

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066209.D
 Acq On : 13 Aug 2020 13:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 02:59:43 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	328657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	466268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	416747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216764	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	142102	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
35) Dibromofluoromethane	7.91	113	147100	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.34	98	542717	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.63	95	193334	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	124741	43.080	ug/l	100
3) Chloromethane	2.20	50	99639	44.236	ug/l	93
4) Vinyl Chloride	2.34	62	97737	49.012	ug/l	99
5) Bromomethane	2.77	94	69109	52.235	ug/l	100
6) Chloroethane	2.91	64	59484	48.594	ug/l #	89
7) Trichlorofluoromethane	3.27	101	258533	49.728	ug/l	97
8) Diethyl Ether	3.70	74	71862	48.988	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	153370	49.708	ug/l	98
10) Methyl Iodide	4.30	142	164129	57.298	ug/l	98
11) Tert butyl alcohol	5.21	59	51323	231.616	ug/l	97
12) 1,1-Dichloroethene	4.06	96	142958	49.116	ug/l	99
13) Acrolein	3.92	56	47522	203.616	ug/l	98
14) Allyl chloride	4.71	41	216553	49.110	ug/l	97
15) Acrylonitrile	5.42	53	152075	246.012	ug/l	97
16) Acetone	4.16	43	162928	292.853	ug/l	96
17) Carbon Disulfide	4.40	76	413372	44.667	ug/l	97
18) Methyl Acetate	4.71	43	66868	47.319	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	341633	51.209	ug/l	100
20) Methylene Chloride	4.96	84	176694	55.848	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	161414	48.275	ug/l	94
22) Diisopropyl ether	6.36	45	437978	50.228	ug/l	99
23) Vinyl Acetate	6.30	43	1295142	253.529	ug/l	100
24) 1,1-Dichloroethane	6.26	63	268261	49.711	ug/l	97
25) 2-Butanone	7.21	43	206265	252.070	ug/l	96
26) 2,2-Dichloropropane	7.20	77	257720	53.285	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	177053	50.485	ug/l	99
28) Bromochloromethane	7.54	49	95791	50.540	ug/l	99
29) Tetrahydrofuran	7.56	42	125912	248.357	ug/l	99
30) Chloroform	7.71	83	285334	50.355	ug/l	93
31) Cyclohexane	7.98	56	238742	46.476	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	277353	52.204	ug/l	100
36) 1,1-Dichloropropene	8.11	75	226750	51.752	ug/l	99
37) Ethyl Acetate	7.29	43	87467	50.384	ug/l	98
38) Carbon Tetrachloride	8.09	117	259756	53.163	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	273383	51.615	ug/l	98
40) Benzene	8.35	78	613027	50.436	ug/l	100
41) Methacrylonitrile	7.52	41	51392	50.349	ug/l	98
42) 1,2-Dichloroethane	8.42	62	185296	51.894	ug/l	98
43) Isopropyl Acetate	8.45	43	176447	51.586	ug/l	99
44) Trichloroethene	9.11	130	190731	52.075	ug/l	98
45) 1,2-Dichloropropane	9.38	63	151743	51.045	ug/l	95
46) Dibromomethane	9.47	93	84549	51.635	ug/l	99
47) Bromodichloromethane	9.66	83	225531	52.113	ug/l	93
48) Methyl methacrylate	9.46	41	90287	51.694	ug/l	95
49) 1,4-Dioxane	9.46	88	20897	993.345	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	455890	259.479	ug/l	100
52) Toluene	10.40	92	410971	51.384	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	214821	52.305	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	257880	53.592	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	119590	50.720	ug/l	95
56) Ethyl methacrylate	10.66	69	151072	53.336	ug/l	96
57) 1,3-Dichloropropane	10.94	76	200537	51.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	348855	273.811	ug/l	100
59) 2-Hexanone	10.98	43	324906	263.497	ug/l	98
60) Dibromochloromethane	11.14	129	166181	51.051	ug/l	99
61) 1,2-Dibromoethane	11.24	107	117062	51.625	ug/l	99
64) Tetrachloroethene	10.87	164	162561	50.798	ug/l	95
65) Chlorobenzene	11.67	112	446914	52.826	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	176042	53.182	ug/l	99
67) Ethyl Benzene	11.74	91	806285	54.997	ug/l	96
68) m/p-Xylenes	11.86	106	609070	107.229	ug/l	97
69) o-Xylene	12.18	106	280659	54.317	ug/l	99
70) Styrene	12.20	104	488422	53.937	ug/l	99
71) Bromoform	12.36	173	103171	52.606	ug/l #	99
73) Isopropylbenzene	12.48	105	798666	55.197	ug/l	100
74) N-amyl acetate	12.29	43	170010	53.357	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	130029	52.701	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	172768	95.576	ug/l #	100
77) Bromobenzene	12.76	156	194820	52.304	ug/l	99
78) n-propylbenzene	12.82	91	919270	54.654	ug/l	100
79) 2-Chlorotoluene	12.91	91	516579	53.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	662962	54.786	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	44888	54.893	ug/l	99
82) 4-Chlorotoluene	13.01	91	542229	53.395	ug/l	100
83) tert-Butylbenzene	13.23	119	575531	54.081	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	662337	54.692	ug/l	100
85) sec-Butylbenzene	13.41	105	795469	55.363	ug/l	100
86) p-Isopropyltoluene	13.52	119	747017	55.433	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	366452	52.347	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	366592	52.509	ug/l	99
89) n-Butylbenzene	13.85	91	668636	55.378	ug/l	98
90) Hexachloroethane	14.11	117	144922	53.921	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	324892	52.477	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21960	51.786	ug/l	97

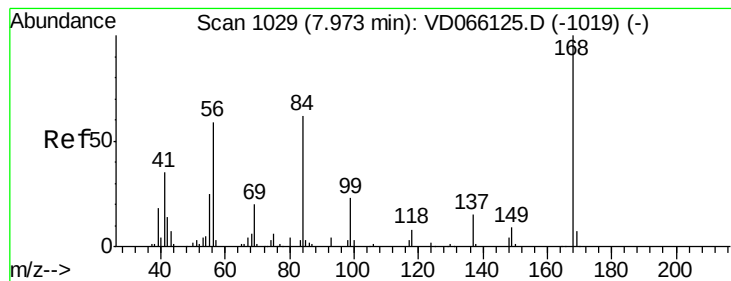
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	255431	55.986	ug/l	98
94) Hexachlorobutadiene	15.27	225	149785	55.752	ug/l	98
95) Naphthalene	15.41	128	416497	56.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	216329	53.712	ug/l	98

(#) = 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: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

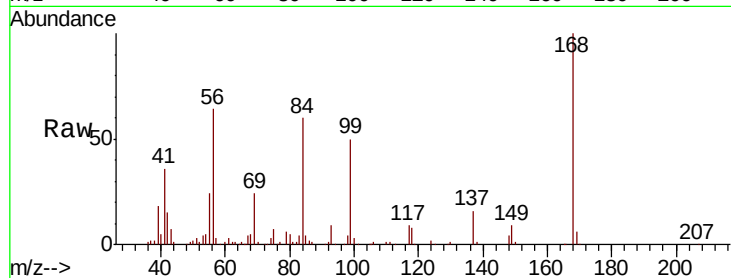
VSTDCCC050

Tot Ion:168 Resp: 328657

Ion Ratio Lower Upper

168 100

99 49.5 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

150000

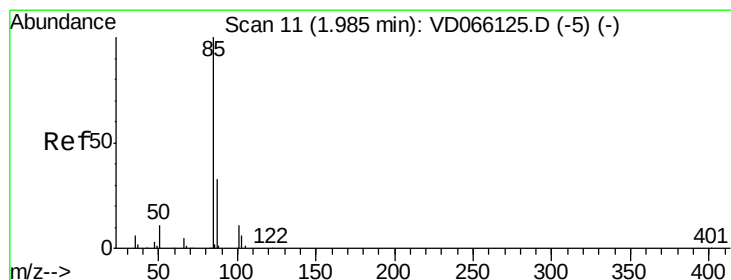
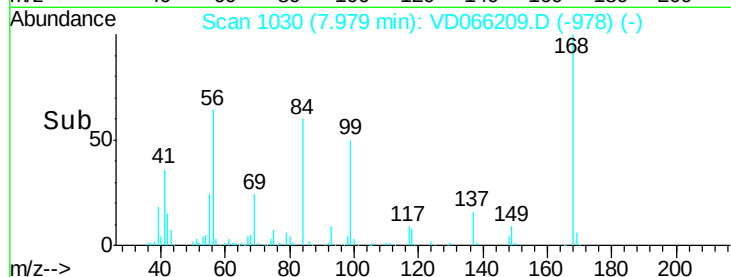
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.080 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066209.D

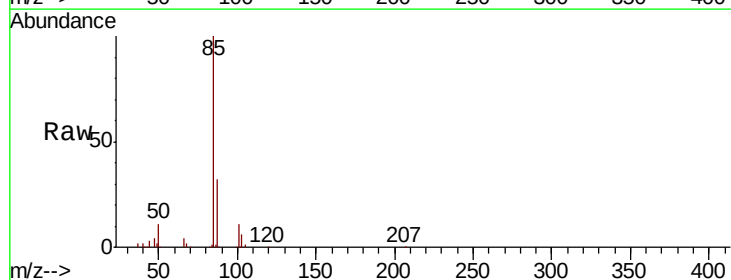
Acq: 13 Aug 2020 13:45

Tgt Ion: 85 Resp: 124741

Ion Ratio Lower Upper

85 100

87 32.2 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

100000

80000

60000

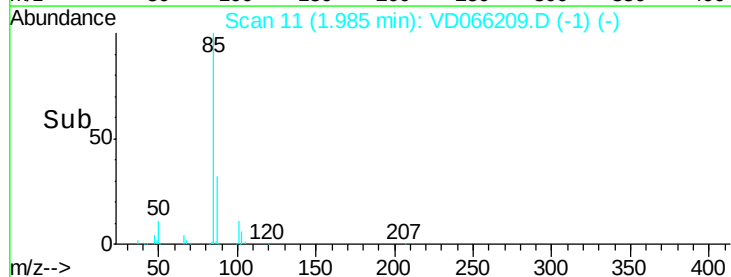
40000

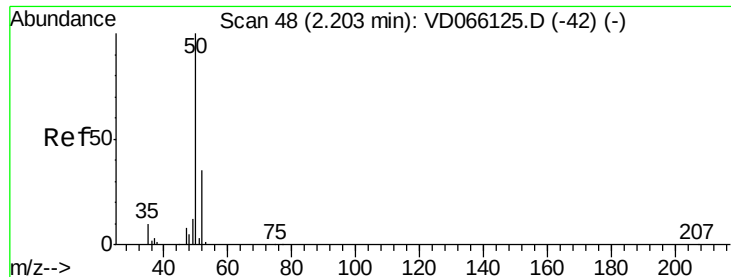
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 44.236 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

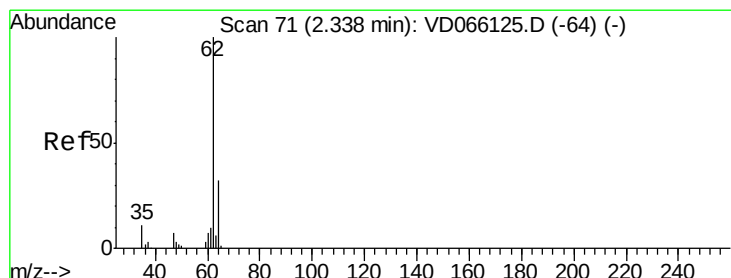
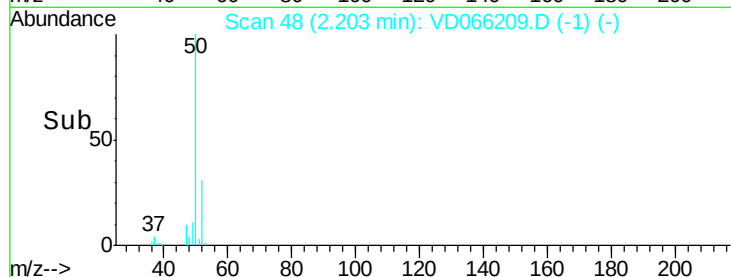
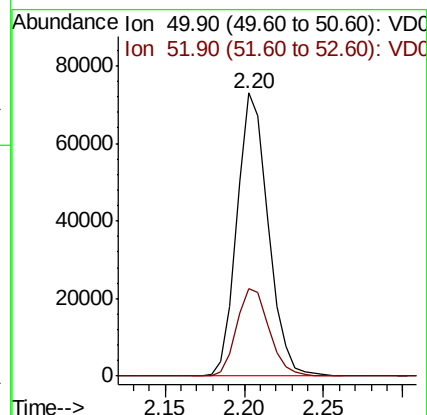
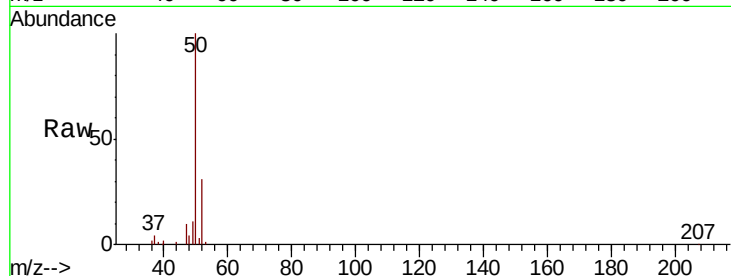
VSTDCCC050

Tot Ion: 50 Resp: 99639

Ion Ratio Lower Upper

50 100

52 30.9 27.9 41.9



#4

Vinyl Chloride

Concen: 49.012 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066209.D

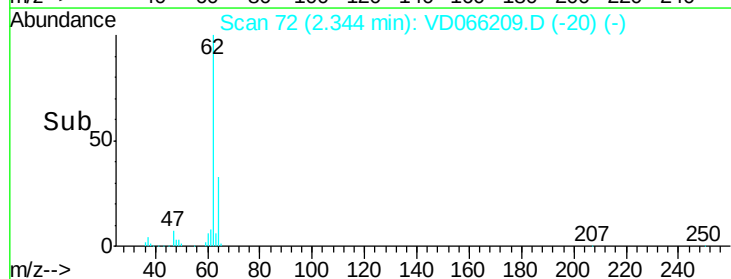
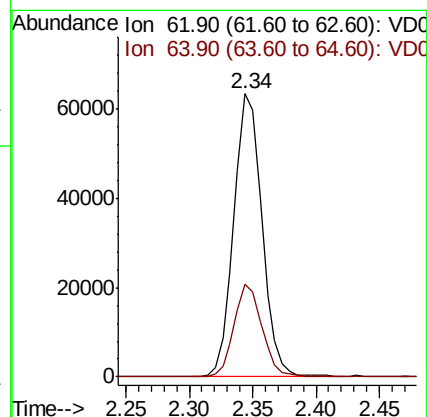
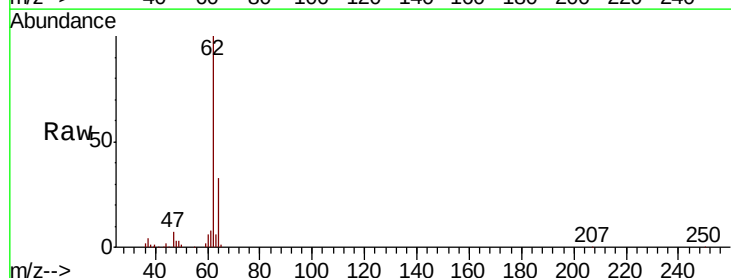
Acq: 13 Aug 2020 13:45

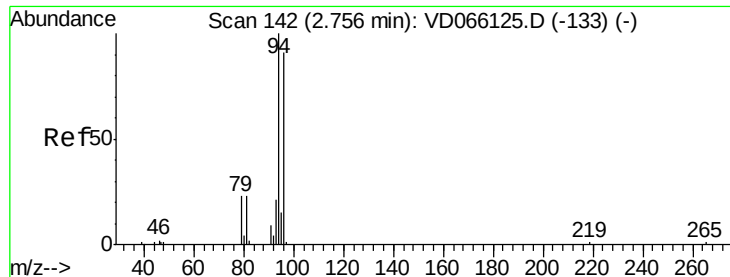
Tgt Ion: 62 Resp: 97737

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 52.235 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

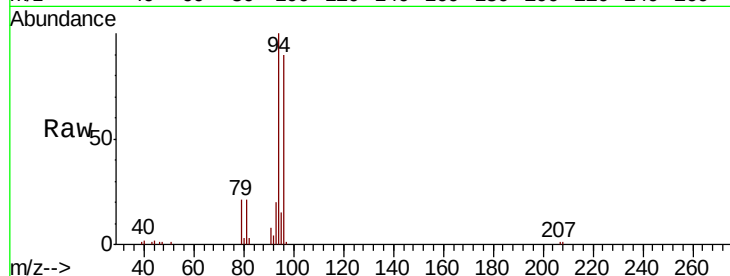
VSTDCCC050

Tot Ion: 94 Resp: 69109

Ion Ratio Lower Upper

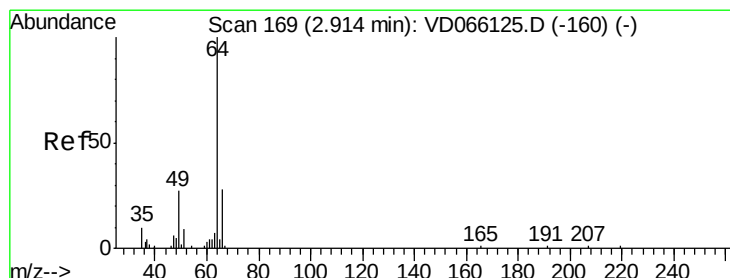
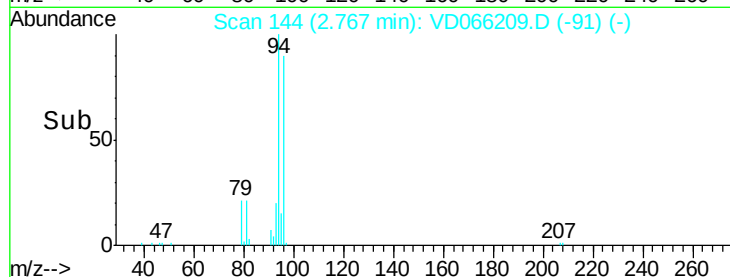
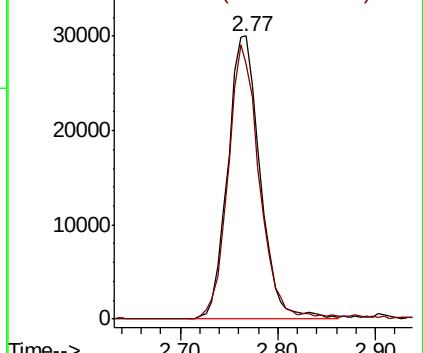
94 100

96 90.4 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: 48.594 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066209.D

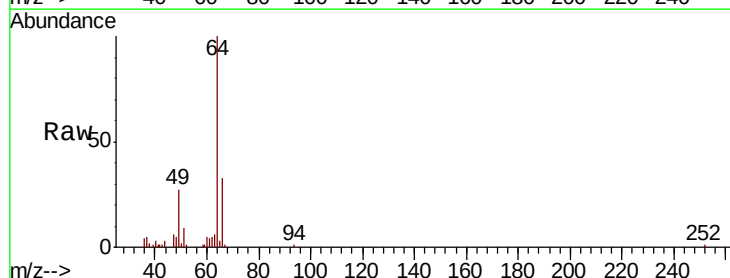
Acq: 13 Aug 2020 13:45

Tgt Ion: 64 Resp: 59484

Ion Ratio Lower Upper

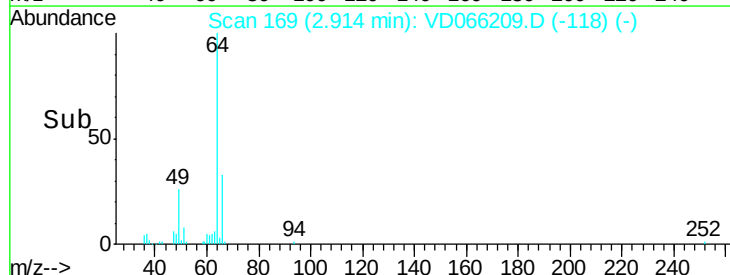
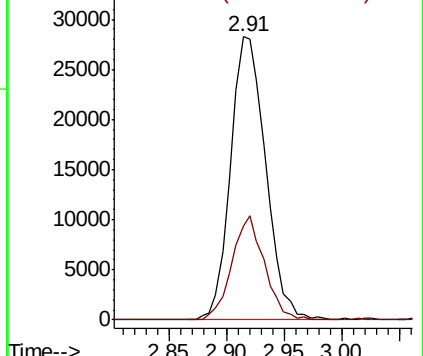
64 100

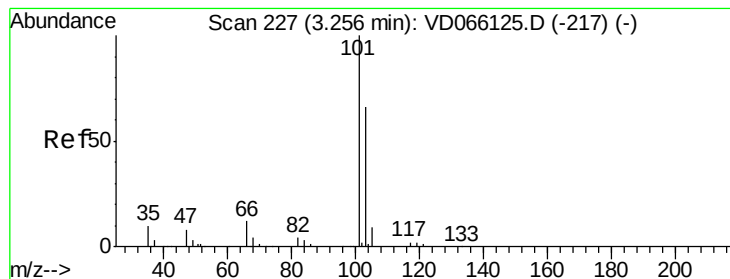
66 33.0 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



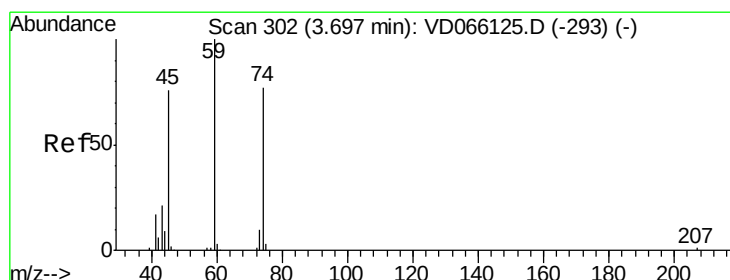
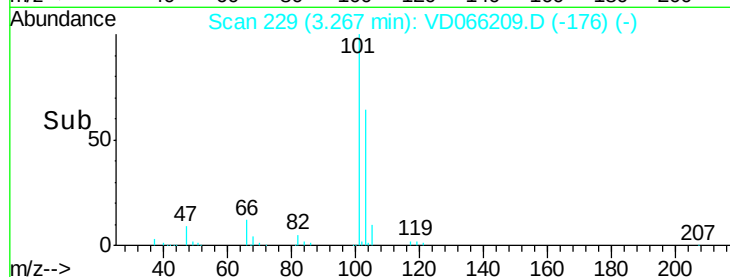
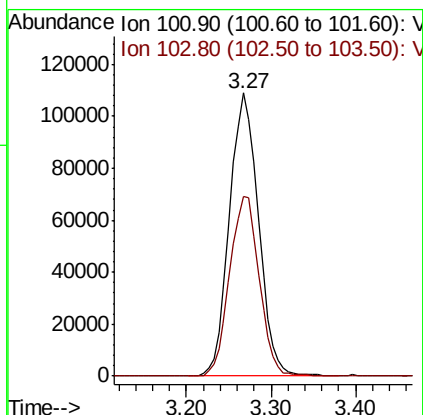
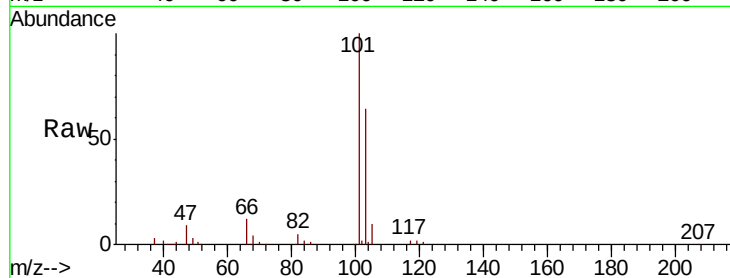


#7

Trichlorofluoromethane
 Concen: 49.728 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
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 ClientSampleId :
 VSTDCCC050

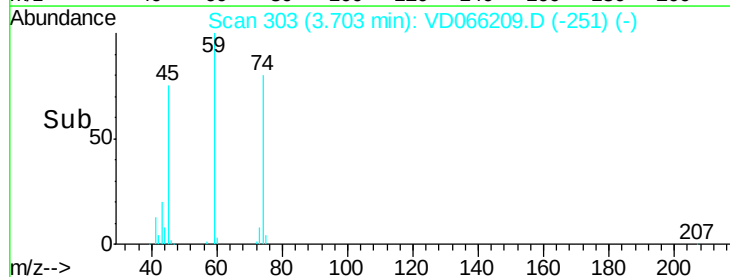
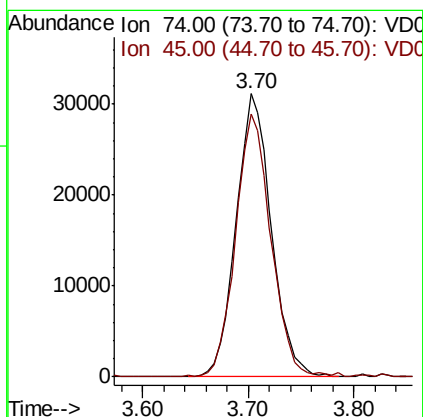
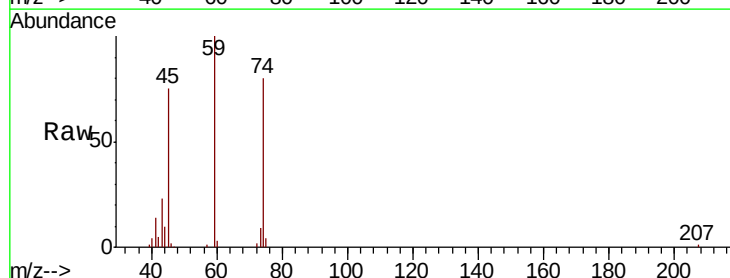
Tot Ion:101 Resp: 258533
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.0 79.6

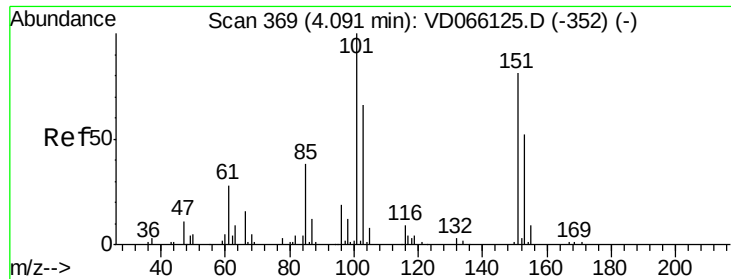


#8

Diethyl Ether
 Concen: 48.988 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion: 74 Resp: 71862
 Ion Ratio Lower Upper
 74 100
 45 93.4 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.708 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

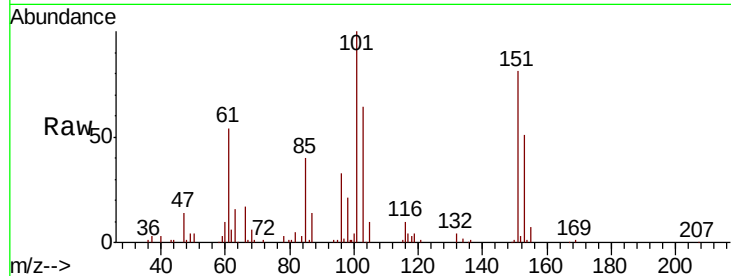
Tot Ion:101 Resp: 153370

Ion Ratio Lower Upper

101 100

85 43.9 33.5 50.3

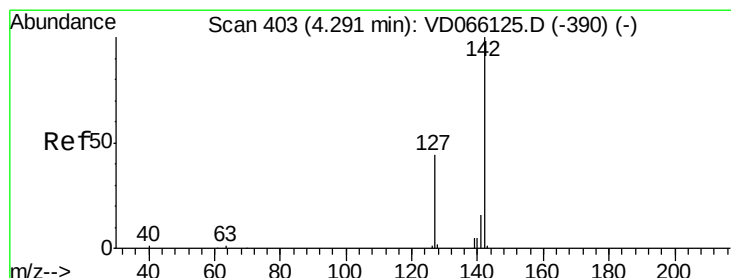
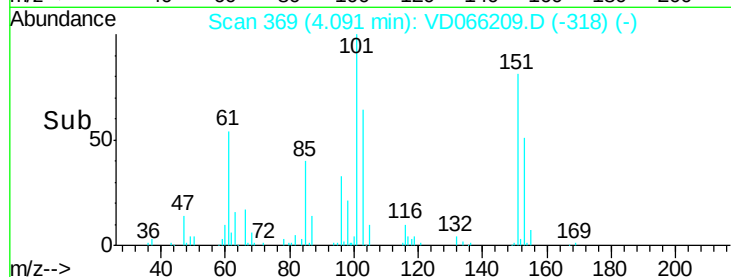
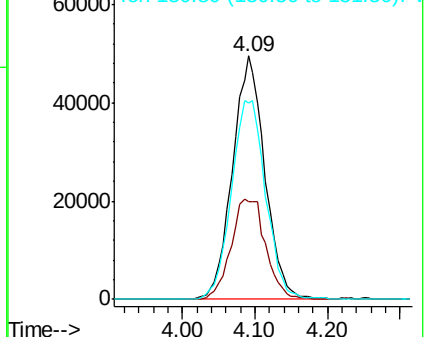
151 86.6 67.8 101.8



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: 57.298 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

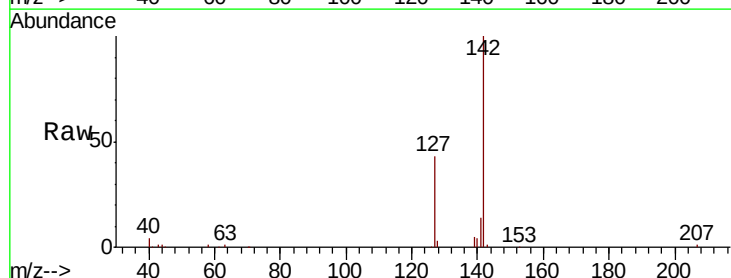
Tgt Ion:142 Resp: 164129

Ion Ratio Lower Upper

142 100

127 44.2 36.2 54.4

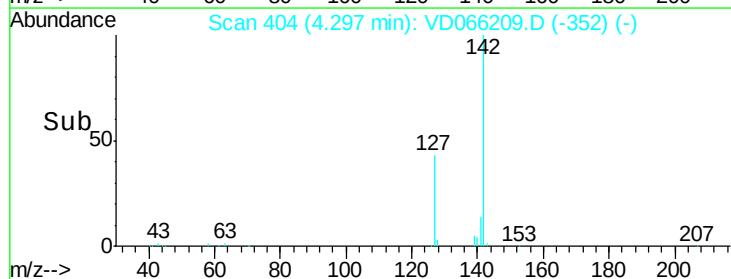
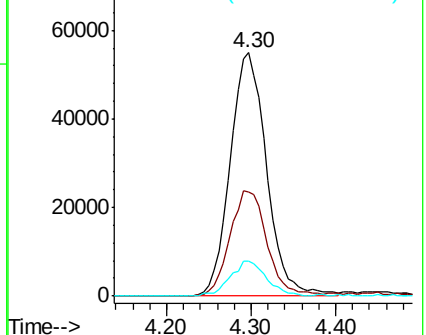
141 14.2 12.6 18.8

