

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071020\
 Data File : VD065946.D
 Acq On : 10 Jul 2020 13:56
 Operator : VA/SY
 Sample : VD0710SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 11 04:29:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	381745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	560462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	533016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	148968	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
35) Dibromofluoromethane	7.91	113	158986	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	10.34	98	589136	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.64	95	208056	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74408	21.925	ug/l	96
3) Chloromethane	2.21	50	66438	19.748	ug/l	98
4) Vinyl Chloride	2.35	62	58826	19.043	ug/l	95
5) Bromomethane	2.76	94	38488	19.670	ug/l	84
6) Chloroethane	2.92	64	34649	18.764	ug/l	91
7) Trichlorofluoromethane	3.27	101	133125	20.108	ug/l	94
8) Diethyl Ether	3.71	74	36457	20.072	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	81487	20.577	ug/l	96
10) Methyl Iodide	4.30	142	82387	21.272	ug/l	98
11) Tert butyl alcohol	5.21	59	24783	102.856	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	74053	20.016	ug/l	88
13) Acrolein	3.93	56	19640	98.779	ug/l	93
14) Allyl chloride	4.71	41	124923	19.925	ug/l	99
15) Acrylonitrile	5.42	53	80981	101.832	ug/l	97
16) Acetone	4.16	43	68616	86.542	ug/l #	86
17) Carbon Disulfide	4.41	76	242829	20.599	ug/l	100
18) Methyl Acetate	4.72	43	36204	19.480	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	160333	20.470	ug/l	99
20) Methylene Chloride	4.97	84	93713	15.413	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	85016	20.424	ug/l	96
22) Diisopropyl ether	6.36	45	241800	20.522	ug/l	96
23) Vinyl Acetate	6.30	43	665944	99.021	ug/l	99
24) 1,1-Dichloroethane	6.27	63	144228	20.529	ug/l	98
25) 2-Butanone	7.21	43	96581	92.184	ug/l	97
26) 2,2-Dichloropropane	7.20	77	123337	20.067	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	90555	20.248	ug/l	98
28) Bromochloromethane	7.55	49	56264	21.199	ug/l	95
29) Tetrahydrofuran	7.56	42	63675	95.578	ug/l	99
30) Chloroform	7.71	83	146210	20.528	ug/l	96
31) Cyclohexane	7.98	56	136992	19.818	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	134218	20.649	ug/l	99
36) 1,1-Dichloropropene	8.11	75	116048	20.965	ug/l	99
37) Ethyl Acetate	7.29	43	46194	19.917	ug/l	100
38) Carbon Tetrachloride	8.10	117	127665	21.518	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144627	21.282	ug/l	96
40) Benzene	8.35	78	327061	21.387	ug/l	99
41) Methacrylonitrile	7.56	41	65007	48.276	ug/l #	25
42) 1,2-Dichloroethane	8.43	62	89834	20.736	ug/l	98
43) Isopropyl Acetate	8.45	43	83928	19.441	ug/l	94
44) Trichloroethene	9.11	130	97908	21.791	ug/l	98
45) 1,2-Dichloropropane	9.39	63	81508	21.475	ug/l	98
46) Dibromomethane	9.47	93	41866	21.187	ug/l	99
47) Bromodichloromethane	9.66	83	113389	21.392	ug/l	97
48) Methyl methacrylate	9.46	41	43964	20.229	ug/l	96
49) 1,4-Dioxane	9.47	88	10028	427.105	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	217948	99.858	ug/l	100
52) Toluene	10.40	92	213299	21.925	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	104869	21.041	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	127946	21.245	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	60154	22.095	ug/l	96
56) Ethyl methacrylate	10.66	69	70904	21.323	ug/l	97
57) 1,3-Dichloropropane	10.95	76	98380	20.663	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	171608	106.560	ug/l	99
59) 2-Hexanone	10.98	43	150887	100.521	ug/l	99
60) Dibromochloromethane	11.14	129	80054	21.522	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57177	21.064	ug/l	99
64) Tetrachloroethene	10.87	164	85366	22.023	ug/l	94
65) Chlorobenzene	11.67	112	231686	21.570	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	86028	21.413	ug/l	99
67) Ethyl Benzene	11.74	91	405741	21.263	ug/l	98
68) m/p-Xylenes	11.86	106	310689	42.855	ug/l	99
69) o-Xylene	12.18	106	143772	21.770	ug/l	98
70) Styrene	12.20	104	248570	21.803	ug/l	99
71) Bromoform	12.37	173	48124	21.169	ug/l #	99
73) Isopropylbenzene	12.48	105	391044	20.684	ug/l	100
74) N-amyl acetate	12.29	43	80936	19.078	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	61956	19.739	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	80631	35.482	ug/l #	100
77) Bromobenzene	12.76	156	95561	20.840	ug/l	99
78) n-propylbenzene	12.82	91	453775	20.472	ug/l	100
79) 2-Chlorotoluene	12.91	91	259602	20.645	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	326142	21.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20838	19.703	ug/l	99
82) 4-Chlorotoluene	13.01	91	271221	20.558	ug/l	99
83) tert-Butylbenzene	13.23	119	269452	20.452	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	322763	20.968	ug/l	99
85) sec-Butylbenzene	13.40	105	389341	20.853	ug/l	99
86) p-Isopropyltoluene	13.52	119	361544	21.171	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	186479	21.733	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	182755	21.349	ug/l	99
89) n-Butylbenzene	13.84	91	326734	20.374	ug/l	99
90) Hexachloroethane	14.11	117	69972	20.318	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	158920	21.191	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9387	17.885	ug/l	88

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Instrument :
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ClientSampleId :

Quant Time: Jul 11 04:29:41 2020
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Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:45:47 2020
Response via : Initial Calibration

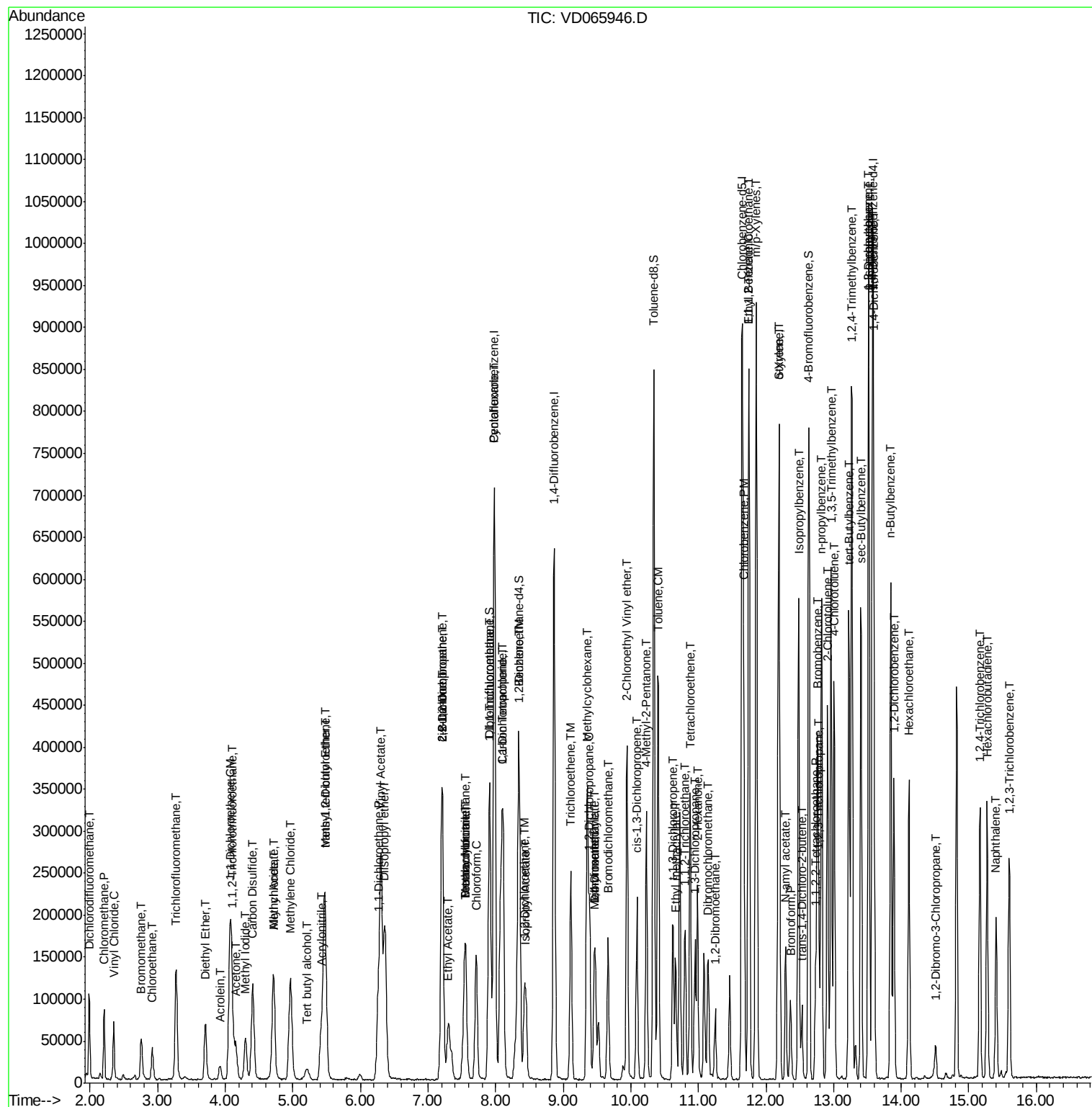
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110951	20.758	ug/l	99
94) Hexachlorobutadiene	15.27	225	66330	20.516	ug/l	98
95) Naphthalene	15.40	128	173662	19.373	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	98001	21.257	ug/l	99

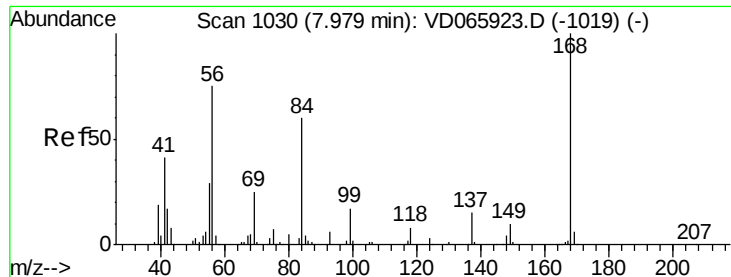
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

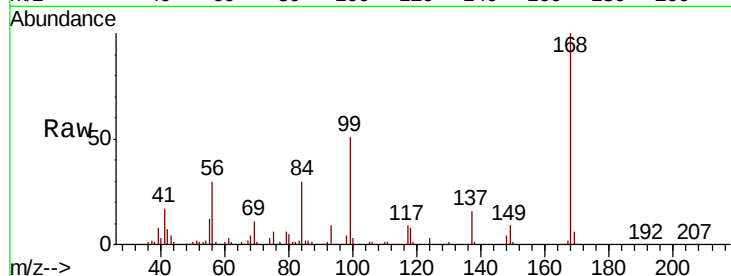
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 381745

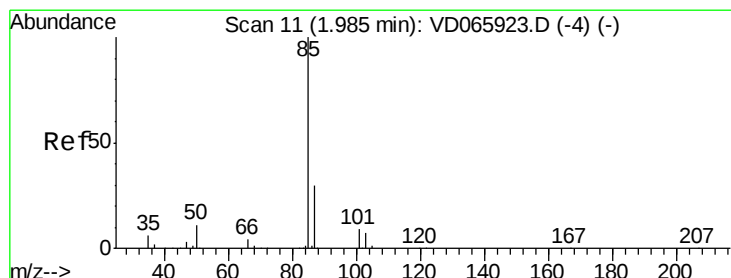
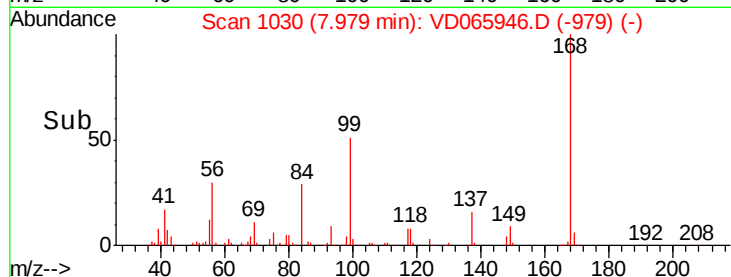
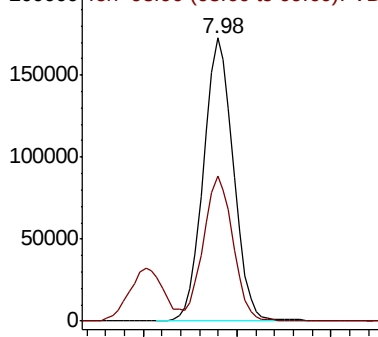
Ion Ratio Lower Upper

168 100

99 51.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.925 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065946.D

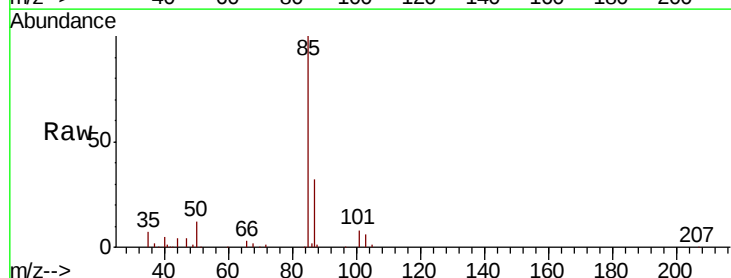
Acq: 10 Jul 2020 13:56

Tgt Ion: 85 Resp: 74408

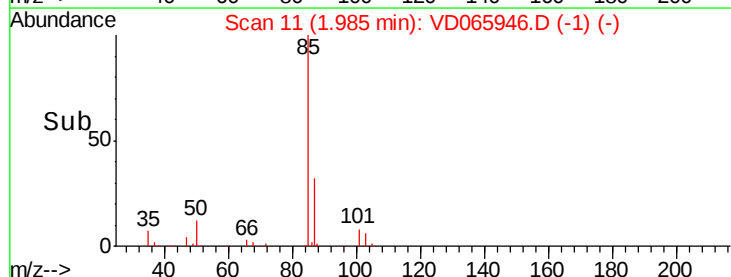
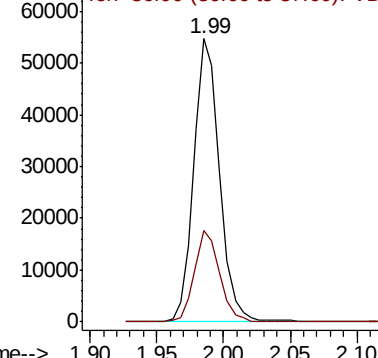
Ion Ratio Lower Upper

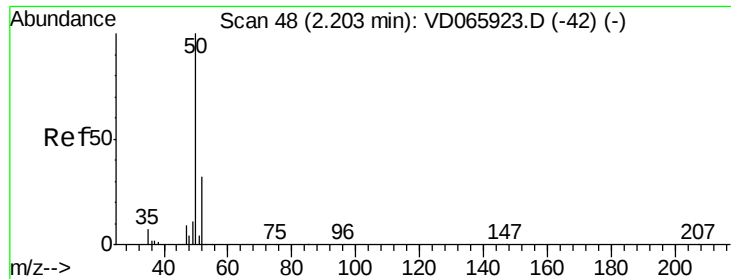
85 100

87 32.1 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.748 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

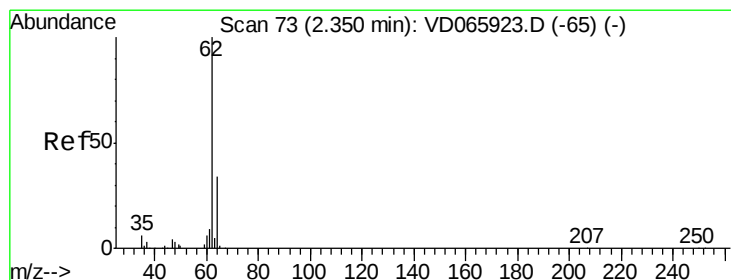
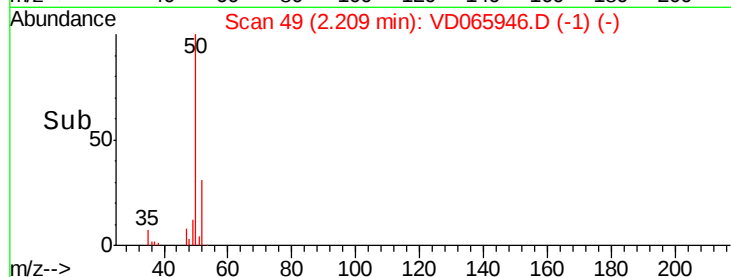
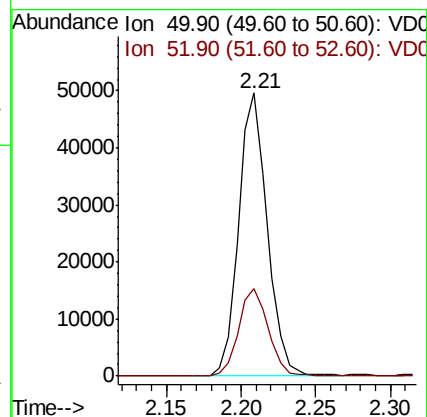
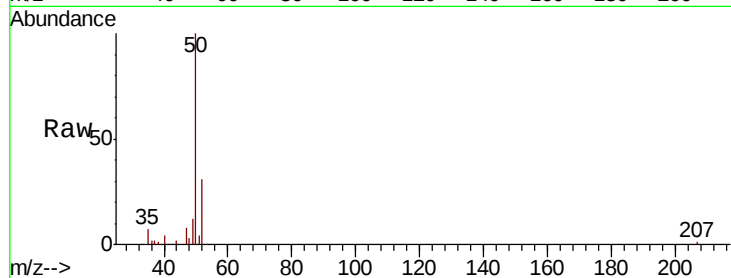
ClientSampled :

Tot Ion: 50 Resp: 66438

Ion Ratio Lower Upper

50 100

52 30.8 25.6 38.4



#4

Vinyl Chloride

Concen: 19.043 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065946.D

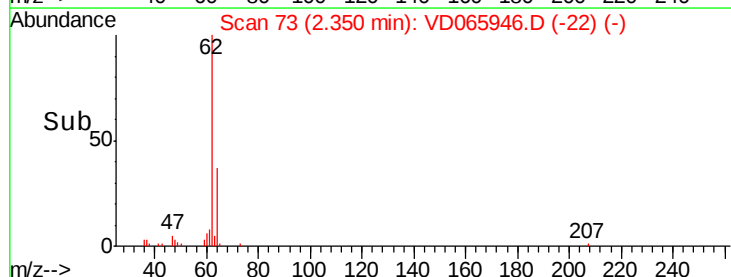
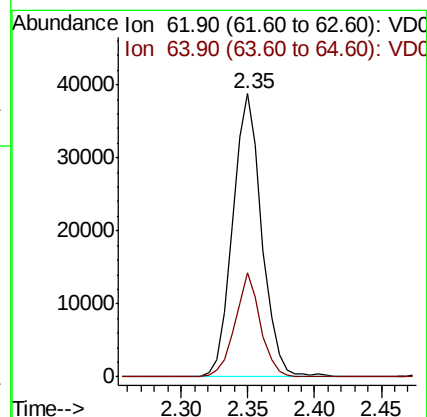
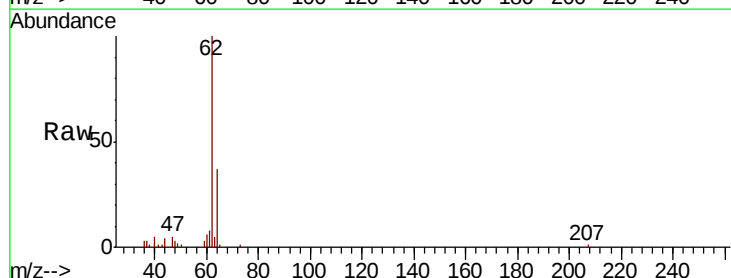
Acq: 10 Jul 2020 13:56

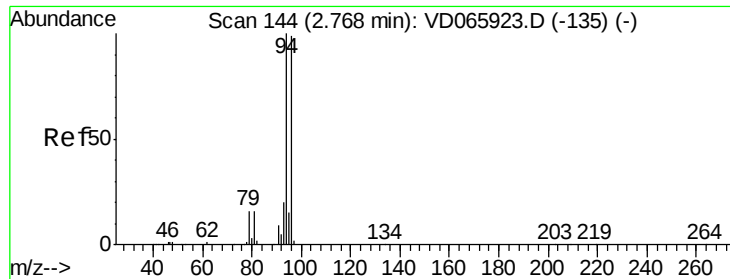
Tgt Ion: 62 Resp: 58826

Ion Ratio Lower Upper

62 100

64 36.7 27.2 40.8





#5

Bromomethane

Concen: 19.670 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

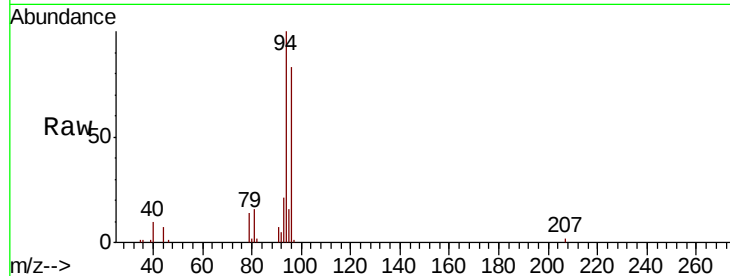
ClientSampled :

Tot Ion: 94 Resp: 38488

Ion Ratio Lower Upper

94 100

96 83.0 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

20000

15000

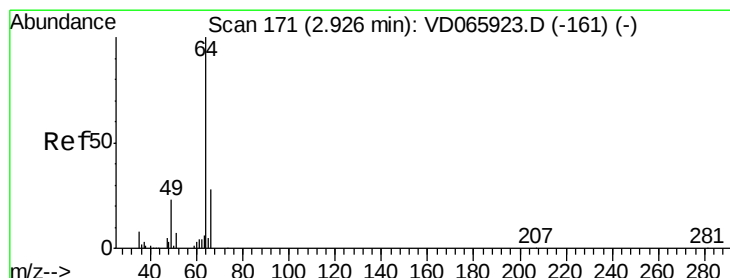
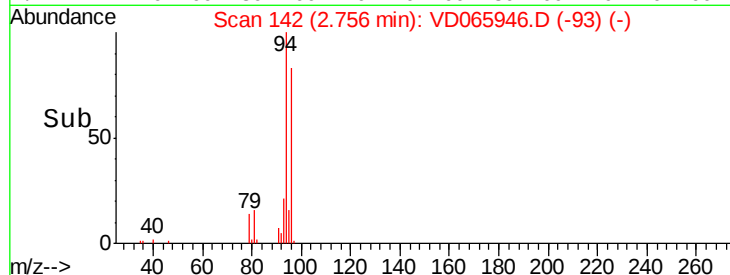
10000

5000

0

2.65 2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 18.764 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065946.D

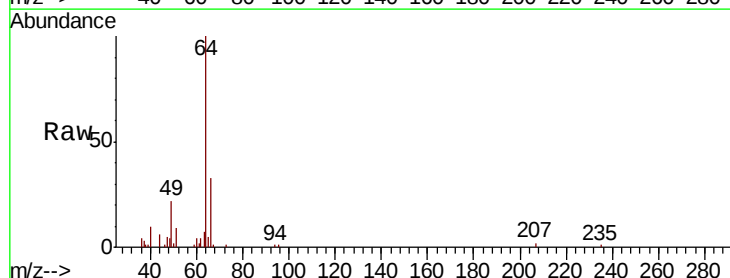
Acq: 10 Jul 2020 13:56

Tgt Ion: 64 Resp: 34649

Ion Ratio Lower Upper

64 100

66 32.9 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

20000

15000

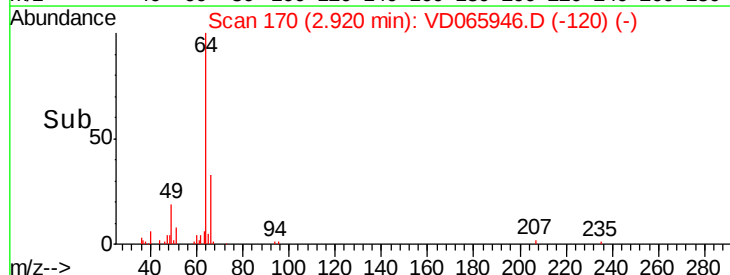
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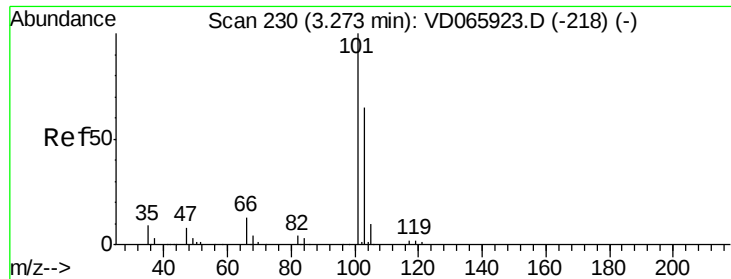
5000

0

2.85 2.90 2.95 3.00

Time-->



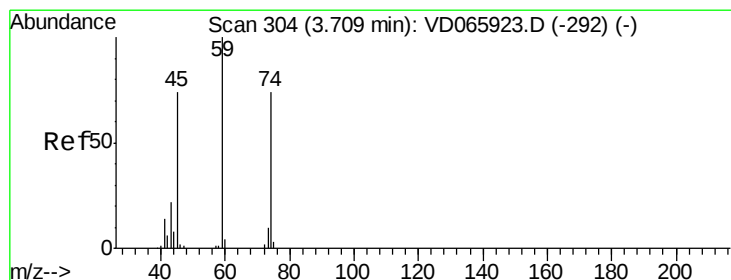
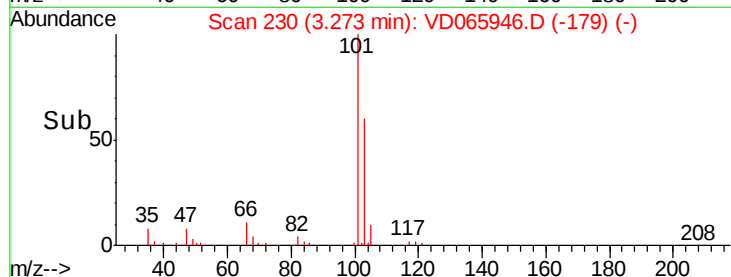
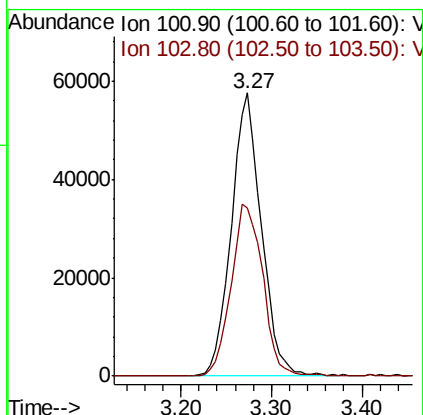
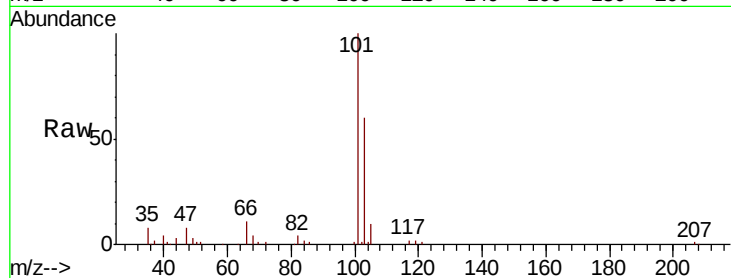


#7

Trichlorofluoromethane
 Concen: 20.108 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :

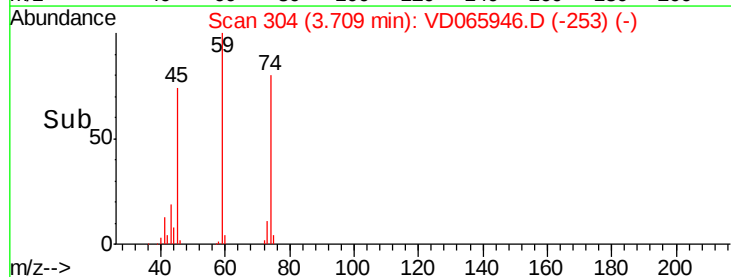
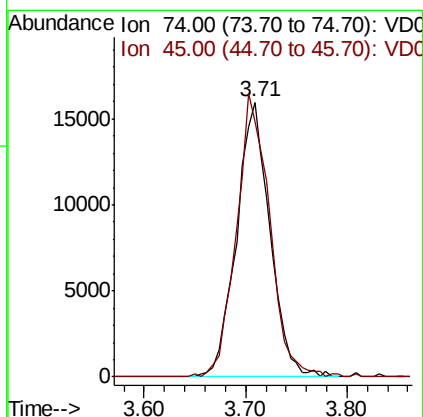
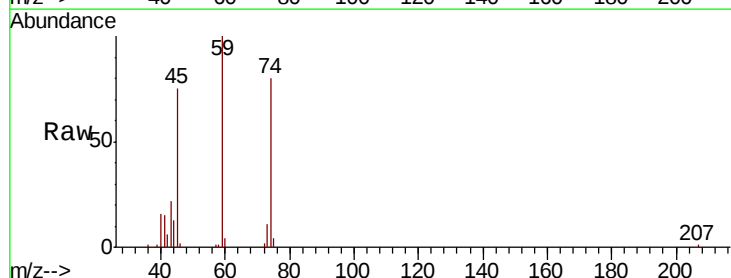
Tot Ion:101 Resp: 133125
 Ion Ratio Lower Upper
 101 100
 103 59.6 51.7 77.5

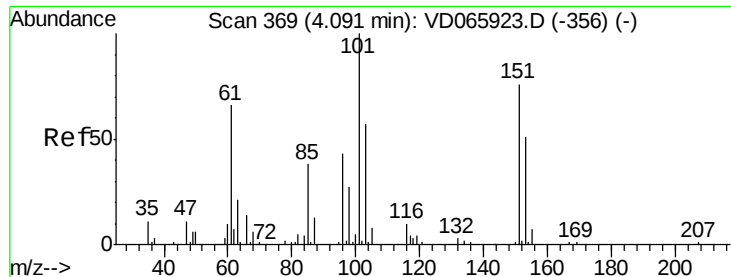


#8

Diethyl Ether
 Concen: 20.072 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Tgt Ion: 74 Resp: 36457
 Ion Ratio Lower Upper
 74 100
 45 102.2 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.577 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

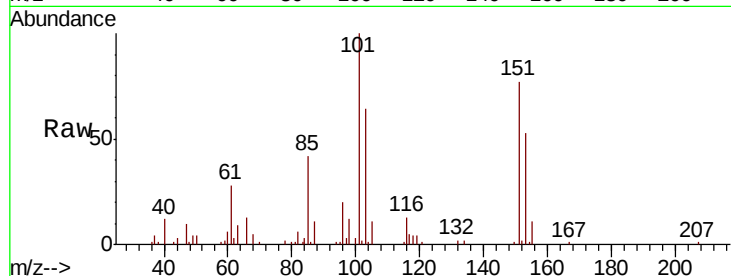
Tot Ion:101 Resp: 81487

Ion Ratio Lower Upper

101 100

85 39.9 33.8 50.8

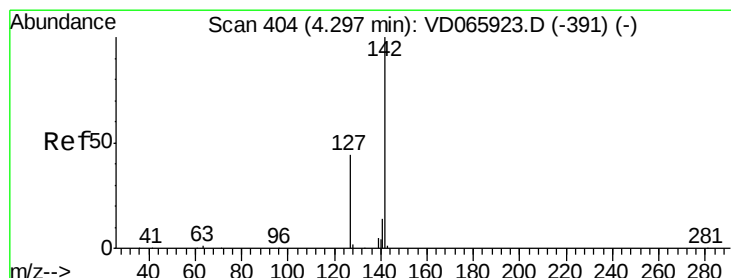
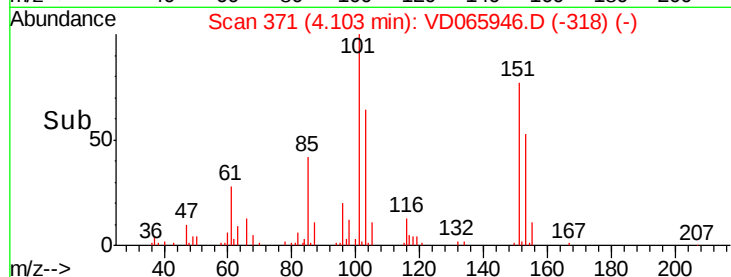
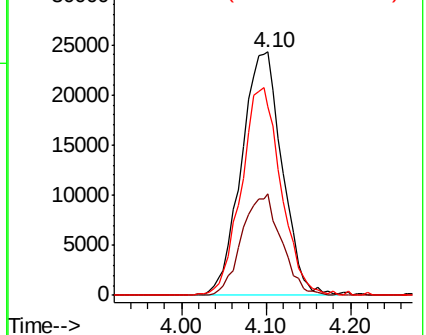
151 83.1 64.1 96.1



