

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067225.D
 Acq On : 12 Oct 2020 10:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 13 00:14:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	386517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	557883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172783	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	7.91	113	193958	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.34	98	687786	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.64	95	237399	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173642	56.444	ug/l	96
3) Chloromethane	2.21	50	127353	41.373	ug/l	93
4) Vinyl Chloride	2.35	62	139442	45.179	ug/l	100
5) Bromomethane	2.77	94	101723	51.239	ug/l	98
6) Chloroethane	2.91	64	84250	44.823	ug/l	99
7) Trichlorofluoromethane	3.27	101	340001	49.582	ug/l	96
8) Diethyl Ether	3.71	74	81775	48.090	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	193182	49.842	ug/l	98
10) Methyl Iodide	4.30	142	190400	50.557	ug/l	99
11) Tert butyl alcohol	5.23	59	51149	230.672	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	173751	47.687	ug/l	97
13) Acrolein	3.93	56	57992	232.633	ug/l	99
14) Allyl chloride	4.71	41	208764	44.105	ug/l	93
15) Acrylonitrile	5.42	53	141432	225.984	ug/l	98
16) Acetone	4.16	43	155263	273.204	ug/l	98
17) Carbon Disulfide	4.41	76	494684	44.240	ug/l	99
18) Methyl Acetate	4.71	43	64584	45.216	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	342196	51.447	ug/l	98
20) Methylene Chloride	4.96	84	194731	47.994	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	200814	48.429	ug/l	99
22) Diisopropyl ether	6.36	45	395022	45.713	ug/l #	93
23) Vinyl Acetate	6.30	43	1149302	234.706	ug/l	95
24) 1,1-Dichloroethane	6.26	63	310866	46.614	ug/l	99
25) 2-Butanone	7.21	43	176849	219.490	ug/l	96
26) 2,2-Dichloropropane	7.21	77	319600	56.588	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	215744	48.717	ug/l	99
28) Bromochloromethane	7.54	49	111438	43.269	ug/l	82
29) Tetrahydrofuran	7.56	42	101288	218.630	ug/l	92
30) Chloroform	7.71	83	355440	49.132	ug/l	96
31) Cyclohexane	7.98	56	242286	43.335	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	351489	52.425	ug/l	97
36) 1,1-Dichloropropene	8.11	75	274631	52.813	ug/l	98
37) Ethyl Acetate	7.29	43	81481	45.231	ug/l	97
38) Carbon Tetrachloride	8.10	117	328641	58.410	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	295022	53.662	ug/l	97
40) Benzene	8.35	78	739798	51.220	ug/l	97
41) Methacrylonitrile	7.52	41	58591	60.203	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	217243	53.827	ug/l	97
43) Isopropyl Acetate	8.45	43	160521	48.369	ug/l	97
44) Trichloroethene	9.11	130	234767	54.433	ug/l	97
45) 1,2-Dichloropropane	9.39	63	172297	50.770	ug/l	95
46) Dibromomethane	9.48	93	102760	52.683	ug/l	96
47) Bromodichloromethane	9.66	83	275567	54.350	ug/l	99
48) Methyl methacrylate	9.46	41	76304	44.879	ug/l #	73
49) 1,4-Dioxane	9.46	88	21009	1032.018	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	404207	244.526	ug/l	97
52) Toluene	10.40	92	501831	53.936	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	248524	54.844	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	291497	52.679	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	144224	53.184	ug/l	96
56) Ethyl methacrylate	10.66	69	156840	56.019	ug/l	97
57) 1,3-Dichloropropane	10.95	76	227981	51.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	421858	270.715	ug/l	96
59) 2-Hexanone	10.98	43	287912	260.957	ug/l	94
60) Dibromochloromethane	11.14	129	199916	55.311	ug/l	97
61) 1,2-Dibromoethane	11.25	107	142101	54.543	ug/l	100
64) Tetrachloroethene	10.88	164	199686	54.229	ug/l	94
65) Chlorobenzene	11.67	112	543418	53.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	215359	56.202	ug/l	98
67) Ethyl Benzene	11.75	91	962936	55.789	ug/l	99
68) m/p-Xylenes	11.86	106	734282	109.162	ug/l	96
69) o-Xylene	12.18	106	338494	56.273	ug/l	96
70) Styrene	12.20	104	576763	55.839	ug/l	99
71) Bromoform	12.37	173	111950	56.283	ug/l #	100
73) Isopropylbenzene	12.48	105	954903	57.047	ug/l	100
74) N-amyl acetate	12.29	43	148024	49.192	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	140395	49.781	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	187459	87.301	ug/l #	100
77) Bromobenzene	12.77	156	224374	55.513	ug/l	95
78) n-propylbenzene	12.83	91	1103456	55.779	ug/l	100
79) 2-Chlorotoluene	12.91	91	617063	54.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	804644	56.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	45454	52.775	ug/l	99
82) 4-Chlorotoluene	13.01	91	656391	54.507	ug/l	100
83) tert-Butylbenzene	13.23	119	703886	59.104	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	800750	56.736	ug/l	99
85) sec-Butylbenzene	13.41	105	946358	56.427	ug/l	99
86) p-Isopropyltoluene	13.52	119	887666	57.089	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	421731	53.568	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	422657	53.691	ug/l	99
89) n-Butylbenzene	13.85	91	799972	56.295	ug/l	99
90) Hexachloroethane	14.12	117	148155	54.396	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	371817	54.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24497	53.884	ug/l	99

