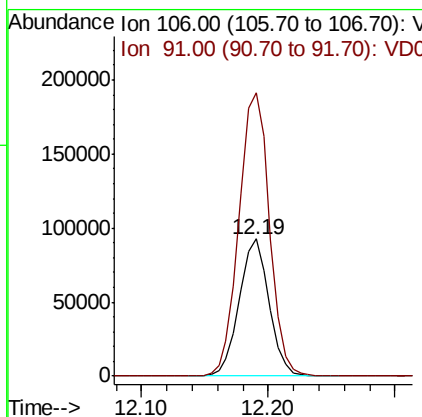
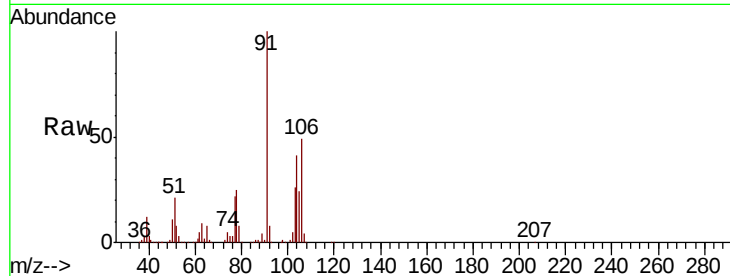




#69
o-Xylene
Concen: 21.305 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

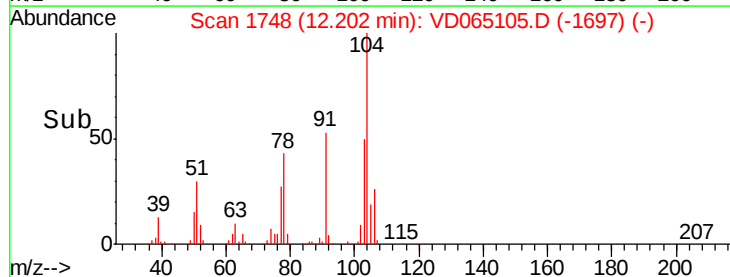
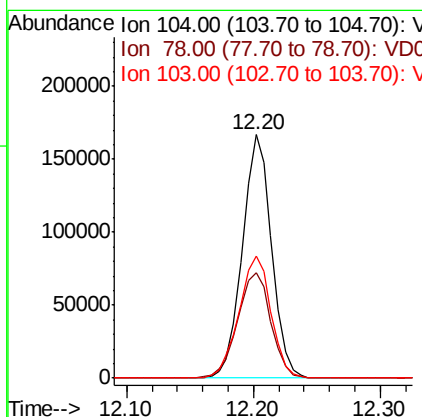
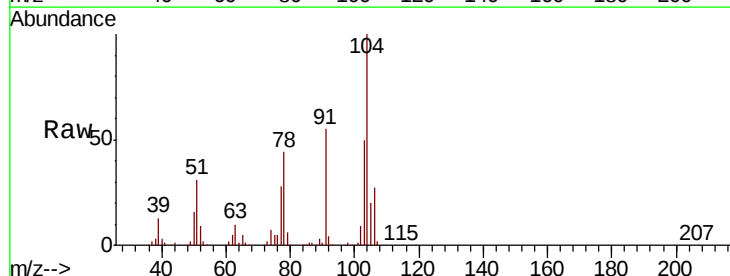
Instrument :
MSVOA_D
ClientSampled :

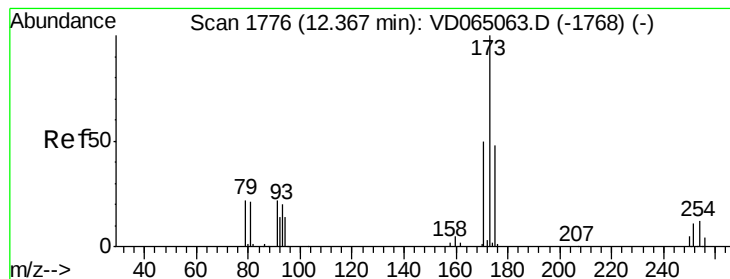
Tot Ion:106 Resp: 150725
Ion Ratio Lower Upper
106 100
91 212.3 104.7 313.9



#70
Styrene
Concen: 21.595 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion:104 Resp: 265530
Ion Ratio Lower Upper
104 100
78 49.4 38.5 57.7
103 55.3 43.8 65.8





#71

Bromoform

Concen: 21.972 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampled :

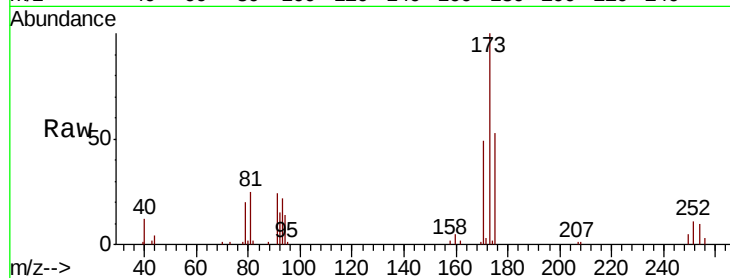
Tot Ion:173 Resp: 49453

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.8

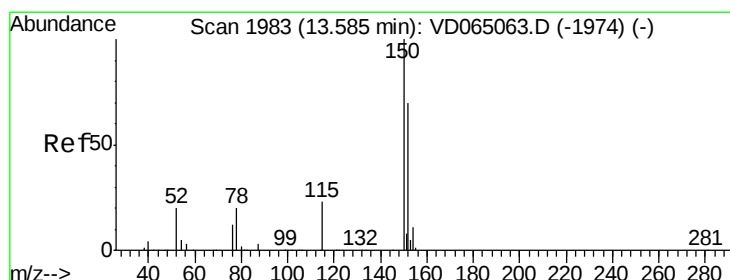
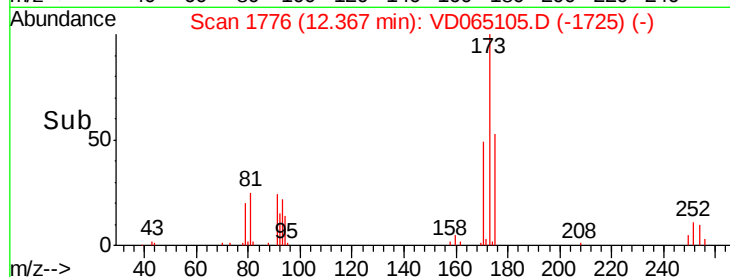
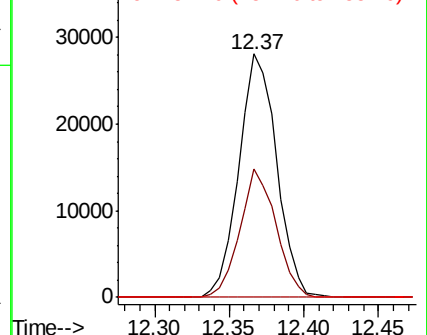
254 0.0 0.1 0.1#



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: VD065105.D

Acq: 07 Feb 2020 12:57

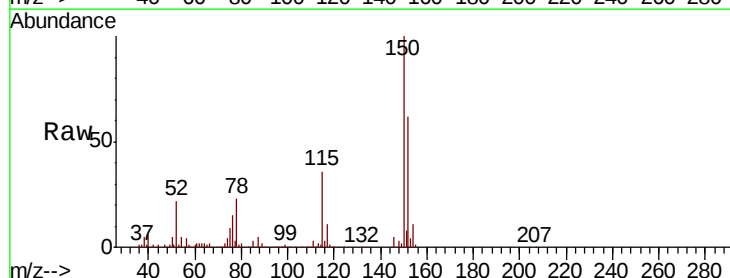
Tgt Ion:152 Resp: 284590

Ion Ratio Lower Upper

152 100

115 56.2 27.5 82.4

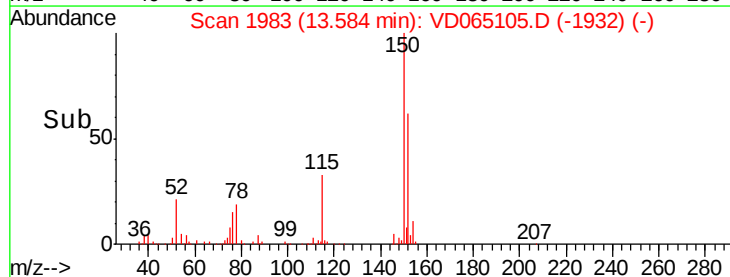
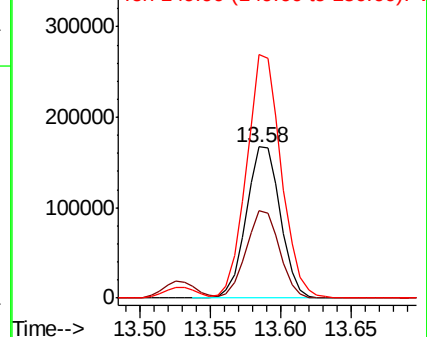
150 163.0 0.0 343.2