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: 21.272 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

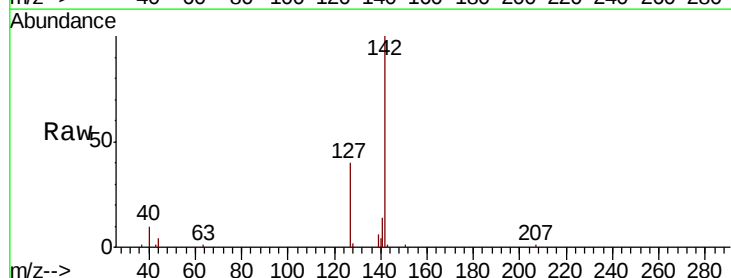
Tgt Ion:142 Resp: 82387

Ion Ratio Lower Upper

142 100

127 41.5 34.6 51.8

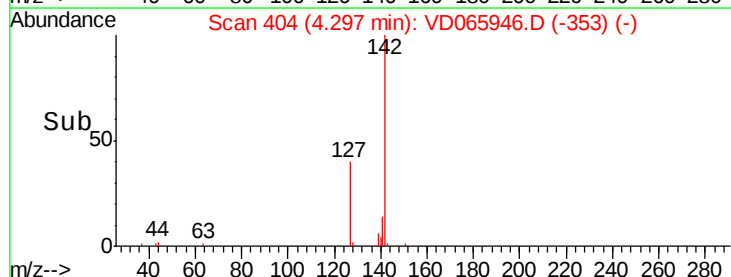
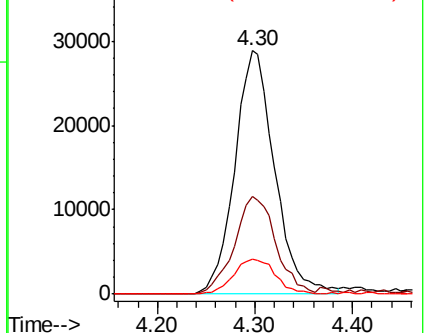
141 15.2 11.6 17.4

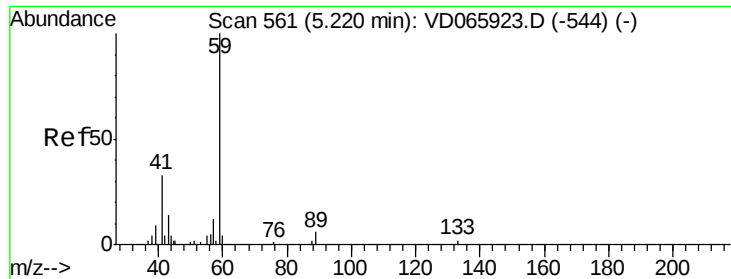


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



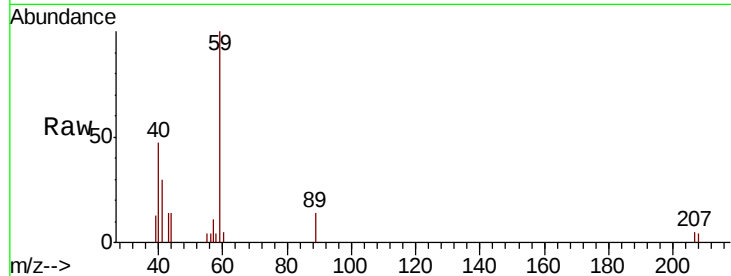


#11

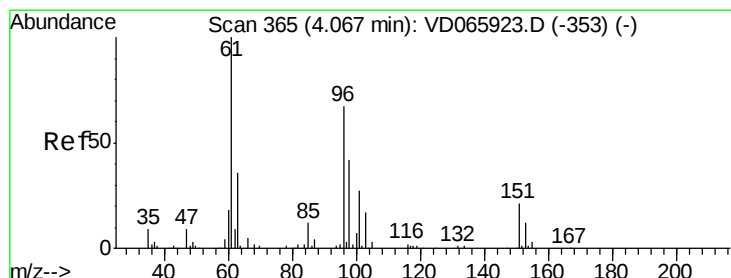
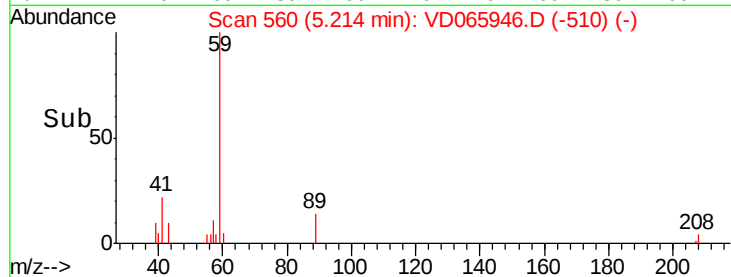
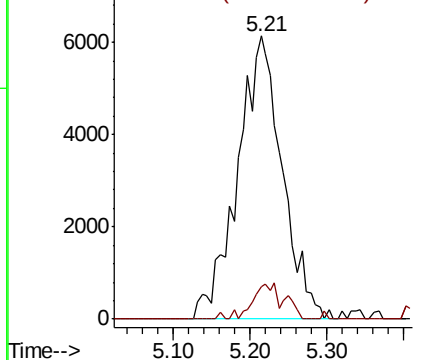
Tert butyl alcohol
 Concen: 102.856 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 24783
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.7 13.1#



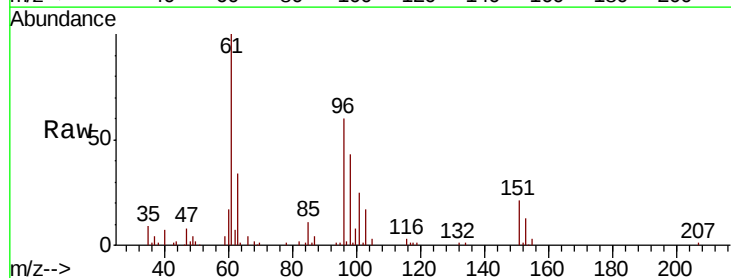
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



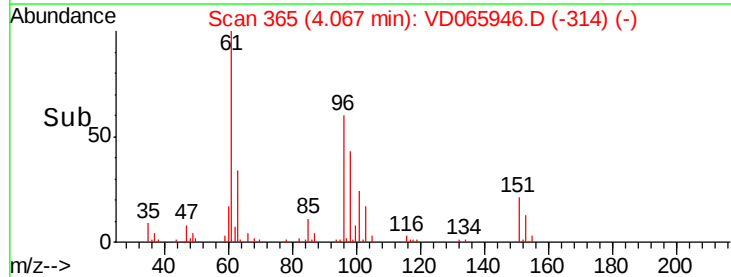
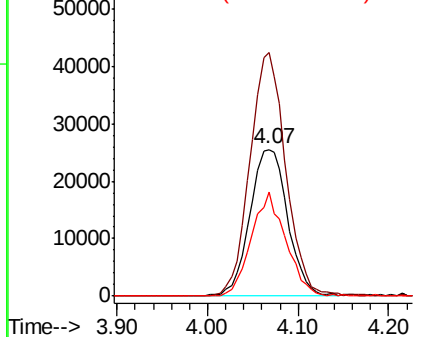
#12

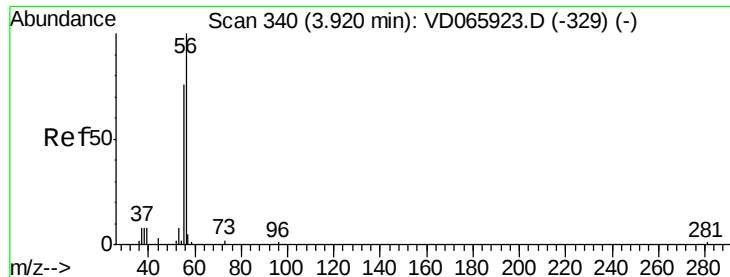
1,1-Dichloroethene
 Concen: 20.016 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Tgt Ion: 96 Resp: 74053
 Ion Ratio Lower Upper
 96 100
 61 165.9 120.2 180.2
 98 71.0 50.6 76.0



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





#13

Acrolein

Concen: 98.779 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

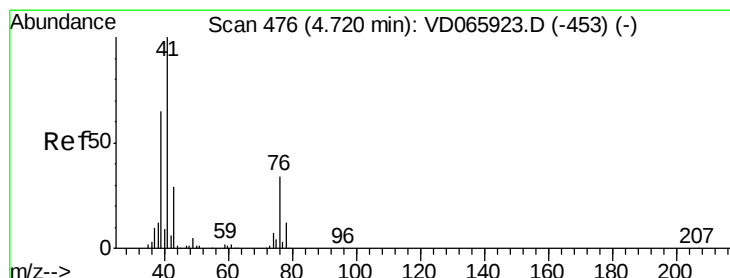
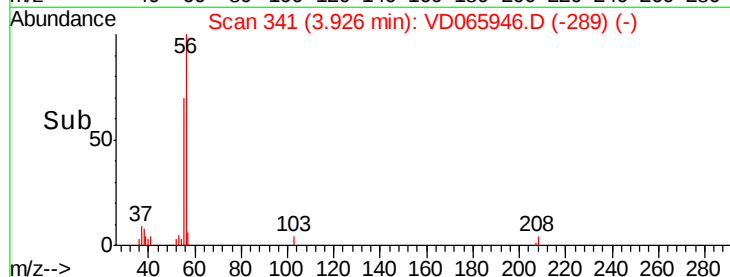
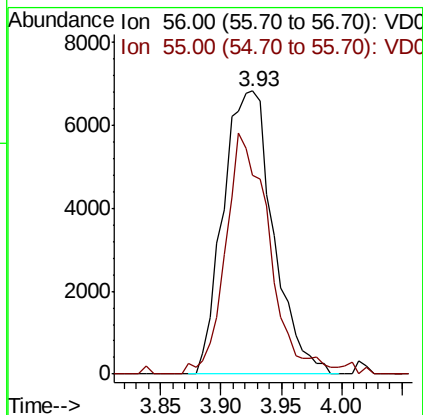
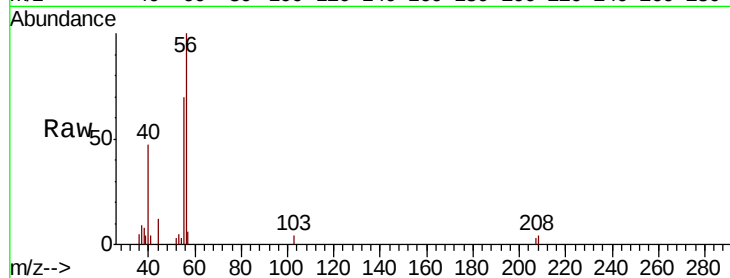
ClientSampleId :

Tot Ion: 56 Resp: 19640

Ion Ratio Lower Upper

56 100

55 74.6 55.0 82.6



#14

Allyl chloride

Concen: 19.925 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

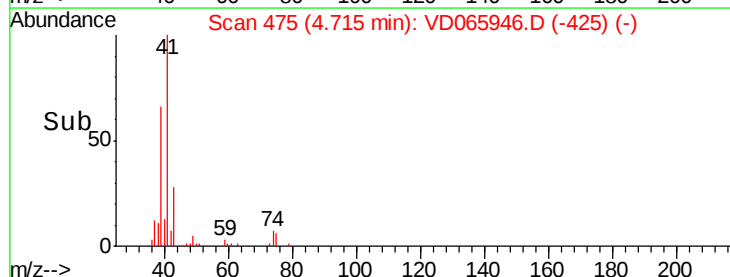
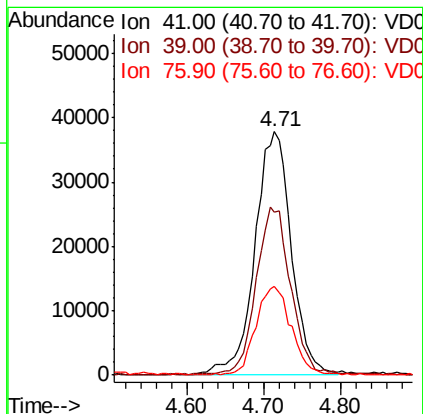
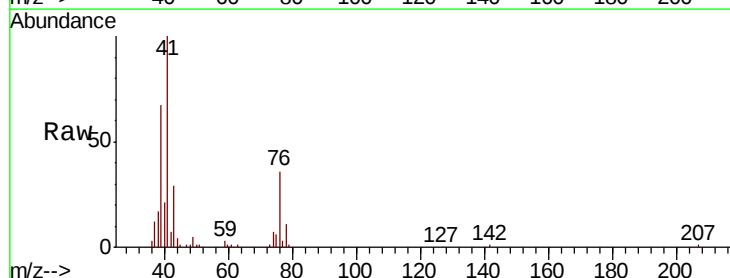
Tgt Ion: 41 Resp: 124923

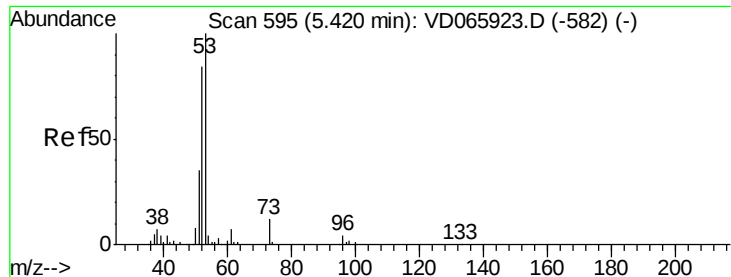
Ion Ratio Lower Upper

41 100

39 65.8 52.2 78.4

76 35.4 28.1 42.1





#15

Acrylonitrile

Concen: 101.832 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :
MSVOA_D
ClientSampled :

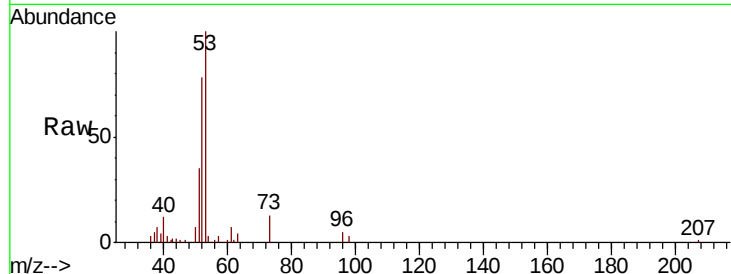
Tot Ion: 53 Resp: 80981

Ion Ratio Lower Upper

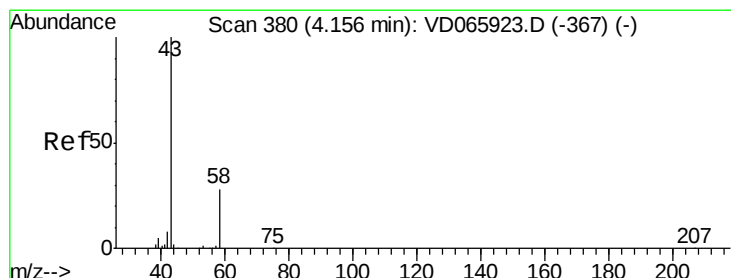
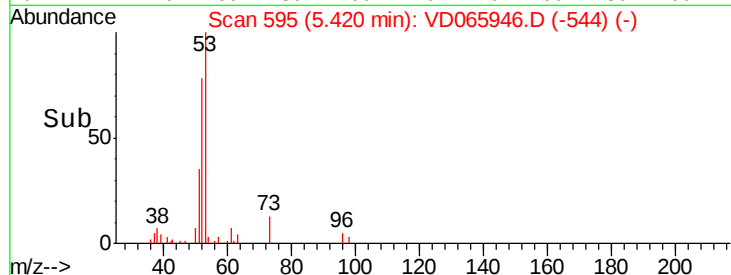
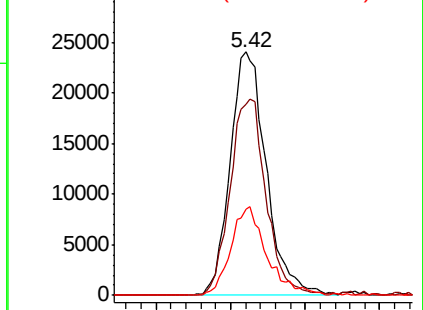
53 100

52 80.2 66.3 99.5

51 35.8 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 86.542 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065946.D

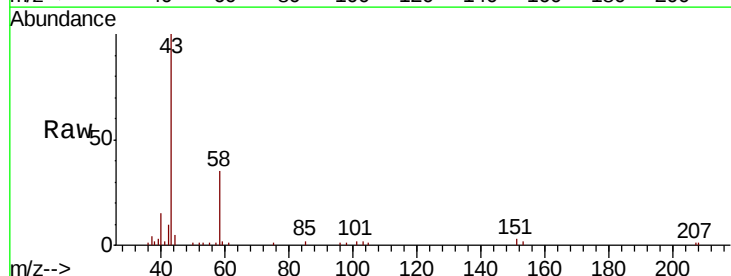
Acq: 10 Jul 2020 13:56

Tgt Ion: 43 Resp: 68616

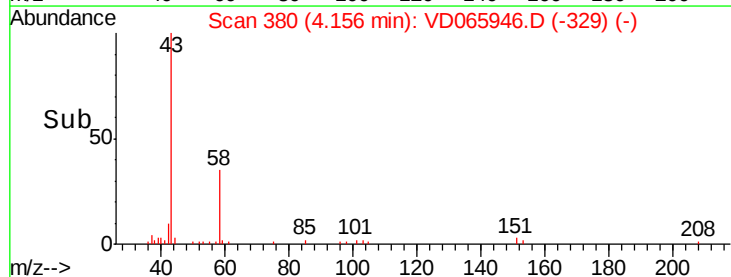
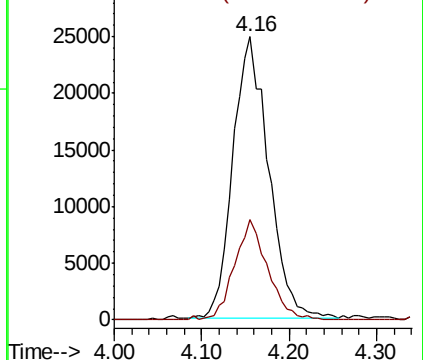
Ion Ratio Lower Upper

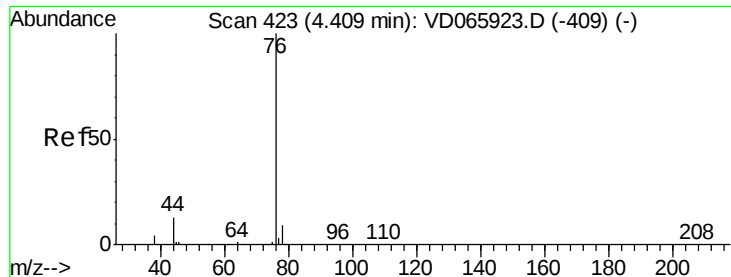
43 100

58 35.7 22.7 34.1#



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

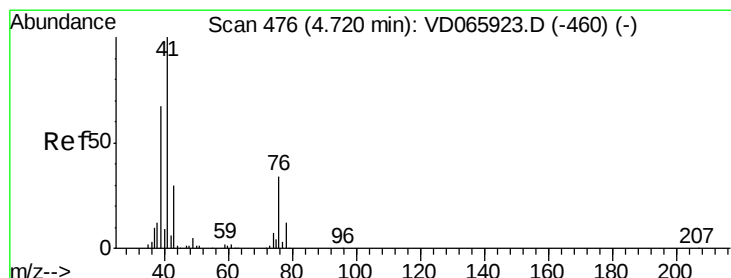
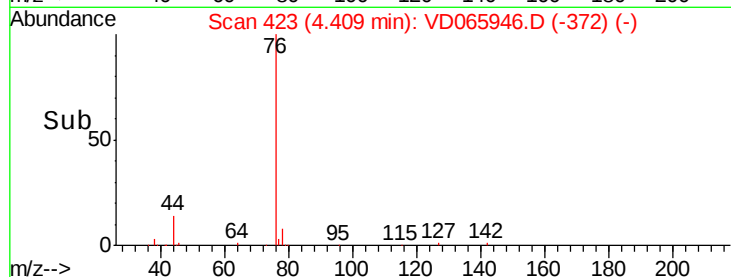
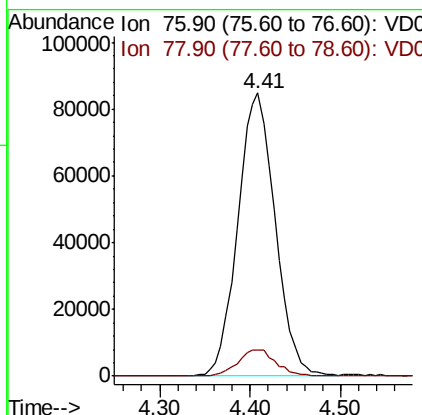
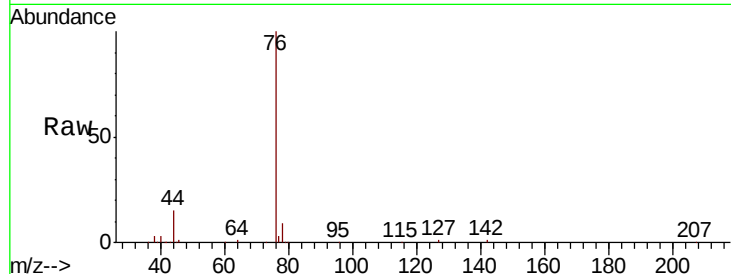




#17
Carbon Disulfide
Concen: 20.599 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

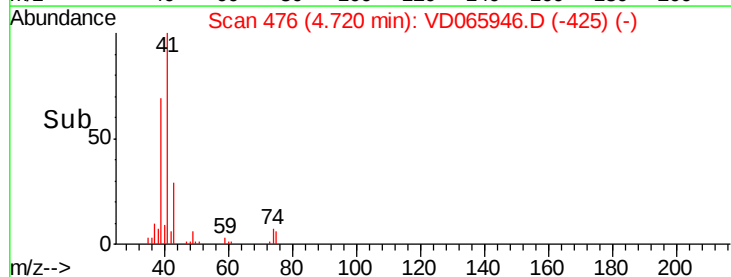
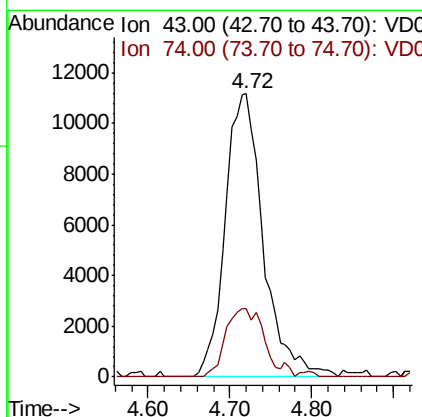
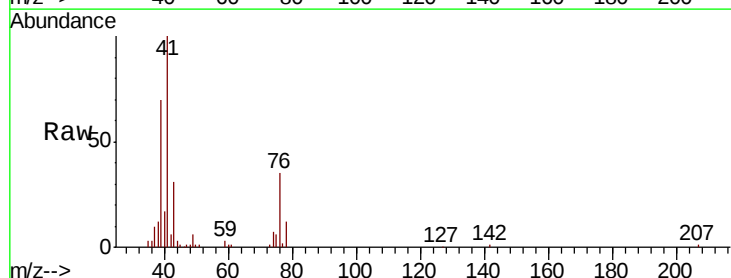
Instrument :
MSVOA_D
ClientSampleId :

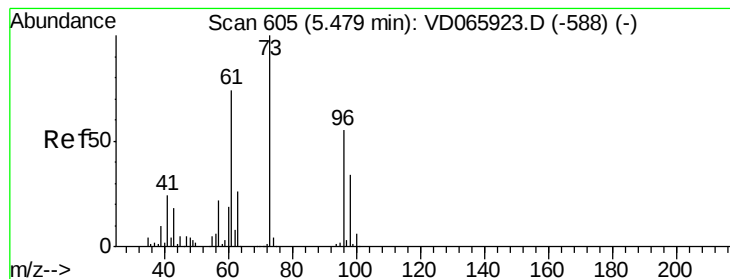
Tot Ion: 76 Resp: 242829
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 19.480 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 43 Resp: 36204
Ion Ratio Lower Upper
43 100
74 23.6 17.8 26.8



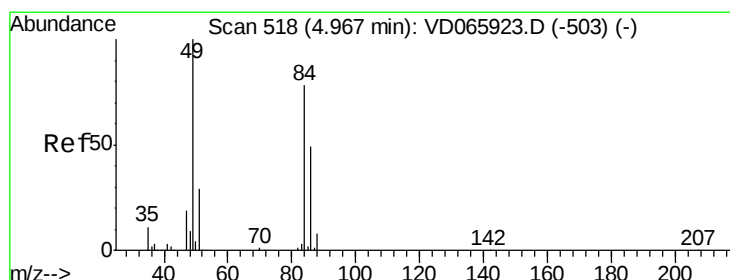
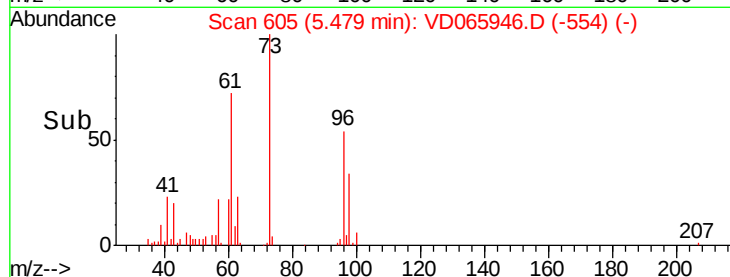
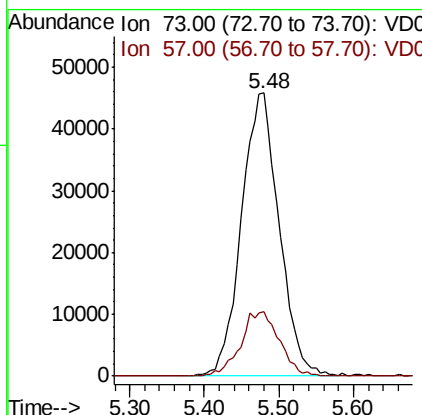
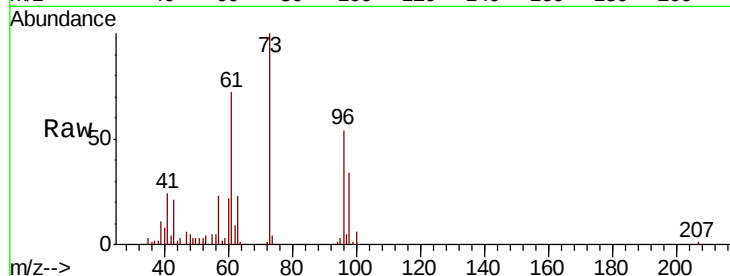


#19

Methyl tert-butyl Ether
 Concen: 20.470 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Instrument :
 MSVOA_D
 ClientSampled :

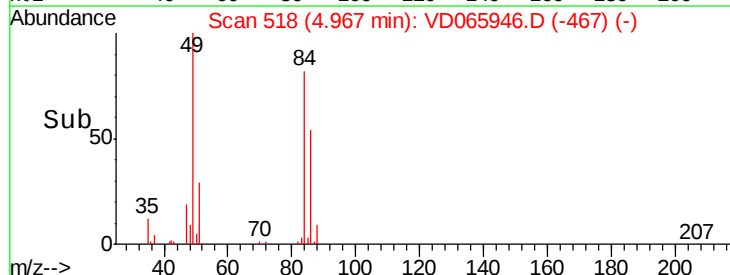
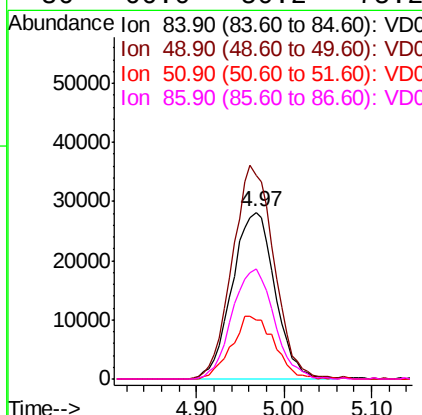
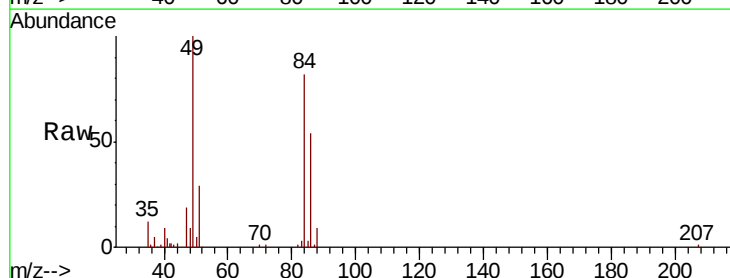
Tot Ion: 73 Resp: 160333
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.7 26.5

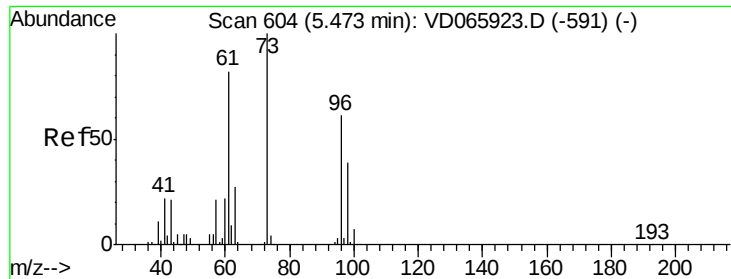


#20

Methylene Chloride
 Concen: 15.413 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Tgt Ion: 84 Resp: 93713
 Ion Ratio Lower Upper
 84 100
 49 122.4 102.2 153.2
 51 35.6 29.8 44.6
 86 66.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.424 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

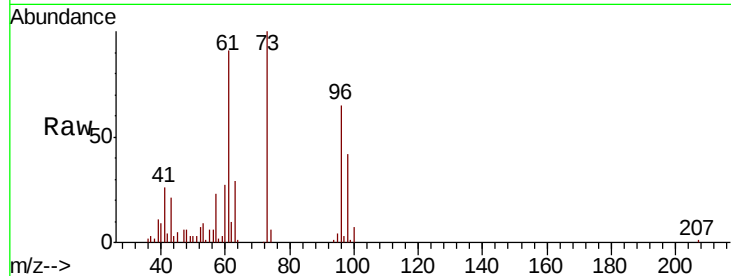
Tot Ion: 96 Resp: 85016

Ion Ratio Lower Upper

96 100

61 140.1 106.6 160.0

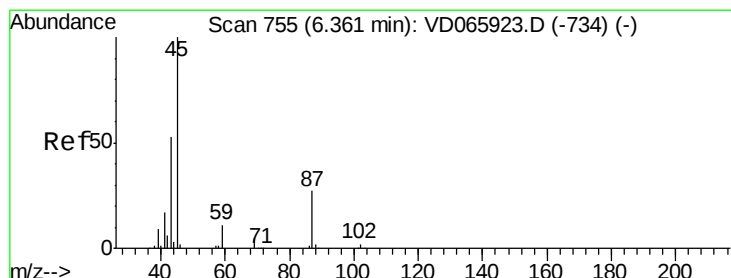
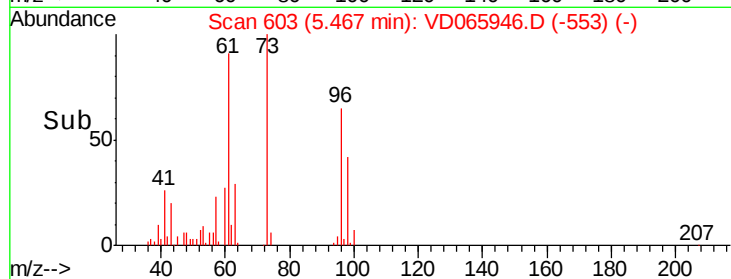
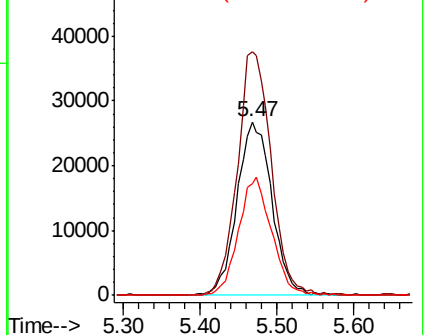
98 64.3 51.0 76.6



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: 20.522 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Tgt Ion: 45 Resp: 241800

