

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066198.D
 Acq On : 11 Aug 2020 20:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 11 21:02:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	255404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	399493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	374413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	132727	58.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.50%	
35) Dibromofluoromethane	7.91	113	135112	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
50) Toluene-d8	10.34	98	506103	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
62) 4-Bromofluorobenzene	12.63	95	180605	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92374	41.051	ug/l	97
3) Chloromethane	2.21	50	83905	47.934	ug/l	97
4) Vinyl Chloride	2.35	62	78760	50.823	ug/l	97
5) Bromomethane	2.77	94	59879	58.240	ug/l	99
6) Chloroethane	2.93	64	51306	53.935	ug/l	92
7) Trichlorofluoromethane	3.27	101	184132	45.576	ug/l	92
8) Diethyl Ether	3.70	74	61457	53.910	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	110936	46.268	ug/l	98
10) Methyl Iodide	4.30	142	131711	58.950	ug/l	98
11) Tert butyl alcohol	5.22	59	38668	223.190	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	112504	49.739	ug/l	94
13) Acrolein	3.92	56	45852	252.808	ug/l	96
14) Allyl chloride	4.71	41	181209	52.881	ug/l	99
15) Acrylonitrile	5.42	53	132858	276.568	ug/l	99
16) Acetone	4.16	43	98140	226.994	ug/l	98
17) Carbon Disulfide	4.41	76	343409	47.750	ug/l	98
18) Methyl Acetate	4.71	43	60303	54.912	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	288685	55.684	ug/l	97
20) Methylene Chloride	4.97	84	150845	61.859	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	138627	53.351	ug/l	90
22) Diisopropyl ether	6.36	45	385995	56.962	ug/l	96
23) Vinyl Acetate	6.30	43	1111223	279.915	ug/l	99
24) 1,1-Dichloroethane	6.27	63	231824	55.280	ug/l	98
25) 2-Butanone	7.21	43	158143	248.692	ug/l	96
26) 2,2-Dichloropropane	7.21	77	171995	45.760	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	155699	57.129	ug/l	96
28) Bromochloromethane	7.54	49	88567	60.131	ug/l	97
29) Tetrahydrofuran	7.56	42	103812	263.495	ug/l	98
30) Chloroform	7.71	83	248365	56.402	ug/l	96
31) Cyclohexane	7.98	56	176690	44.261	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	217438	52.665	ug/l	100
36) 1,1-Dichloropropene	8.11	75	176541	47.027	ug/l	99
37) Ethyl Acetate	7.28	43	74992	50.418	ug/l	96
38) Carbon Tetrachloride	8.09	117	196191	46.865	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	199654	43.996	ug/l	96
40) Benzene	8.35	78	533656	51.244	ug/l	95
41) Methacrylonitrile	7.56	41	106225	121.463	ug/l #	21
42) 1,2-Dichloroethane	8.43	62	159516	52.141	ug/l	100
43) Isopropyl Acetate	8.45	43	146565	50.012	ug/l	99
44) Trichloroethene	9.11	130	156895	49.997	ug/l	91
45) 1,2-Dichloropropane	9.38	63	132328	51.955	ug/l	98
46) Dibromomethane	9.47	93	73040	52.062	ug/l	97
47) Bromodichloromethane	9.66	83	196285	52.936	ug/l	95
48) Methyl methacrylate	9.45	41	72405	48.385	ug/l #	88
49) 1,4-Dioxane	9.46	88	16260	902.117	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	380868	253.013	ug/l	100
52) Toluene	10.40	92	351964	51.362	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	180781	51.375	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	212521	51.547	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	105740	52.342	ug/l	97
56) Ethyl methacrylate	10.66	69	126719	52.216	ug/l	100
57) 1,3-Dichloropropane	10.94	76	174582	52.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	316328	289.781	ug/l	99
59) 2-Hexanone	10.98	43	259531	245.659	ug/l	99
60) Dibromochloromethane	11.14	129	142941	51.252	ug/l	97
61) 1,2-Dibromoethane	11.24	107	101455	52.221	ug/l	100
64) Tetrachloroethene	10.87	164	137340	47.769	ug/l	96
65) Chlorobenzene	11.67	112	387571	50.991	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	152732	51.357	ug/l	100
67) Ethyl Benzene	11.74	91	661964	50.258	ug/l	99
68) m/p-Xylenes	11.86	106	517196	101.349	ug/l	99
69) o-Xylene	12.18	106	243521	52.459	ug/l	98
70) Styrene	12.20	104	428838	52.712	ug/l	99
71) Bromoform	12.36	173	86507	49.096	ug/l #	99
73) Isopropylbenzene	12.48	105	658298	52.412	ug/l	100
74) N-amyl acetate	12.29	43	140052	50.637	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	108384	50.606	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	142849	91.038	ug/l #	100
77) Bromobenzene	12.76	156	169033	52.280	ug/l	99
78) n-propylbenzene	12.82	91	748059	51.236	ug/l	99
79) 2-Chlorotoluene	12.91	91	440959	52.807	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	552547	52.603	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33110	46.645	ug/l	93
82) 4-Chlorotoluene	13.01	91	464787	52.727	ug/l	100
83) tert-Butylbenzene	13.23	119	468195	50.683	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	559572	53.231	ug/l	100
85) sec-Butylbenzene	13.40	105	629472	50.470	ug/l	100
86) p-Isopropyltoluene	13.52	119	591497	50.565	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	314885	51.818	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	316501	52.226	ug/l	99
89) n-Butylbenzene	13.85	91	525973	50.185	ug/l	100
90) Hexachloroethane	14.11	117	117969	50.565	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	277344	51.607	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17495	47.529	ug/l	95

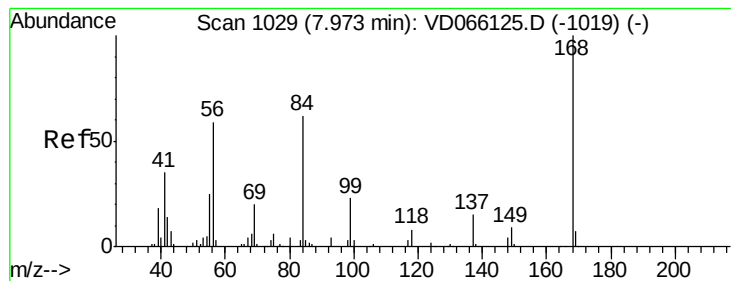
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	197974	49.989	ug/l	100
94) Hexachlorobutadiene	15.27	225	111088	47.634	ug/l	99
95) Naphthalene	15.41	128	342487	53.073	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	178341	51.011	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

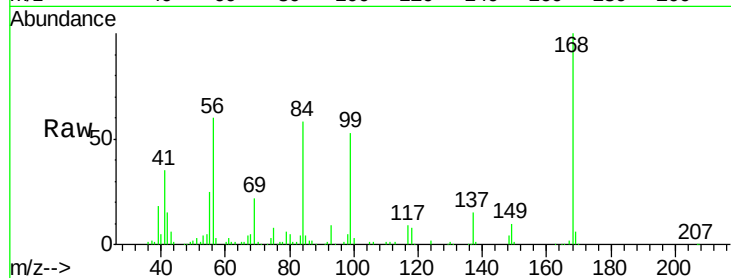
VSTDCCC050EC

Tgt Ion:168 Resp: 255404

Ion Ratio Lower Upper

168 100

99 52.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

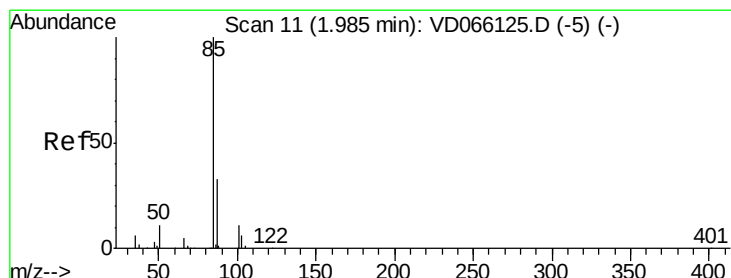
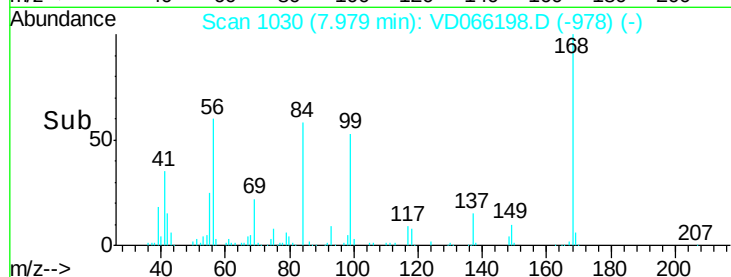
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.051 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066198.D

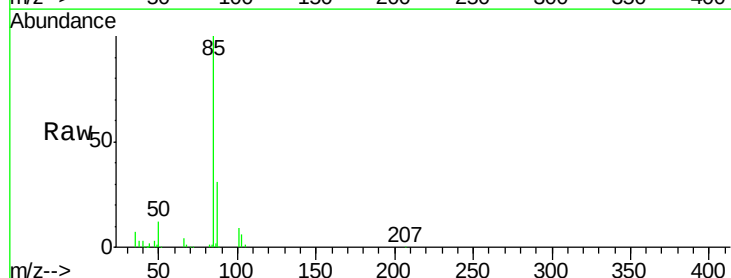
Acq: 11 Aug 2020 20:35

Tgt Ion: 85 Resp: 92374

Ion Ratio Lower Upper

85 100

87 30.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

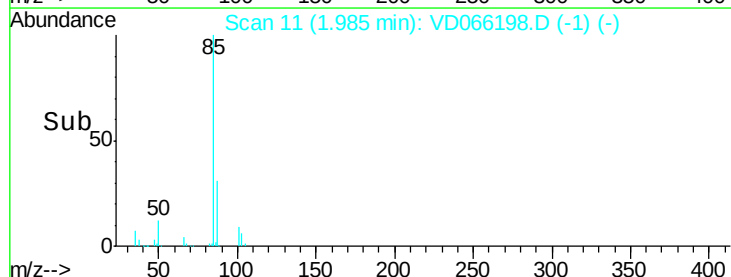
40000

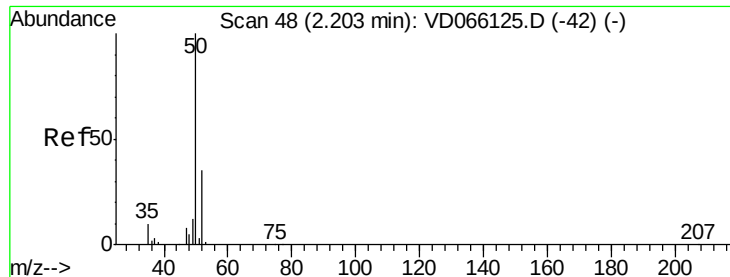
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 47.934 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

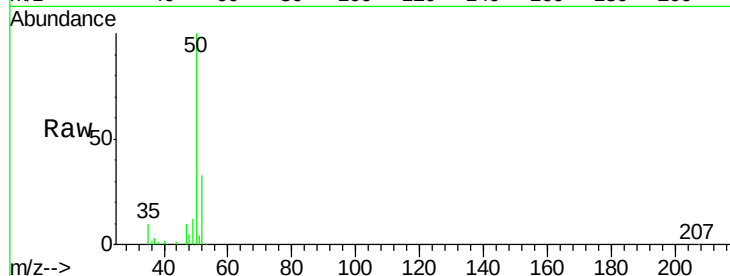
VSTDCCC050EC

Tgt Ion: 50 Resp: 83905

Ion Ratio Lower Upper

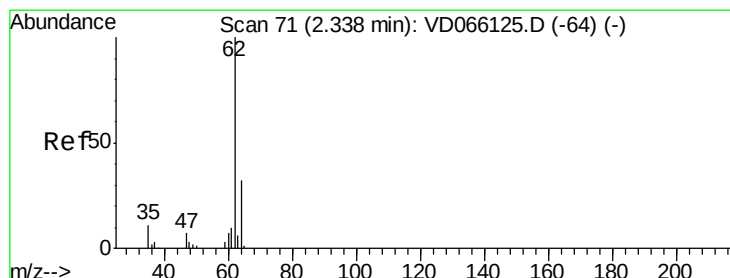
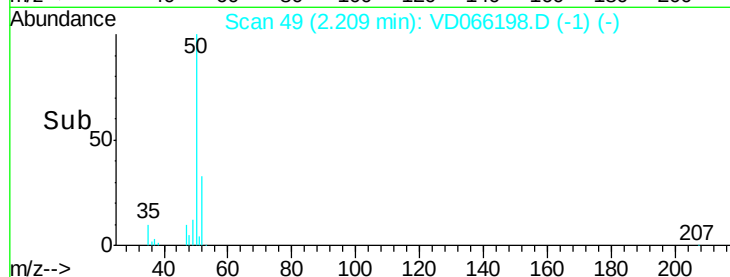
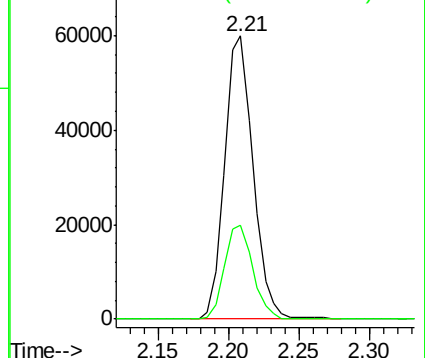
50 100

52 33.4 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.823 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066198.D

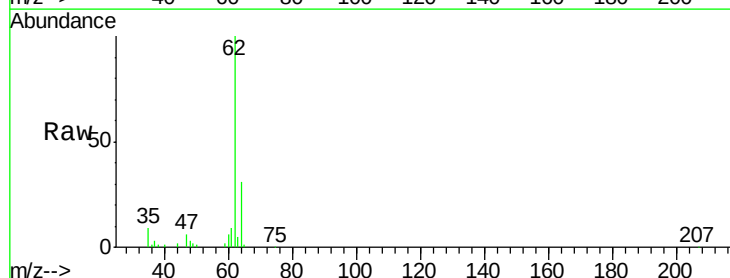
Acq: 11 Aug 2020 20:35

Tgt Ion: 62 Resp: 78760

Ion Ratio Lower Upper

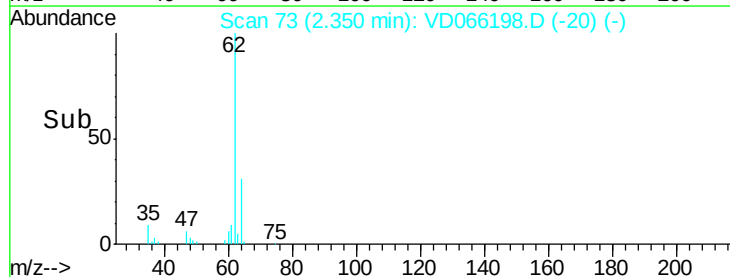
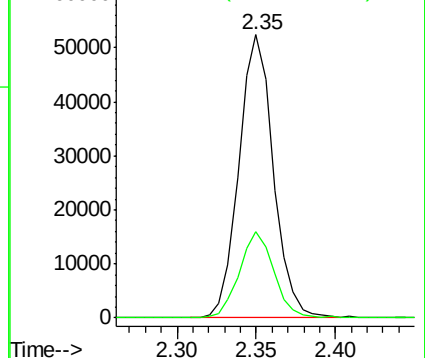
62 100

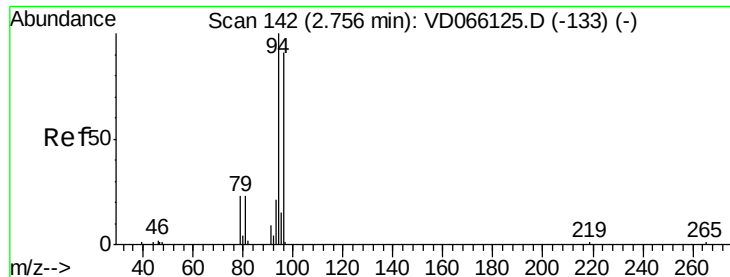
64 30.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 58.240 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

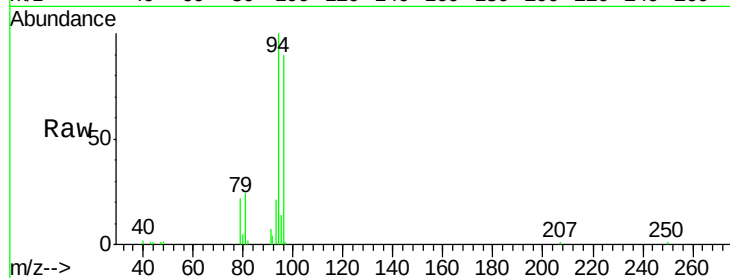
VSTDCCC050EC

Tgt Ion: 94 Resp: 59879

Ion Ratio Lower Upper

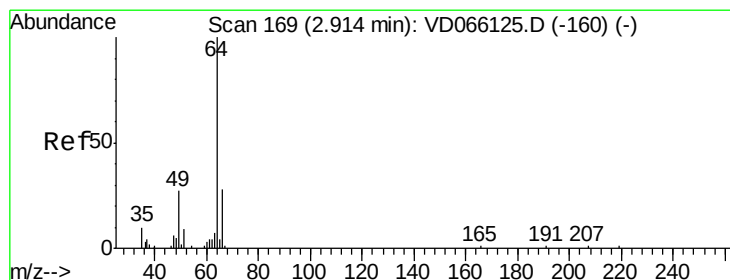
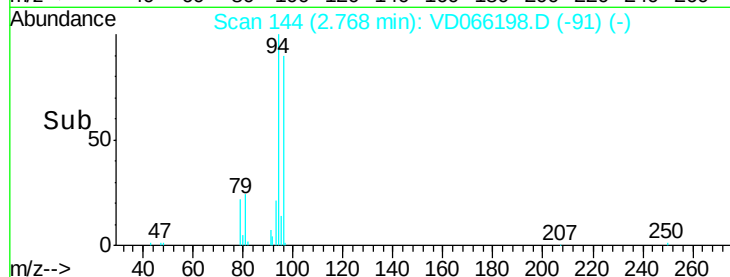
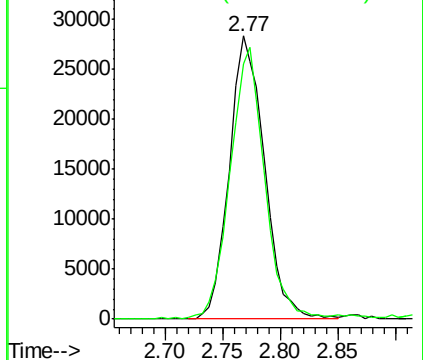
94 100

96 89.7 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.935 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066198.D

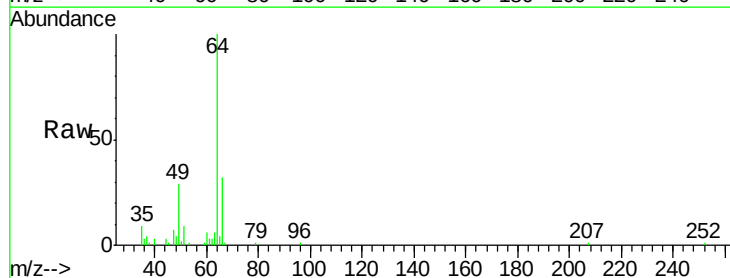
Acq: 11 Aug 2020 20:35

Tgt Ion: 64 Resp: 51306

Ion Ratio Lower Upper

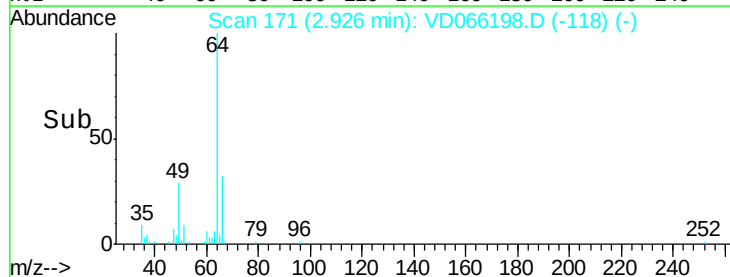
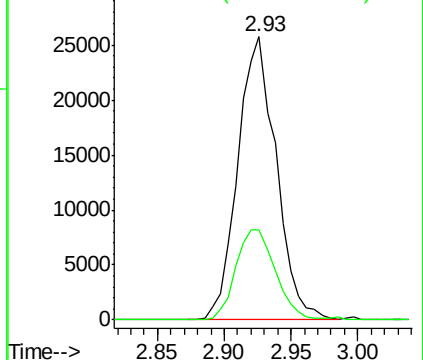
64 100

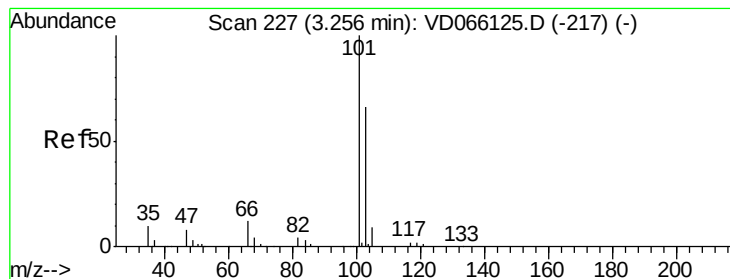
66 31.7 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



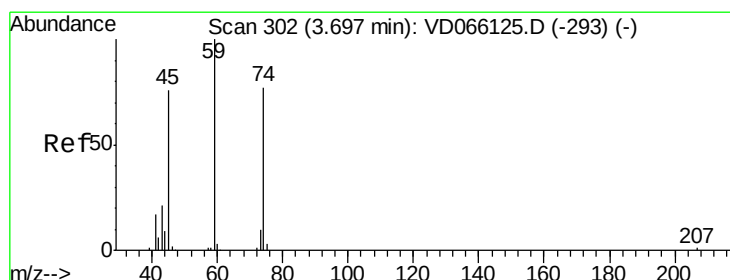
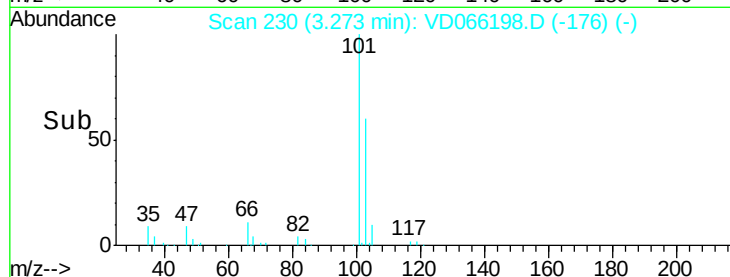
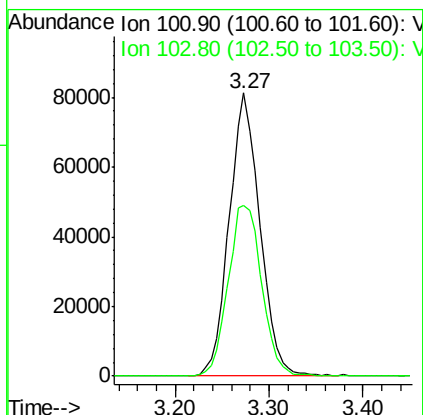
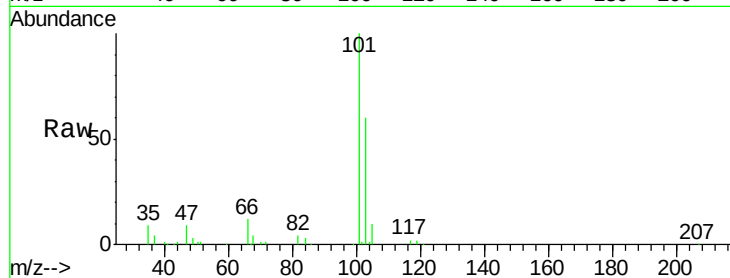


#7

Trichlorofluoromethane
Concen: 45.576 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Instrument :
MSVOA_D
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VSTDCCC050EC

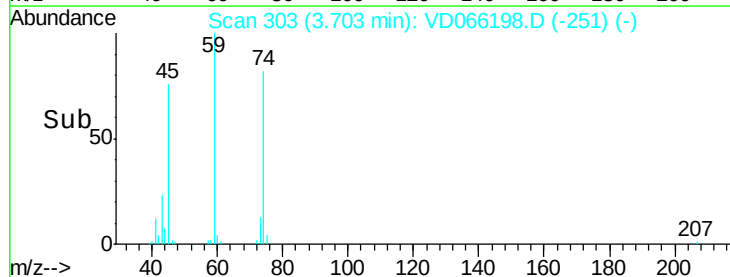
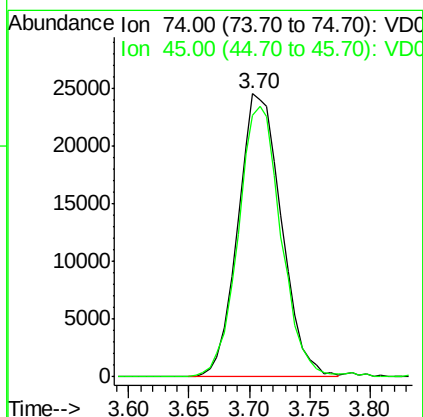
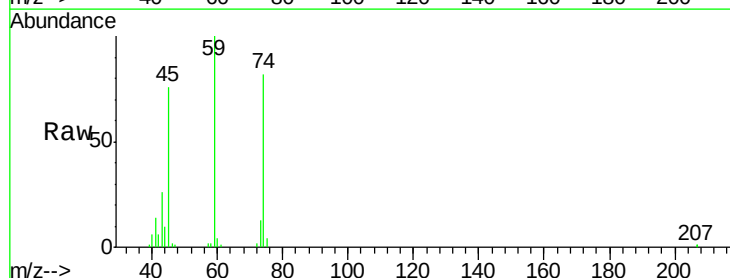
Tgt Ion:101 Resp: 184132
Ion Ratio Lower Upper
101 100
103 60.1 53.0 79.6

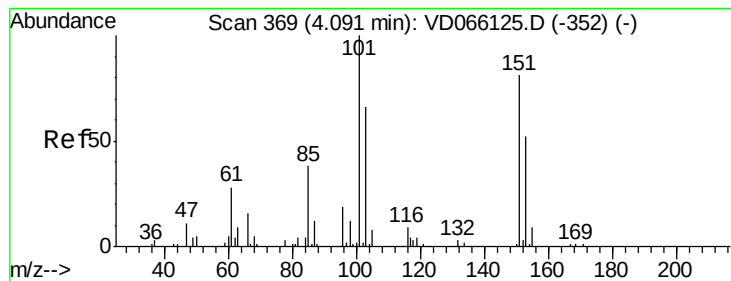


#8

Diethyl Ether
Concen: 53.910 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion: 74 Resp: 61457
Ion Ratio Lower Upper
74 100
45 94.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.268 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

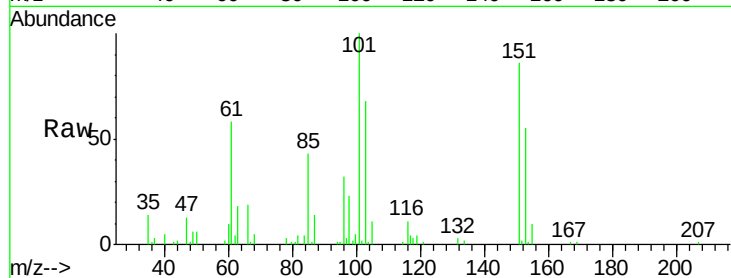
Tgt Ion:101 Resp: 110936

Ion Ratio Lower Upper

101 100

85 42.5 33.5 50.3

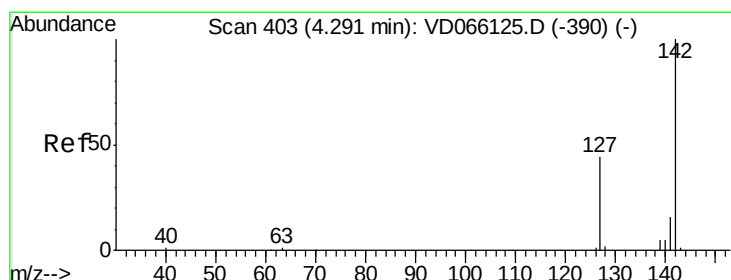
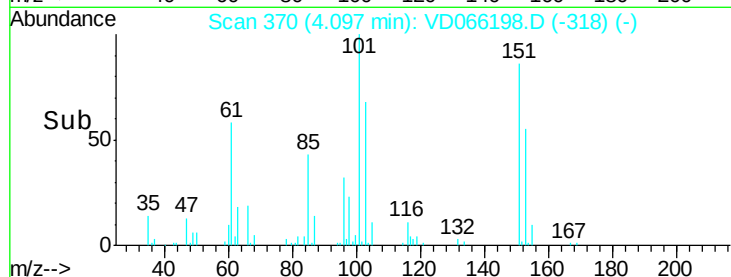
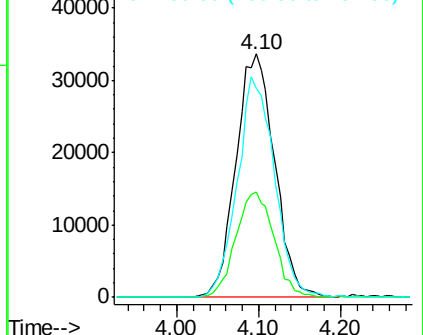
151 86.7 67.8 101.8



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: 58.950 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

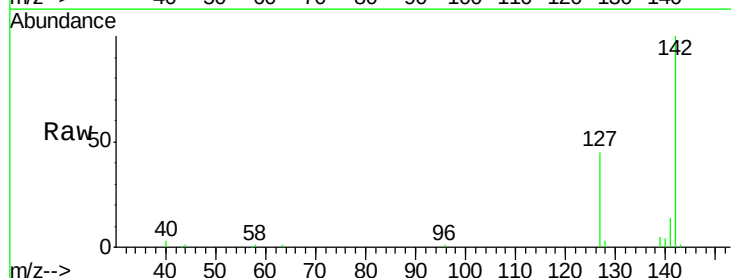
Tgt Ion:142 Resp: 131711

Ion Ratio Lower Upper

142 100

127 44.4 36.2 54.4

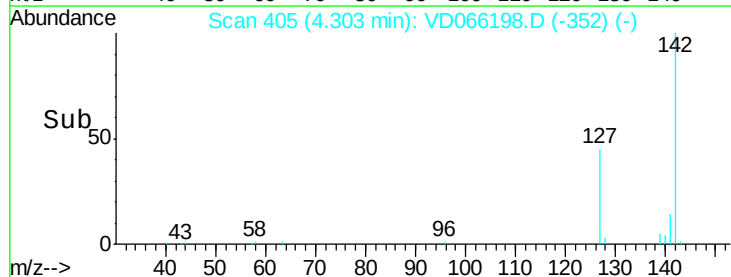
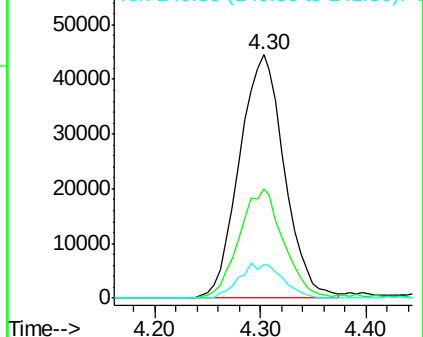
141 14.0 12.6 18.8

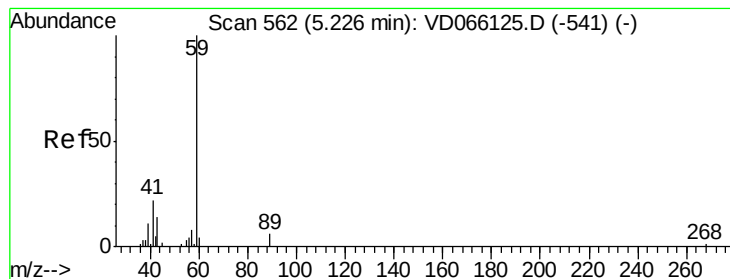


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 223.190 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