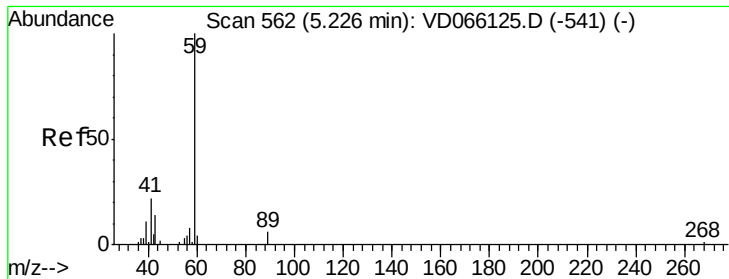


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



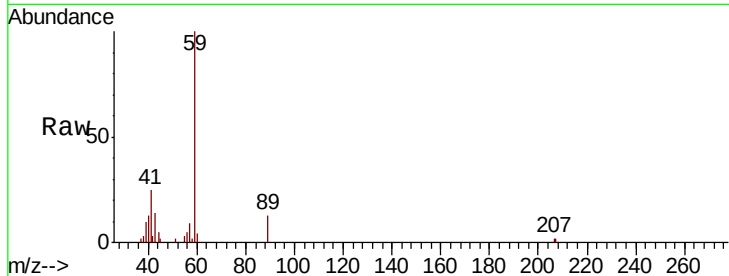


#11

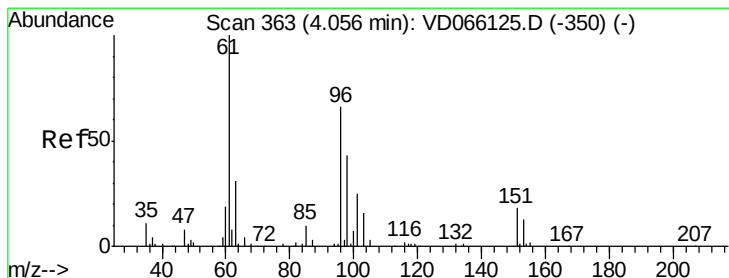
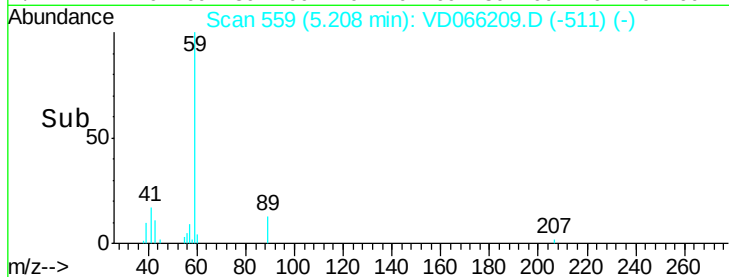
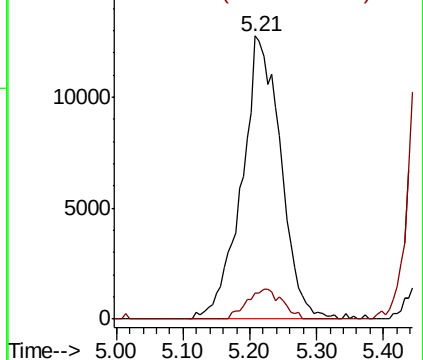
Tert butyl alcohol
 Concen: 231.616 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 51323
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.0 10.4



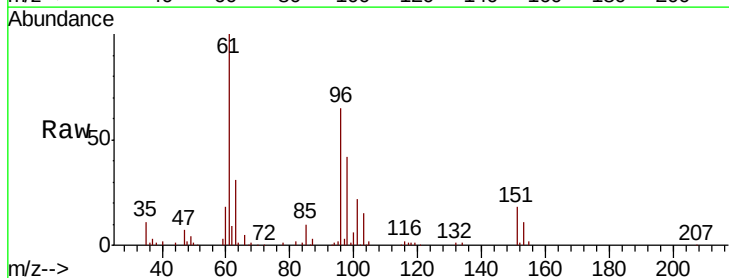
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



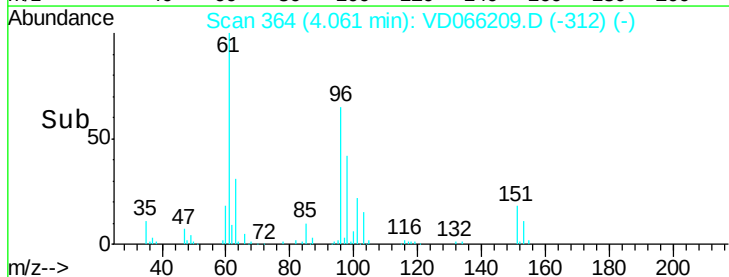
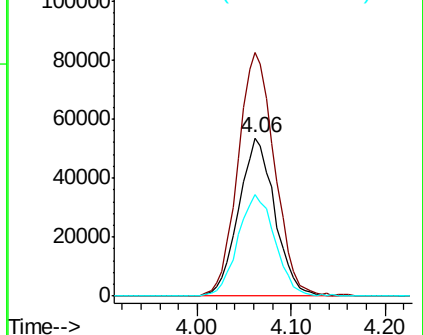
#12

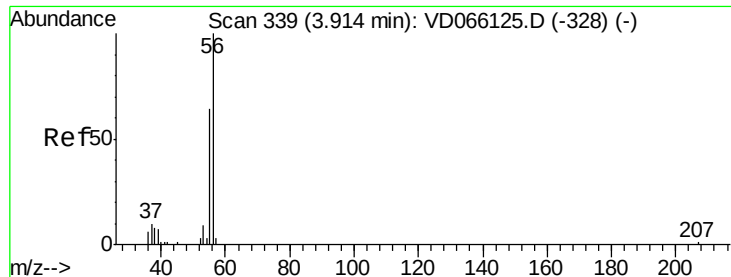
1,1-Dichloroethene
 Concen: 49.116 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion: 96 Resp: 142958
 Ion Ratio Lower Upper
 96 100
 61 154.2 121.6 182.4
 98 64.4 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





#13

Acrolein

Concen: 203.616 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

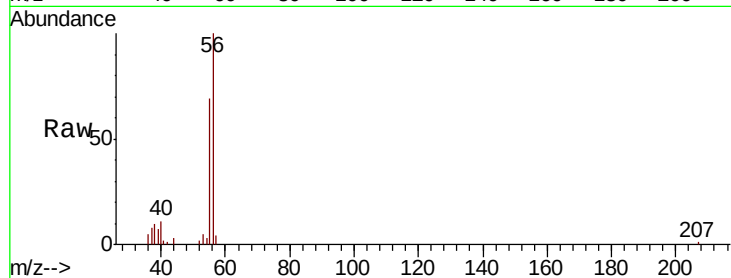
VSTDCCC050

Tot Ion: 56 Resp: 47522

Ion Ratio Lower Upper

56 100

55 68.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

20000

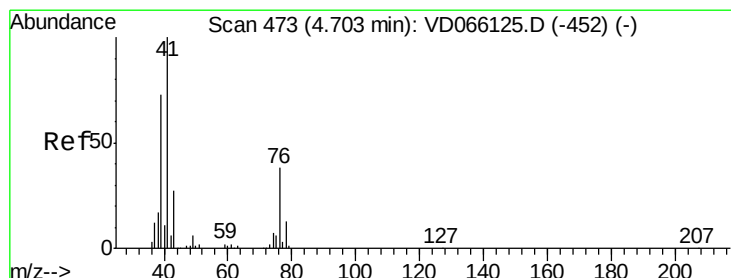
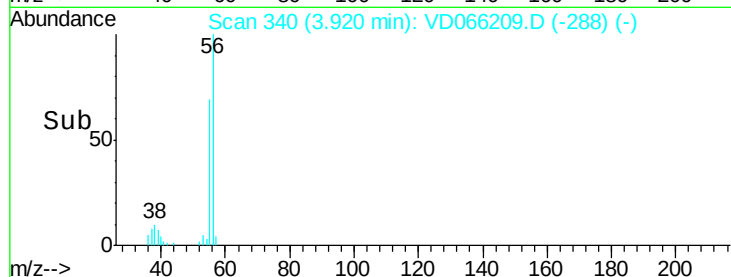
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 49.110 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

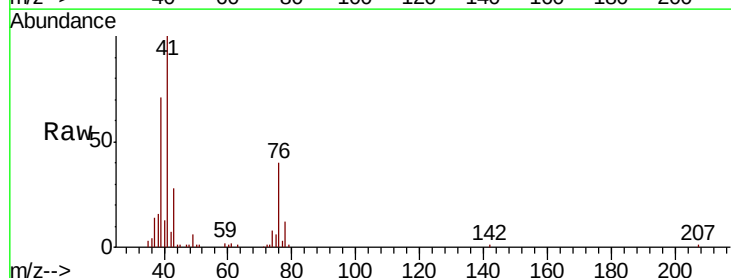
Tgt Ion: 41 Resp: 216553

Ion Ratio Lower Upper

41 100

39 74.1 57.4 86.0

76 38.7 30.1 45.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

80000

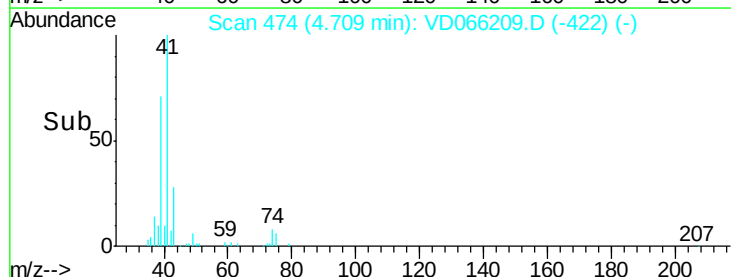
60000

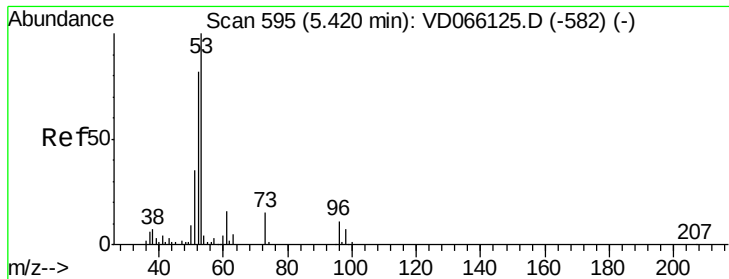
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 246.012 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

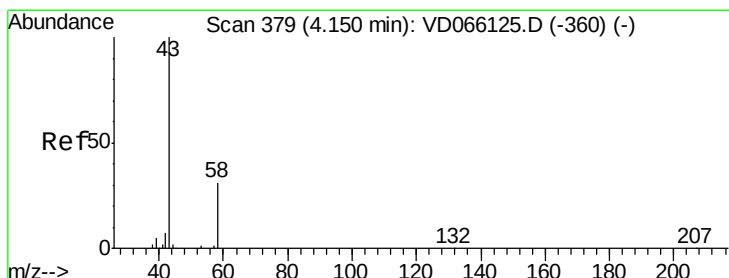
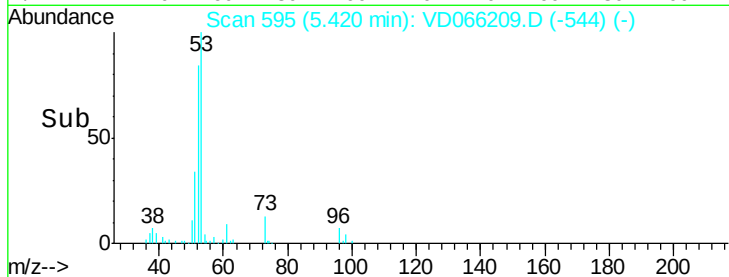
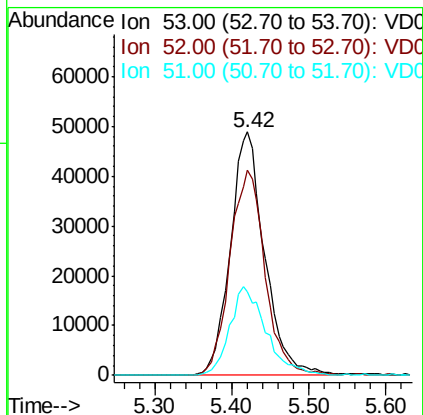
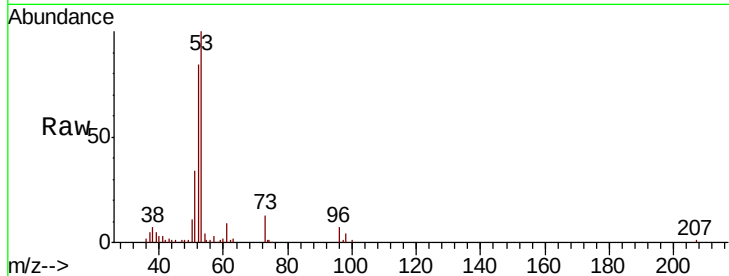
Tot Ion: 53 Resp: 152075

Ion Ratio Lower Upper

53 100

52 86.3 66.1 99.1

51 38.5 30.8 46.2



#16

Acetone

Concen: 292.853 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066209.D

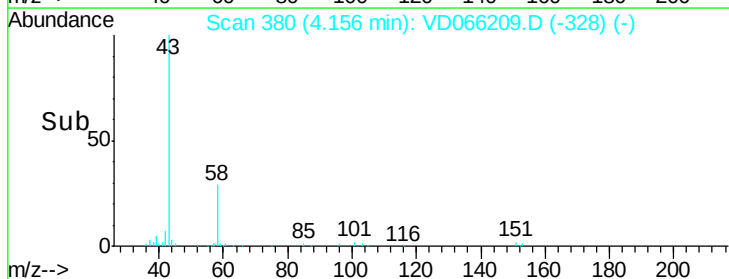
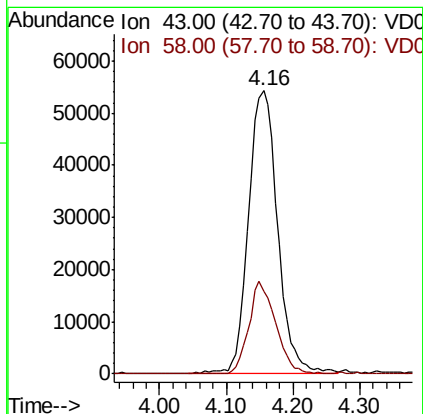
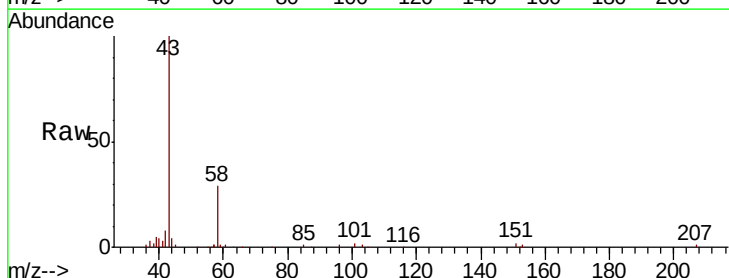
Acq: 13 Aug 2020 13:45

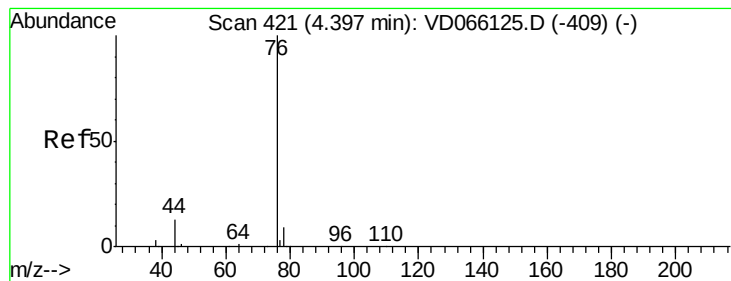
Tgt Ion: 43 Resp: 162928

Ion Ratio Lower Upper

43 100

58 29.0 24.7 37.1





#17

Carbon Disulfide

Concen: 44.667 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

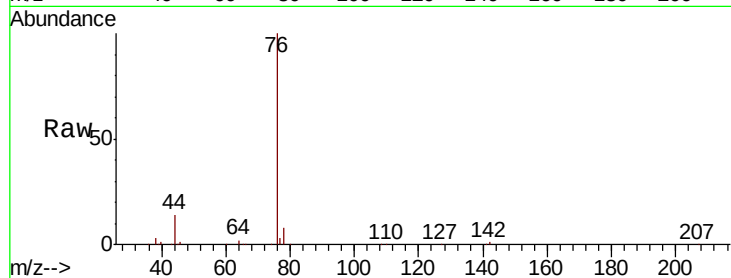
VSTDCCC050

Tot Ion: 76 Resp: 413372

Ion Ratio Lower Upper

76 100

78 8.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

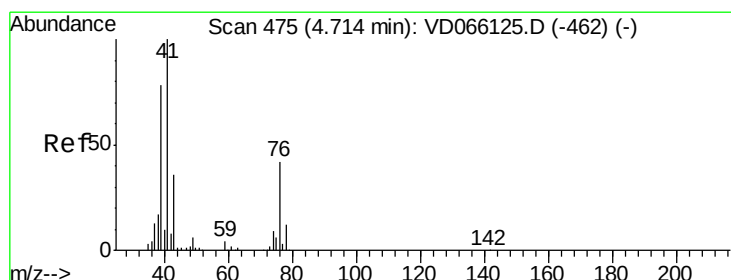
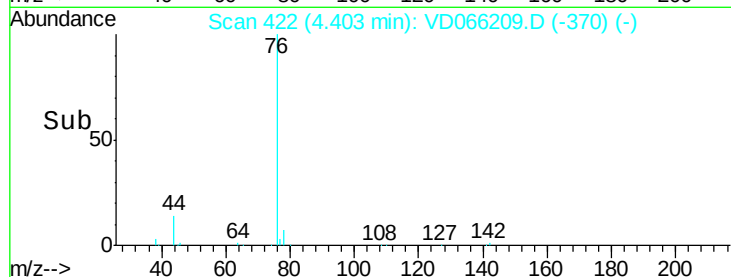
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.319 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066209.D

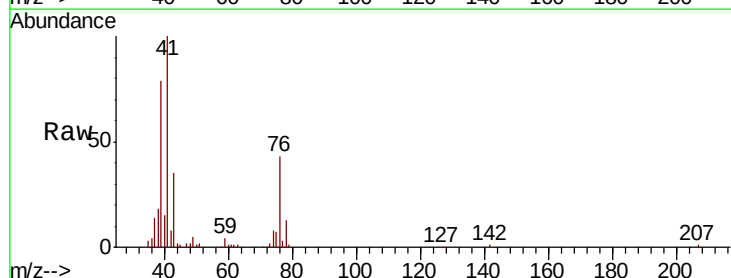
Acq: 13 Aug 2020 13:45

Tgt Ion: 43 Resp: 66868

Ion Ratio Lower Upper

43 100

74 24.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

25000

20000

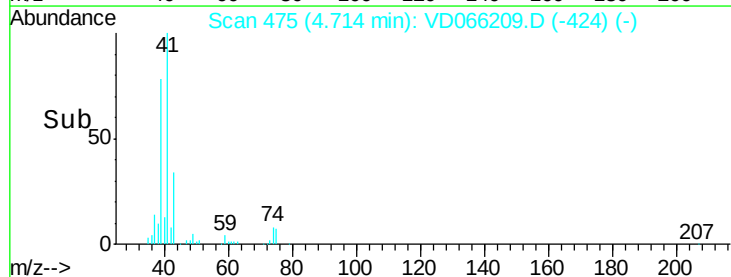
15000

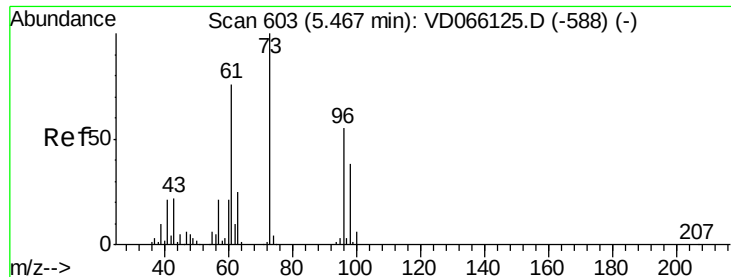
10000

5000

0

Time-->

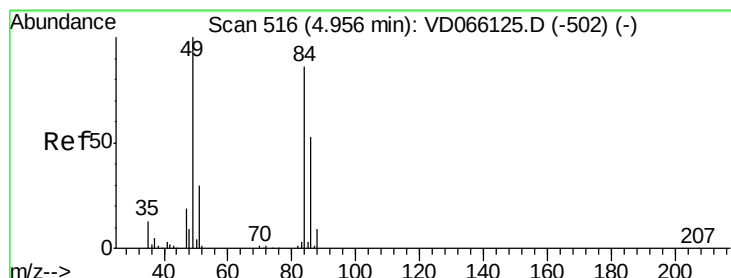
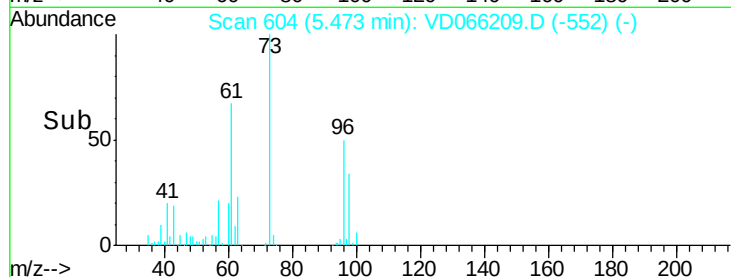
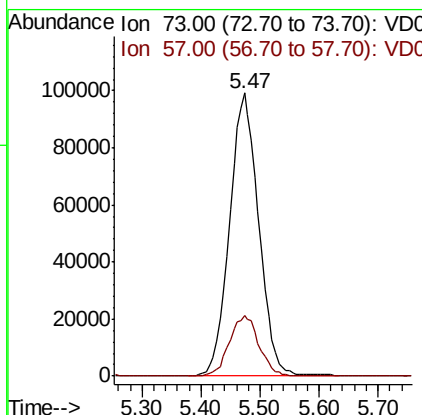
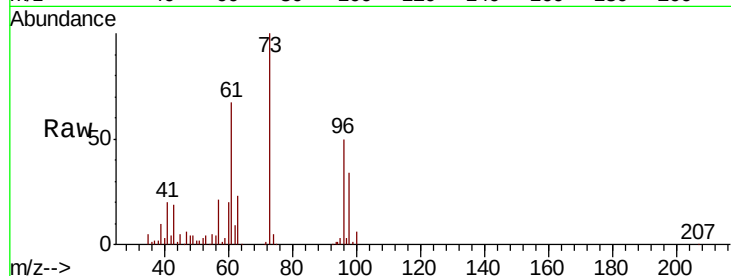




#19
Methyl tert-butyl Ether
Concen: 51.209 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

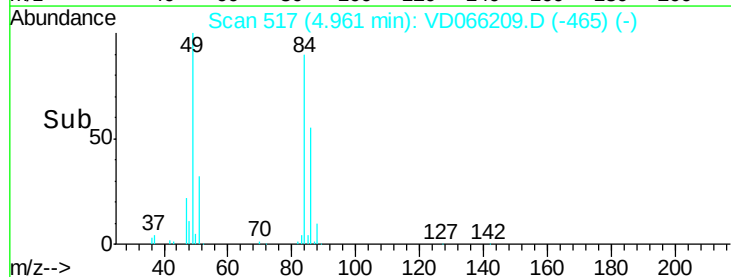
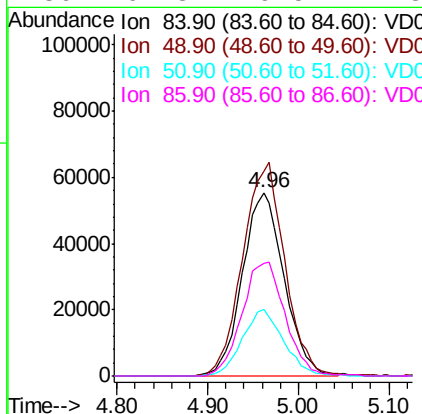
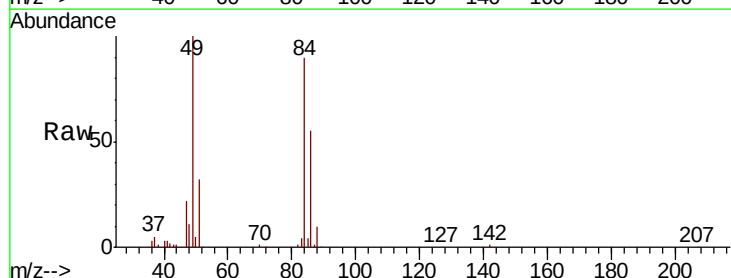
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

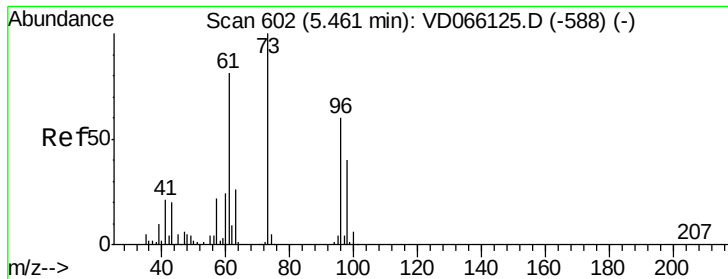
Tot Ion: 73 Resp: 341633
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7



#20
Methylene Chloride
Concen: 55.848 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 84 Resp: 176694
Ion Ratio Lower Upper
84 100
49 111.7 93.5 140.3
51 36.0 28.2 42.4
86 61.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 48.275 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

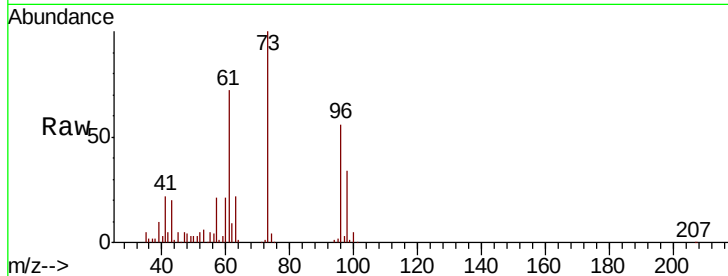
Tot Ion: 96 Resp: 161414

Ion Ratio Lower Upper

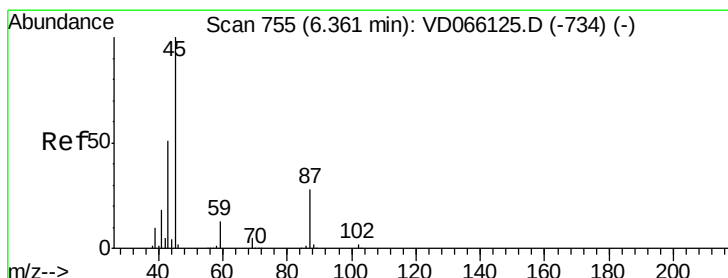
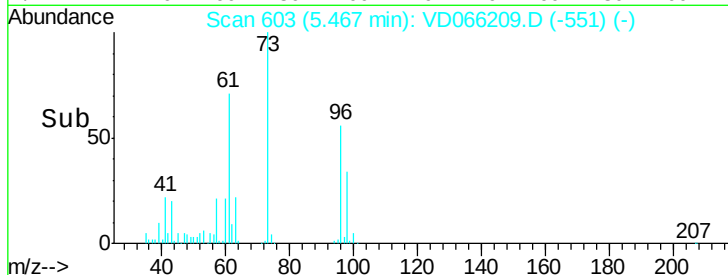
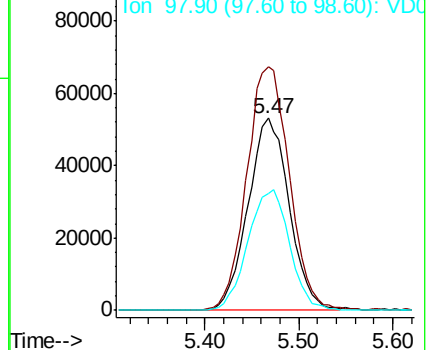
96 100

61 126.9 106.9 160.3

98 61.1 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: 50.228 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion: 45 Resp: 437978

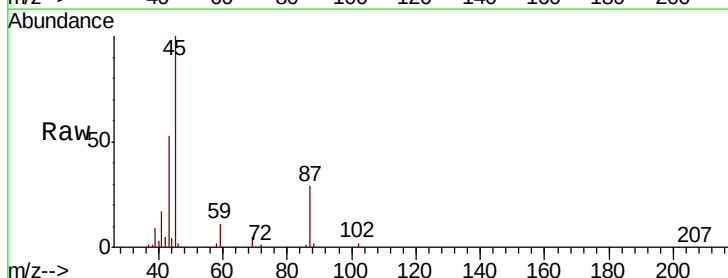
Ion Ratio Lower Upper

45 100

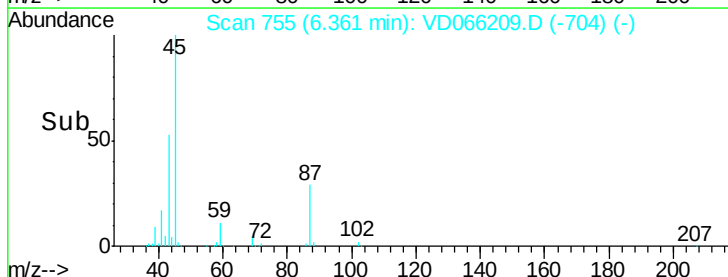
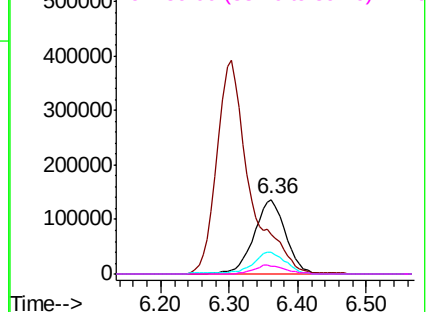
43 51.7 41.2 61.8

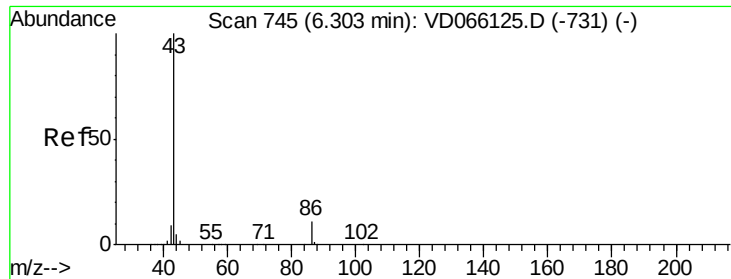
87 28.9 22.8 34.2

59 10.8 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: 253.529 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

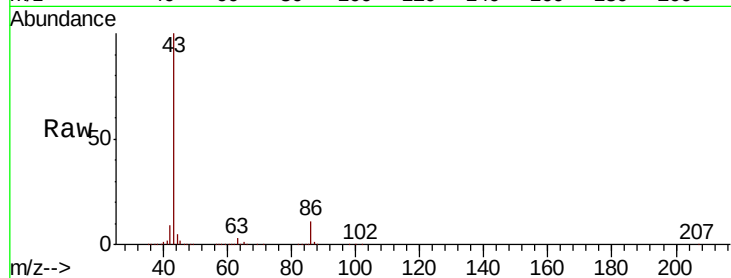
VSTDCCC050

Tot Ion: 43 Resp: 1295142

Ion Ratio Lower Upper

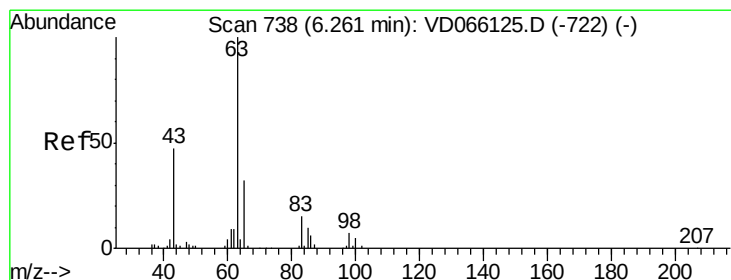
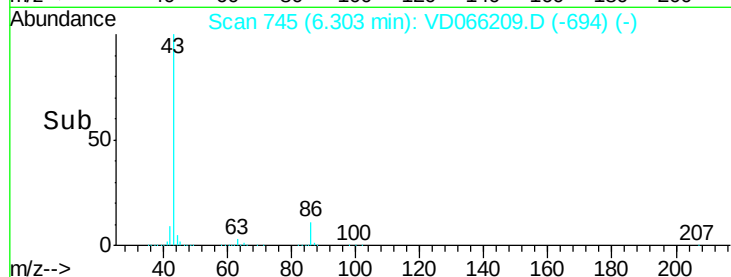
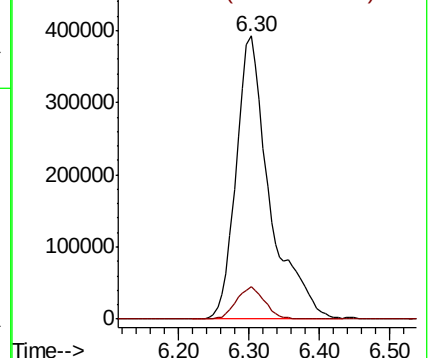
43 100