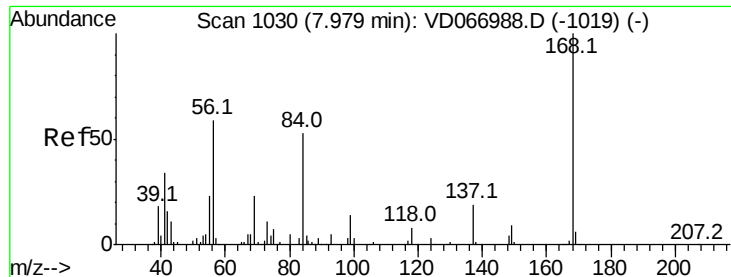
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QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	267266	60.095	ug/l	98
94) Hexachlorobutadiene	15.28	225	163664	59.922	ug/l	97
95) Naphthalene	15.41	128	445955	60.118	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	224279	58.093	ug/l	97

(#) = 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. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

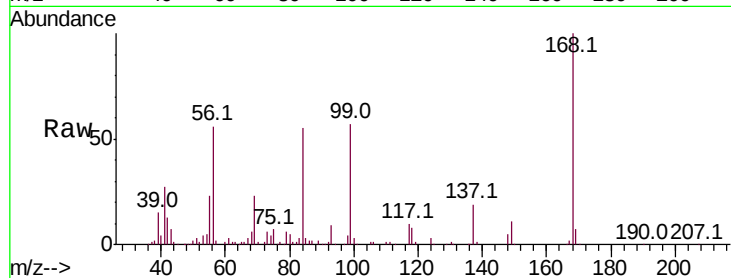
VSTDCCC050

Tot Ion:168 Resp: 386517

Ion Ratio Lower Upper

168 100

99 56.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

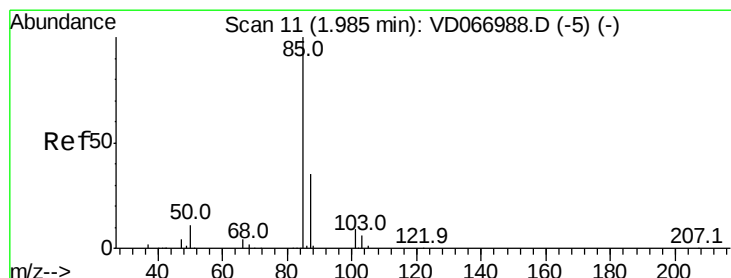
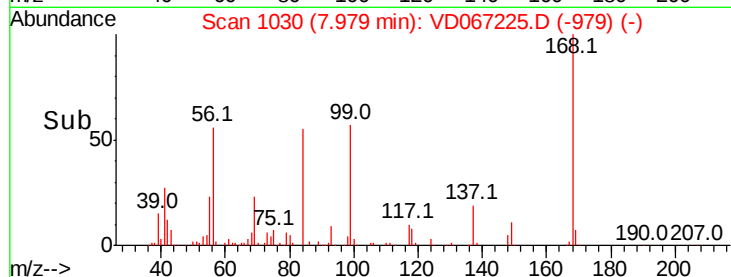
50000

0

7.85 7.90 7.95 8.00 8.05

7.98

Time-->



#2

Dichlorodifluoromethane

Concen: 56.444 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067225.D

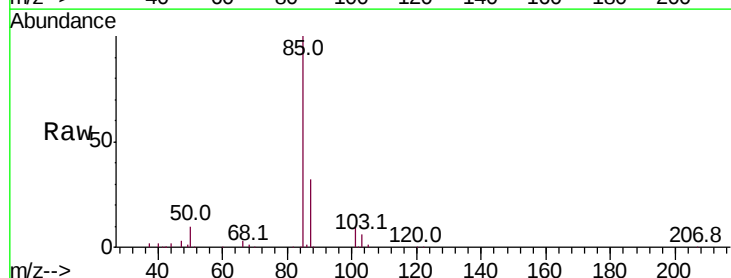
Acq: 12 Oct 2020 10:58

Tgt Ion: 85 Resp: 173642

Ion Ratio Lower Upper

85 100

87 32.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

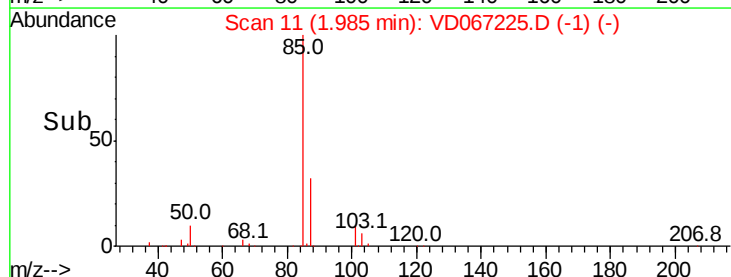
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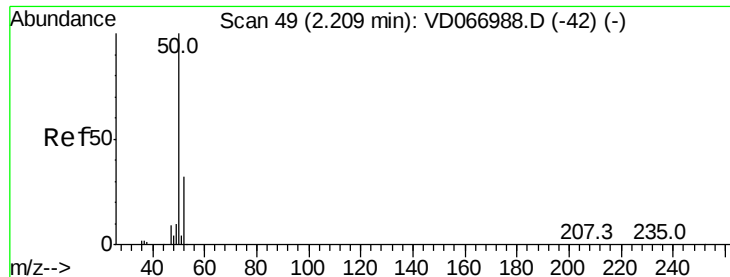
0