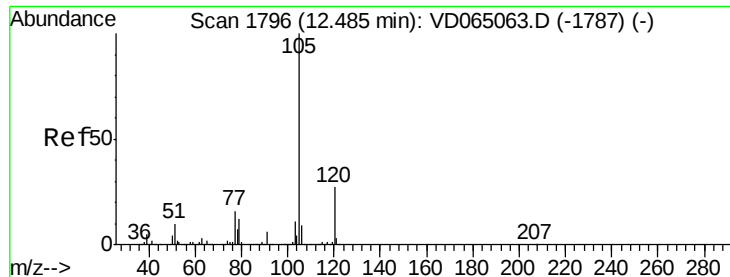


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.018 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

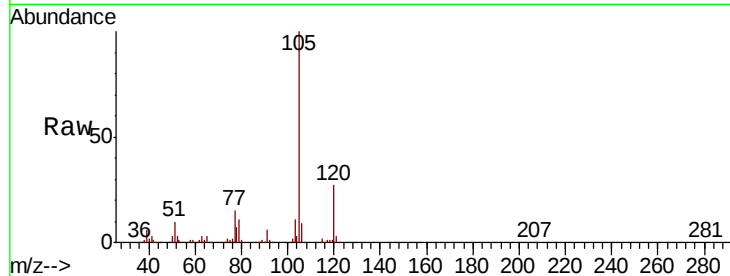
ClientSampled :

Tot Ion:105 Resp: 410548

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

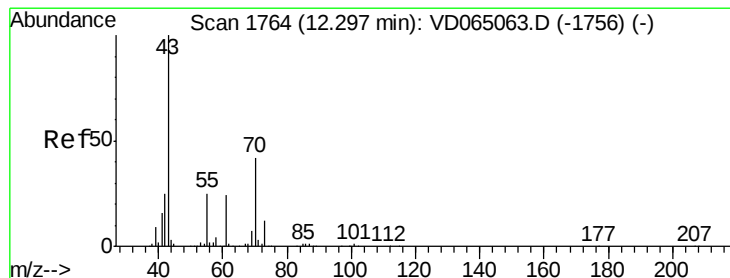
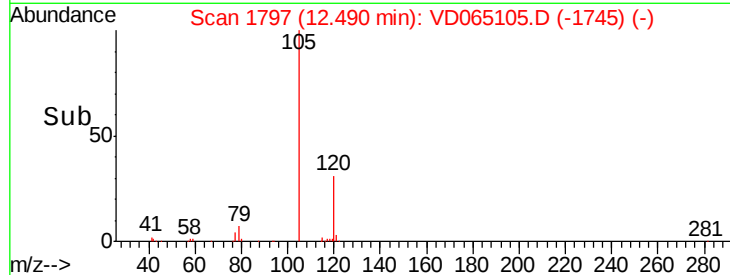
0

12.49

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.466 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion: 43 Resp: 91139

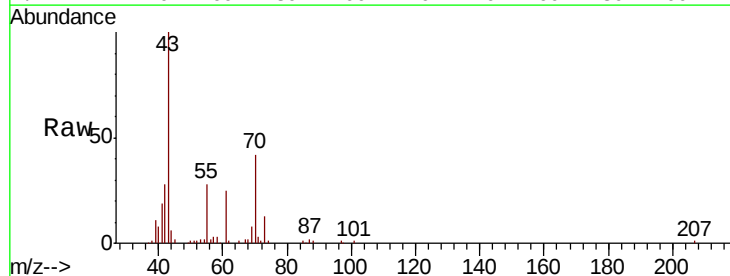
Ion Ratio Lower Upper

43 100

70 41.2 33.5 50.3

55 27.0 19.4 29.2

61 22.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

80000

60000

40000

20000

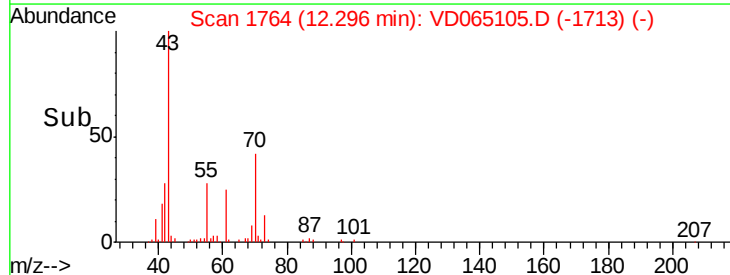
0

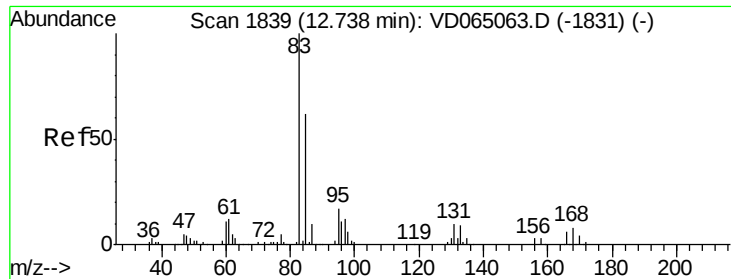
12.30

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.973 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

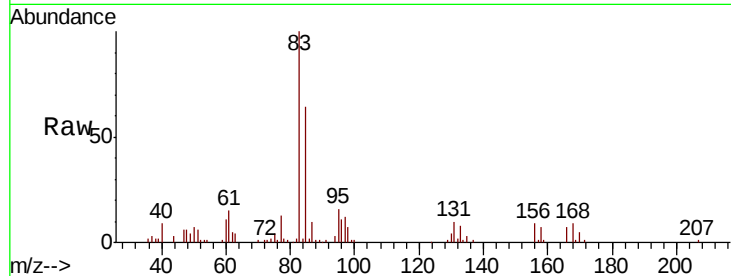
Tot Ion: 83 Resp: 70623

Ion Ratio Lower Upper

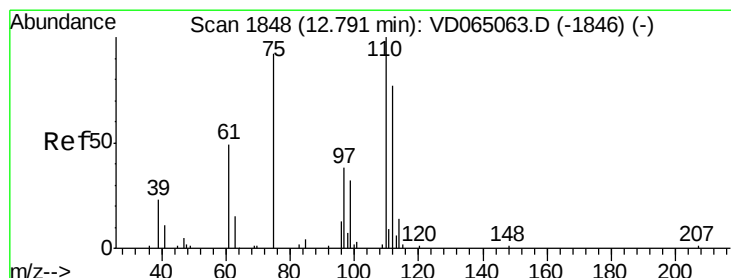
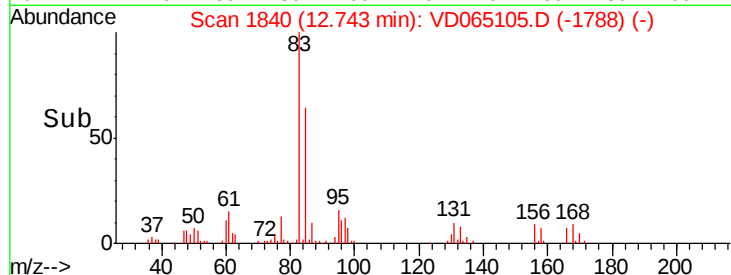
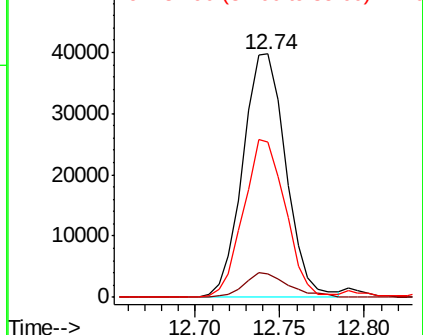
83 100

131 10.5 5.5 16.4

85 63.1 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 42.344 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VD065105.D

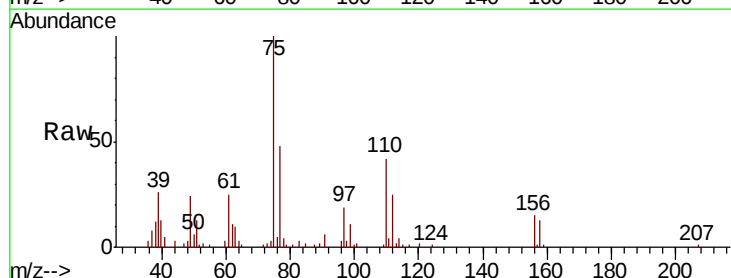
Acq: 07 Feb 2020 12:57

Tgt Ion: 75 Resp: 91237

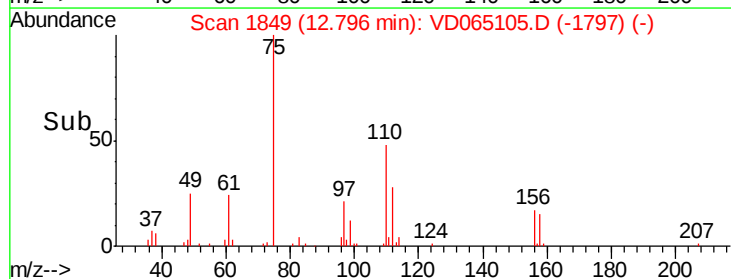
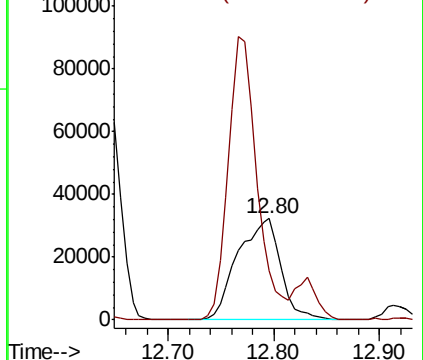
Ion Ratio Lower Upper