86 11.5 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: 49.711 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

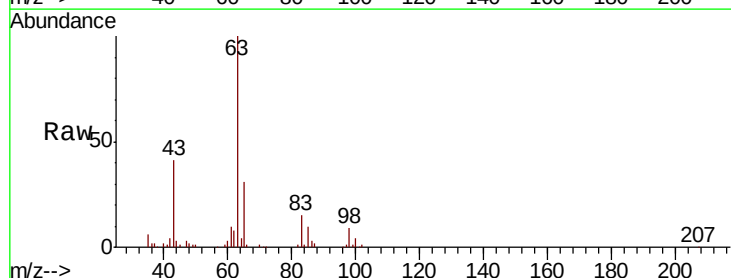
Tgt Ion: 63 Resp: 268261

Ion Ratio Lower Upper

63 100

98 8.6 3.5 10.5

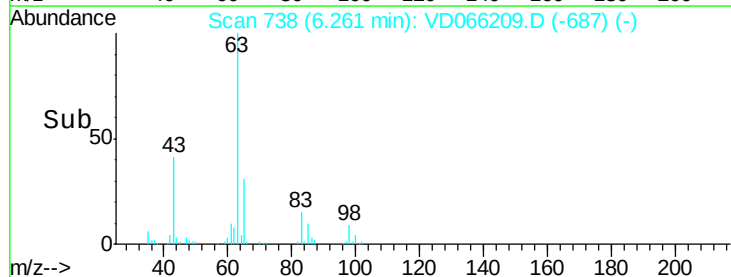
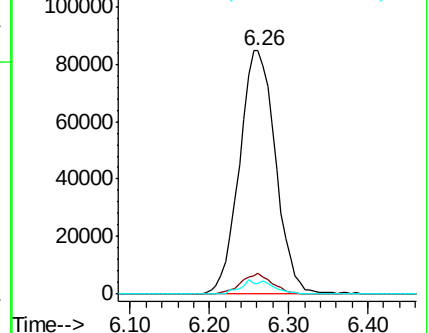
100 4.3 2.4 7.2

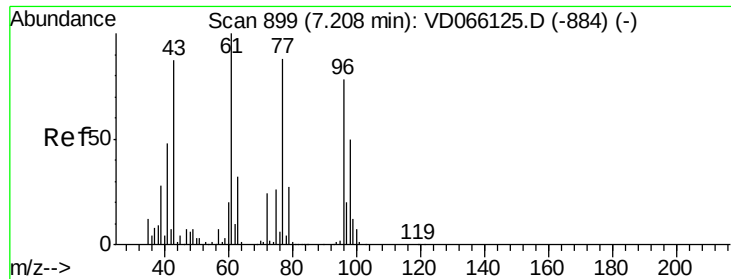


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 252.070 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

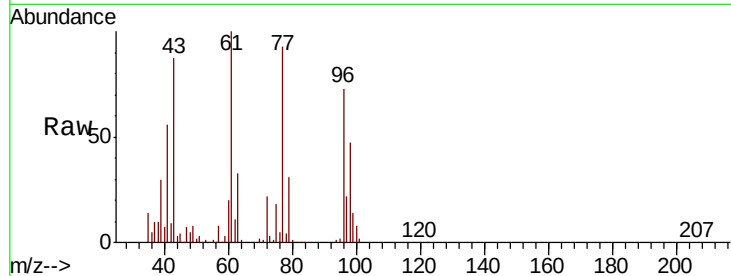
VSTDCCC050

Tot Ion: 43 Resp: 206265

Ion Ratio Lower Upper

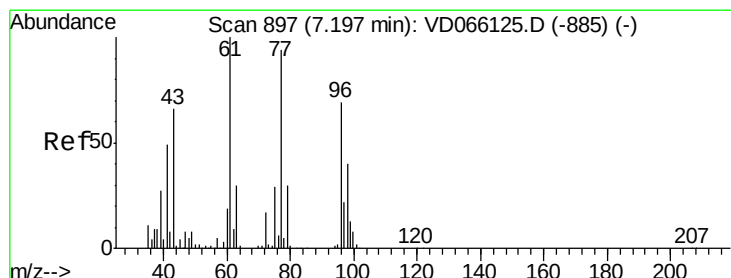
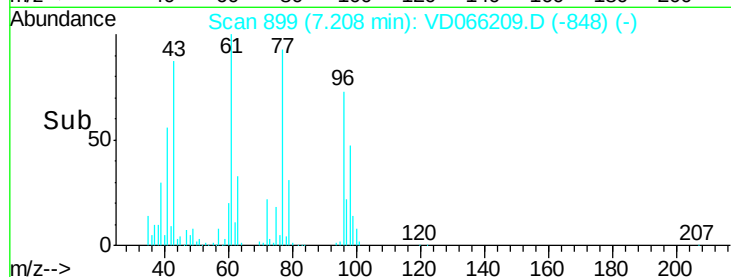
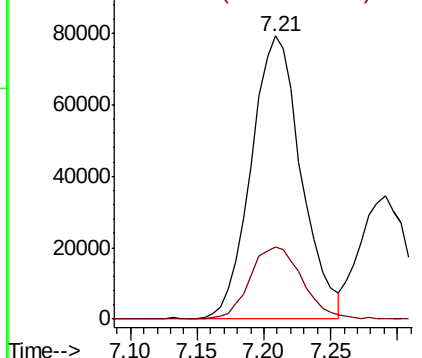
43 100

72 25.6 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: 53.285 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066209.D

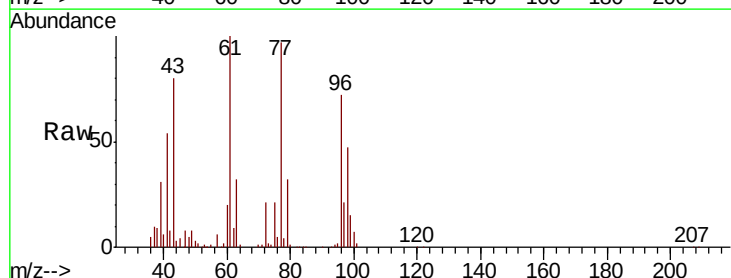
Acq: 13 Aug 2020 13:45

Tgt Ion: 77 Resp: 257720

Ion Ratio Lower Upper

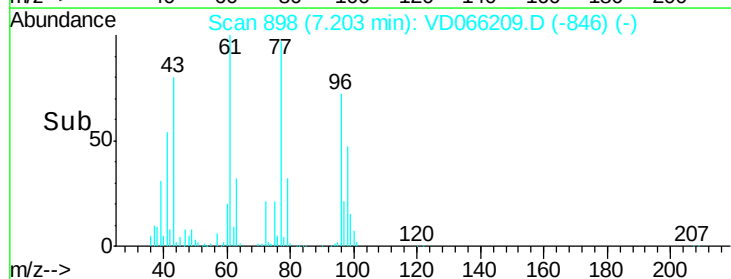
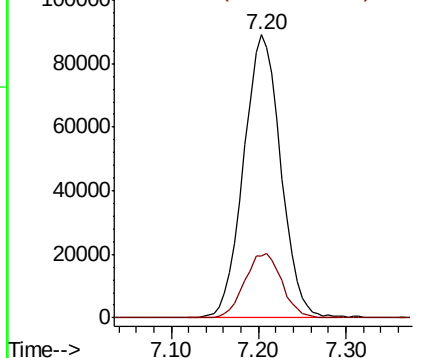
77 100

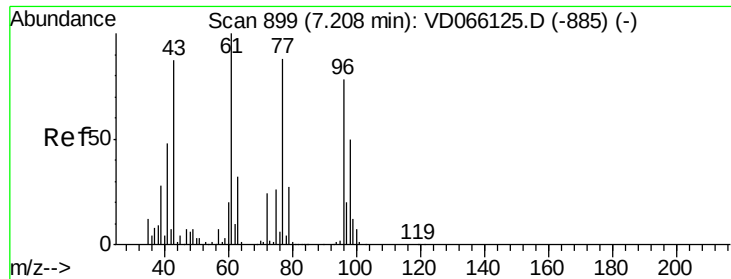
97 22.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



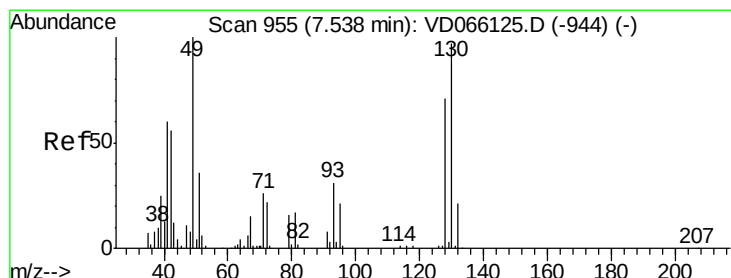
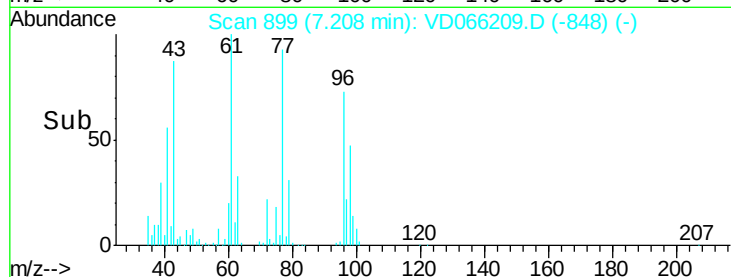
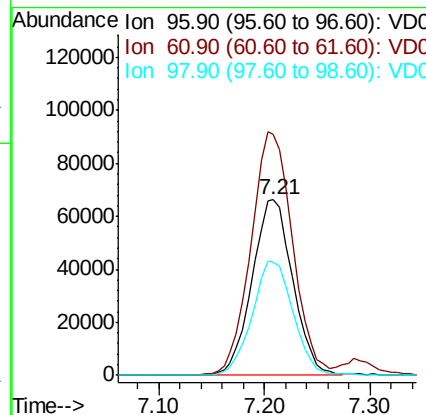
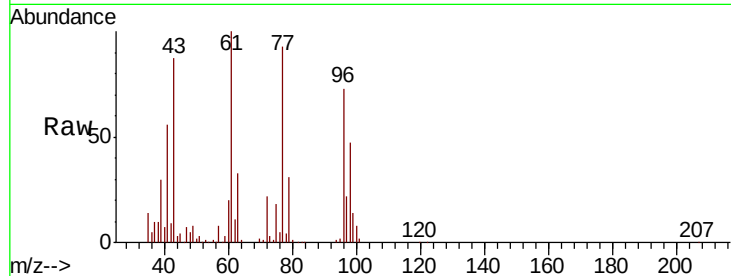


#27

cis-1,2-Dichloroethene
Concen: 50.485 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

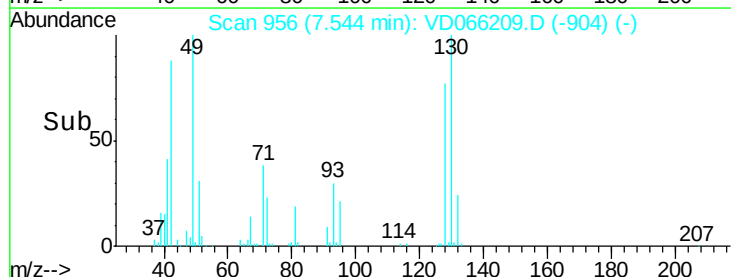
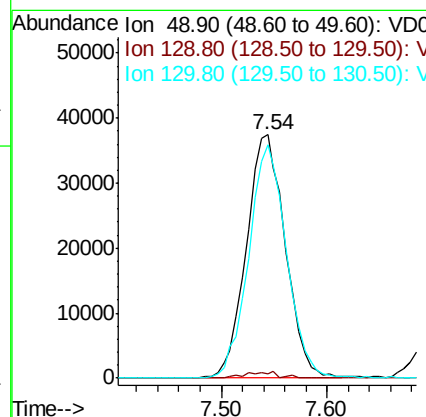
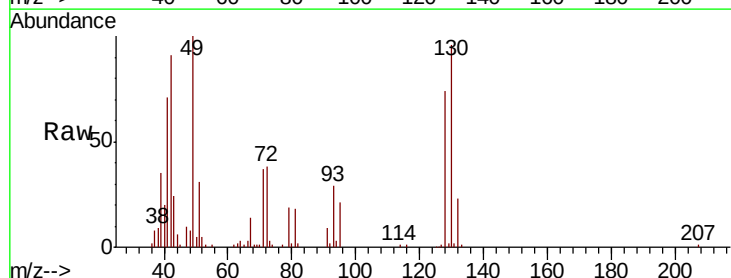
Tot Ion: 96 Resp: 177053
Ion Ratio Lower Upper
96 100
61 141.9 0.0 281.6
98 66.0 0.0 130.8

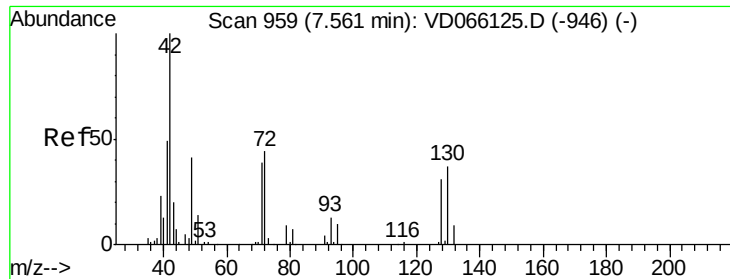


#28

Bromochloromethane
Concen: 50.540 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 49 Resp: 95791
Ion Ratio Lower Upper
49 100
129 2.3 0.0 6.0
130 93.3 73.8 110.6

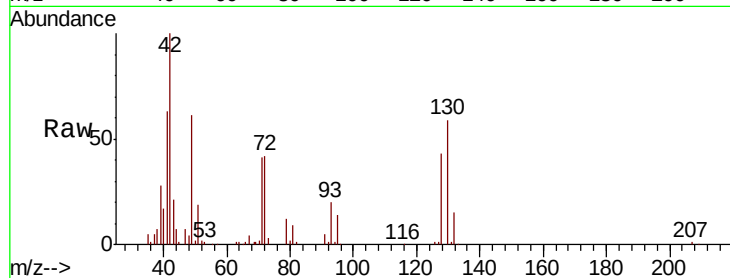




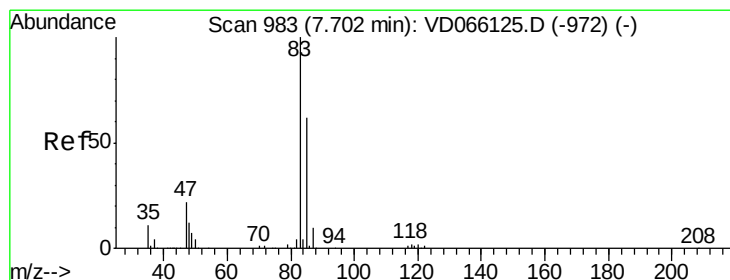
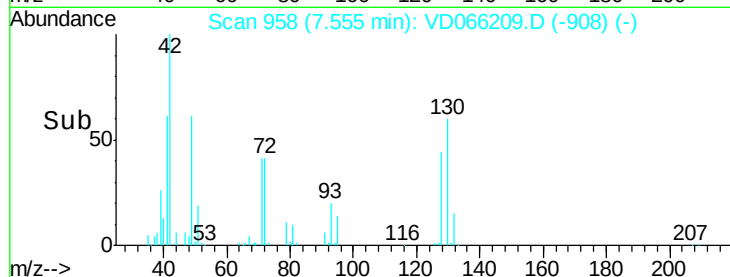
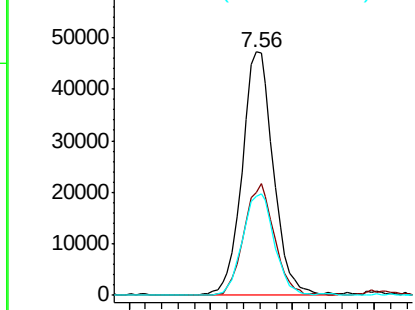
#29
Tetrahydrofuran
Concen: 248.357 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 125912
Ion Ratio Lower Upper
42 100
72 44.5 34.8 52.2
71 42.1 33.5 50.3

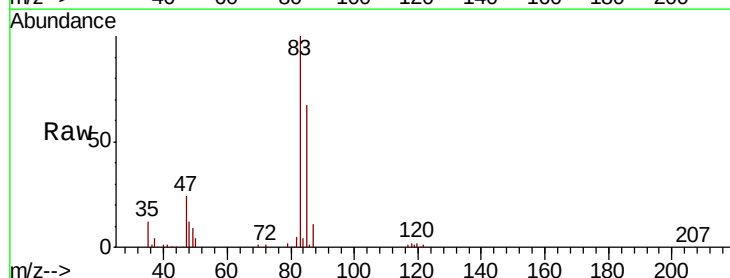


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

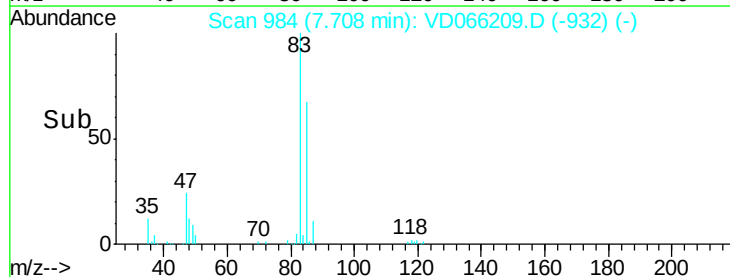
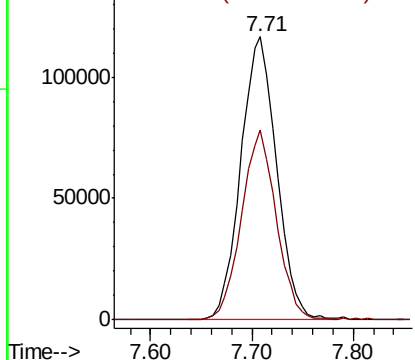


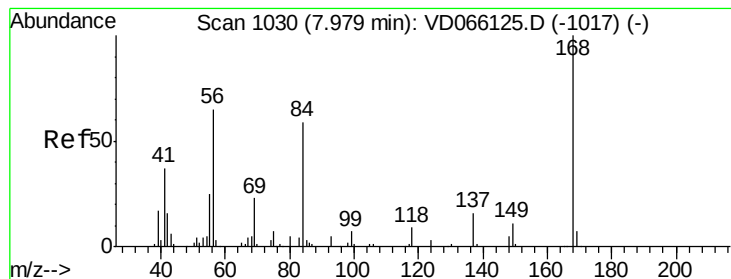
#30
Chloroform
Concen: 50.355 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 83 Resp: 285334
Ion Ratio Lower Upper
83 100
85 67.1 49.5 74.3



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





#31

Cyclohexane

Concen: 46.476 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

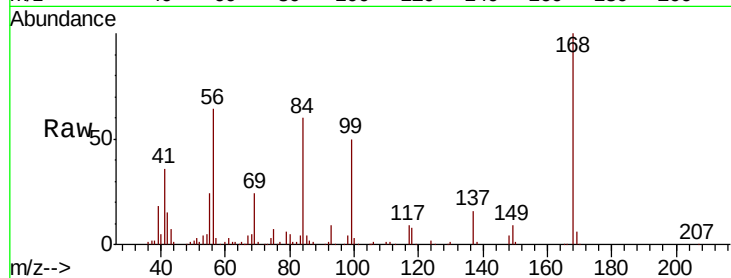
Tot Ion: 56 Resp: 238742

Ion Ratio Lower Upper

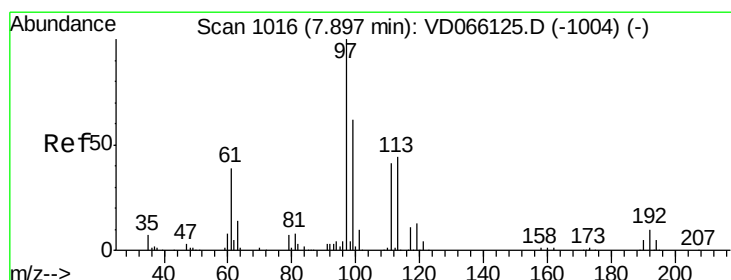
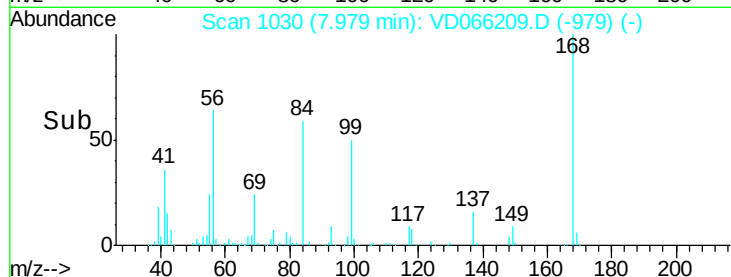
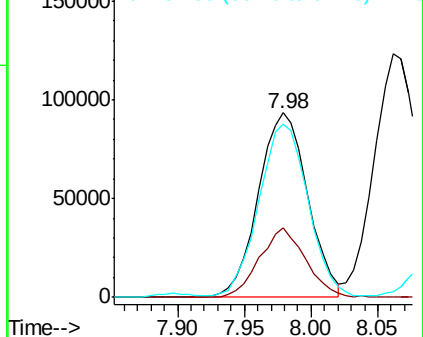
56 100

69 37.6 28.8 43.2

84 92.0 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: 52.204 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

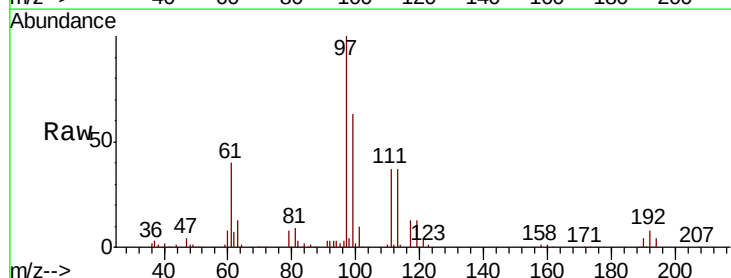
Tgt Ion: 97 Resp: 277353

Ion Ratio Lower Upper

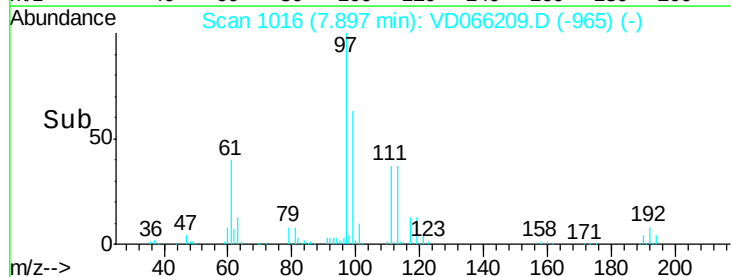
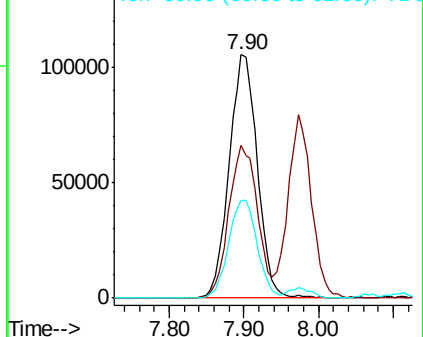
97 100

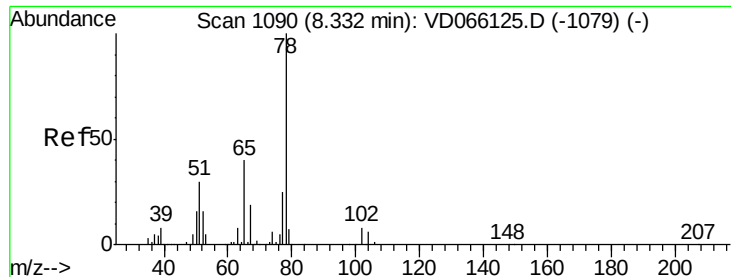
99 63.6 51.1 76.7

61 40.8 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

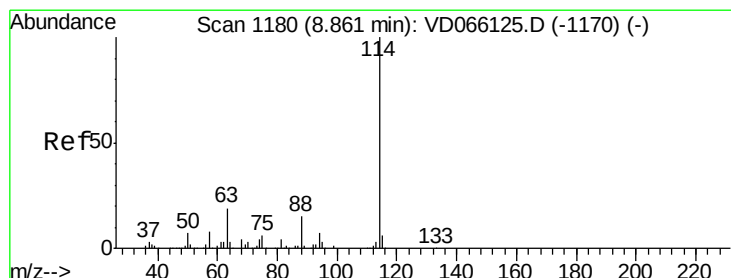
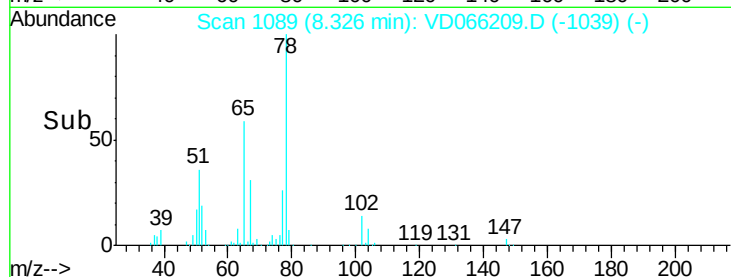
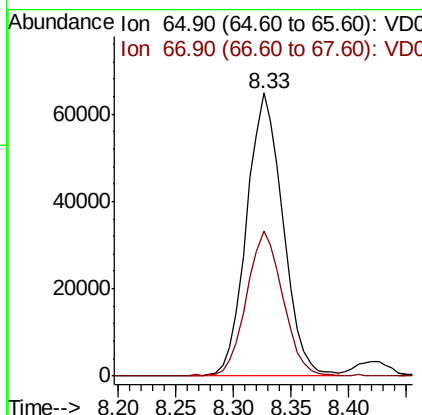
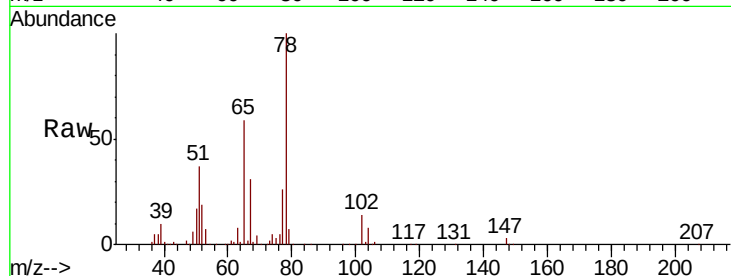




#33
 1,2-Dichloroethane-d4
 Concen: 48.464 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

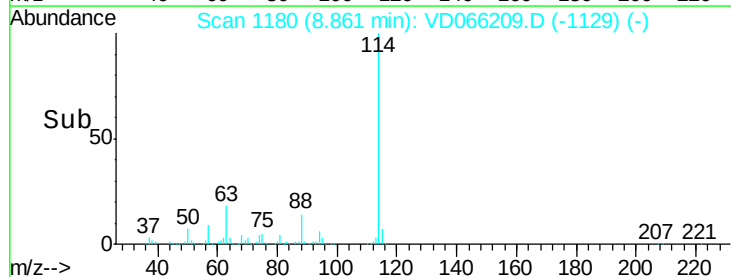
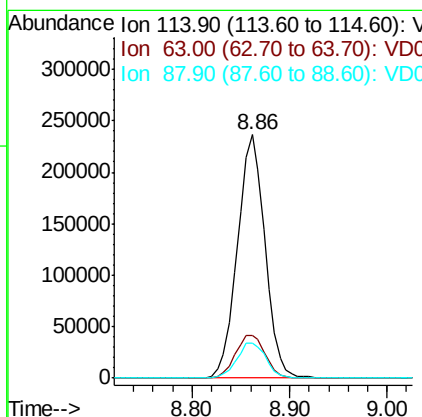
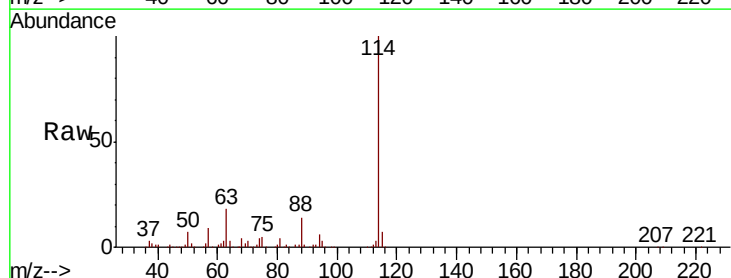
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

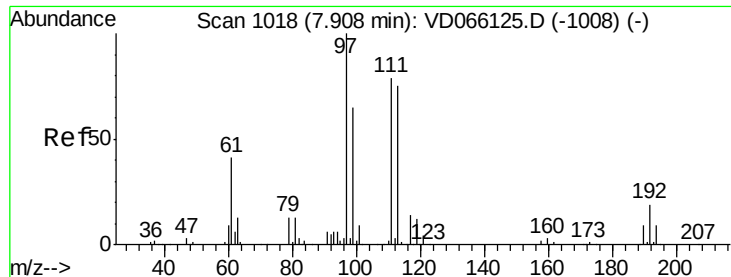
Tot Ion: 65 Resp: 142102
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion: 114 Resp: 466268
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 38.6
 88 14.5 0.0 30.0

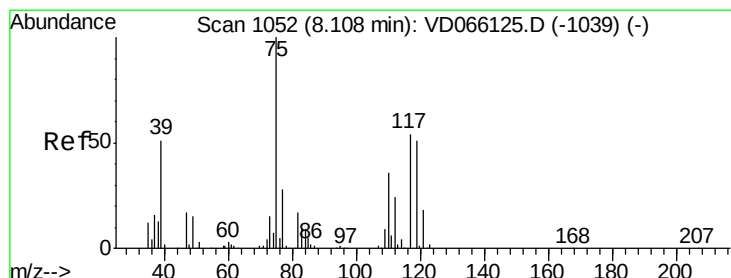
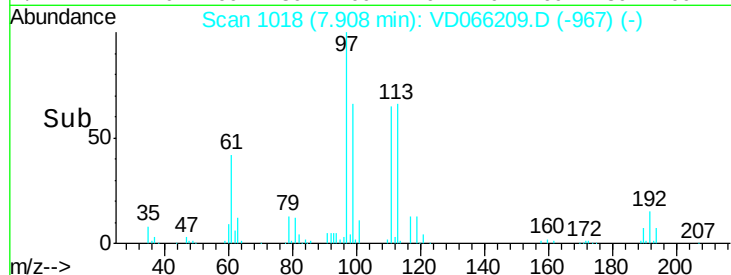
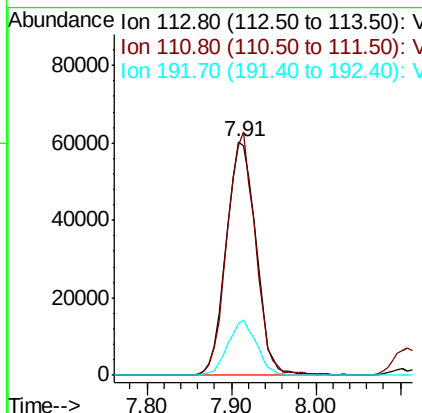
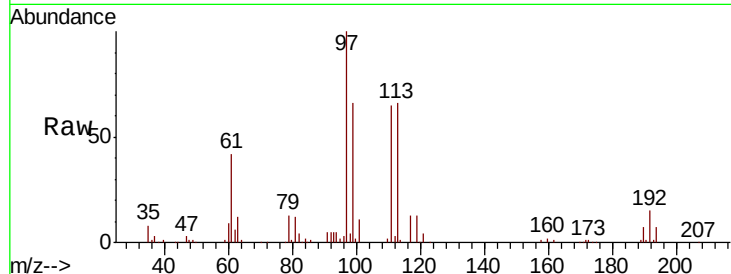