1.90 1.95 2.00 2.05 2.10

1.99

Time-->





#3

Chloromethane

Concen: 41.373 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

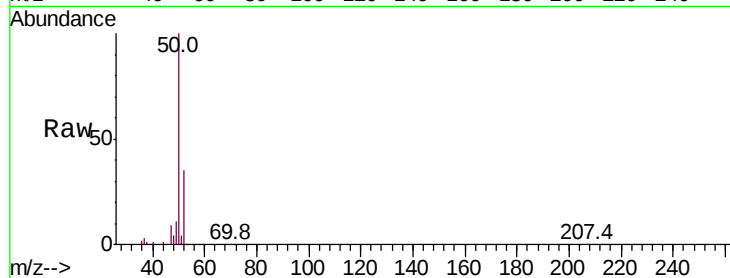
VSTDCCC050

Tot Ion: 50 Resp: 127353

Ion Ratio Lower Upper

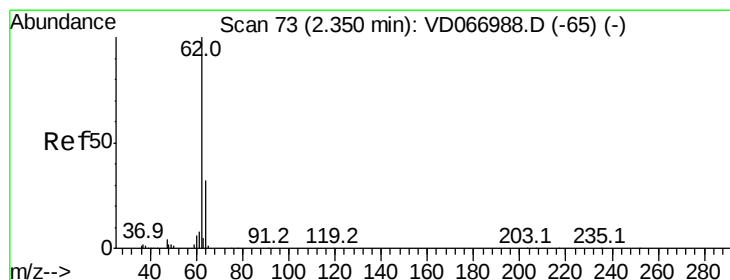
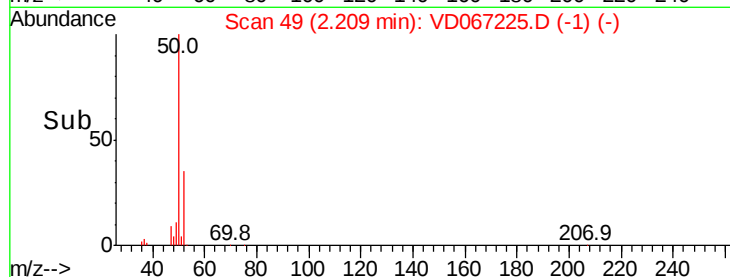
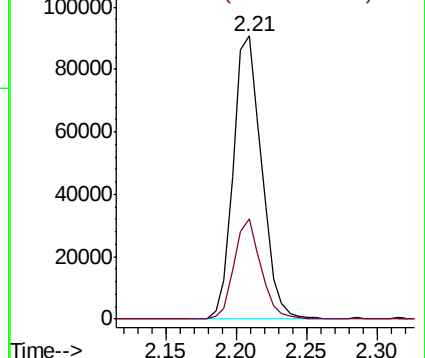
50 100

52 35.4 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.179 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067225.D

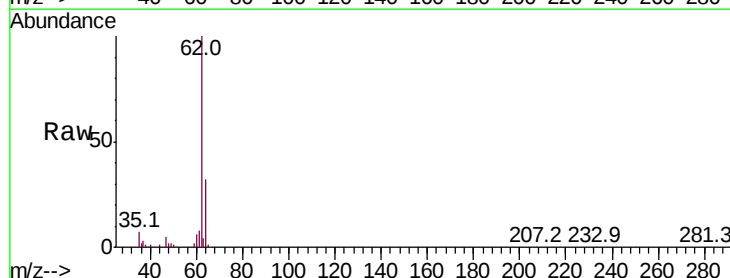
Acq: 12 Oct 2020 10:58

Tgt Ion: 62 Resp: 139442

Ion Ratio Lower Upper

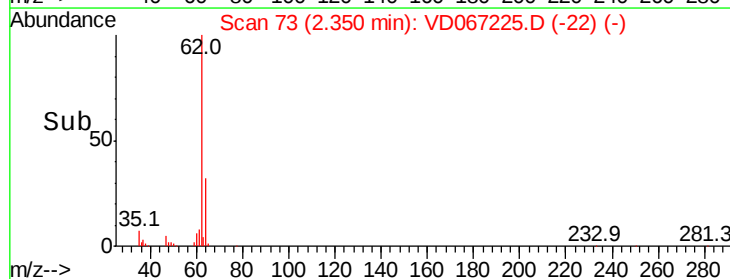
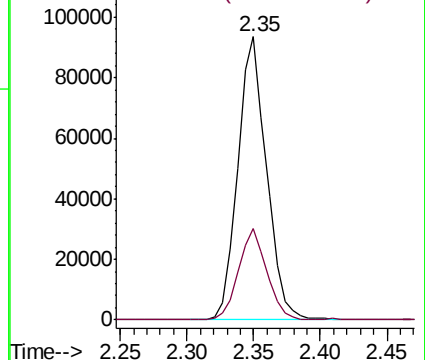
62 100

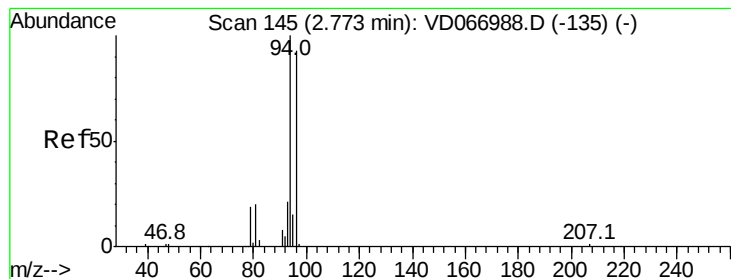
64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.239 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