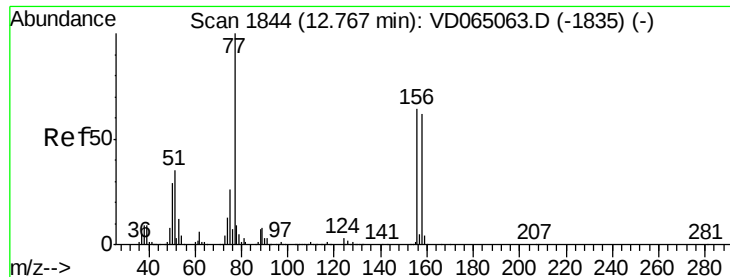
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.164 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampled :

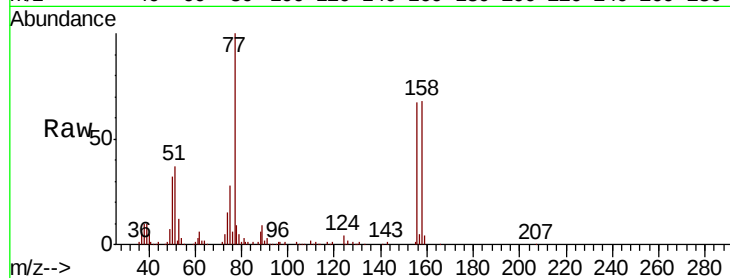
Tot Ion:156 Resp: 99601

Ion Ratio Lower Upper

156 100

77 171.5 85.6 256.8

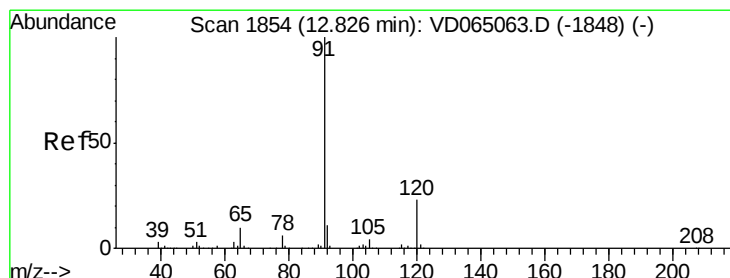
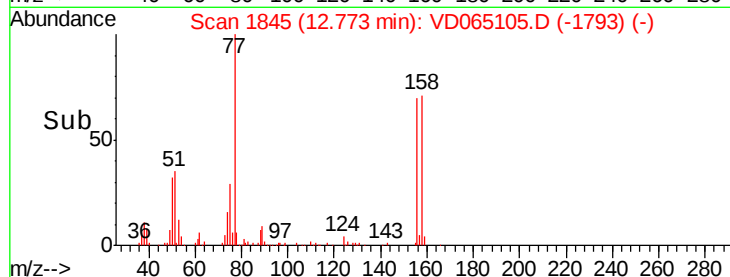
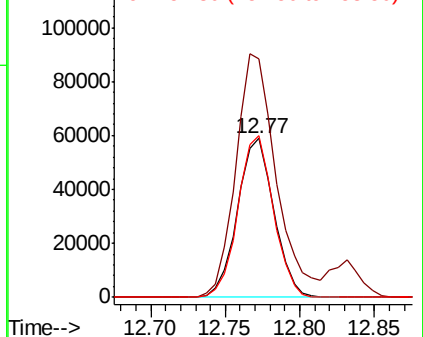
158 98.6 47.4 142.2



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: 22.010 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065105.D

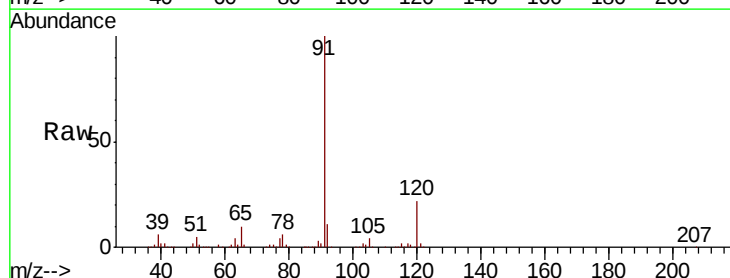
Acq: 07 Feb 2020 12:57

Tgt Ion: 91 Resp: 503491

Ion Ratio Lower Upper

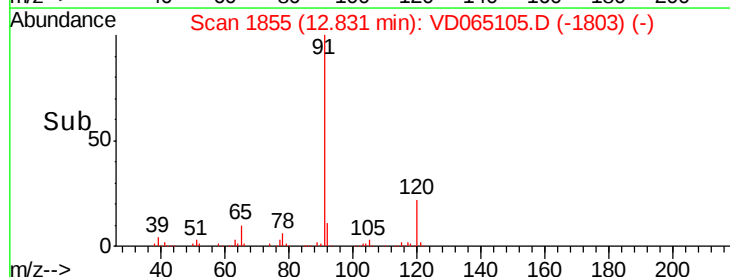
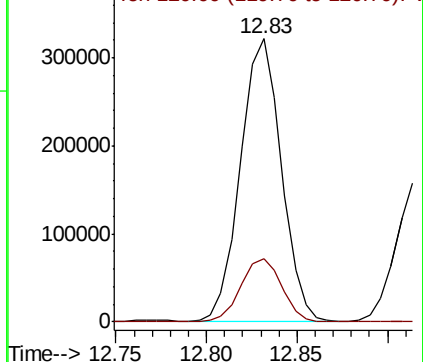
91 100

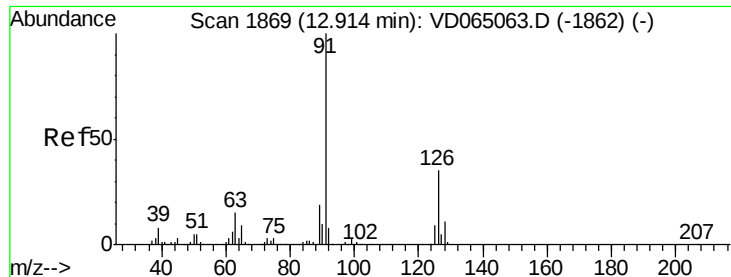
120 22.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

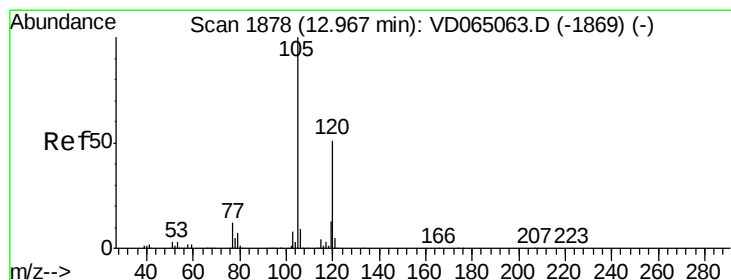
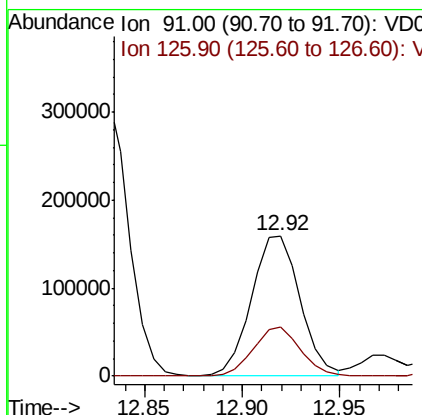
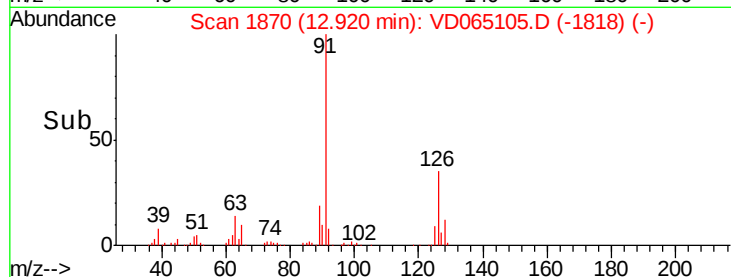
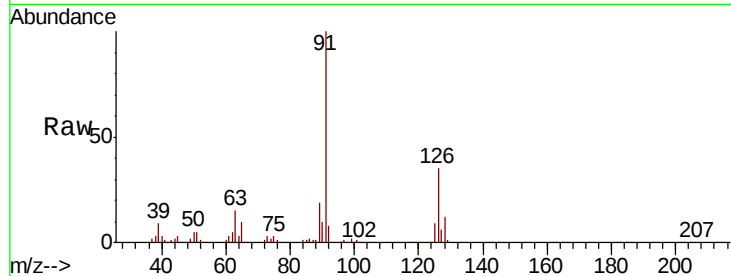