#35
 Dibromofluoromethane
 Concen: 49.801 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

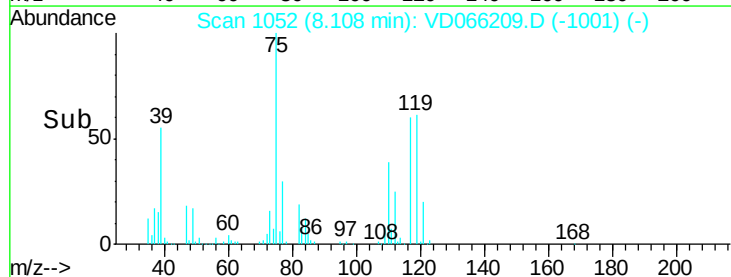
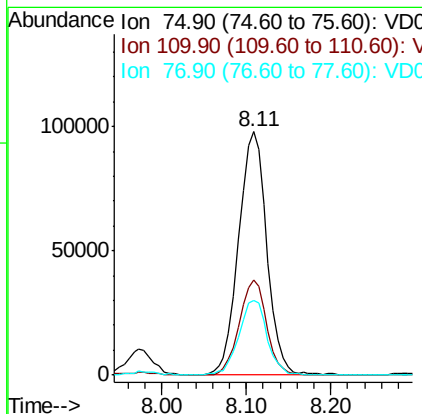
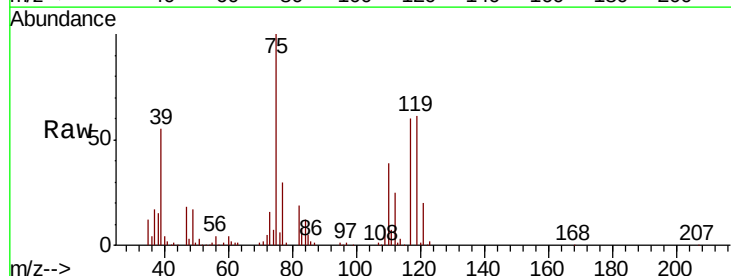
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

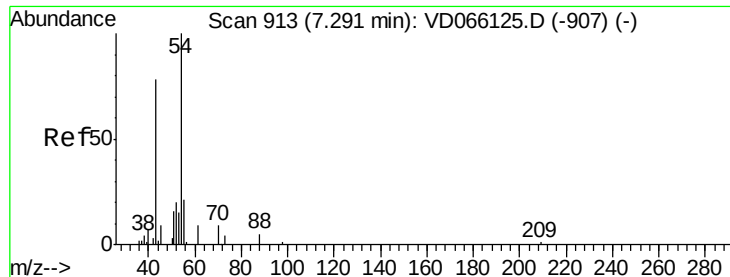
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	80.7	121.1
192	22.6	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 51.752 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.8	56.3
77	31.1	24.2	36.2

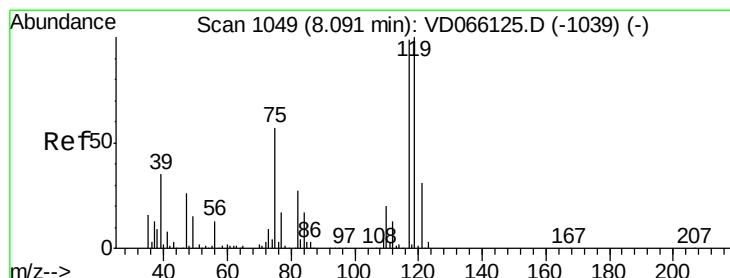
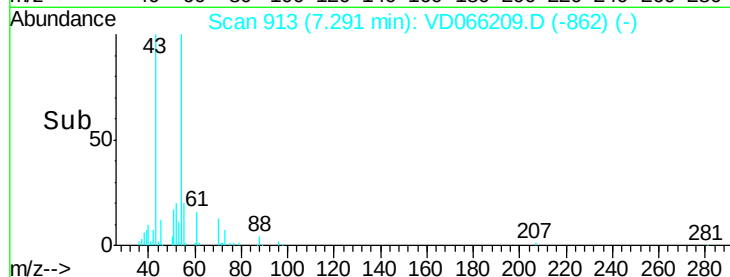
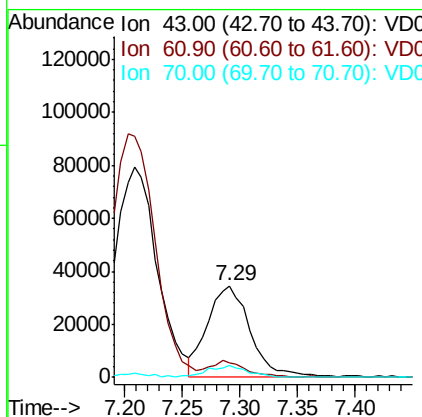
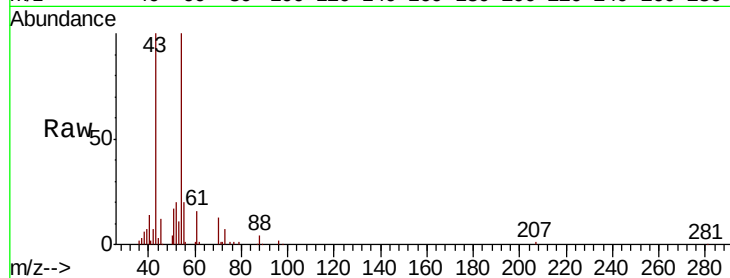




#37
Ethyl Acetate
Concen: 50.384 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

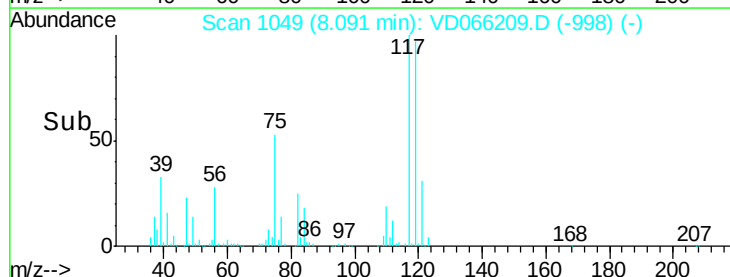
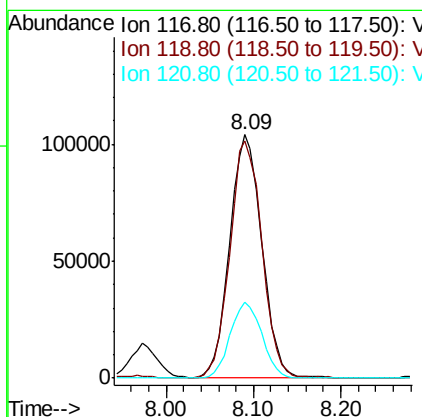
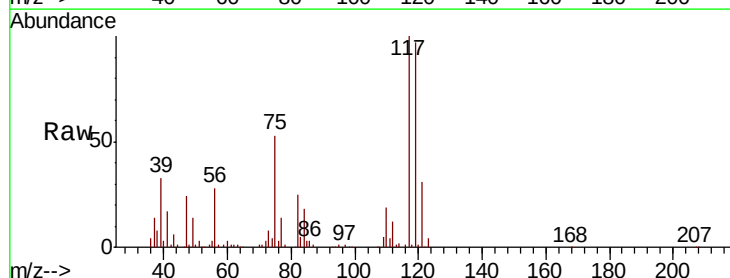
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

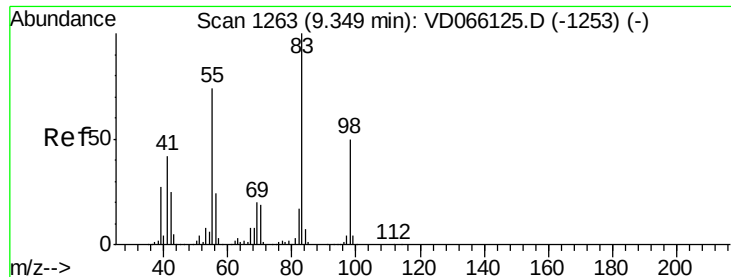
Tot Ion: 43 Resp: 87467
Ion Ratio Lower Upper
43 100
61 13.9 12.0 18.0
70 12.4 9.7 14.5



#38
Carbon Tetrachloride
Concen: 53.163 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 117 Resp: 259756
Ion Ratio Lower Upper
117 100
119 97.4 81.0 121.4
121 31.4 24.8 37.2

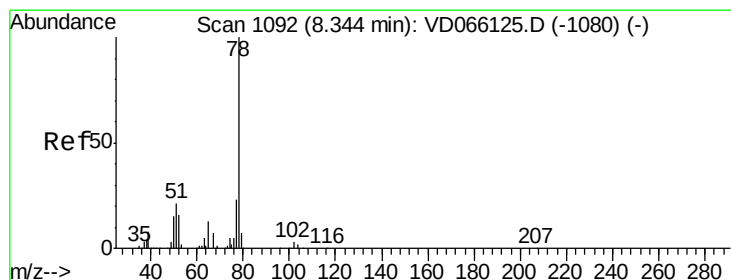
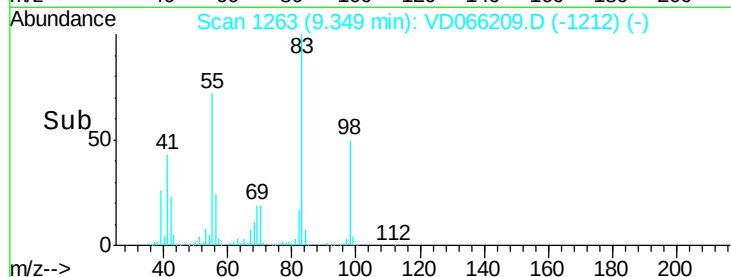
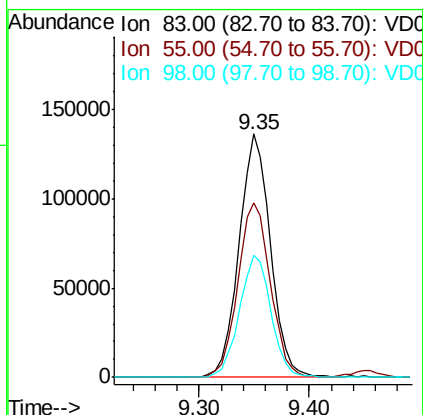
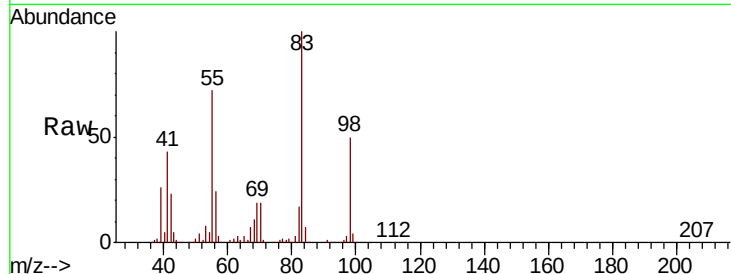




#39
Methylvlcyclohexane
Concen: 51.615 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

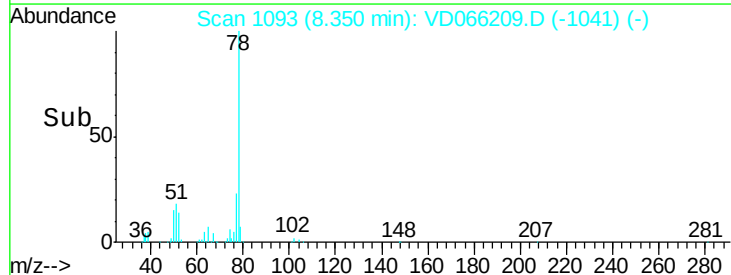
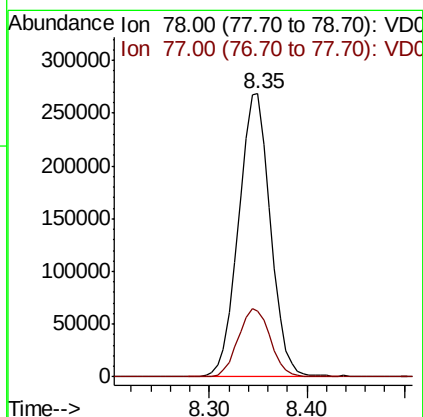
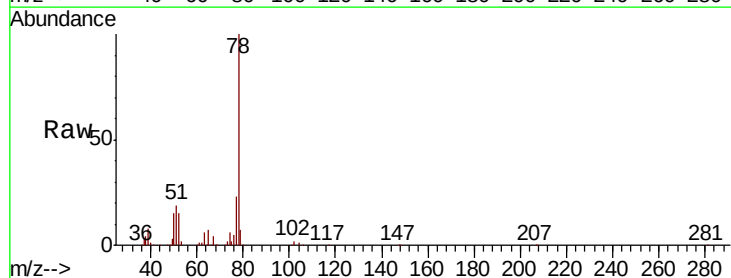
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

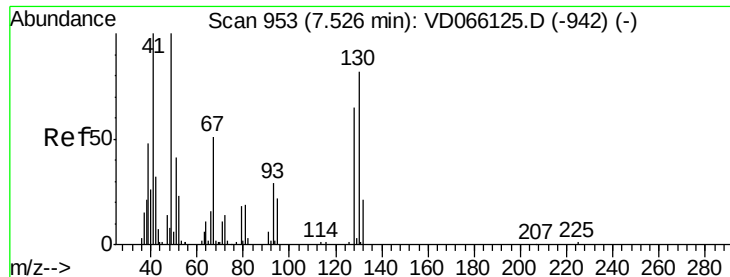
Tot Ion: 83 Resp: 273383
Ion Ratio Lower Upper
83 100
55 71.9 59.2 88.8
98 49.9 39.8 59.6



#40
Benzene
Concen: 50.436 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 78 Resp: 613027
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8

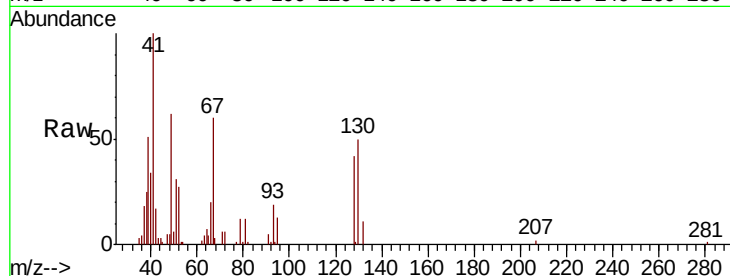




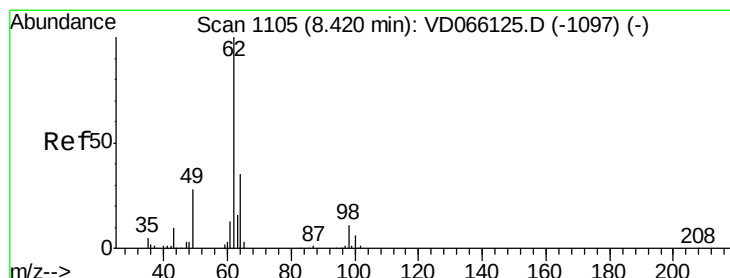
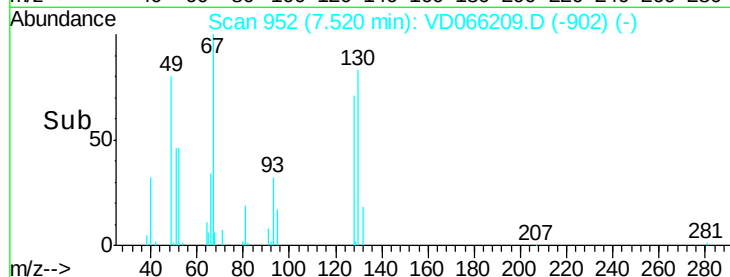
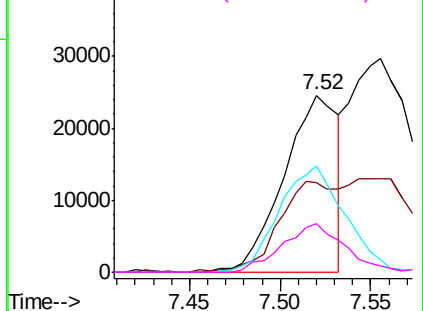
#41
Methacrylonitrile
Concen: 50.349 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	51392
Ion	Ratio	Lower	Upper
41	100		
39	55.2	47.5	71.3
67	73.2	59.1	88.7
52	31.9	25.4	38.0

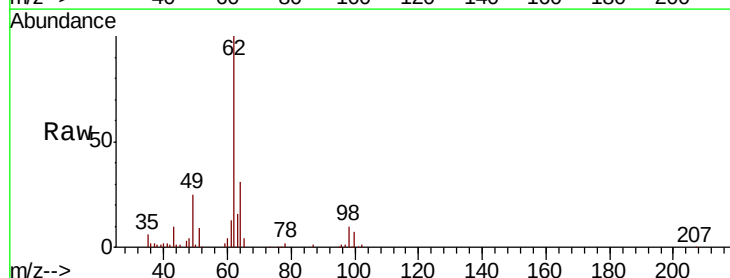


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

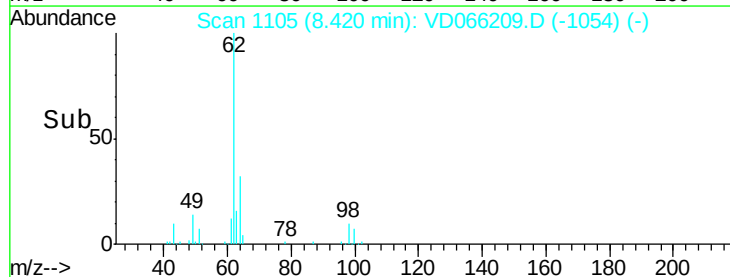
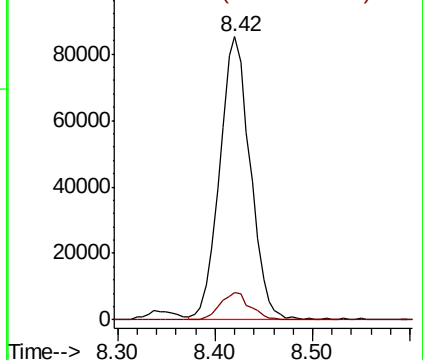


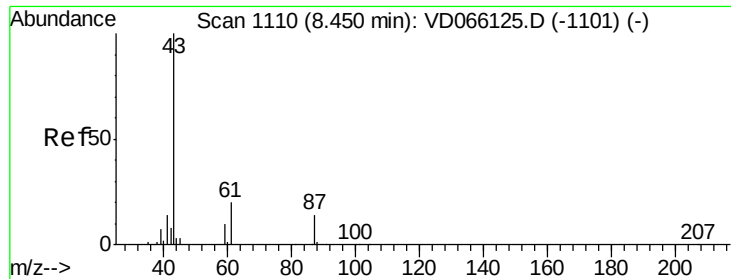
#42
1,2-Dichloroethane
Concen: 51.894 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion:	62	Resp:	185296
Ion	Ratio	Lower	Upper
62	100		
98	9.4	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: 51.586 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

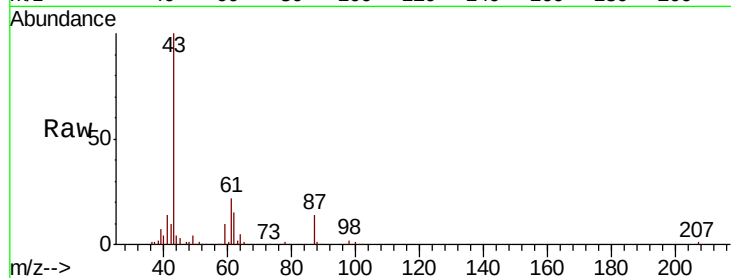
Tot Ion: 43 Resp: 176447

Ion Ratio Lower Upper

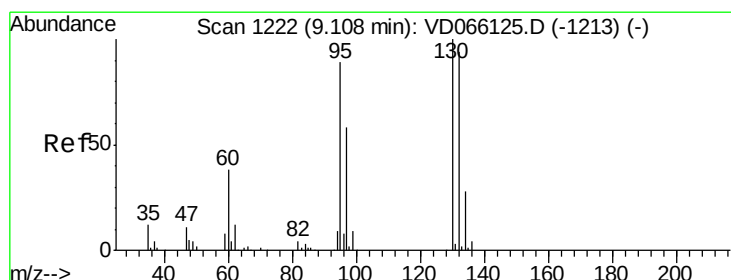
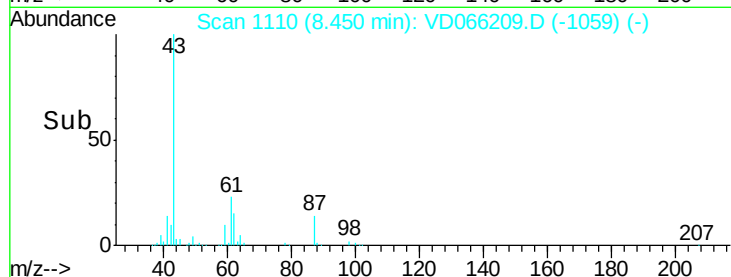
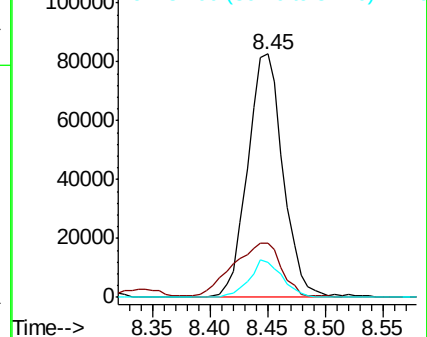
43 100

61 31.4 25.5 38.3

87 14.2 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: 52.075 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066209.D

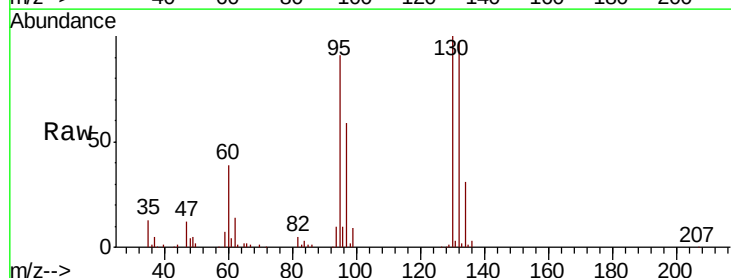
Acq: 13 Aug 2020 13:45

Tgt Ion: 130 Resp: 190731

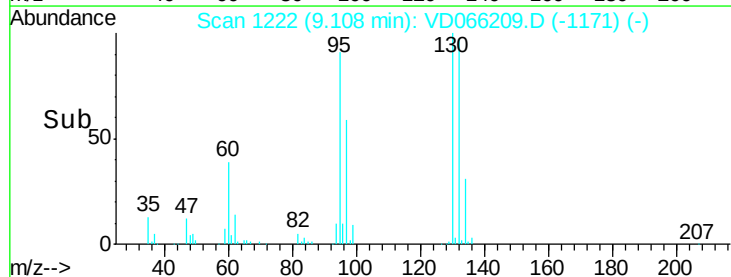
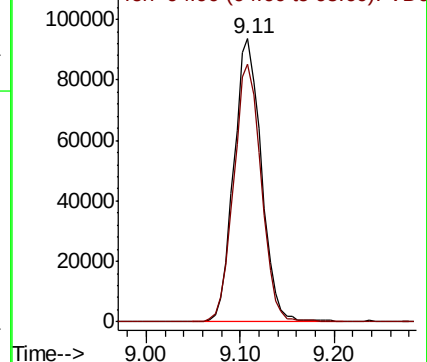
Ion Ratio Lower Upper

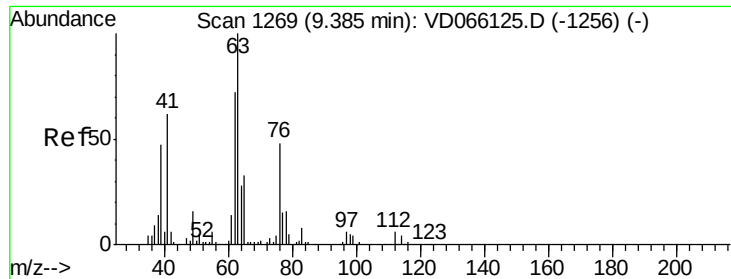
130 100

95 90.9 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: 51.045 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

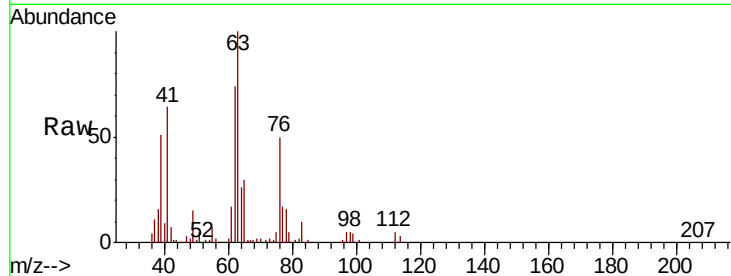
VSTDCCC050

Tot Ion: 63 Resp: 151743

Ion Ratio Lower Upper

63 100

65 30.1 26.5 39.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

80000

60000

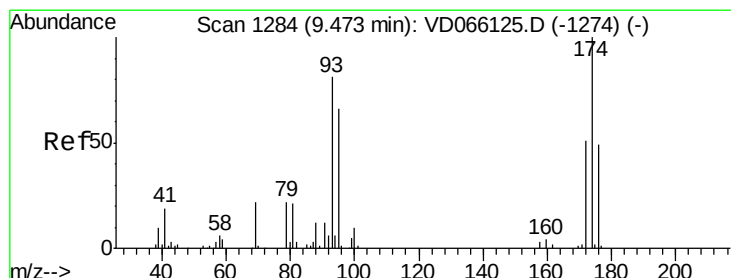
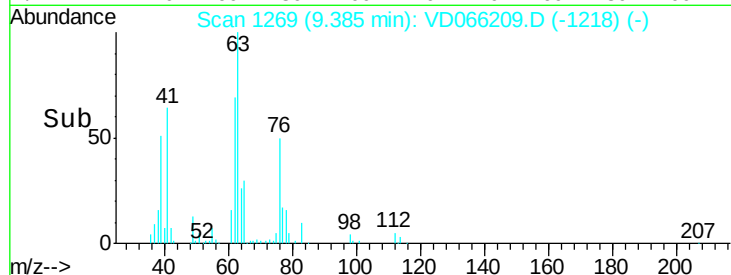
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 51.635 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

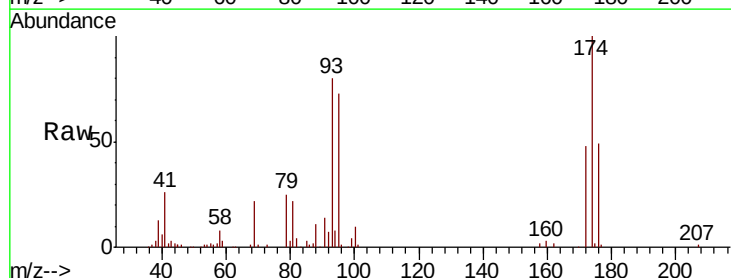
Tgt Ion: 93 Resp: 84549

Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.6

174 117.4 92.8 139.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.47

60000

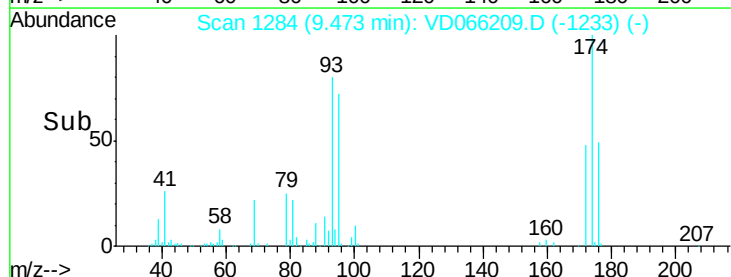
40000

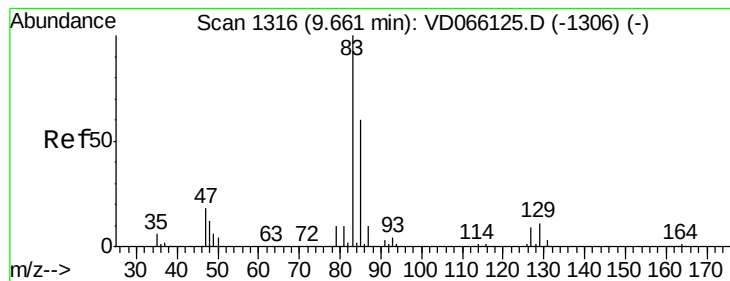
20000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 52.113 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

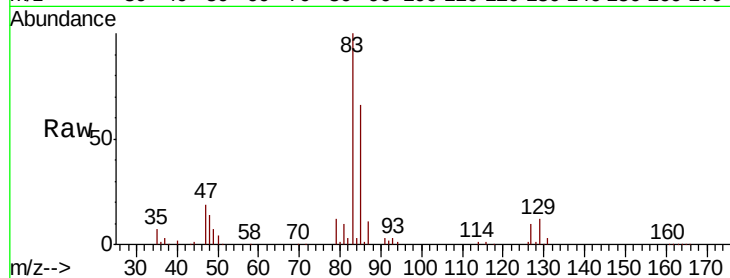
Tot Ion: 83 Resp: 225531

Ion Ratio Lower Upper

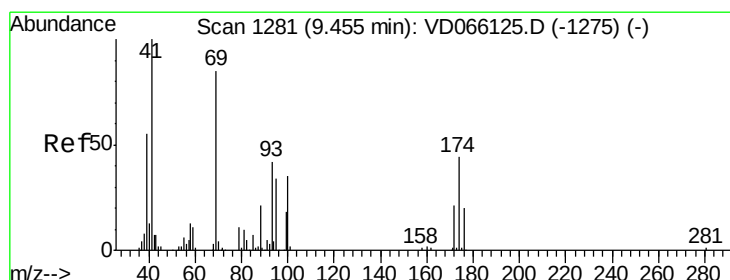
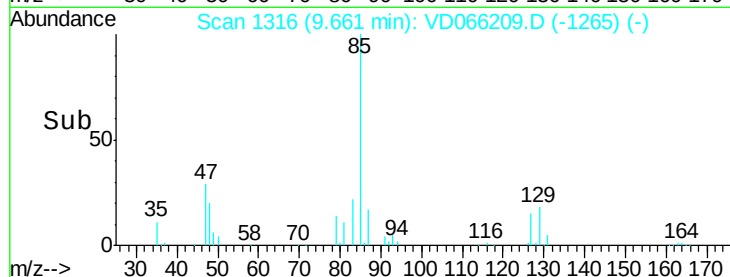
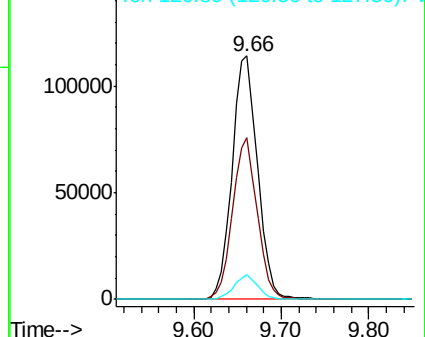
83 100