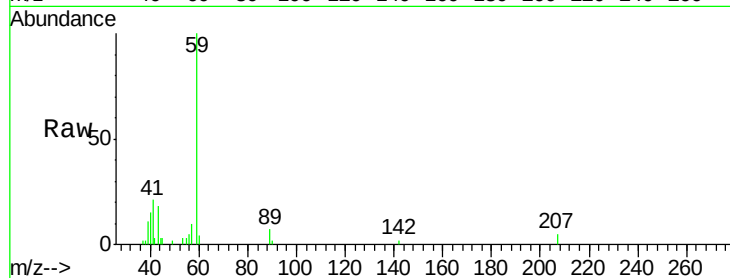
VSTDCCC050EC

Tgt Ion: 59 Resp: 38668

Ion Ratio Lower Upper

59 100

57 11.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

12000

10000

8000

6000

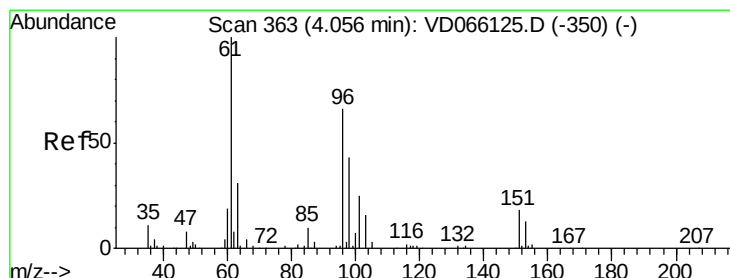
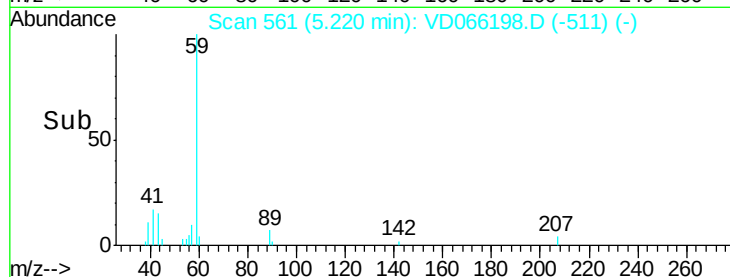
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 49.739 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

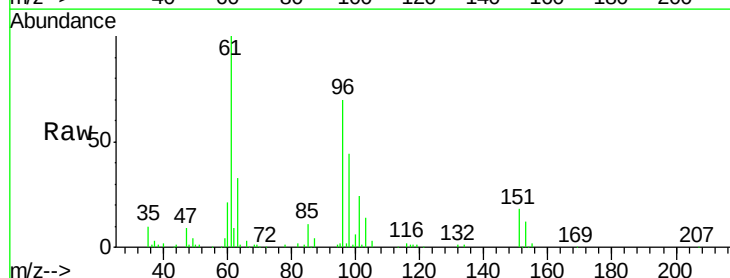
Tgt Ion: 96 Resp: 112504

Ion Ratio Lower Upper

96 100

61 143.2 121.6 182.4

98 62.4 52.0 78.0



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

80000

60000

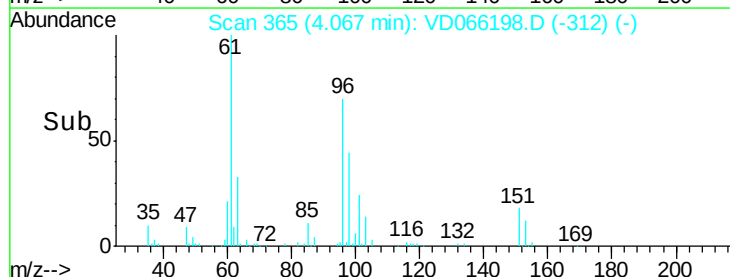
40000

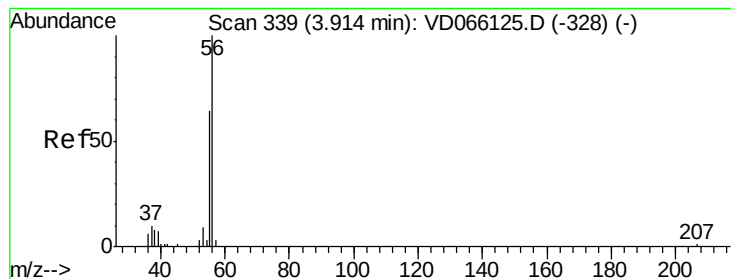
20000

0

Time-->

3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 252.808 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

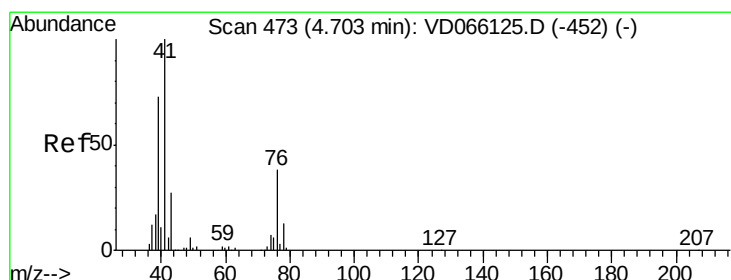
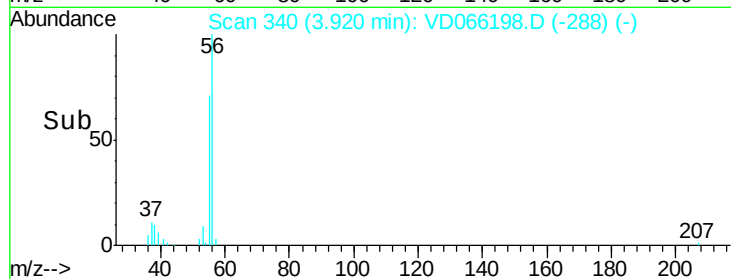
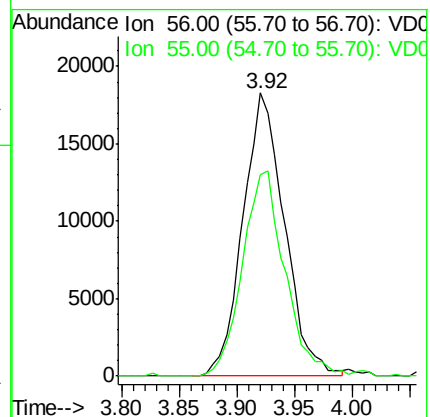
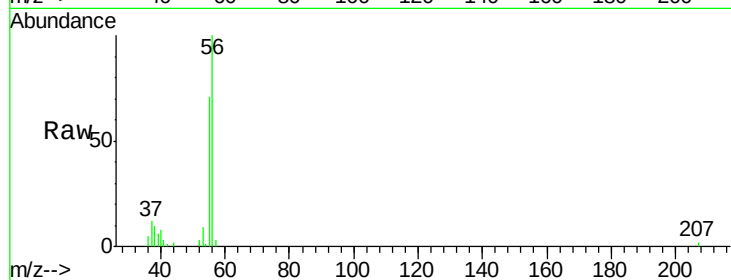
VSTDCCC050EC

Tgt Ion: 56 Resp: 45852

Ion Ratio Lower Upper

56 100

55 73.8 56.7 85.1



#14

Allyl chloride

Concen: 52.881 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

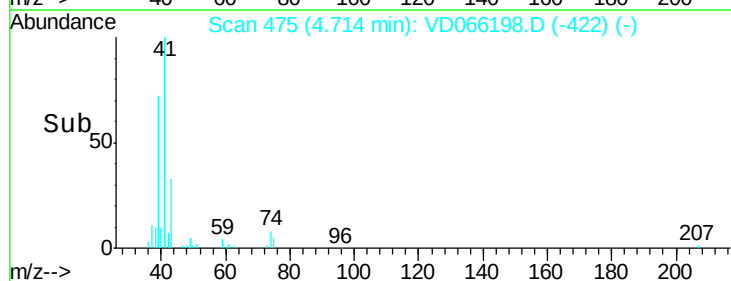
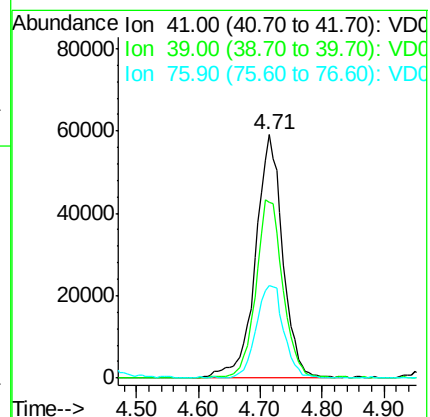
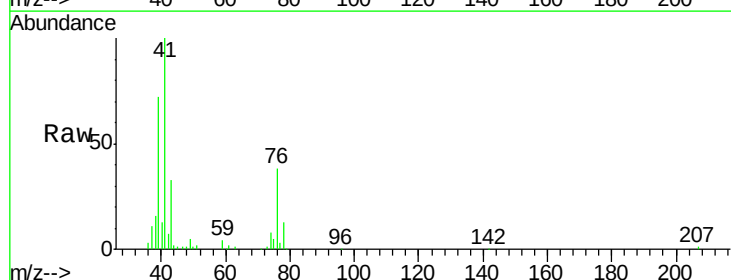
Tgt Ion: 41 Resp: 181209

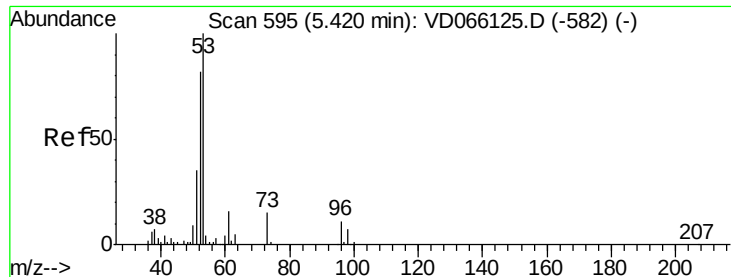
Ion Ratio Lower Upper

41 100

39 72.5 57.4 86.0

76 38.5 30.1 45.1





#15

Acrylonitrile

Concen: 276.568 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

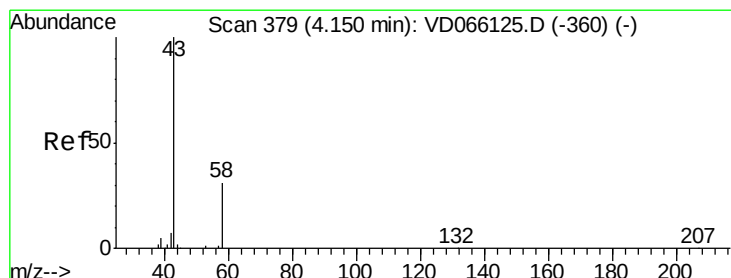
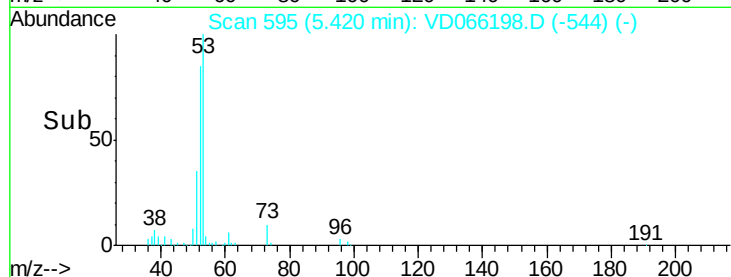
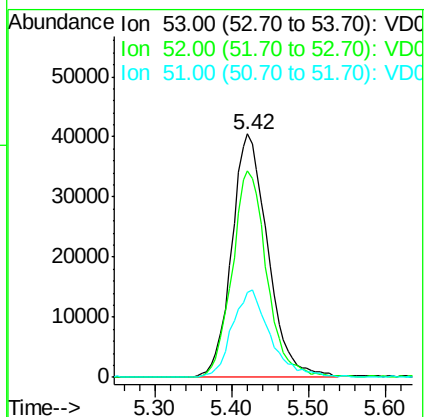
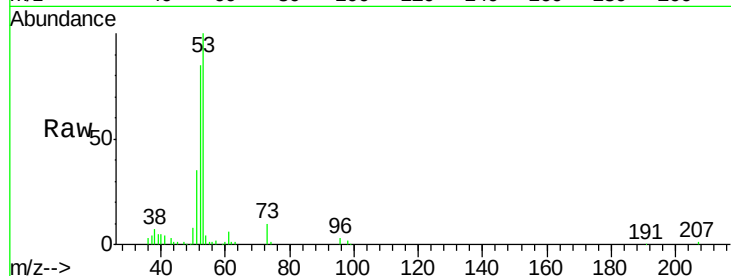
Tgt Ion: 53 Resp: 132858

Ion Ratio Lower Upper

53 100

52 81.3 66.1 99.1

51 37.7 30.8 46.2



#16

Acetone

Concen: 226.994 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066198.D

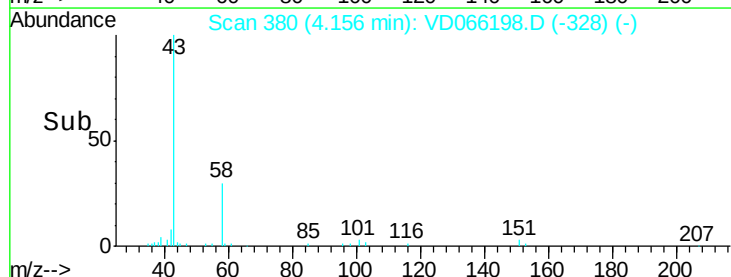
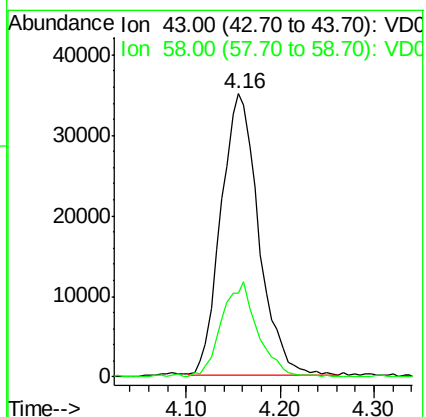
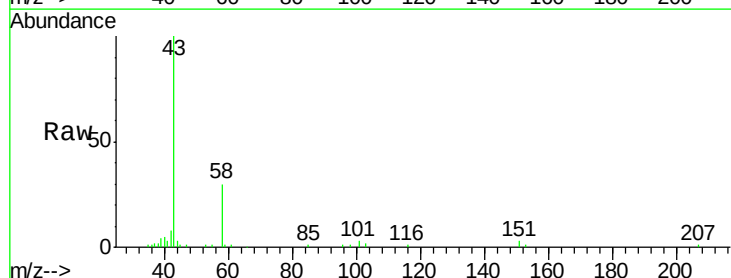
Acq: 11 Aug 2020 20:35

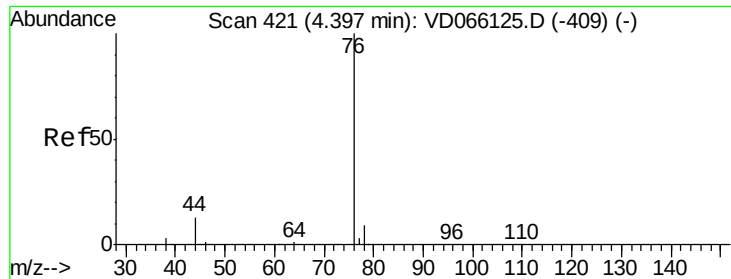
Tgt Ion: 43 Resp: 98140

Ion Ratio Lower Upper

43 100

58 29.8 24.7 37.1





#17

Carbon Disulfide

Concen: 47.750 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

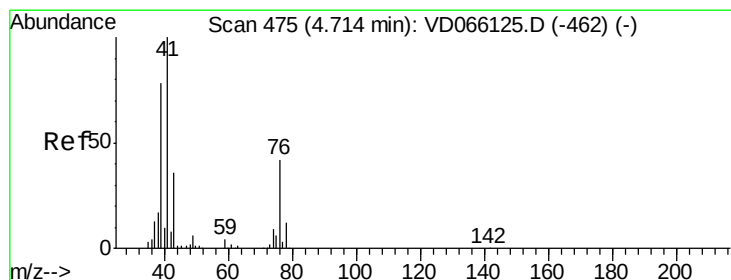
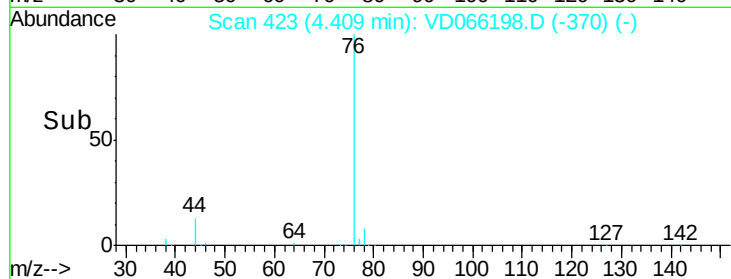
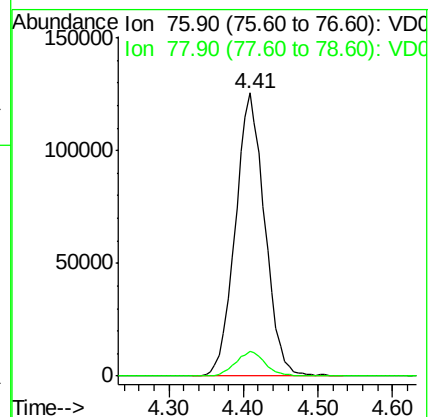
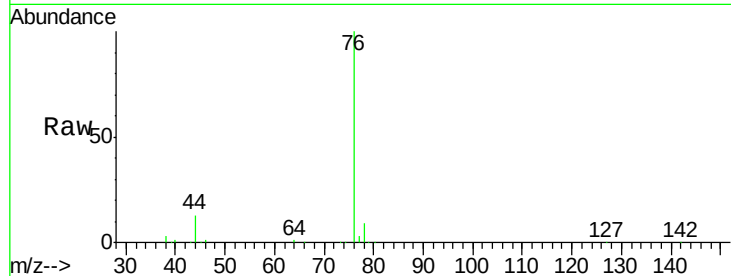
VSTDCCC050EC

Tgt Ion: 76 Resp: 343409

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



#18

Methyl Acetate

Concen: 54.912 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066198.D

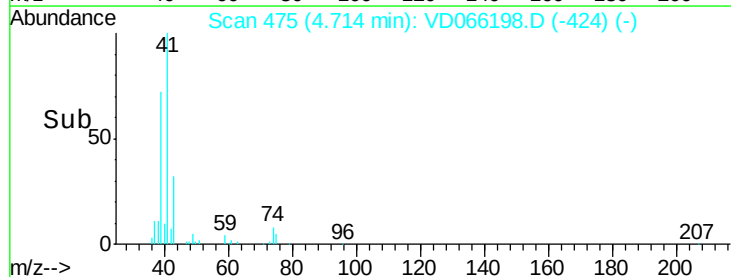
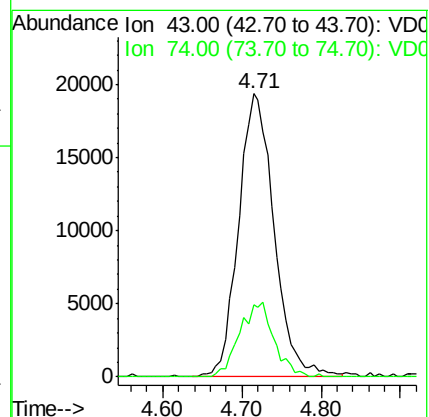
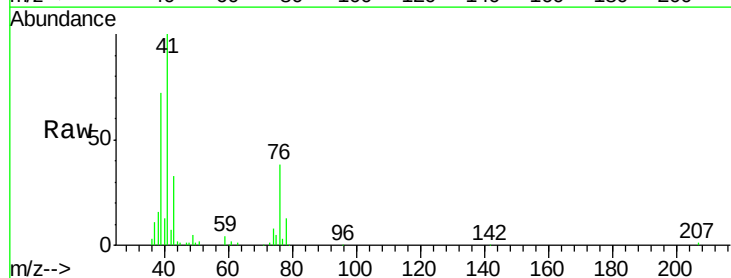
Acq: 11 Aug 2020 20:35

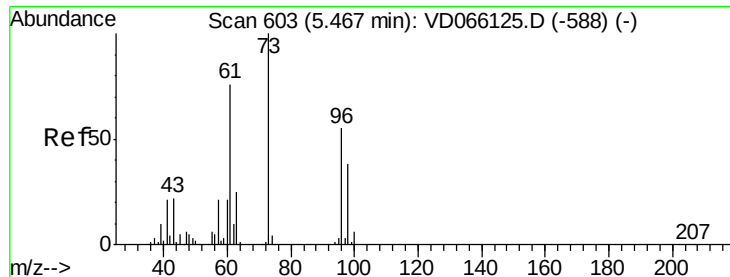
Tgt Ion: 43 Resp: 60303

Ion Ratio Lower Upper

43 100

74 25.3 21.2 31.8

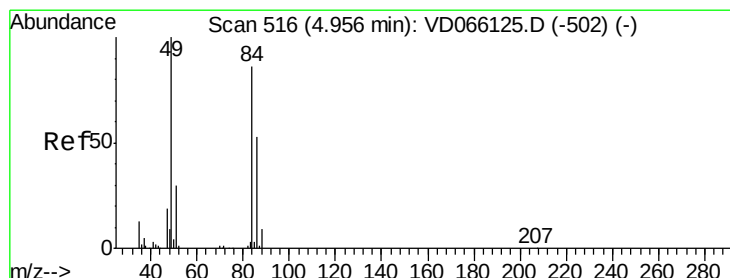
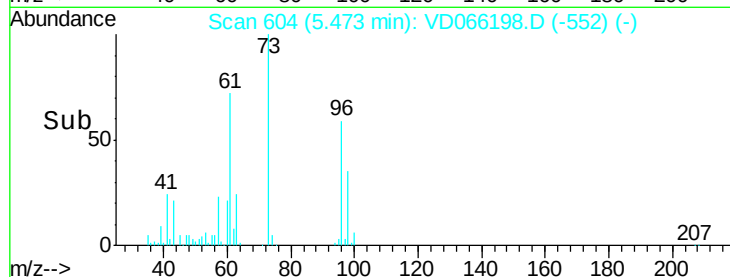
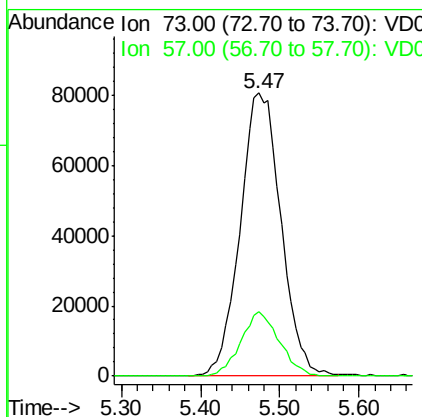
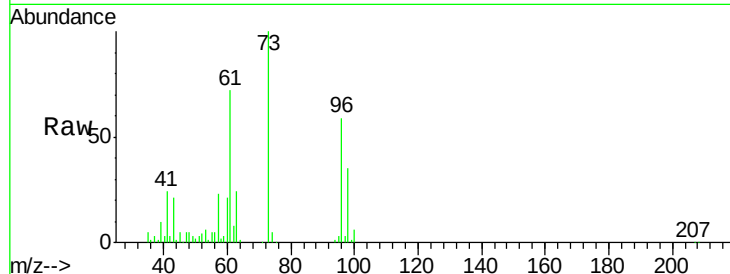




#19
Methyl tert-butyl Ether
Concen: 55.684 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

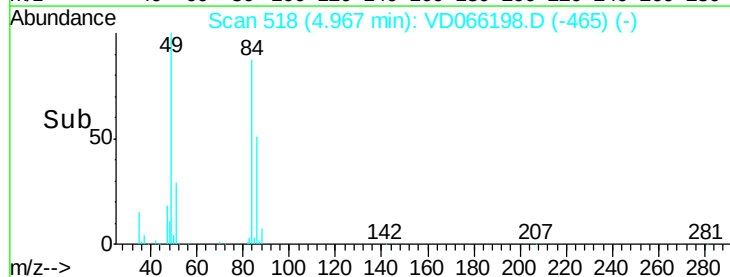
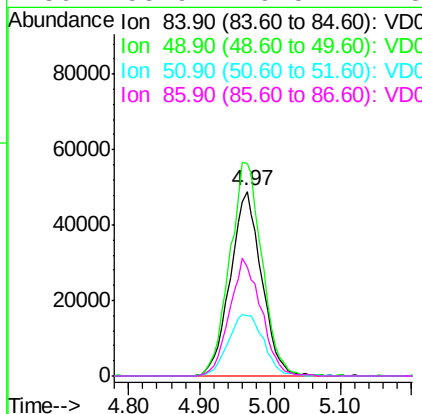
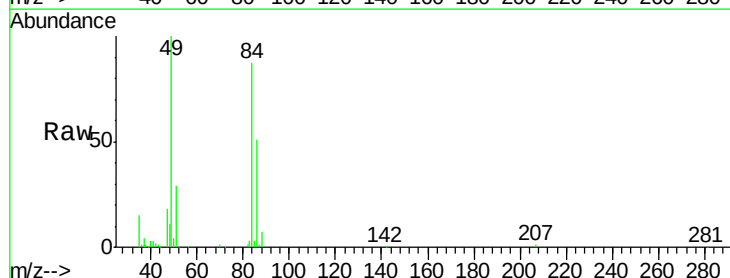
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

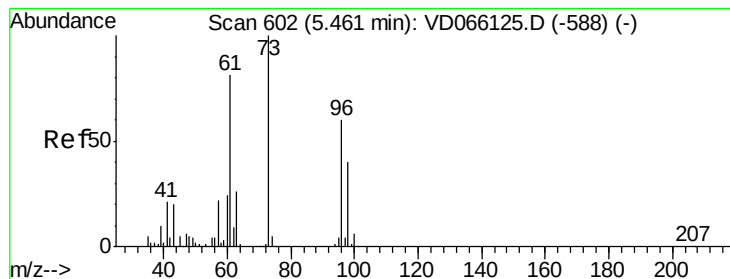
Tgt Ion: 73 Resp: 288685
Ion Ratio Lower Upper
73 100
57 22.9 17.1 25.7



#20
Methylene Chloride
Concen: 61.859 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion: 84 Resp: 150845
Ion Ratio Lower Upper
84 100
49 114.9 93.5 140.3
51 32.9 28.2 42.4
86 58.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 53.351 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

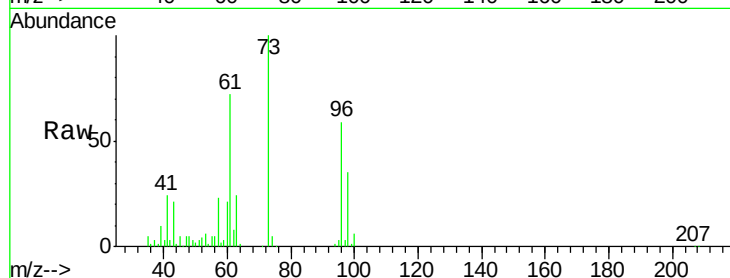
Tgt Ion: 96 Resp: 138627

Ion Ratio Lower Upper

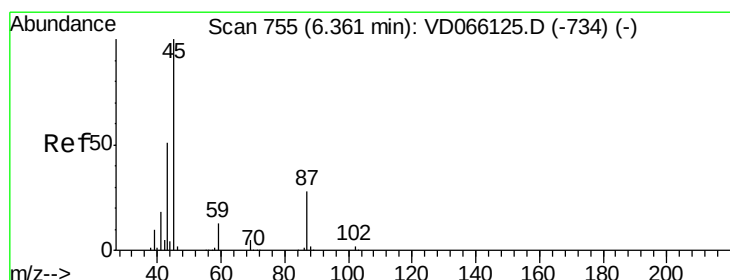
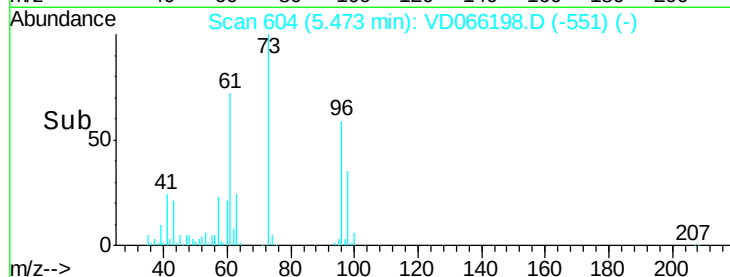
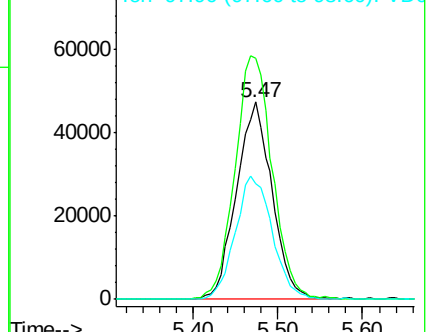
96 100

61 122.0 106.9 160.3

98 58.9 53.4 80.0



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



#22

Diisopropyl ether

Concen: 56.962 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Tgt Ion: 45 Resp: 385995

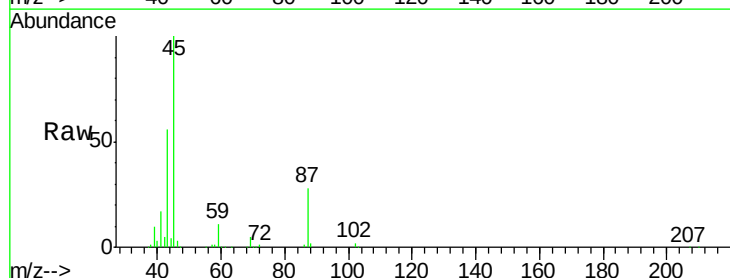
Ion Ratio Lower Upper

45 100

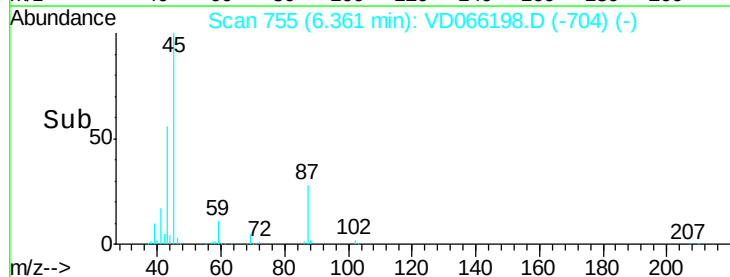
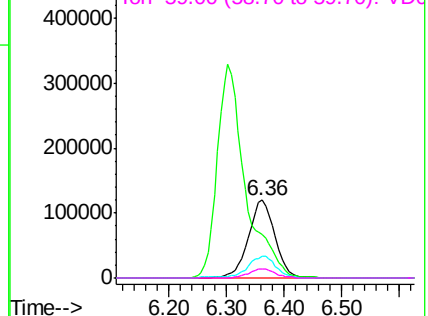
43 55.8 41.2 61.8

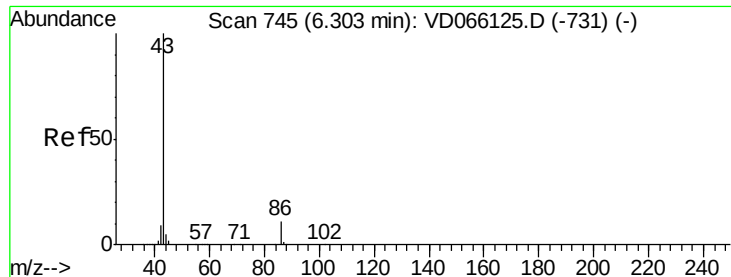
87 28.0 22.8 34.2

59 11.4 10.2 15.2



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: 279.915 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