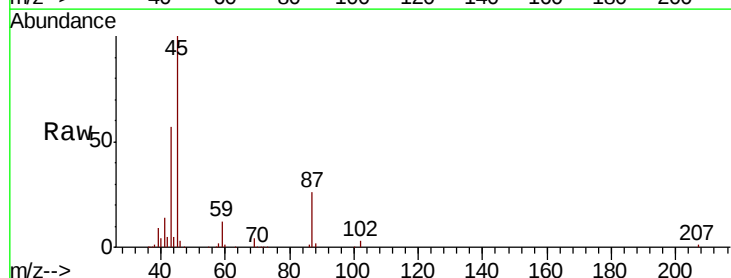
Ion Ratio Lower Upper

45 100

43 56.1 42.5 63.7

87 25.7 22.2 33.2

59 11.9 8.9 13.3

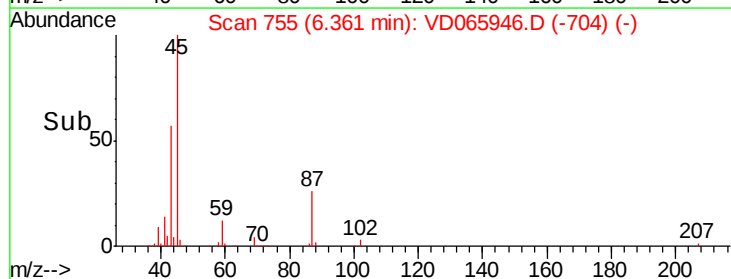
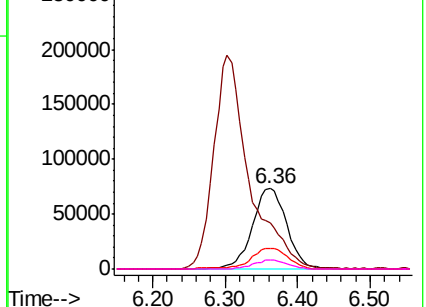


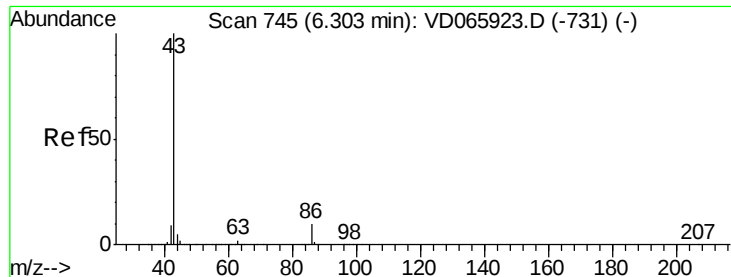
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 99.021 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

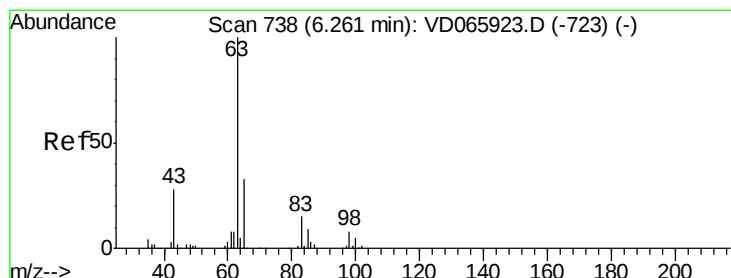
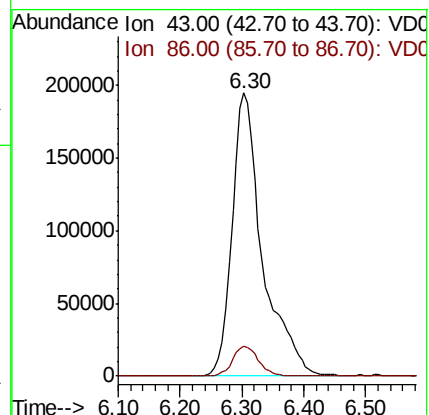
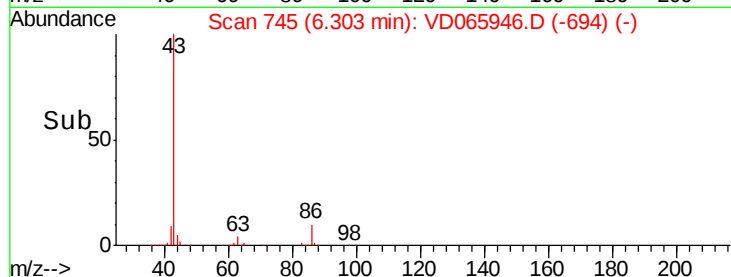
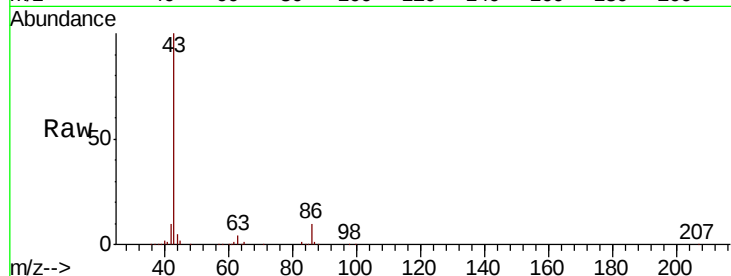
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 665944

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 20.529 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

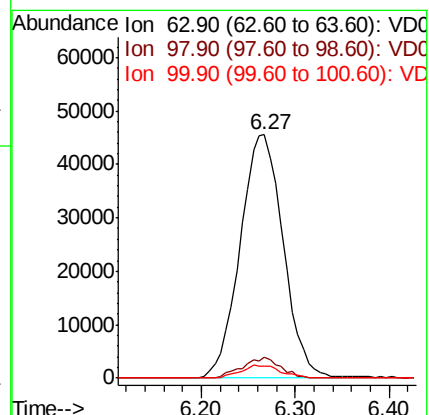
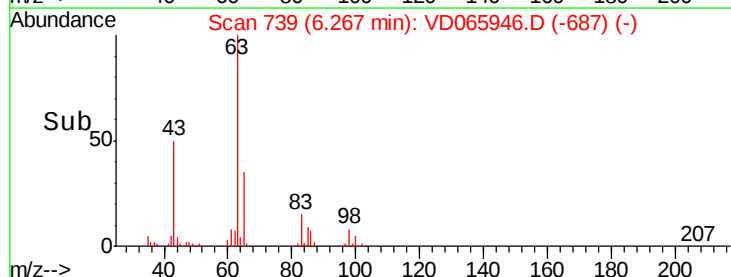
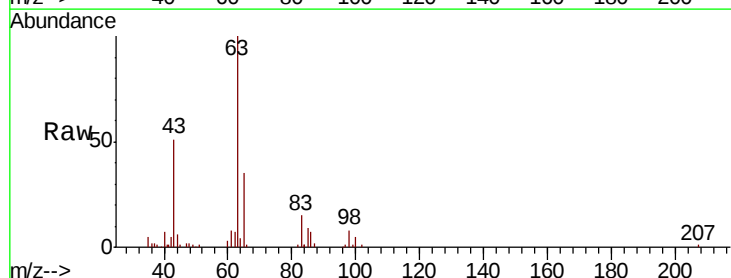
Tgt Ion: 63 Resp: 144228

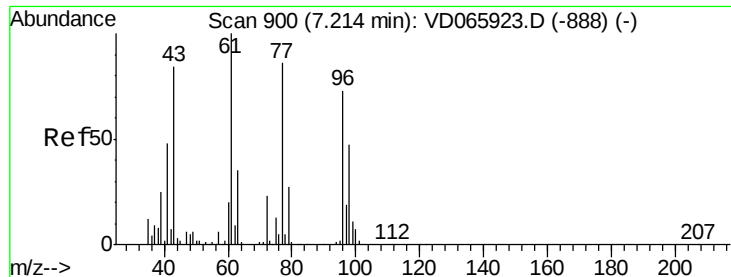
Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.4

100 5.1 2.5 7.5





#25

2-Butanone

Concen: 92.184 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

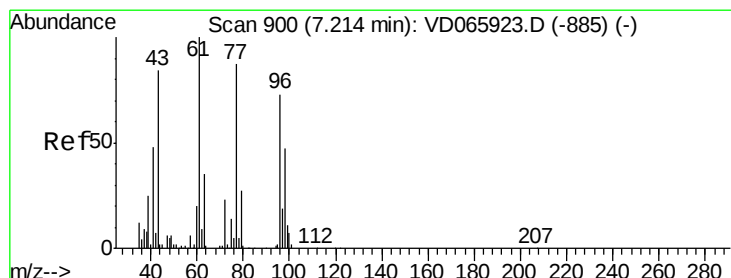
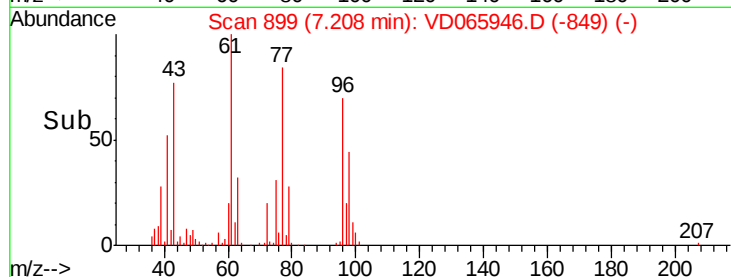
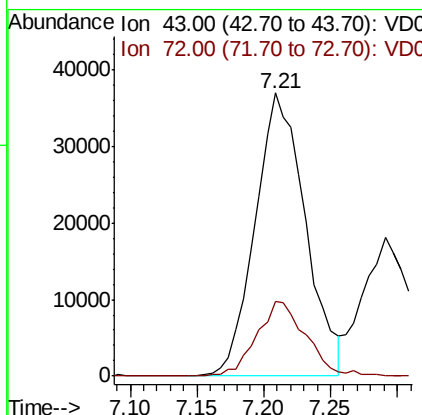
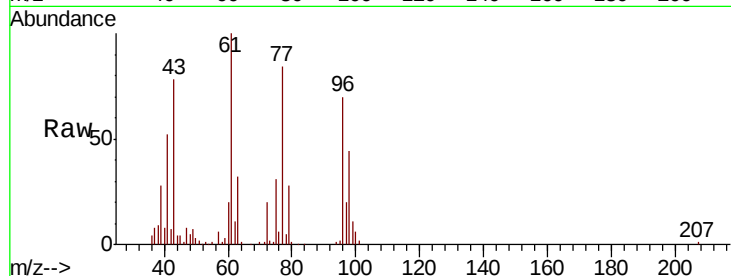
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 96581

Ion Ratio Lower Upper

43 100

72 26.2 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.067 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065946.D

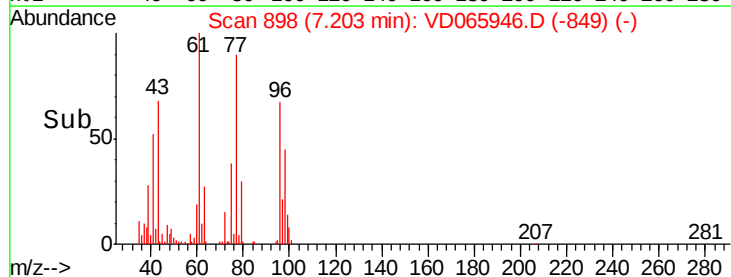
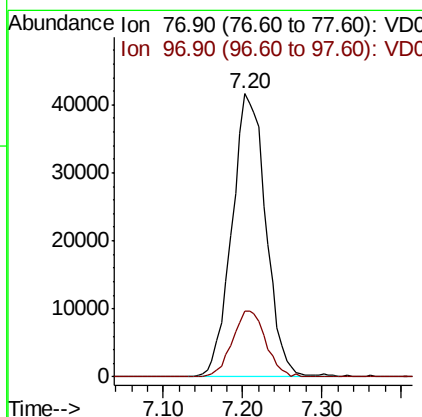
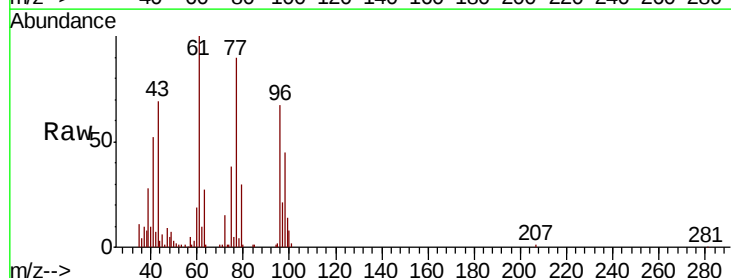
Acq: 10 Jul 2020 13:56

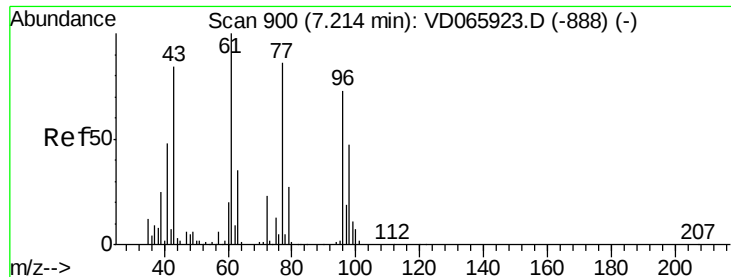
Tgt Ion: 77 Resp: 123337

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.8



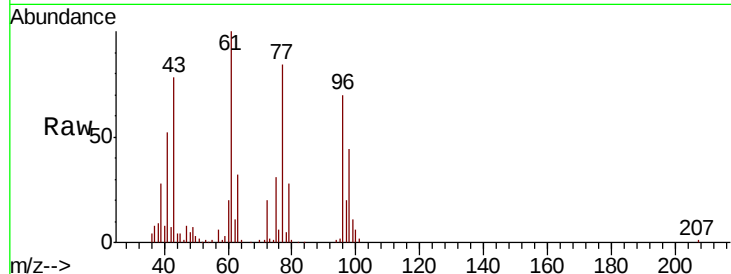


#27

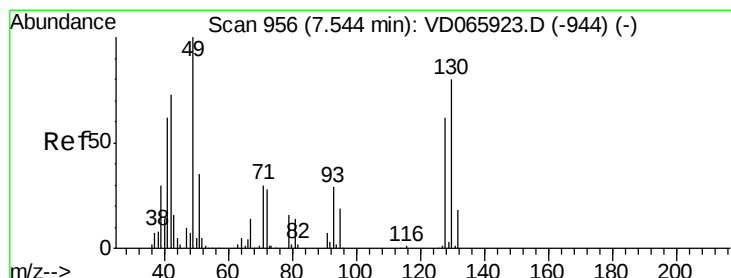
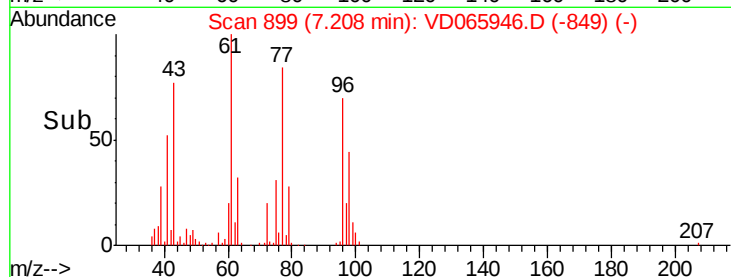
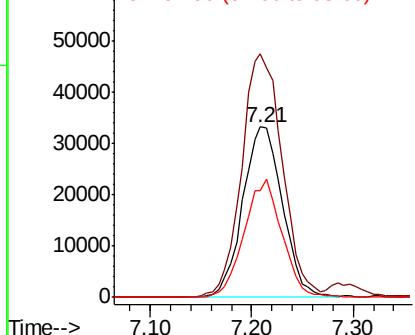
cis-1,2-Dichloroethene
Concen: 20.248 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 90555
Ion Ratio Lower Upper
96 100
61 145.5 0.0 286.6
98 65.4 0.0 128.2



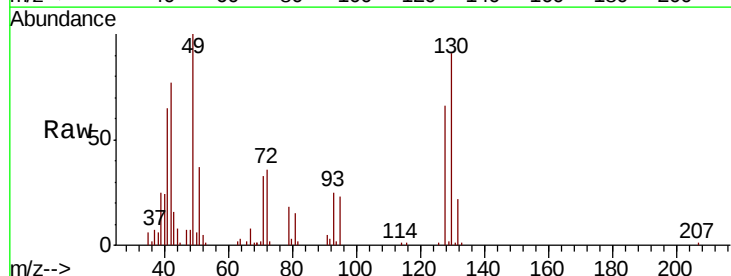
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



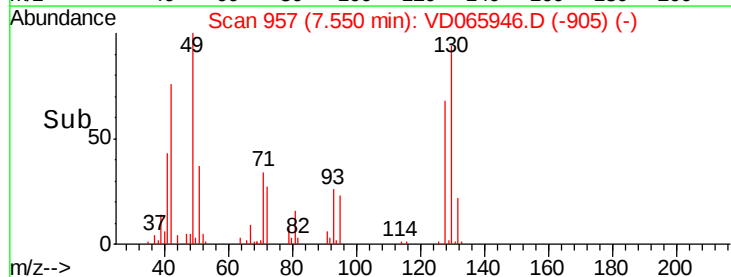
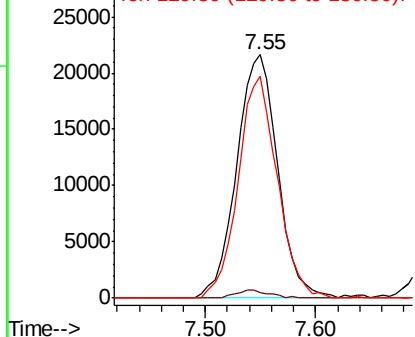
#28

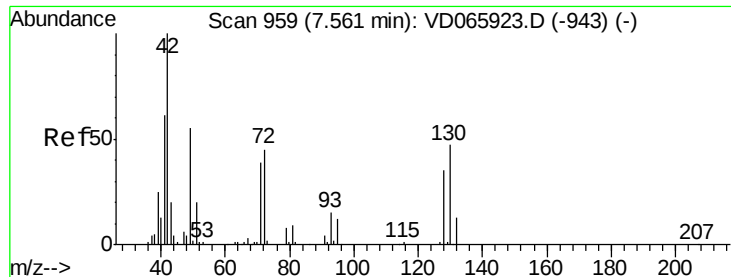
Bromochloromethane
Concen: 21.199 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 49 Resp: 56264
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.8
130 87.0 65.8 98.8



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

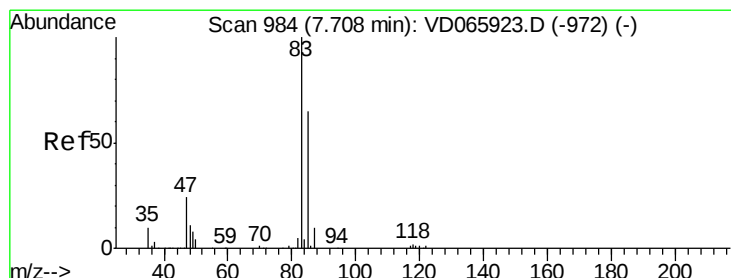
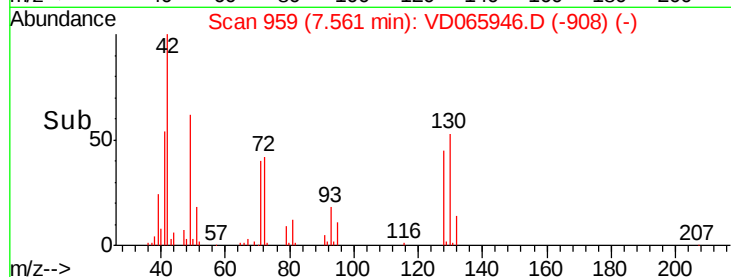
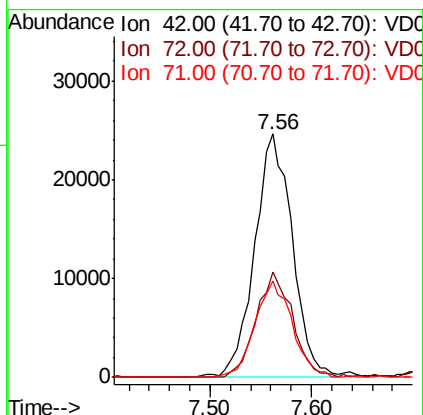
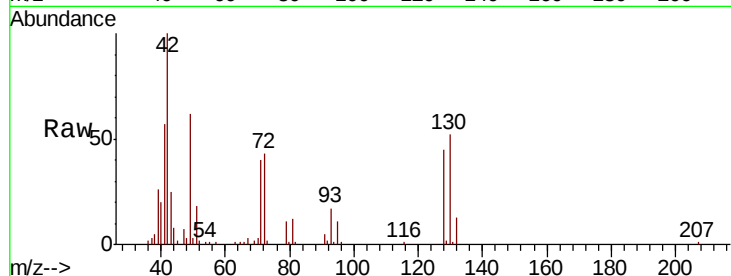




#29
Tetrahydrofuran
Concen: 95.578 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

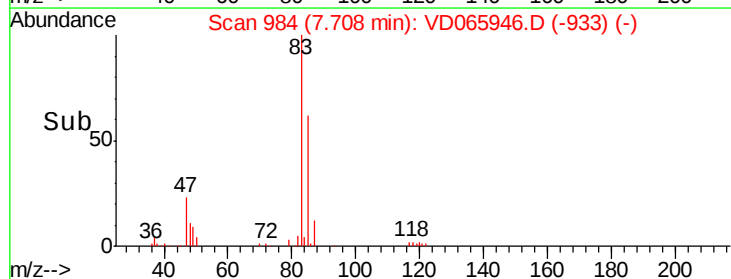
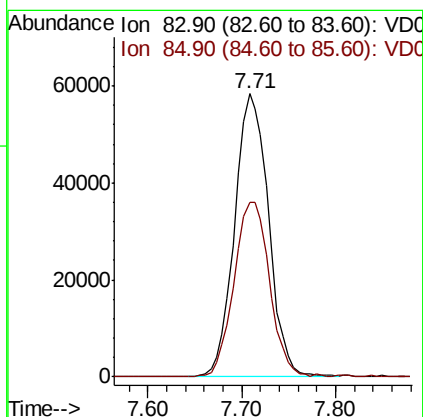
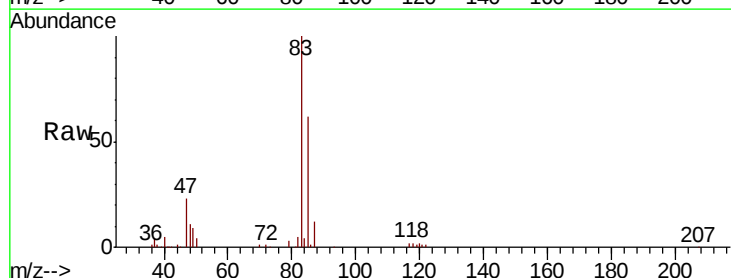
Instrument :
MSVOA_D
ClientSampleId :

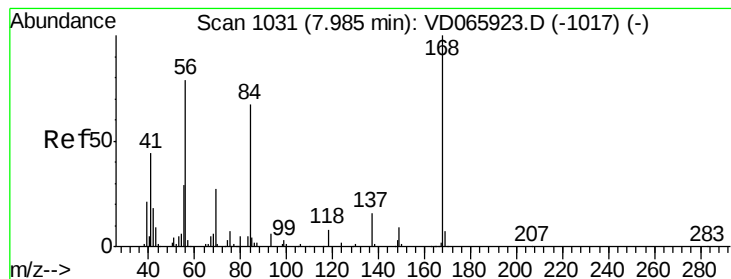
Tot Ion: 42 Resp: 63675
Ion Ratio Lower Upper
42 100
72 41.8 32.8 49.2
71 39.4 31.0 46.4



#30
Chloroform
Concen: 20.528 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 83 Resp: 146210
Ion Ratio Lower Upper
83 100
85 61.6 51.6 77.4





#31

Cyclohexane

Concen: 19.818 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampled :

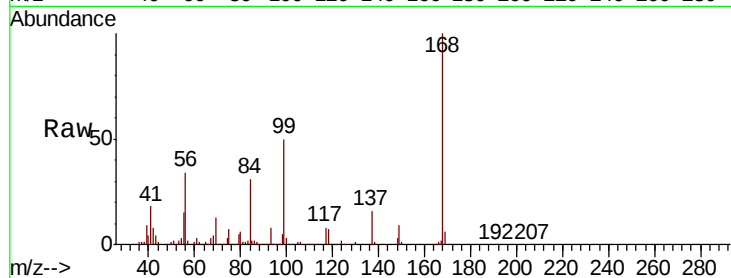
Tot Ion: 56 Resp: 136992

Ion Ratio Lower Upper

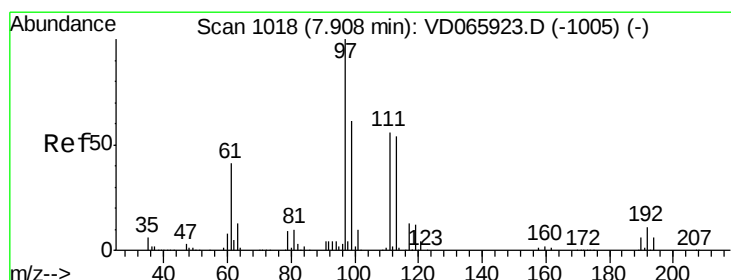
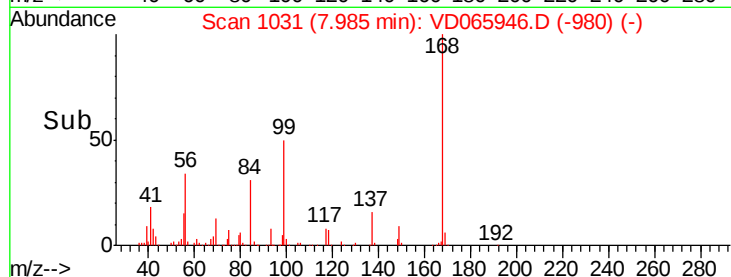
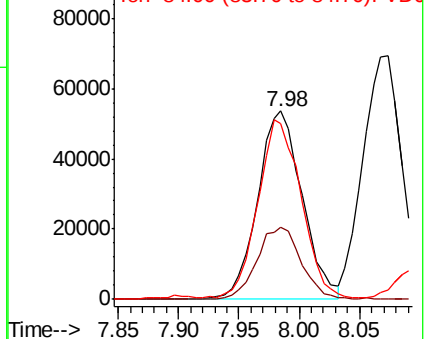
56 100

69 38.0 27.4 41.0

84 92.0 68.6 102.8



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: 20.649 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

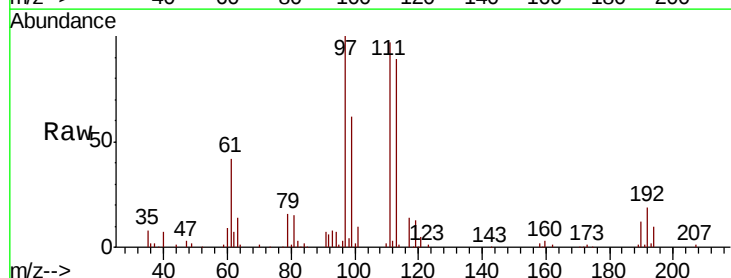
Tgt Ion: 97 Resp: 134218

Ion Ratio Lower Upper

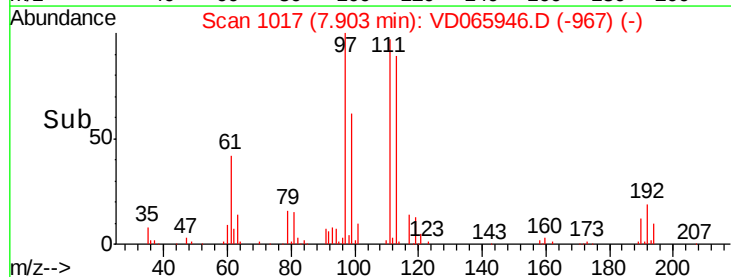
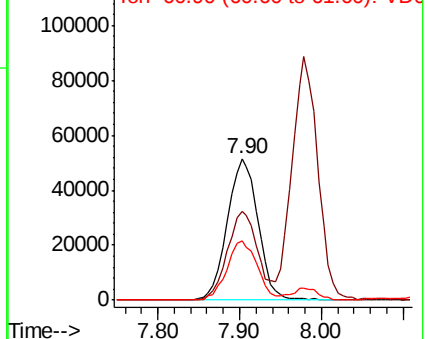
97 100

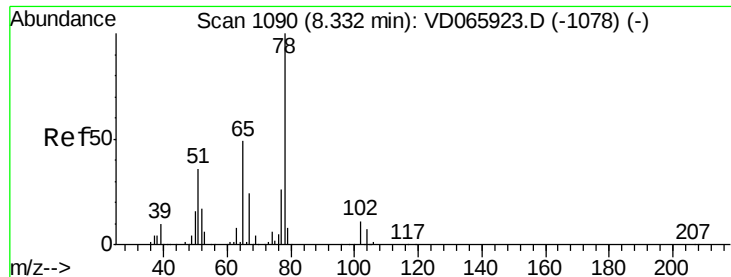
99 63.2 51.6 77.4

61 41.5 33.6 50.4



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: 44.033 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

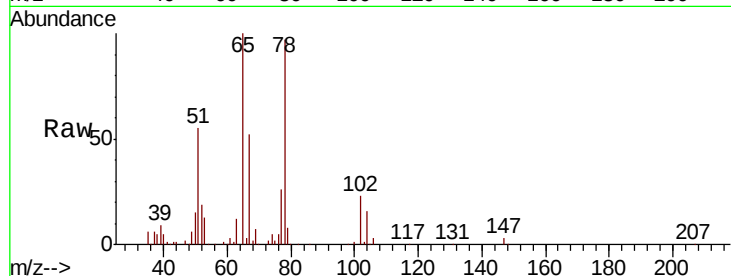
ClientSampleId :

Tot Ion: 65 Resp: 148968

Ion Ratio Lower Upper

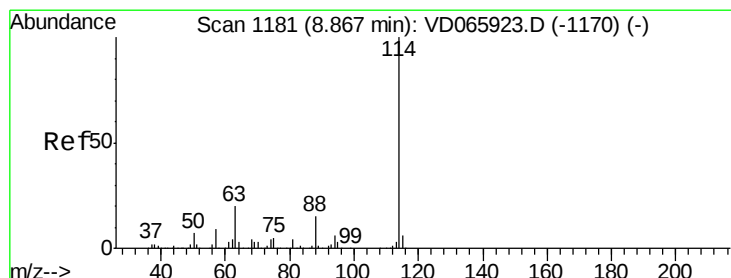
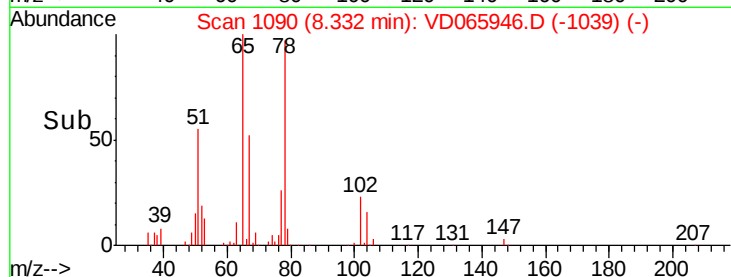
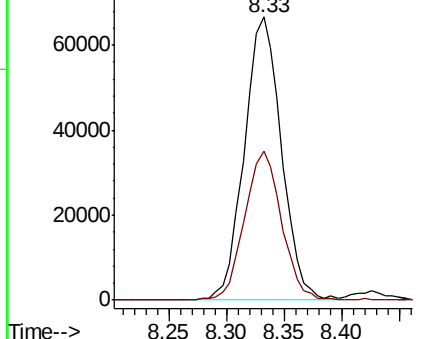
65 100

67 52.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

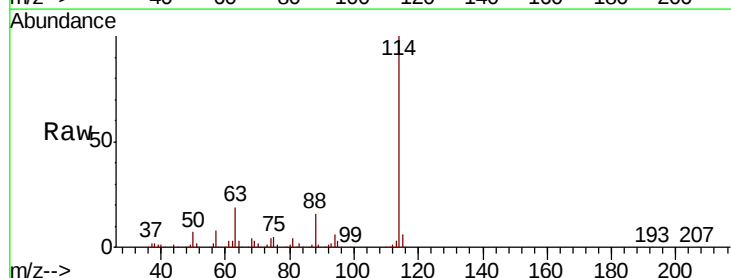
Tgt Ion: 114 Resp: 560462

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

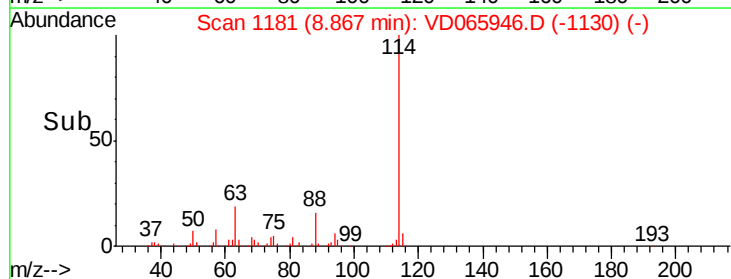
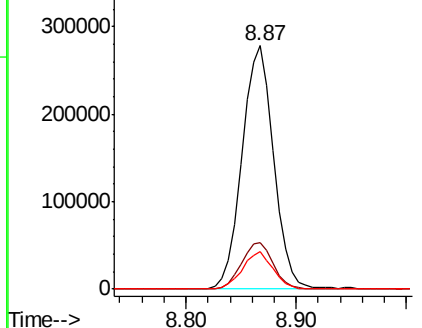
88 15.6 0.0 30.0