85 66.2 48.2 72.4

127 10.1 7.3 10.9



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



#48

Methyl methacrylate

Concen: 51.694 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

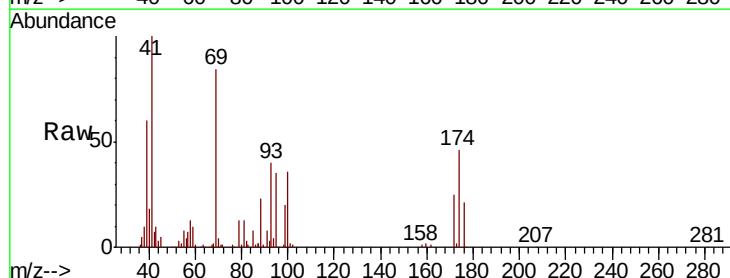
Tgt Ion: 41 Resp: 90287

Ion Ratio Lower Upper

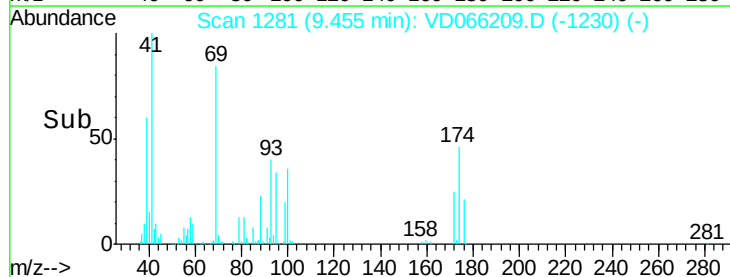
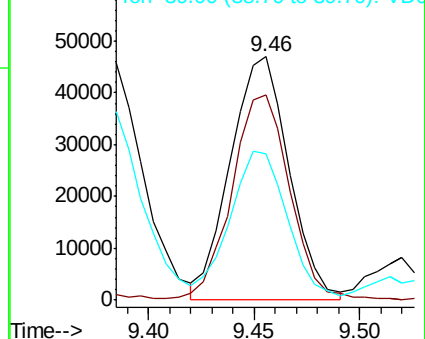
41 100

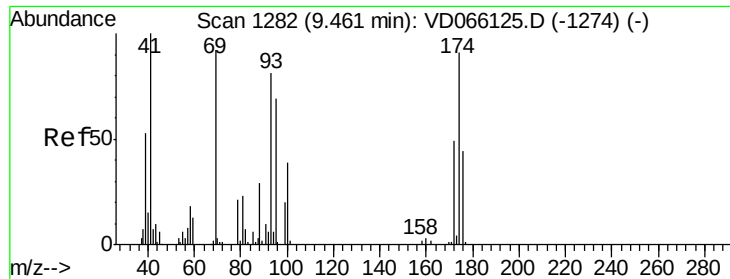
69 83.8 63.9 95.9

39 56.6 42.6 64.0



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

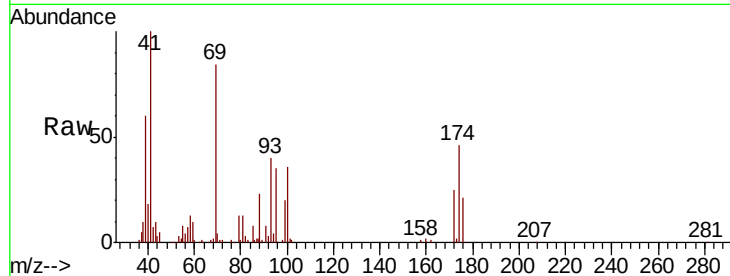




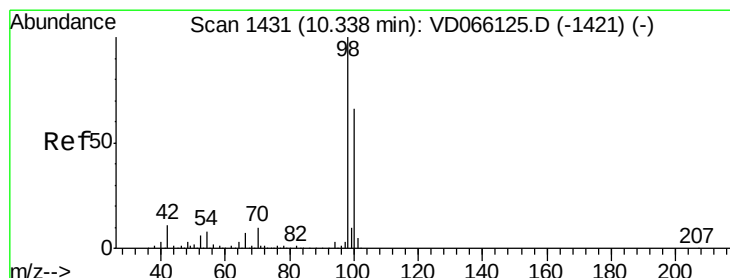
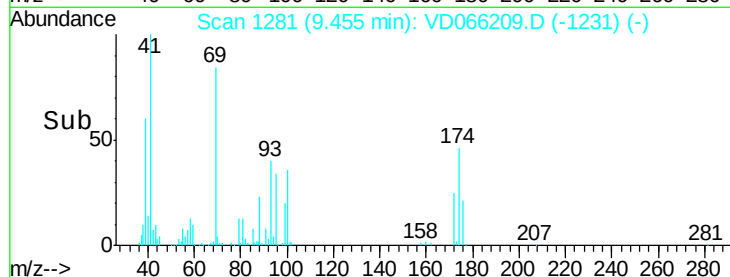
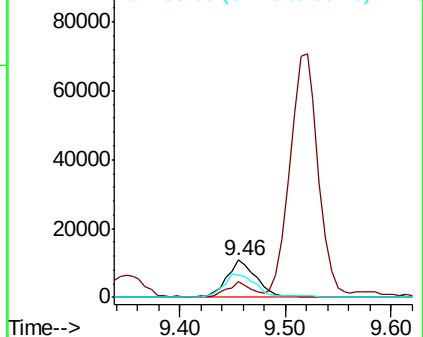
#49
1,4-Dioxane
Concen: 993.345 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 20897
Ion Ratio Lower Upper
88 100
43 36.3 27.5 41.3
58 69.0 50.2 75.4

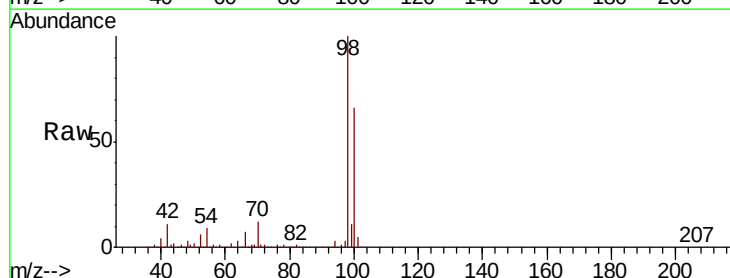


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

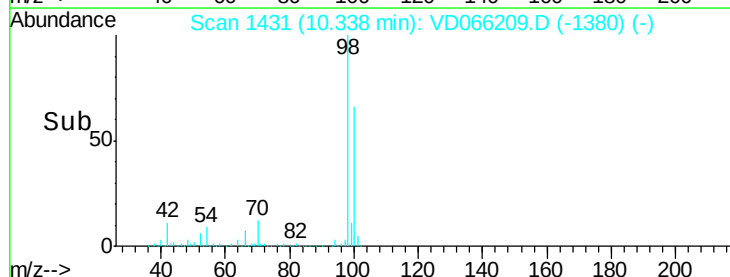
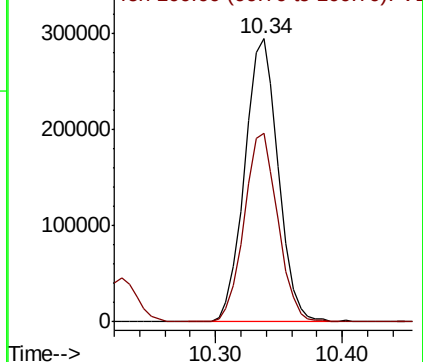


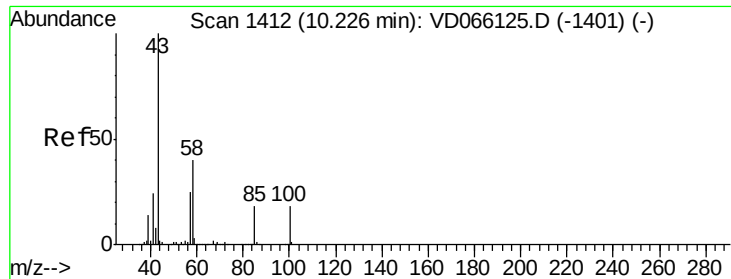
#50
Toluene-d8
Concen: 49.790 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 98 Resp: 542717
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



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

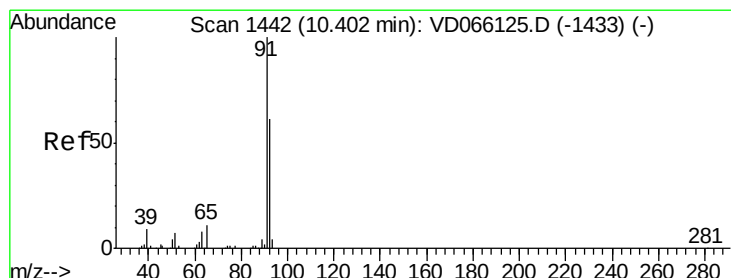
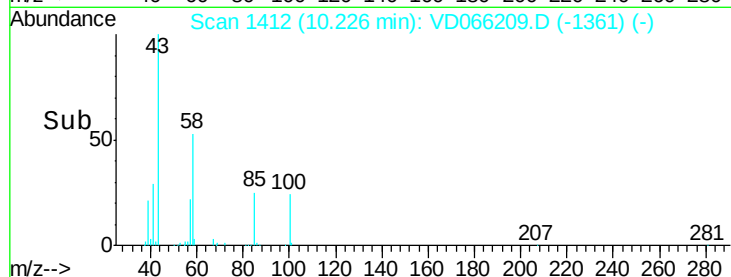
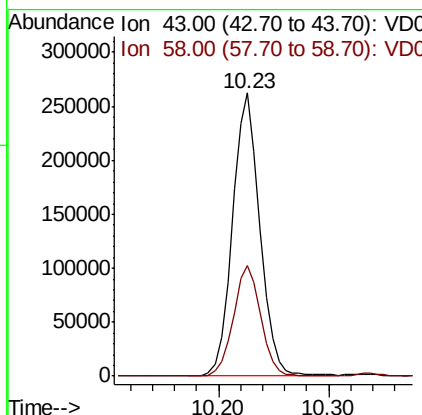
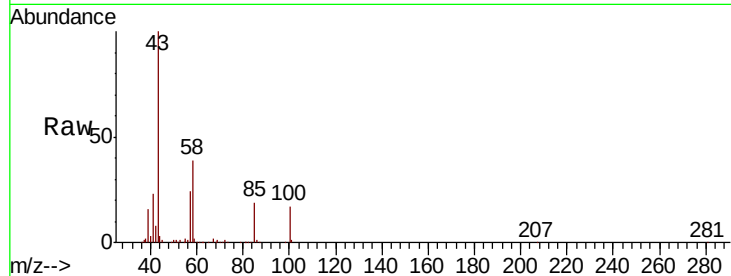




#51
4-Methyl-2-Pentanone
Concen: 259.479 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

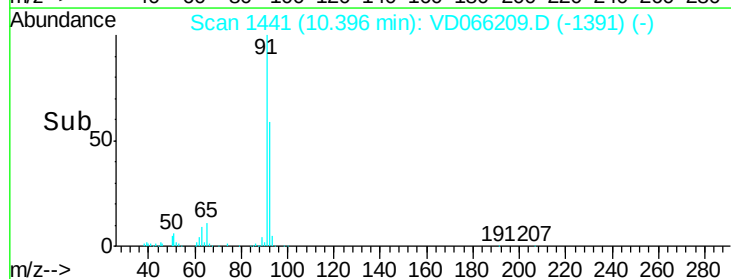
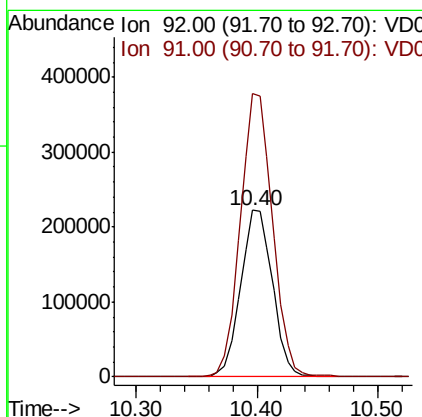
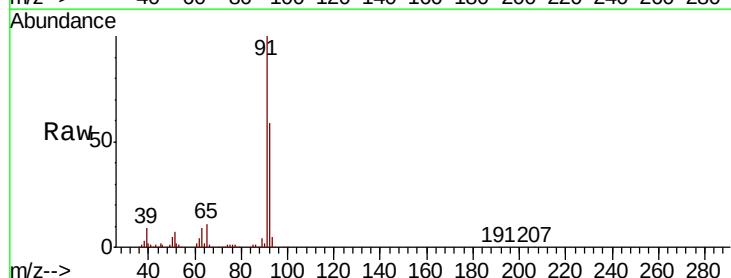
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

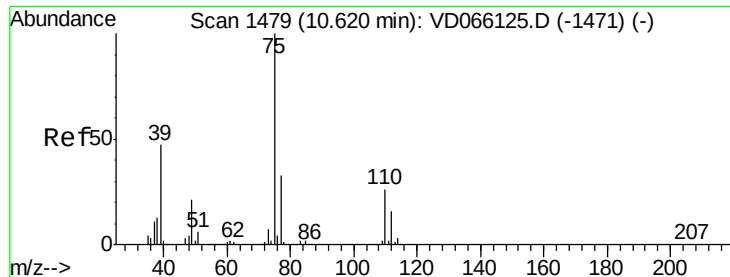
Tot Ion: 43 Resp: 455890
Ion Ratio Lower Upper
43 100
58 39.1 31.1 46.7



#52
Toluene
Concen: 51.384 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 92 Resp: 410971
Ion Ratio Lower Upper
92 100
91 171.8 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 52.305 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

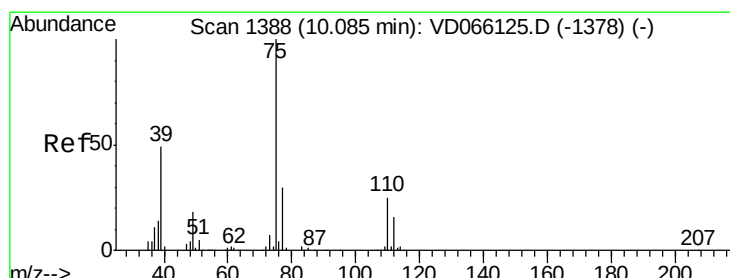
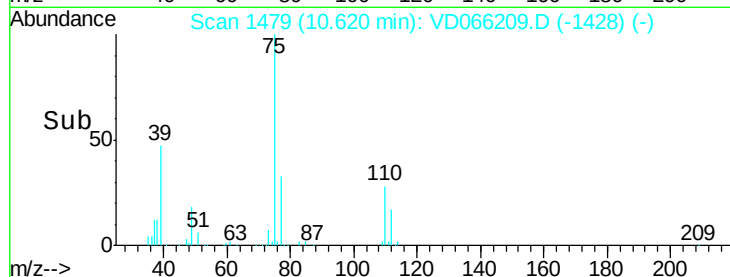
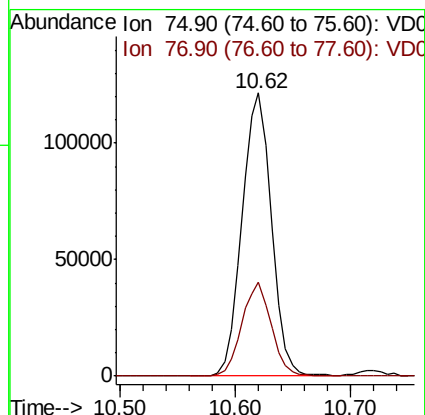
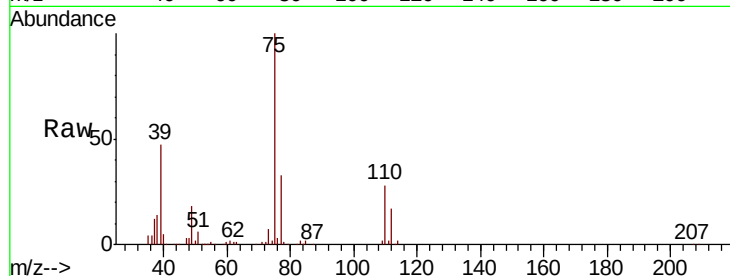
VSTDCCC050

Tot Ion: 75 Resp: 214821

Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 53.592 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

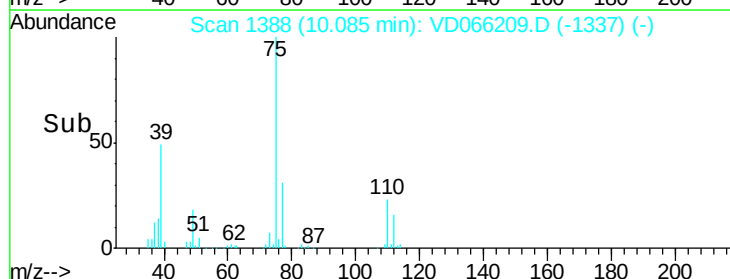
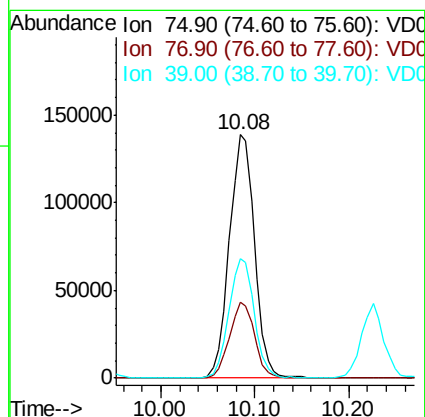
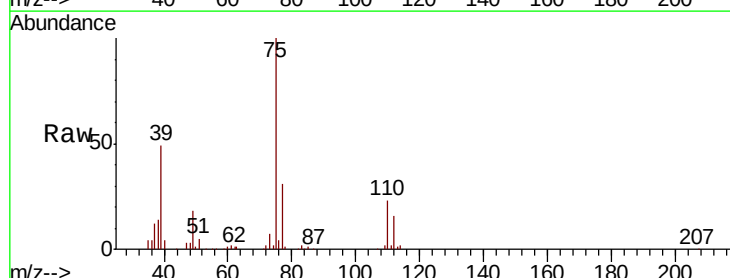
Tgt Ion: 75 Resp: 257880

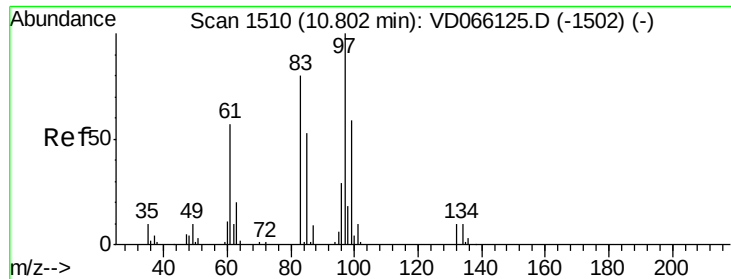
Ion Ratio Lower Upper

75 100

77 31.3 24.3 36.5

39 48.9 39.3 58.9

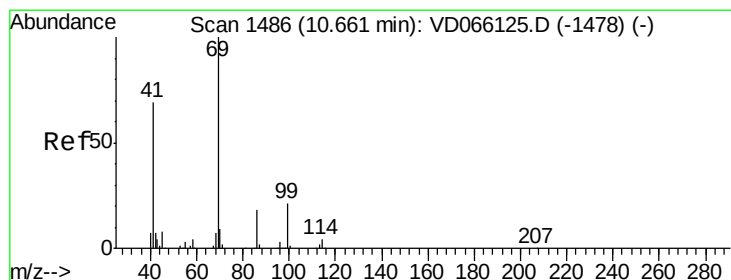
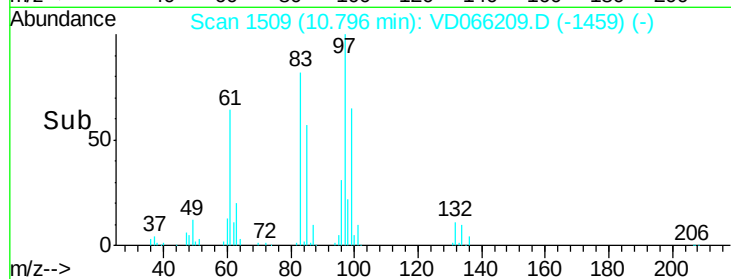
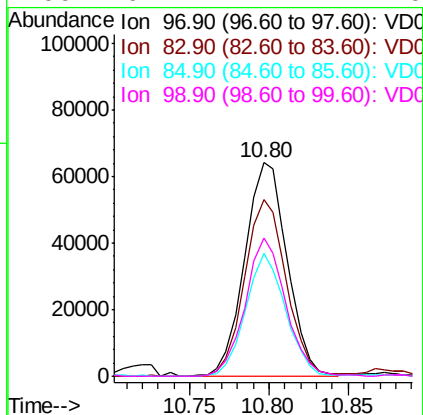
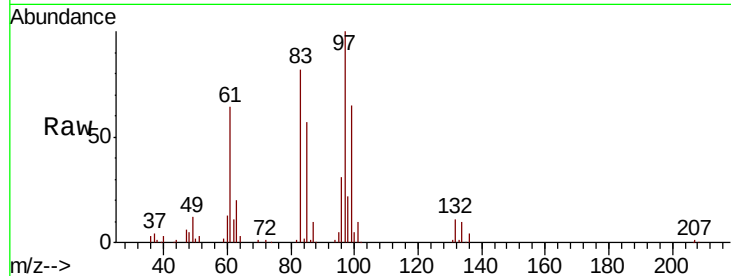




#55
 1,1,2-Trichloroethane
 Concen: 50.720 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

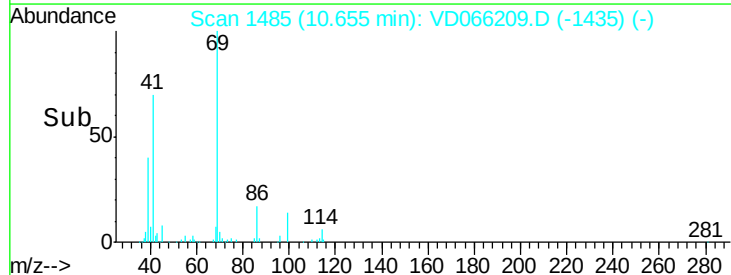
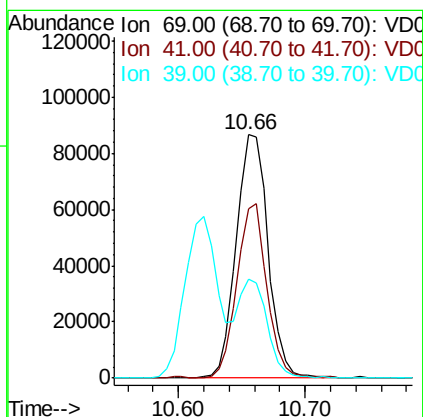
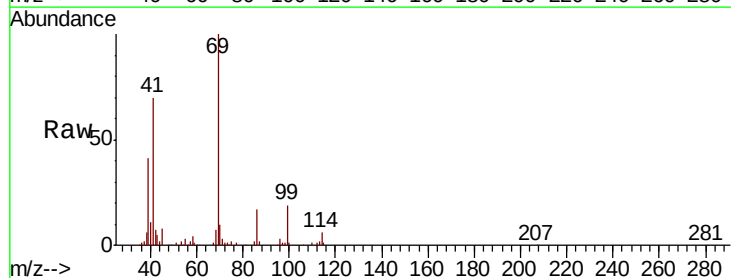
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

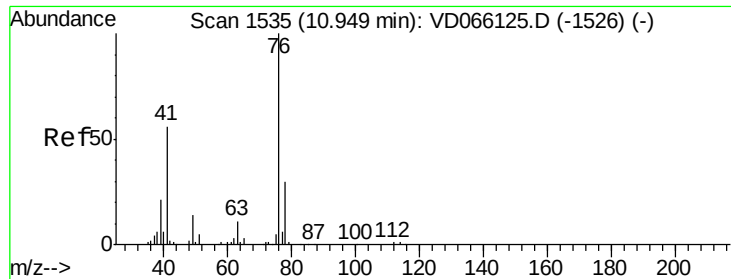
Tot Ion:	97	Resp:	119590
Ion	Ratio	Lower	Upper
97	100		
83	82.5	63.9	95.9
85	57.3	42.5	63.7
99	64.7	47.4	71.0



#56
 Ethyl methacrylate
 Concen: 53.336 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion:	69	Resp:	151072
Ion	Ratio	Lower	Upper
69	100		
41	66.1	54.1	81.1
39	40.1	28.6	43.0

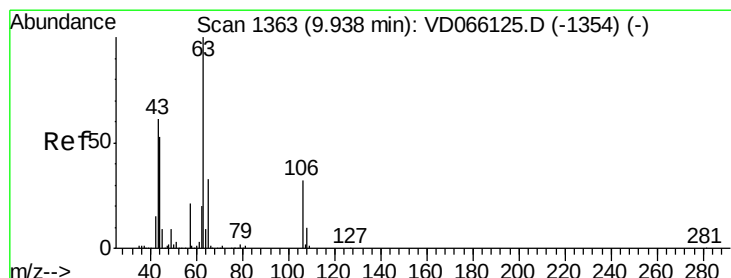
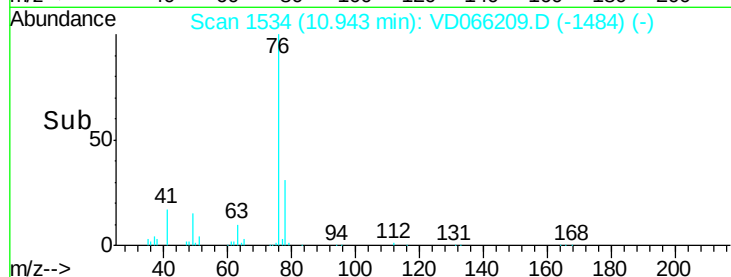
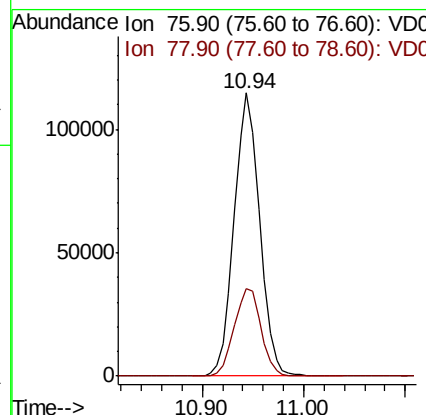
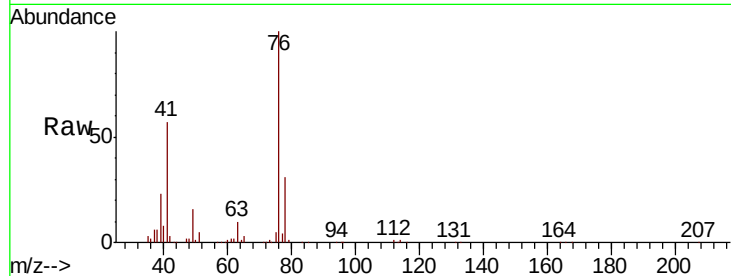




#57
 1,3-Dichloropropane
 Concen: 51.231 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

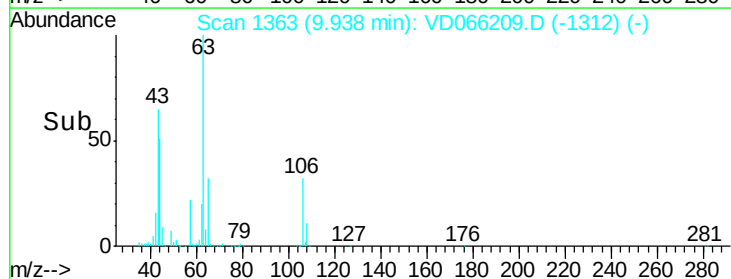
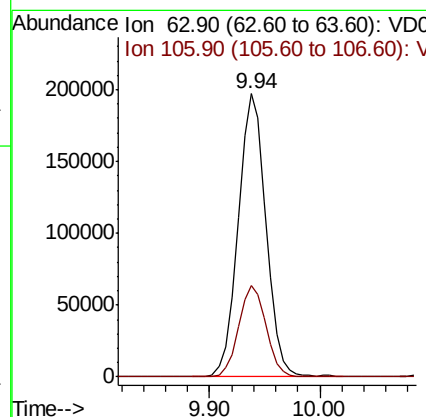
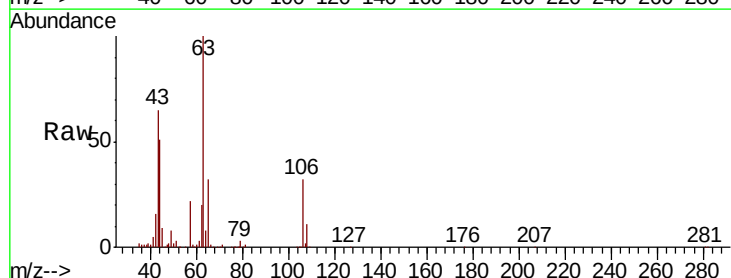
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

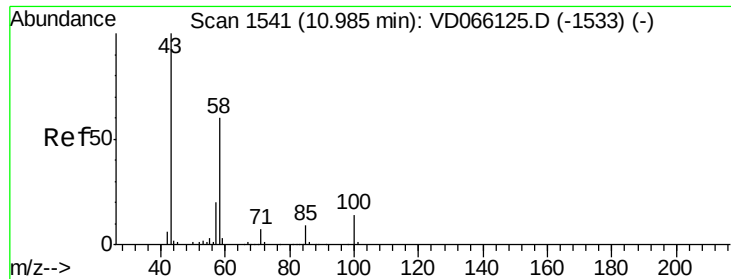
Tot Ion: 76 Resp: 200537
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.811 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion: 63 Resp: 348855
 Ion Ratio Lower Upper
 63 100
 106 31.9 25.3 37.9

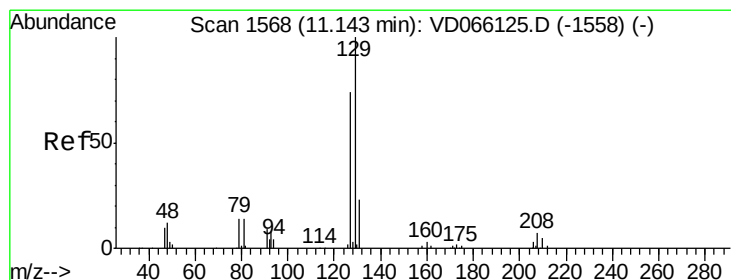
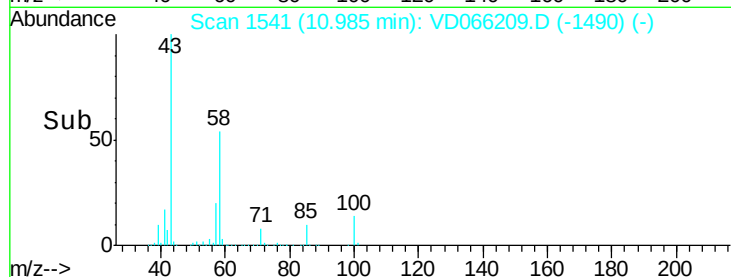
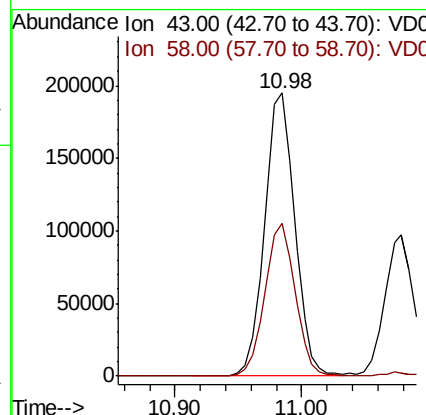
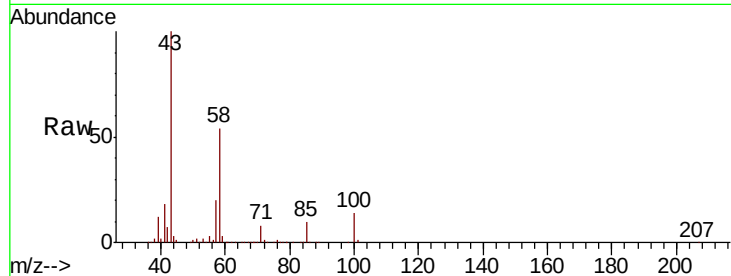