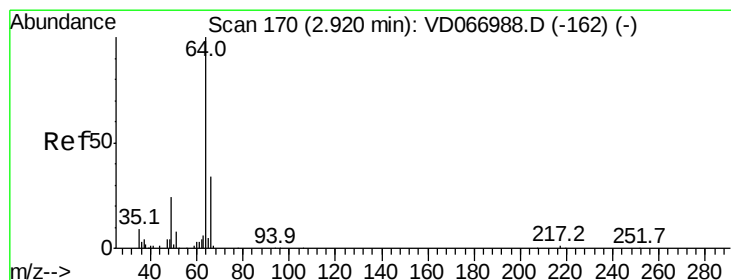
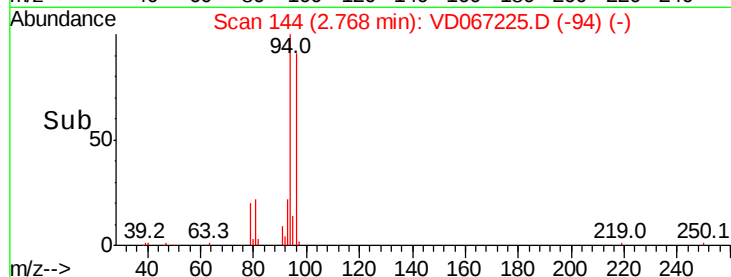
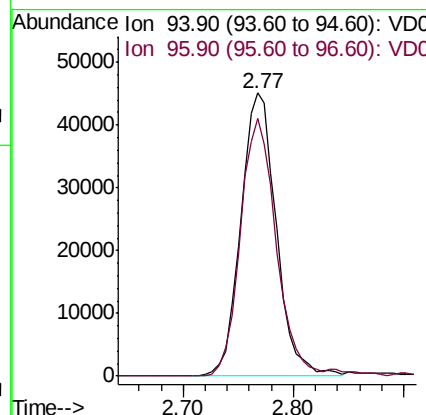
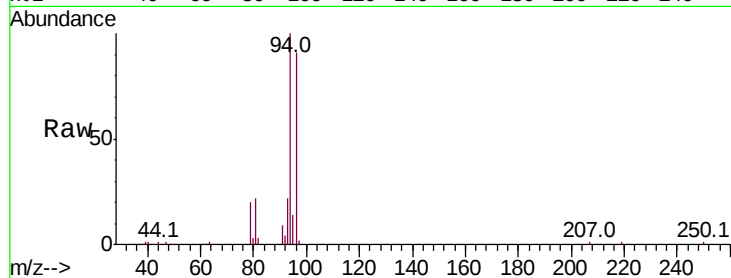
VSTDCCC050

Tot Ion: 94 Resp: 101723

Ion Ratio Lower Upper

94 100

96 91.2 74.6 112.0



#6

Chloroethane

Concen: 44.823 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067225.D

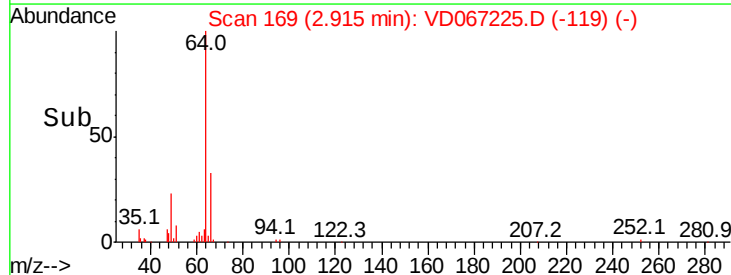
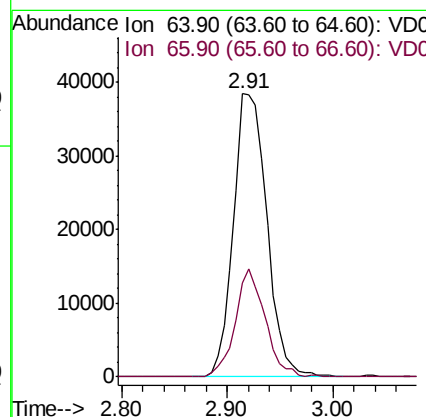
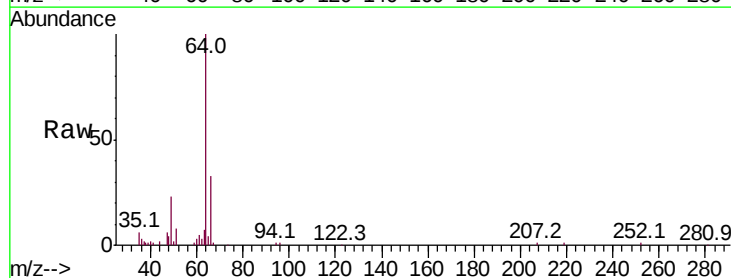
Acq: 12 Oct 2020 10:58

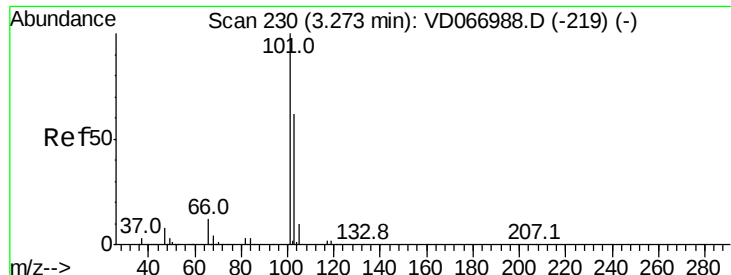
Tgt Ion: 64 Resp: 84250

Ion Ratio Lower Upper

64 100

66 33.1 27.0 40.6





#7

Trichlorofluoromethane

Concen: 49.582 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD067225.D

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ClientSampleId :