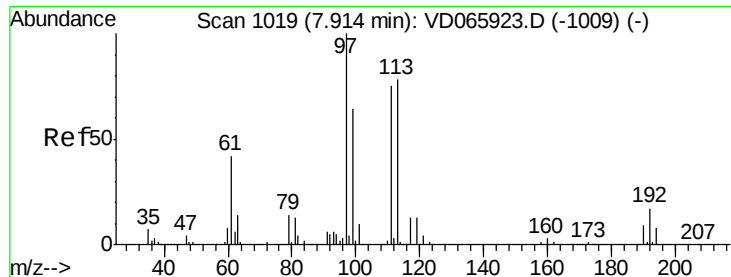


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

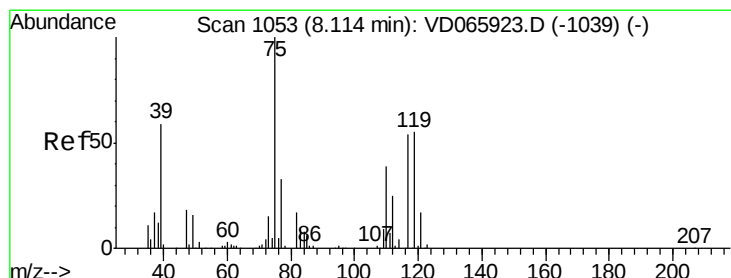
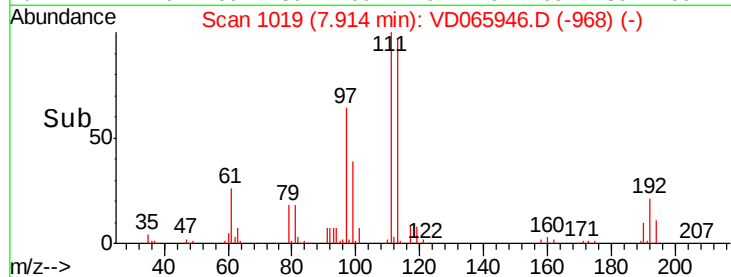
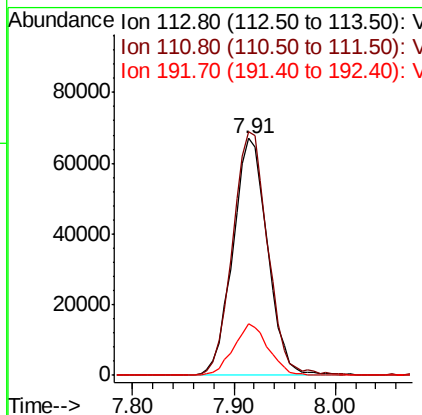
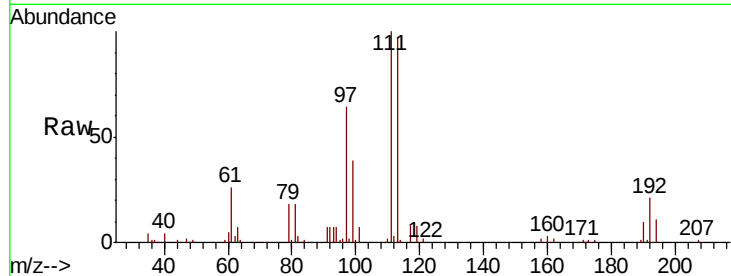




#35
 Dibromofluoromethane
 Concen: 45.984 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

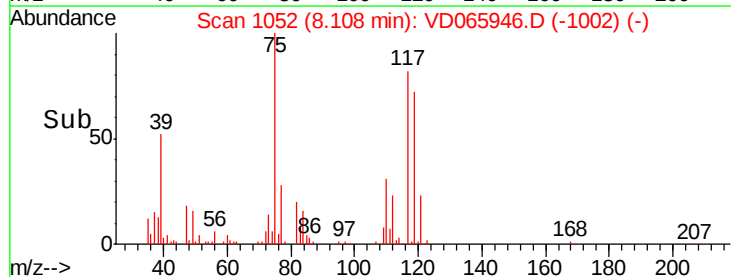
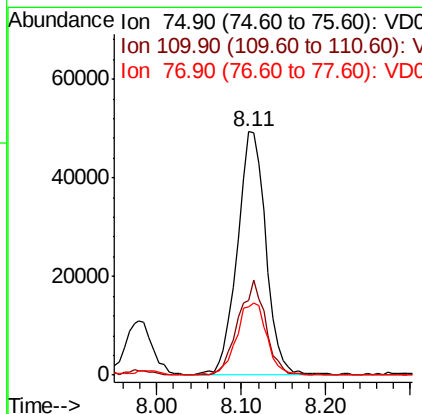
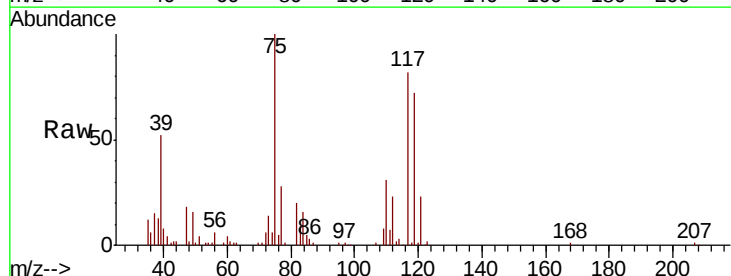
Instrument :
 MSVOA_D
 ClientSampleId :

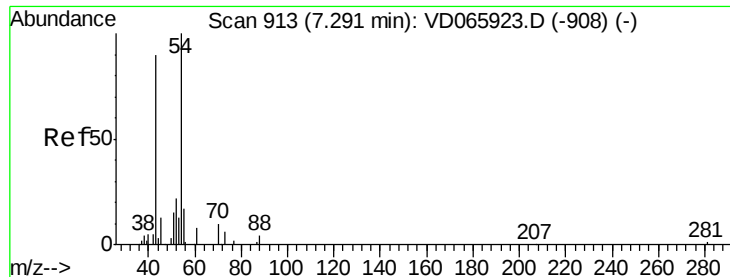
Tot Ion:113 Resp: 158986
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.9 121.3
 192 21.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 20.965 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Tgt Ion: 75 Resp: 116048
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.5 55.5
 77 31.1 25.6 38.4

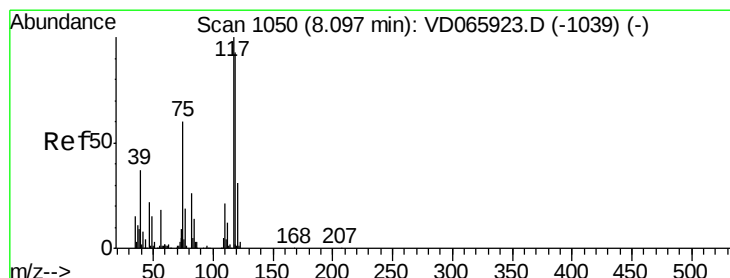
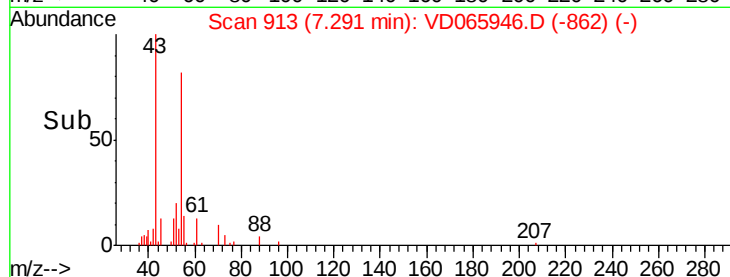
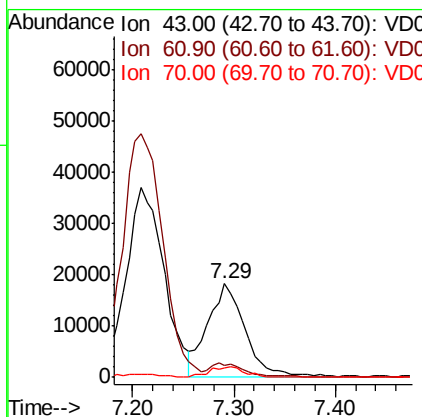
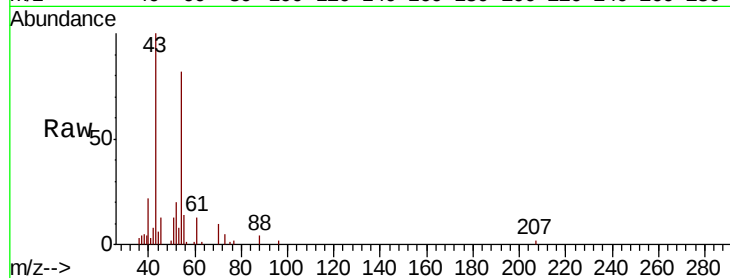




#37
Ethyl Acetate
Concen: 19.917 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

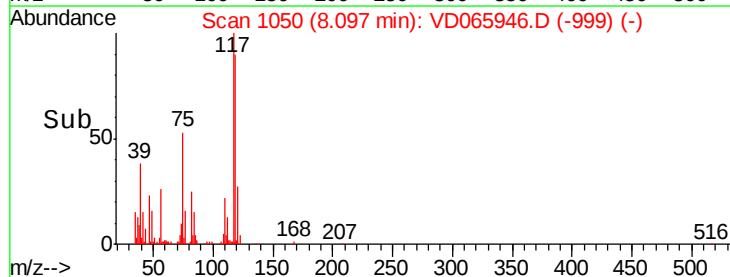
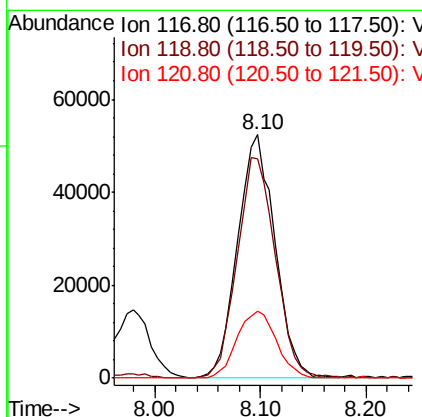
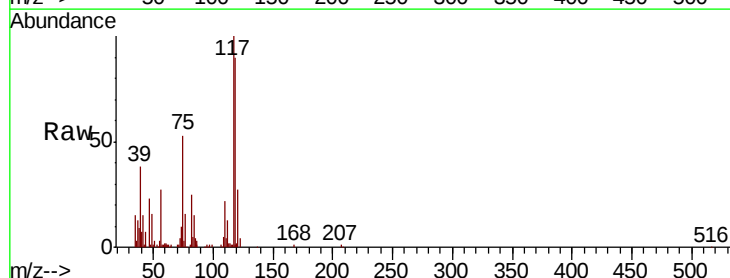
Instrument :
MSVOA_D
ClientSampleId :

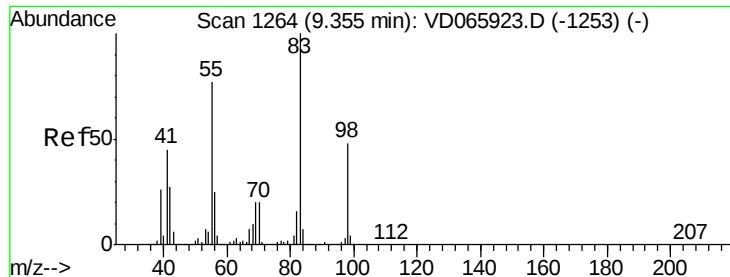
Tot Ion: 43 Resp: 46194
Ion Ratio Lower Upper
43 100
61 12.0 9.4 14.0
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 21.518 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 117 Resp: 127665
Ion Ratio Lower Upper
117 100
119 90.4 74.7 112.1
121 27.4 24.9 37.3

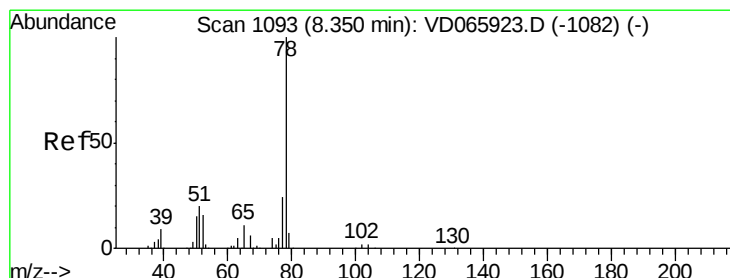
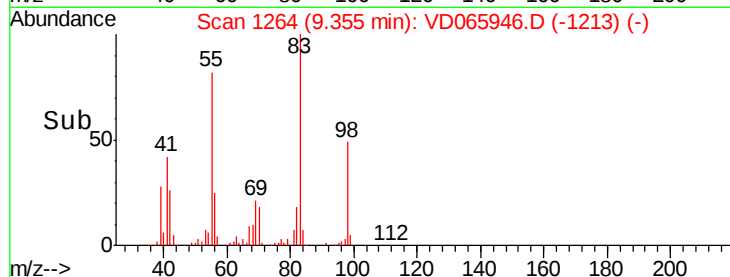
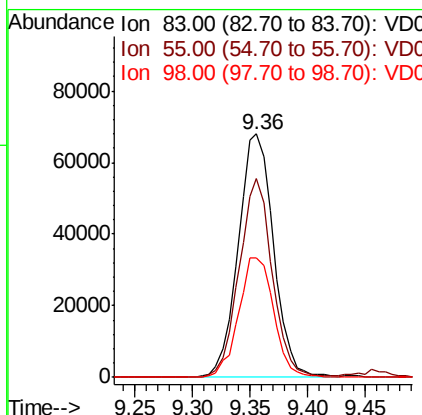
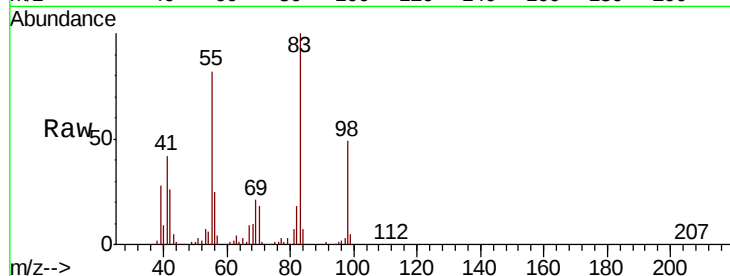




#39
Methvlcvclohexane
Concen: 21.282 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

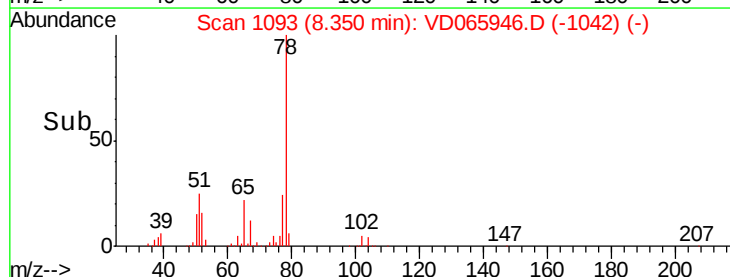
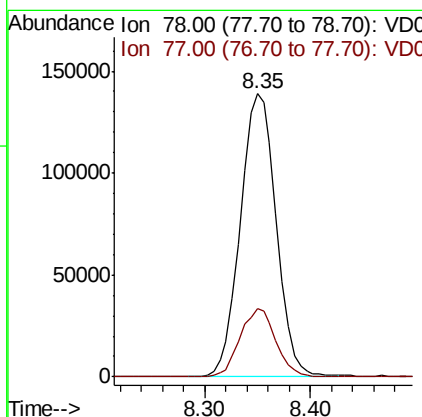
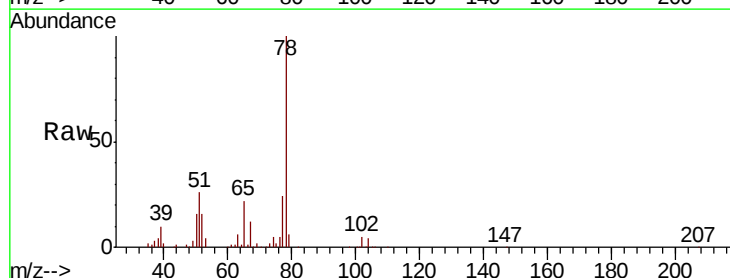
Instrument :
MSVOA_D
ClientSampled :

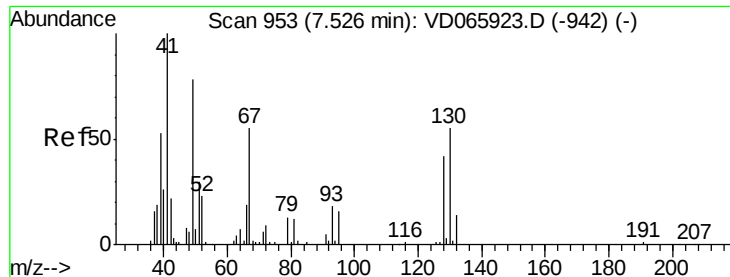
Tot Ion: 83 Resp: 144627
Ion Ratio Lower Upper
83 100
55 81.6 61.7 92.5
98 49.0 38.6 58.0



#40
Benzene
Concen: 21.387 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 78 Resp: 327061
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0

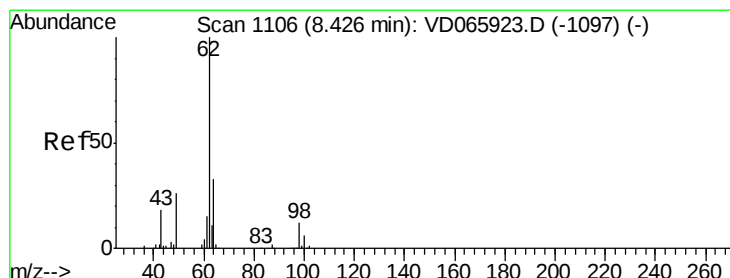
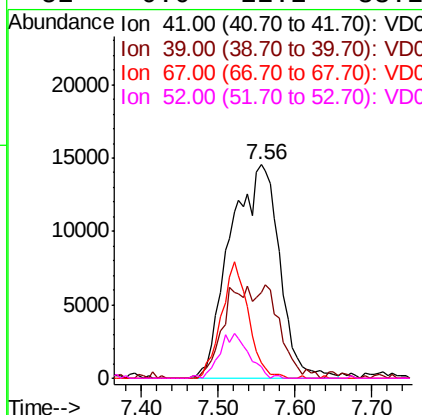
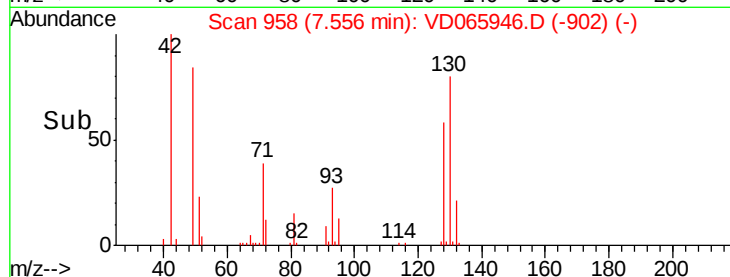
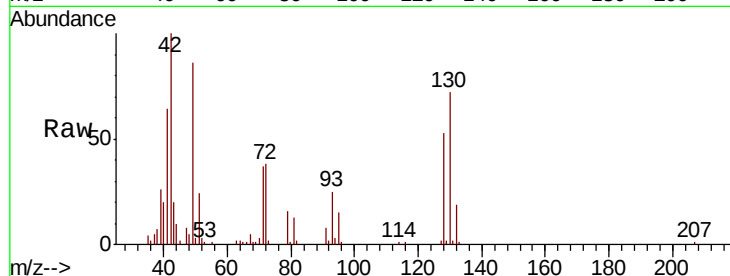




#41
Methacrylonitrile
Concen: 48.276 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

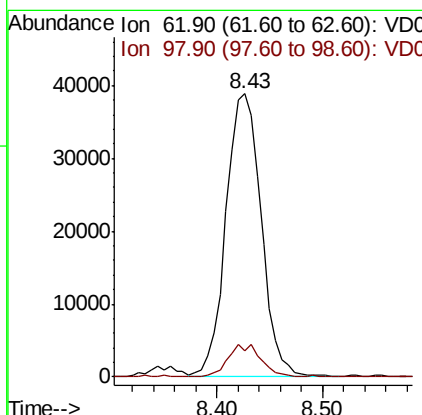
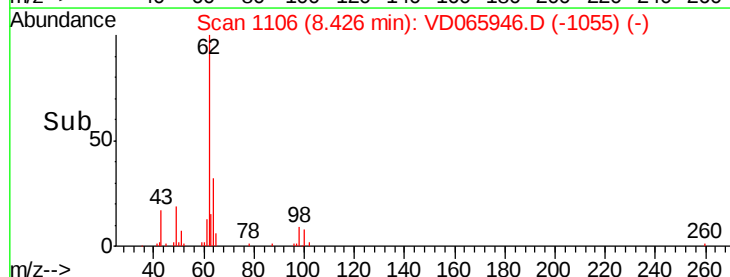
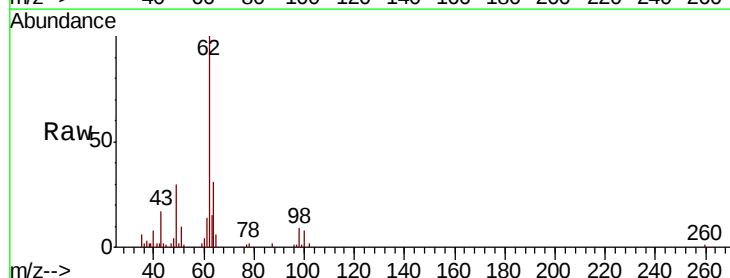
Instrument :
MSVOA_D
ClientSampleId :

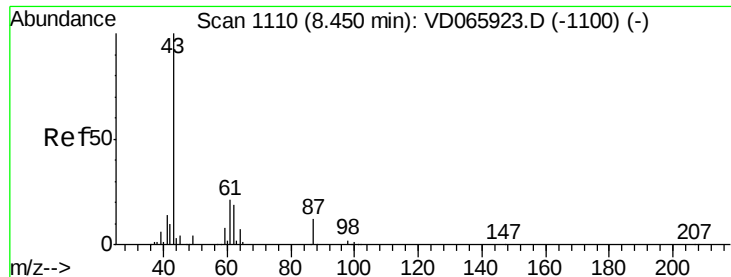
Tot Ion: 41 Resp: 65007
Ion Ratio Lower Upper
41 100
39 0.0 42.4 63.6#
67 0.0 53.6 80.4#
52 0.0 22.2 33.2#



#42
1,2-Dichloroethane
Concen: 20.736 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 62 Resp: 89834
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.0





#43

Isopropyl Acetate

Concen: 19.441 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

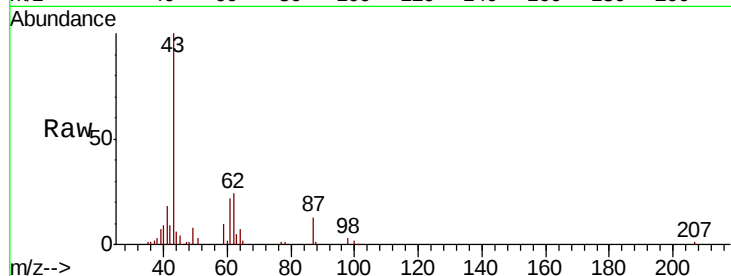
Tot Ion: 43 Resp: 83928

Ion Ratio Lower Upper

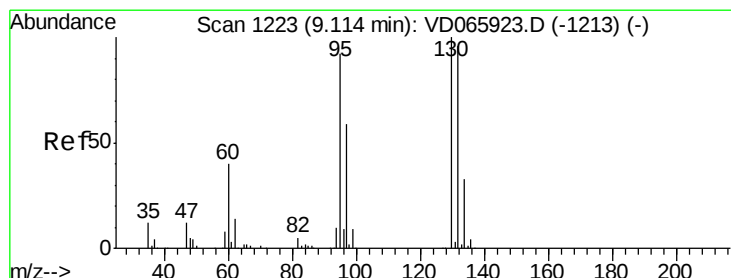
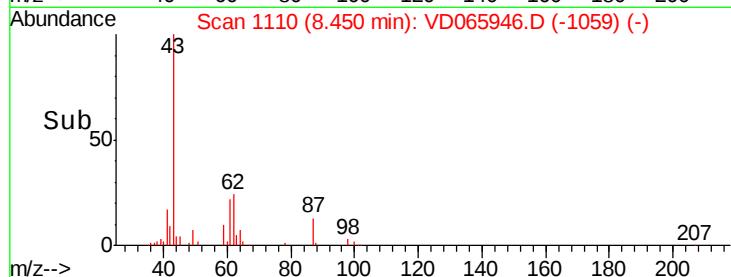
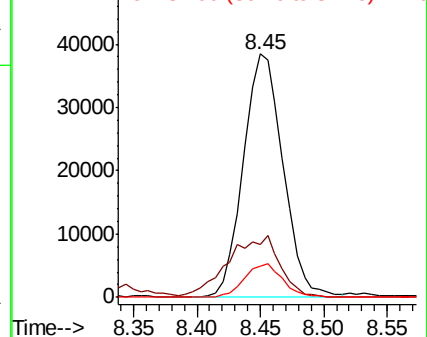
43 100

61 33.0 23.2 34.8

87 13.1 10.0 15.0



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: 21.791 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065946.D

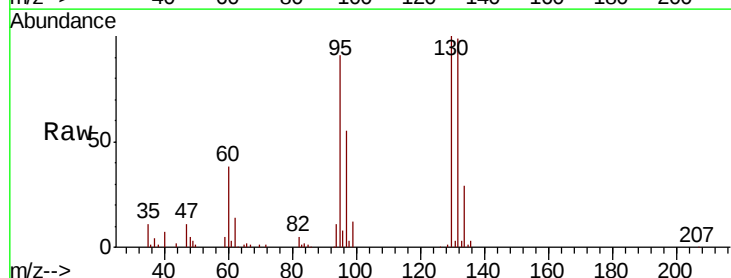
Acq: 10 Jul 2020 13:56

Tgt Ion:130 Resp: 97908

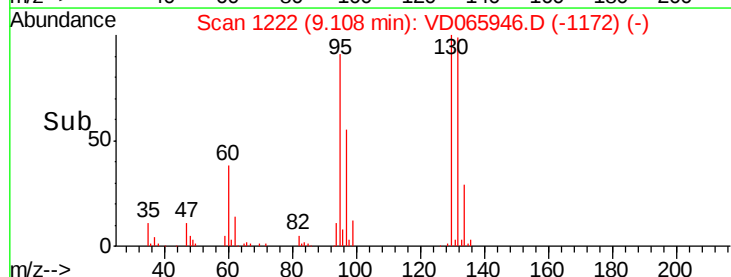
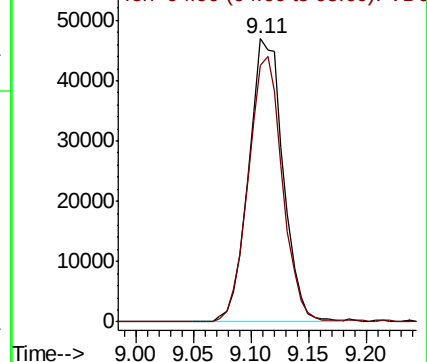
Ion Ratio Lower Upper

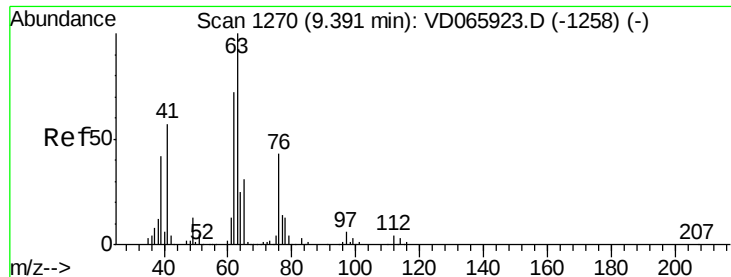
130 100

95 90.6 0.0 184.6



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

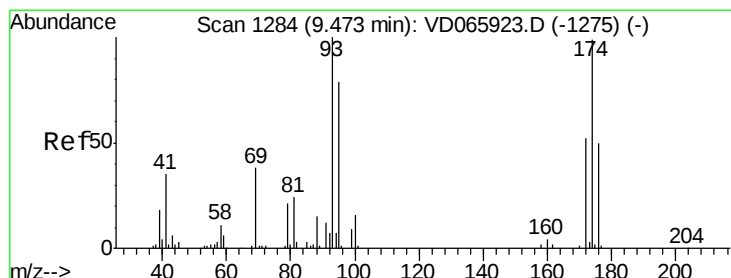
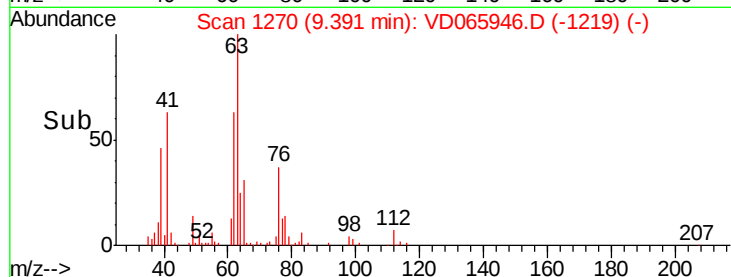
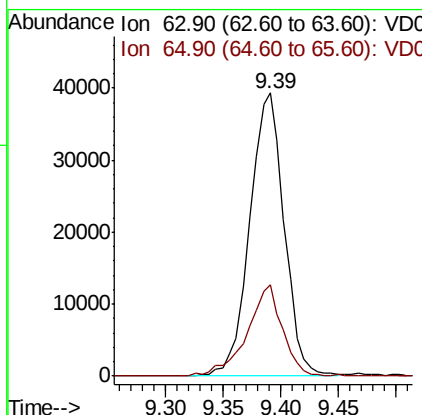
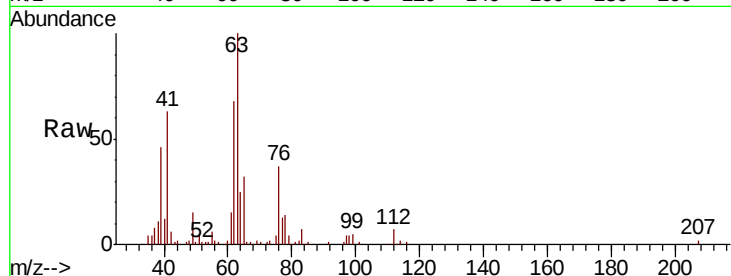




#45
 1,2-Dichloropropane
 Concen: 21.475 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

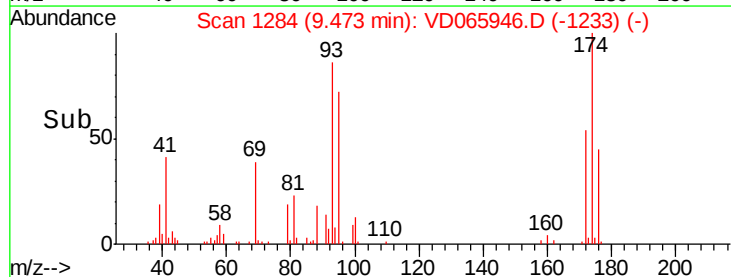
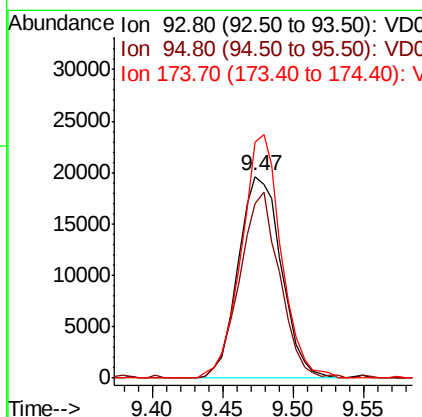
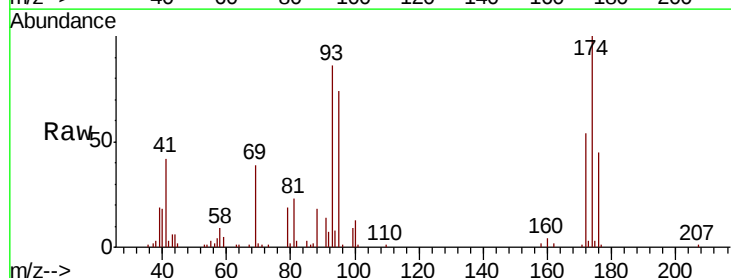
Instrument :
 MSVOA_D
 ClientSampleId :