#79
 2-Chlorotoluene
 Concen: 21.478 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

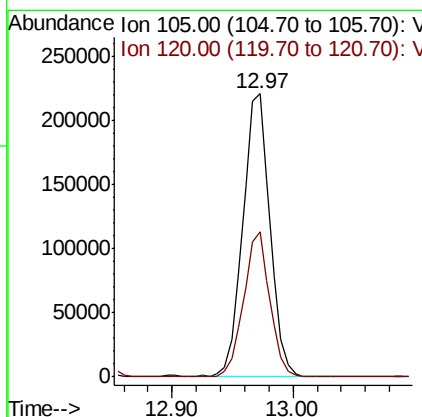
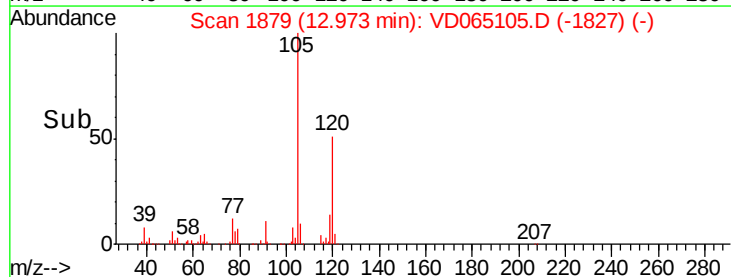
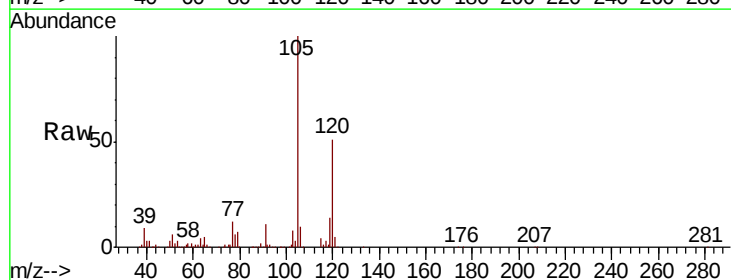
Instrument :
 MSVOA_D
 ClientSampled :

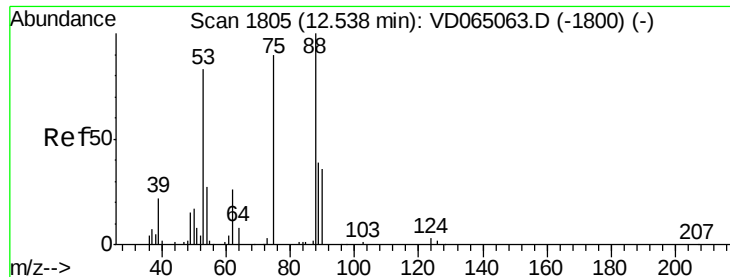
Tot Ion: 91 Resp: 273859
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.704 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion: 105 Resp: 346830
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.754 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

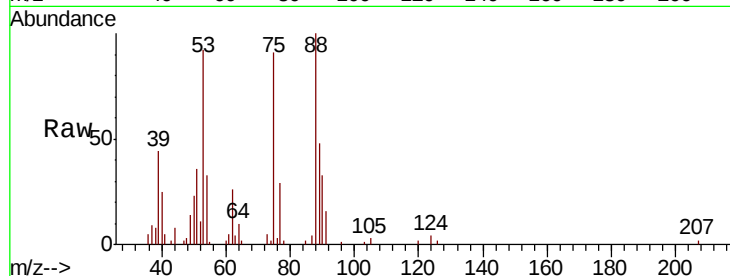
Tot Ion: 75 Resp: 22360

Ion Ratio Lower Upper

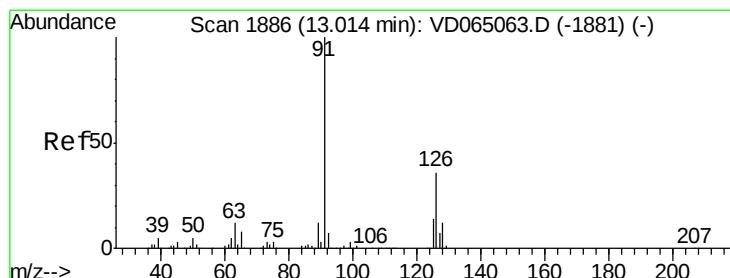
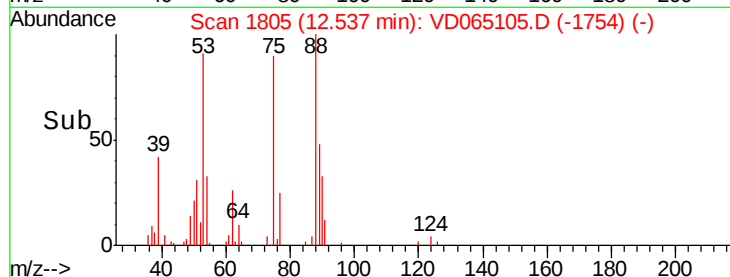
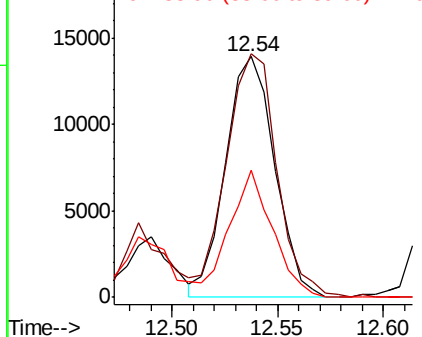
75 100

53 104.7 78.5 117.7

89 46.0 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.729 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065105.D

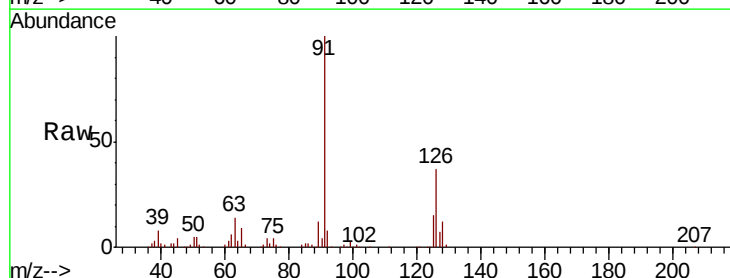
Acq: 07 Feb 2020 12:57

Tgt Ion: 91 Resp: 290983

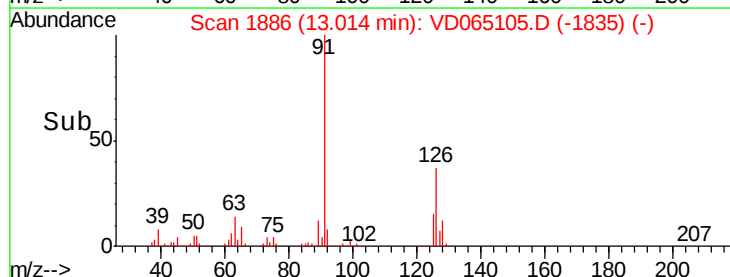
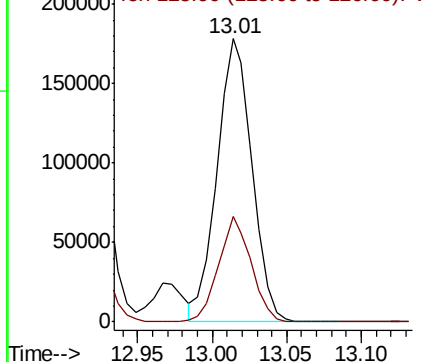
Ion Ratio Lower Upper