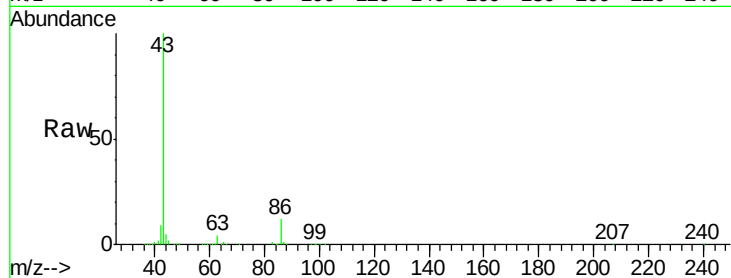
VSTDCCC050EC

Tgt Ion: 43 Resp: 1111223

Ion Ratio Lower Upper

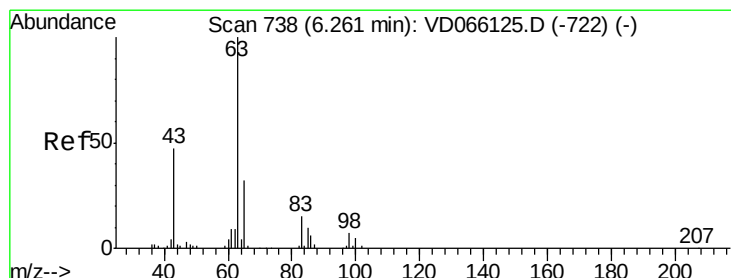
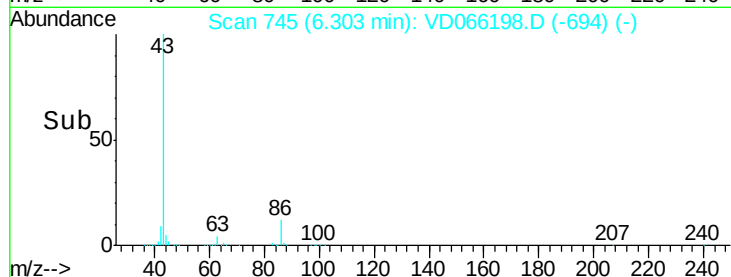
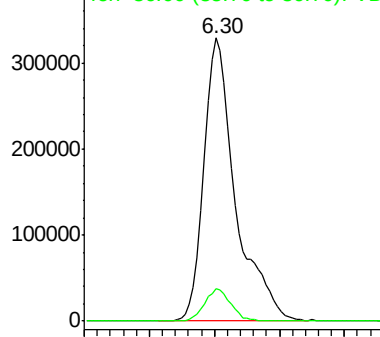
43 100

86 11.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.280 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

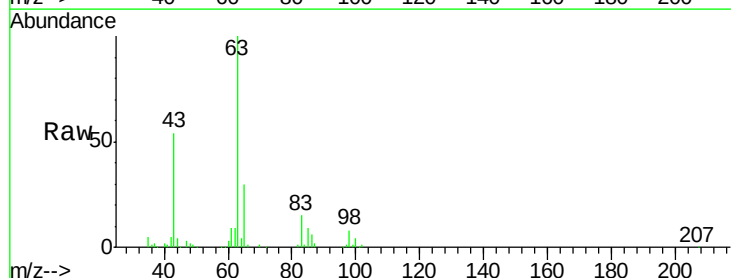
Tgt Ion: 63 Resp: 231824

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

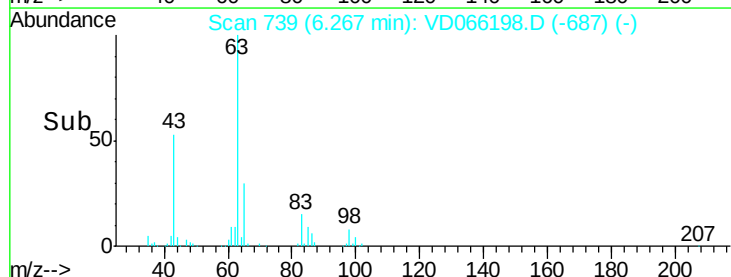
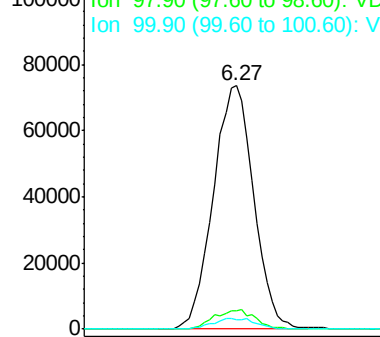
100 4.0 2.4 7.2

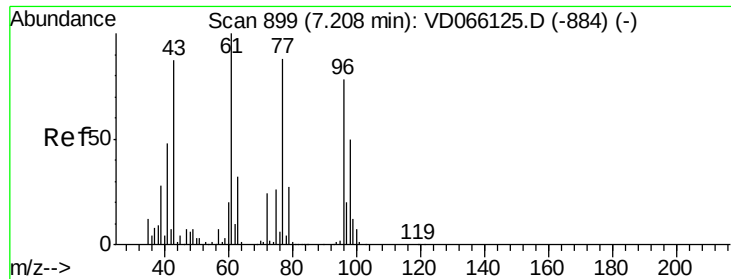


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 248.692 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

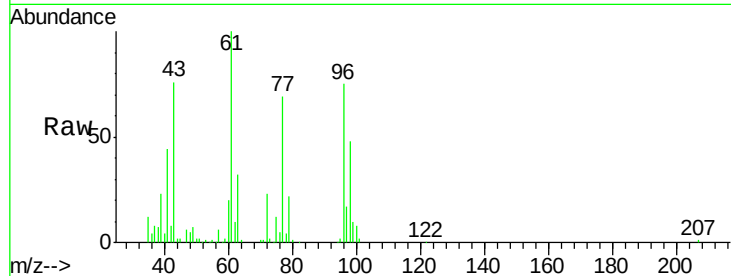
VSTDCCC050EC

Tgt Ion: 43 Resp: 158143

Ion Ratio Lower Upper

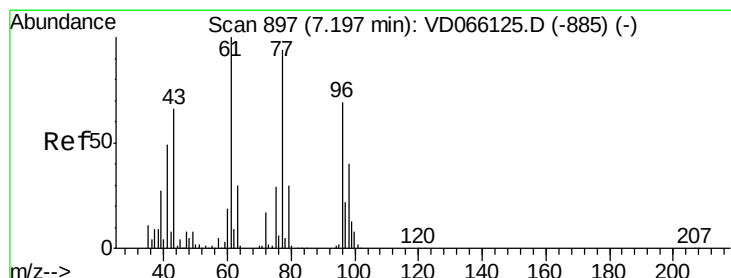
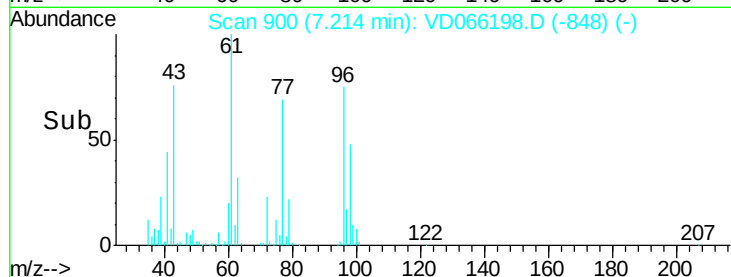
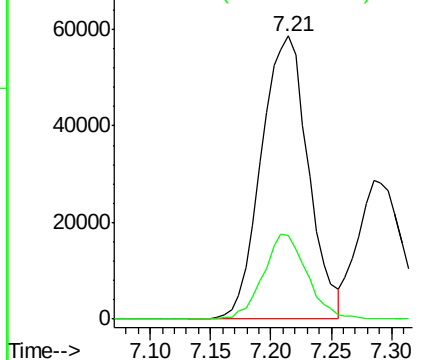
43 100

72 29.6 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.760 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD066198.D

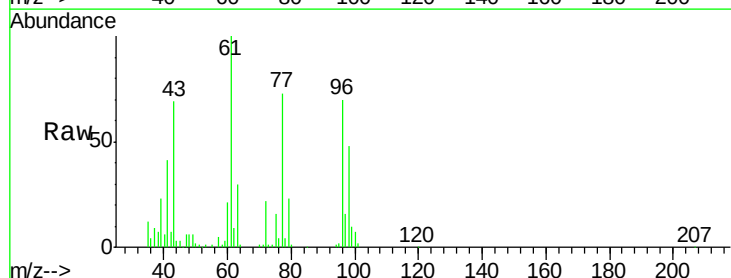
Acq: 11 Aug 2020 20:35

Tgt Ion: 77 Resp: 171995

Ion Ratio Lower Upper

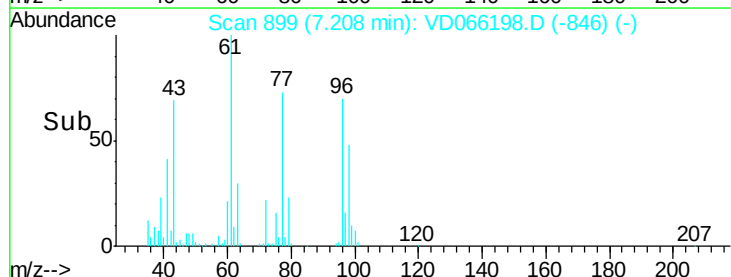
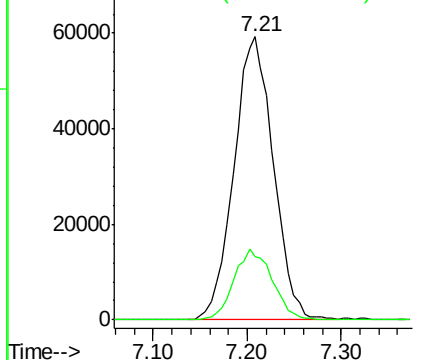
77 100

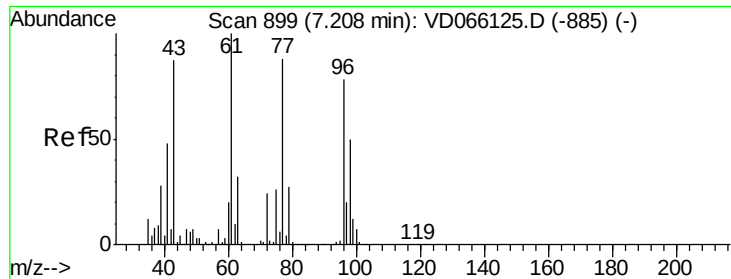
97 24.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

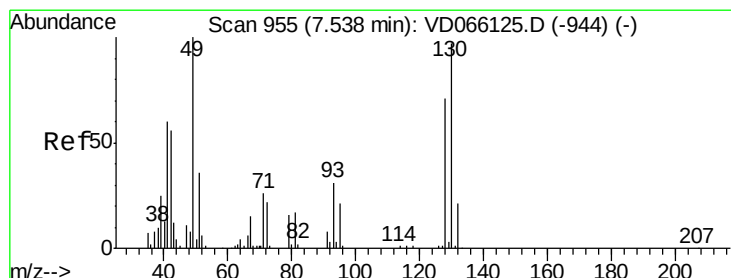
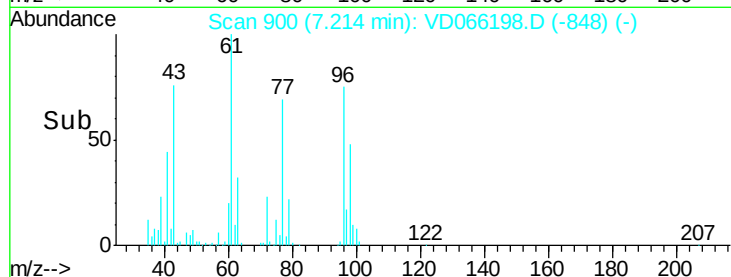
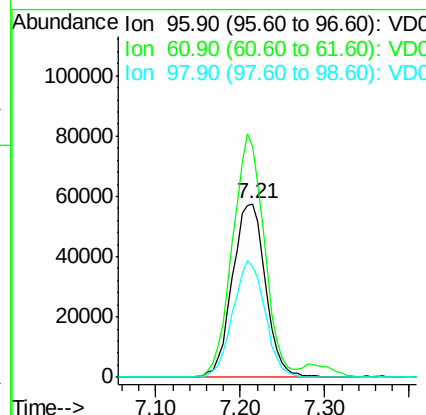
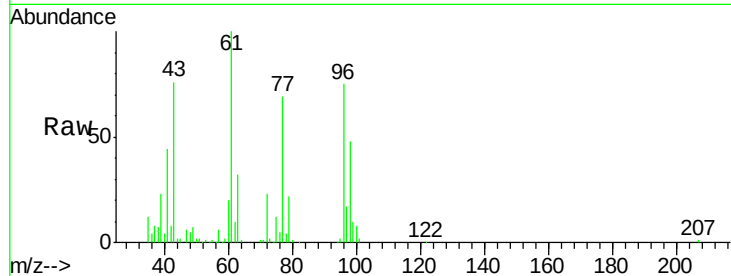




#27
 cis-1,2-Dichloroethene
 Concen: 57.129 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

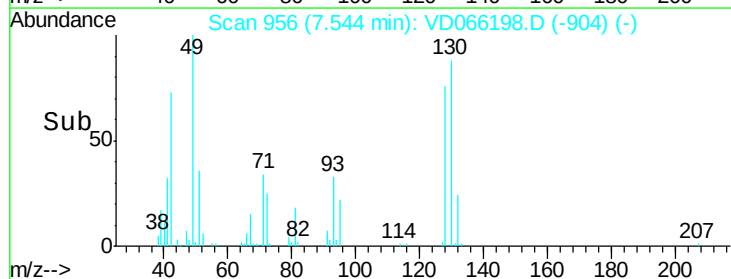
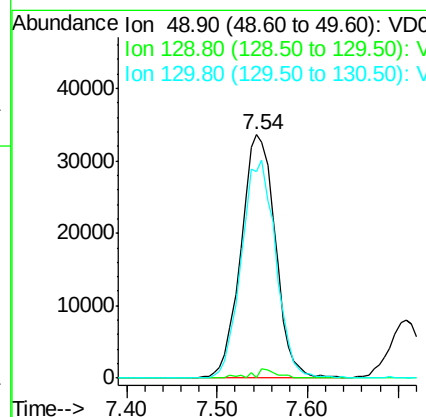
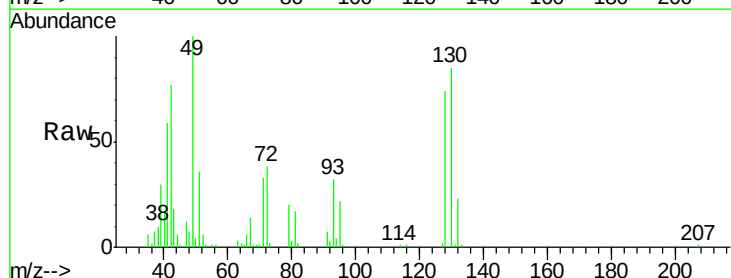
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

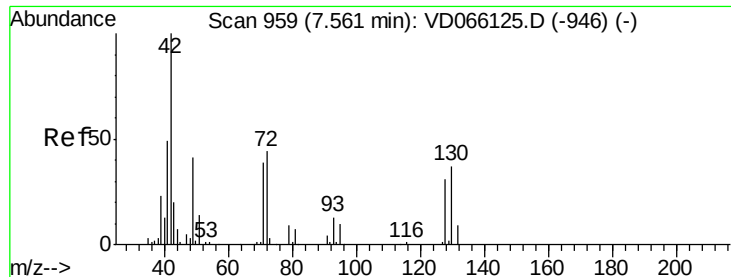
Tgt Ion: 96 Resp: 155699
 Ion Ratio Lower Upper
 96 100
 61 134.4 0.0 281.6
 98 65.4 0.0 130.8



#28
 Bromochloromethane
 Concen: 60.131 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion: 49 Resp: 88567
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 6.0
 130 89.5 73.8 110.6

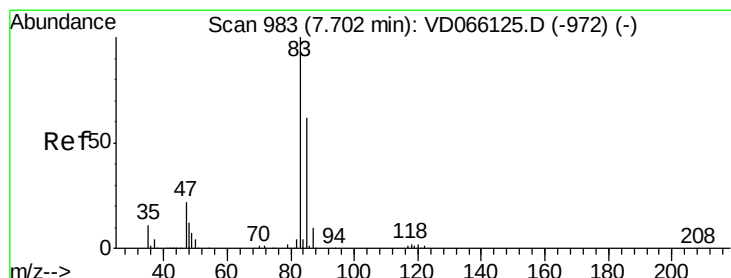
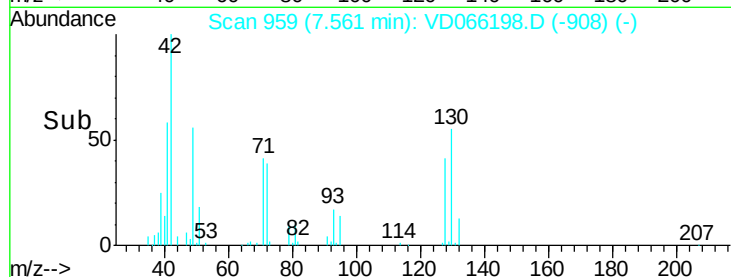
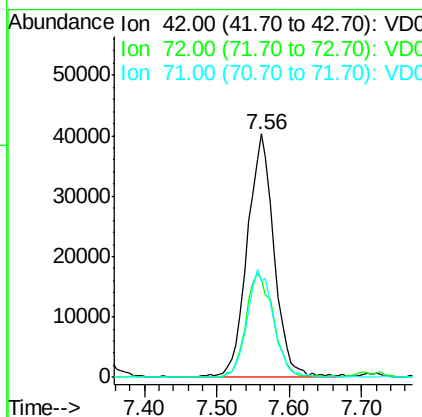
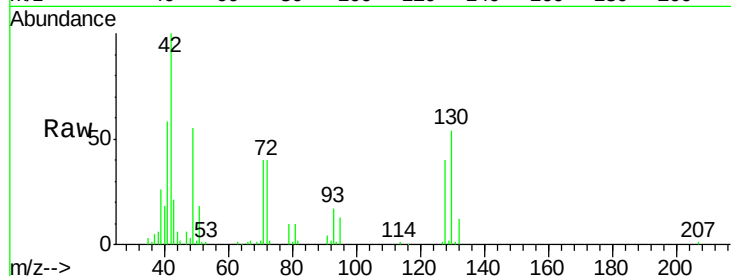




#29
Tetrahydrofuran
Concen: 263.495 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

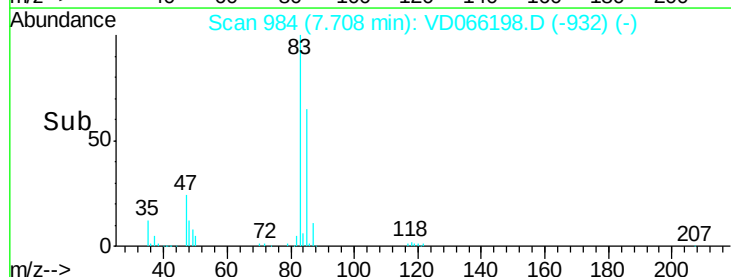
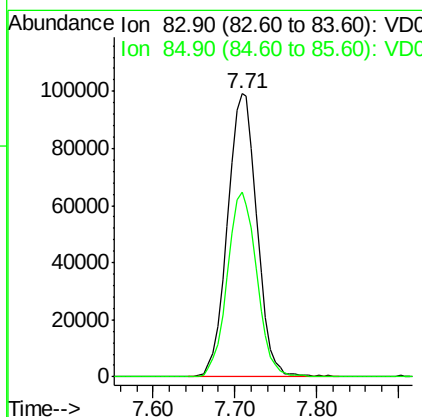
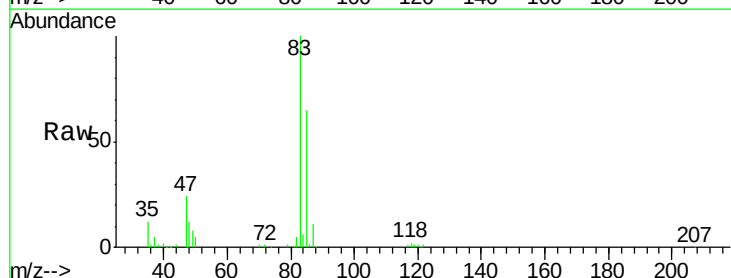
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

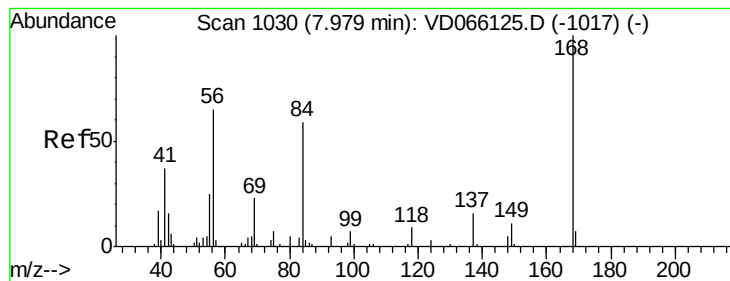
Tgt Ion: 42 Resp: 103812
Ion Ratio Lower Upper
42 100
72 44.3 34.8 52.2
71 43.5 33.5 50.3



#30
Chloroform
Concen: 56.402 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion: 83 Resp: 248365
Ion Ratio Lower Upper
83 100
85 65.2 49.5 74.3





#31

Cyclohexane

Concen: 44.261 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

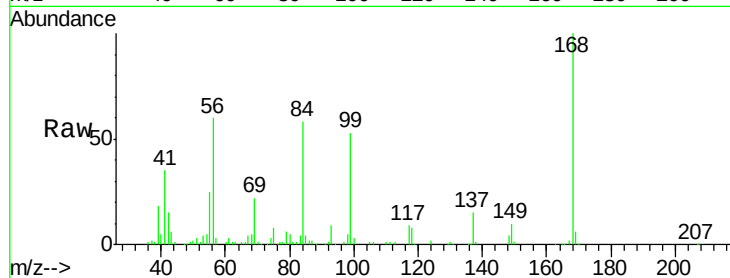
Tgt Ion: 56 Resp: 176690

Ion Ratio Lower Upper

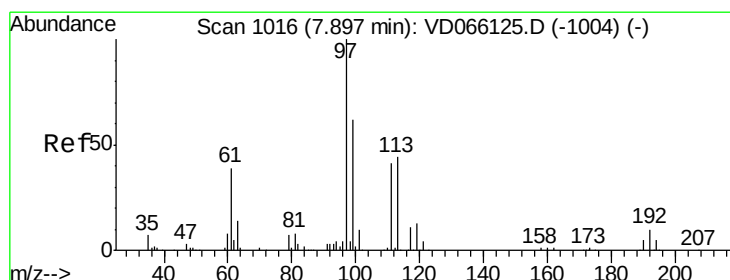
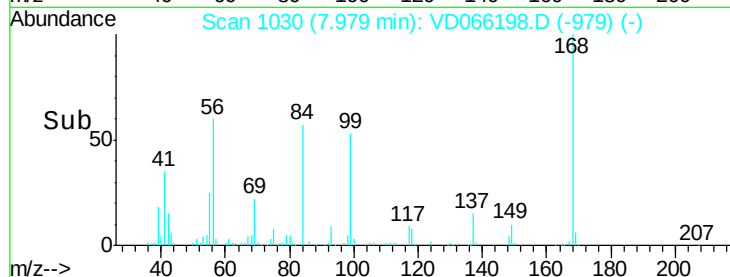
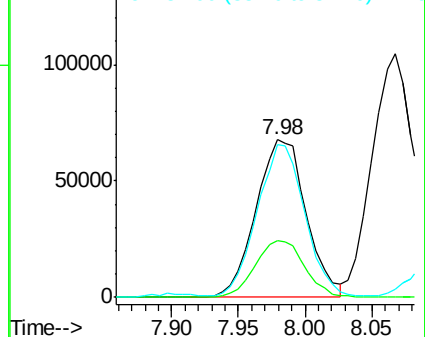
56 100

69 36.1 28.8 43.2

84 95.4 73.0 109.6



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: 52.665 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

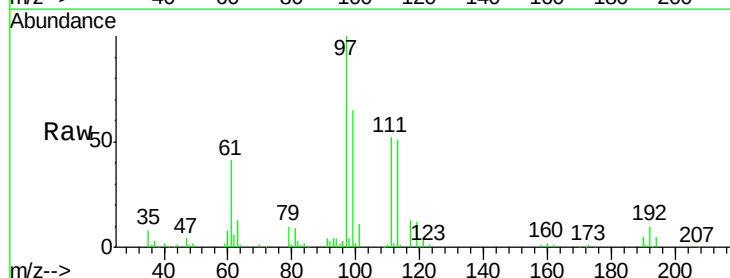
Tgt Ion: 97 Resp: 217438

Ion Ratio Lower Upper

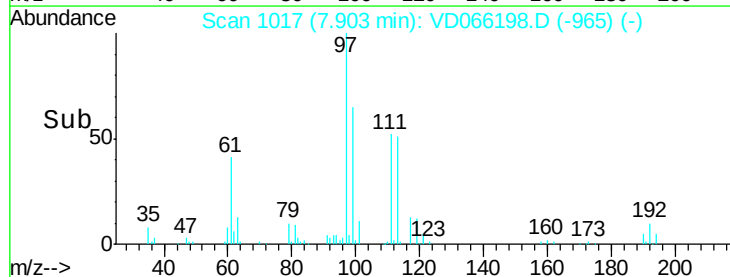
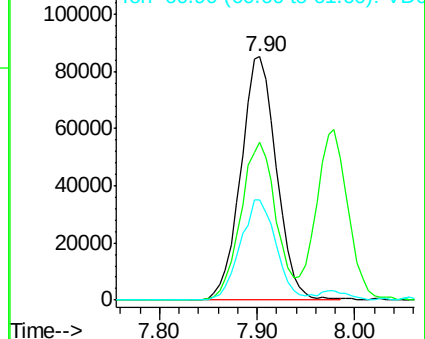
97 100

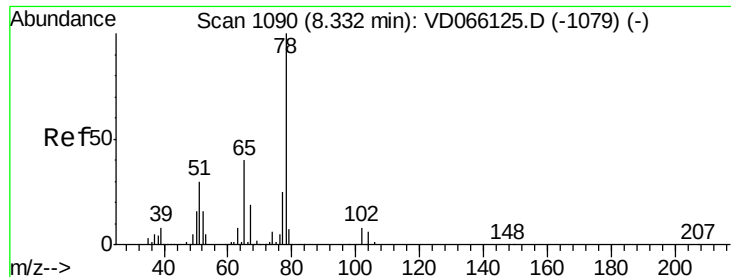
99 63.7 51.1 76.7

61 41.2 32.7 49.1



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

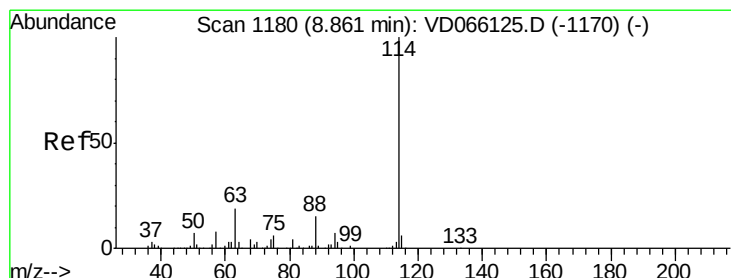
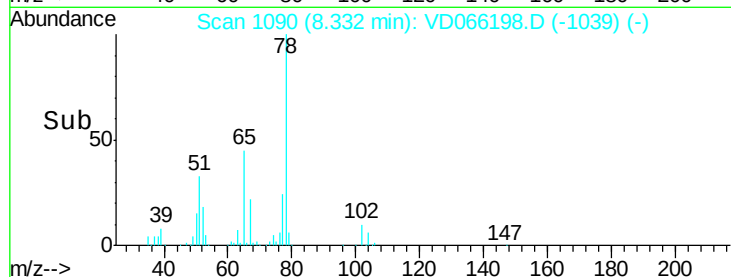
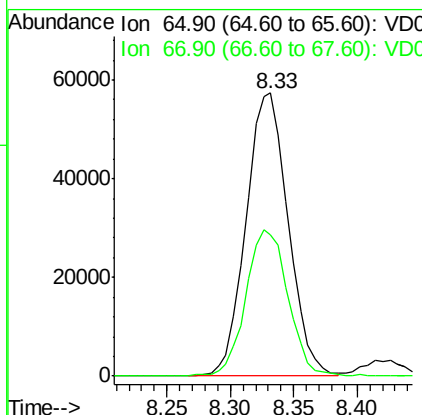
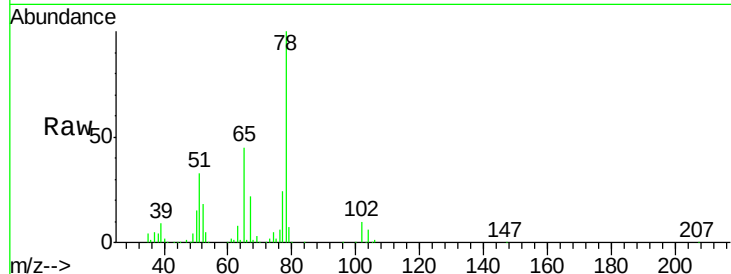




#33
 1,2-Dichloroethane-d4
 Concen: 58.250 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

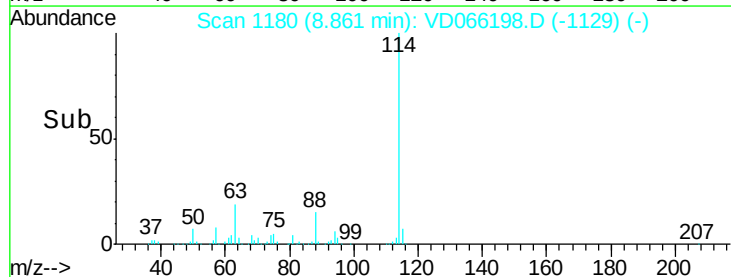
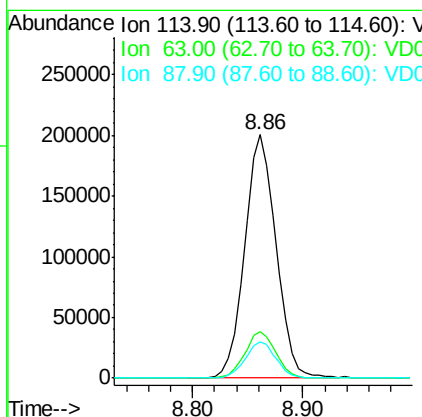
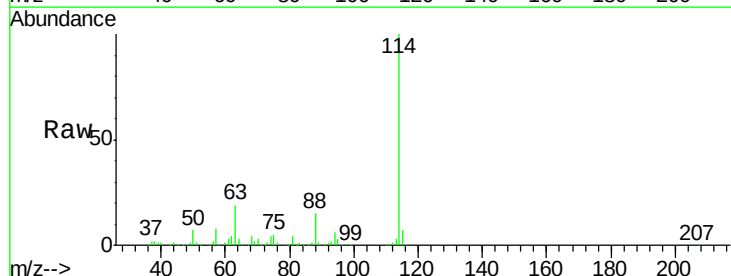
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

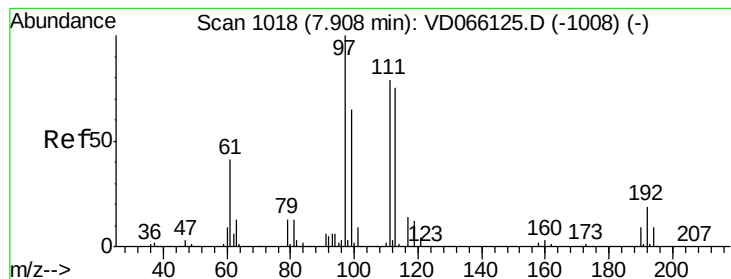
Tgt Ion: 65 Resp: 132727
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion: 114 Resp: 399493
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.388 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

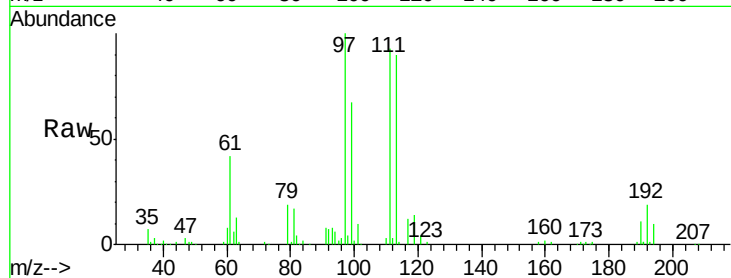
Tgt Ion:113 Resp: 135112

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

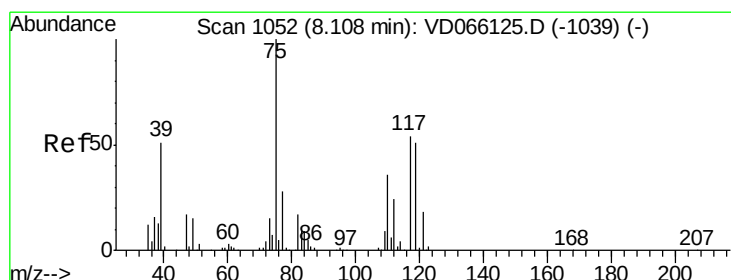
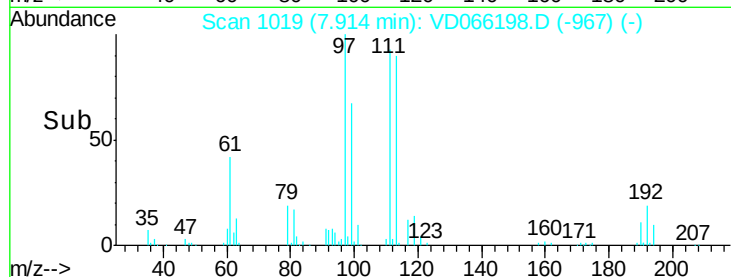
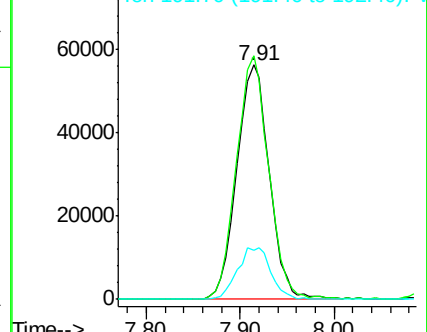
192 22.8 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.027 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