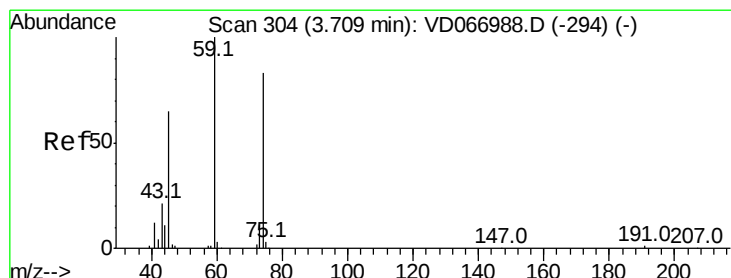
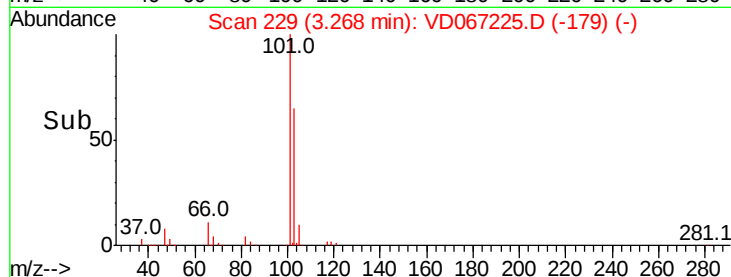
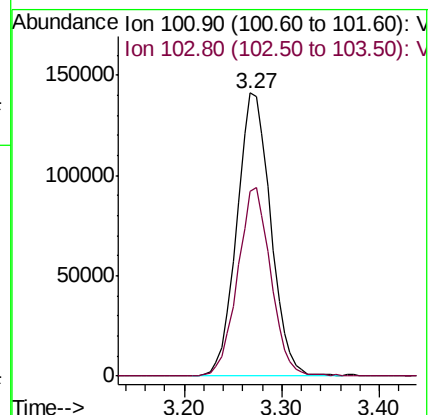
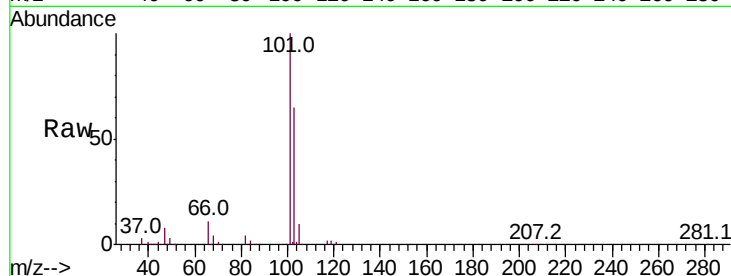
VSTDCCC050

Tot Ion:101 Resp: 340001

Ion Ratio Lower Upper

101 100

103 65.4 49.8 74.8



#8

Diethyl Ether

Concen: 48.090 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067225.D

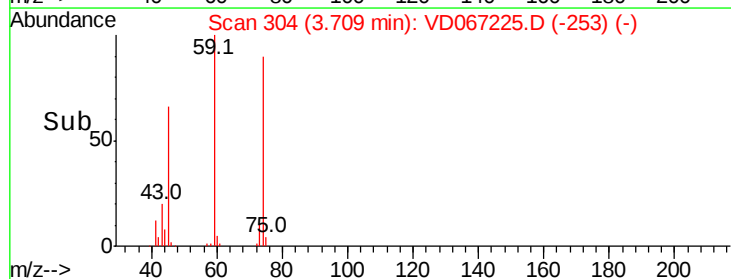
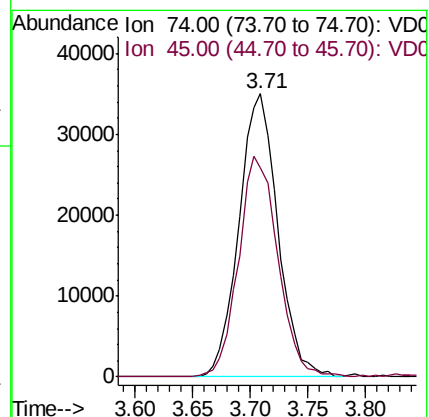
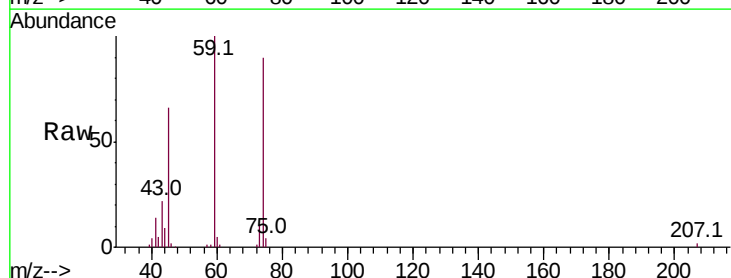
Acq: 12 Oct 2020 10:58