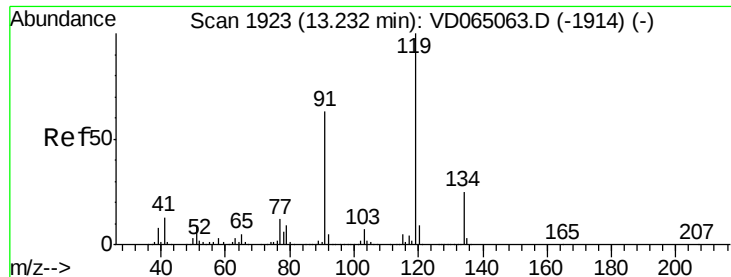
91 100

126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

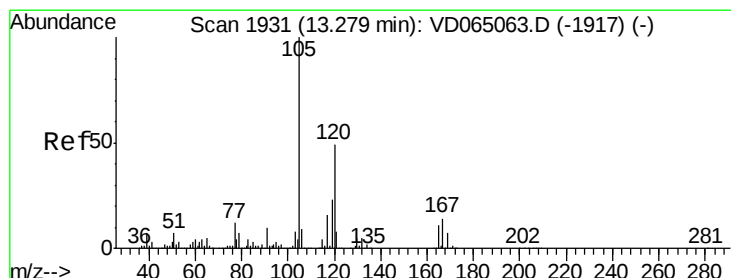
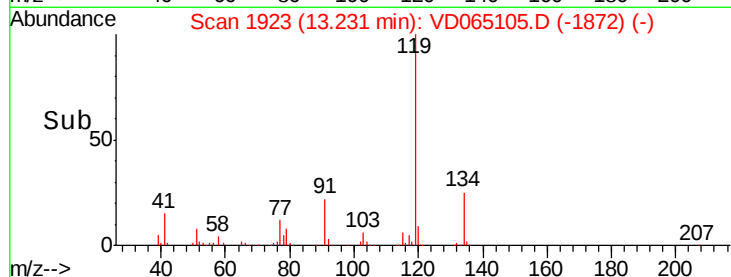
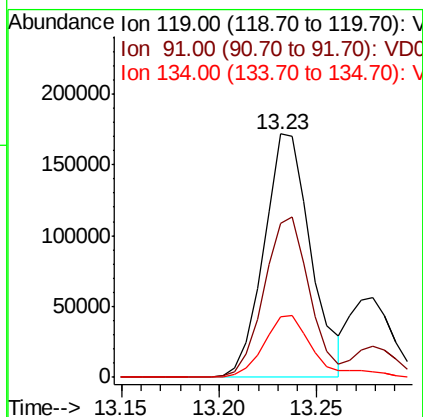
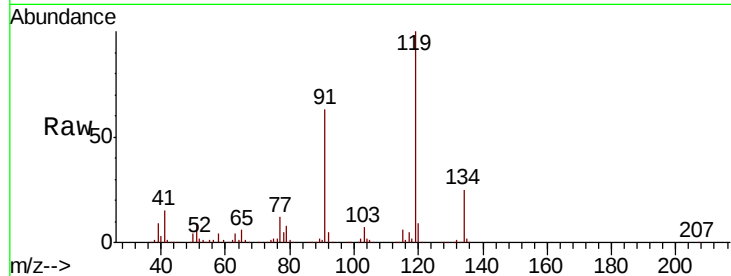




#83
tert-Butylbenzene
Concen: 20.801 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

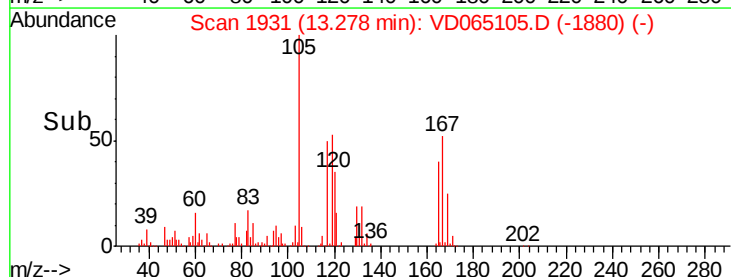
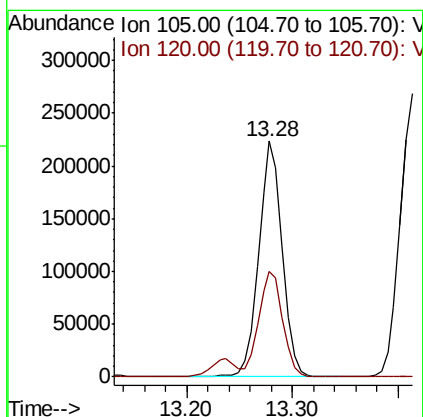
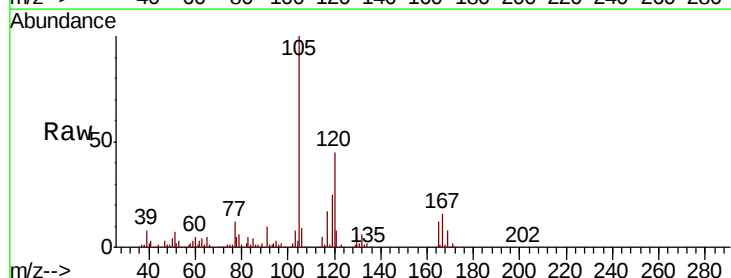
Instrument :
MSVOA_D
ClientSampleId :

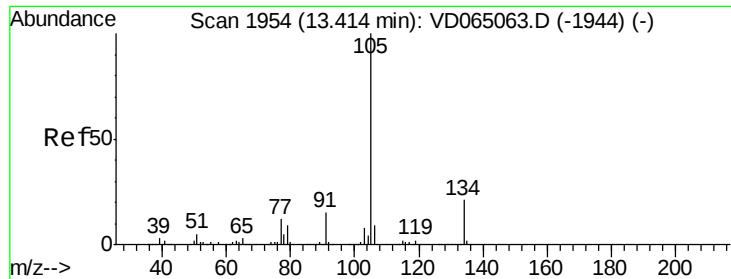
Tot Ion:119 Resp: 286771
Ion Ratio Lower Upper
119 100
91 63.6 32.3 96.9
134 27.3 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 21.775 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion:105 Resp: 345464
Ion Ratio Lower Upper
105 100
120 46.3 23.5 70.5





#85

sec-Butylbenzene

Concen: 21.434 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

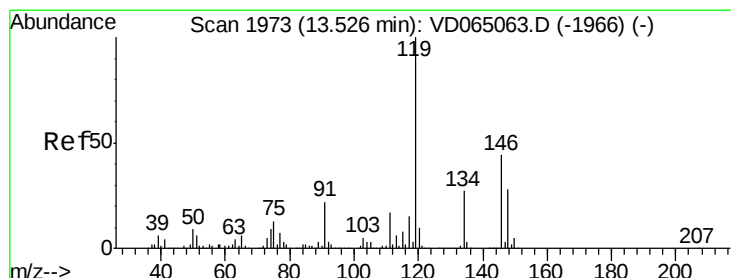
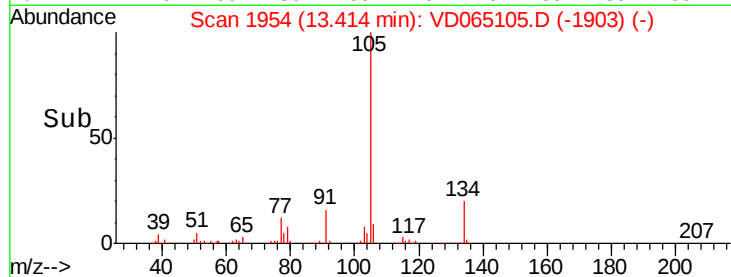
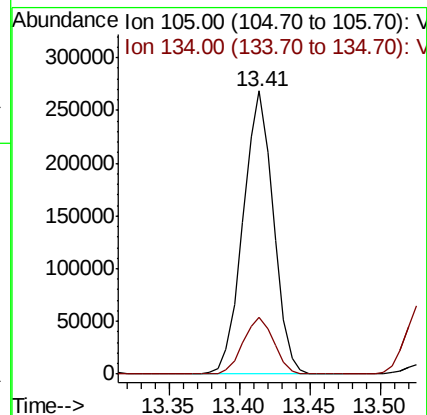
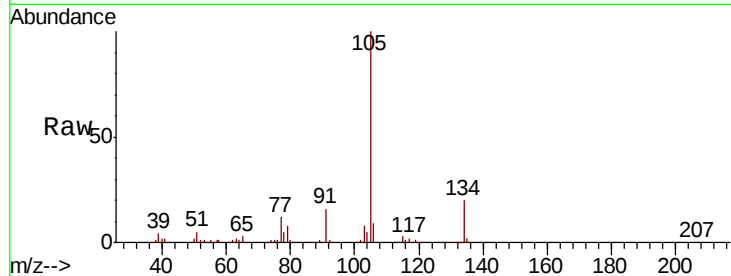
ClientSampleId :

Tot Ion:105 Resp: 403595

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1



#86

p-Isopropyltoluene

Concen: 21.291 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

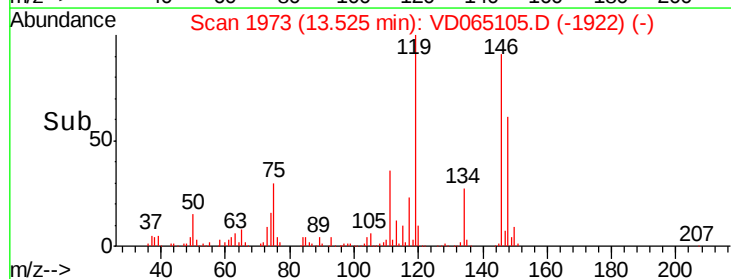
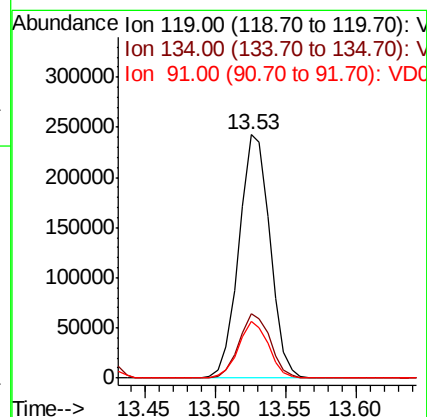
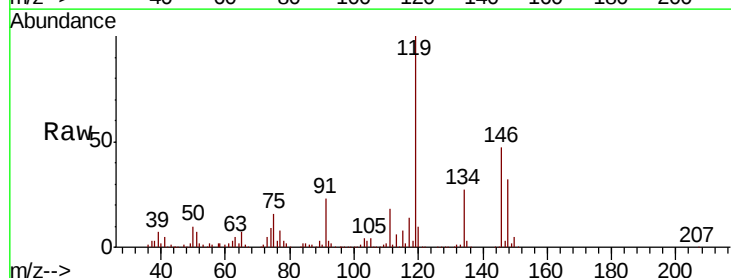
Tgt Ion:119 Resp: 372488