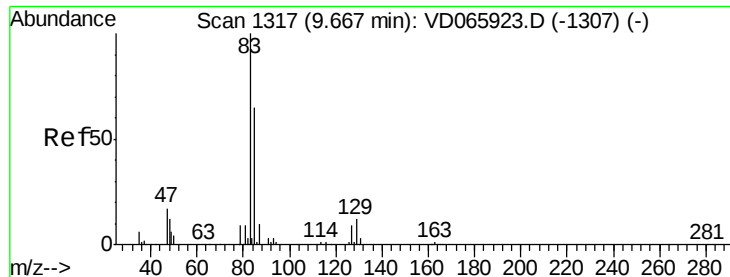
Tot Ion: 63 Resp: 81508
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6



#46
 Dibromomethane
 Concen: 21.187 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Tgt Ion: 93 Resp: 41866
 Ion Ratio Lower Upper
 93 100
 95 85.5 68.2 102.2
 174 111.8 88.0 132.0





#47

Bromodichloromethane

Concen: 21.392 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

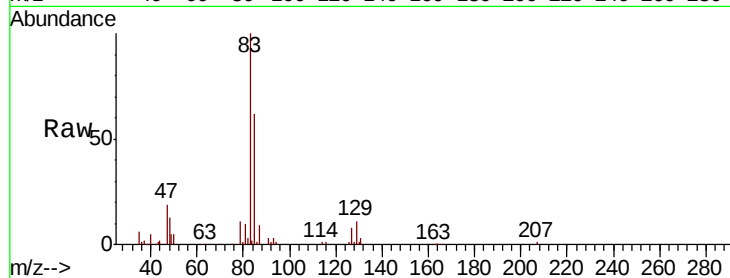
Tot Ion: 83 Resp: 113389

Ion Ratio Lower Upper

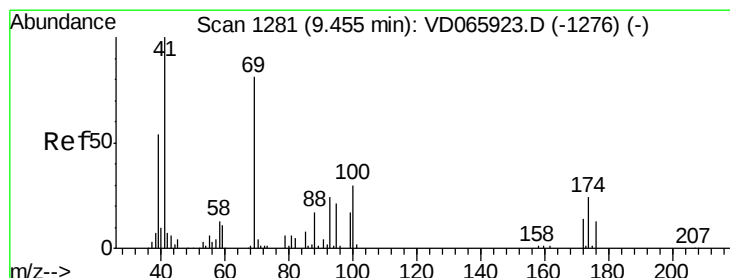
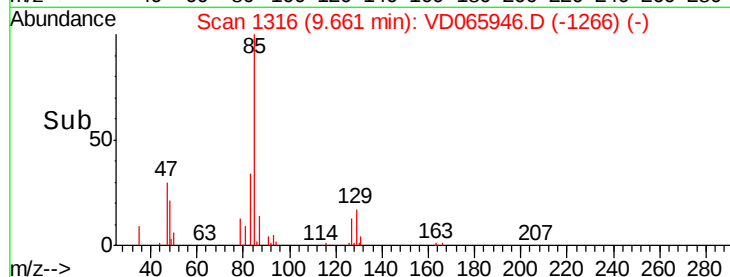
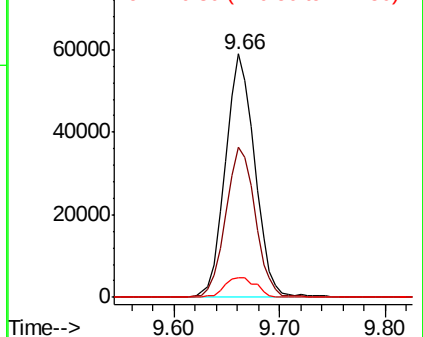
83 100

85 61.9 51.6 77.4

127 8.1 7.2 10.8



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: 20.229 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

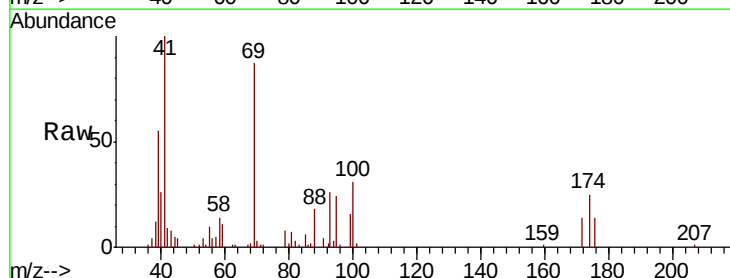
Tgt Ion: 41 Resp: 43964

Ion Ratio Lower Upper

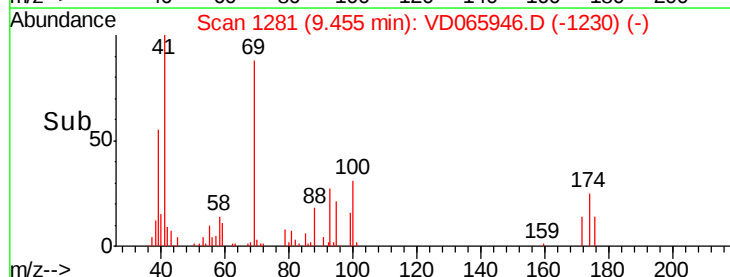
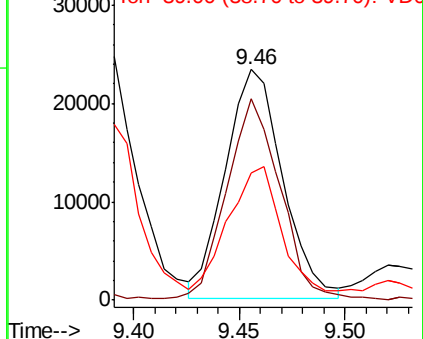
41 100

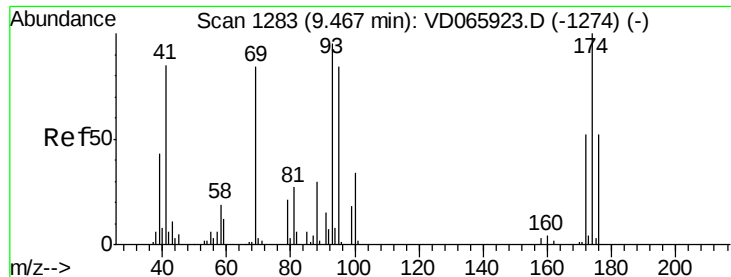
69 82.7 62.2 93.4

39 49.6 39.9 59.9



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: 427.105 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :

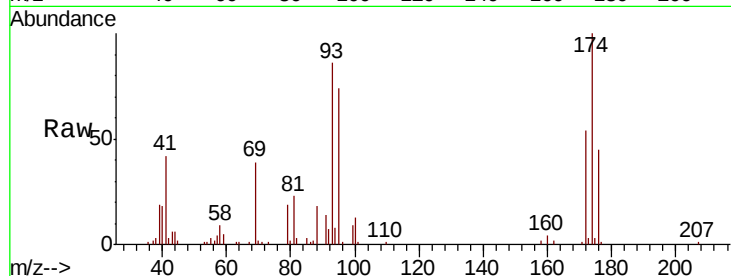
Tot Ion: 88 Resp: 10028

Ion Ratio Lower Upper

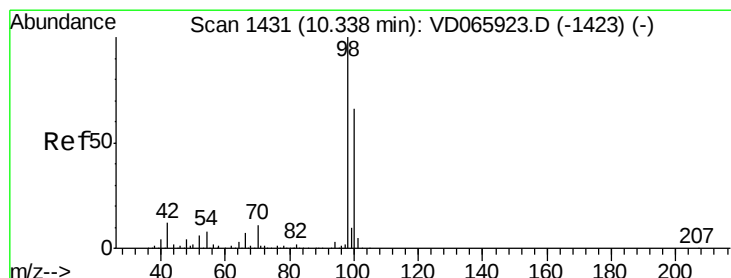
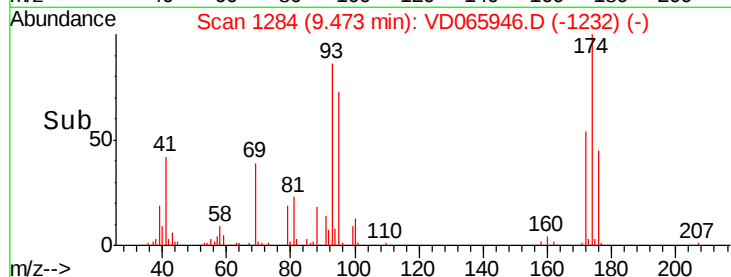
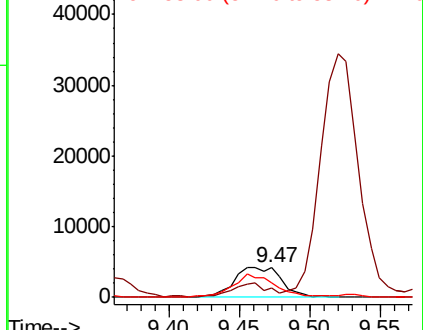
88 100

43 37.2 28.2 42.4

58 66.7 58.6 87.8



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: 46.702 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065946.D

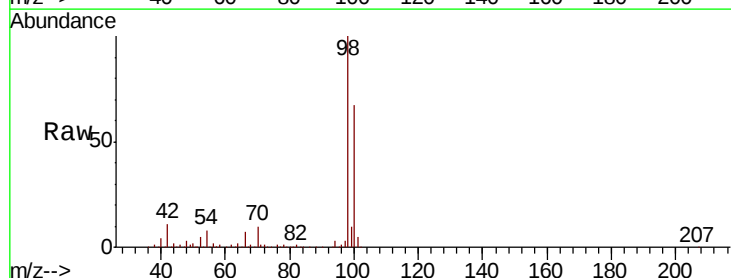
Acq: 10 Jul 2020 13:56

Tgt Ion: 98 Resp: 589136

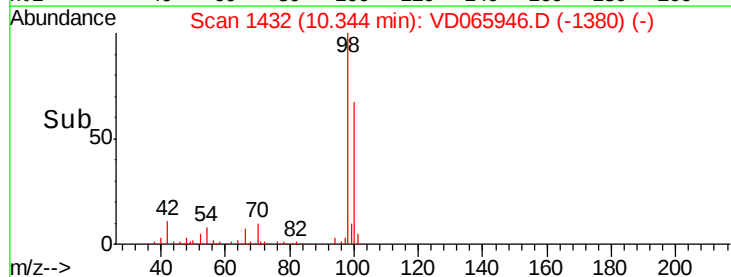
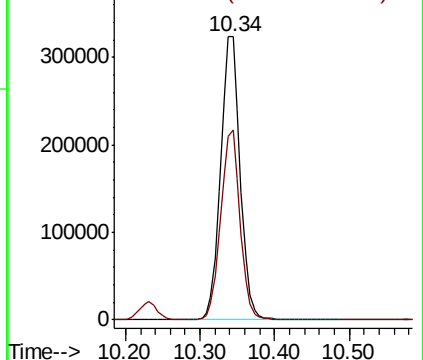
Ion Ratio Lower Upper

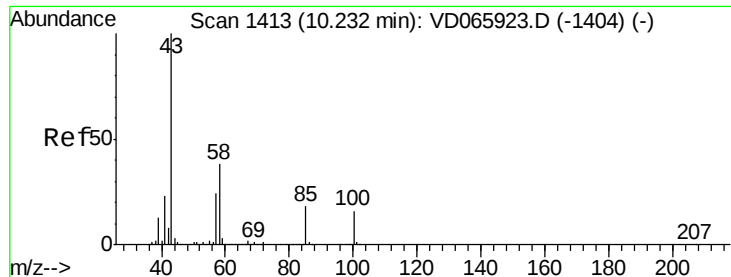
98 100

100 66.1 53.1 79.7



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: 99.858 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

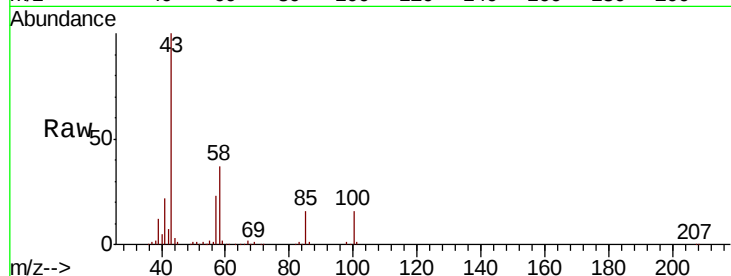
ClientSampleId :

Tot Ion: 43 Resp: 217948

Ion Ratio Lower Upper

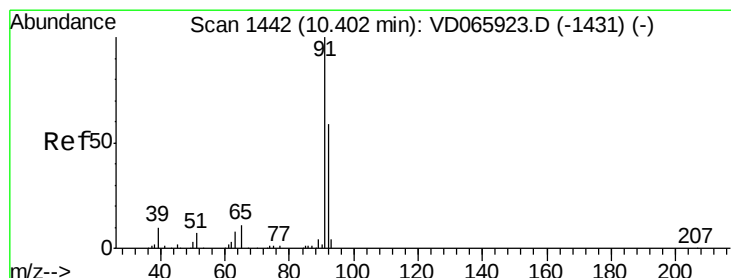
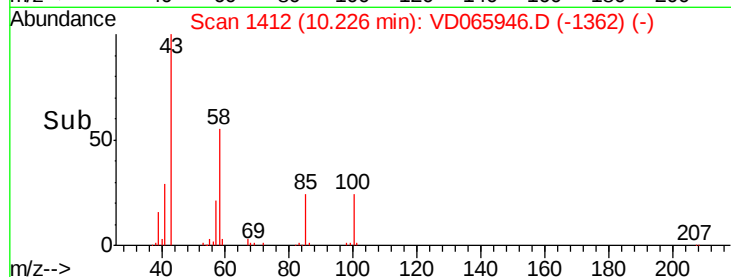
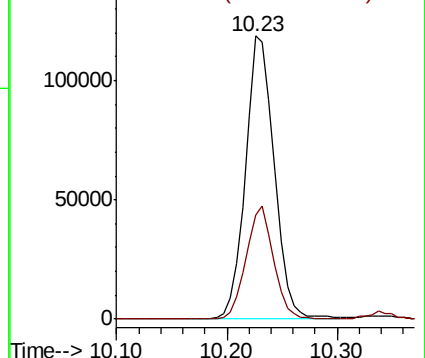
43 100

58 38.2 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.925 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065946.D

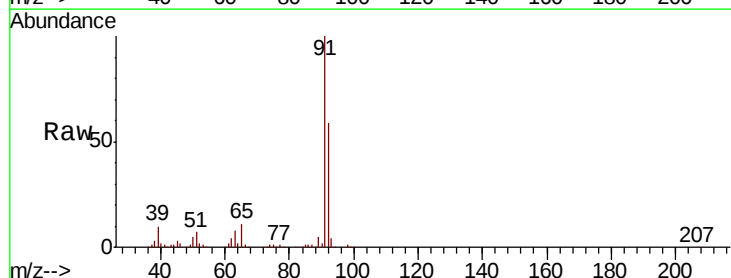
Acq: 10 Jul 2020 13:56

Tgt Ion: 92 Resp: 213299

Ion Ratio Lower Upper

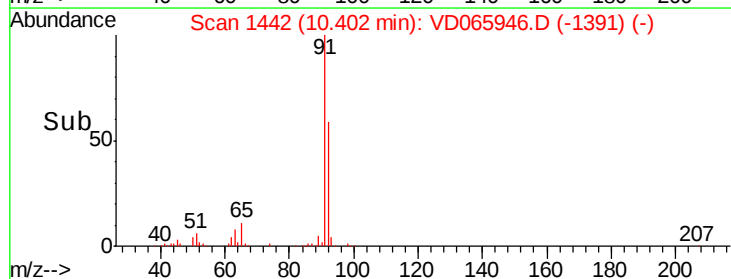
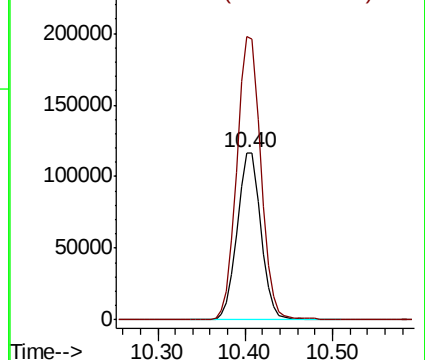
92 100

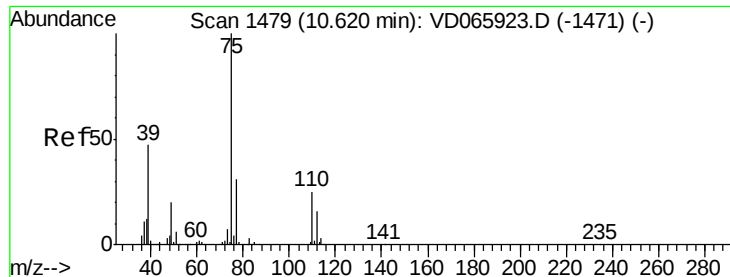
91 171.9 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.041 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

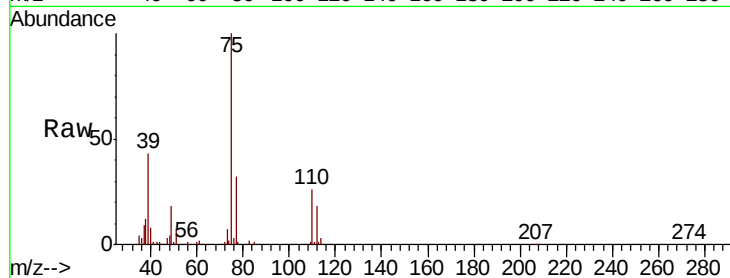
ClientSampleId :

Tot Ion: 75 Resp: 104869

Ion Ratio Lower Upper

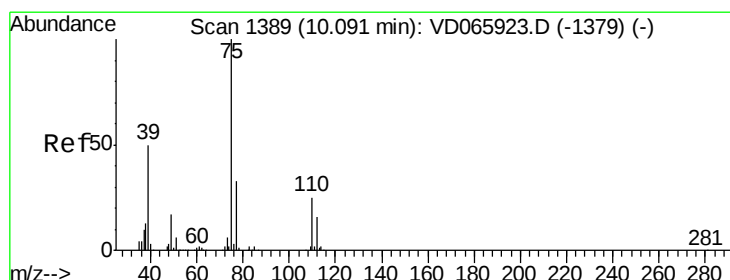
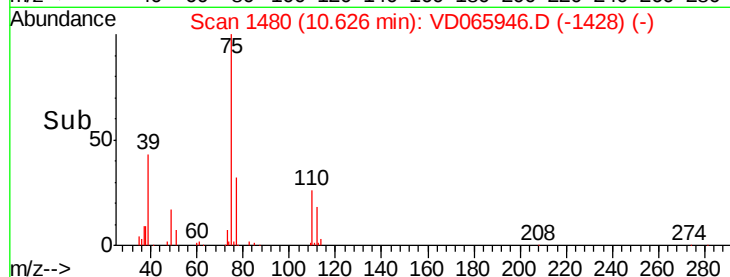
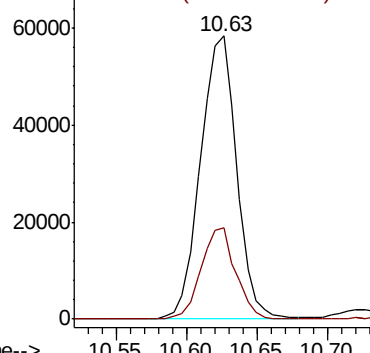
75 100

77 32.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.245 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

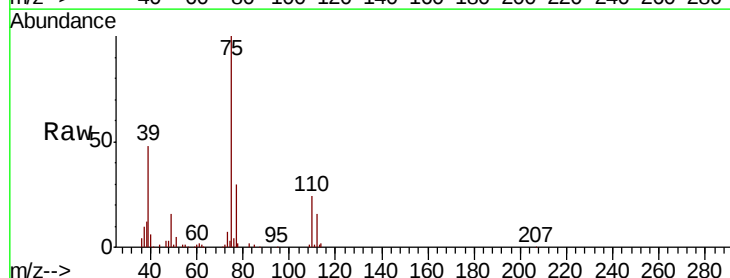
Tgt Ion: 75 Resp: 127946

Ion Ratio Lower Upper

75 100

77 29.5 26.6 39.8

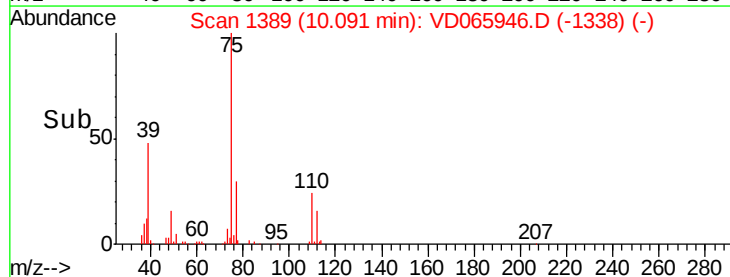
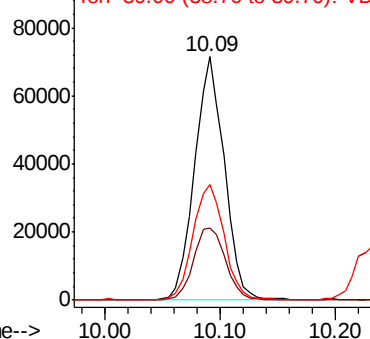
39 47.7 39.6 59.4

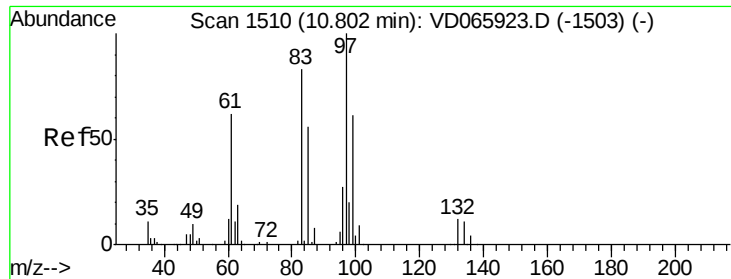


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

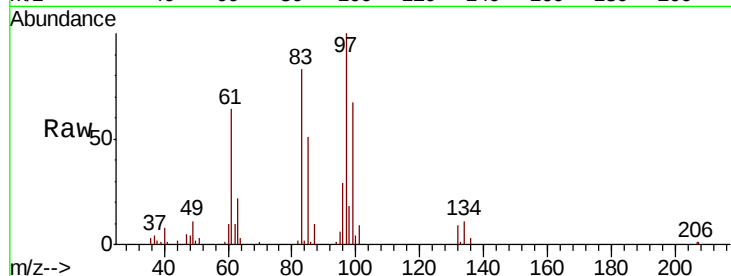




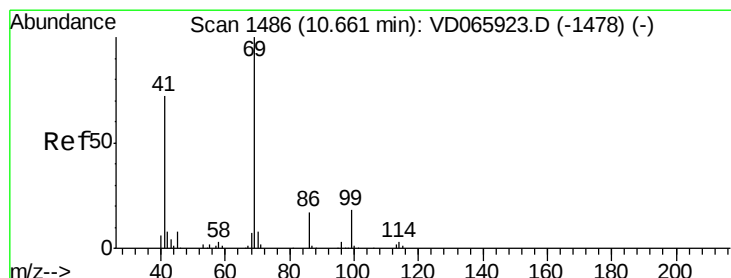
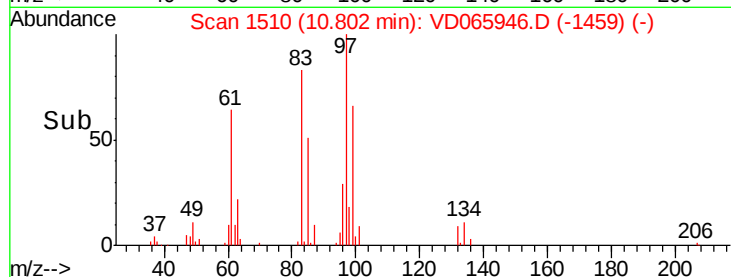
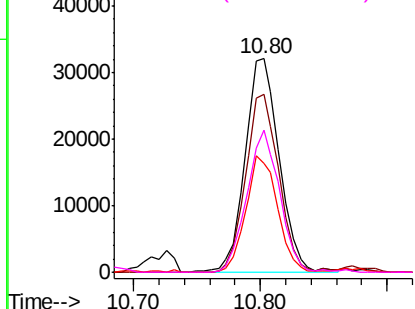
#55
 1,1,2-Trichloroethane
 Concen: 22.095 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	60154
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.9	100.3
85	50.7	44.5	66.7
99	66.8	49.2	73.8

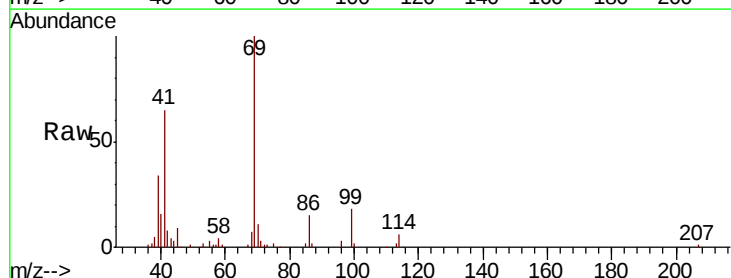


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

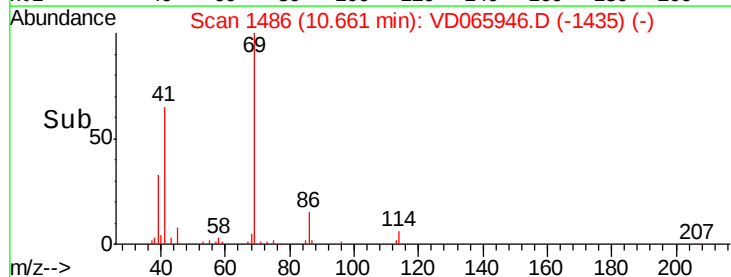
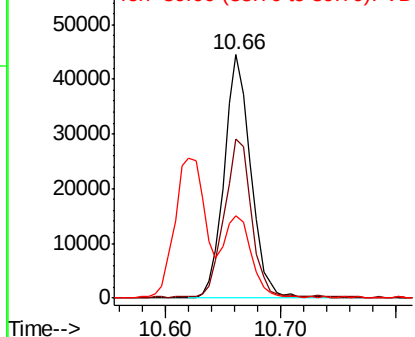


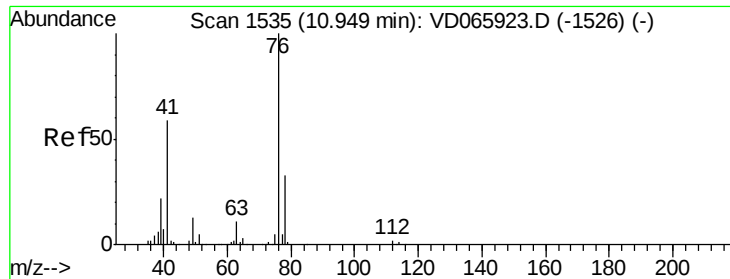
#56
 Ethyl methacrylate
 Concen: 21.323 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Tgt Ion:	69	Resp:	70904
Ion	Ratio	Lower	Upper
69	100		
41	68.5	56.5	84.7
39	34.2	29.2	43.8



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

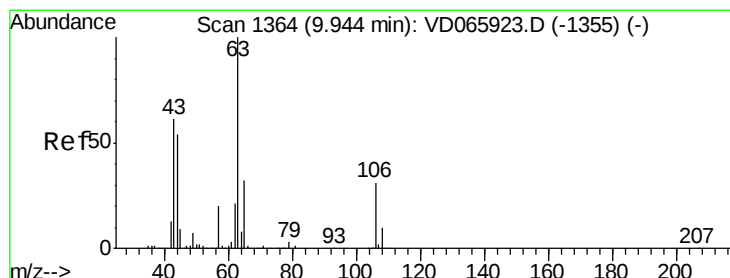
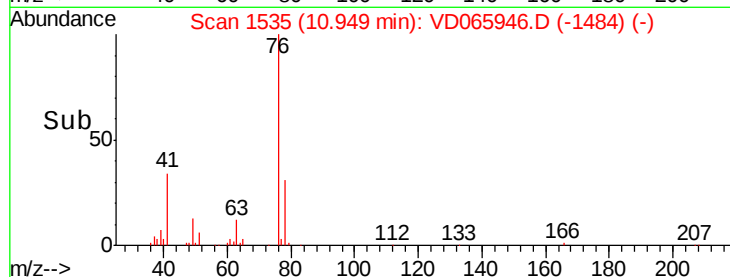
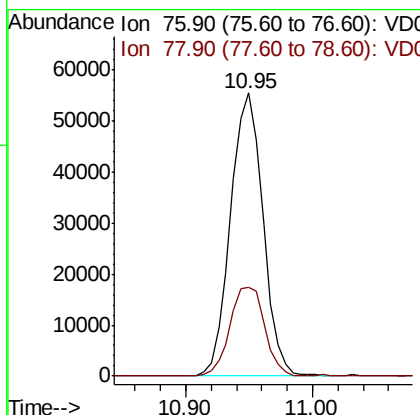
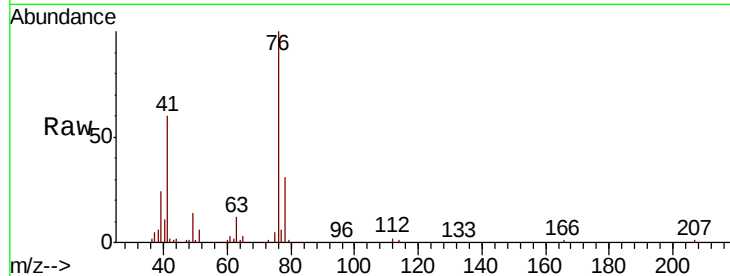




#57
 1,3-Dichloropropane
 Concen: 20.663 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

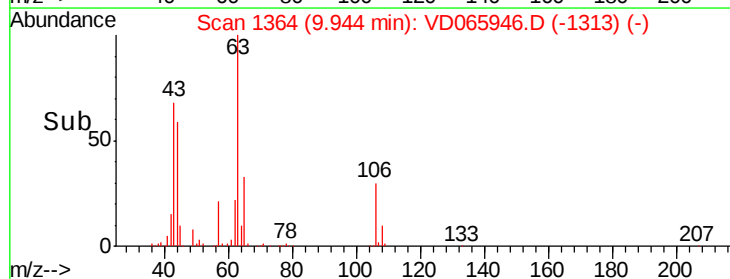
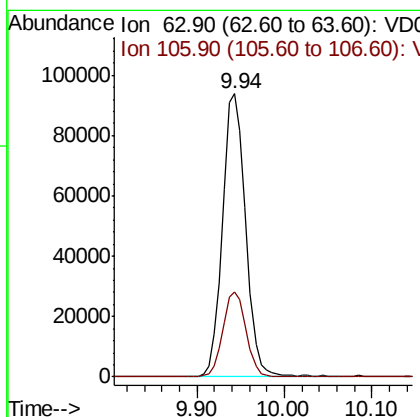
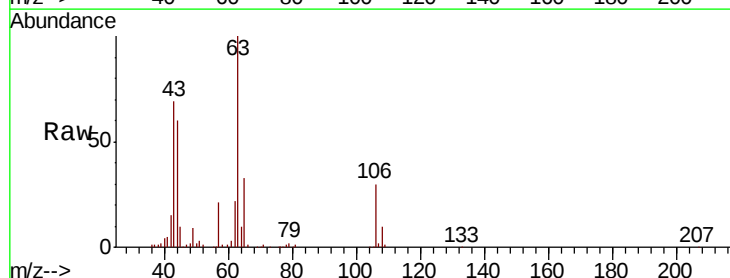
Instrument :
 MSVOA_D
 ClientSampled :

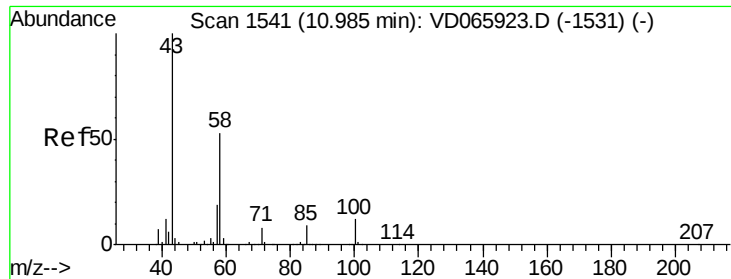
Tot Ion: 76 Resp: 98380
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.560 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Tgt Ion: 63 Resp: 171608
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.6