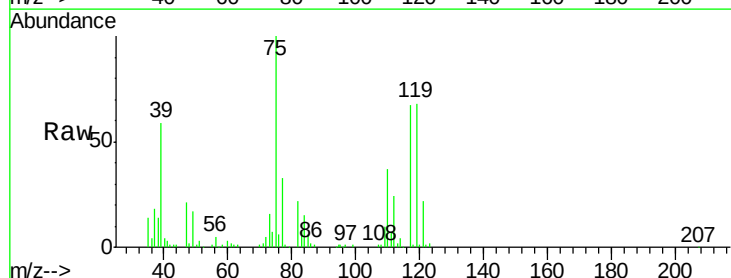
Tgt Ion: 75 Resp: 176541

Ion Ratio Lower Upper

75 100

110 37.5 18.8 56.3

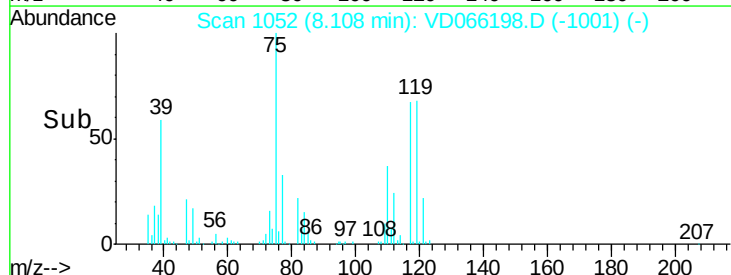
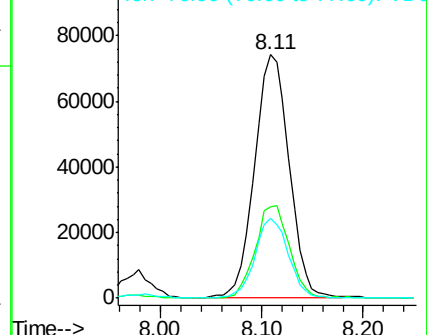
77 31.6 24.2 36.2

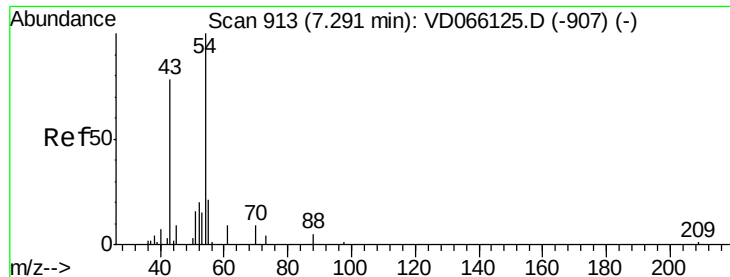


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

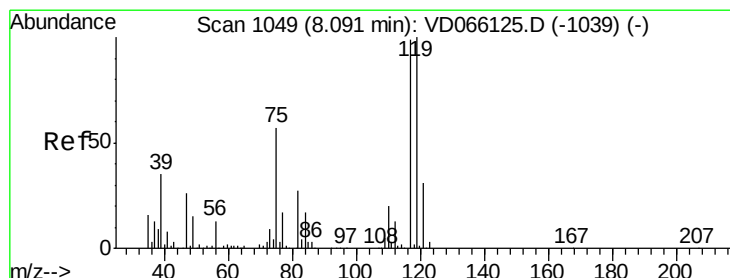
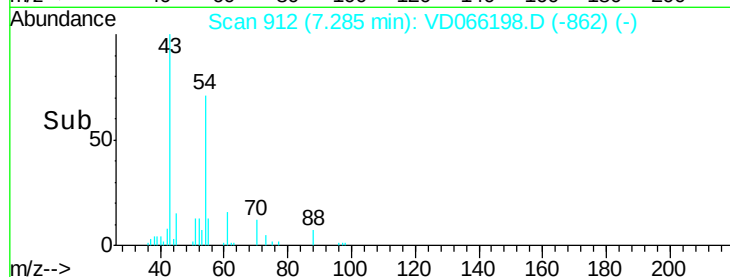
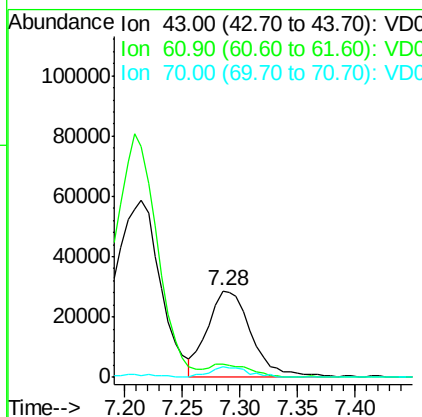
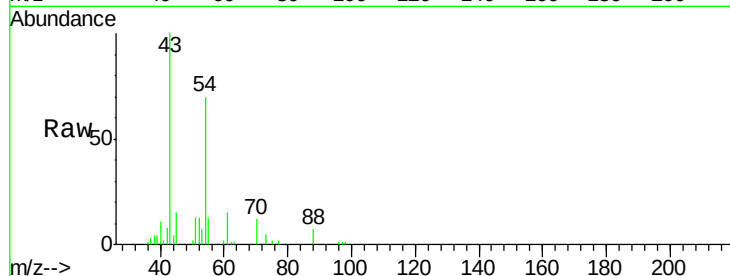




#37
 Ethyl Acetate
 Concen: 50.418 ug/l
 RT: 7.28 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

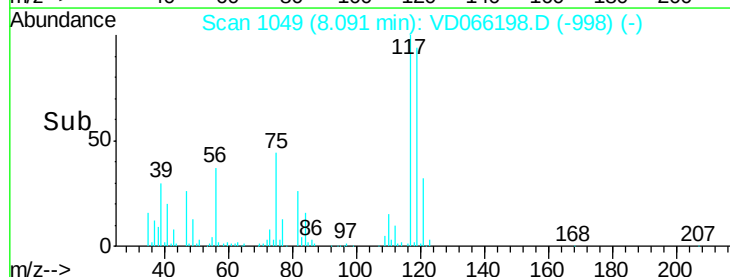
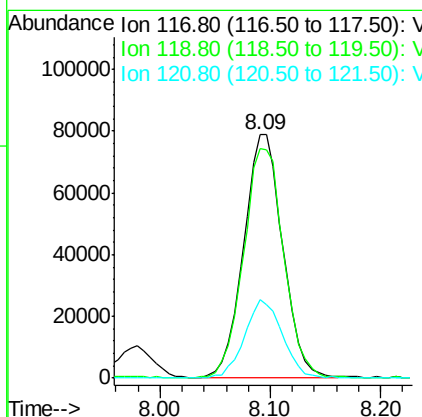
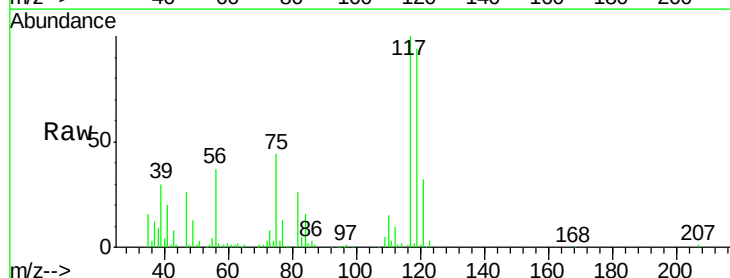
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

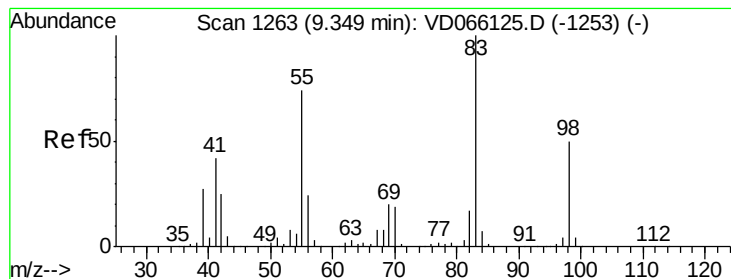
Tgt Ion: 43 Resp: 74992
 Ion Ratio Lower Upper
 43 100
 61 12.9 12.0 18.0
 70 11.1 9.7 14.5



#38
 Carbon Tetrachloride
 Concen: 46.865 ug/l
 RT: 8.09 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion: 117 Resp: 196191
 Ion Ratio Lower Upper
 117 100
 119 94.2 81.0 121.4
 121 32.1 24.8 37.2





#39

Methylcyclohexane

Concen: 43.996 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

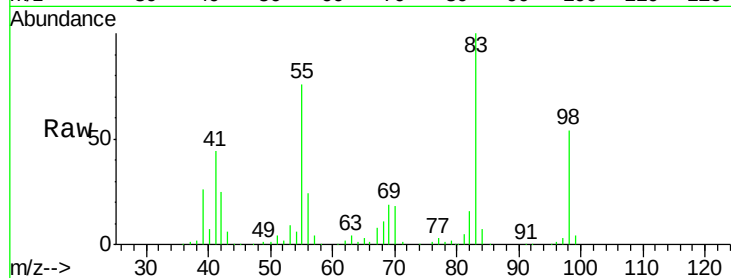
Tgt Ion: 83 Resp: 199654

Ion Ratio Lower Upper

83 100

55 75.9 59.2 88.8

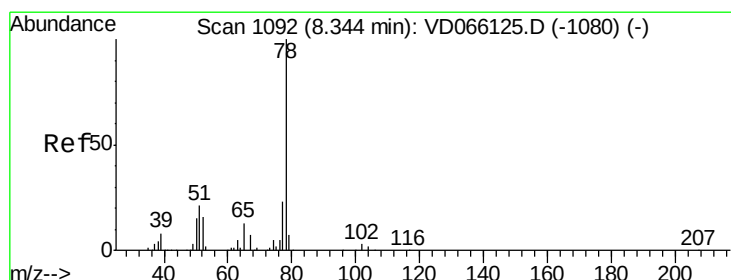
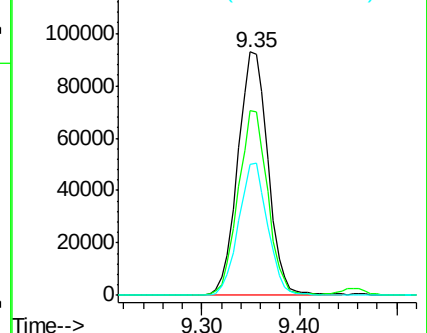
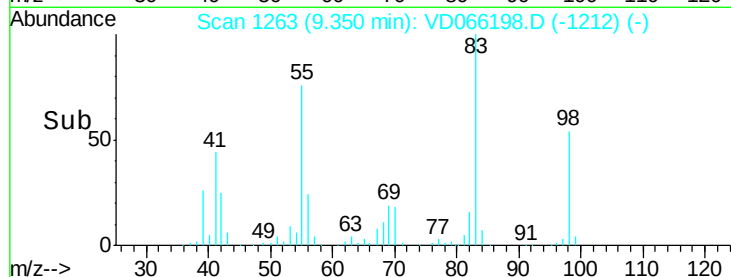
98 53.7 39.8 59.6



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 51.244 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD066198.D

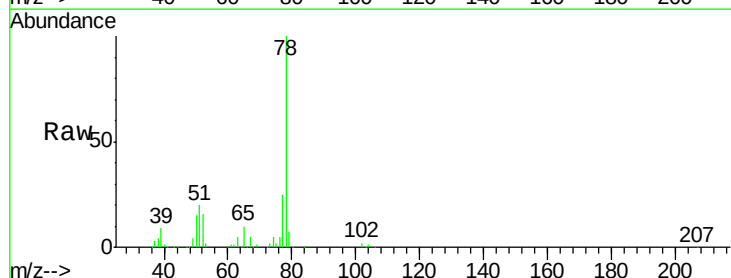
Acq: 11 Aug 2020 20:35

Tgt Ion: 78 Resp: 533656

Ion Ratio Lower Upper

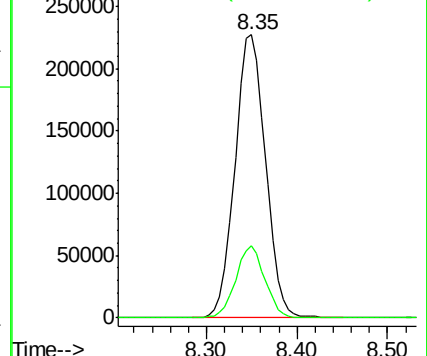
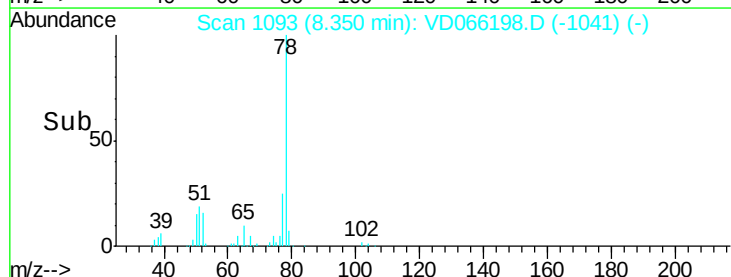
78 100

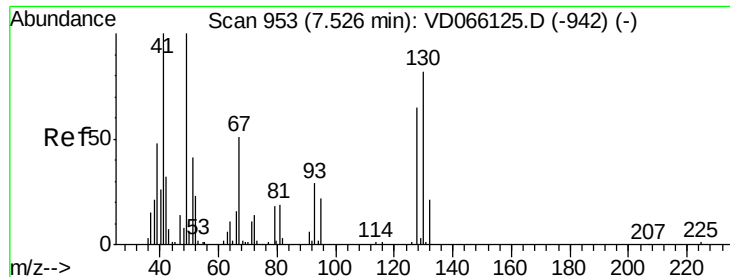
77 25.4 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

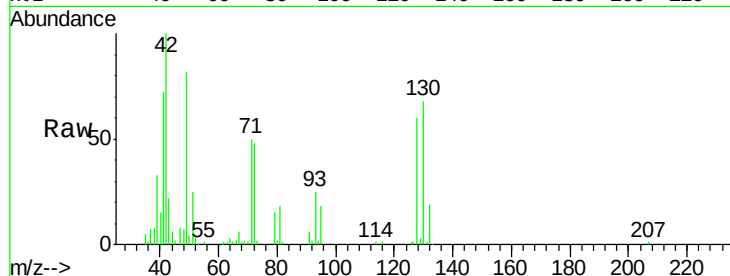




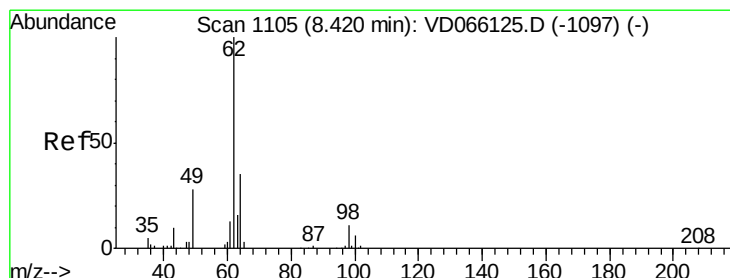
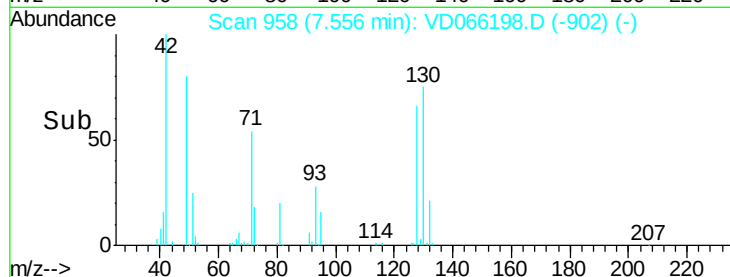
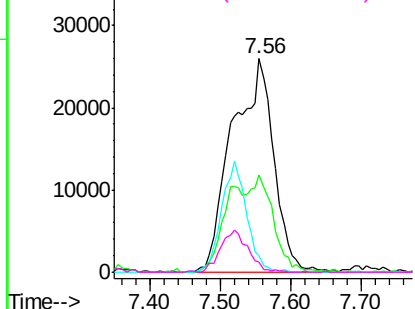
#41
Methacrylonitrile
Concen: 121.463 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 106225
Ion Ratio Lower Upper
41 100
39 0.0 47.5 71.3#
67 0.0 59.1 88.7#
52 0.0 25.4 38.0#

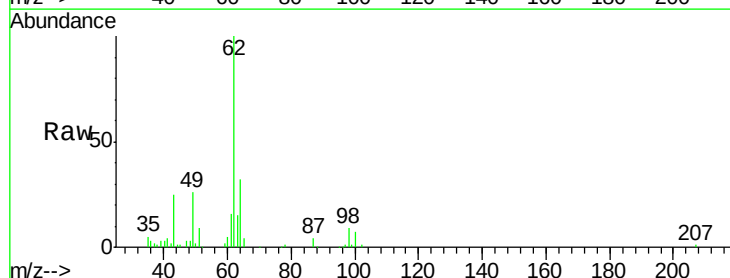


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

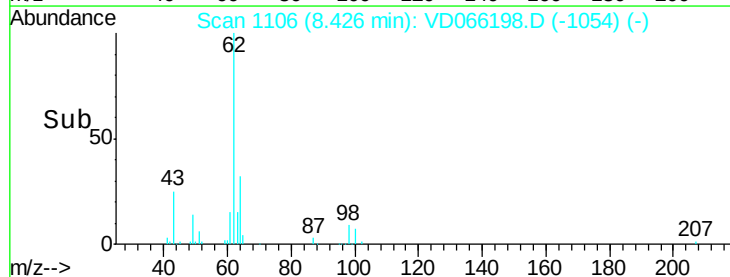
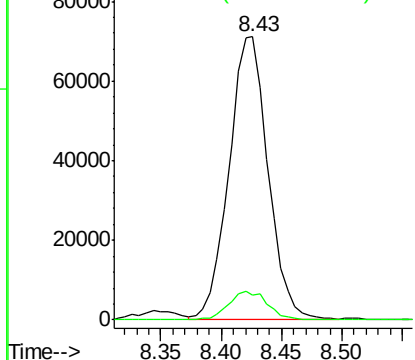


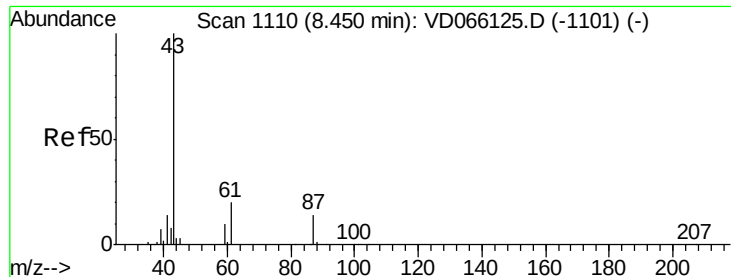
#42
1,2-Dichloroethane
Concen: 52.141 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion: 62 Resp: 159516
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.4



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





#43

Isopropyl Acetate

Concen: 50.012 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

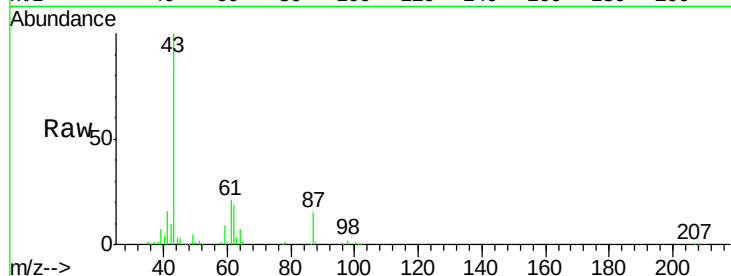
Tgt Ion: 43 Resp: 146565

Ion Ratio Lower Upper

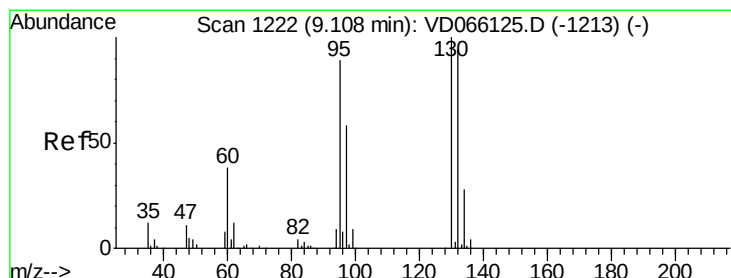
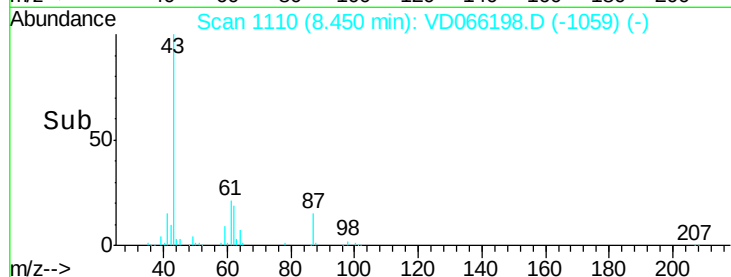
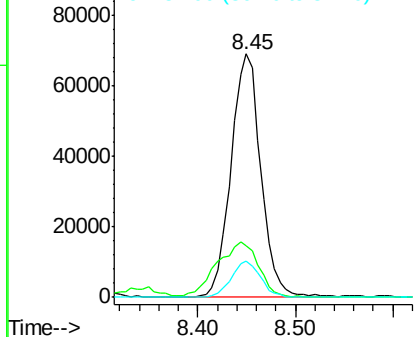
43 100

61 31.8 25.5 38.3

87 14.7 11.2 16.8



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: 49.997 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066198.D

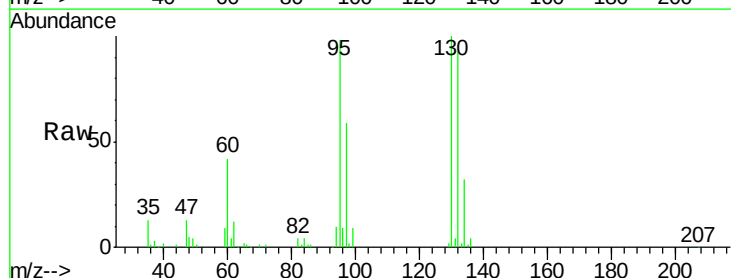
Acq: 11 Aug 2020 20:35

Tgt Ion: 130 Resp: 156895

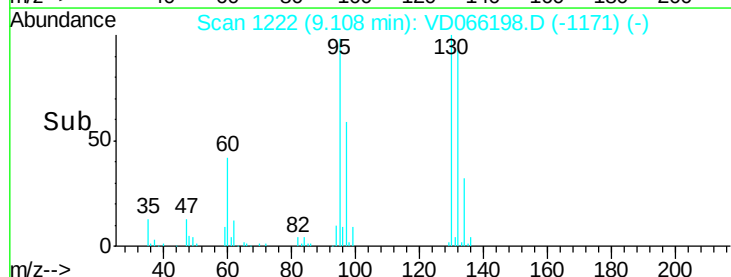
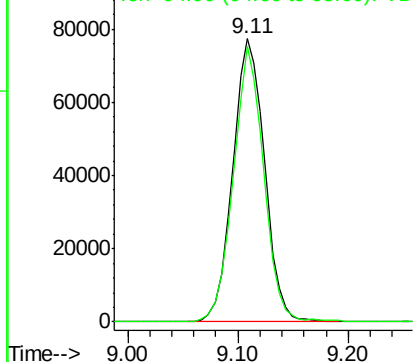
Ion Ratio Lower Upper

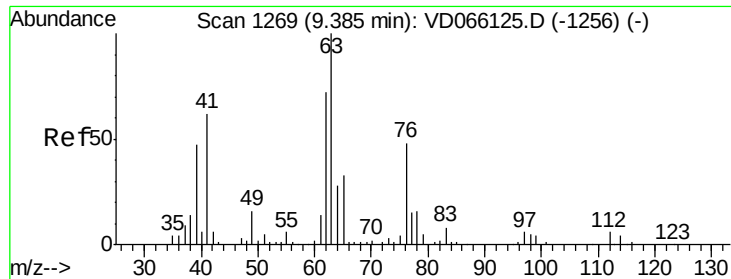
130 100

95 97.5 0.0 178.4



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

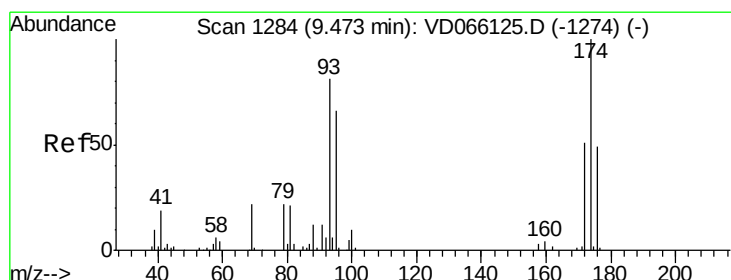
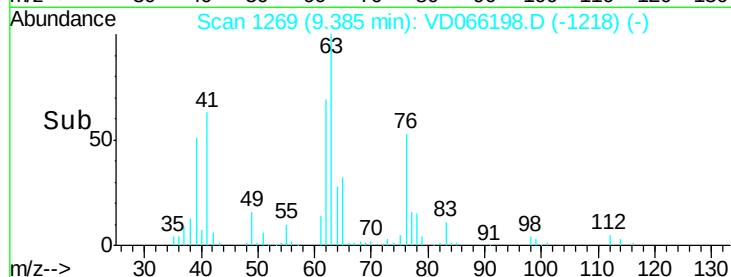
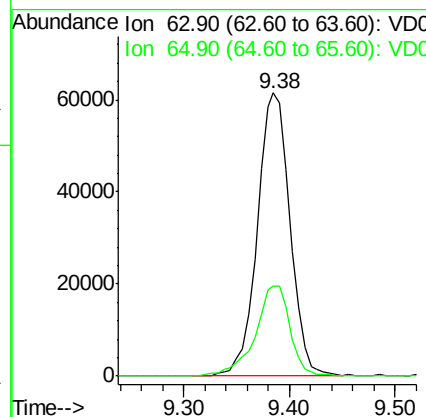
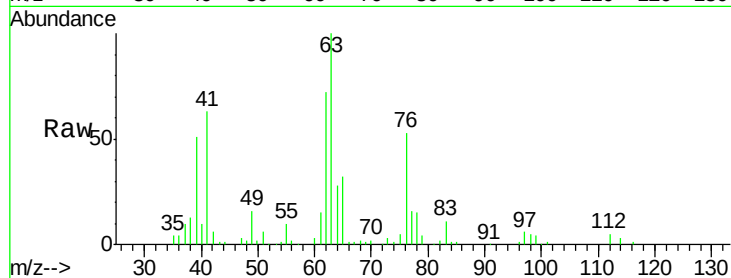




#45
 1,2-Dichloropropane
 Concen: 51.955 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

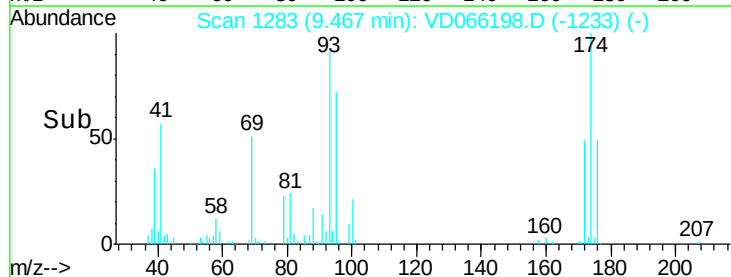
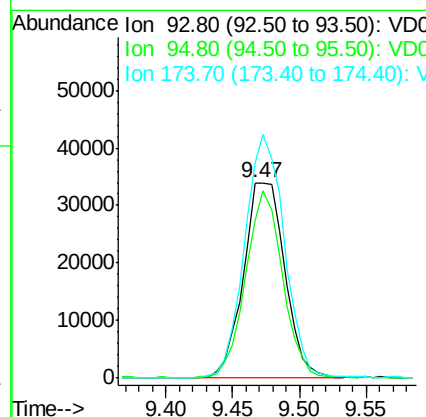
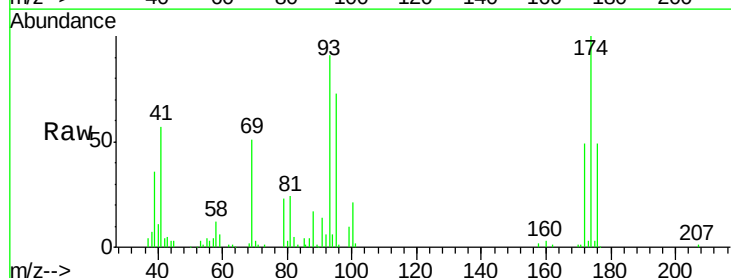
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

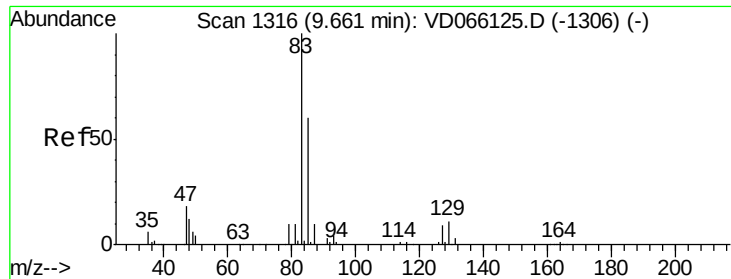
Tgt Ion: 63 Resp: 132328
 Ion Ratio Lower Upper
 63 100
 65 31.9 26.5 39.7



#46
 Dibromomethane
 Concen: 52.062 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion: 93 Resp: 73040
 Ion Ratio Lower Upper
 93 100
 95 85.8 65.8 98.6
 174 119.2 92.8 139.2

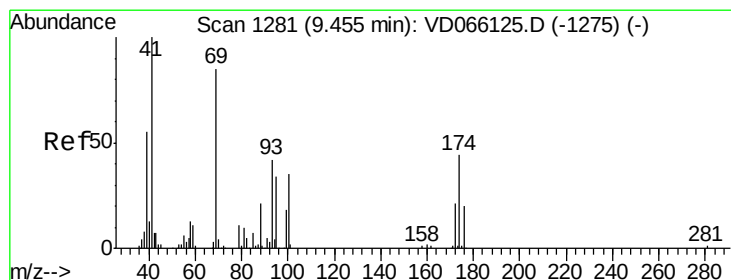
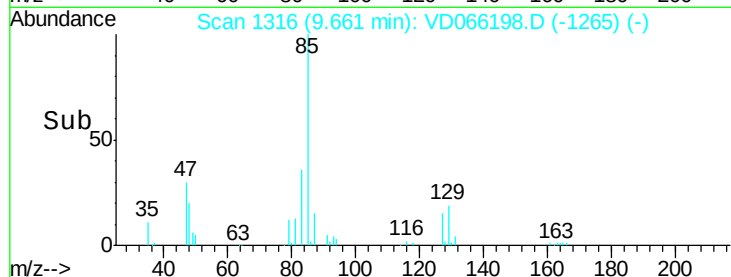
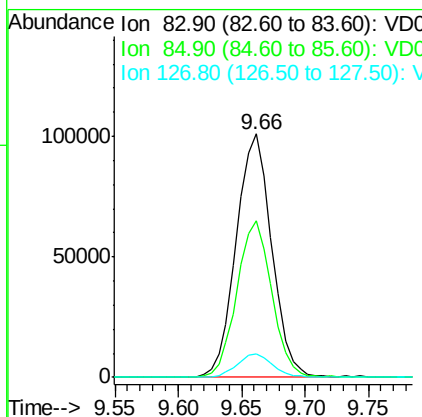
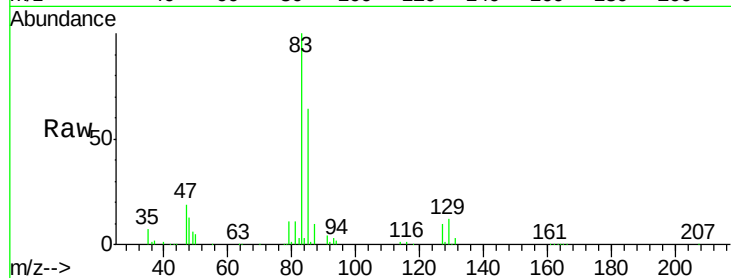