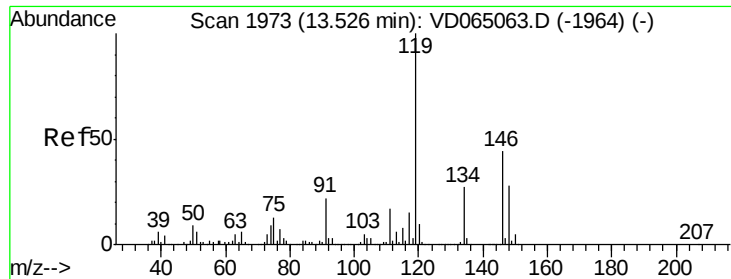
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.7 11.3 33.9

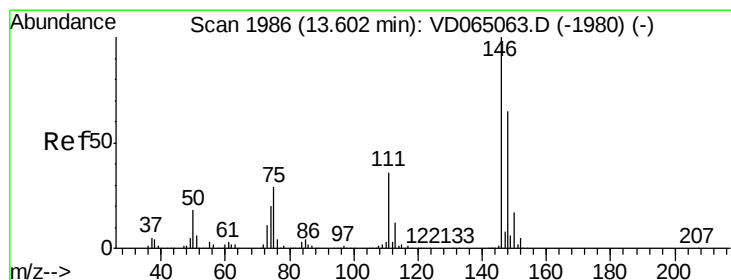
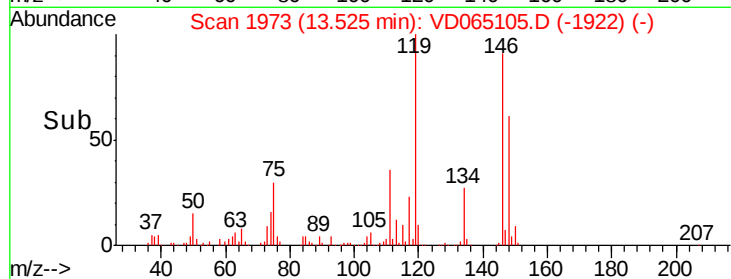
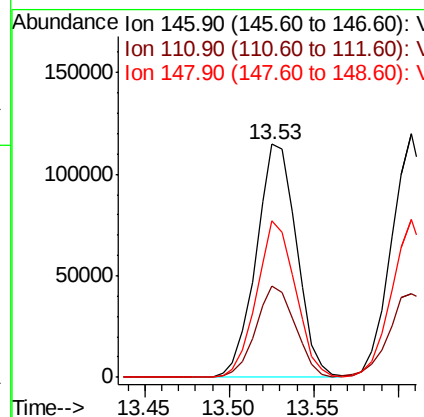
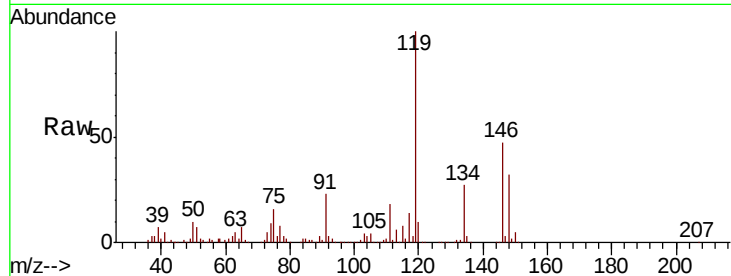




#87
 1,3-Dichlorobenzene
 Concen: 21.725 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

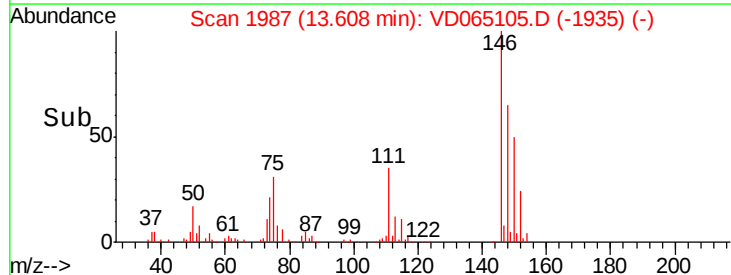
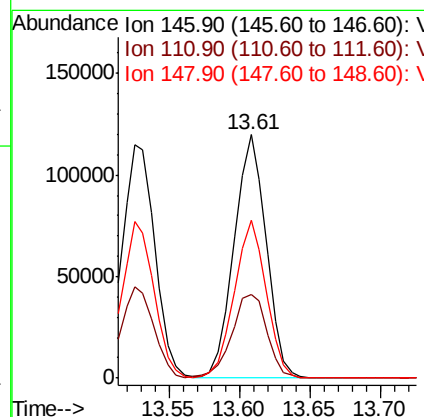
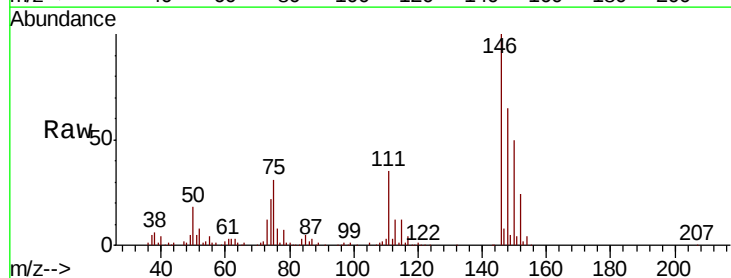
Instrument :
 MSVOA_D
 ClientSampleId :

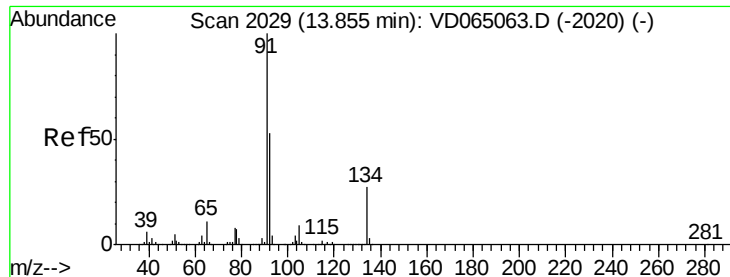
Tot Ion:146 Resp: 191429
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.4
 148 64.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.663 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion:146 Resp: 189987
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.5 55.5
 148 64.2 32.7 98.1

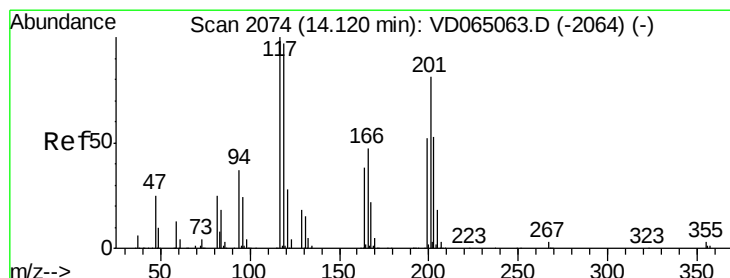
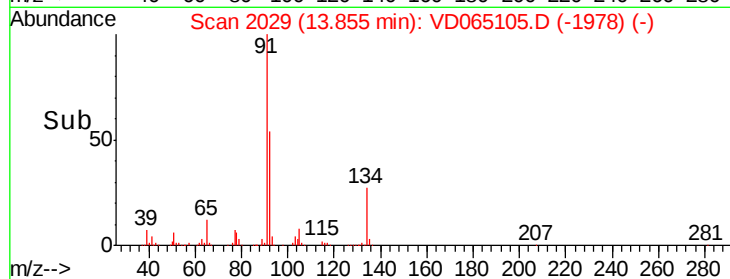
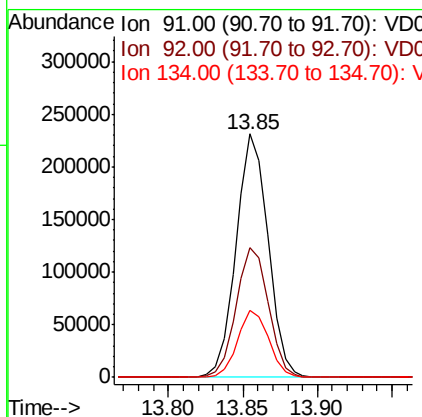
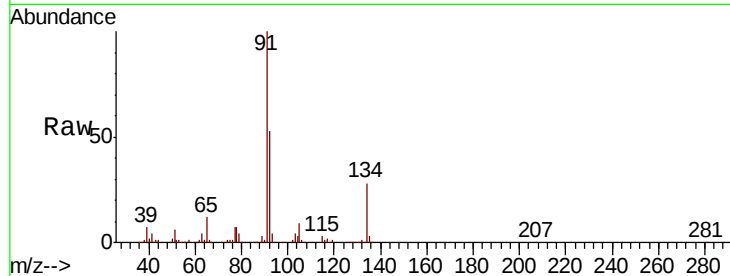