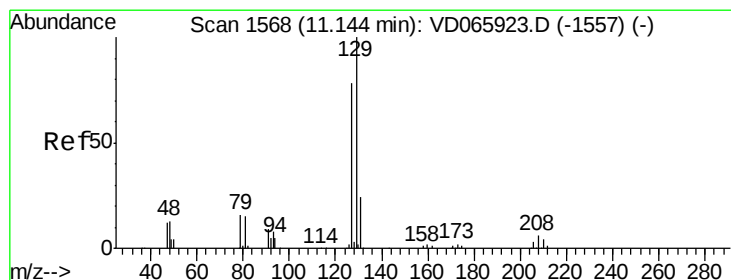
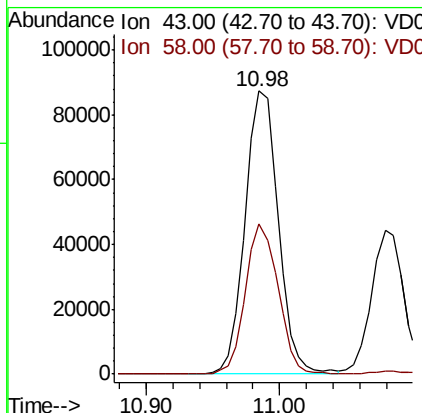
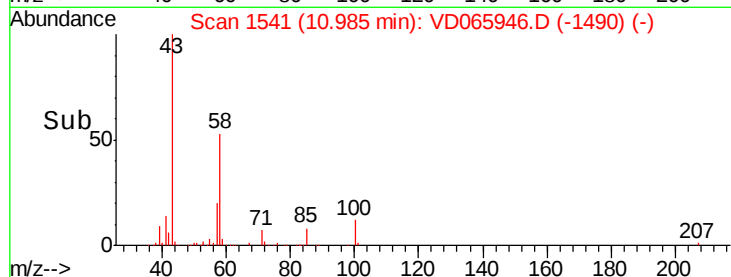
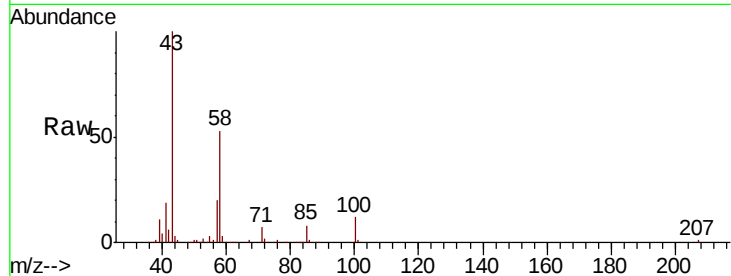




#59
2-Hexanone
Concen: 100.521 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

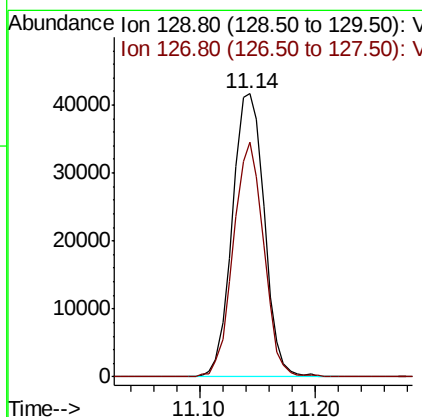
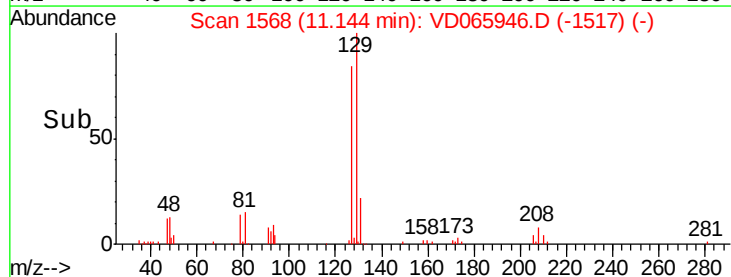
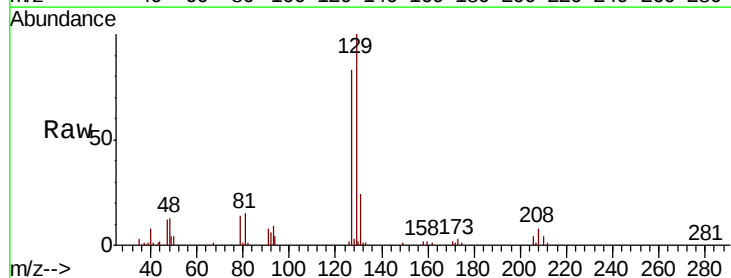
Instrument :
MSVOA_D
ClientSampled :

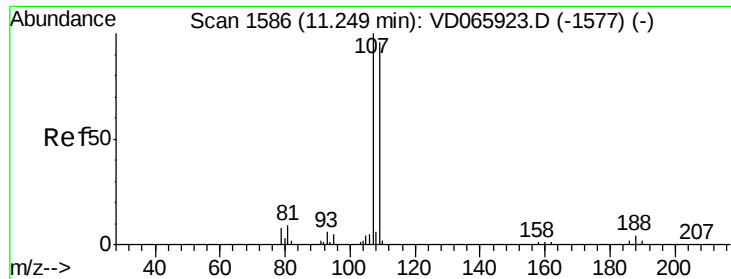
Tot Ion: 43 Resp: 150887
Ion Ratio Lower Upper
43 100
58 52.2 26.6 79.8



#60
Dibromochloromethane
Concen: 21.522 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 129 Resp: 80054
Ion Ratio Lower Upper
129 100
127 78.9 38.8 116.4

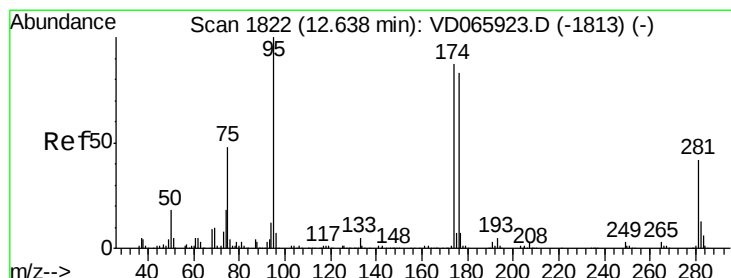
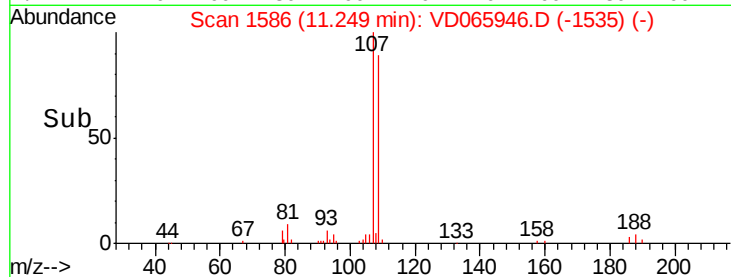
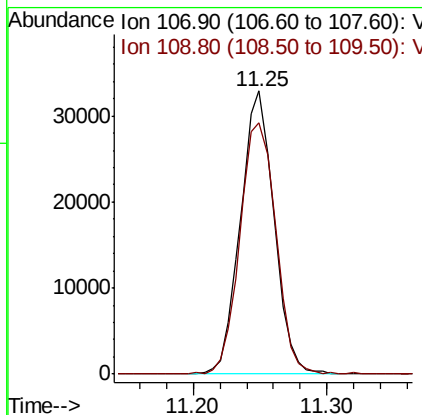
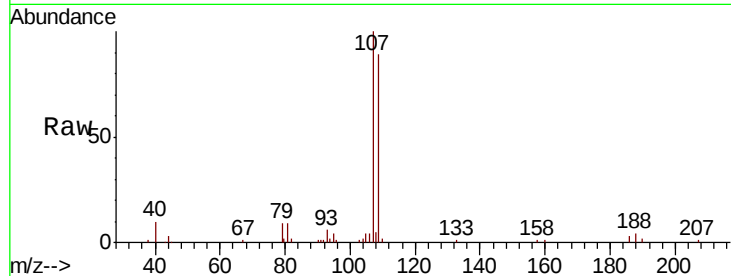




#61
1,2-Dibromoethane
Concen: 21.064 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

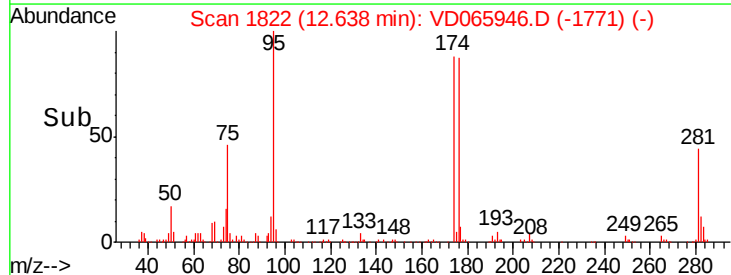
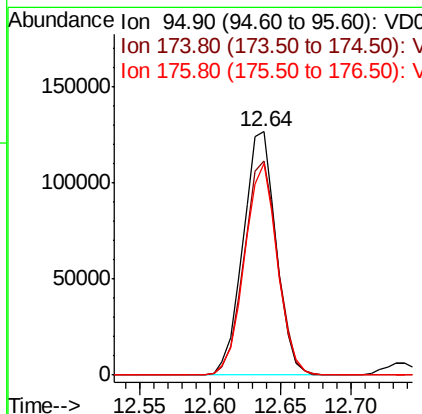
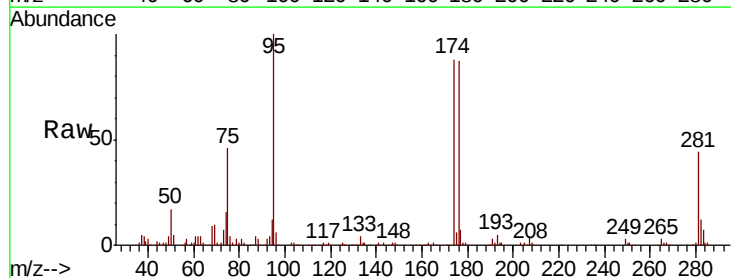
Instrument :
MSVOA_D
ClientSampleId :

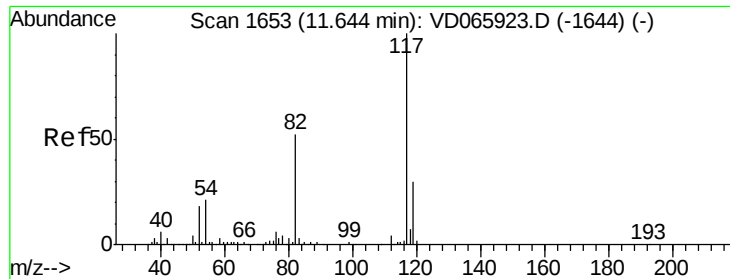
Tot Ion:107 Resp: 57177
Ion Ratio Lower Upper
107 100
109 95.1 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 48.028 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 95 Resp: 208056
Ion Ratio Lower Upper
95 100
174 88.9 0.0 169.4
176 85.9 0.0 164.0

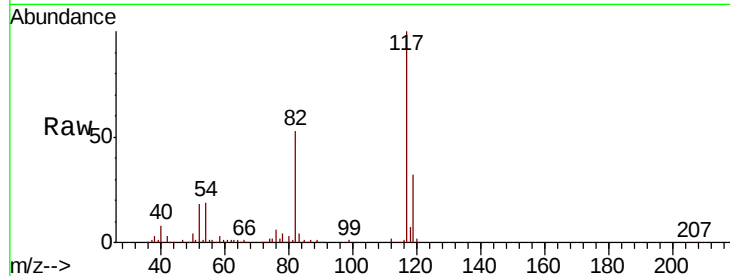




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.8
119	32.0	24.3	36.5

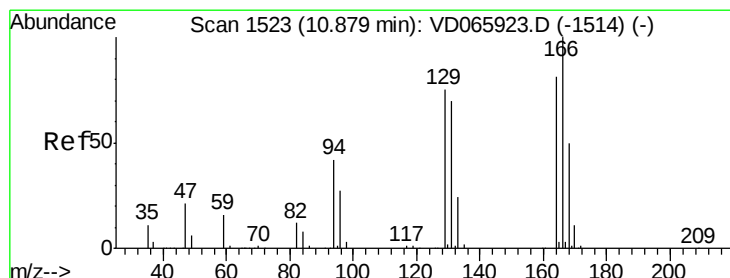
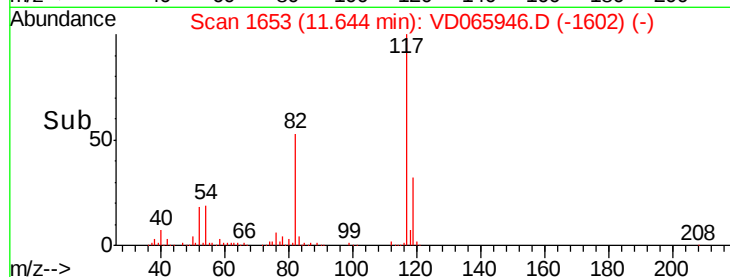
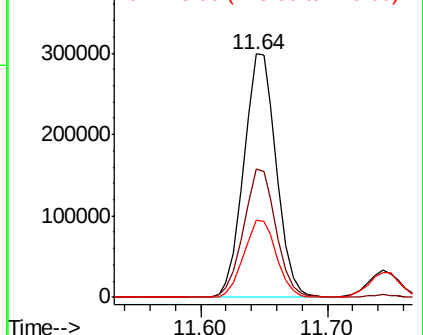


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.023 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.6	99.0	148.4
129	88.0	73.9	110.9
131	81.6	69.6	104.4

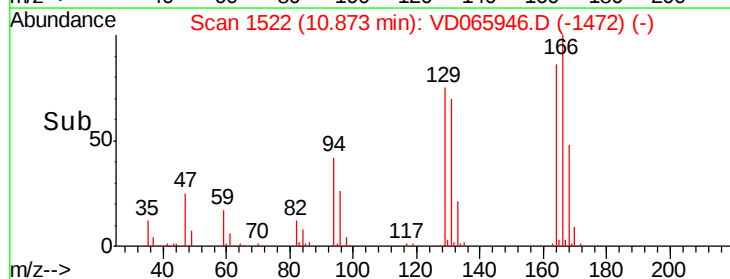
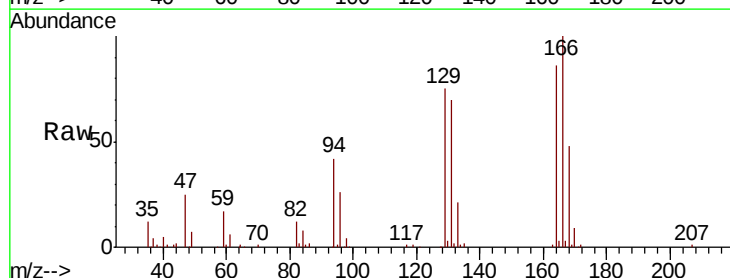
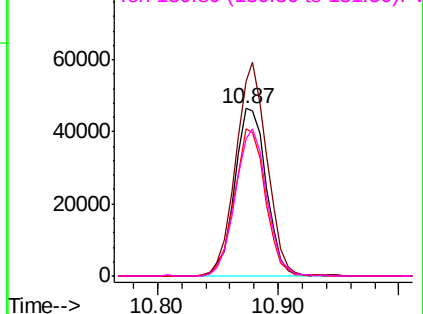
Abundance

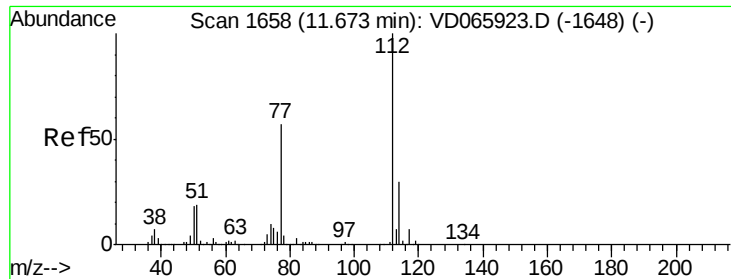
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

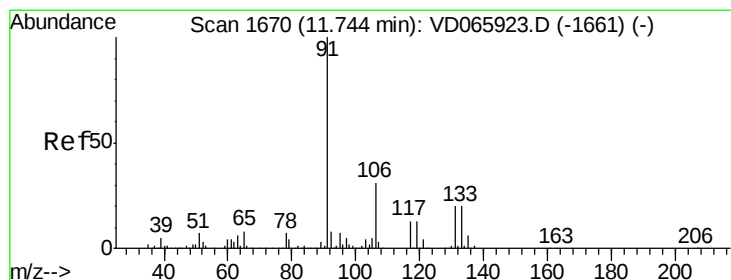
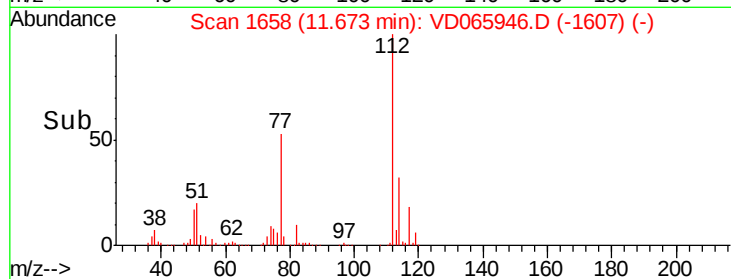
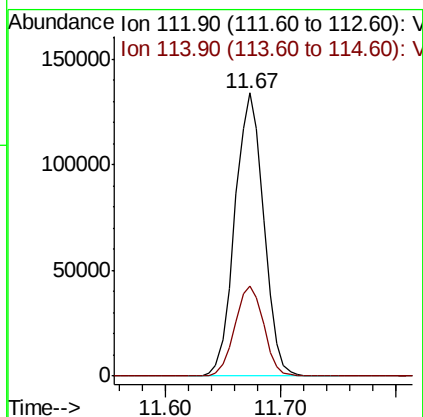
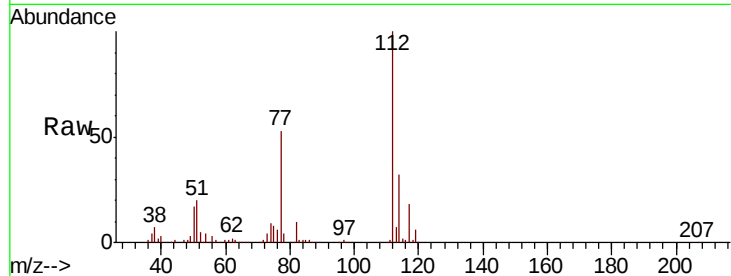




#65
Chlorobenzene
Concen: 21.570 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

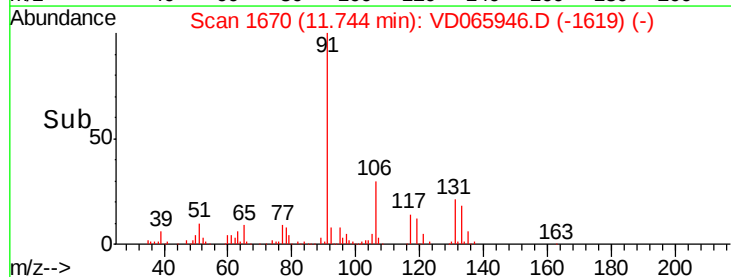
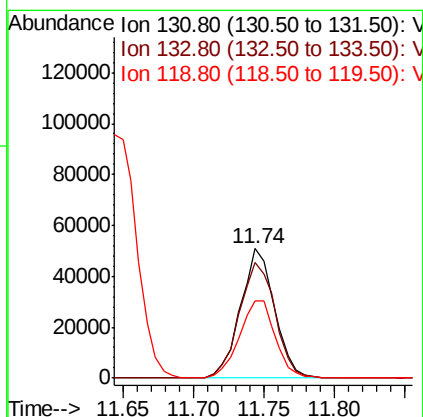
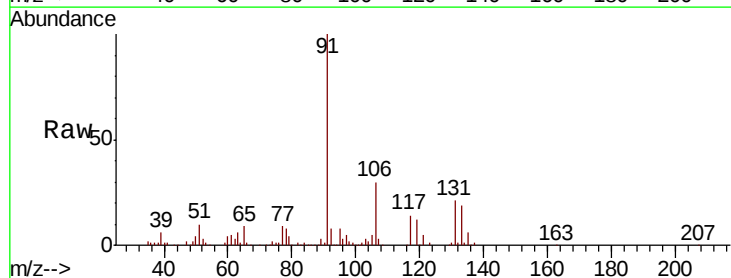
Instrument :
MSVOA_D
ClientSampleId :

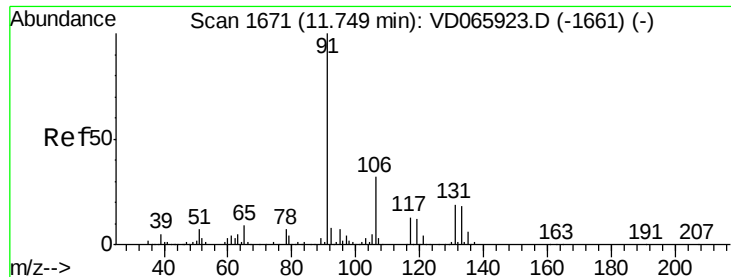
Tot Ion:112 Resp: 231686
Ion Ratio Lower Upper
112 100
114 31.9 24.2 36.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.413 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion:131 Resp: 86028
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.6
119 63.2 31.9 95.9





#67

Ethyl Benzene

Concen: 21.263 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

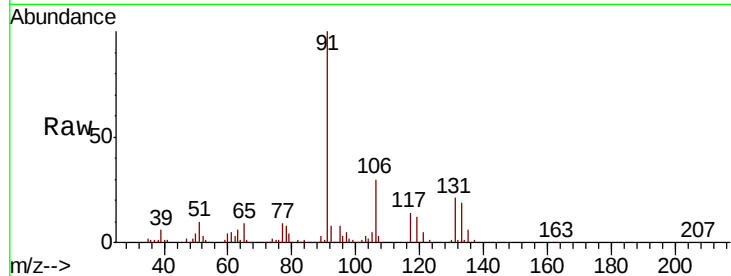
ClientSampled :

Tot Ion: 91 Resp: 405741

Ion Ratio Lower Upper

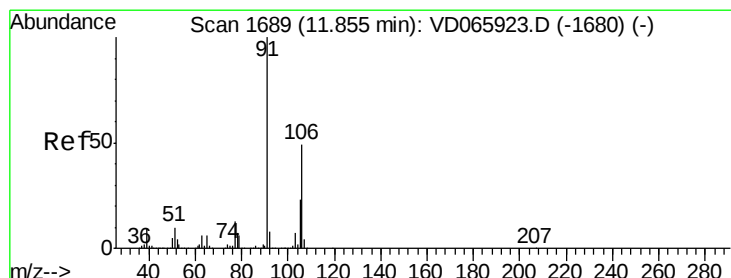
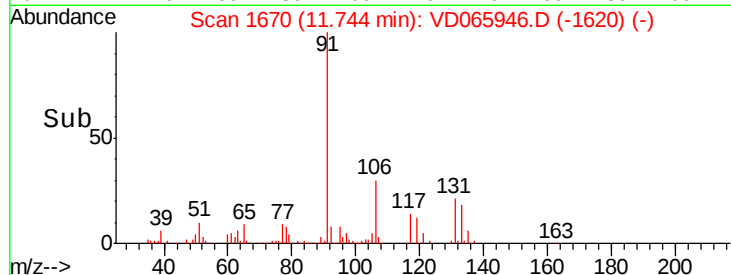
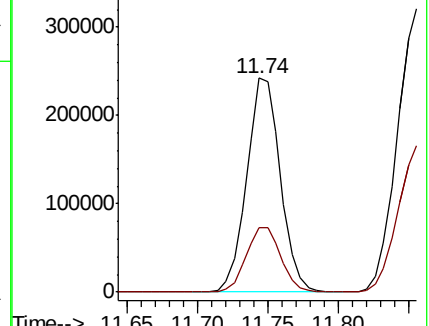
91 100

106 30.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.855 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065946.D

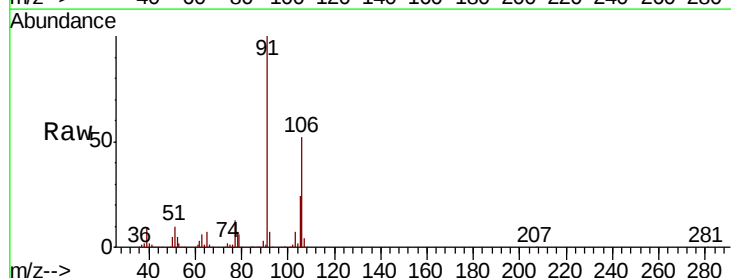
Acq: 10 Jul 2020 13:56

Tgt Ion: 106 Resp: 310689

Ion Ratio Lower Upper

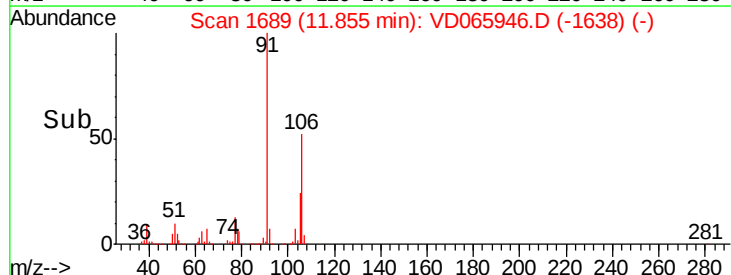
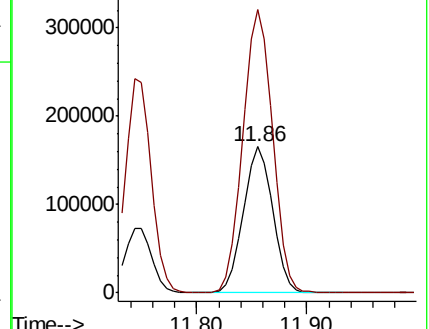
106 100

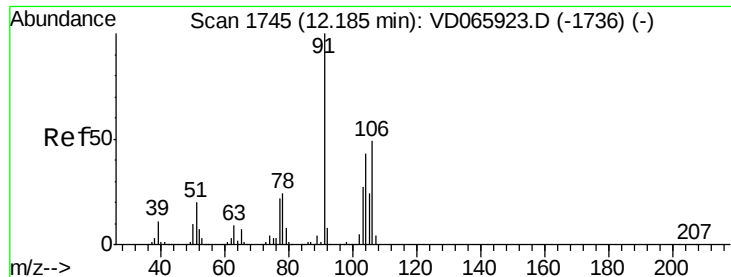
91 195.8 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

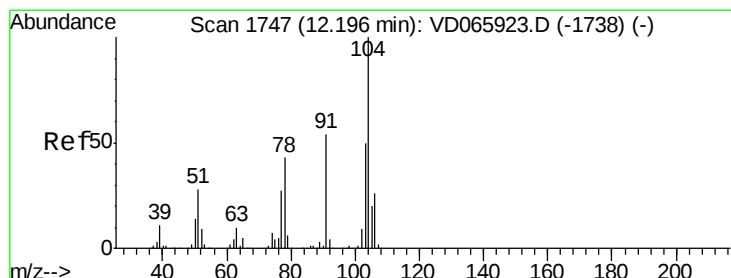
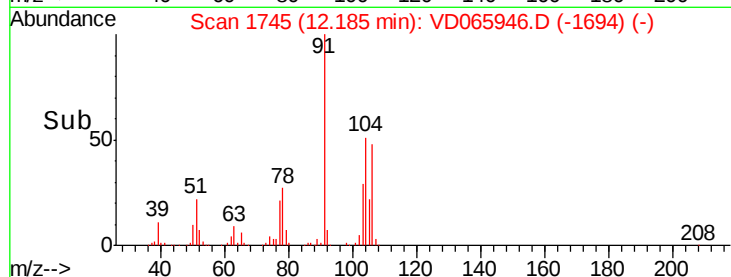
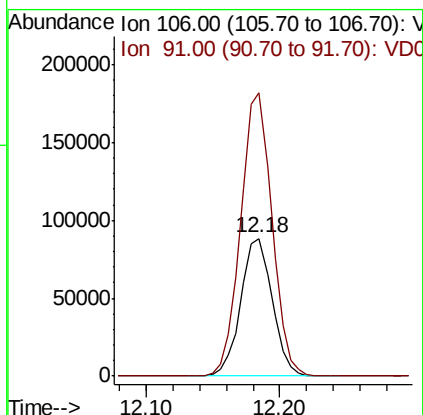
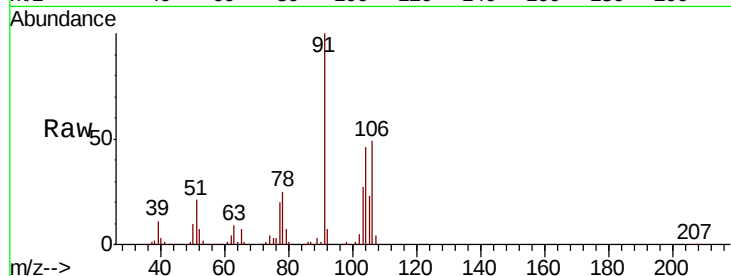




#69
o-Xylene
Concen: 21.770 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

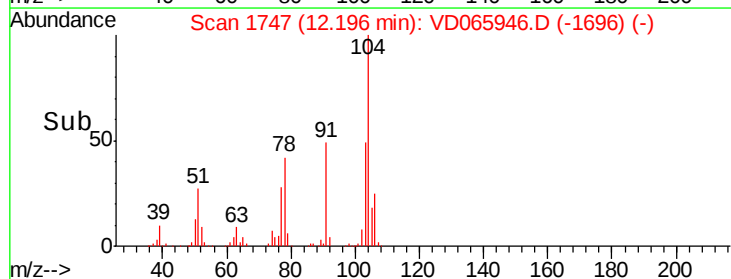
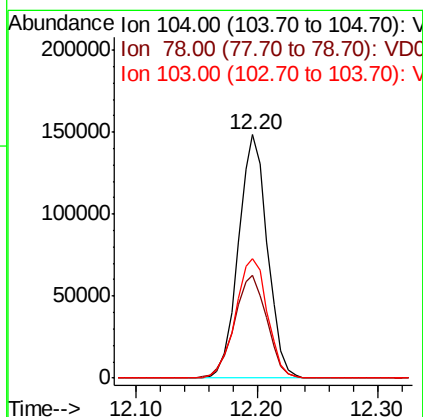
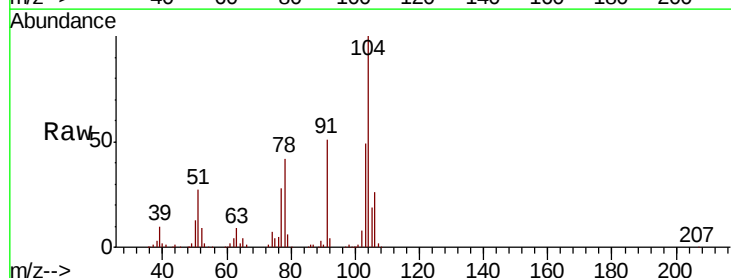
Instrument :
MSVOA_D
ClientSampled :

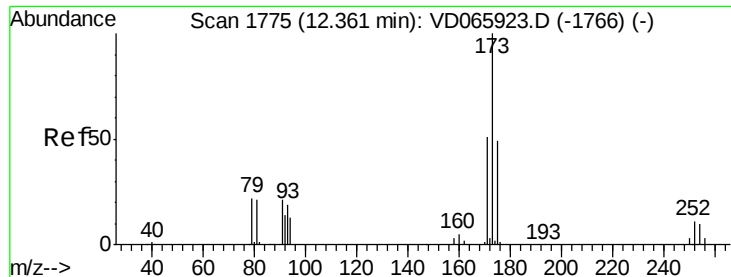
Tot Ion:106 Resp: 143772
Ion Ratio Lower Upper
106 100
91 205.4 104.1 312.2



#70
Styrene
Concen: 21.803 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion:104 Resp: 248570
Ion Ratio Lower Upper
104 100
78 47.5 38.8 58.2
103 53.8 43.6 65.4