#59
2-Hexanone
Concen: 263.497 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

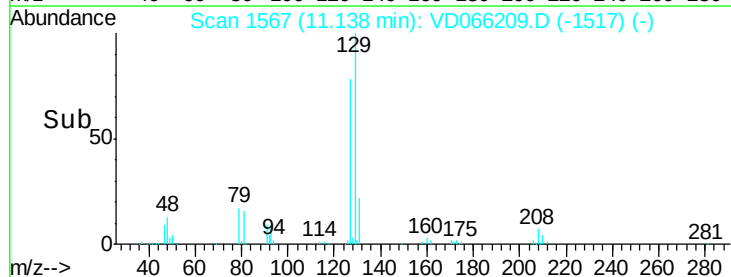
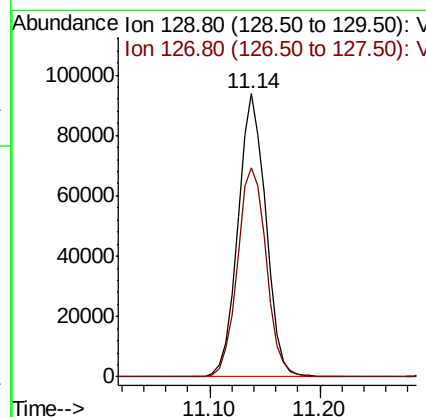
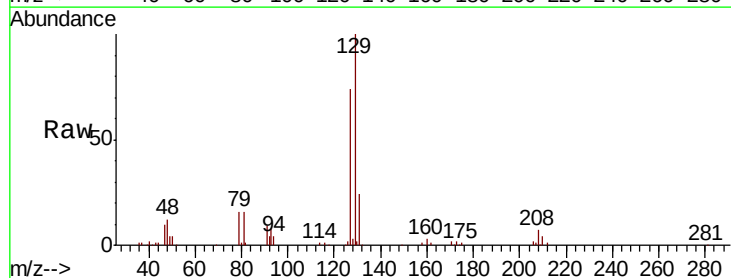
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

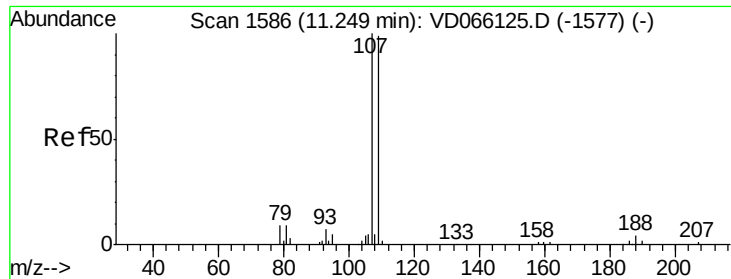
Tot Ion: 43 Resp: 324906
Ion Ratio Lower Upper
43 100
58 54.1 27.8 83.4



#60
Dibromochloromethane
Concen: 51.051 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 129 Resp: 166181
Ion Ratio Lower Upper
129 100
127 76.8 38.0 114.1

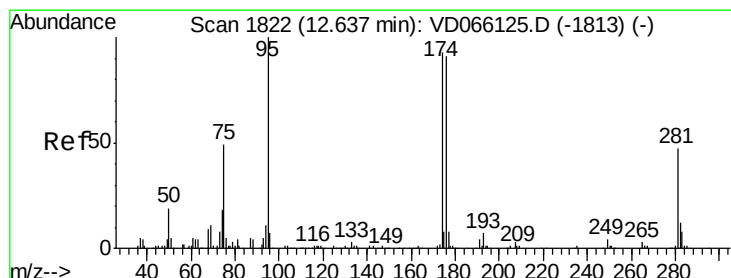
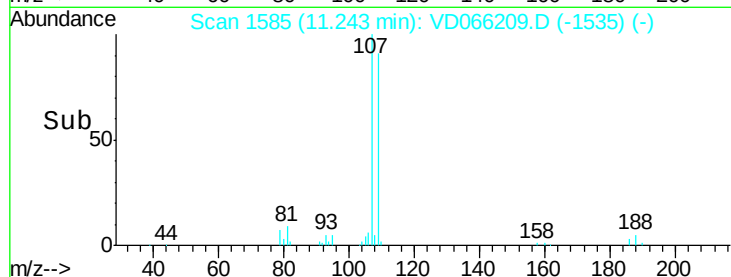
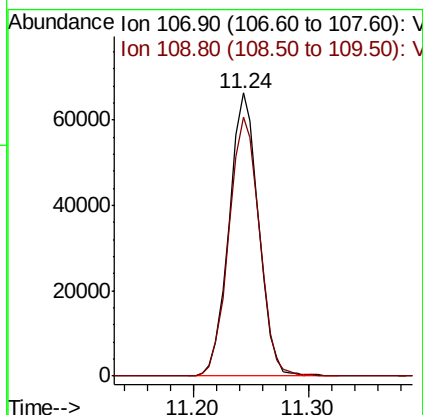
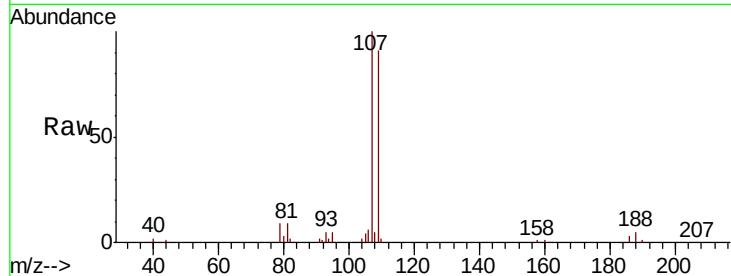




#61
 1,2-Dibromoethane
 Concen: 51.625 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

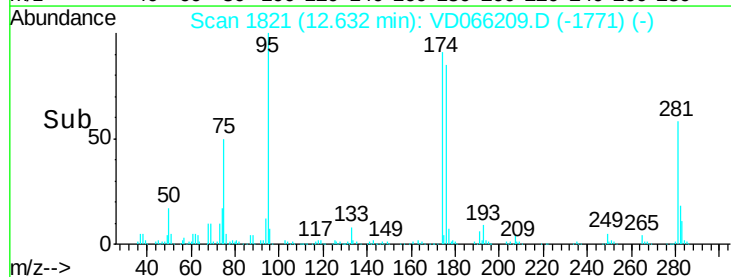
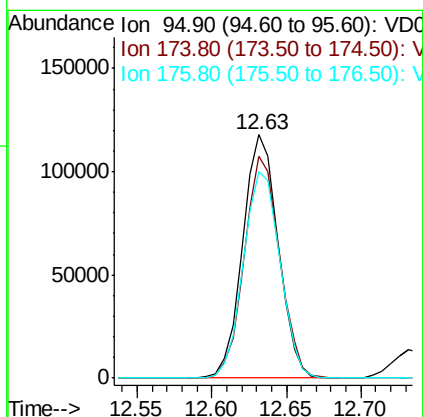
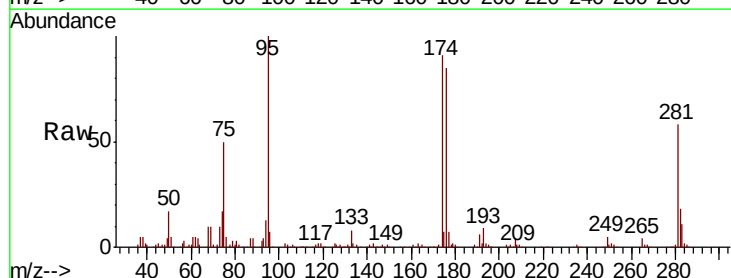
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

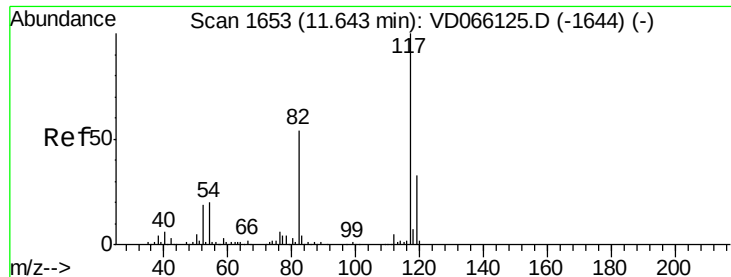
Tot Ion:107 Resp: 117062
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 49.206 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion: 95 Resp: 193334
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 180.8
 176 87.5 0.0 181.2

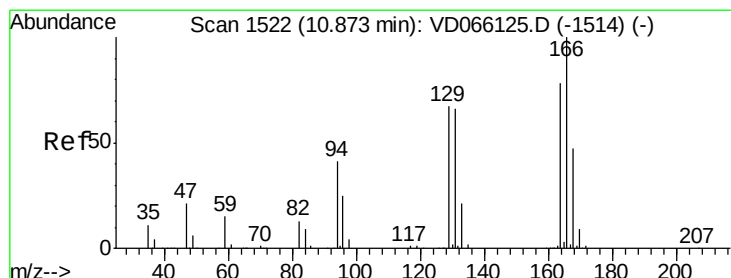
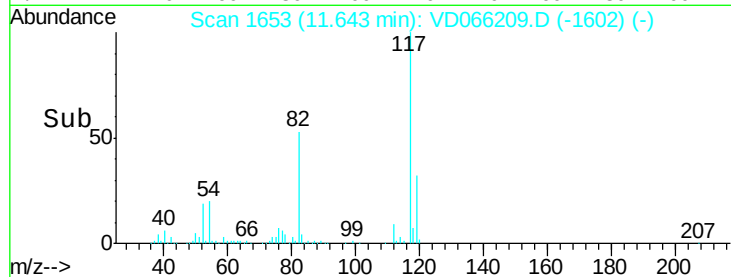
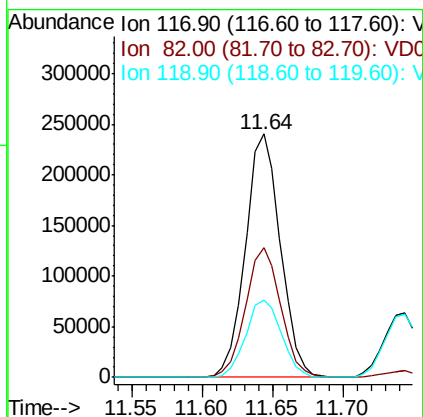
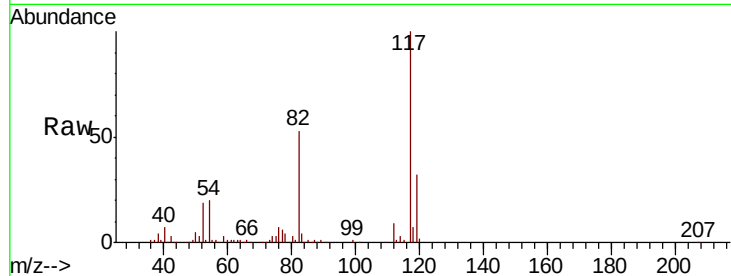




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

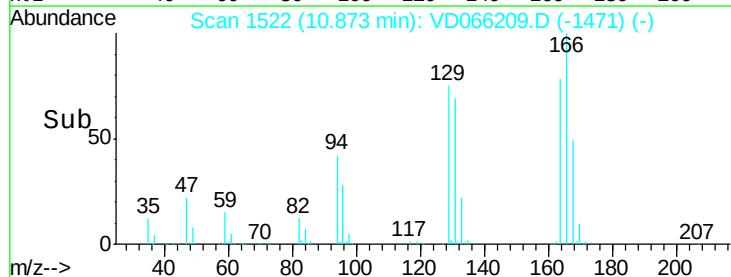
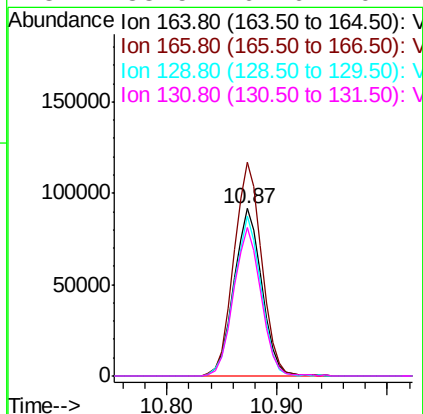
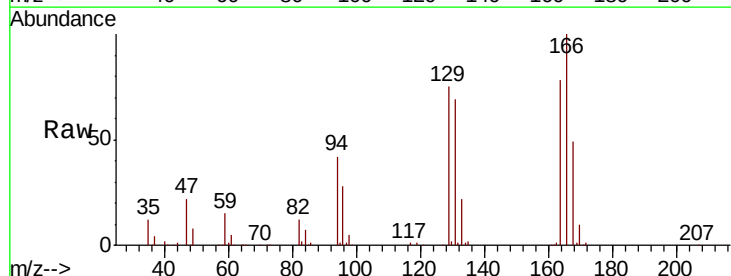
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

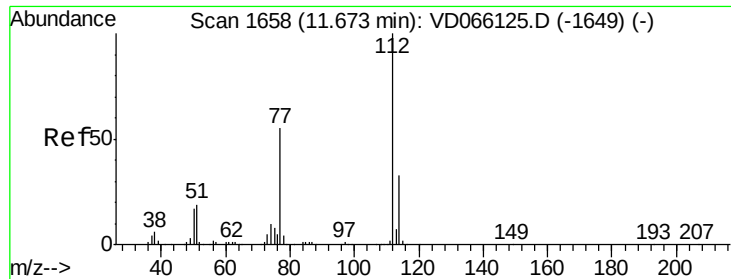
Tot Ion:117 Resp: 416747
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 31.8 26.1 39.1



#64
Tetrachloroethene
Concen: 50.798 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion:164 Resp: 162561
Ion Ratio Lower Upper
164 100
166 127.7 101.9 152.9
129 95.8 68.1 102.1
131 88.5 67.6 101.4

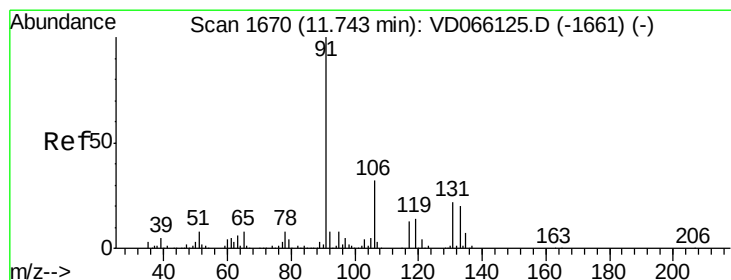
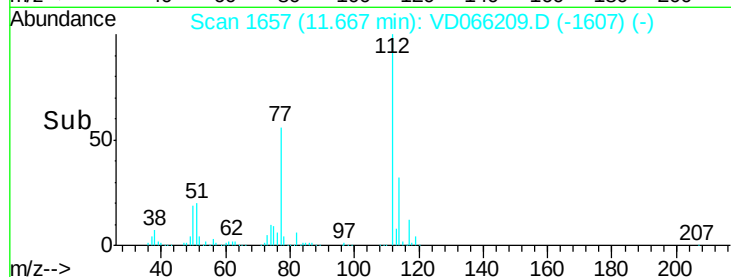
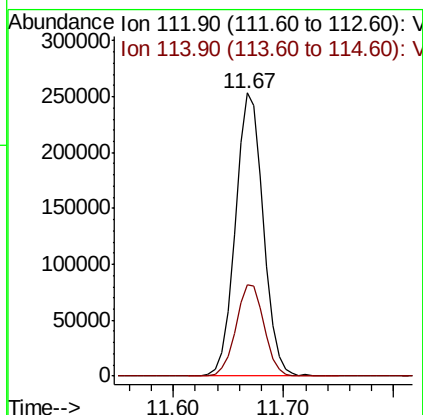
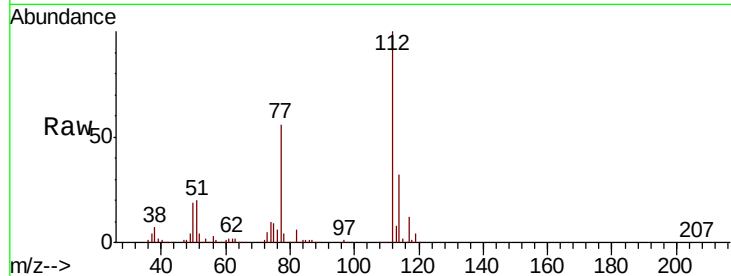




#65
Chlorobenzene
Concen: 52.826 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

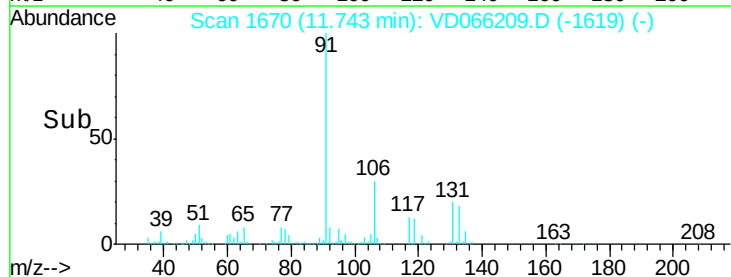
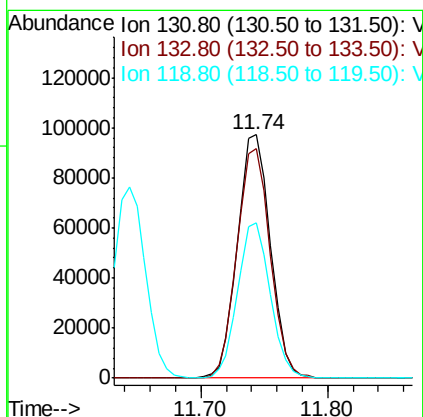
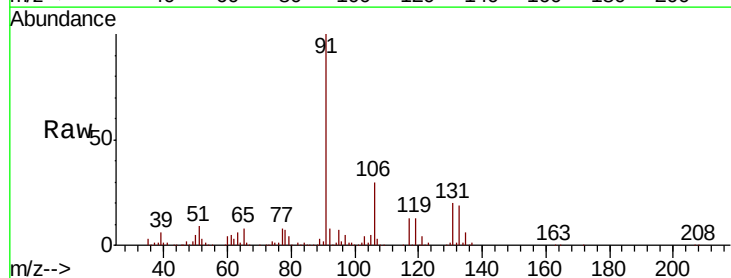
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

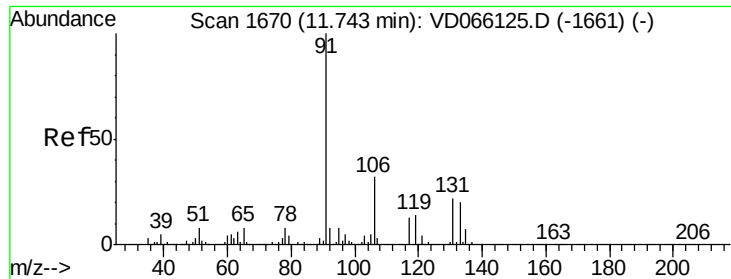
Tot Ion:112 Resp: 446914
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 53.182 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion:131 Resp: 176042
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.4
119 63.2 31.6 94.7





#67

Ethyl Benzene

Concen: 54.997 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

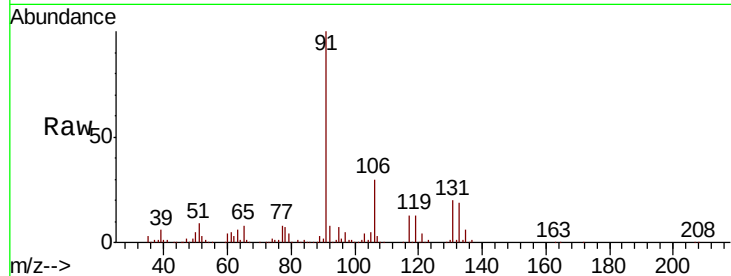
VSTDCCC050

Tot Ion: 91 Resp: 806285

Ion Ratio Lower Upper

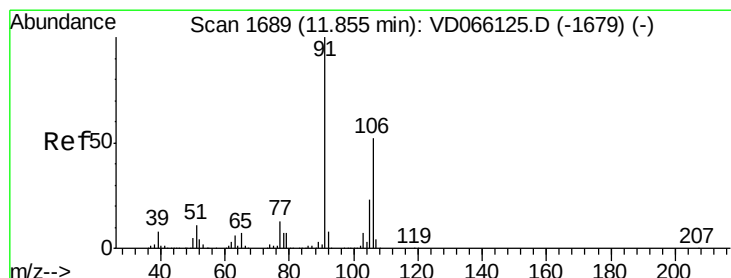
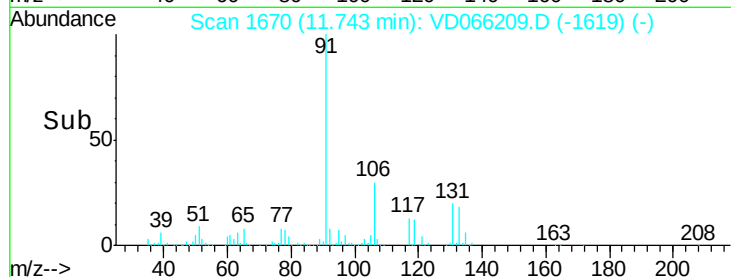
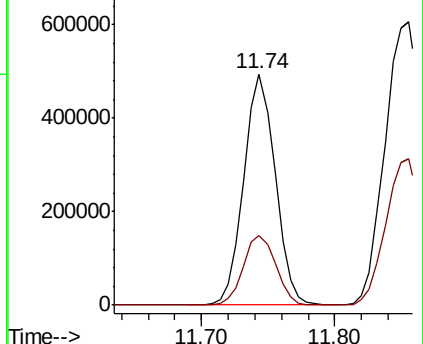
91 100

106 30.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 107.229 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066209.D

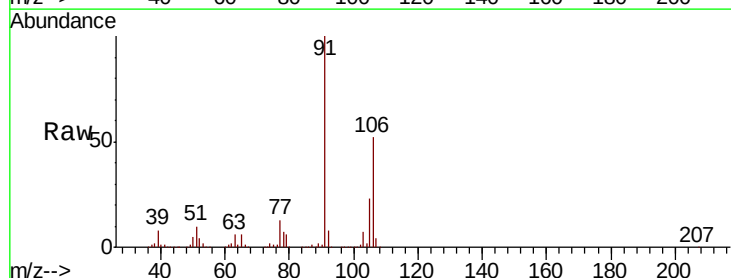
Acq: 13 Aug 2020 13:45

Tgt Ion: 106 Resp: 609070

Ion Ratio Lower Upper

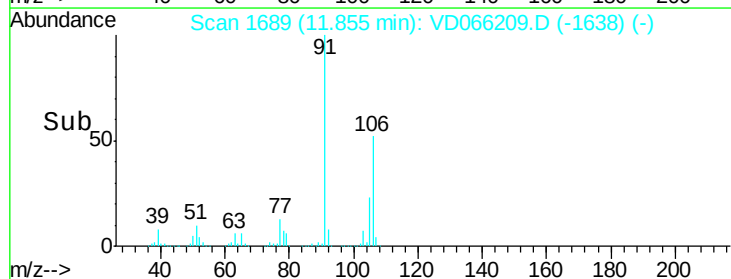
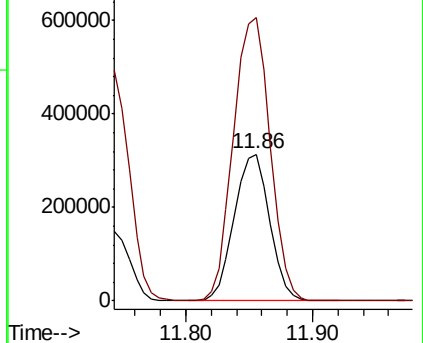
106 100

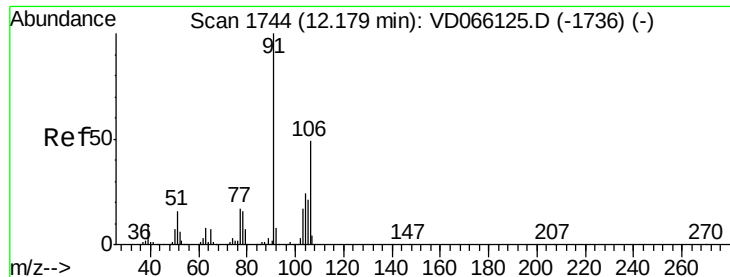
91 200.0 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

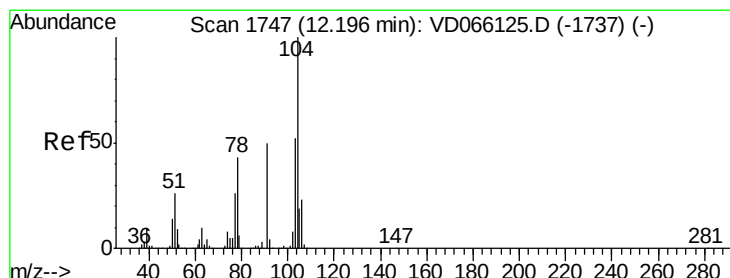
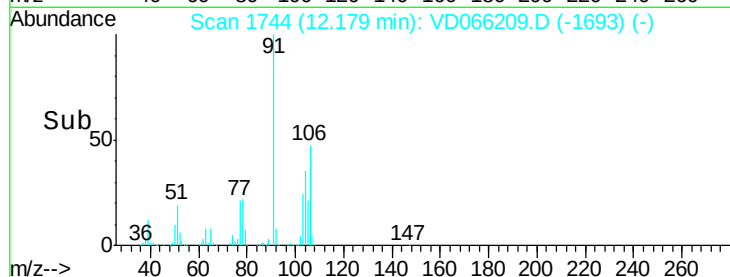
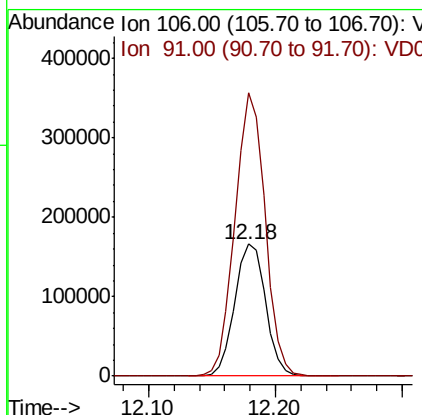
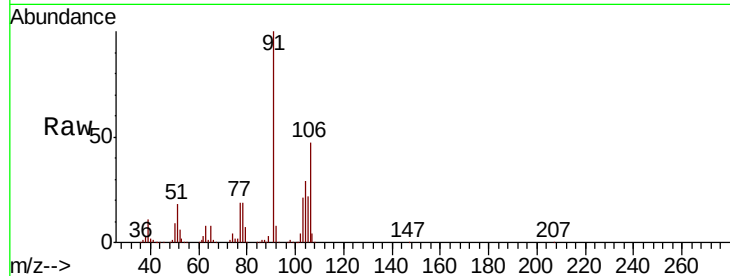




#69
o-Xylene
Concen: 54.317 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

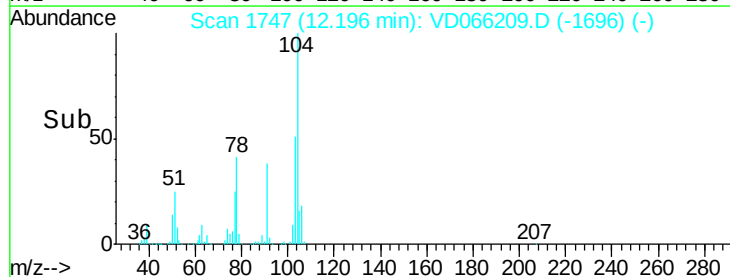
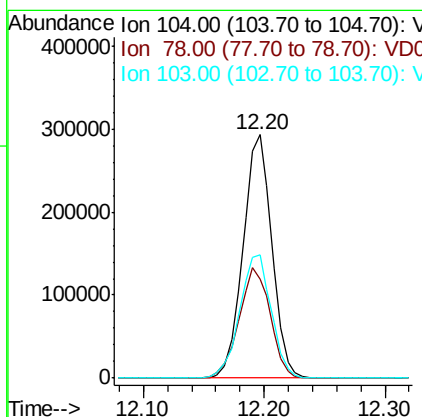
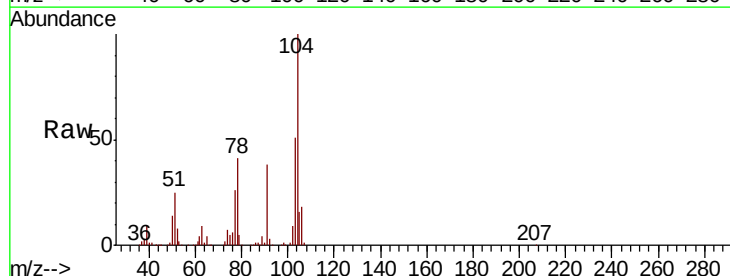
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

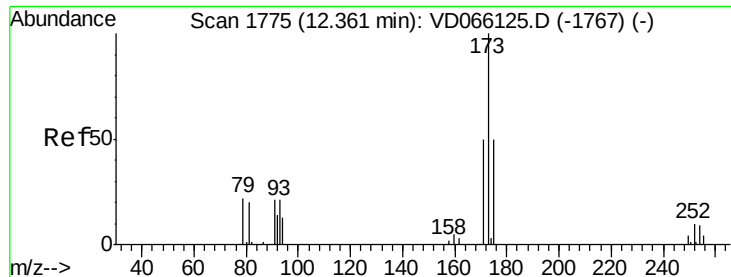
Tot Ion:106 Resp: 280659
Ion Ratio Lower Upper
106 100
91 209.2 105.7 317.1



#70
Styrene
Concen: 53.937 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion:104 Resp: 488422
Ion Ratio Lower Upper
104 100
78 49.1 38.6 58.0
103 55.7 44.1 66.1





#71

Bromoform

Concen: 52.606 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

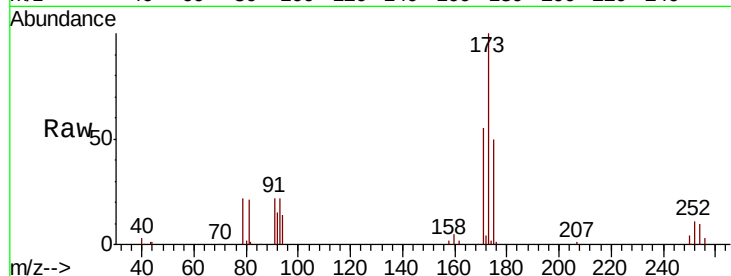
Tot Ion:173 Resp: 103171

Ion Ratio Lower Upper

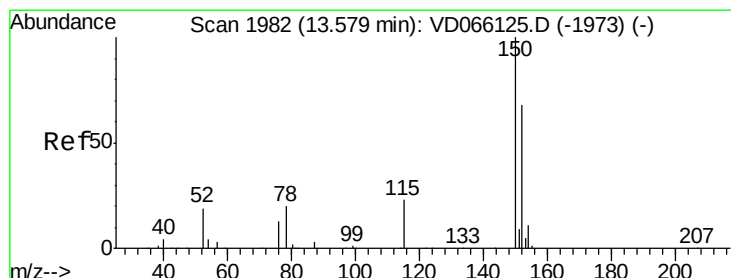
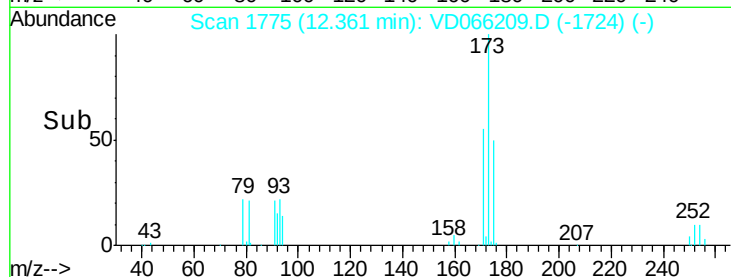
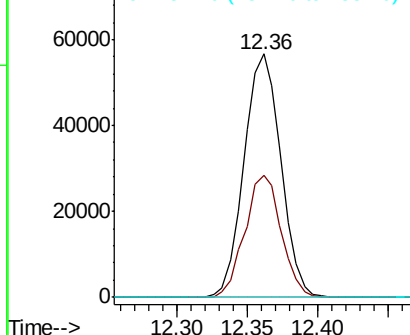
173 100