#89
n-Butylbenzene
Concen: 21.355 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

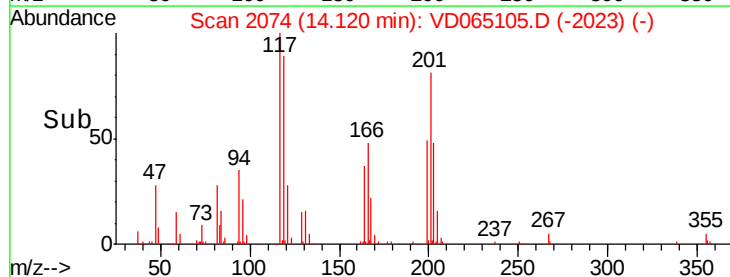
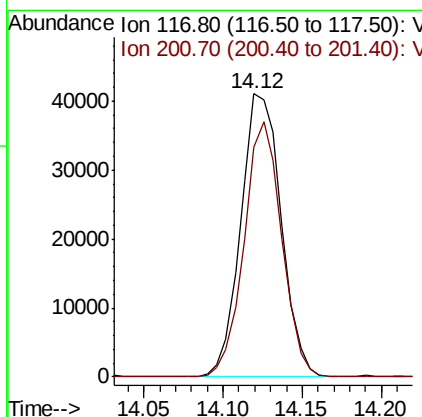
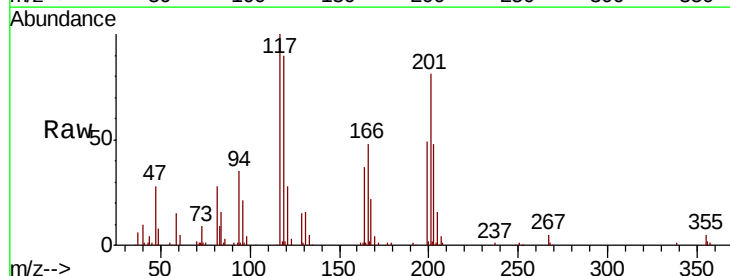
Instrument :
MSVOA_D
ClientSampleId :

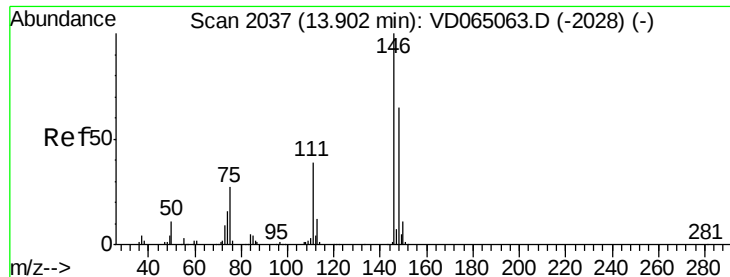
Tot Ion: 91 Resp: 344839
Ion Ratio Lower Upper
91 100
92 53.8 26.7 80.1
134 26.8 13.4 40.2



#90
Hexachloroethane
Concen: 21.965 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 117 Resp: 72766
Ion Ratio Lower Upper
117 100
201 83.8 42.5 127.6

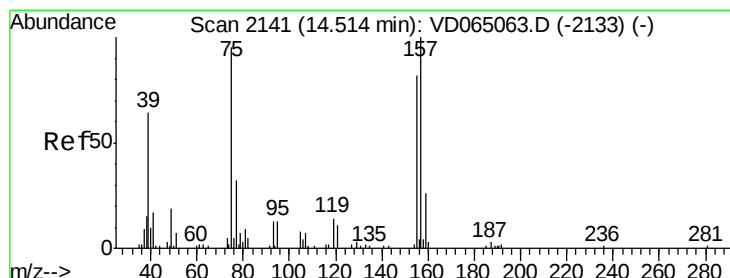
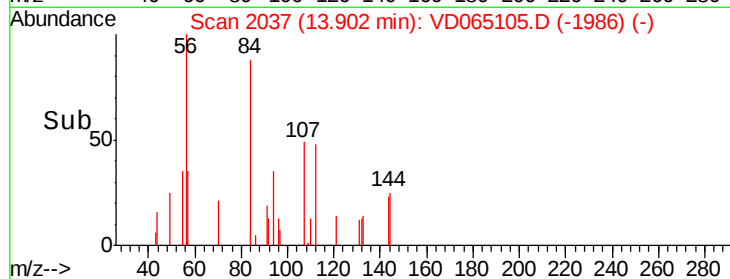
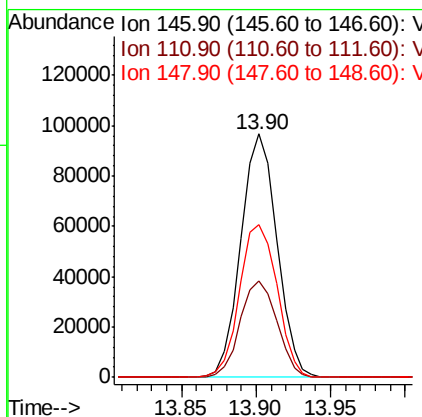
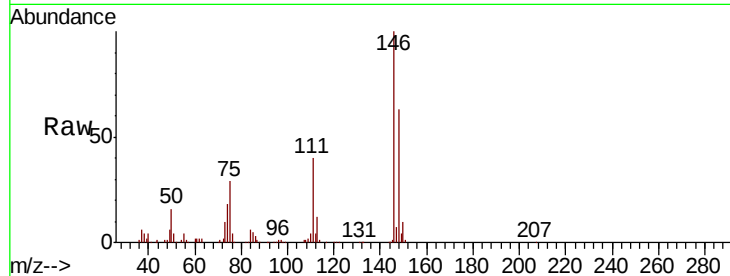




#91
 1,2-Dichlorobenzene
 Concen: 21.518 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

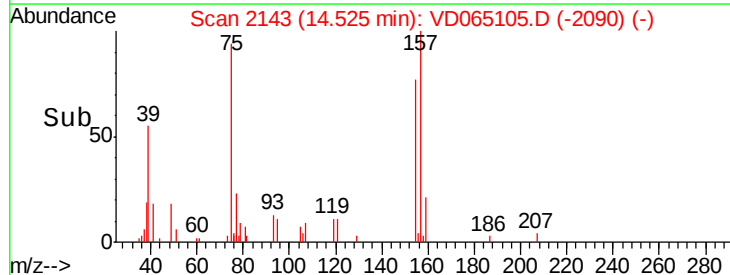
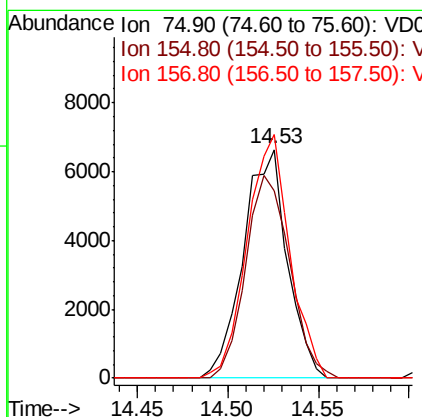
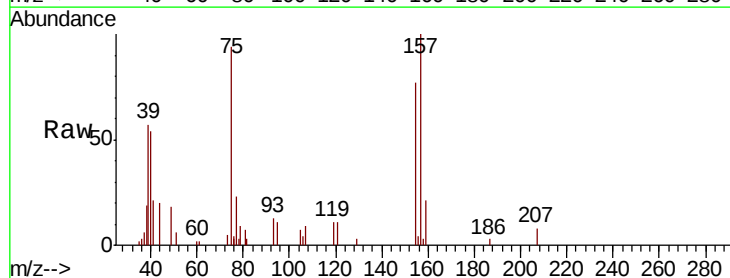
Instrument :
 MSVOA_D
 ClientSampleId :

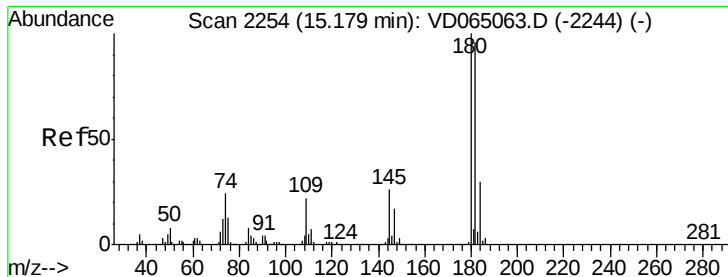
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.1
148	65.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.294 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	43.4	130.1
157	103.4	55.8	167.3