#47
 Bromodichloromethane
 Concen: 52.936 ug/l
 RT: 9.66 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

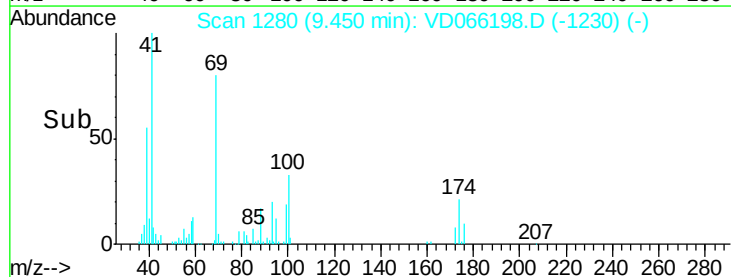
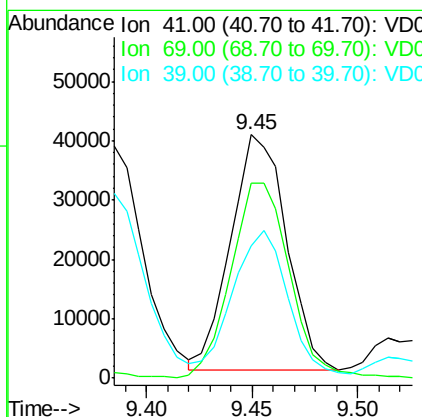
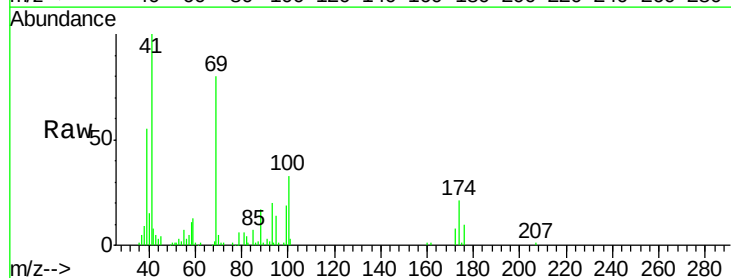
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

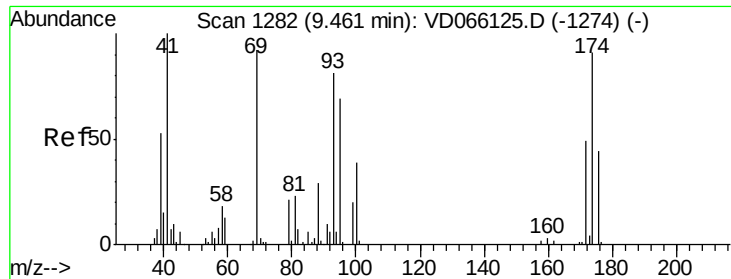
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	48.2	72.4
127	9.6	7.3	10.9



#48
 Methyl methacrylate
 Concen: 48.385 ug/l
 RT: 9.45 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.9	63.9	95.9
39	64.0	42.6	64.0#

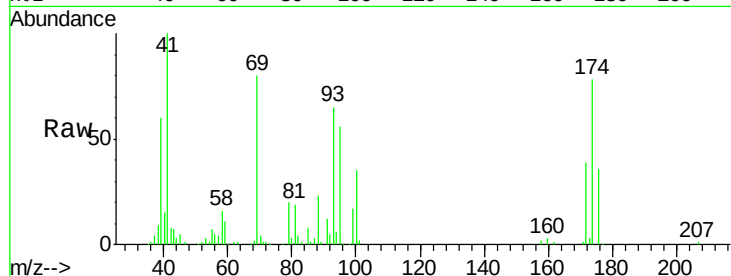




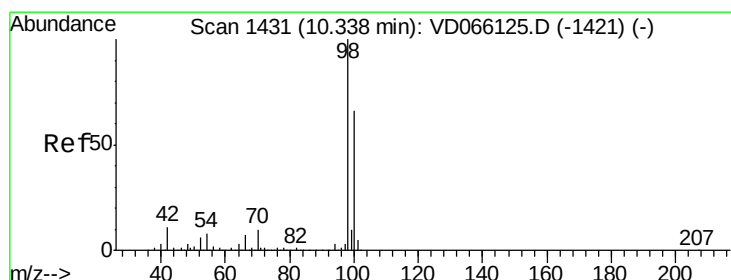
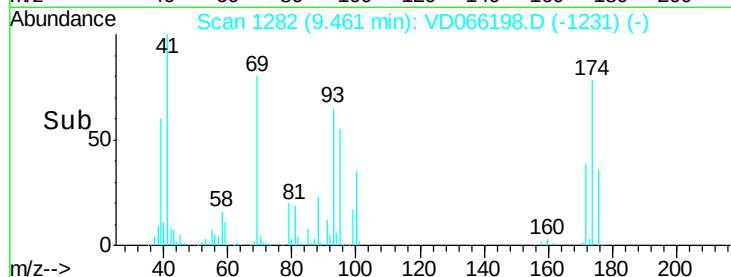
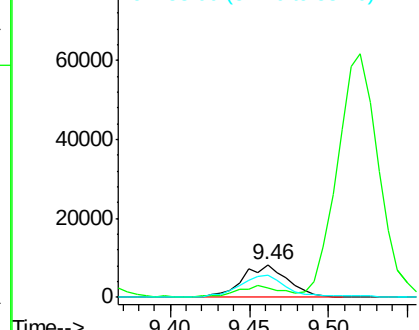
#49
1,4-Dioxane
Concen: 902.117 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 16260
Ion Ratio Lower Upper
88 100
43 36.0 27.5 41.3
58 70.9 50.2 75.4

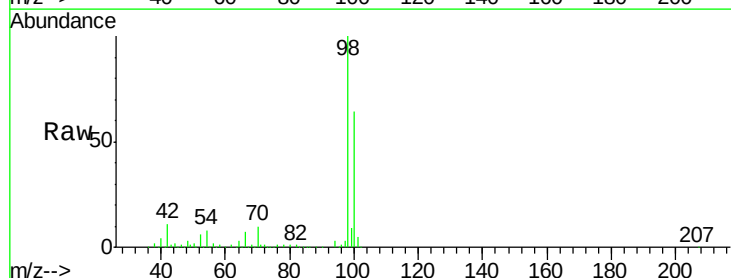


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

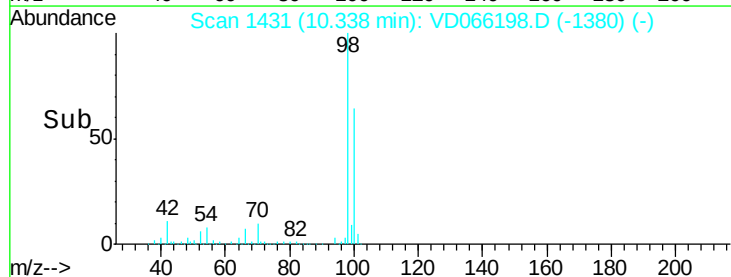
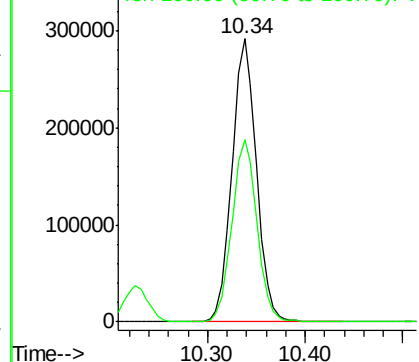


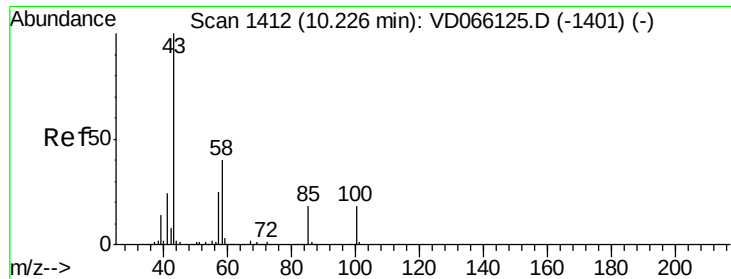
#50
Toluene-d8
Concen: 54.192 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion: 98 Resp: 506103
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



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

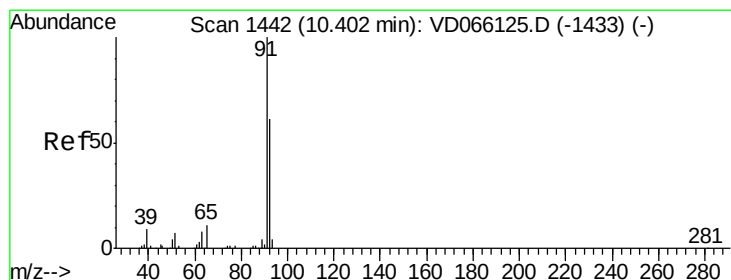
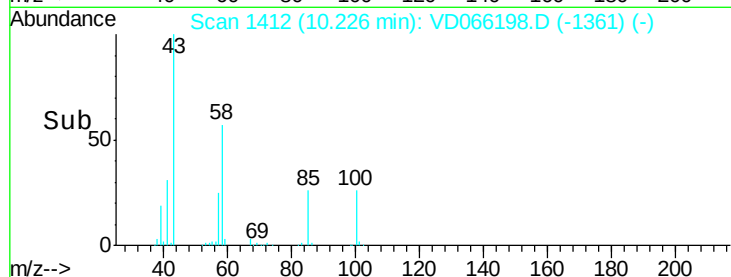
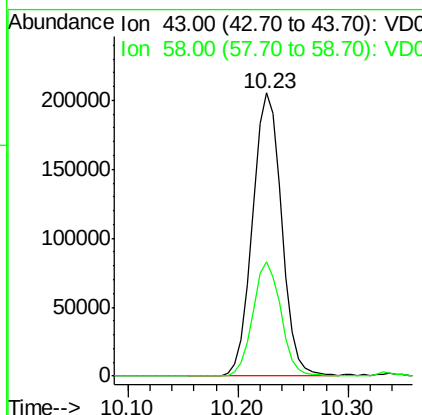
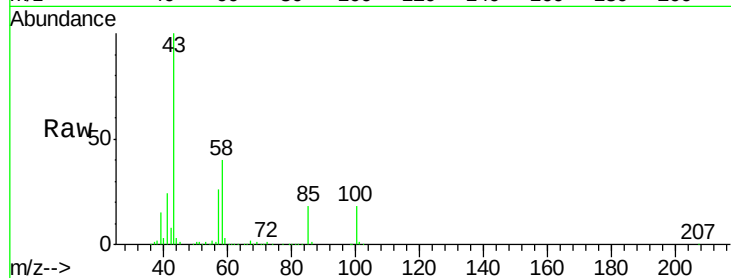




#51
4-Methyl-2-Pentanone
Concen: 253.013 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

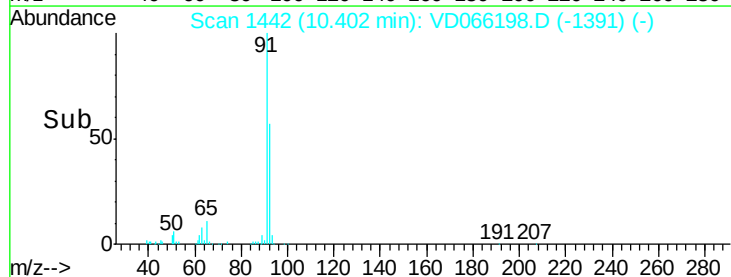
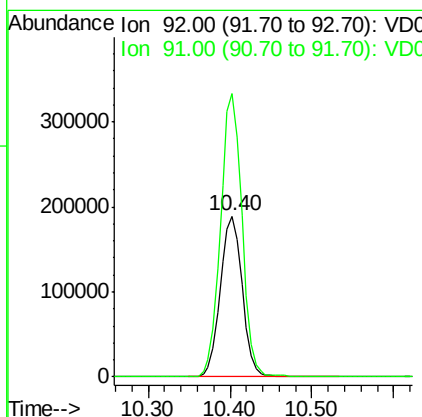
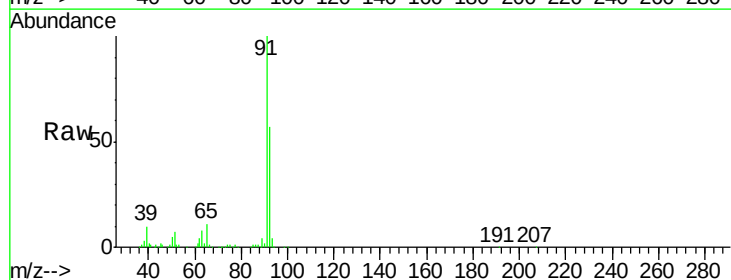
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

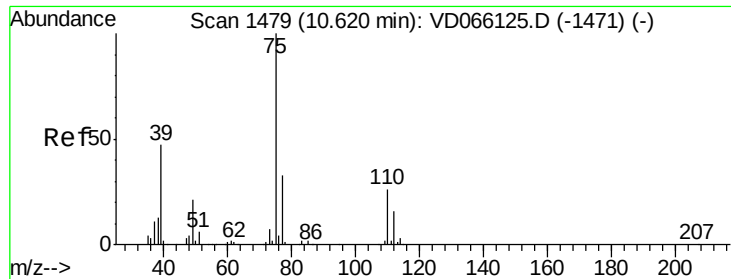
Tgt Ion: 43 Resp: 380868
Ion Ratio Lower Upper
43 100
58 39.2 31.1 46.7



#52
Toluene
Concen: 51.362 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion: 92 Resp: 351964
Ion Ratio Lower Upper
92 100
91 172.7 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 51.375 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

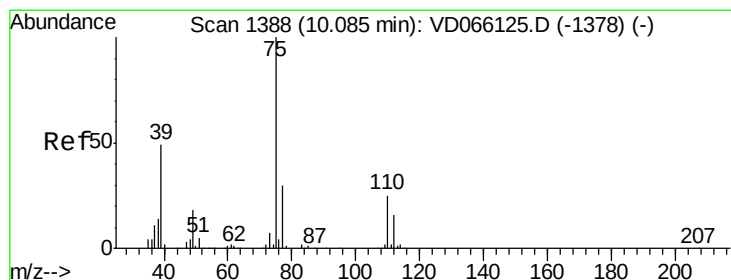
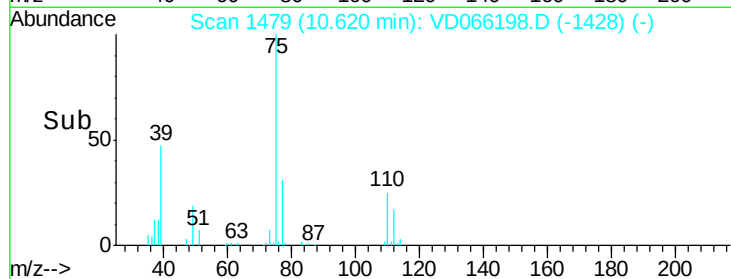
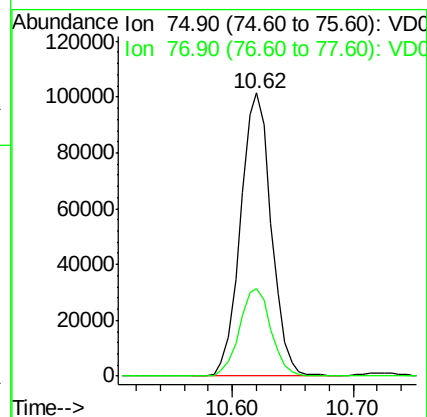
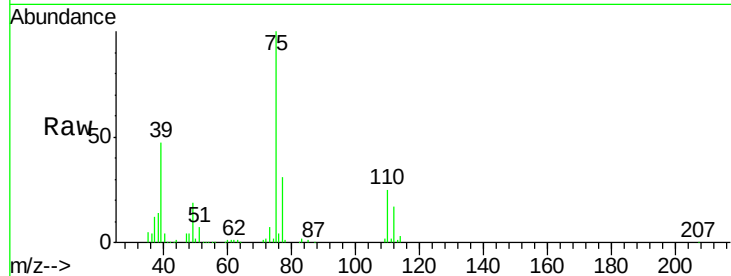
VSTDCCC050EC

Tgt Ion: 75 Resp: 180781

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 51.547 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

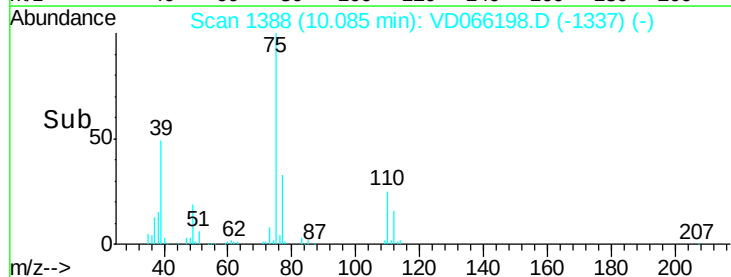
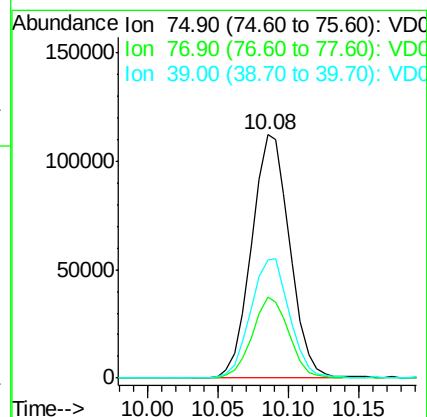
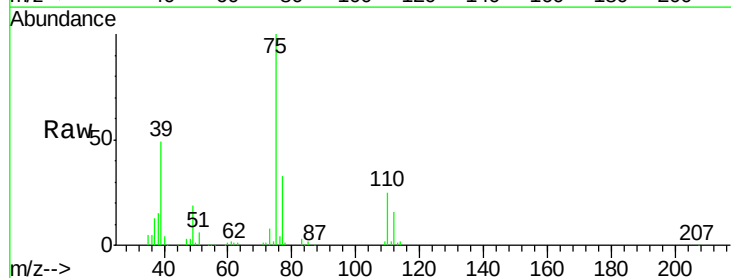
Tgt Ion: 75 Resp: 212521

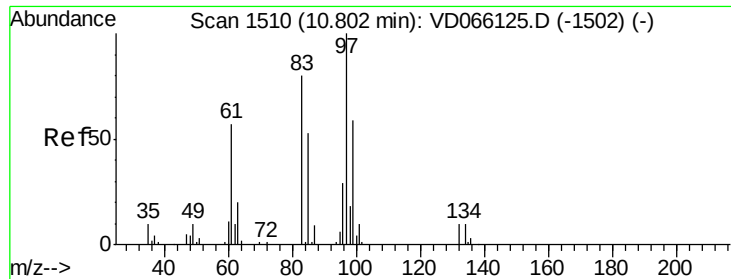
Ion Ratio Lower Upper

75 100

77 33.1 24.3 36.5

39 48.8 39.3 58.9

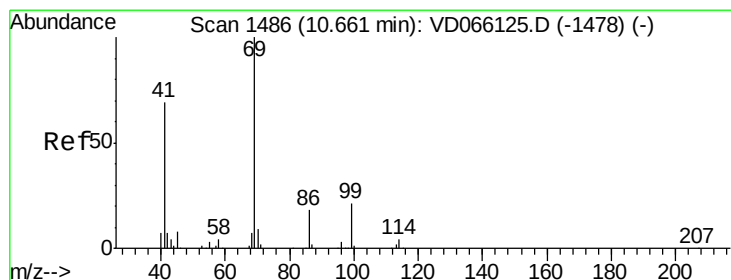
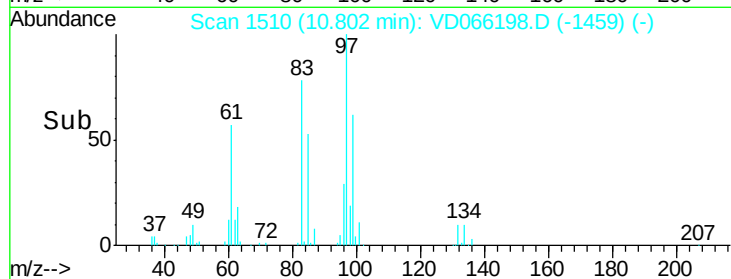
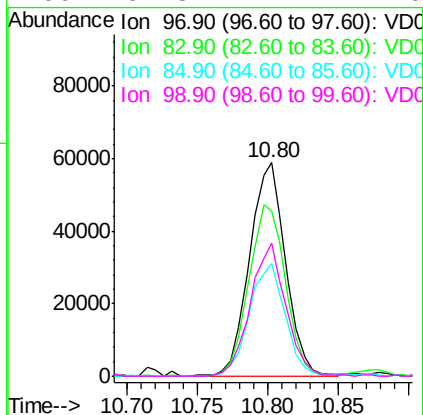
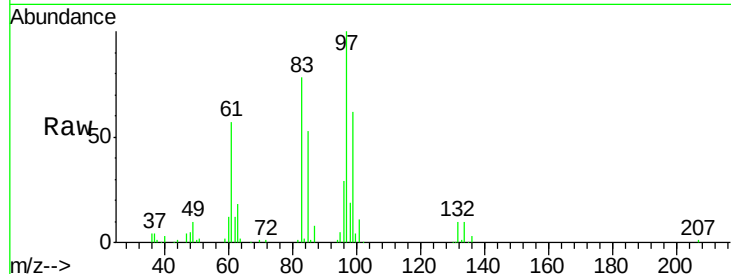




#55
 1,1,2-Trichloroethane
 Concen: 52.342 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

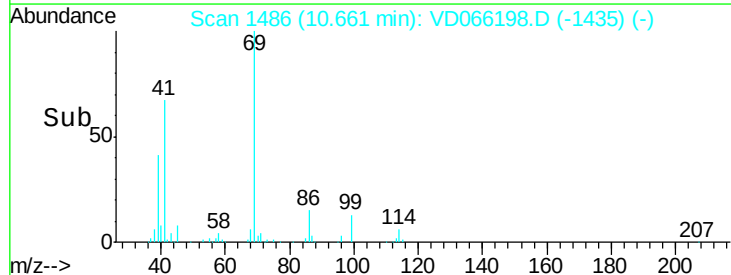
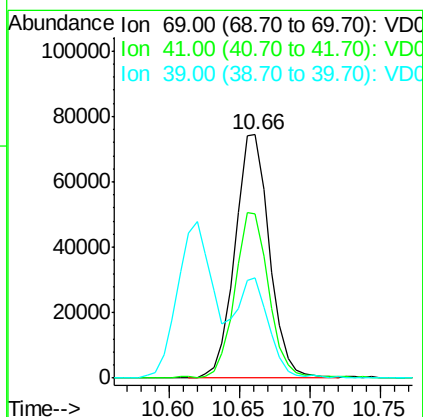
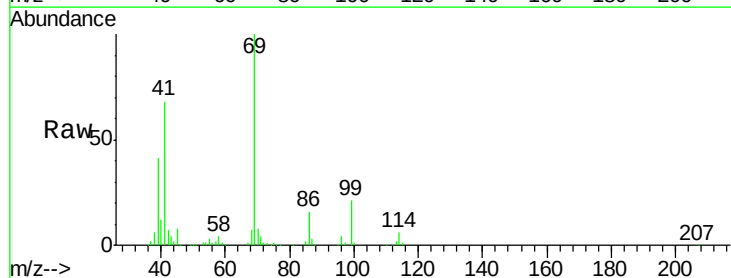
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

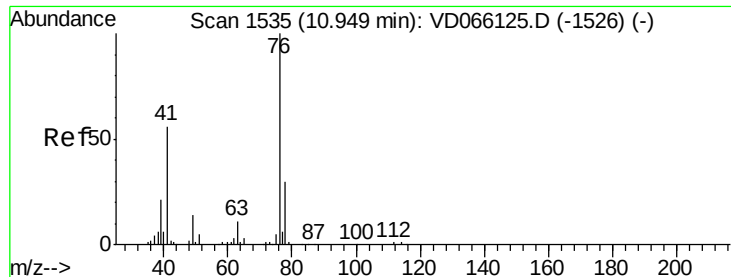
Tgt Ion:	97	Resp:	105740
Ion	Ratio	Lower	Upper
97	100		
83	77.6	63.9	95.9
85	52.7	42.5	63.7
99	62.3	47.4	71.0



#56
 Ethyl methacrylate
 Concen: 52.216 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion:	69	Resp:	126719
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.1	81.1
39	36.0	28.6	43.0

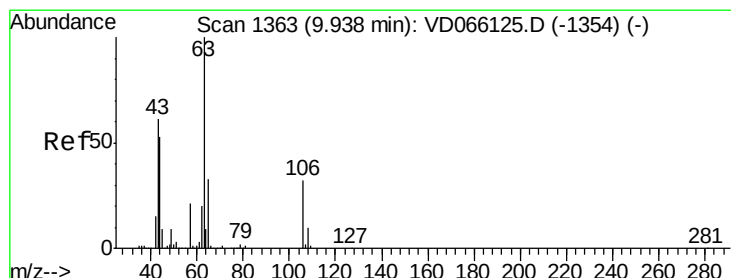
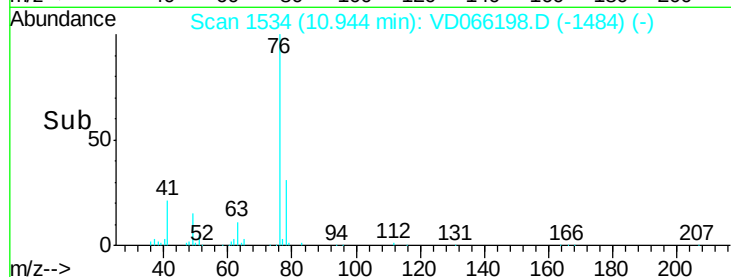
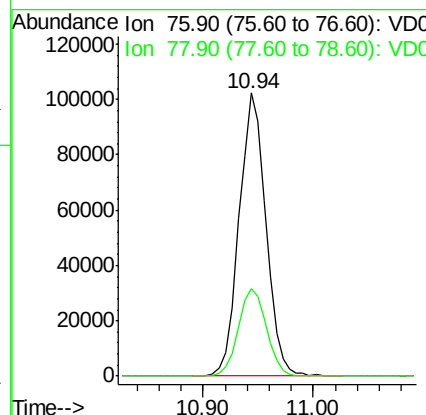
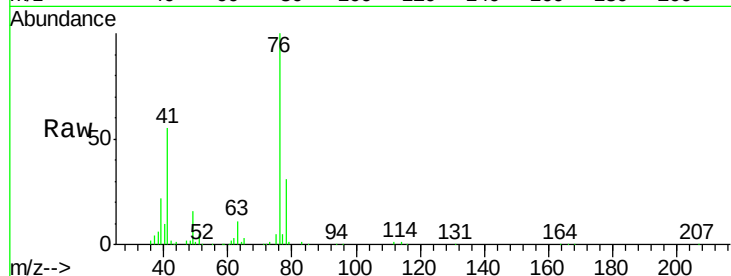




#57
 1,3-Dichloropropane
 Concen: 52.055 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

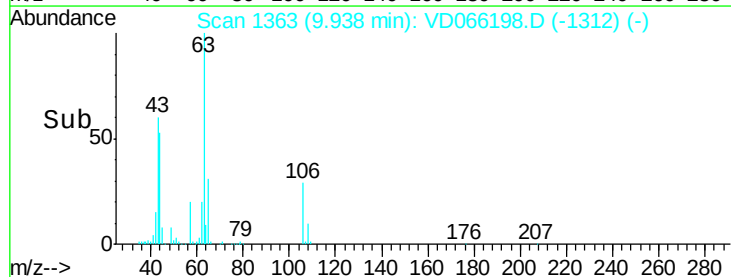
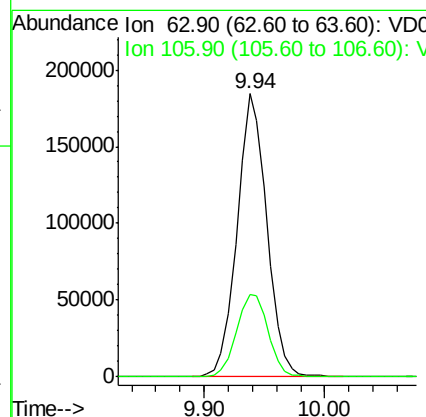
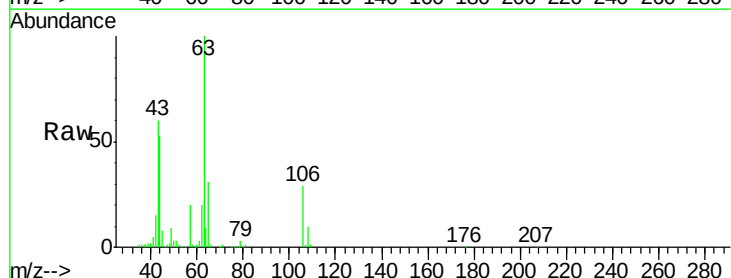
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

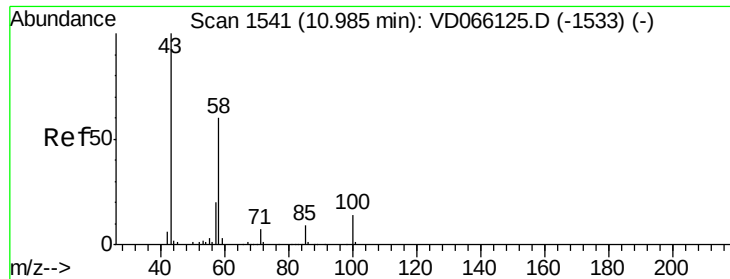
Tgt Ion: 76 Resp: 174582
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 289.781 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion: 63 Resp: 316328
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.3 37.9

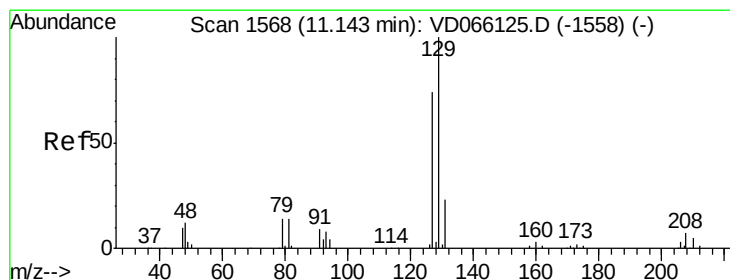
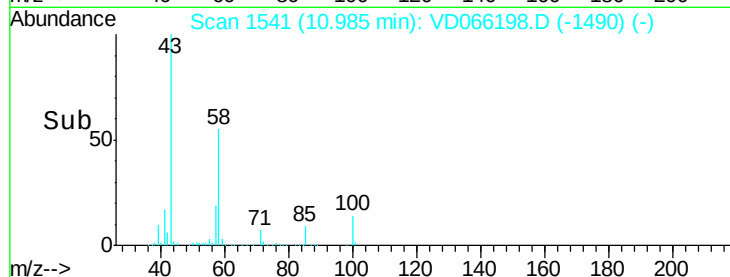
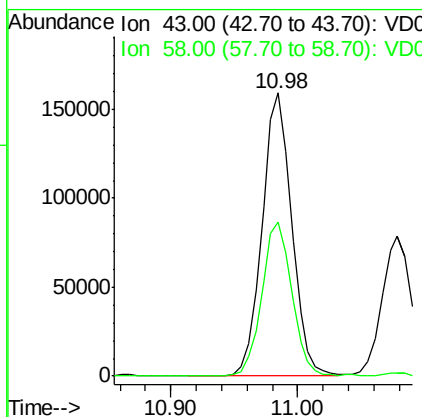
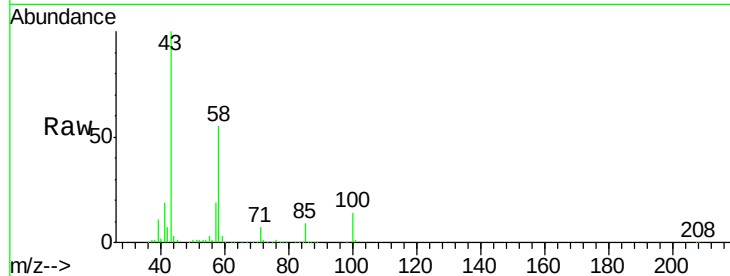