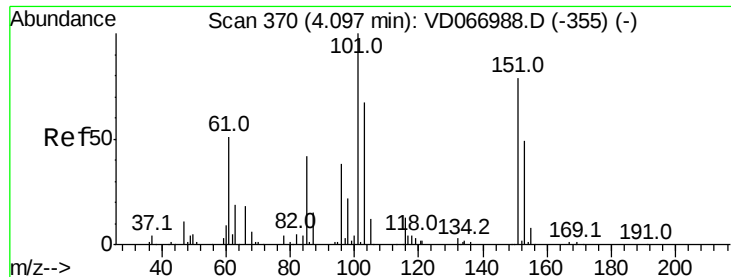
Tgt Ion: 74 Resp: 81775

Ion Ratio Lower Upper

74 100

45 78.9 43.1 129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.842 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

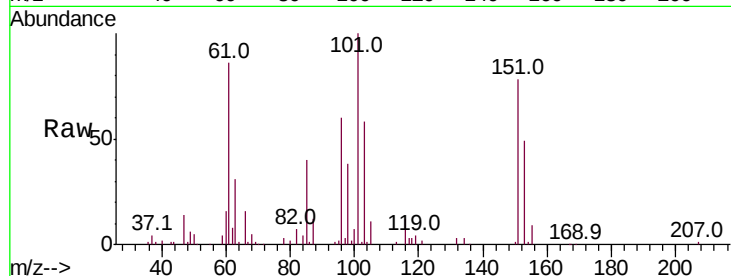
Tot Ion:101 Resp: 193182

Ion Ratio Lower Upper

101 100

85 43.1 33.8 50.8

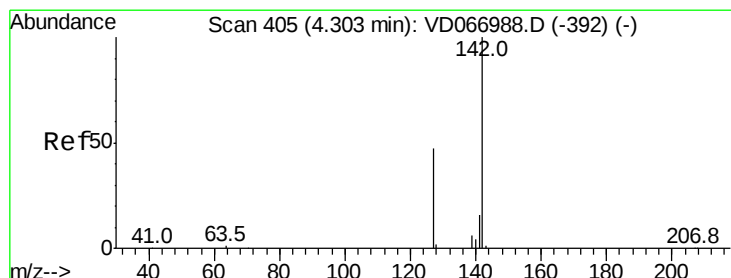
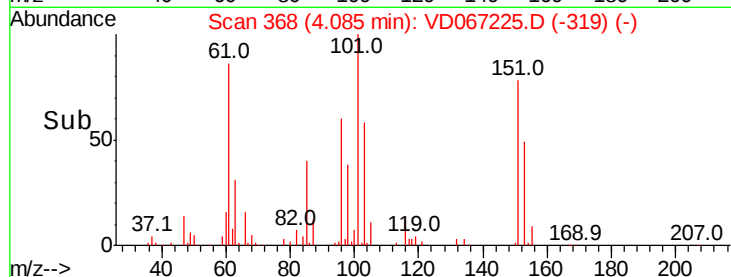
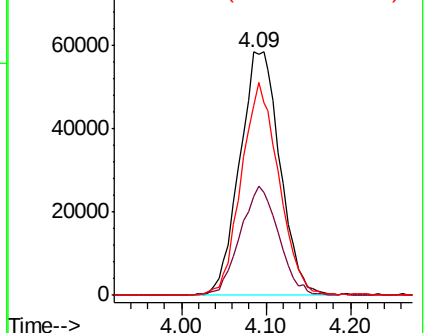
151 81.5 63.8 95.8



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: 50.557 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

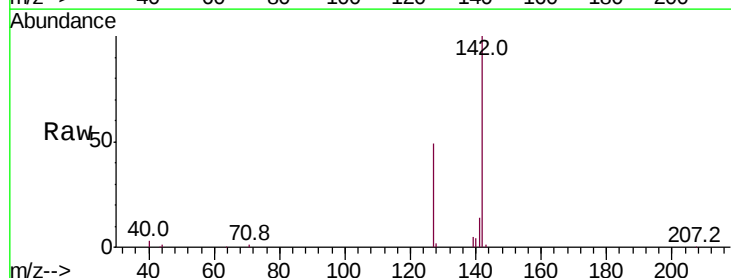
Tgt Ion:142 Resp: 190400

Ion Ratio Lower Upper

142 100

127 45.8 36.3 54.5

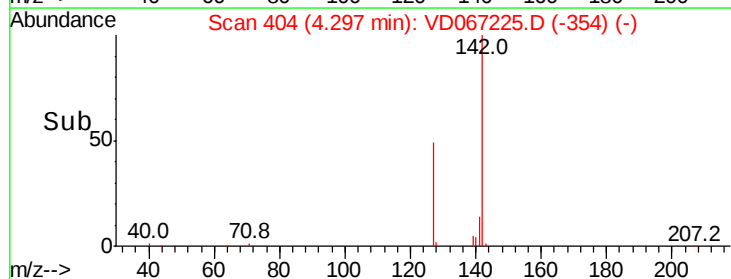
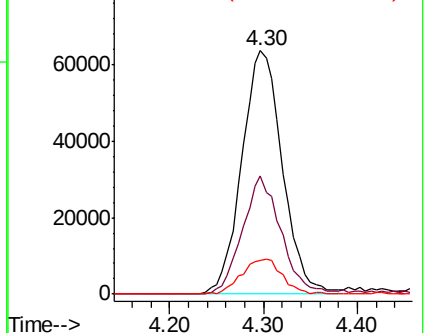
141 14.4 12.0 18.0