#71

Bromoform

Concen: 21.169 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

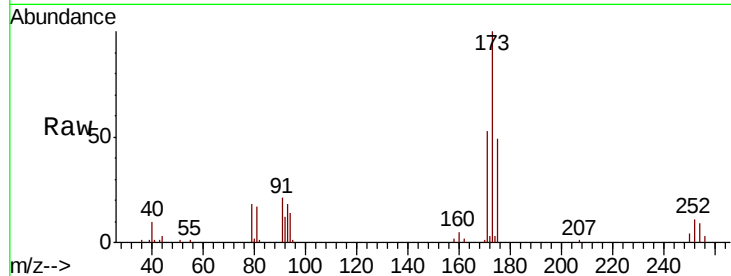
Tot Ion:173 Resp: 48124

Ion Ratio Lower Upper

173 100

175 49.2 24.2 72.6

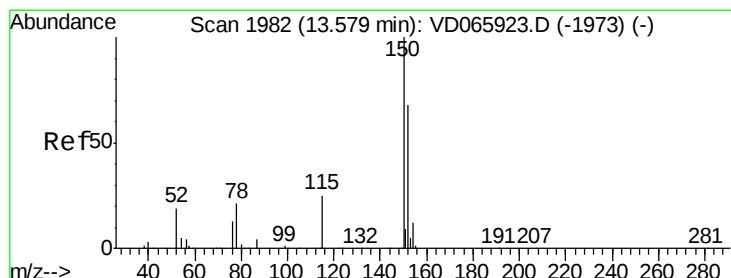
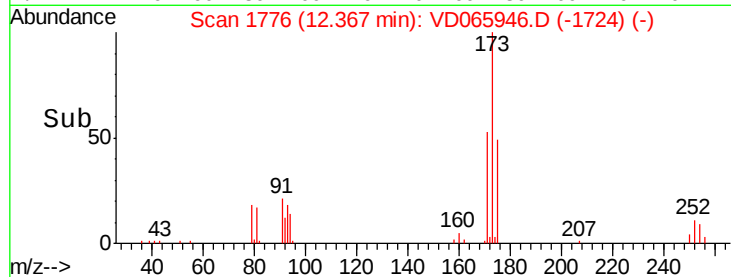
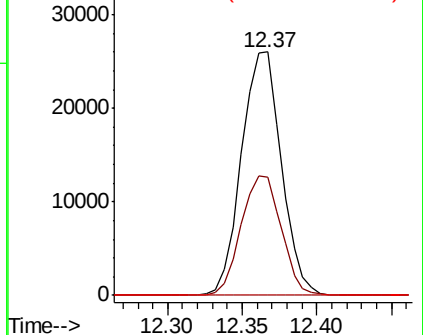
254 0.0 0.0 0.0



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# 1982

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

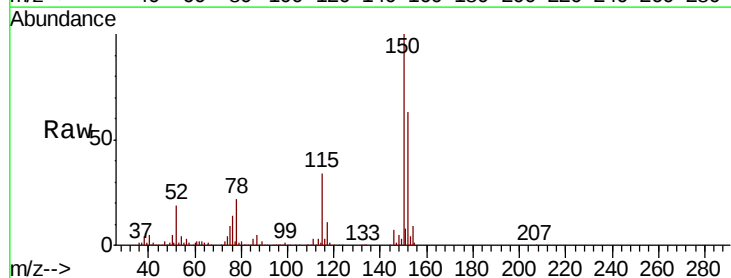
Tgt Ion:152 Resp: 270896

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.3

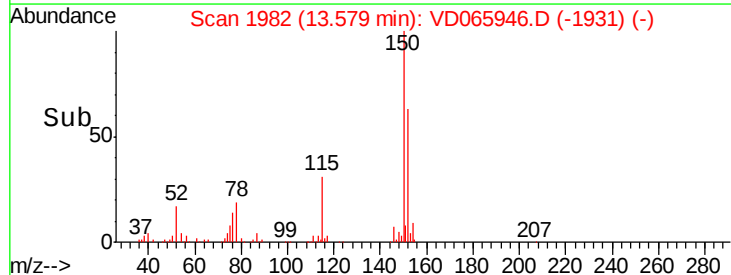
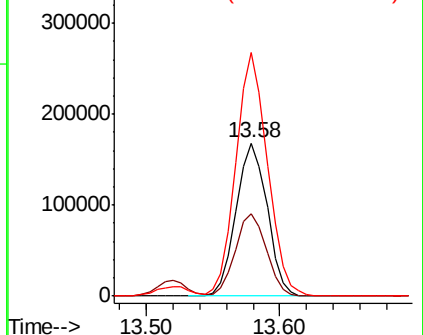
150 162.3 0.0 347.2

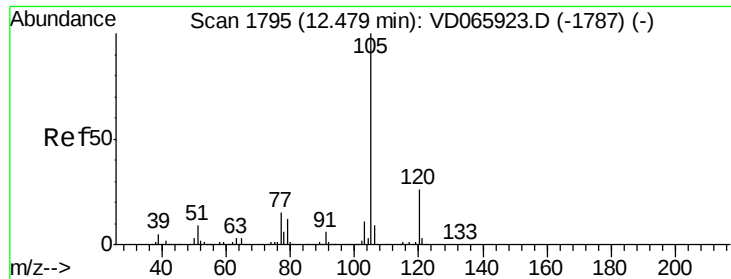


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.684 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

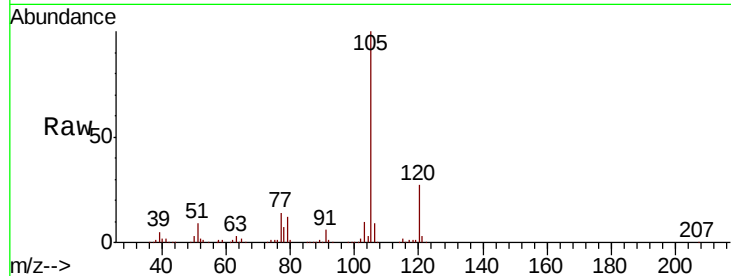
ClientSampled :

Tot Ion:105 Resp: 391044

Ion Ratio Lower Upper

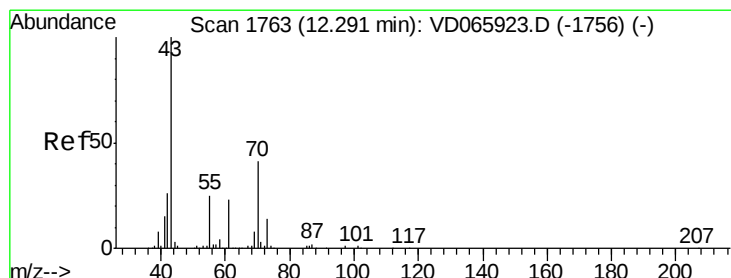
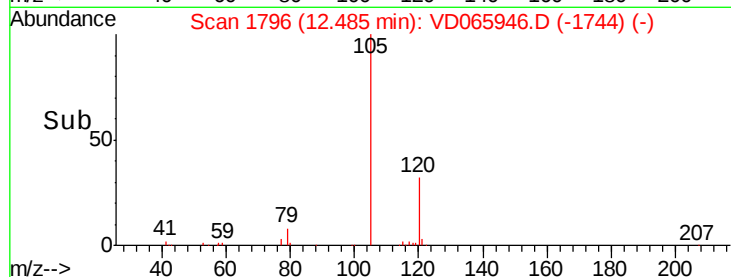
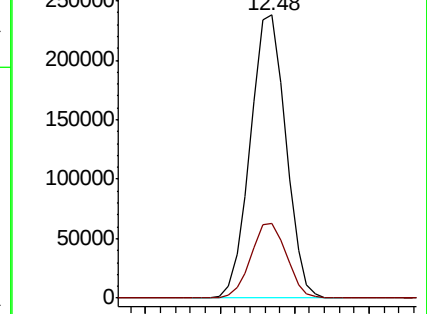
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.078 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Tgt Ion: 43 Resp: 80936

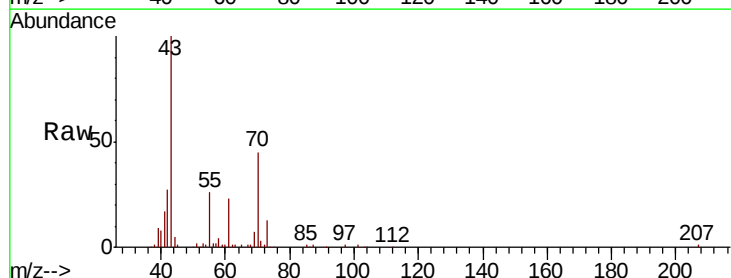
Ion Ratio Lower Upper

43 100

70 43.7 33.6 50.4

55 26.1 20.1 30.1

61 22.9 18.9 28.3

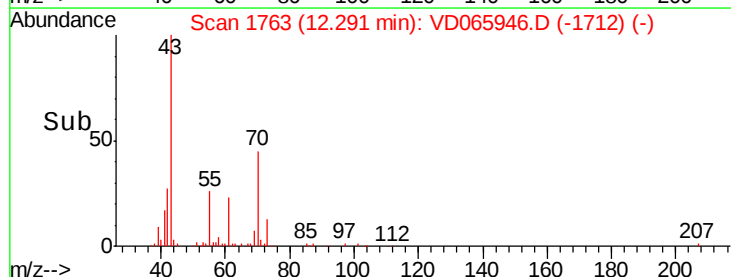
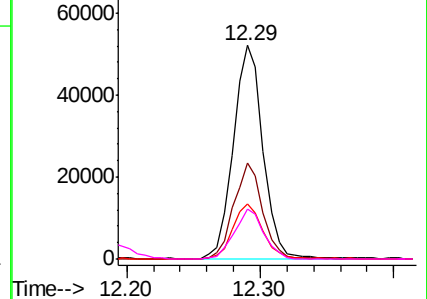


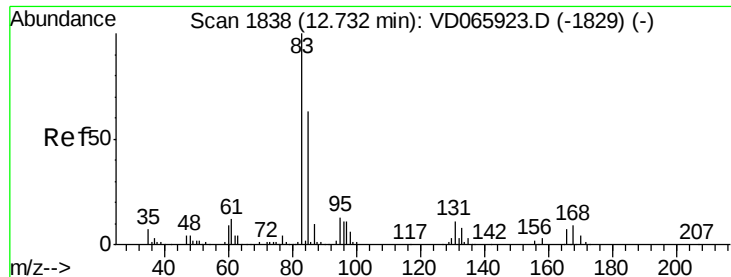
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.739 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleID :

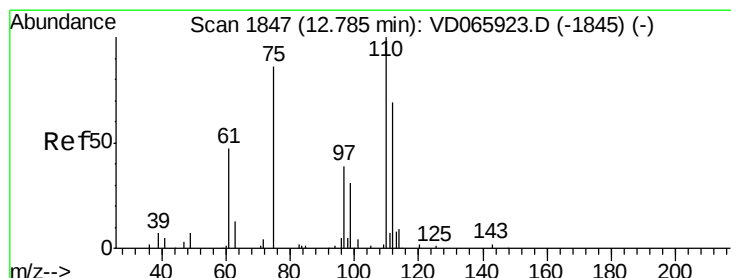
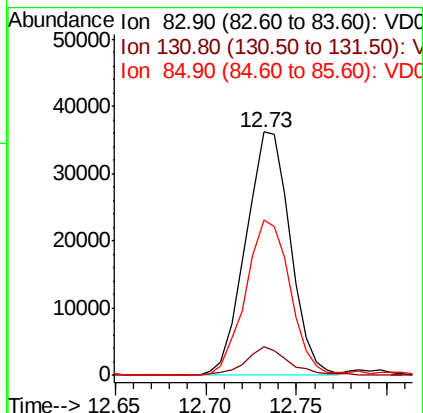
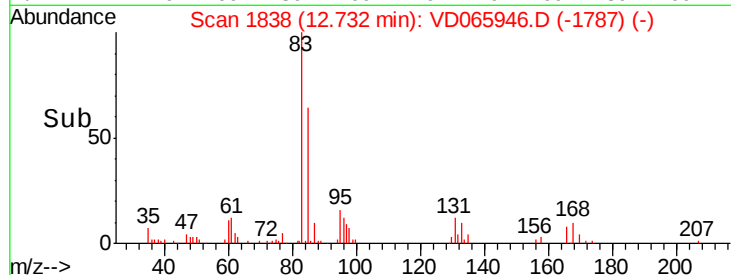
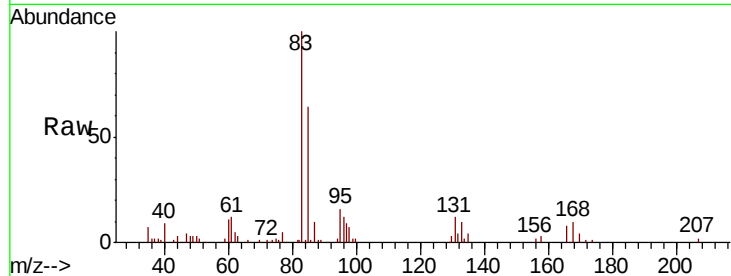
Tot Ion: 83 Resp: 61956

Ion Ratio Lower Upper

83 100

131 11.4 5.6 16.8

85 64.0 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 35.482 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD065946.D

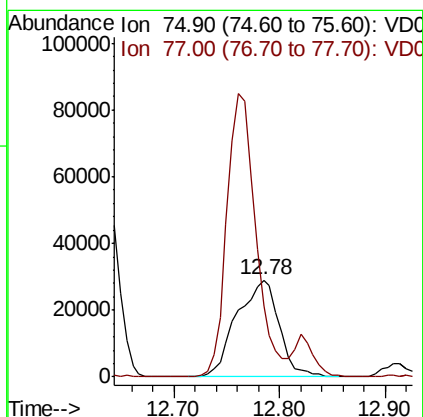
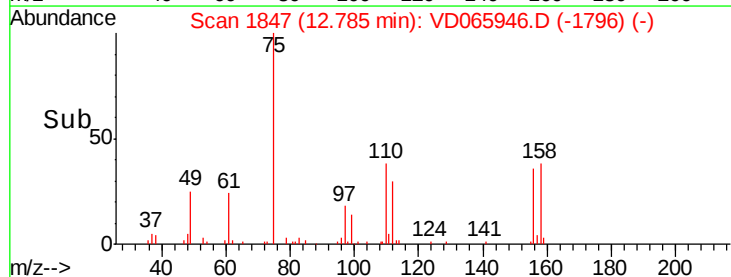
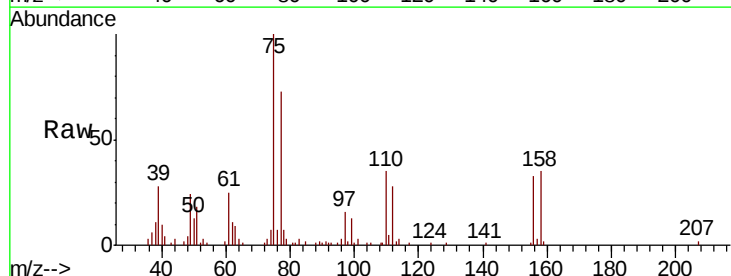
Acq: 10 Jul 2020 13:56

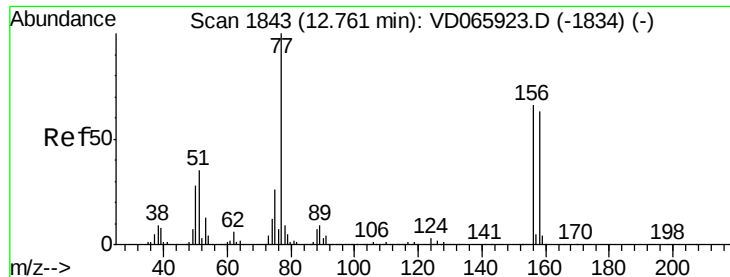
Tgt Ion: 75 Resp: 80631

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.840 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

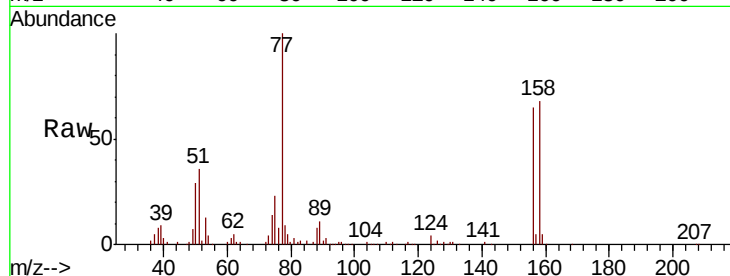
Tot Ion:156 Resp: 95561

Ion Ratio Lower Upper

156 100

77 170.3 85.0 255.0

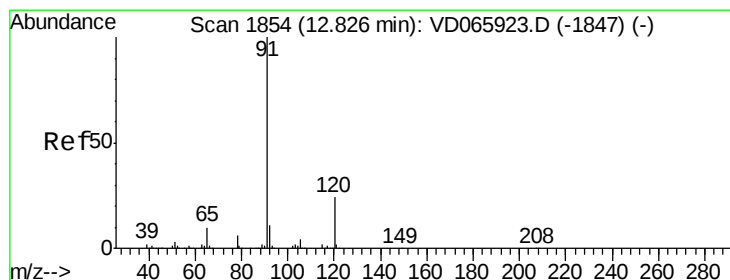
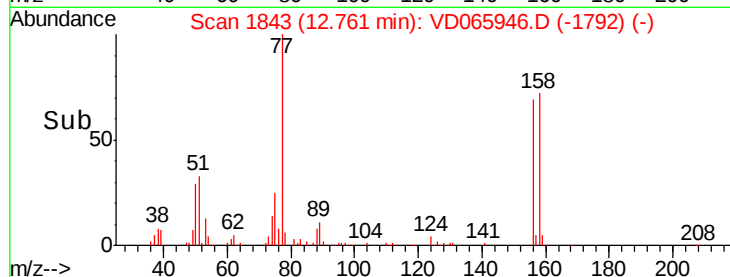
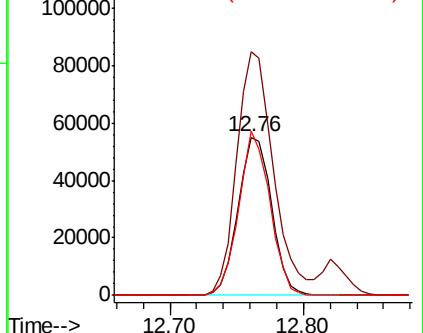
158 96.9 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.472 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065946.D

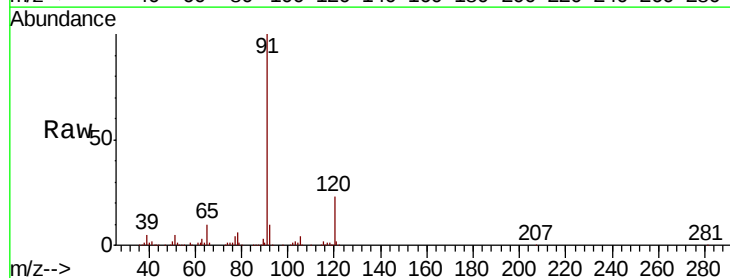
Acq: 10 Jul 2020 13:56

Tgt Ion: 91 Resp: 453775

Ion Ratio Lower Upper

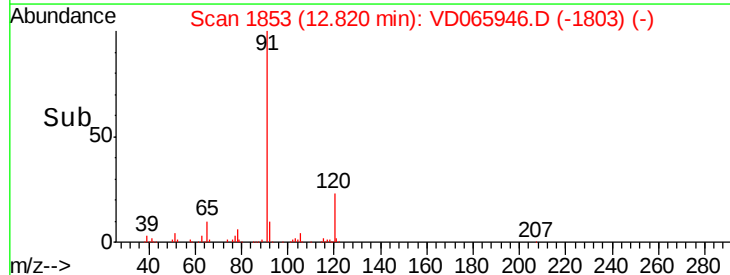
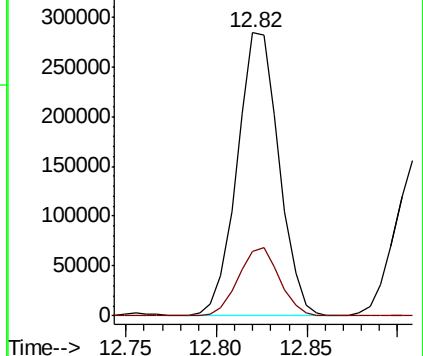
91 100

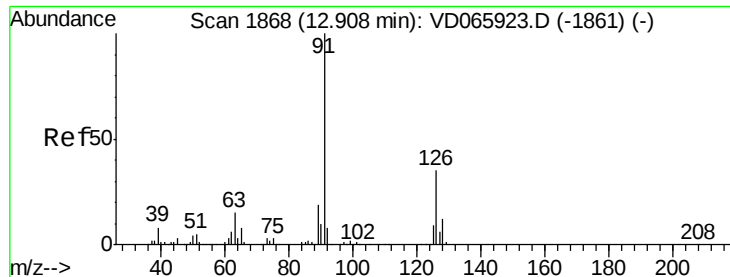
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.645 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

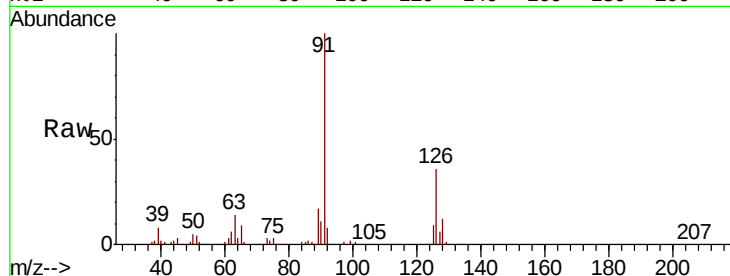
ClientSampleId :

Tot Ion: 91 Resp: 259602

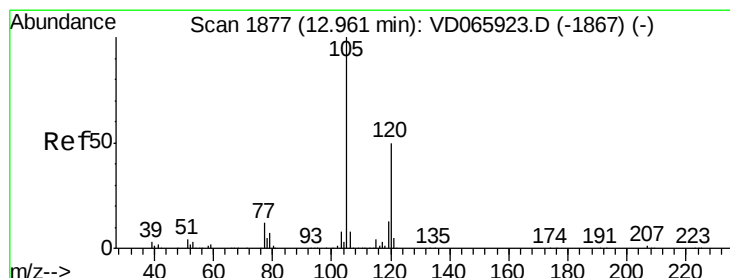
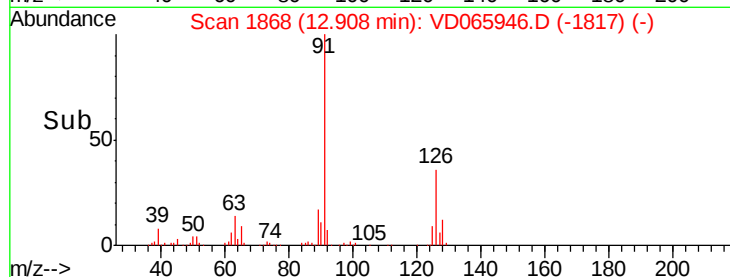
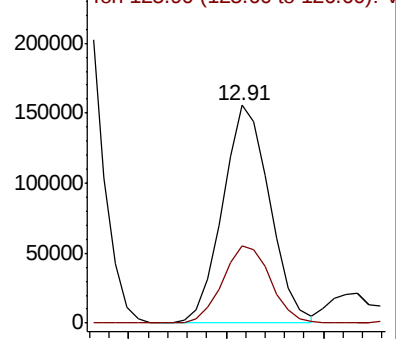
Ion Ratio Lower Upper

91 100

126 36.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD065923.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.091 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065946.D

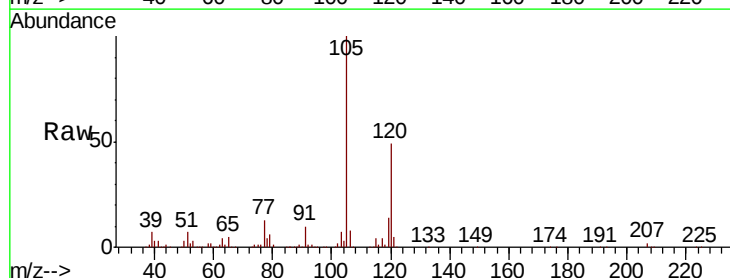
Acq: 10 Jul 2020 13:56

Tgt Ion:105 Resp: 326142

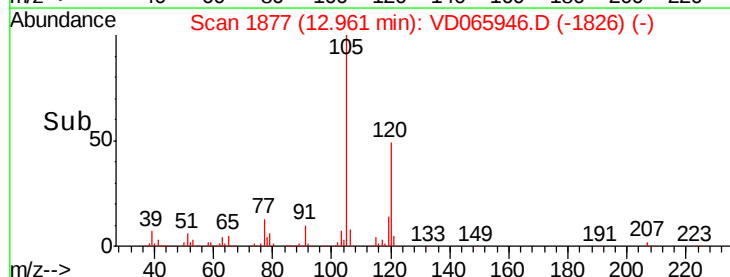
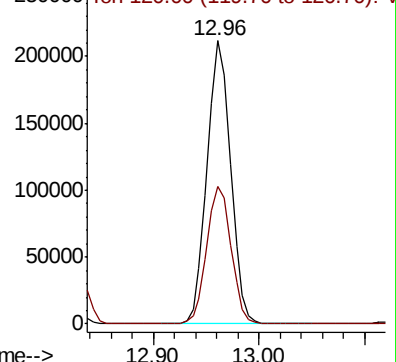
Ion Ratio Lower Upper

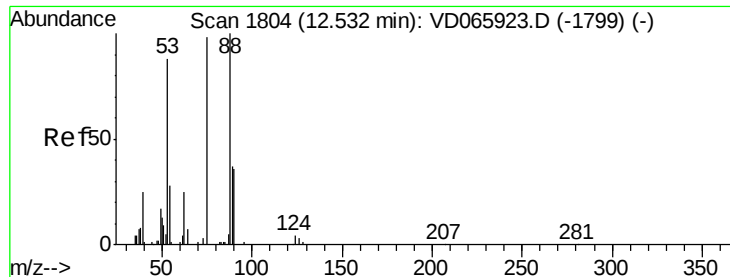
105 100

120 50.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065923.D (-1867) (-)

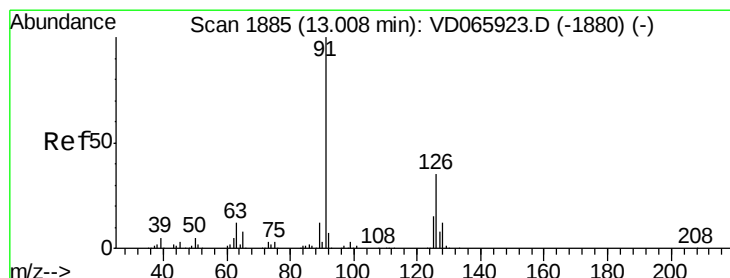
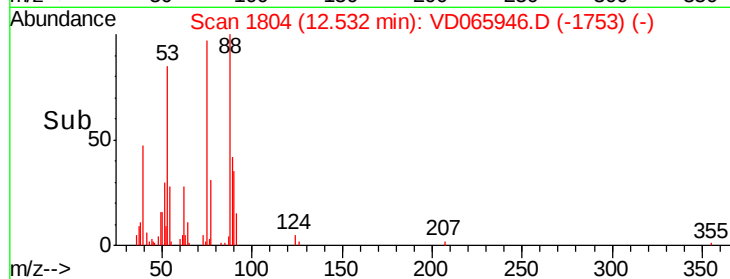
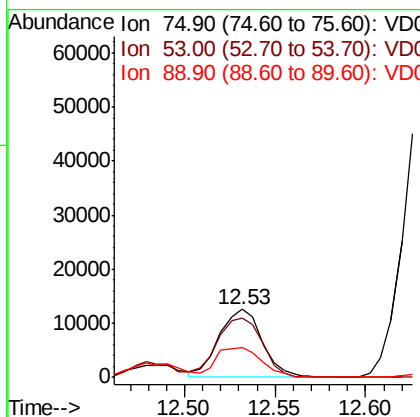
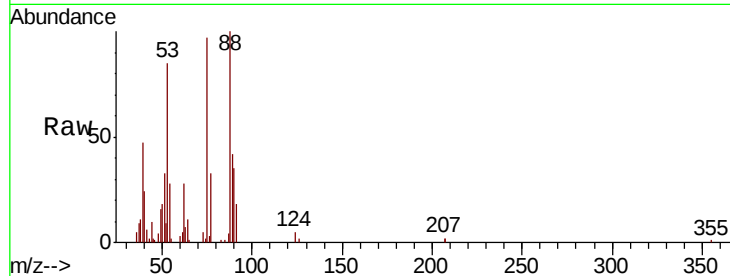




#81
trans-1,4-Dichloro-2-butene
Concen: 19.703 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

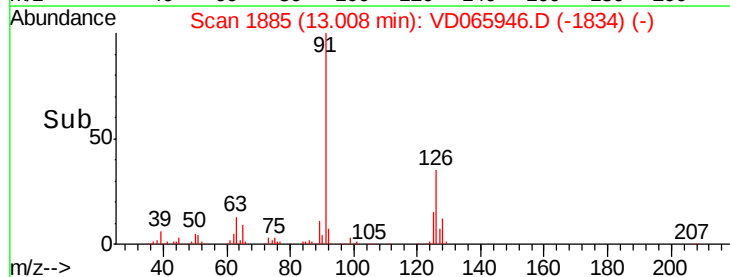
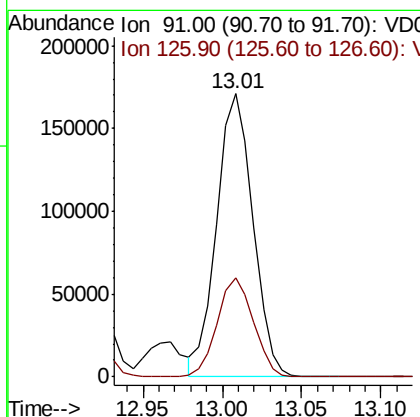
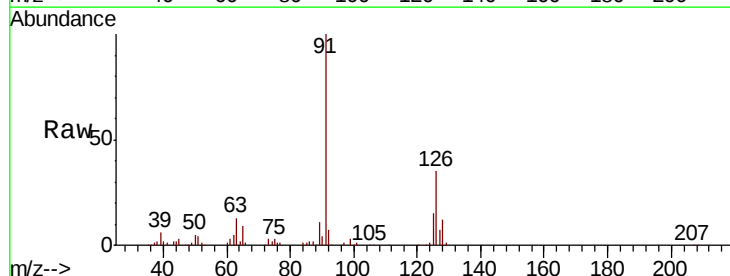
Instrument :
MSVOA_D
ClientSampled :

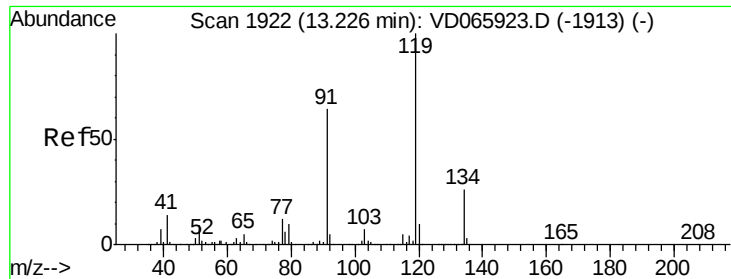
Tot Ion: 75 Resp: 20838
Ion Ratio Lower Upper
75 100
53 94.3 75.8 113.8
89 45.5 37.5 56.3



#82
4-Chlorotoluene
Concen: 20.558 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 91 Resp: 271221
Ion Ratio Lower Upper
91 100
126 35.2 17.3 51.7

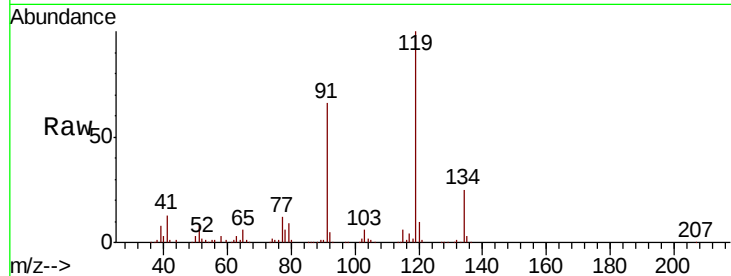




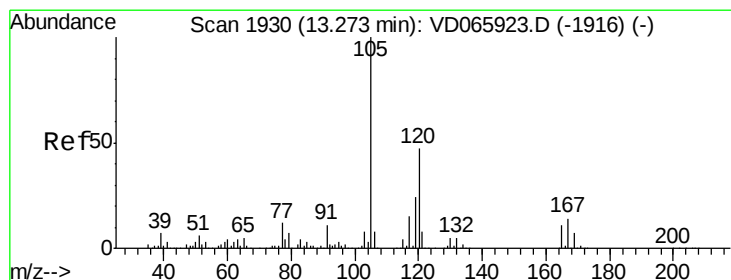
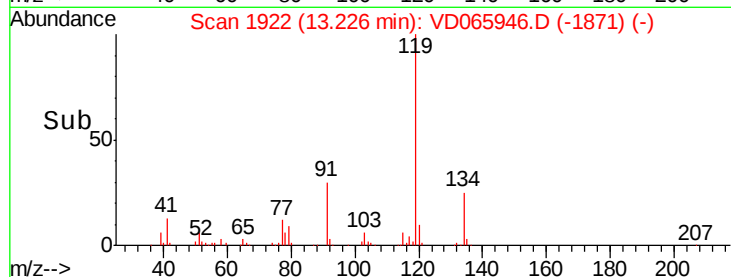
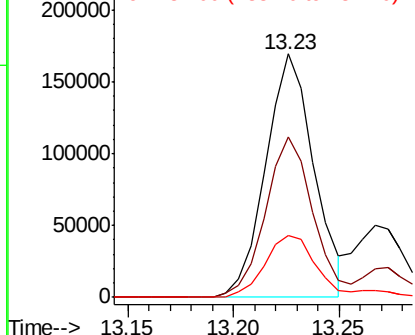
#83
tert-Butylbenzene
Concen: 20.452 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 269452
Ion Ratio Lower Upper
119 100
91 65.0 32.4 97.2
134 26.5 14.1 42.4