#59
2-Hexanone
Concen: 245.659 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

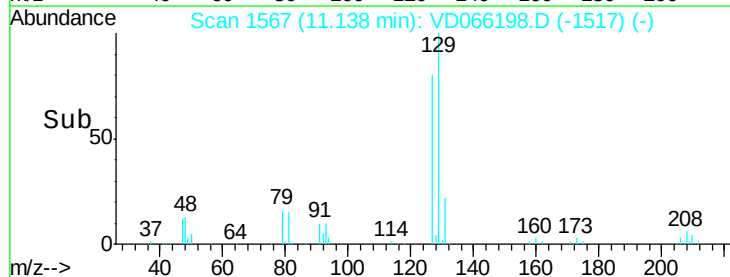
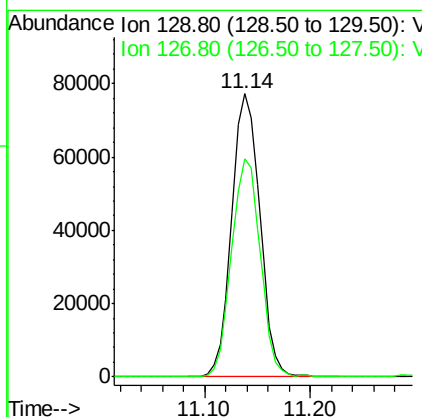
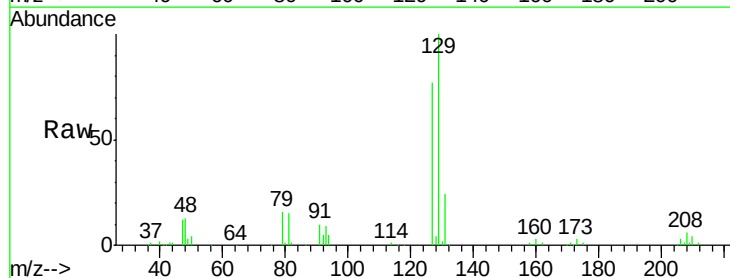
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

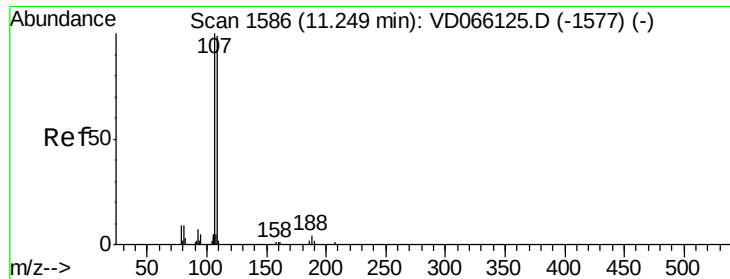
Tgt Ion: 43 Resp: 259531
Ion Ratio Lower Upper
43 100
58 54.9 27.8 83.4



#60
Dibromochloromethane
Concen: 51.252 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion: 129 Resp: 142941
Ion Ratio Lower Upper
129 100
127 78.3 38.0 114.1

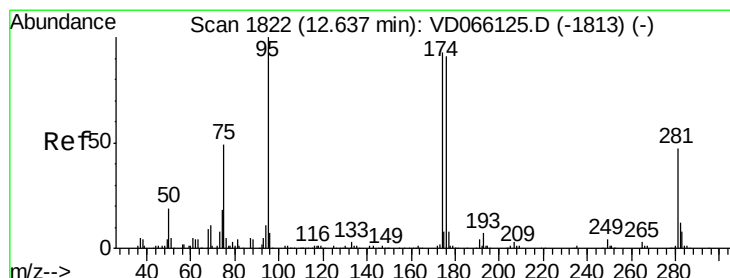
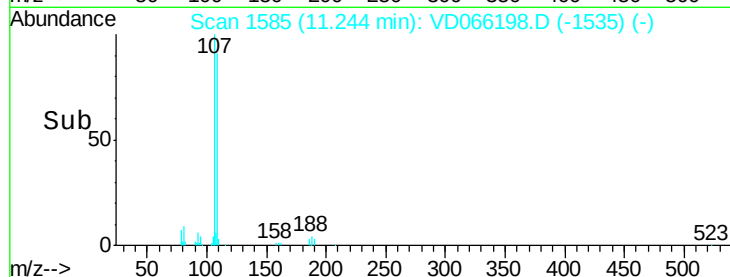
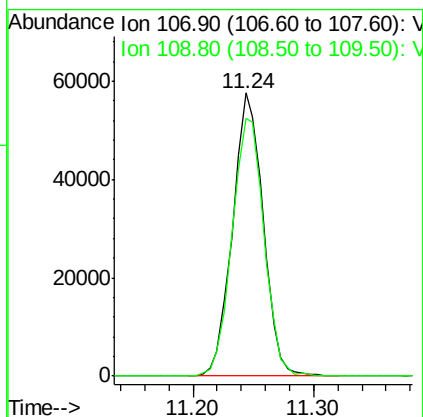
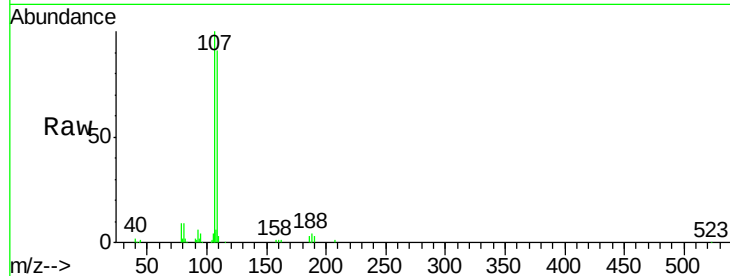




#61
 1,2-Dibromoethane
 Concen: 52.221 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

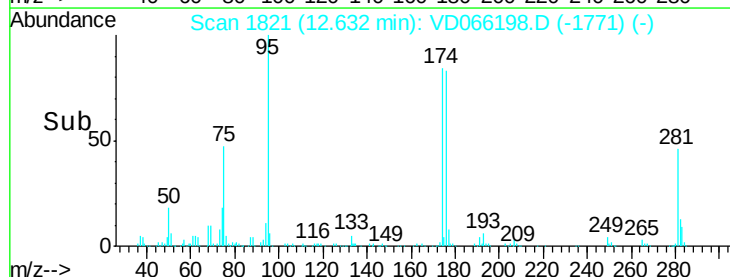
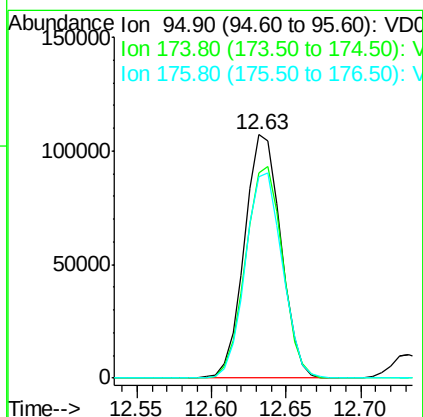
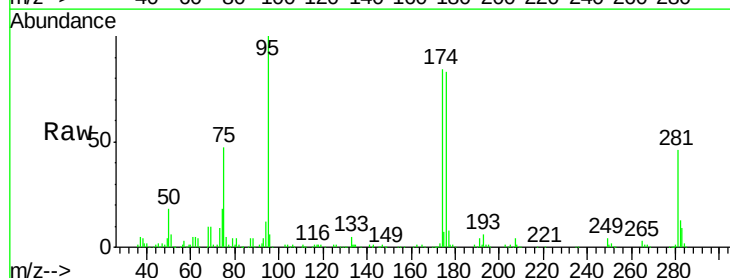
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

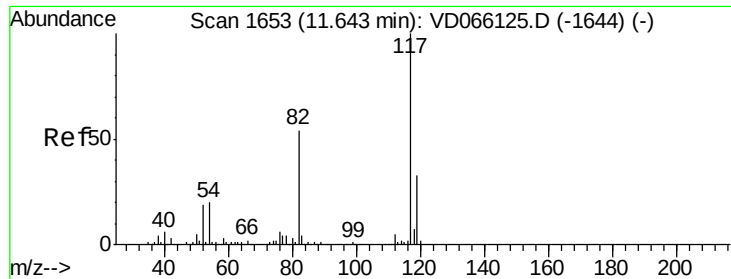
Tgt Ion: 107 Resp: 101455
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 53.650 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion: 95 Resp: 180605
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 180.8
 176 85.5 0.0 181.2

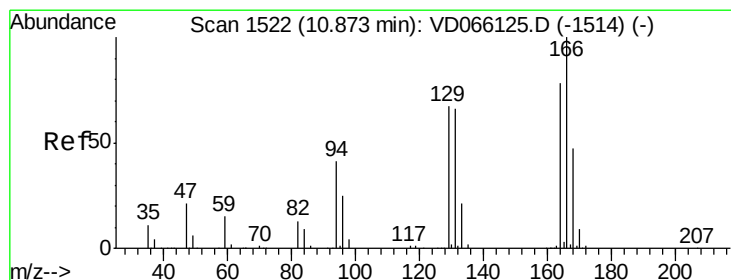
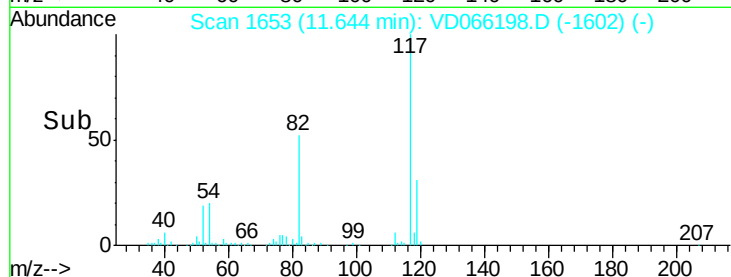
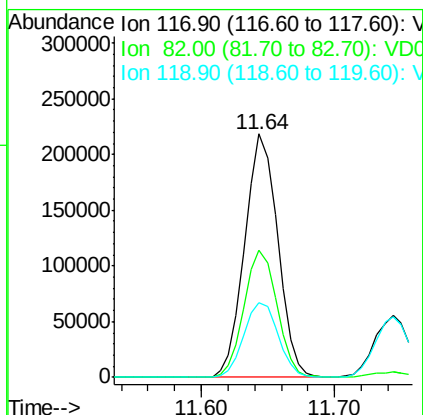
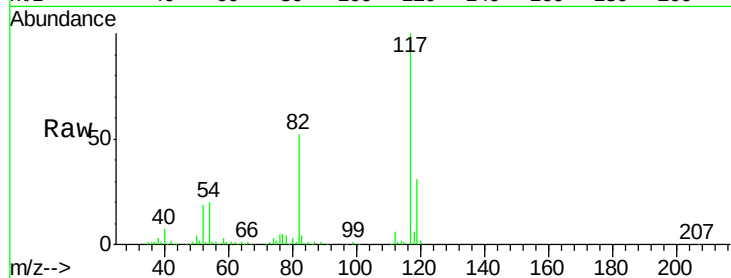




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

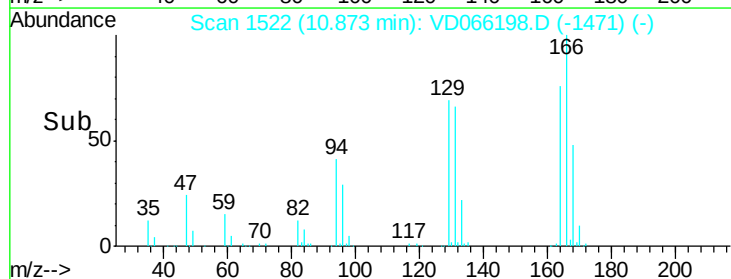
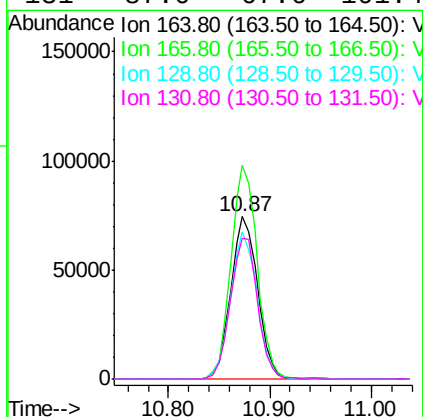
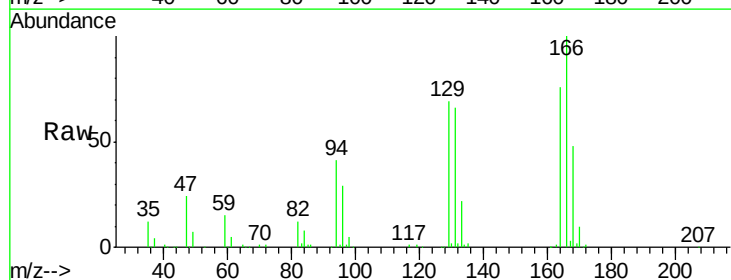
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

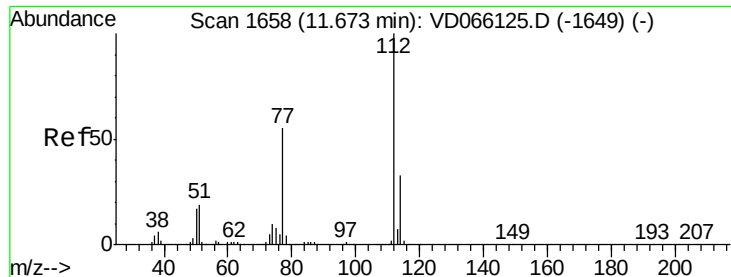
Tgt Ion:117 Resp: 374413
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 30.8 26.1 39.1



#64
Tetrachloroethene
Concen: 47.769 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion:164 Resp: 137340
Ion Ratio Lower Upper
164 100
166 131.7 101.9 152.9
129 90.9 68.1 102.1
131 87.0 67.6 101.4

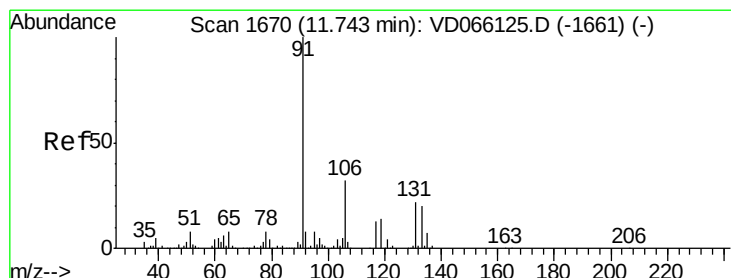
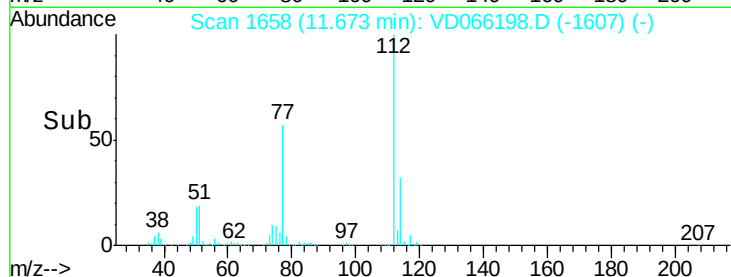
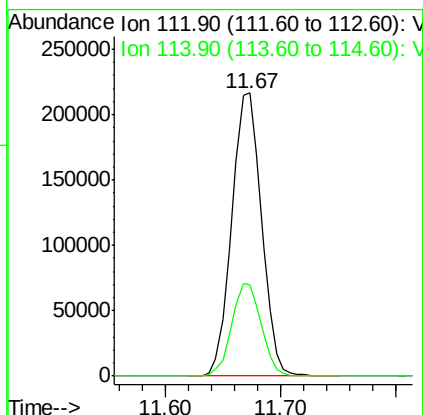
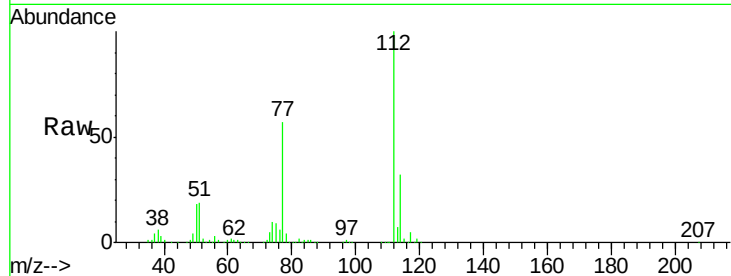




#65
Chlorobenzene
Concen: 50.991 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

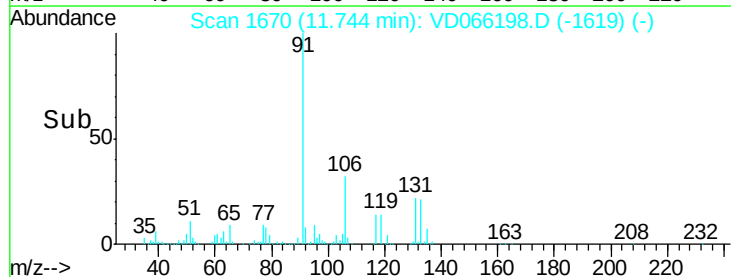
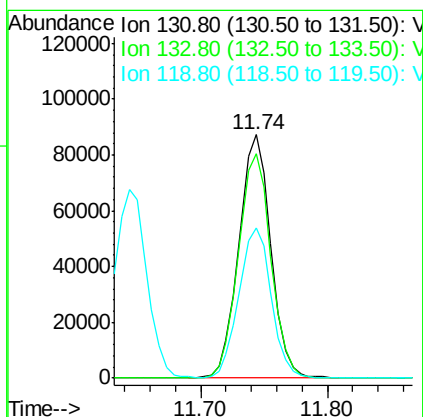
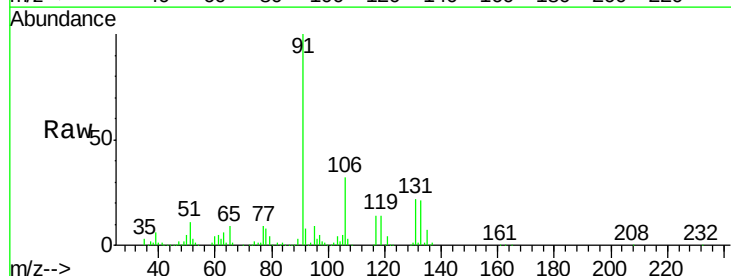
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

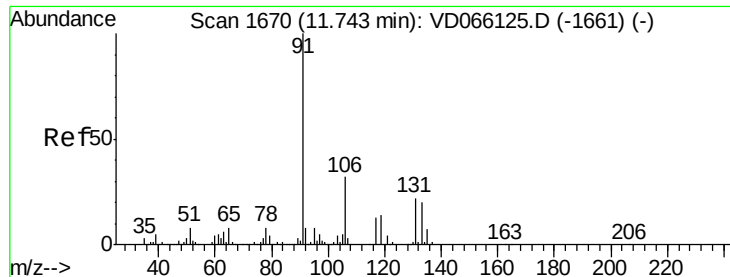
Tgt Ion:112 Resp: 387571
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 51.357 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion:131 Resp: 152732
Ion Ratio Lower Upper
131 100
133 94.0 47.1 141.4
119 62.7 31.6 94.7





#67

Ethyl Benzene

Concen: 50.258 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

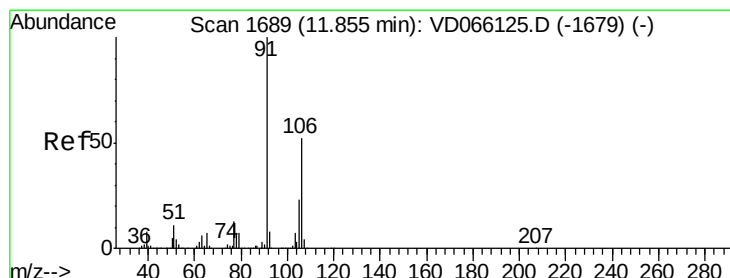
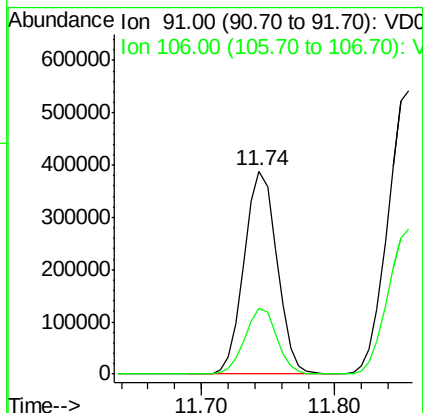
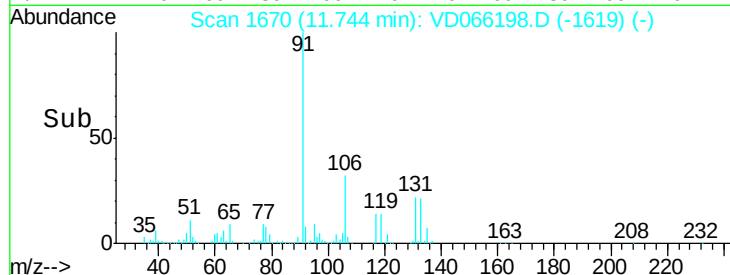
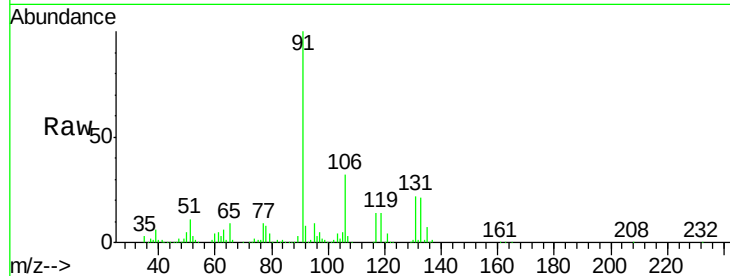
VSTDCCC050EC

Tgt Ion: 91 Resp: 661964

Ion Ratio Lower Upper

91 100

106 32.5 25.7 38.5



#68

m/p-Xylenes

Concen: 101.349 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066198.D

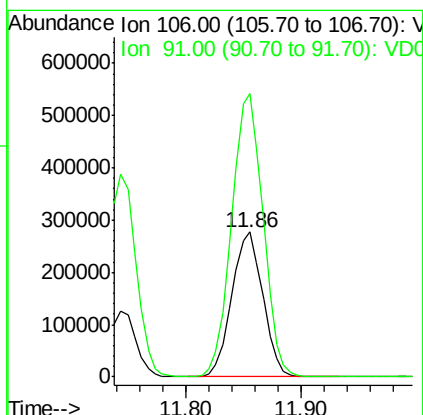
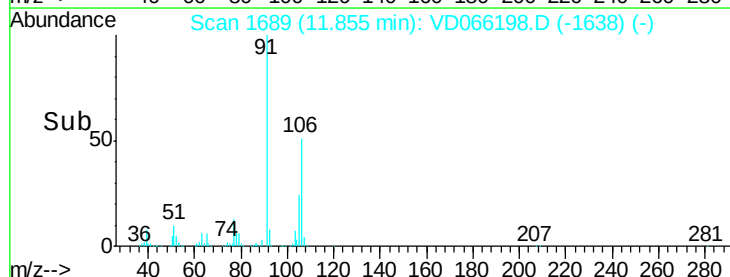
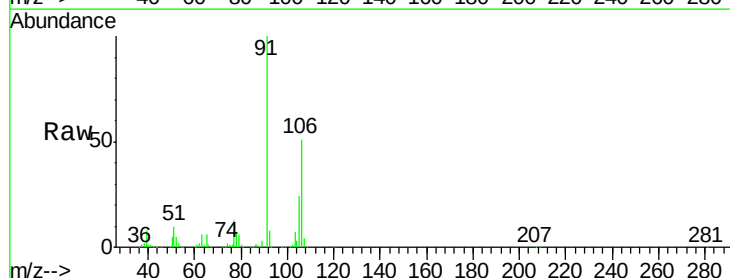
Acq: 11 Aug 2020 20:35

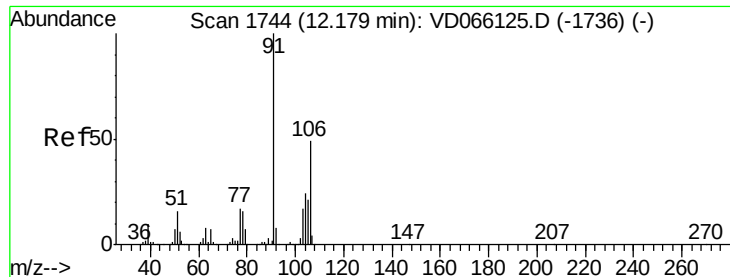
Tgt Ion: 106 Resp: 517196

Ion Ratio Lower Upper

106 100

91 197.8 156.6 235.0

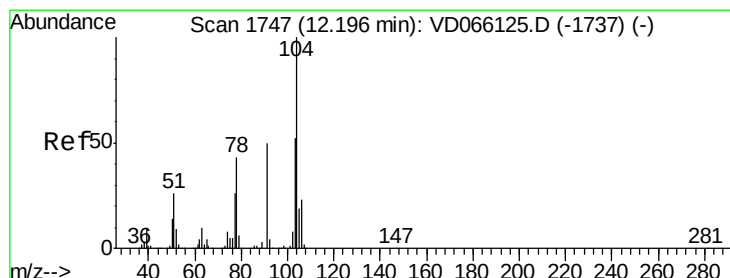
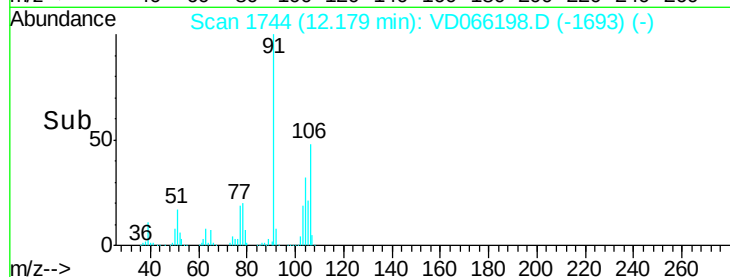
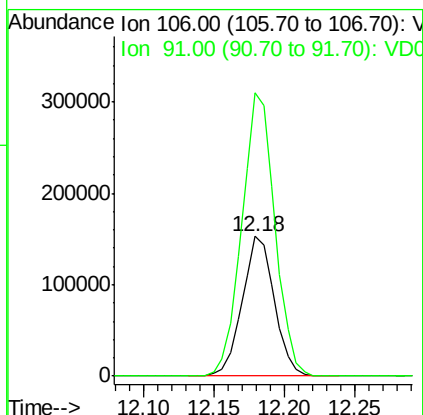
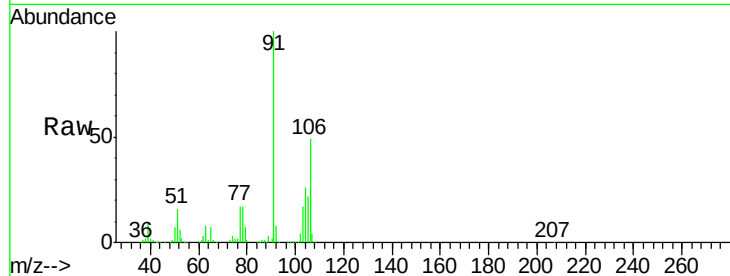




#69
o-Xylene
Concen: 52.459 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

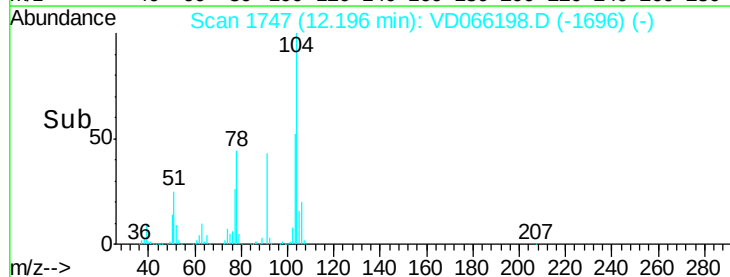
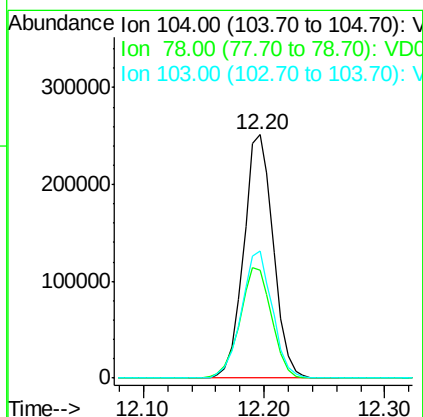
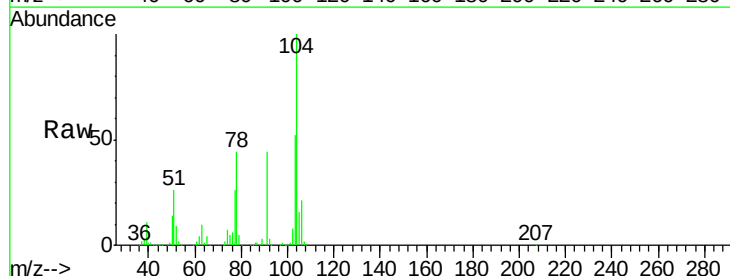
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

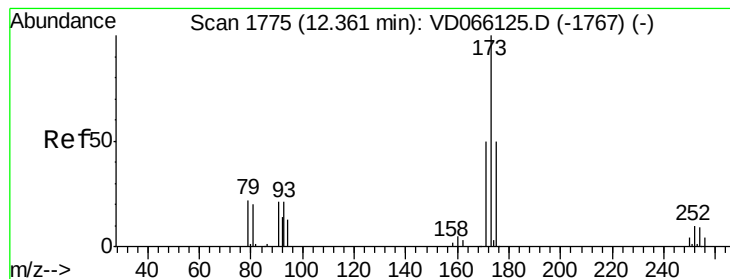
Tgt Ion:106 Resp: 243521
Ion Ratio Lower Upper
106 100
91 208.1 105.7 317.1



#70
Styrene
Concen: 52.712 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion:104 Resp: 428838
Ion Ratio Lower Upper
104 100
78 48.7 38.6 58.0
103 54.2 44.1 66.1





#71

Bromoform

Concen: 49.096 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

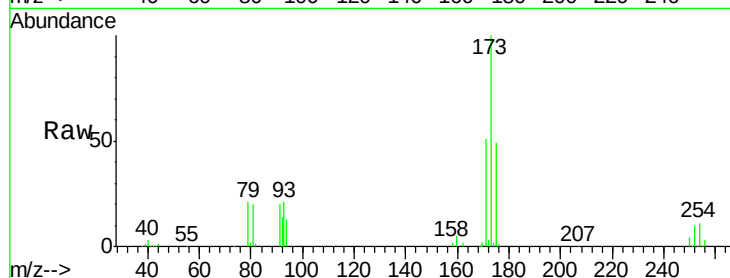
Tgt Ion:173 Resp: 86507

Ion Ratio Lower Upper

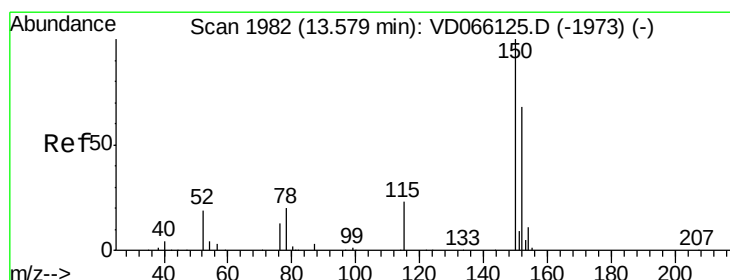
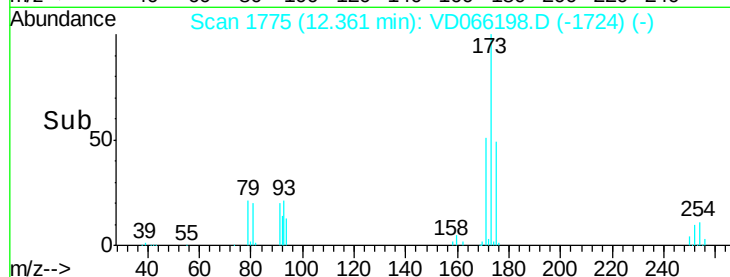
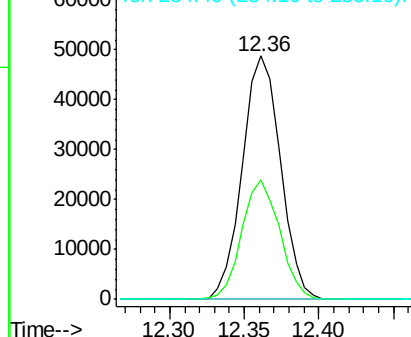
173 100