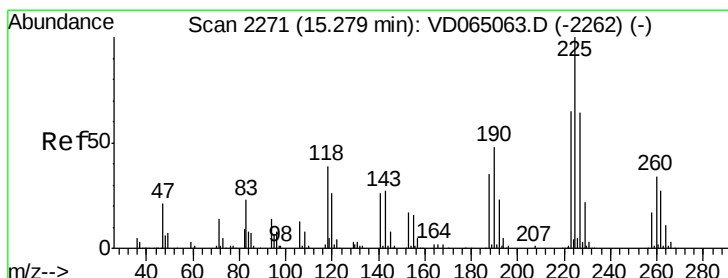
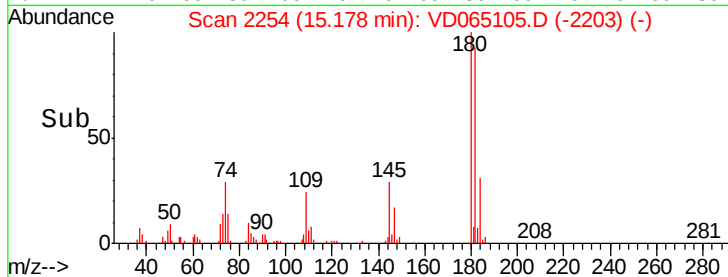
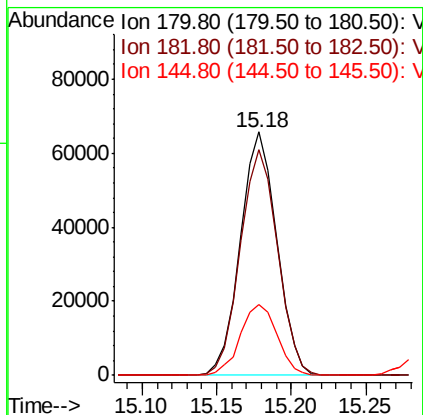
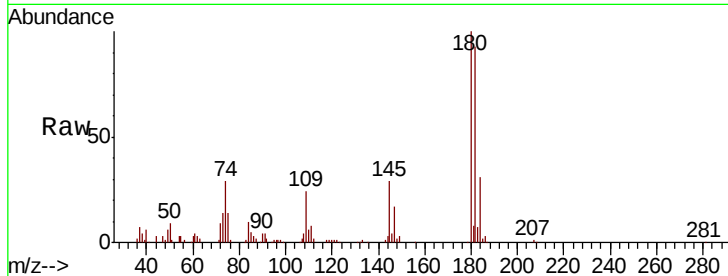




#93
 1,2,4-Trichlorobenzene
 Concen: 20.604 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

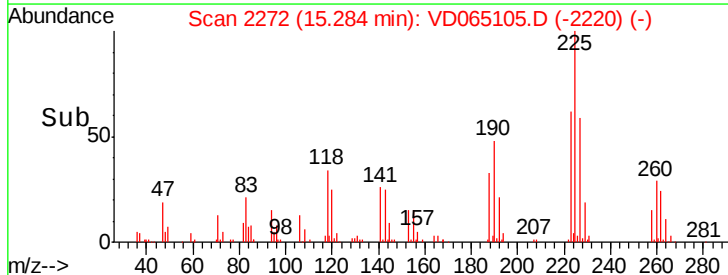
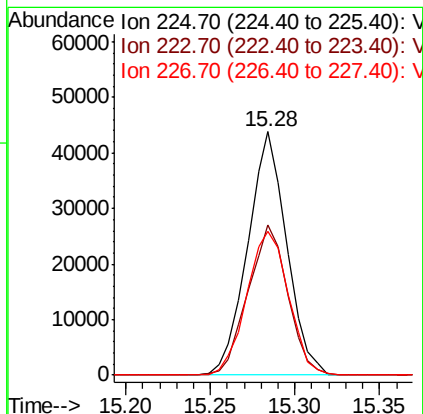
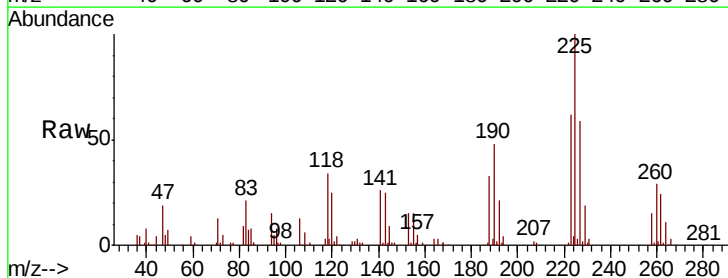
Instrument :
 MSVOA_D
 ClientSampleId :

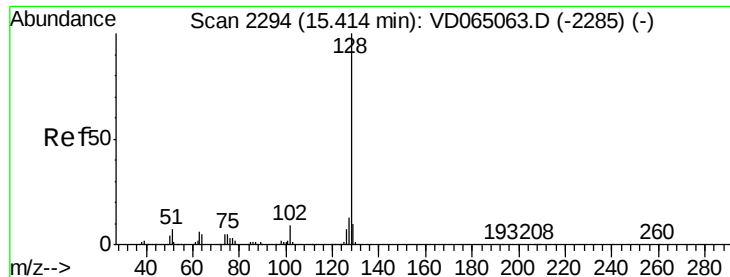
Tot Ion:180 Resp: 111142
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.4 142.3
 145 29.4 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 21.187 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion:225 Resp: 70274
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.0
 227 63.1 31.8 95.3

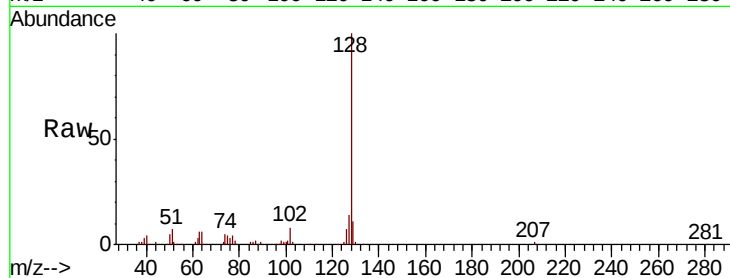




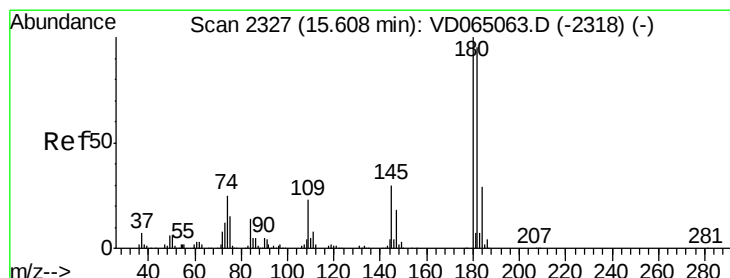
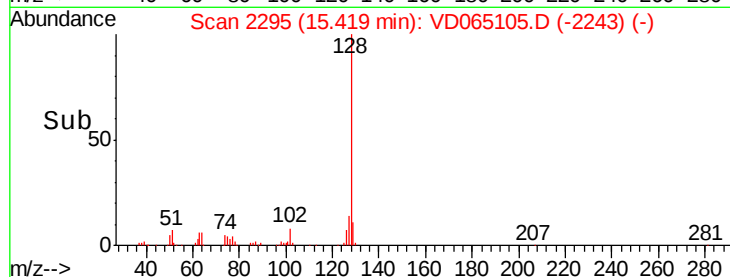
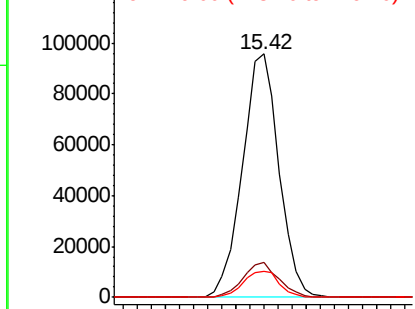
#95
Naphthalene
Concen: 19.345 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 173443
Ion Ratio Lower Upper
128 100
127 14.0 10.6 15.8
129 10.9 8.7 13.1

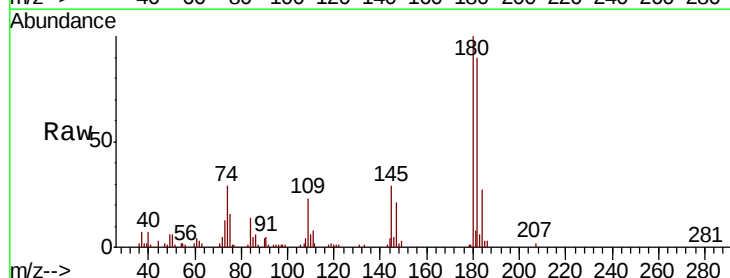


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.810 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion:180 Resp: 96021
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.4
145 30.4 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