175 49.8 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: VD066209.D

Acq: 13 Aug 2020 13:45

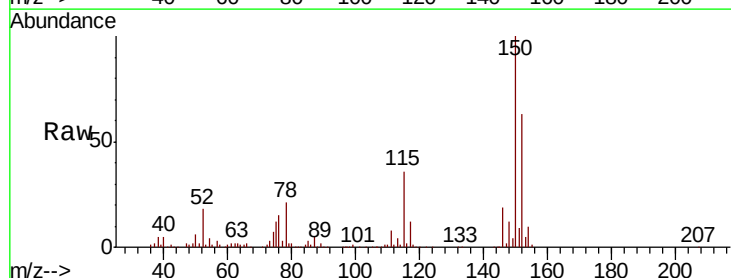
Tgt Ion:152 Resp: 216764

Ion Ratio Lower Upper

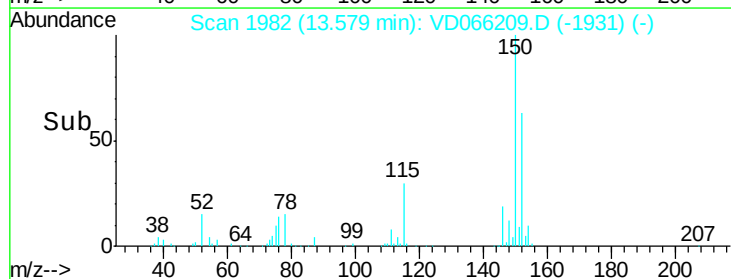
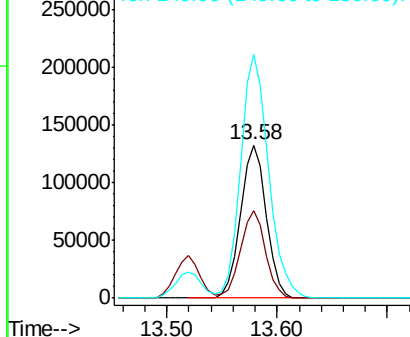
152 100

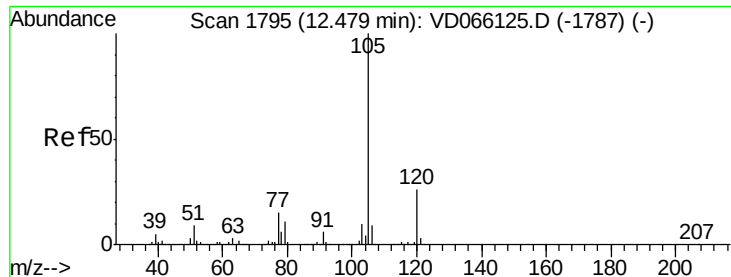
115 55.7 28.0 83.9

150 172.6 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: 55.197 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

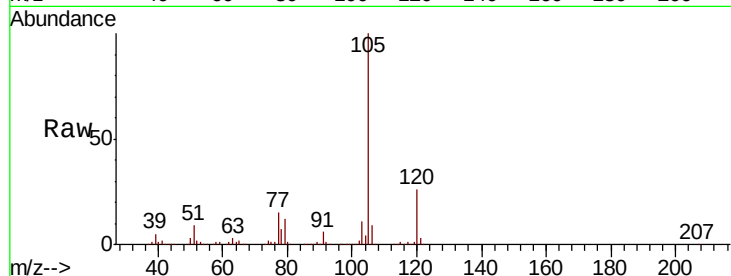
VSTDCCC050

Tot Ion:105 Resp: 798666

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

12.48

500000

400000

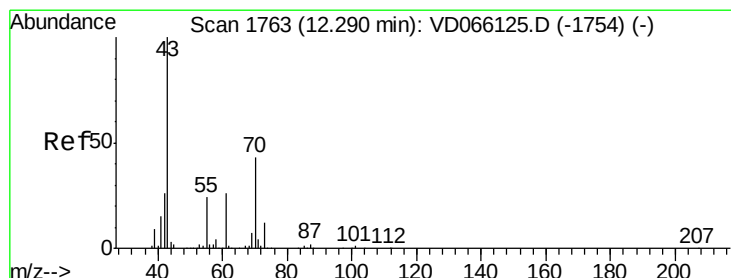
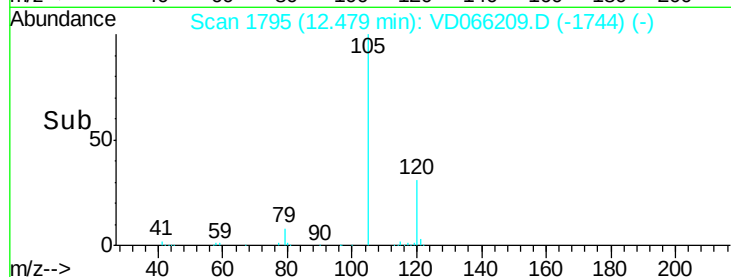
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 53.357 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion: 43 Resp: 170010

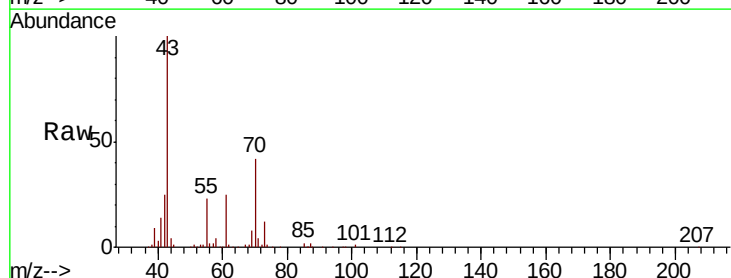
Ion Ratio Lower Upper

43 100

70 43.1 34.9 52.3

55 25.1 19.2 28.8

61 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.29

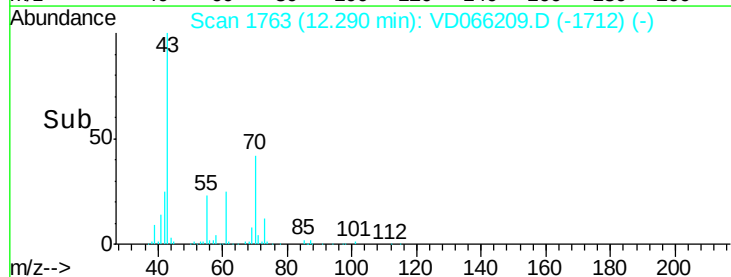
150000

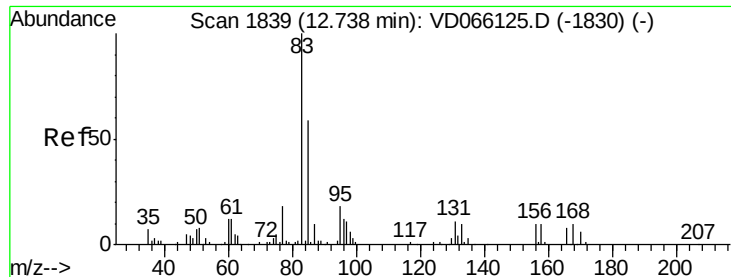
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.701 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

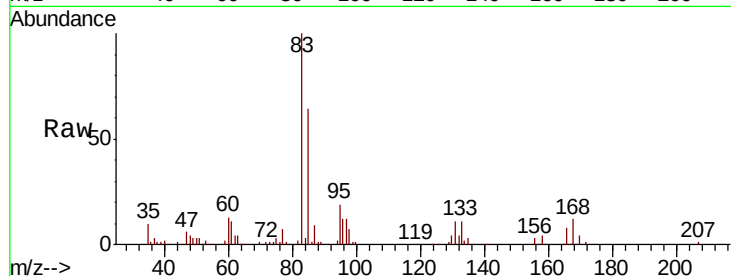
Tot Ion: 83 Resp: 130029

Ion Ratio Lower Upper

83 100

131 12.1 6.2 18.6

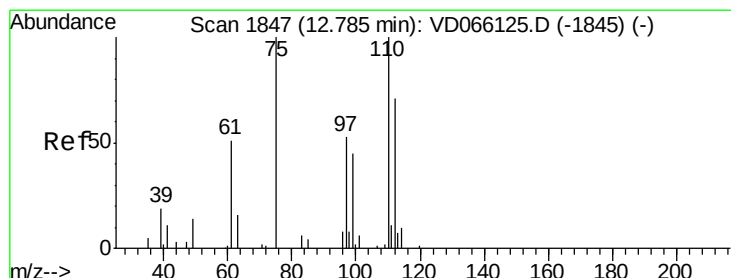
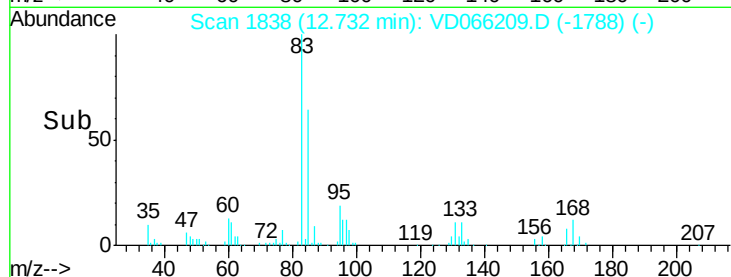
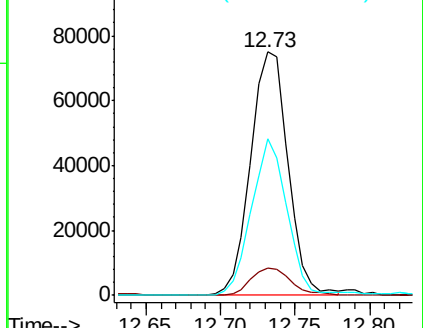
85 61.0 32.4 97.2



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: 95.576 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066209.D

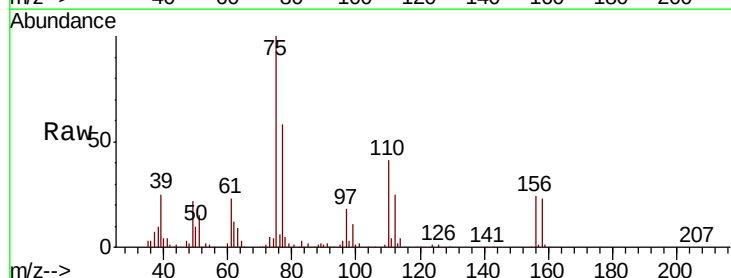
Acq: 13 Aug 2020 13:45

Tgt Ion: 75 Resp: 172768

Ion Ratio Lower Upper

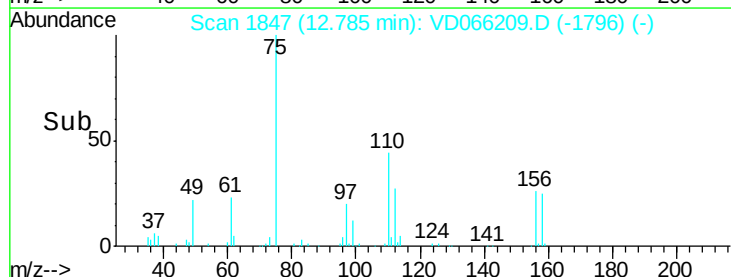
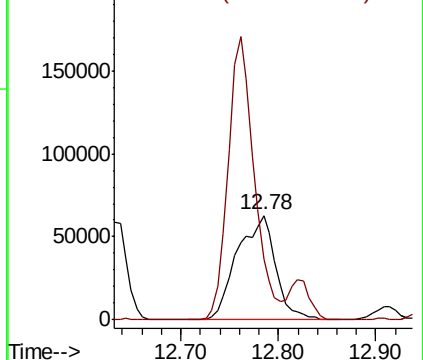
75 100

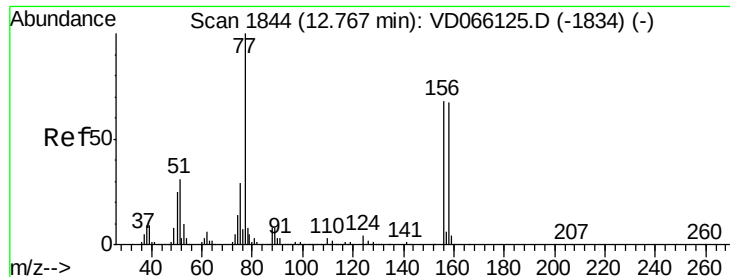
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.304 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

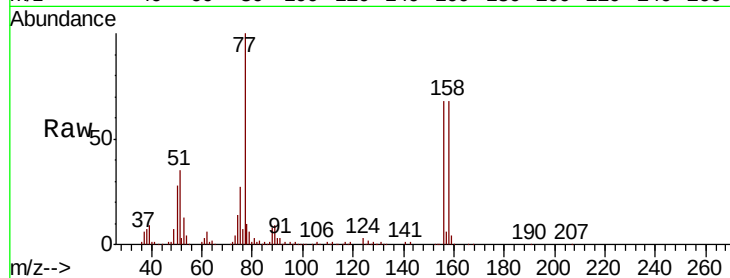
Tot Ion:156 Resp: 194820

Ion Ratio Lower Upper

156 100

77 163.2 81.0 243.1

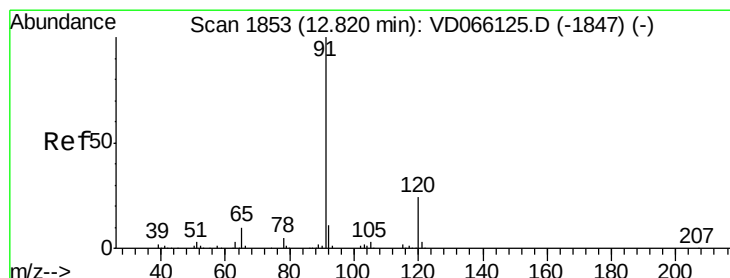
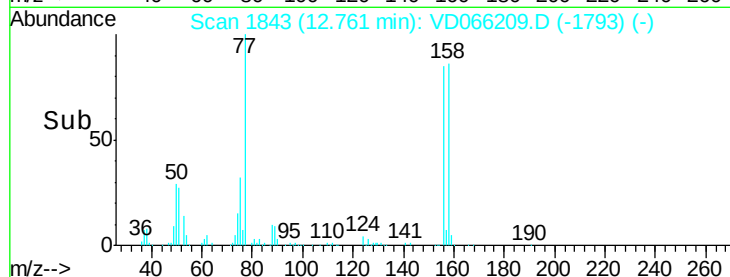
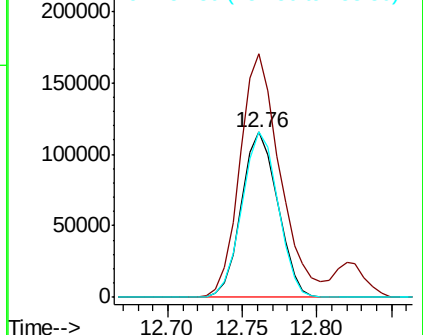
158 99.7 48.8 146.3



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: 54.654 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066209.D

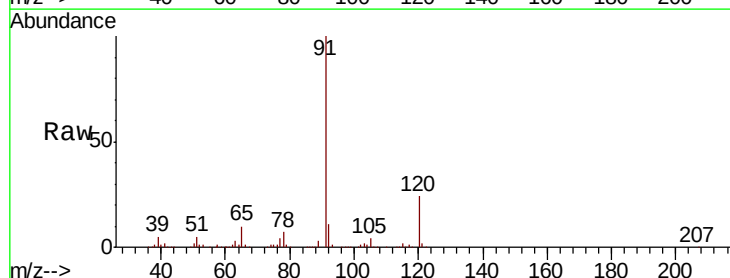
Acq: 13 Aug 2020 13:45

Tgt Ion: 91 Resp: 919270

Ion Ratio Lower Upper

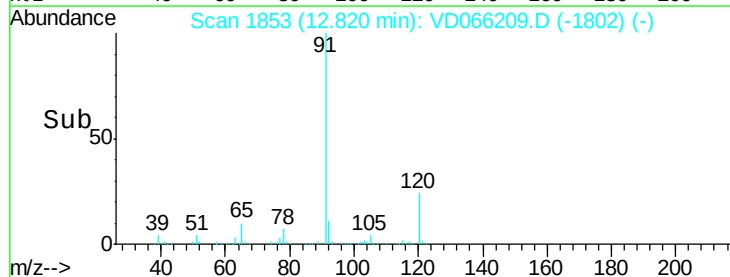
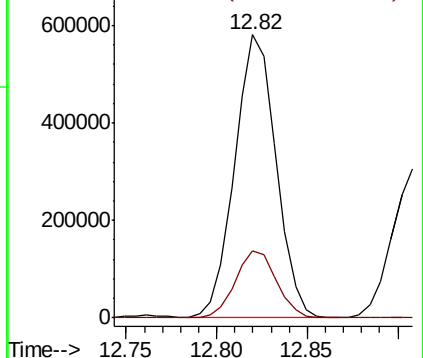
91 100

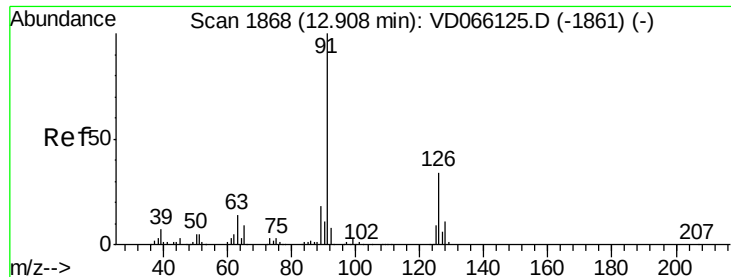
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.699 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

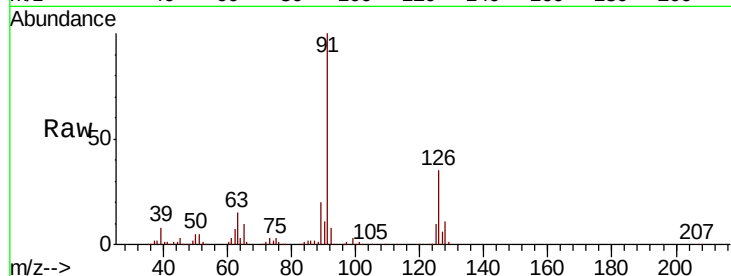
VSTDCCC050

Tot Ion: 91 Resp: 516579

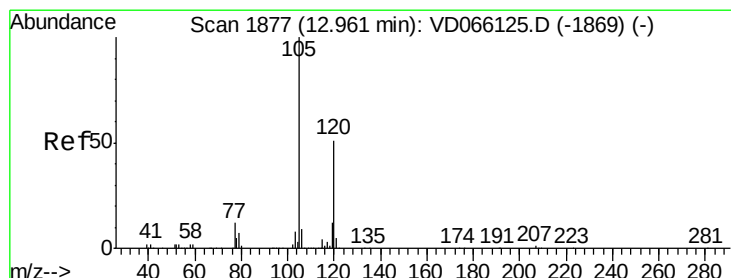
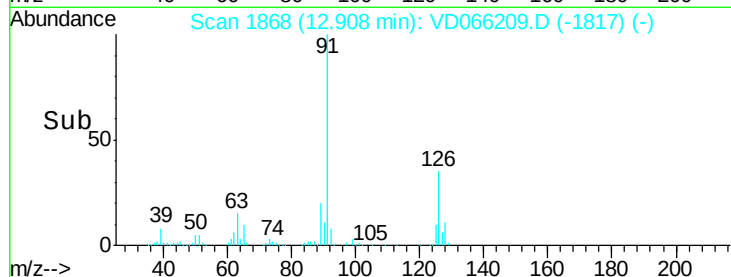
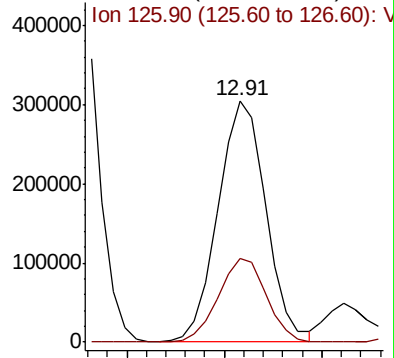
Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066209.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.786 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066209.D

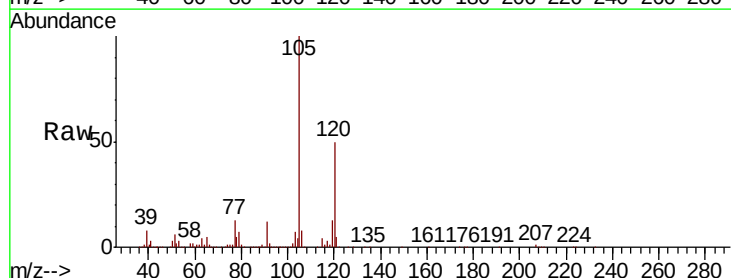
Acq: 13 Aug 2020 13:45

Tgt Ion: 105 Resp: 662962

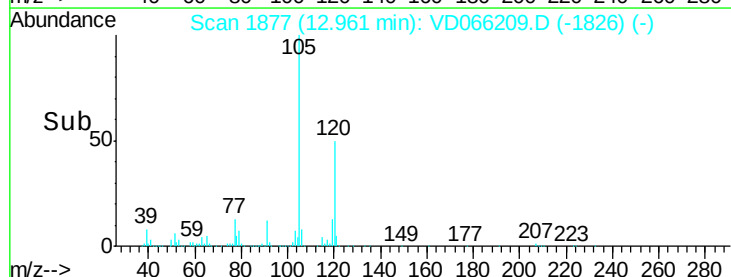
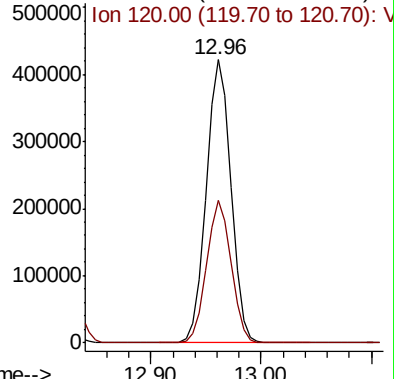
Ion Ratio Lower Upper

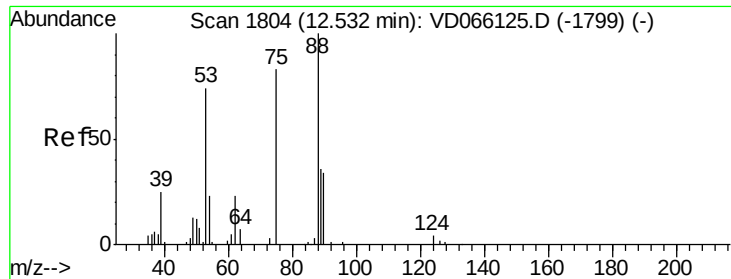
105 100

120 50.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066209.D (-1826) (-)

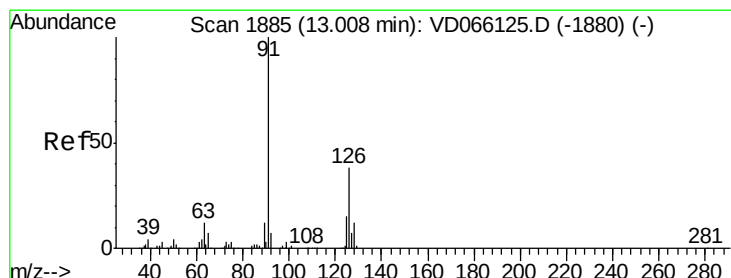
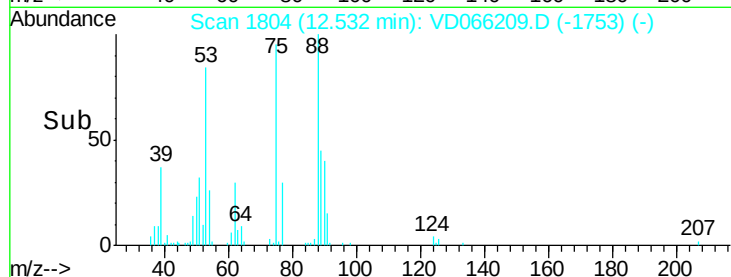
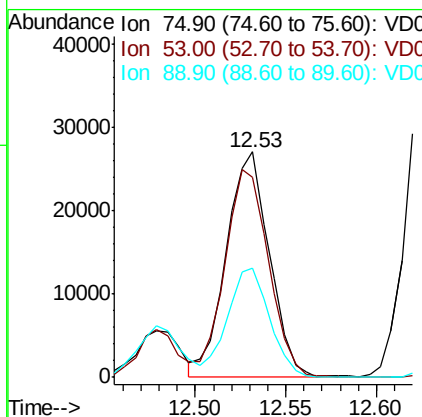
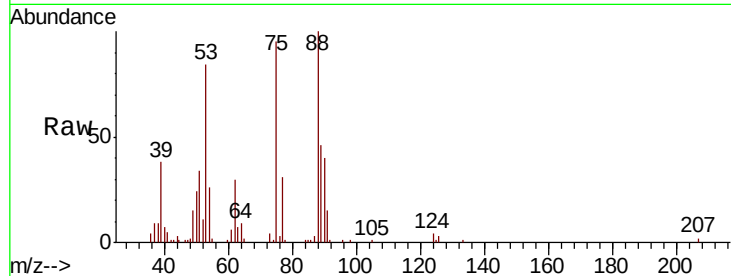




#81
trans-1,4-Dichloro-2-butene
Concen: 54.893 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

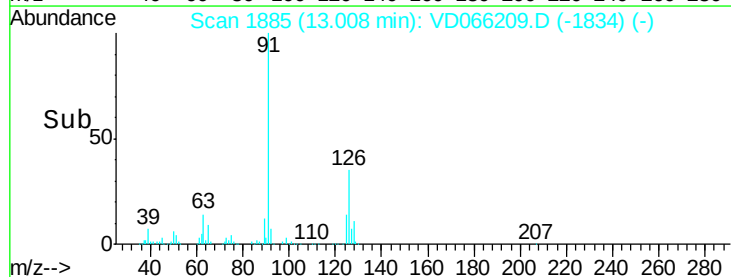
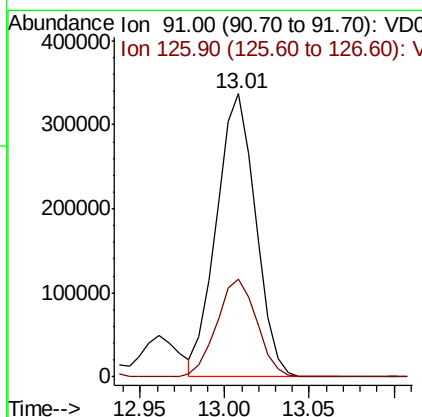
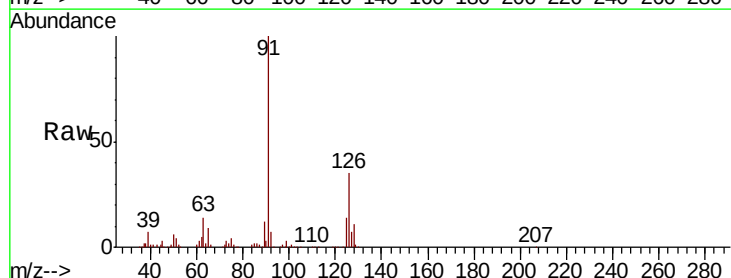
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

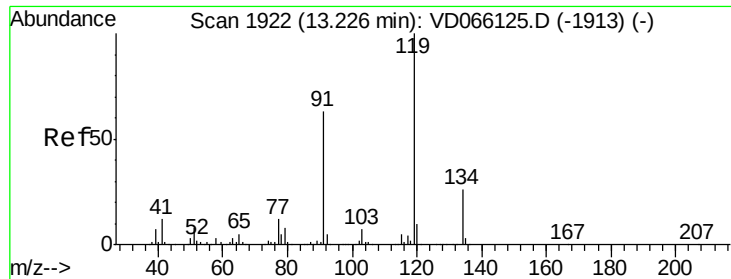
Tot Ion: 75 Resp: 44888
Ion Ratio Lower Upper
75 100
53 92.3 73.4 110.2
89 47.3 36.6 55.0



#82
4-Chlorotoluene
Concen: 53.395 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 91 Resp: 542229
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.3

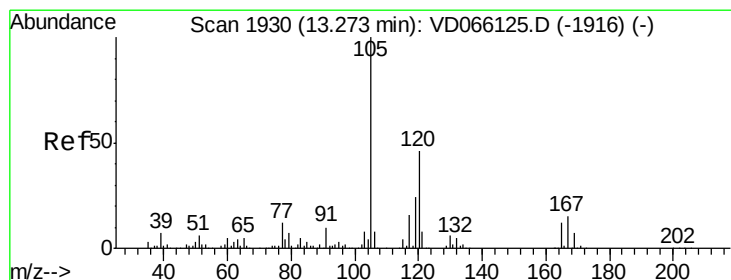
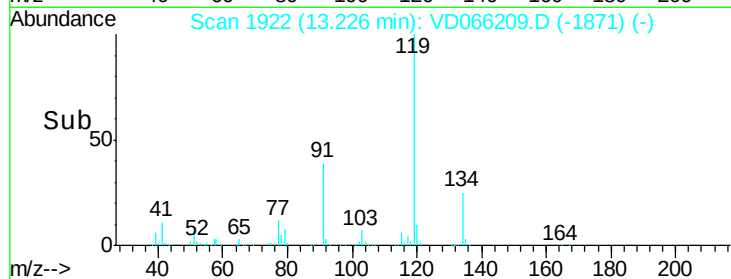
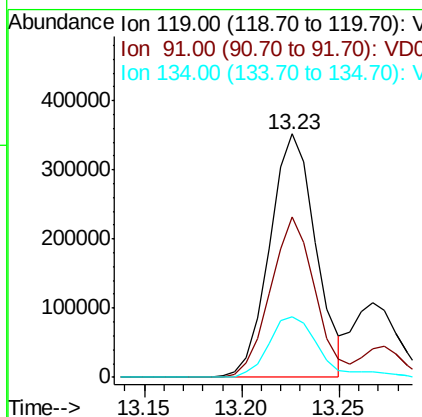
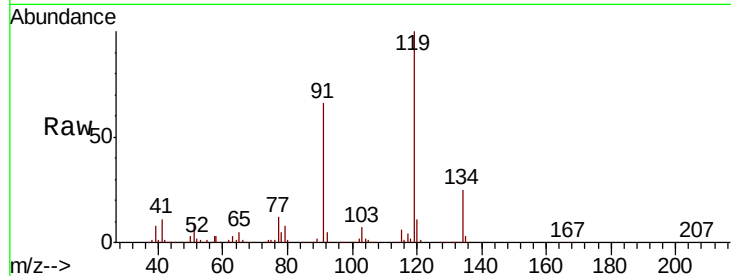




#83
 tert-Butylbenzene
 Concen: 54.081 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