175 48.4 24.6 73.6

254 0.1 0.2 0.2#



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: VD066198.D

Acq: 11 Aug 2020 20:35

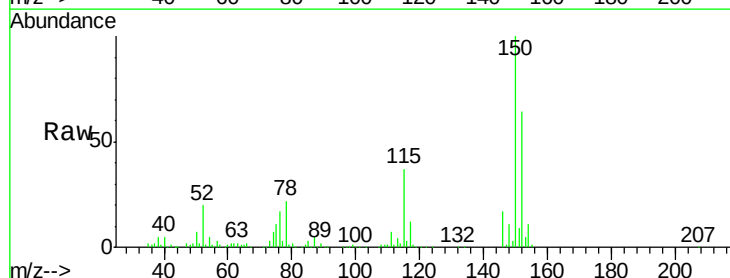
Tgt Ion:152 Resp: 188160

Ion Ratio Lower Upper

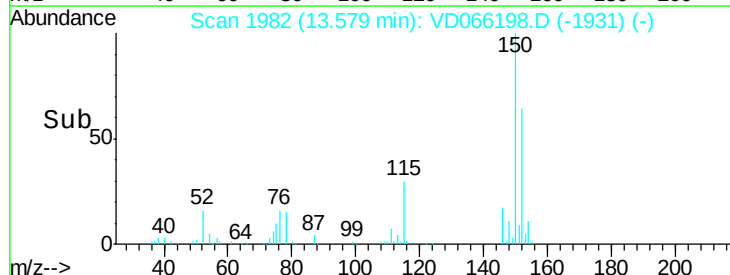
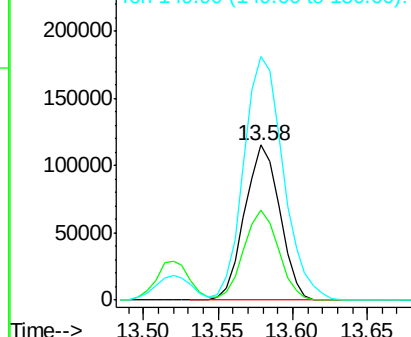
152 100

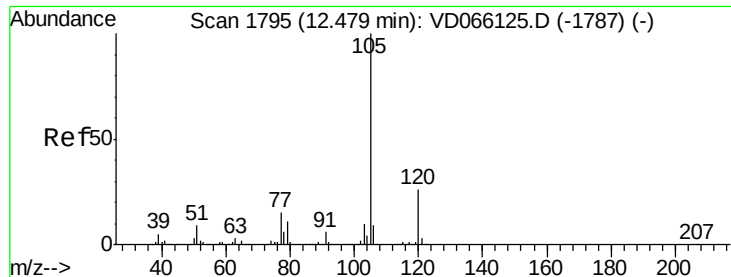
115 57.4 28.0 83.9

150 176.6 0.0 346.4



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





#73

Isopropylbenzene

Concen: 52.412 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

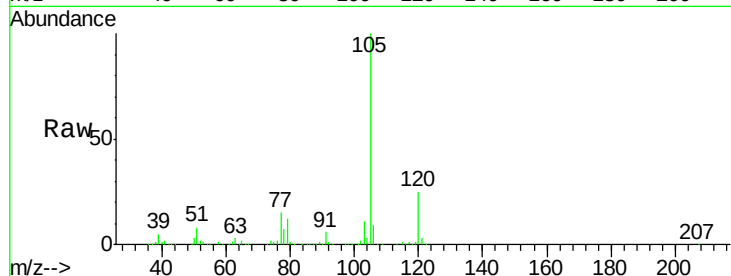
VSTDCCC050EC

Tgt Ion: 105 Resp: 658298

Ion Ratio Lower Upper

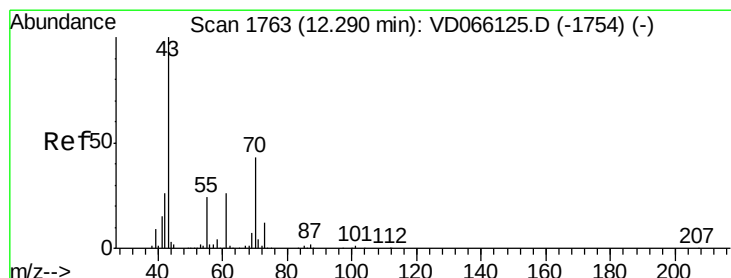
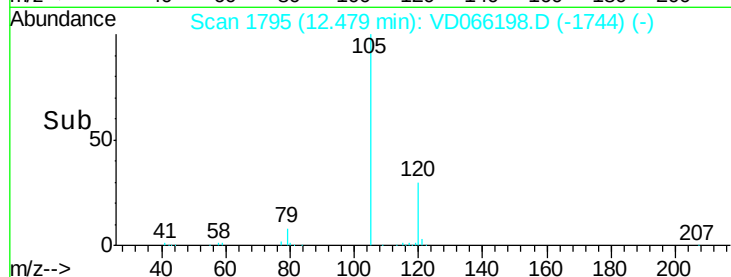
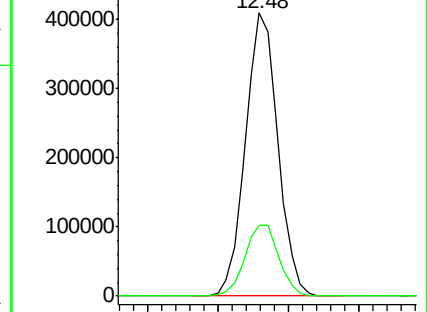
105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.637 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Tgt Ion: 43 Resp: 140052

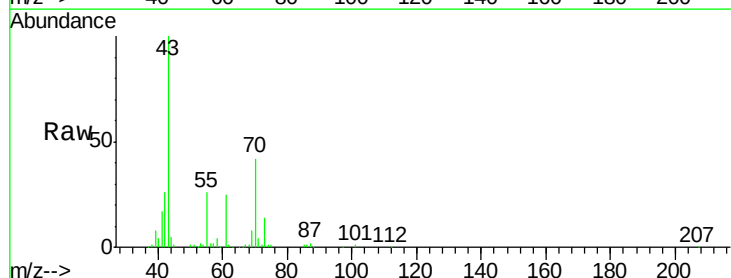
Ion Ratio Lower Upper

43 100

70 43.6 34.9 52.3

55 25.0 19.2 28.8

61 23.3 19.7 29.5

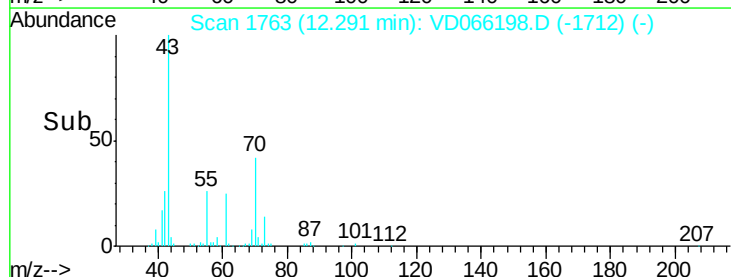
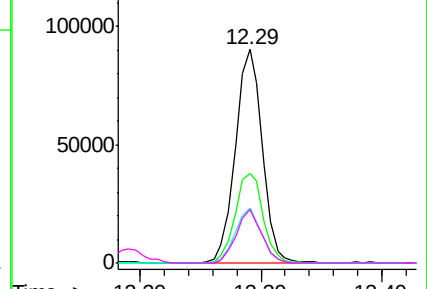


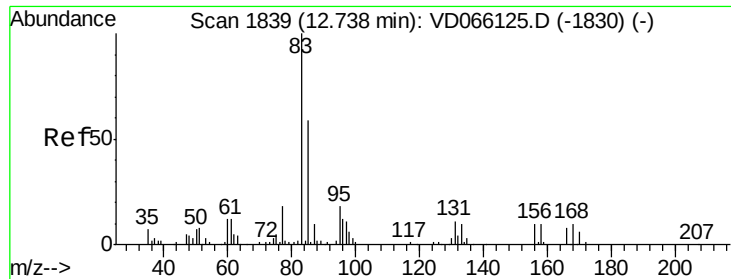
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.606 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

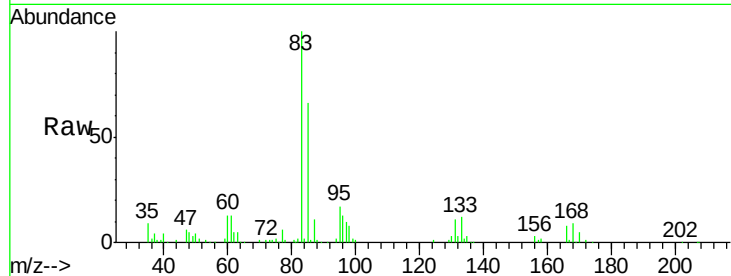
Tgt Ion: 83 Resp: 108384

Ion Ratio Lower Upper

83 100

131 11.0 6.2 18.6

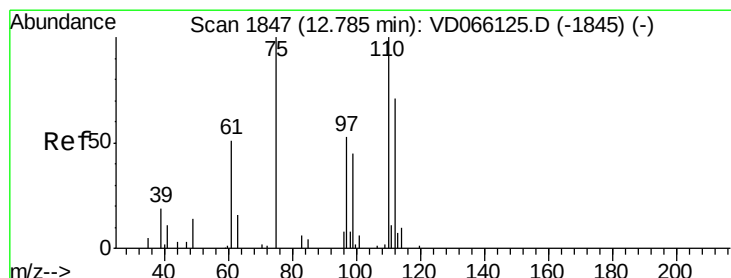
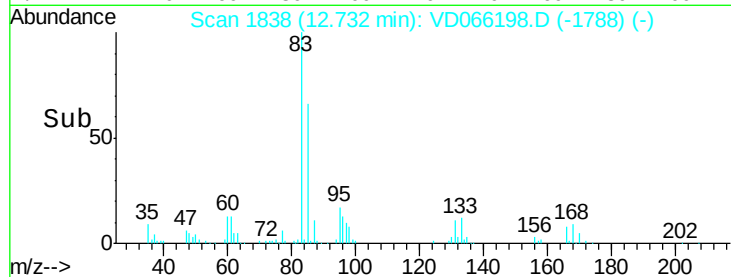
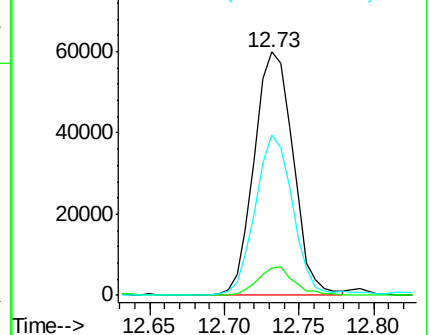
85 64.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 91.038 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066198.D

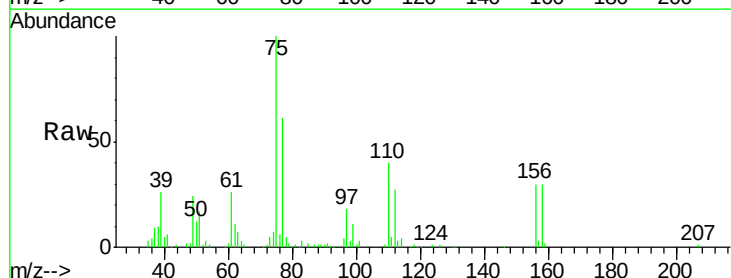
Acq: 11 Aug 2020 20:35

Tgt Ion: 75 Resp: 142849

Ion Ratio Lower Upper

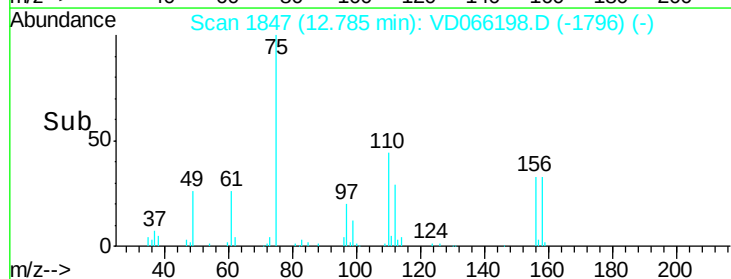
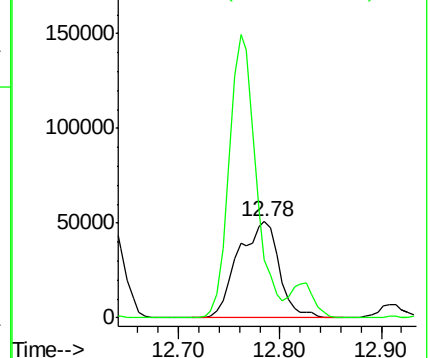
75 100

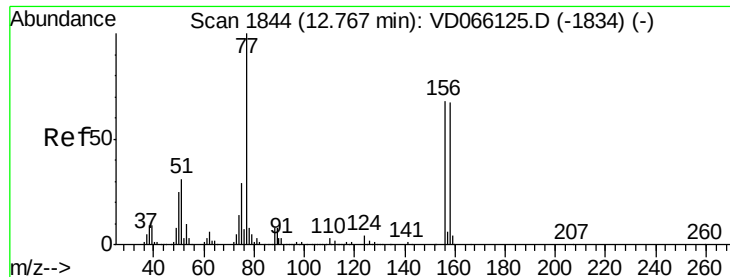
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.280 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

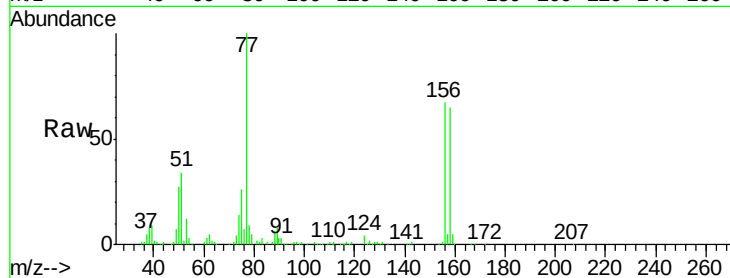
Tgt Ion: 156 Resp: 169033

Ion Ratio Lower Upper

156 100

77 163.1 81.0 243.1

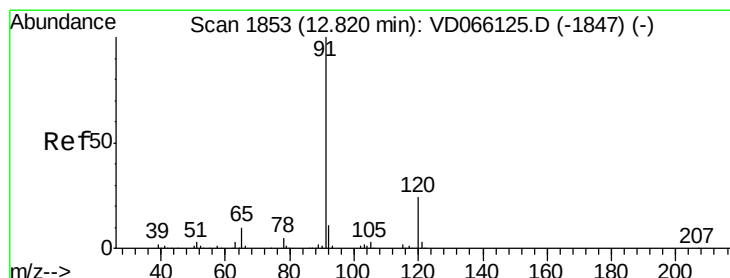
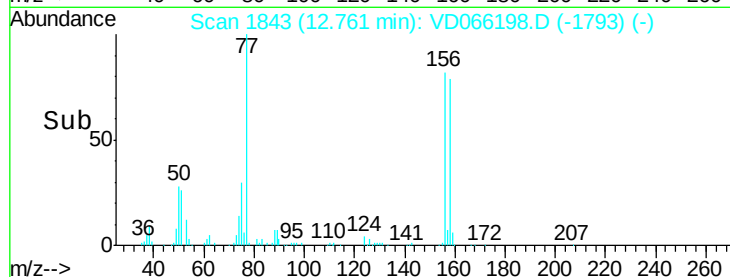
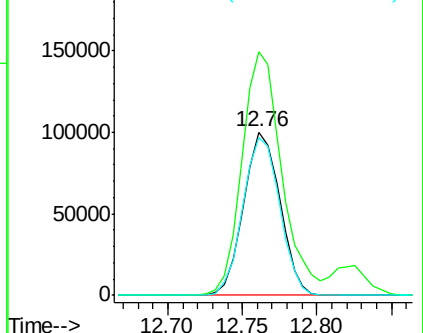
158 98.2 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.236 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066198.D

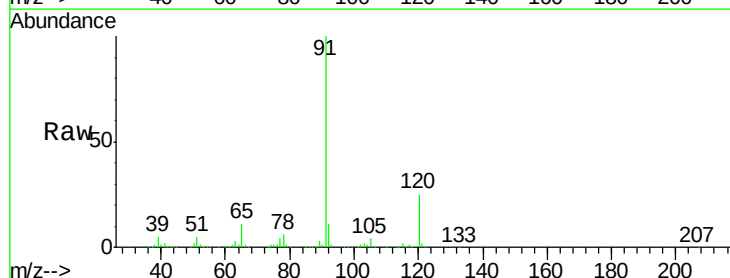
Acq: 11 Aug 2020 20:35

Tgt Ion: 91 Resp: 748059

Ion Ratio Lower Upper

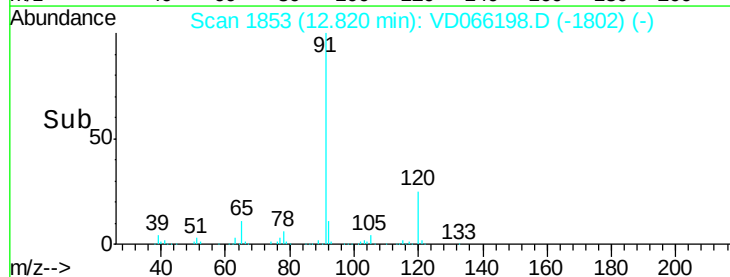
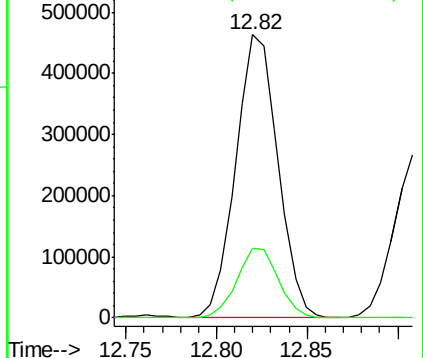
91 100

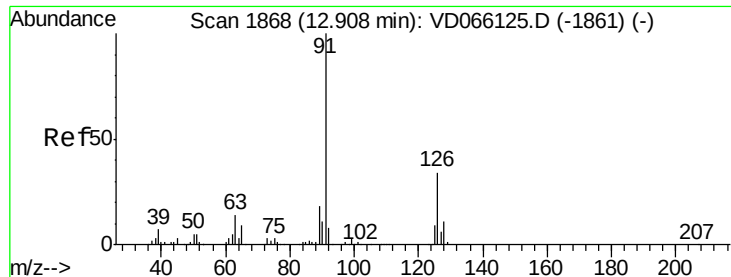
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.807 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

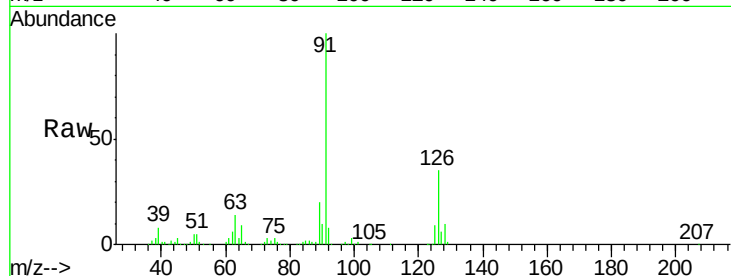
VSTDCCC050EC

Tgt Ion: 91 Resp: 440959

Ion Ratio Lower Upper

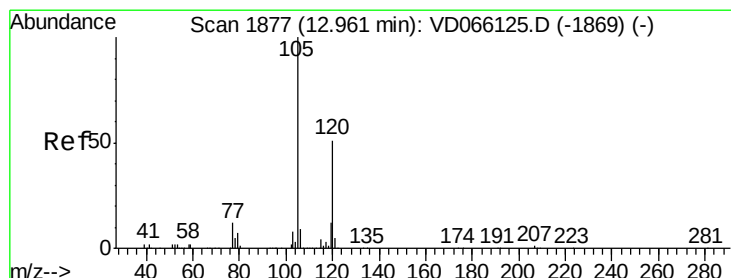
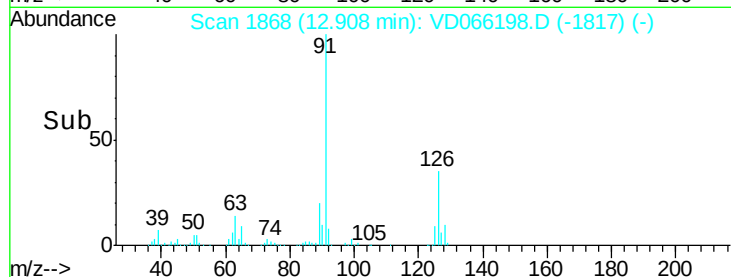
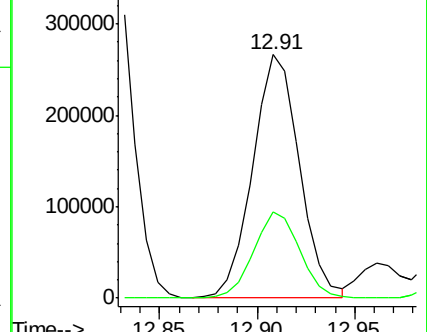
91 100

126 35.0 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066125.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066125.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.603 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066198.D

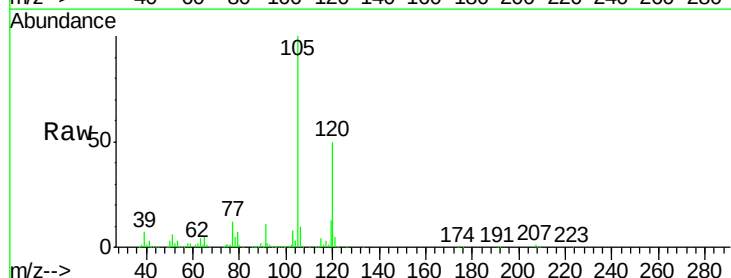
Acq: 11 Aug 2020 20:35

Tgt Ion: 105 Resp: 552547

Ion Ratio Lower Upper

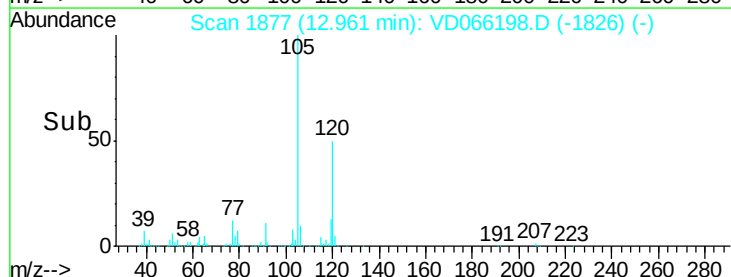
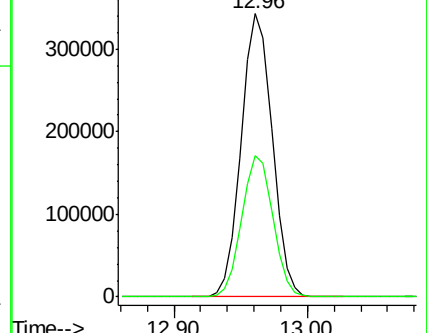
105 100

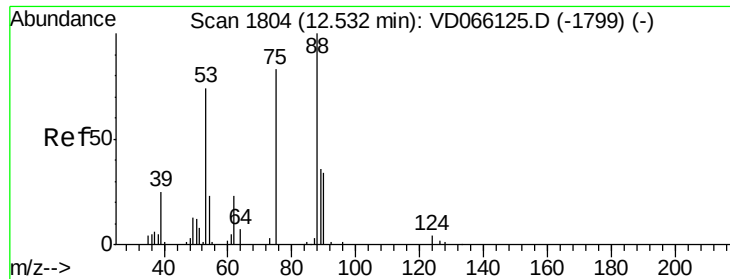
120 50.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066125.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD066125.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.645 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

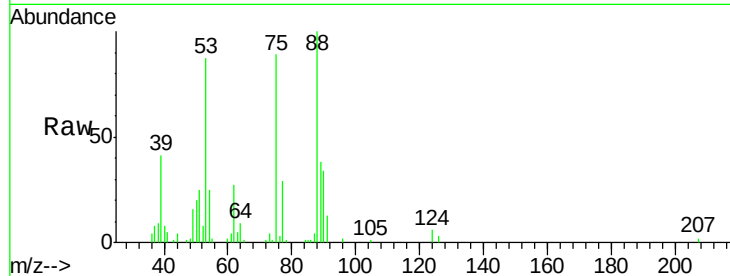
Tgt Ion: 75 Resp: 33110

Ion Ratio Lower Upper

75 100

53 100.9 73.4 110.2

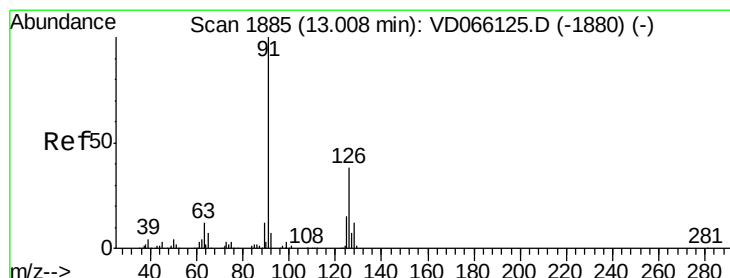
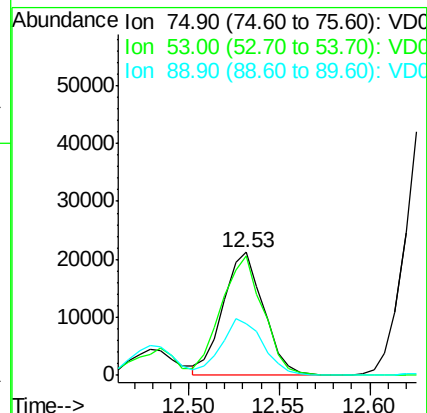
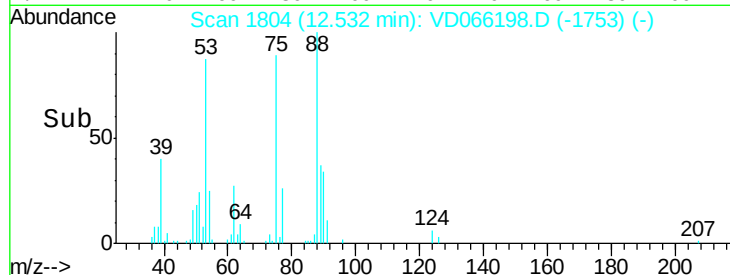
89 47.0 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.727 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066198.D

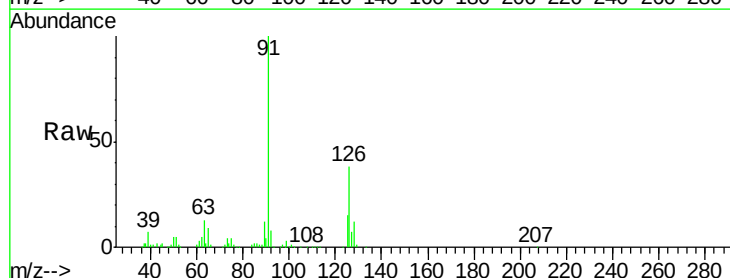
Acq: 11 Aug 2020 20:35

Tgt Ion: 91 Resp: 464787

Ion Ratio Lower Upper

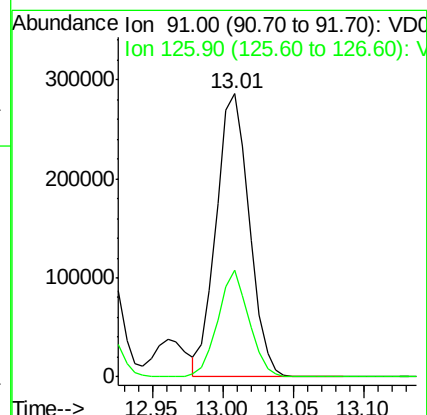
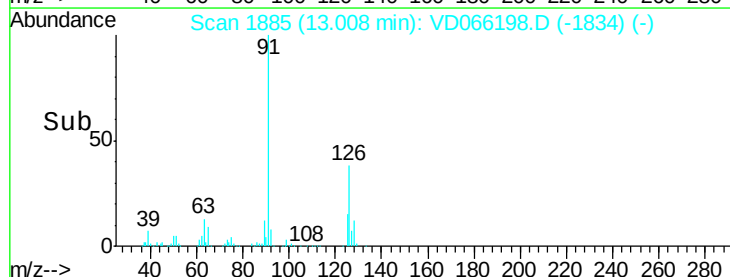
91 100

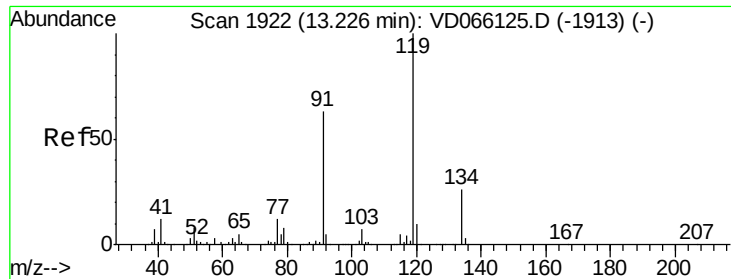
126 35.2 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

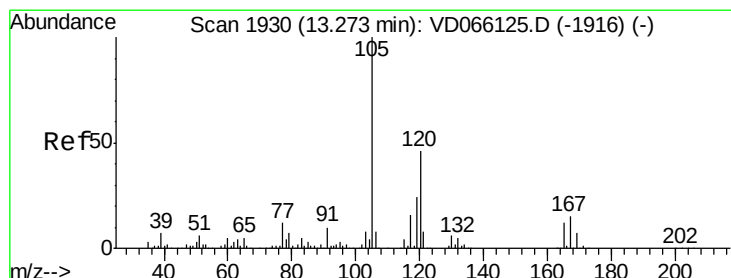
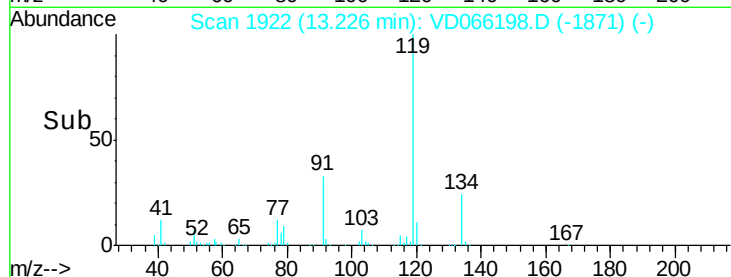
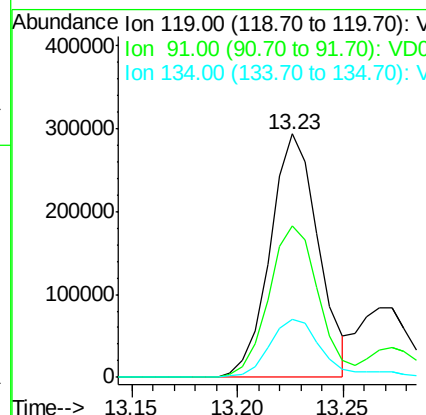
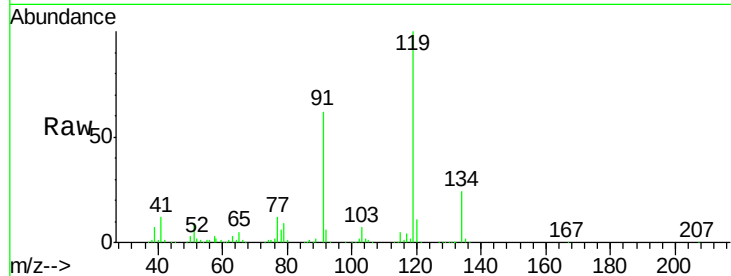