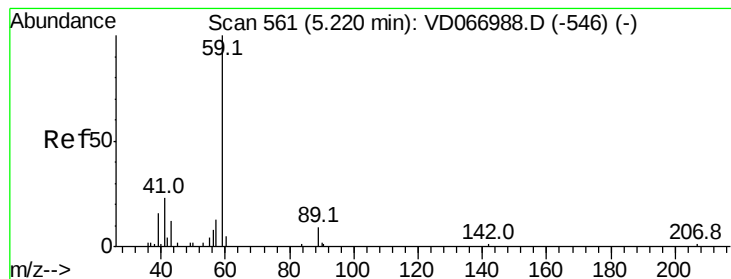


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 230.672 ug/l

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

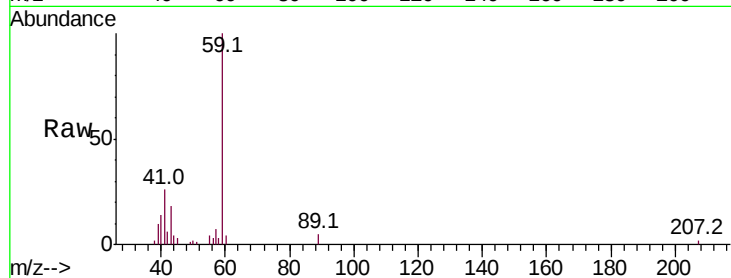
VSTDCCC050

Tot Ion: 59 Resp: 51149

Ion Ratio Lower Upper

59 100

57 6.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

15000

10000

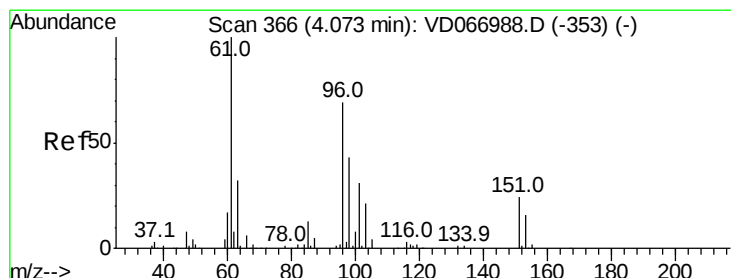
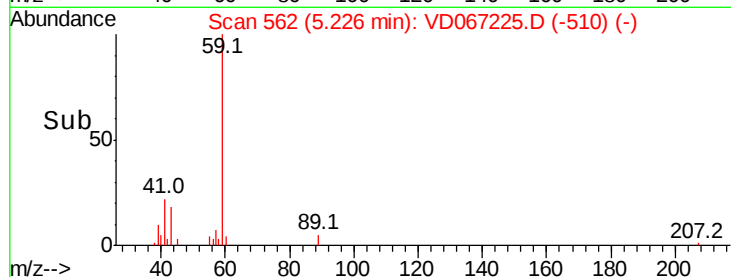
5000