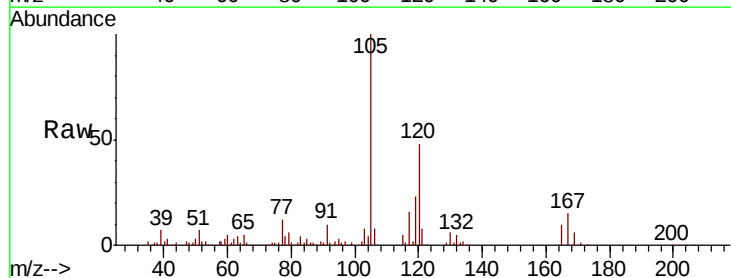


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

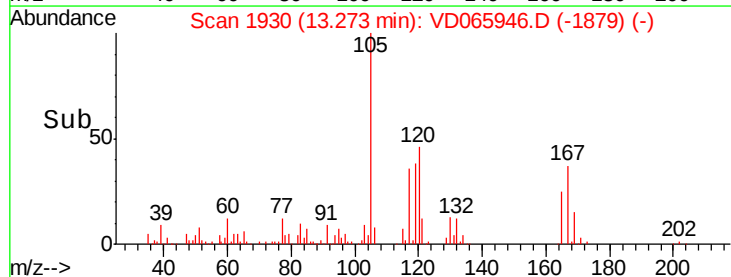
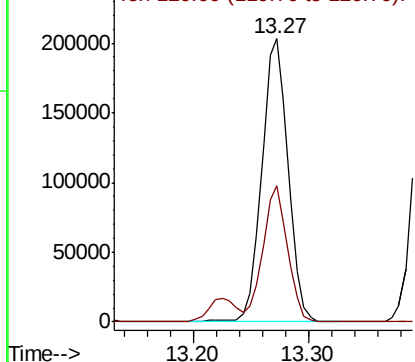


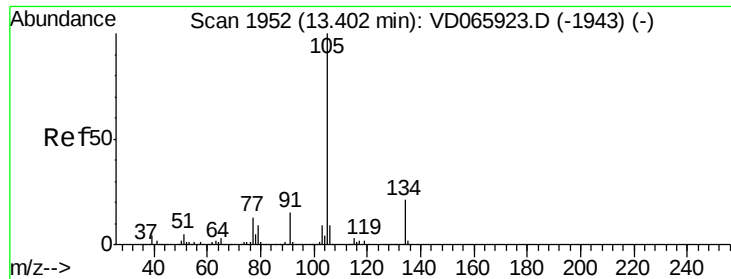
#84
1,2,4-Trimethylbenzene
Concen: 20.968 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion:105 Resp: 322763
Ion Ratio Lower Upper
105 100
120 45.3 23.2 69.5



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

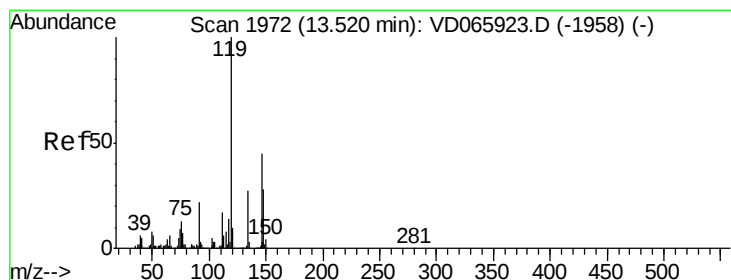
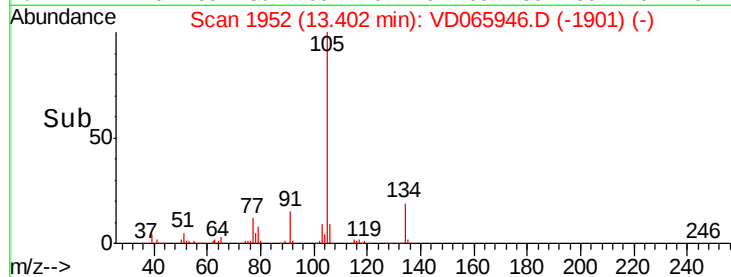
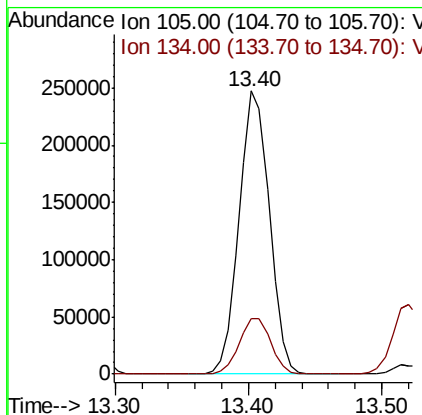
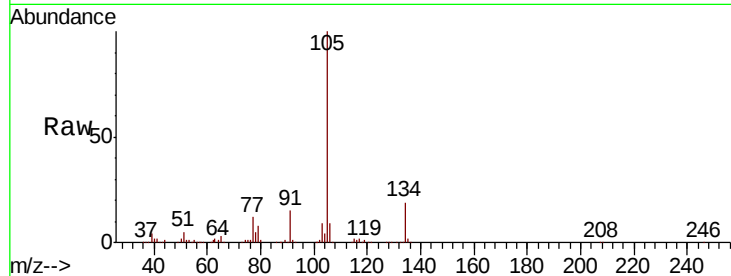




#85
 sec-Butylbenzene
 Concen: 20.853 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

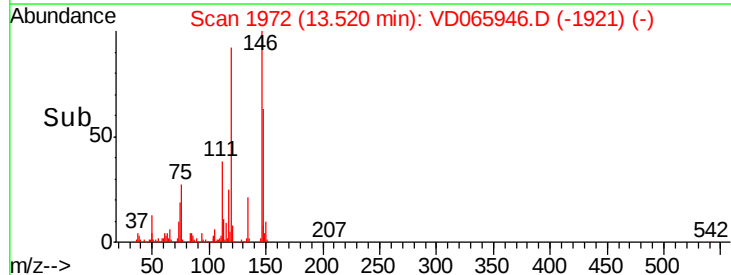
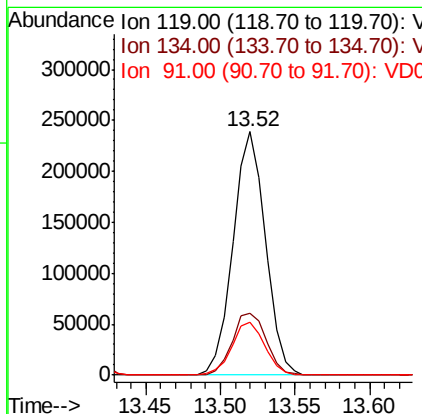
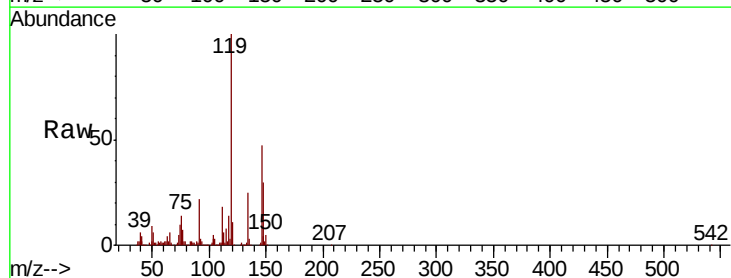
Instrument :
 MSVOA_D
 ClientSampled :

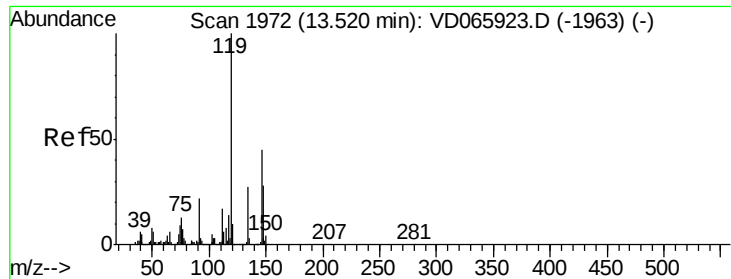
Tot Ion:105 Resp: 389341
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 21.171 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065946.D
 Acq: 10 Jul 2020 13:56

Tgt Ion:119 Resp: 361544
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 22.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 21.733 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

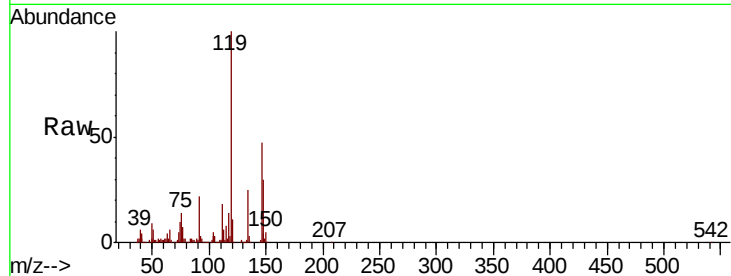
Tot Ion:146 Resp: 186479

Ion Ratio Lower Upper

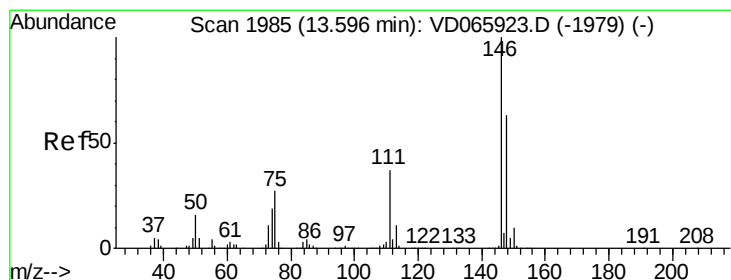
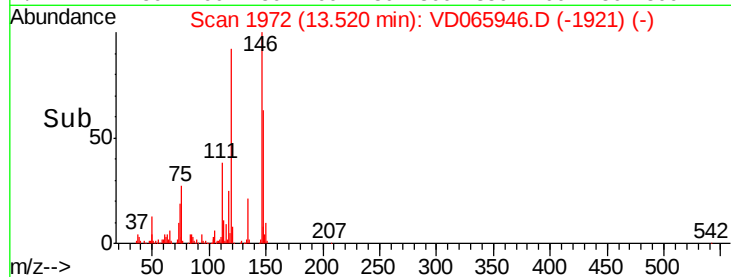
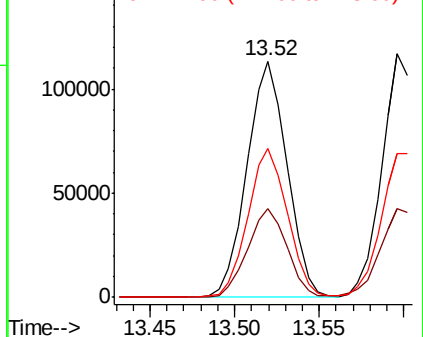
146 100

111 37.1 19.3 57.8

148 62.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.349 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

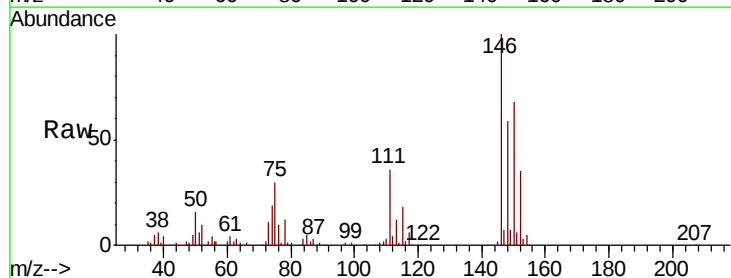
Tgt Ion:146 Resp: 182755

Ion Ratio Lower Upper

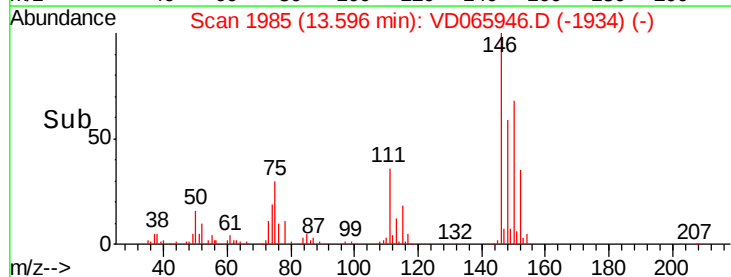
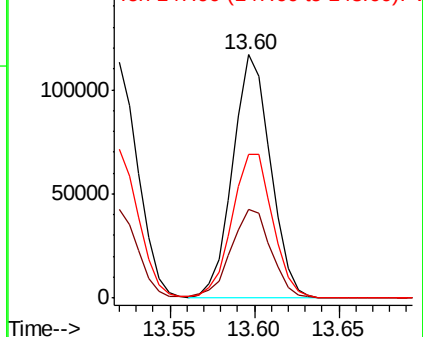
146 100

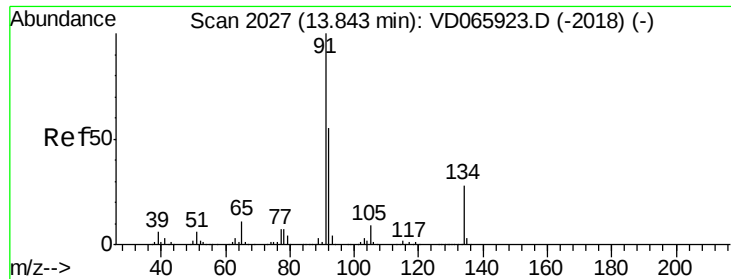
111 38.7 18.9 56.7

148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

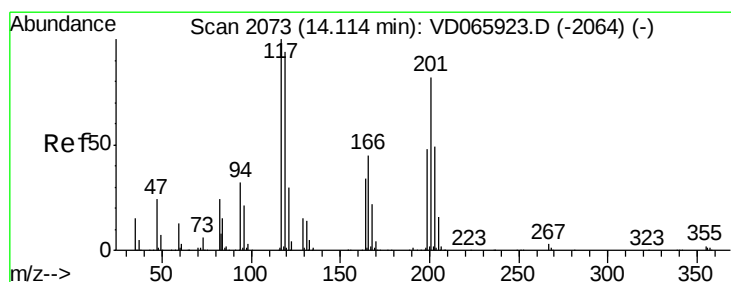
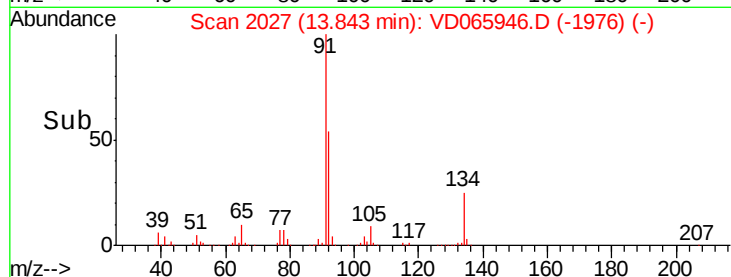
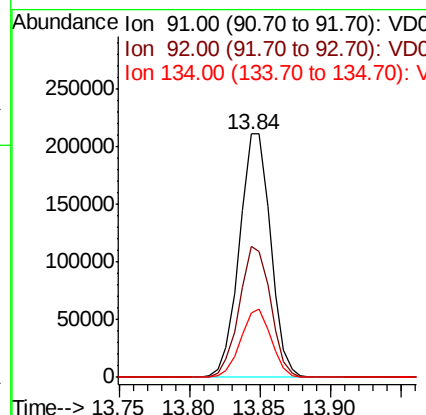
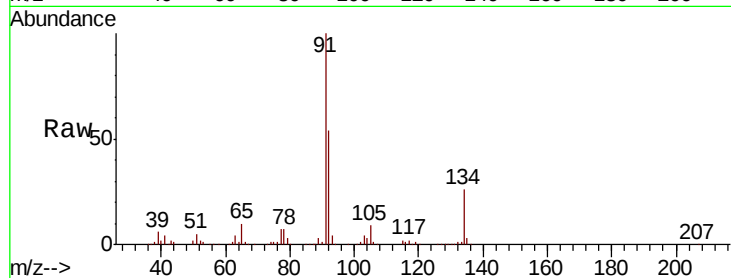




#89
n-Butylbenzene
Concen: 20.374 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

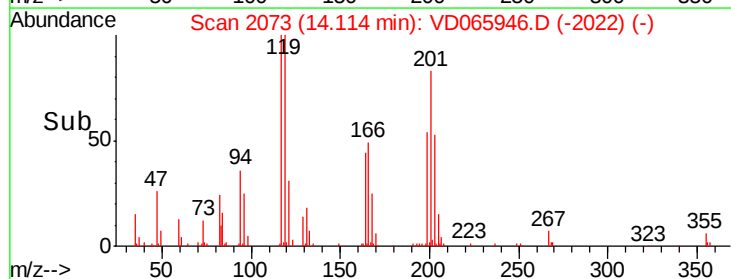
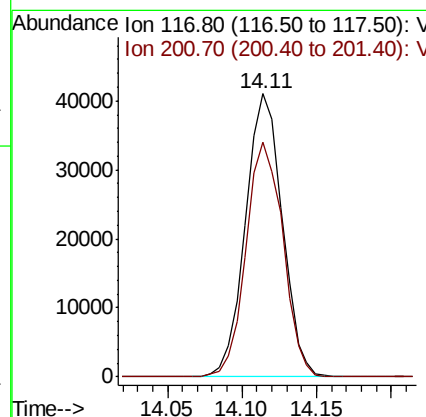
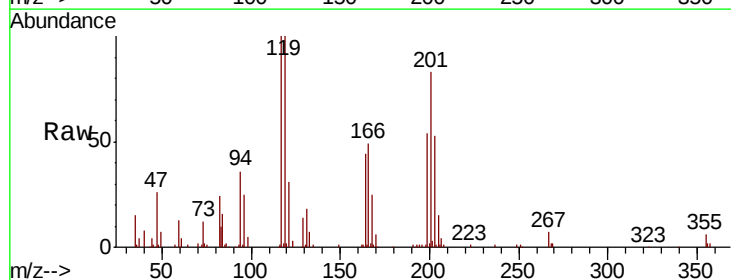
Instrument :
MSVOA_D
ClientSampleId :

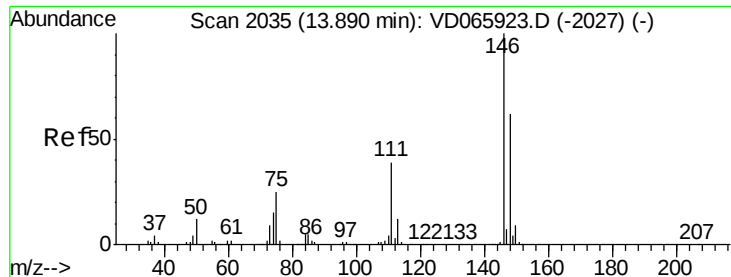
Tot Ion: 91 Resp: 326734
Ion Ratio Lower Upper
91 100
92 53.8 27.2 81.6
134 27.2 13.8 41.3



#90
Hexachloroethane
Concen: 20.318 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065946.D
Acq: 10 Jul 2020 13:56

Tgt Ion: 117 Resp: 69972
Ion Ratio Lower Upper
117 100
201 83.1 40.0 120.0





#91

1,2-Dichlorobenzene

Concen: 21.191 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampled :

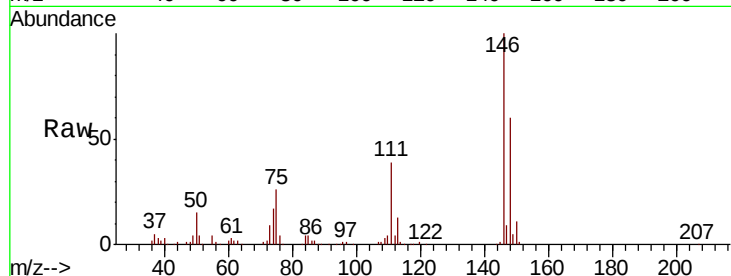
Tot Ion:146 Resp: 158920

Ion Ratio Lower Upper

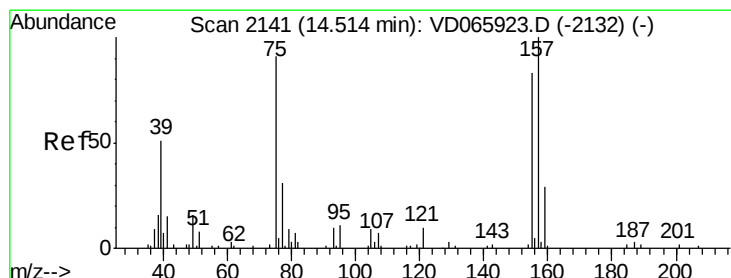
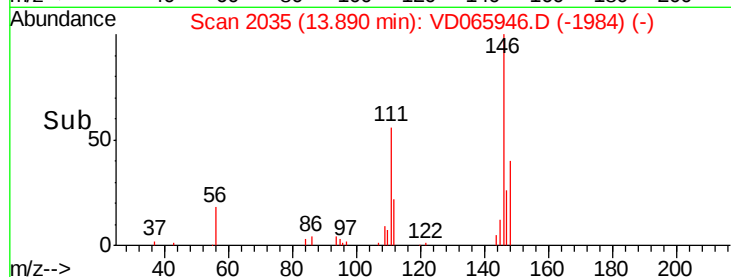
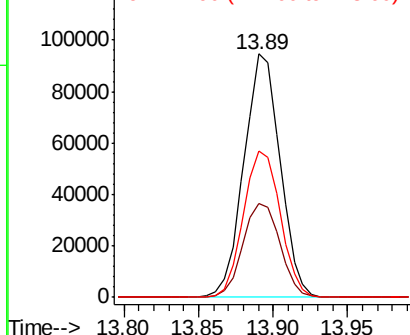
146 100

111 39.5 19.7 59.0

148 61.2 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.885 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

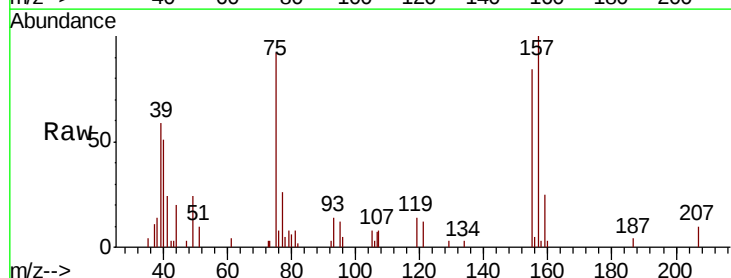
Tgt Ion: 75 Resp: 9387

Ion Ratio Lower Upper

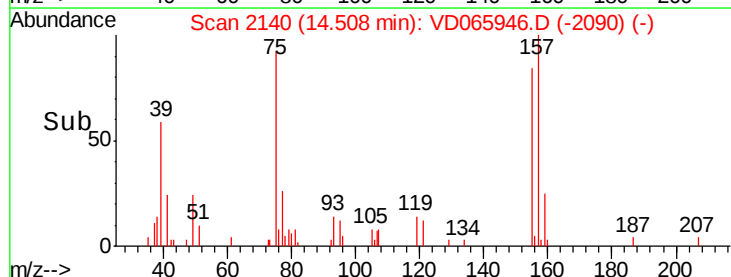
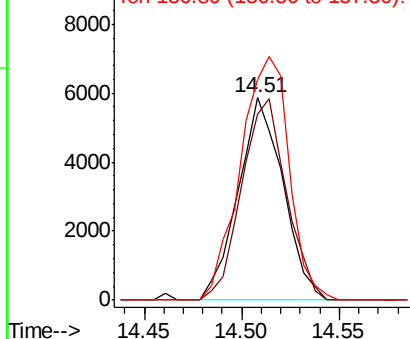
75 100

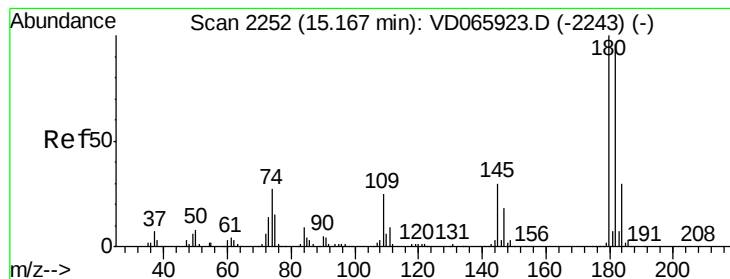
155 98.6 45.3 135.8

157 130.1 56.9 170.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.758 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

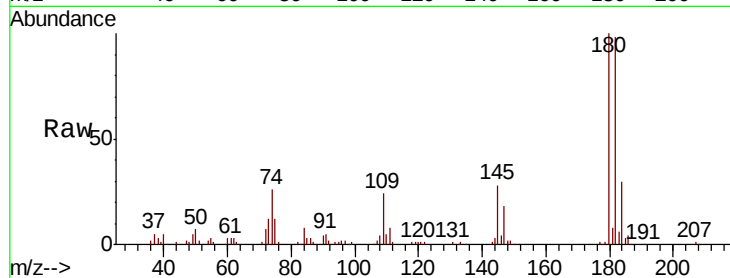
Tot Ion:180 Resp: 110951

Ion Ratio Lower Upper

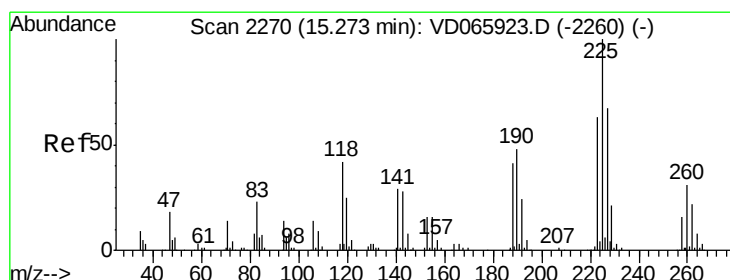
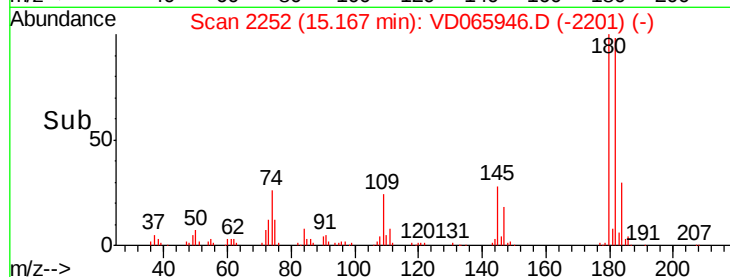
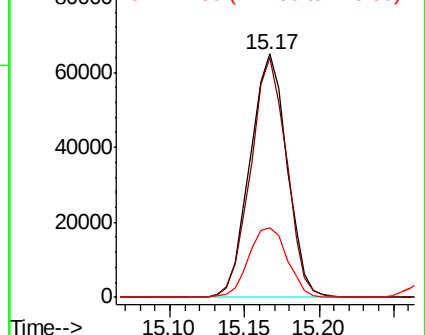
180 100

182 95.8 48.5 145.6

145 30.2 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.516 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

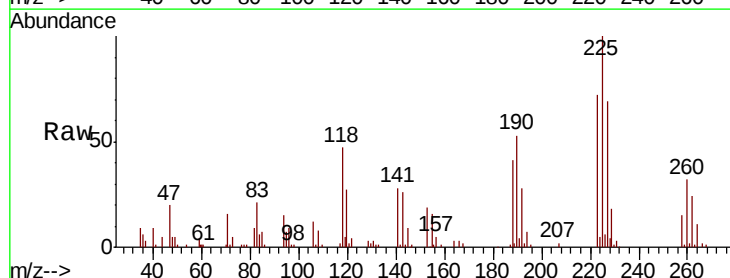
Tgt Ion:225 Resp: 66330

Ion Ratio Lower Upper

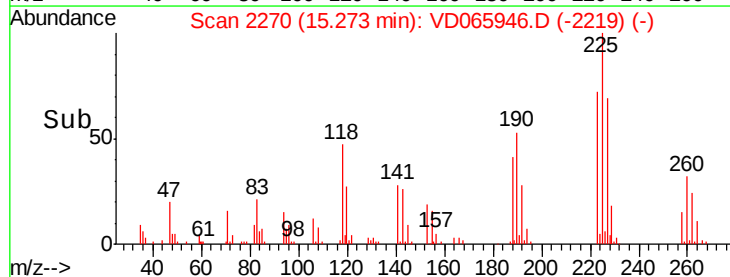
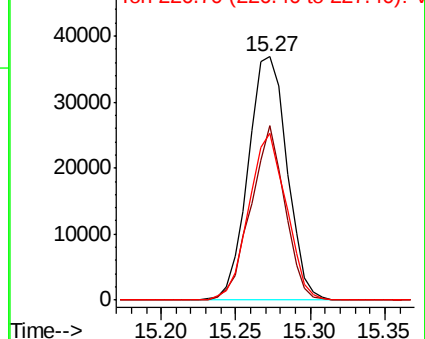
225 100

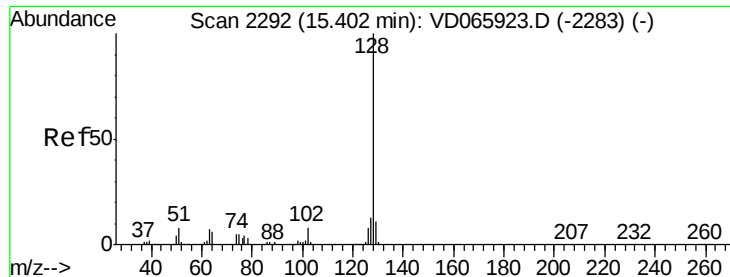
223 62.7 31.1 93.2

227 65.9 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.373 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

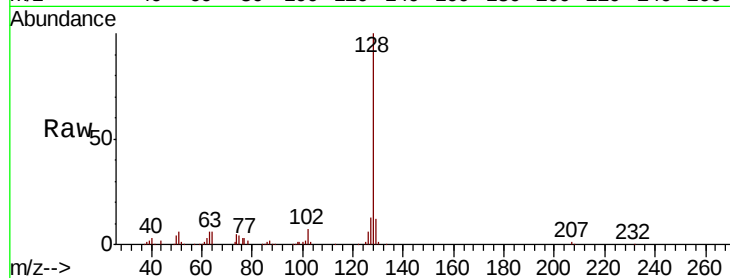
Tot Ion:128 Resp: 173662

Ion Ratio Lower Upper

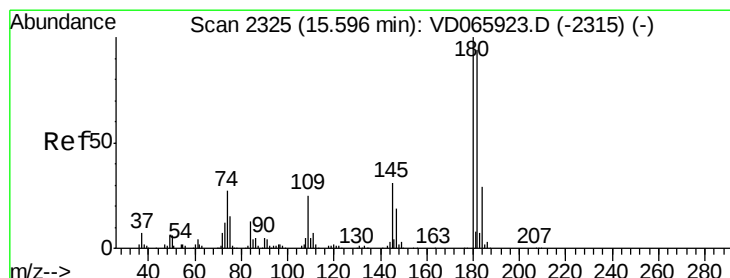
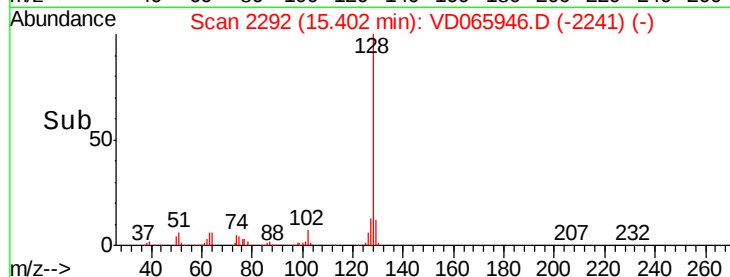
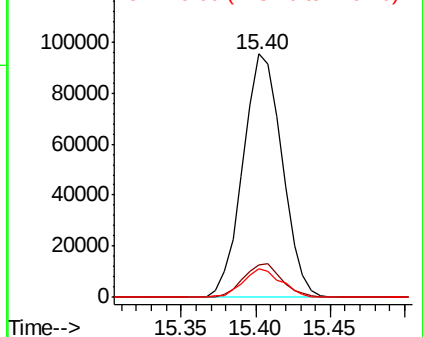
128 100

127 13.5 10.8 16.2

129 11.4 8.9 13.3



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: 21.257 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD065946.D

Acq: 10 Jul 2020 13:56

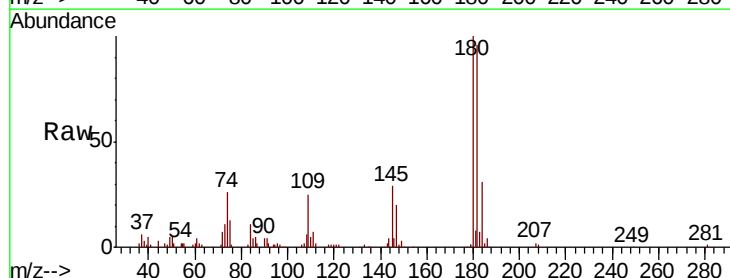
Tgt Ion:180 Resp: 98001

Ion Ratio Lower Upper

180 100

182 95.6 47.6 142.8

145 30.1 16.1 48.2



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