#83
 tert-Butylbenzene
 Concen: 50.683 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

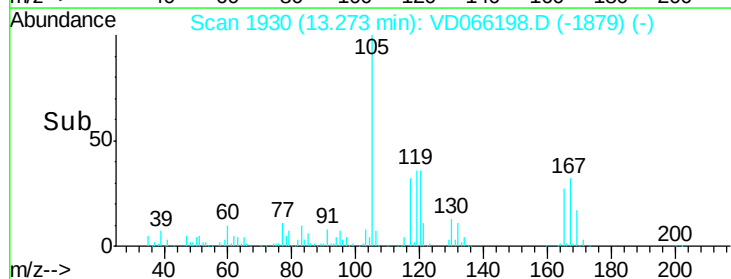
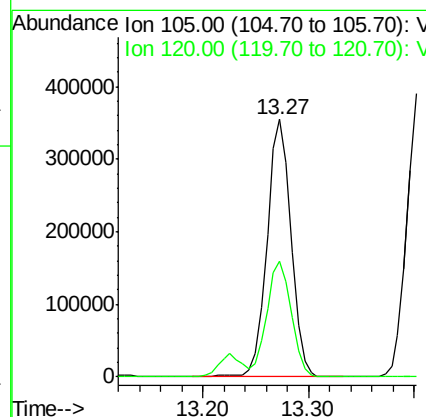
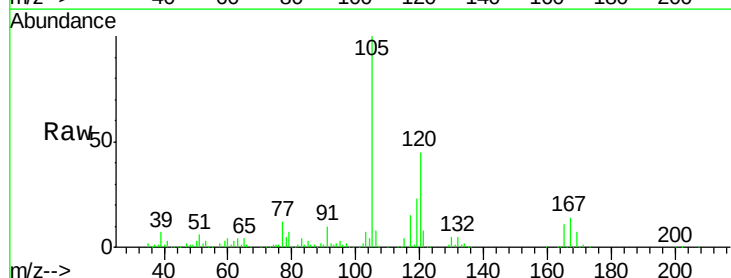
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

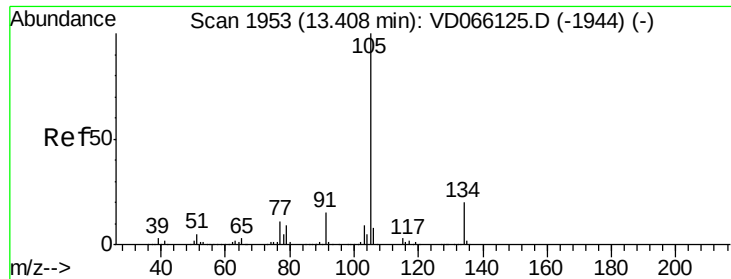
Tgt Ion:119 Resp: 468195
 Ion Ratio Lower Upper
 119 100
 91 64.1 30.8 92.4
 134 27.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.231 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion:105 Resp: 559572
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 50.470 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

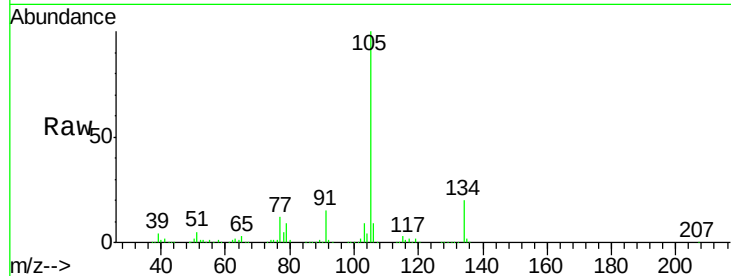
VSTDCCC050EC

Tgt Ion:105 Resp: 629472

Ion Ratio Lower Upper

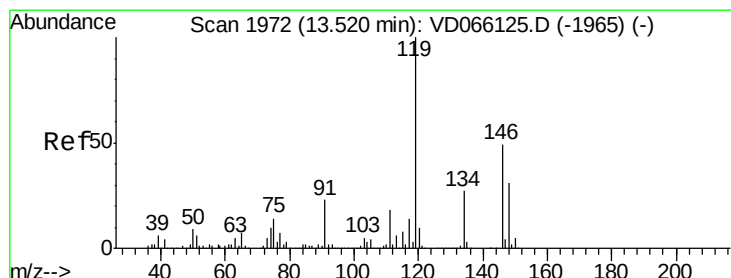
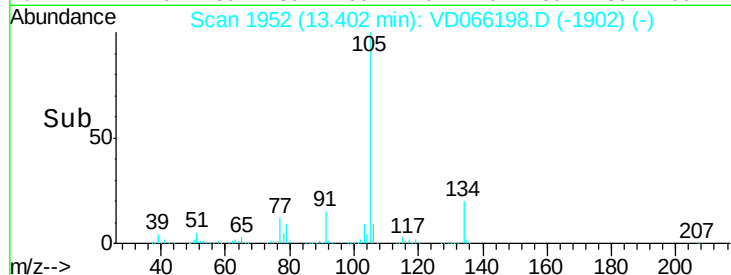
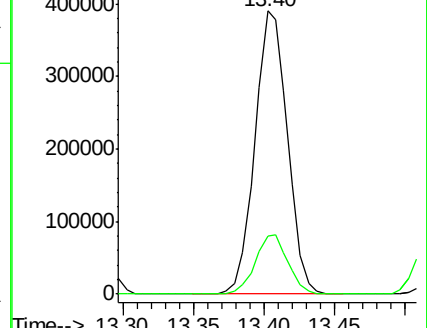
105 100

134 21.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.565 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066198.D

Acq: 11 Aug 2020 20:35

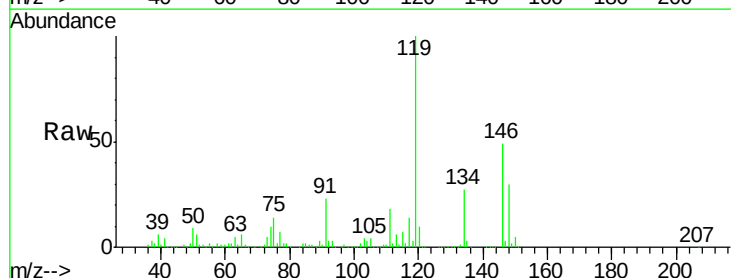
Tgt Ion:119 Resp: 591497

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

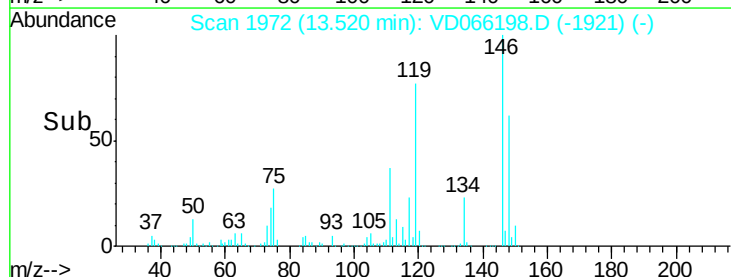
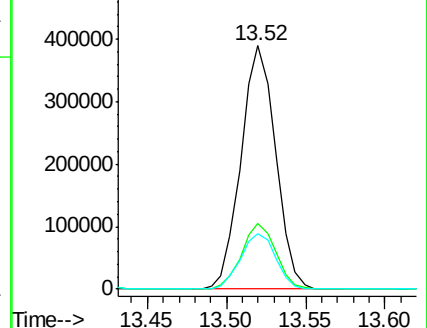
91 23.1 11.2 33.5

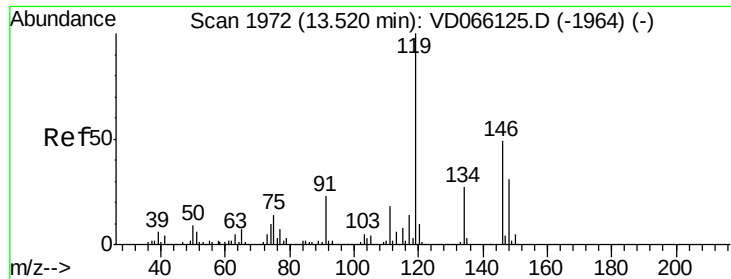


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

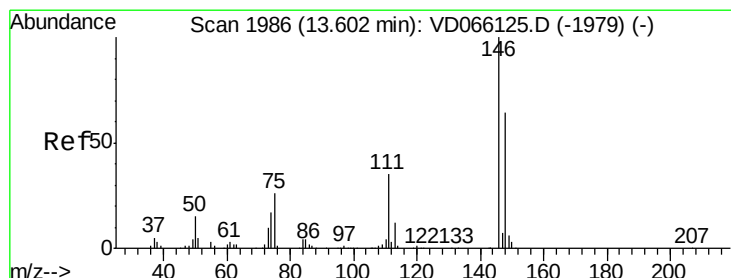
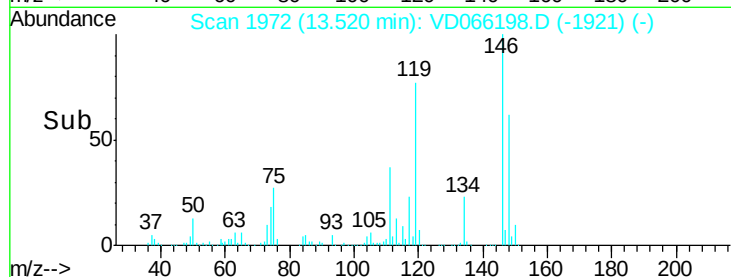
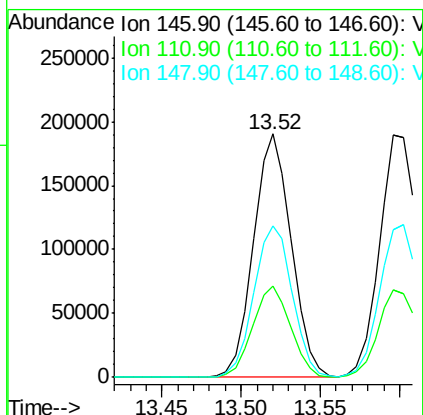
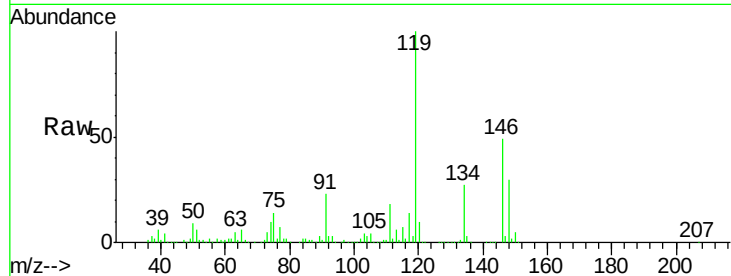




#87
 1,3-Dichlorobenzene
 Concen: 51.818 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

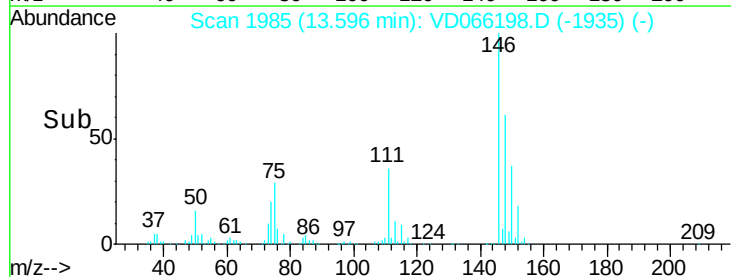
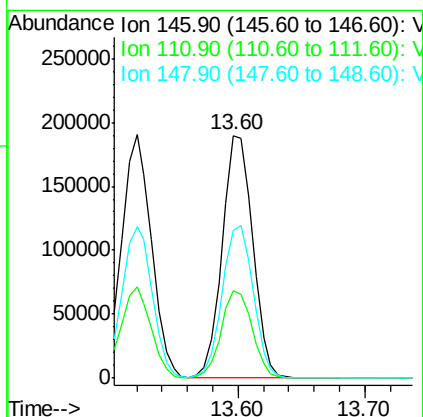
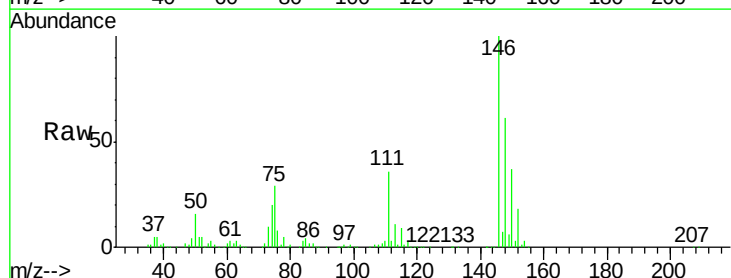
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

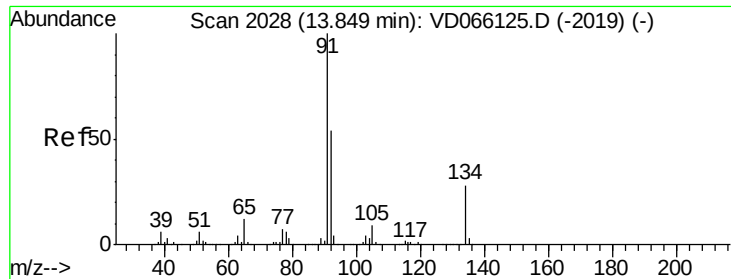
Tgt Ion:146 Resp: 314885
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.9
 148 63.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.226 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion:146 Resp: 316501
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.8
 148 64.0 32.4 97.0

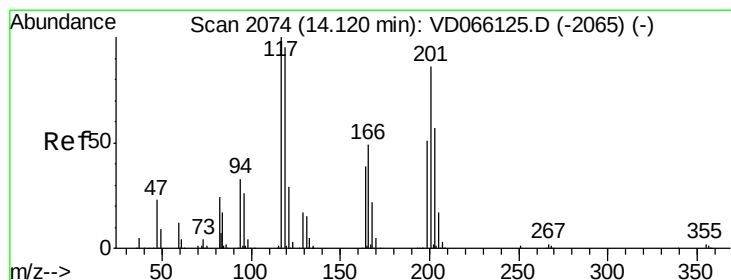
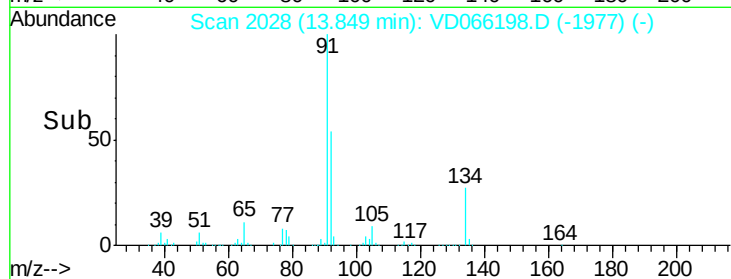
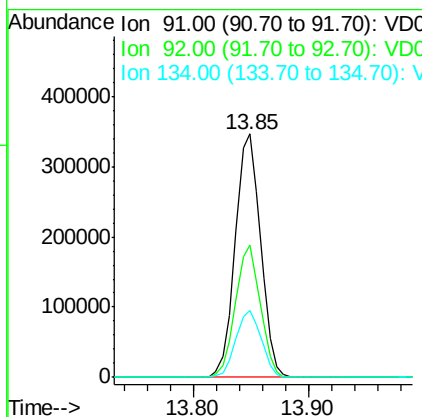
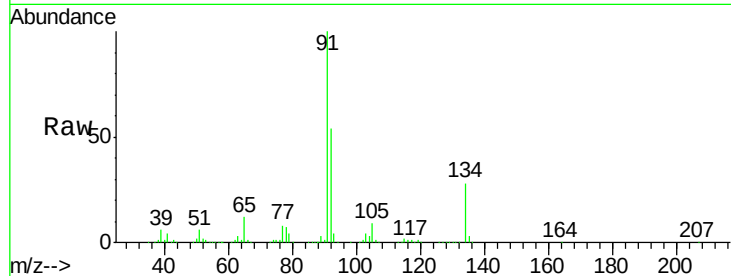




#89
n-Butylbenzene
Concen: 50.185 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

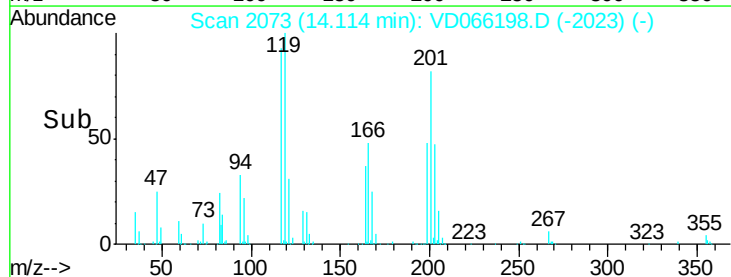
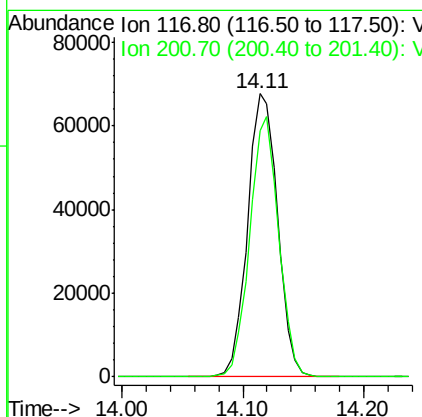
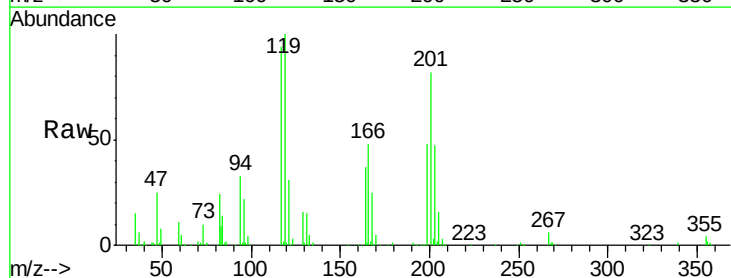
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

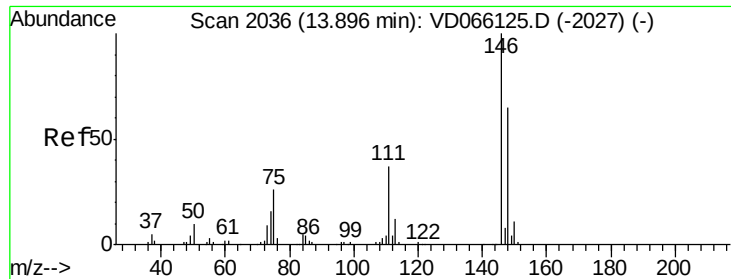
Tgt Ion: 91 Resp: 525973
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.3
134 27.8 14.0 41.9



#90
Hexachloroethane
Concen: 50.565 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion: 117 Resp: 117969
Ion Ratio Lower Upper
117 100
201 88.3 42.7 128.1

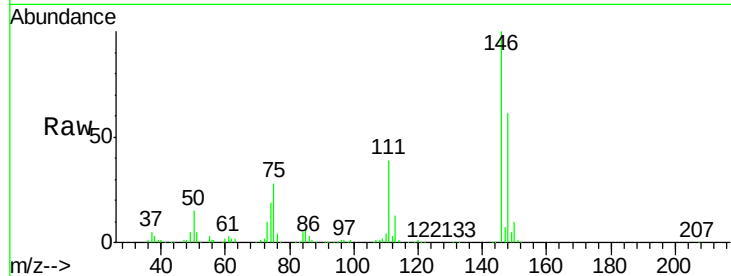




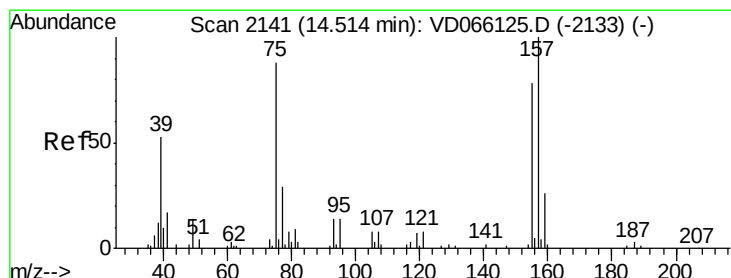
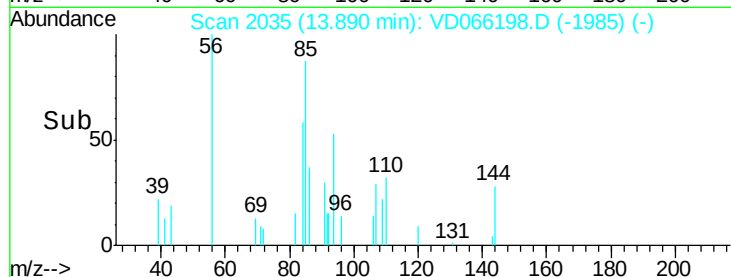
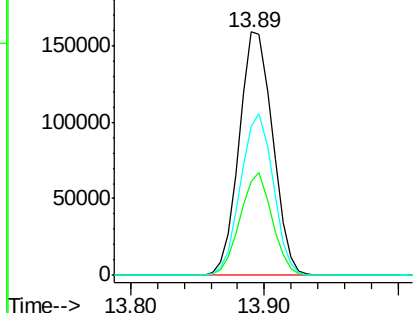
#91
 1,2-Dichlorobenzene
 Concen: 51.607 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 277344
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.8 56.3
 148 64.4 31.9 95.5

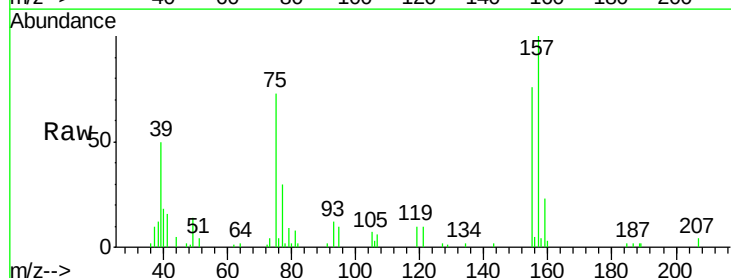


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

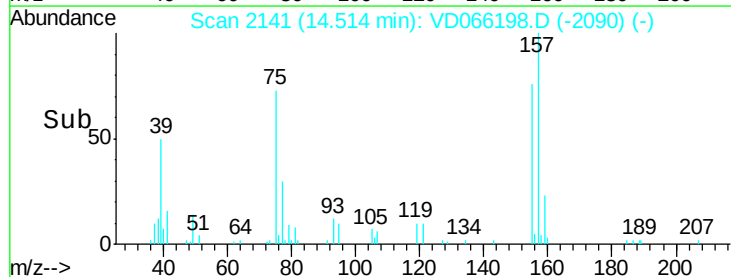
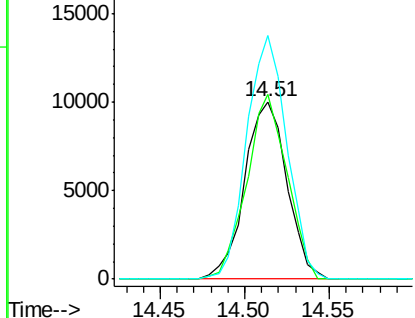


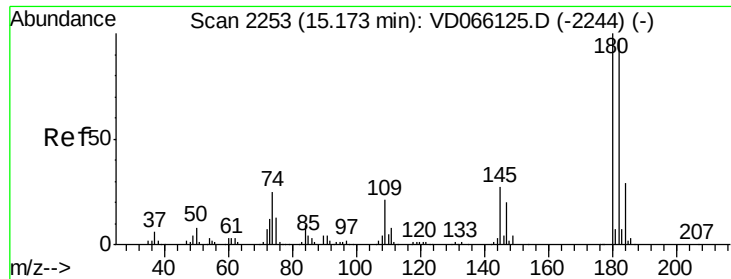
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.529 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion: 75 Resp: 17495
 Ion Ratio Lower Upper
 75 100
 155 99.7 47.7 143.1
 157 130.6 62.1 186.2



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

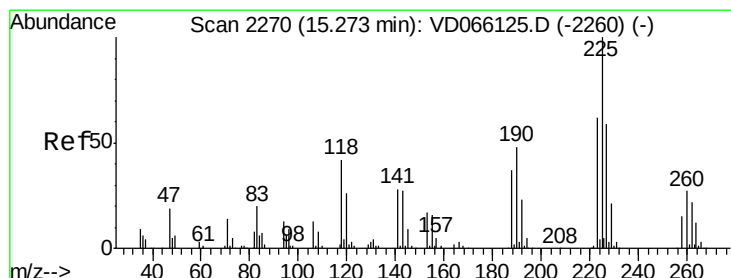
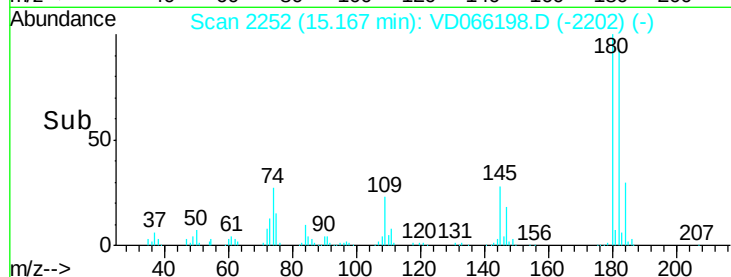
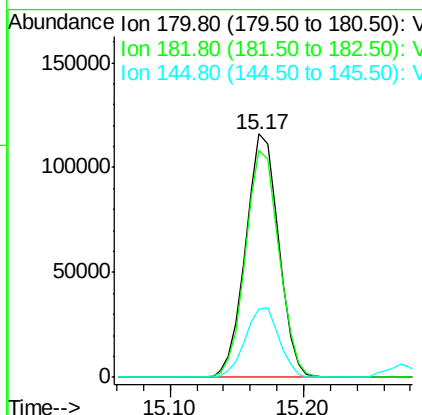
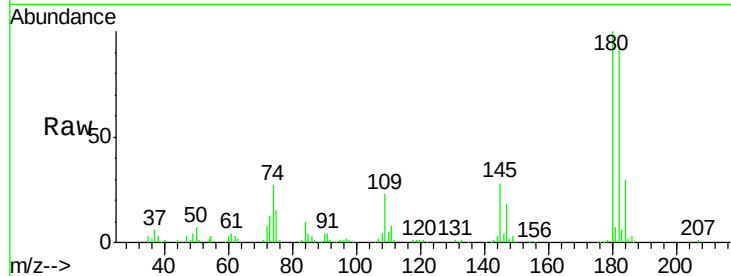




#93
 1,2,4-Trichlorobenzene
 Concen: 49.989 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

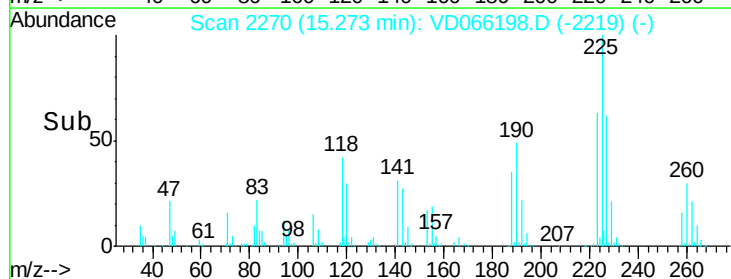
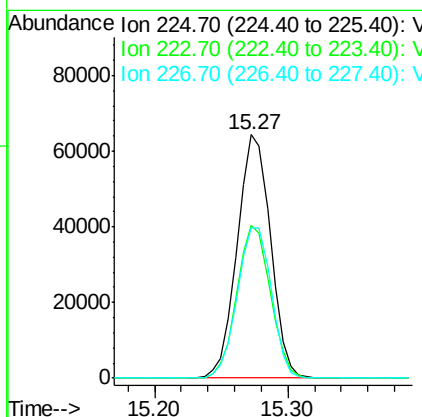
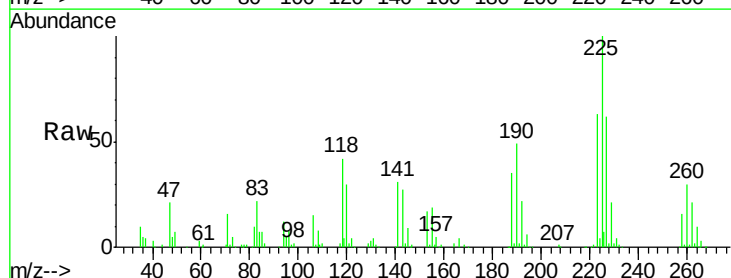
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

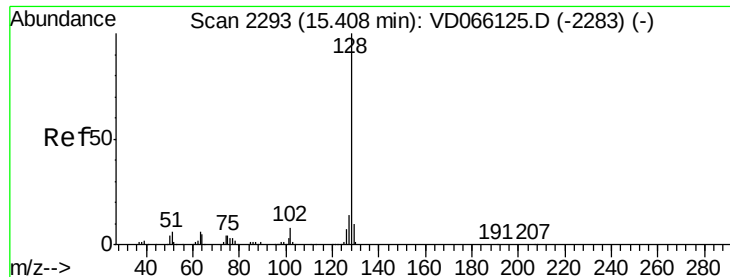
Tgt Ion:180 Resp: 197974
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.4 142.2
 145 29.4 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 47.634 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066198.D
 Acq: 11 Aug 2020 20:35

Tgt Ion:225 Resp: 111088
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.3 96.9
 227 63.5 32.1 96.5

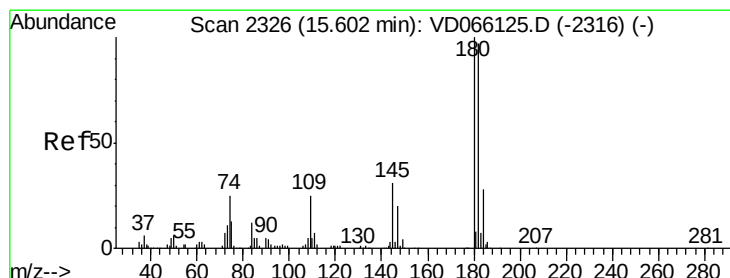
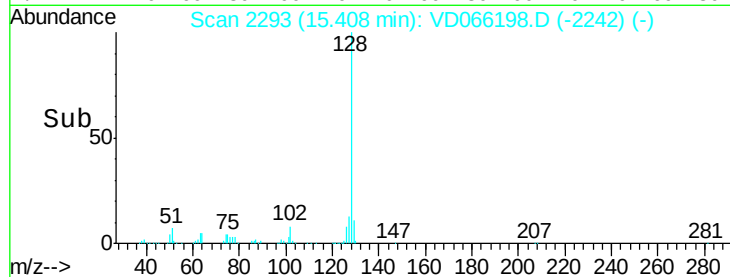
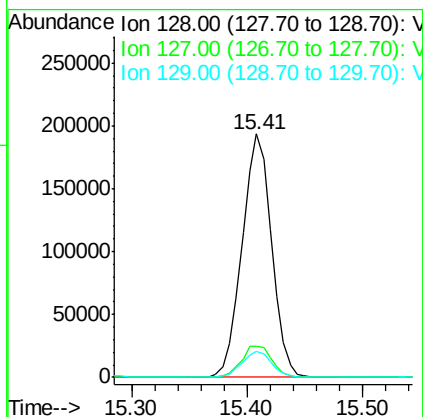
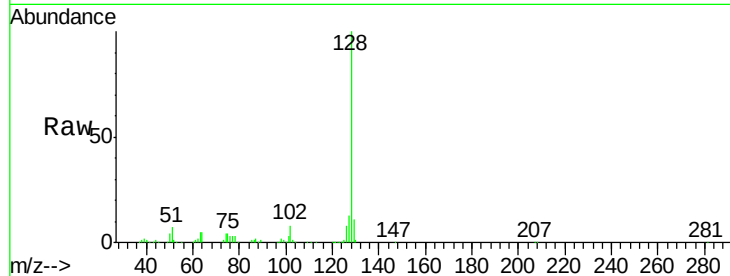




#95
Naphthalene
Concen: 53.073 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 342487
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.011 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066198.D
Acq: 11 Aug 2020 20:35

Tgt Ion:180 Resp: 178341
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.4
145 30.8 14.9 44.9