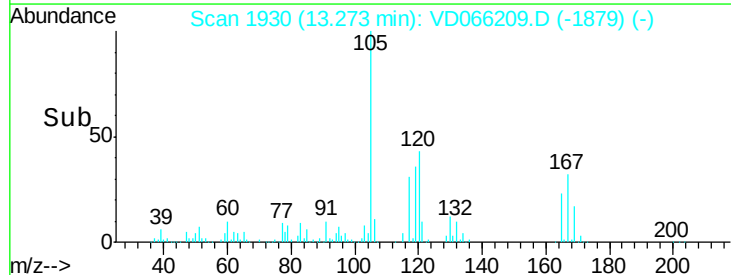
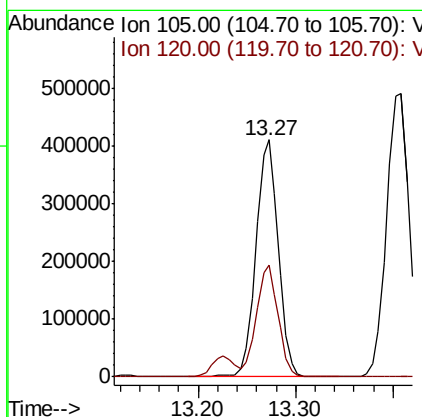
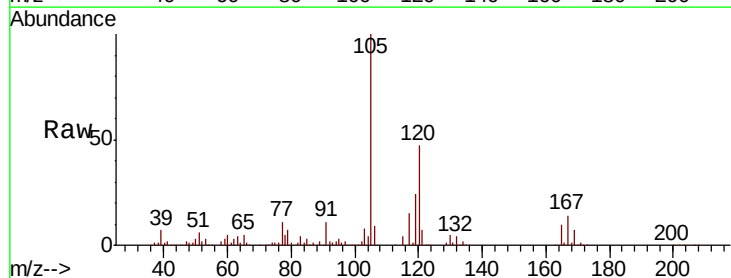
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

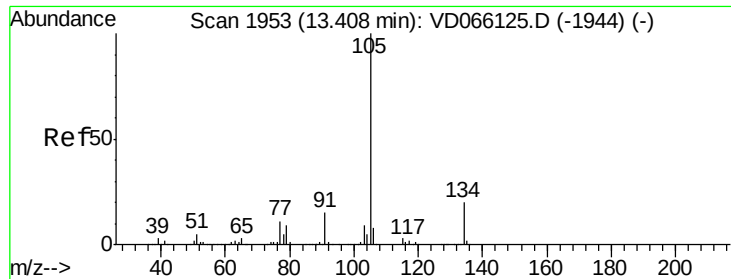
Tot Ion:119 Resp: 575531
 Ion Ratio Lower Upper
 119 100
 91 64.0 30.8 92.4
 134 27.8 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.692 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion:105 Resp: 662337
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 55.363 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

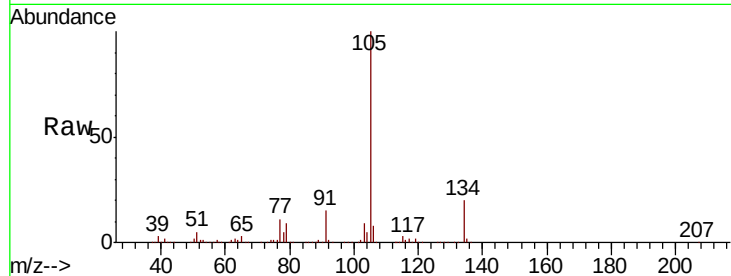
VSTDCCC050

Tot Ion:105 Resp: 795469

Ion Ratio Lower Upper

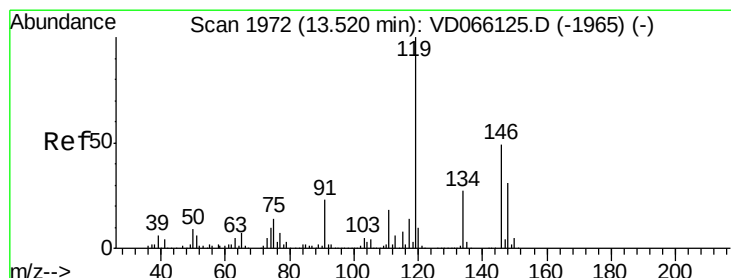
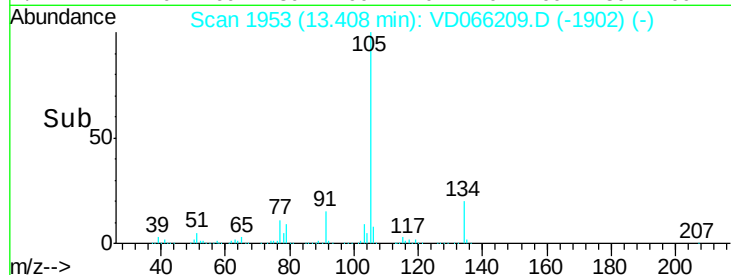
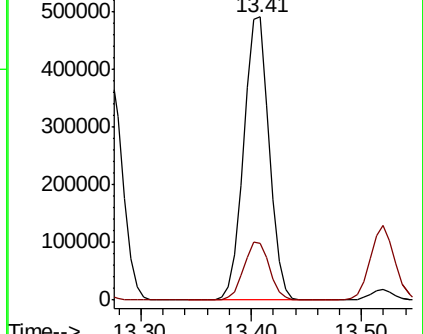
105 100

134 20.8 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: 55.433 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

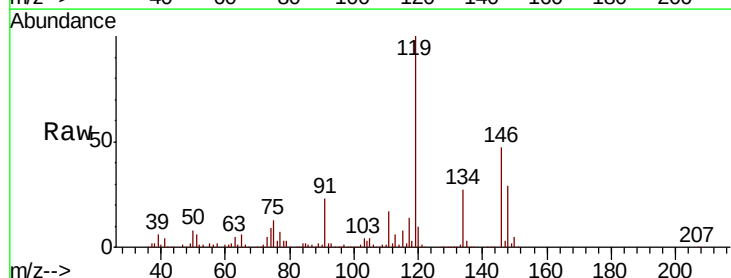
Tgt Ion:119 Resp: 747017

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

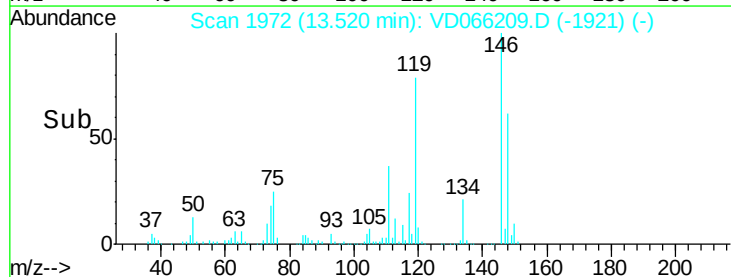
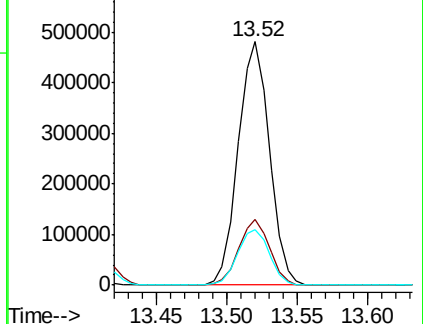
91 23.1 11.2 33.5

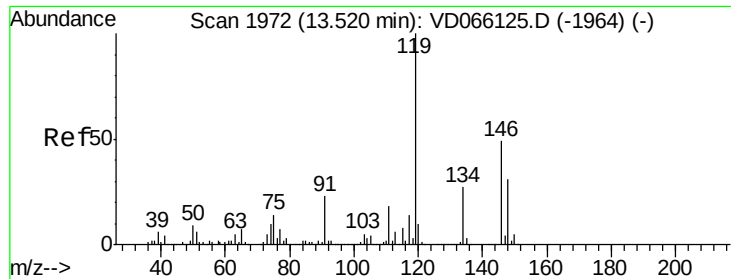


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

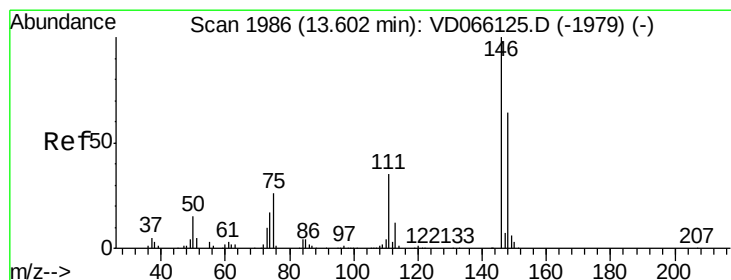
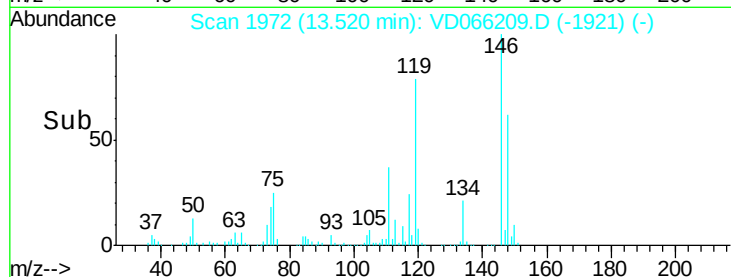
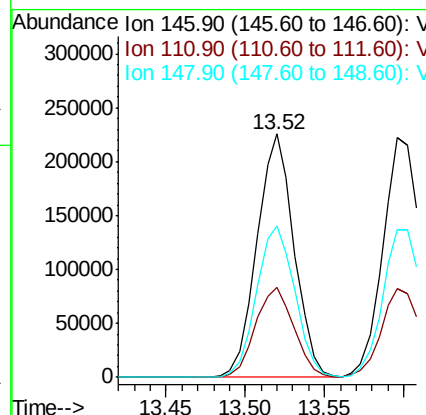
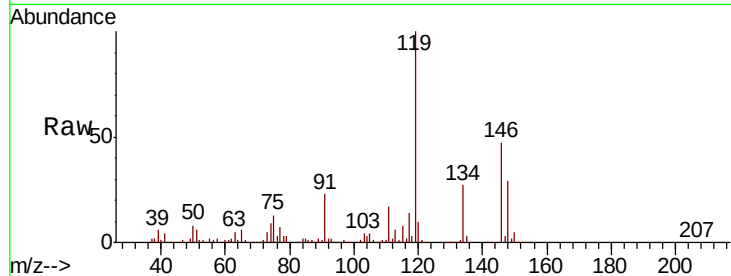




#87
 1,3-Dichlorobenzene
 Concen: 52.347 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

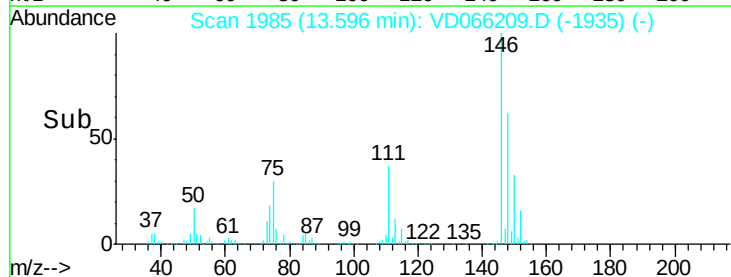
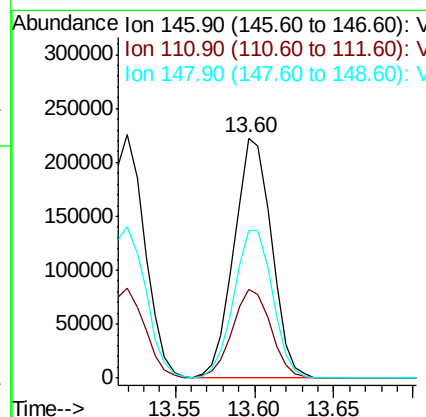
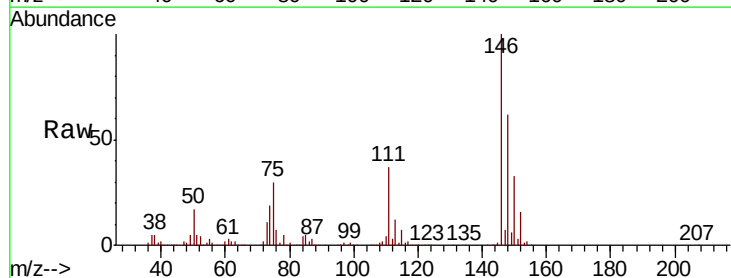
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

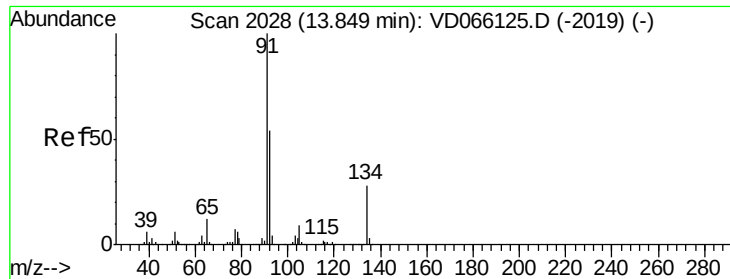
Tot Ion:146 Resp: 366452
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.9
 148 64.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.509 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion:146 Resp: 366592
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 63.8 32.4 97.0

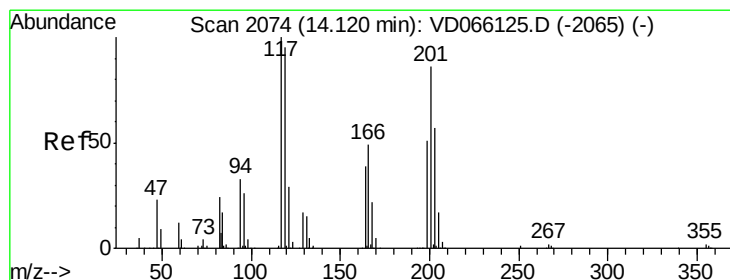
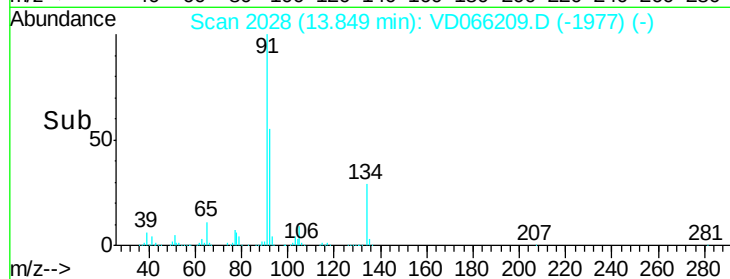
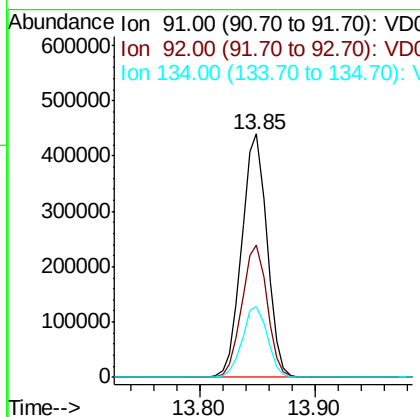
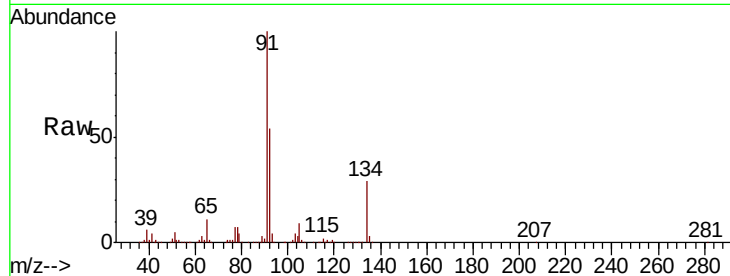




#89
n-Butylbenzene
Concen: 55.378 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

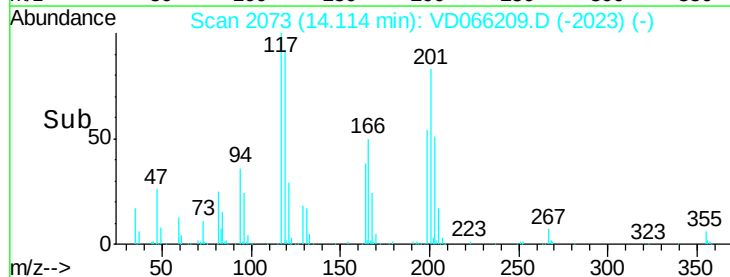
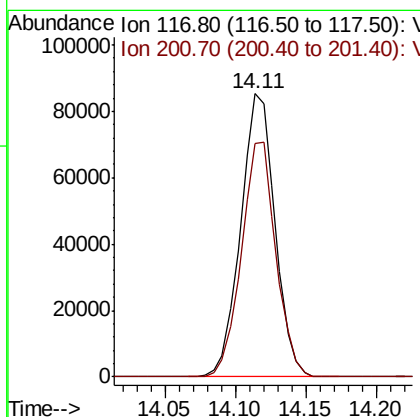
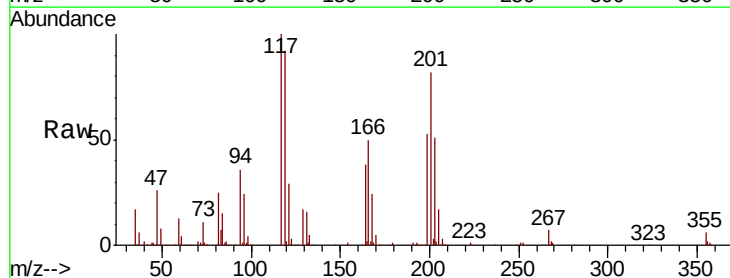
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

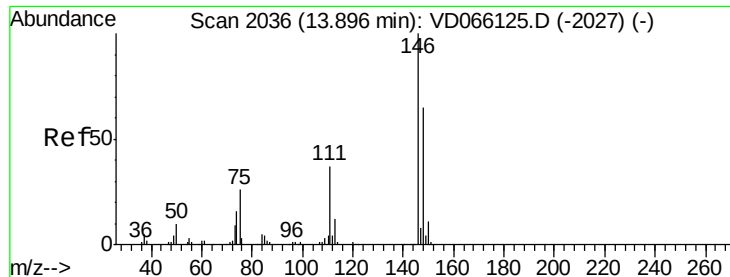
Tot Ion: 91 Resp: 668636
Ion Ratio Lower Upper
91 100
92 54.6 26.8 80.3
134 29.0 14.0 41.9



#90
Hexachloroethane
Concen: 53.921 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 117 Resp: 144922
Ion Ratio Lower Upper
117 100
201 83.1 42.7 128.1

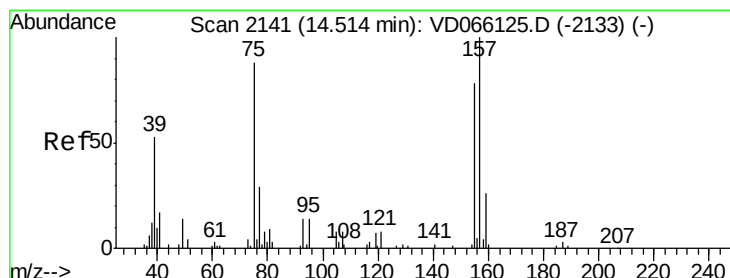
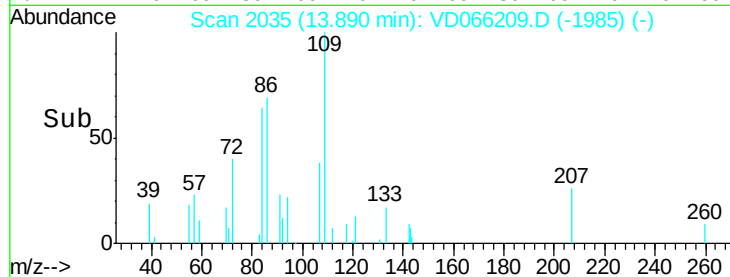
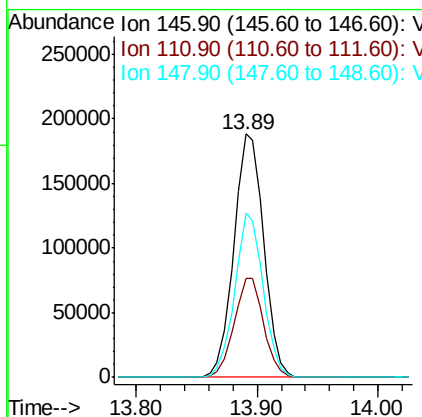
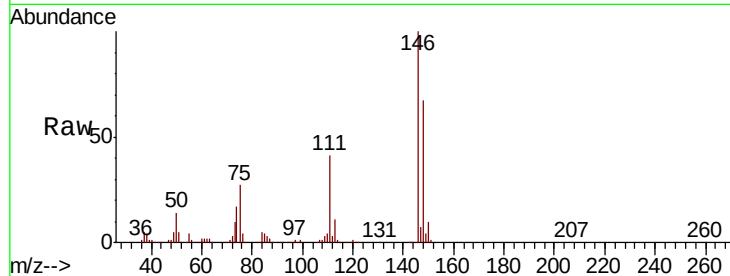




#91
 1,2-Dichlorobenzene
 Concen: 52.477 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

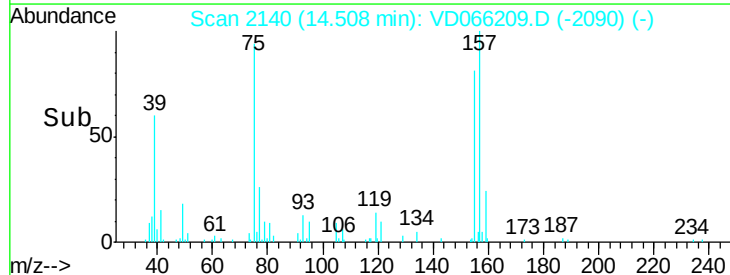
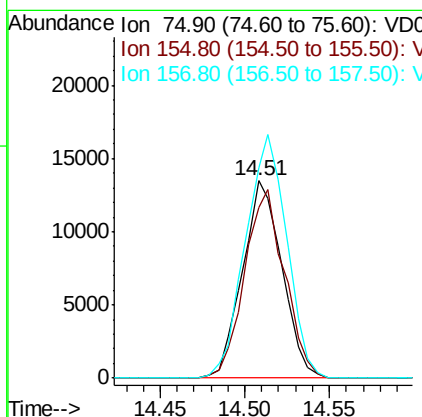
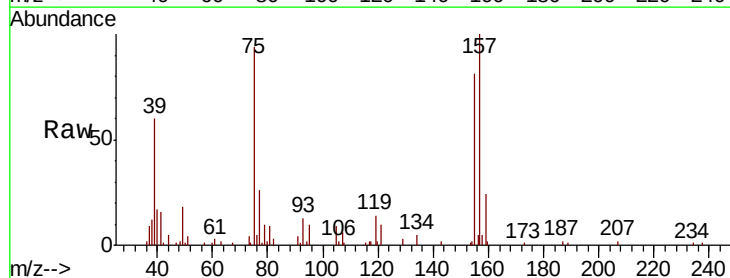
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

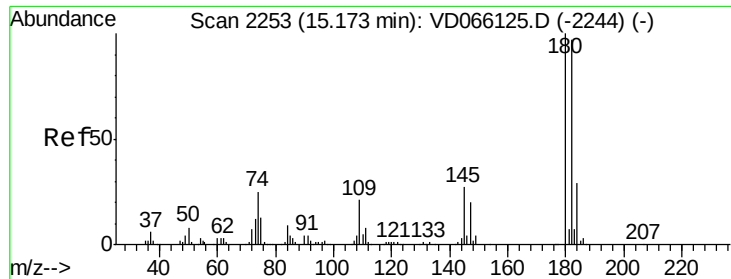
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.8	56.3
148	64.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.786 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	47.7	143.1
157	128.5	62.1	186.2

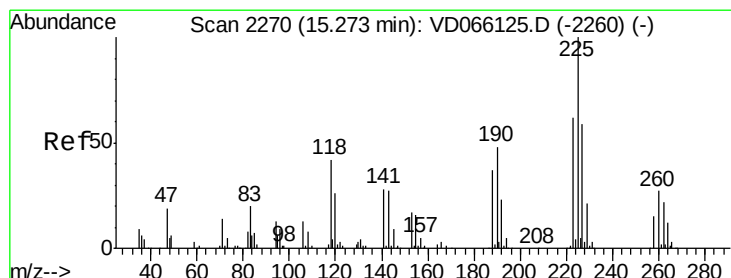
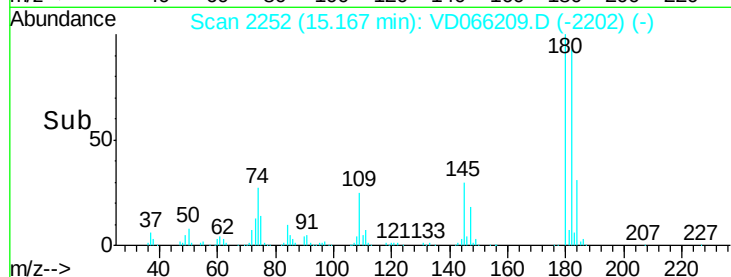
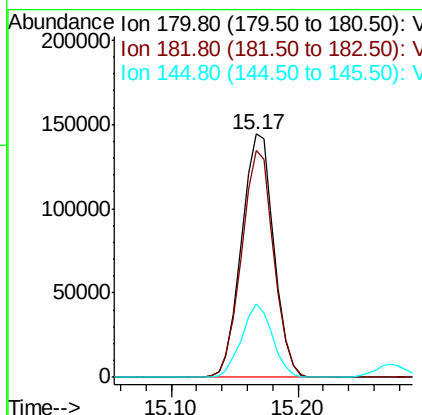
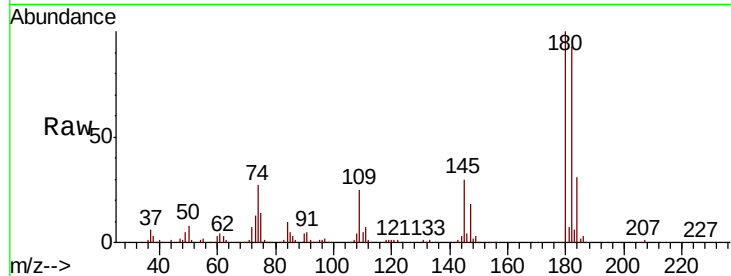




#93
 1,2,4-Trichlorobenzene
 Concen: 55.986 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

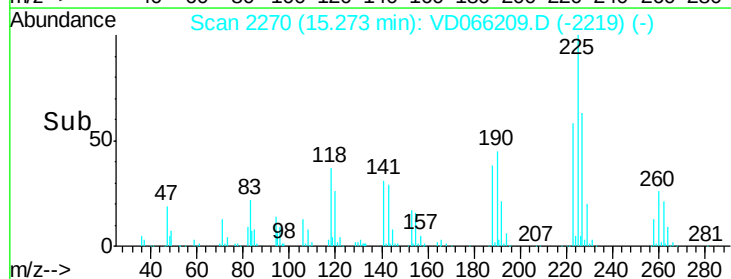
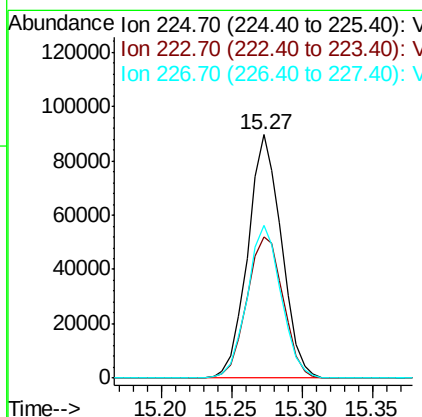
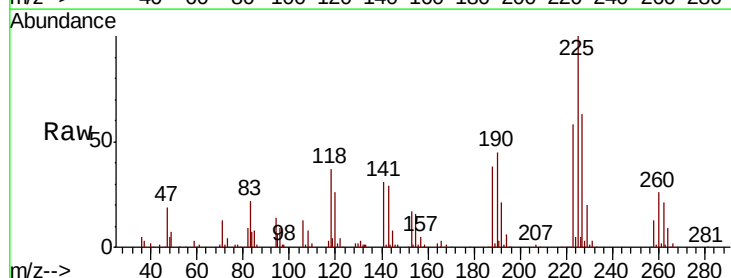
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

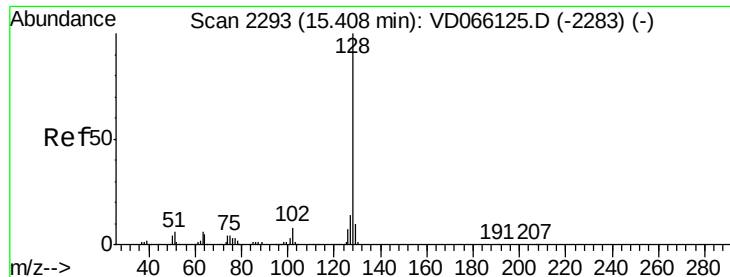
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.4	142.2
145	28.8	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 55.752 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.3	96.9
227	63.5	32.1	96.5

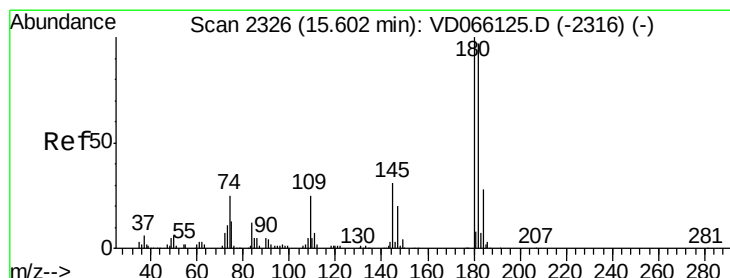
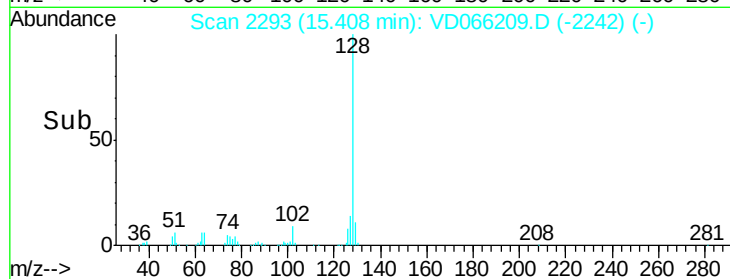
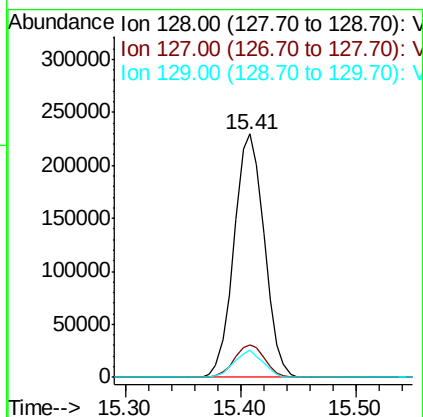
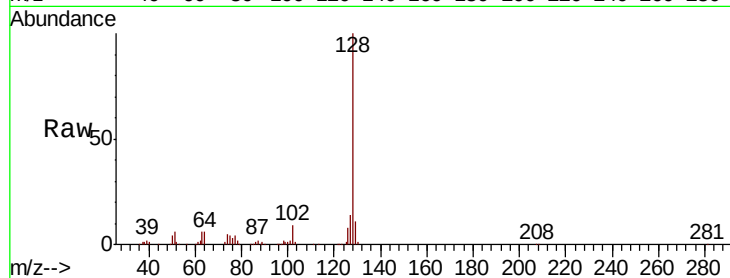




#95
Naphthalene
Concen: 56.025 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 416497
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.4
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.712 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion:180 Resp: 216329
Ion Ratio Lower Upper
180 100
182 95.8 47.1 141.4
145 31.6 14.9 44.9