0

Time-->

5.10 5.20 5.30

5.23



#12

1,1-Dichloroethene

Concen: 47.687 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

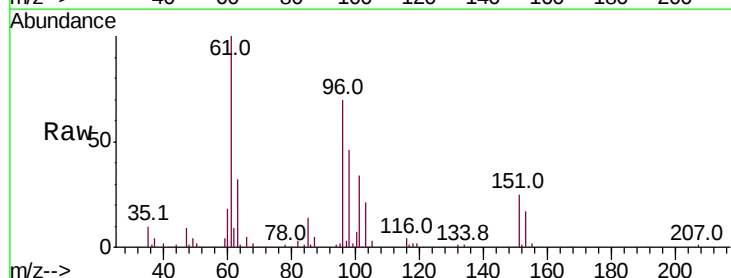
Tgt Ion: 96 Resp: 173751

Ion Ratio Lower Upper

96 100

61 142.4 116.4 174.6

98 65.9 49.9 74.9



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

120000

100000

80000

60000

40000

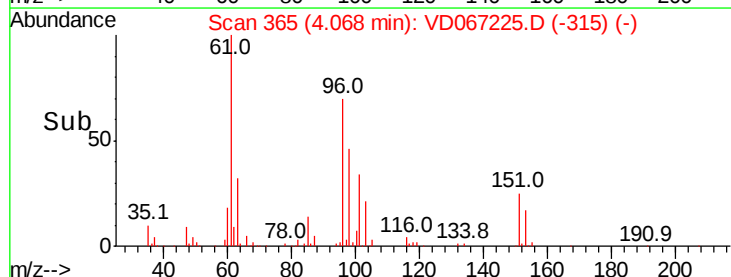
20000

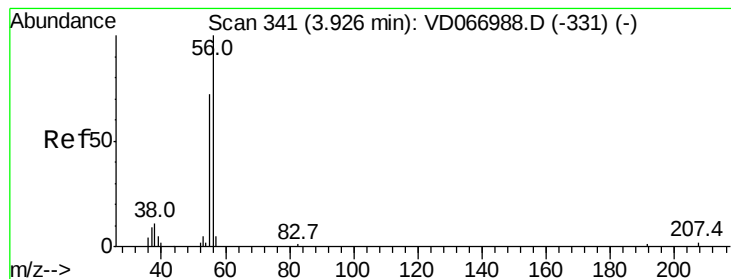
0

Time-->

4.00 4.10 4.20

4.07





#13

Acrolein

Concen: 232.633 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

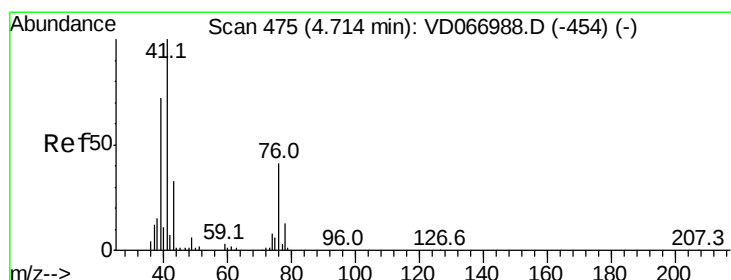
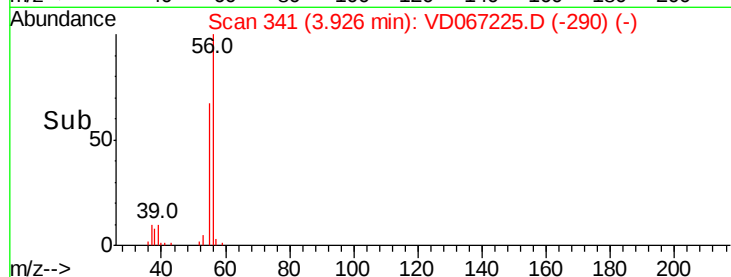
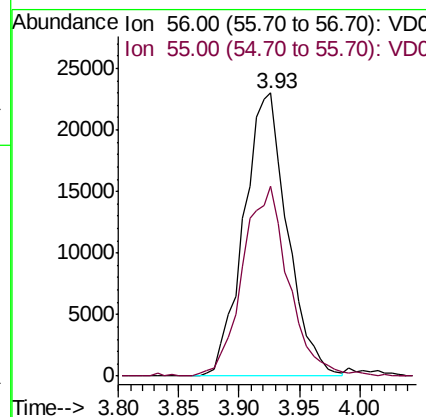
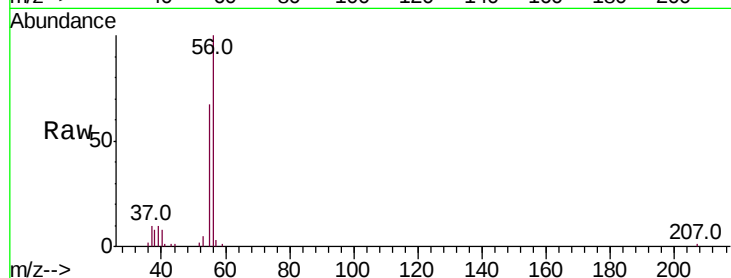
VSTDCCC050

Tot Ion: 56 Resp: 57992

Ion Ratio Lower Upper

56 100

55 70.7 56.9 85.3



#14

Allyl chloride

Concen: 44.105 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

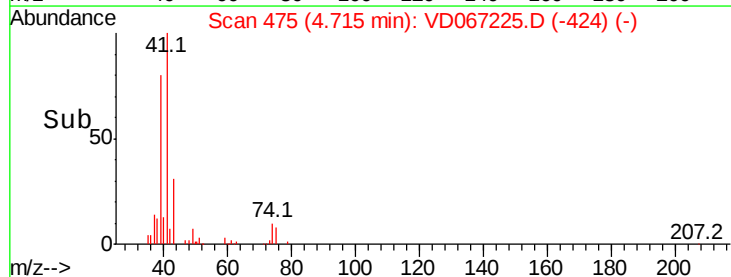
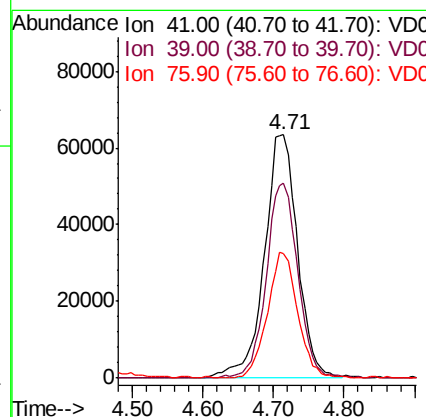
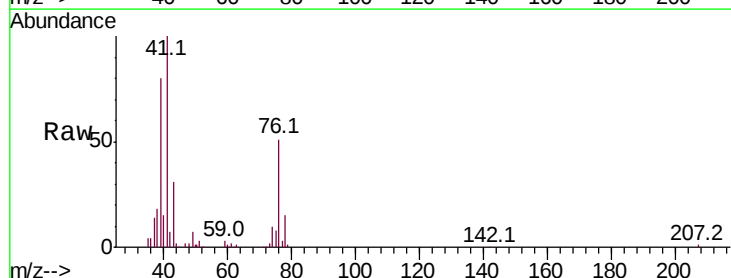
Tgt Ion: 41 Resp: 208764

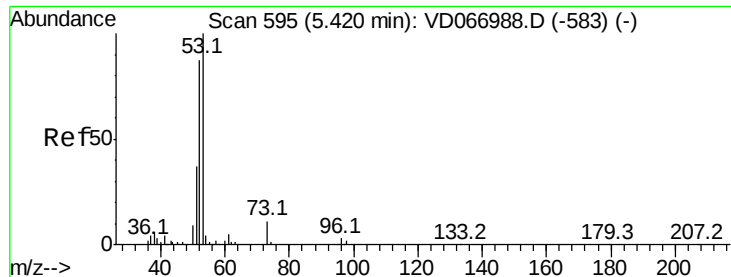
Ion Ratio Lower Upper

41 100

39 76.6 56.2 84.2

76 46.7 34.2 51.2





#15

Acrylonitrile

Concen: 225.984 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

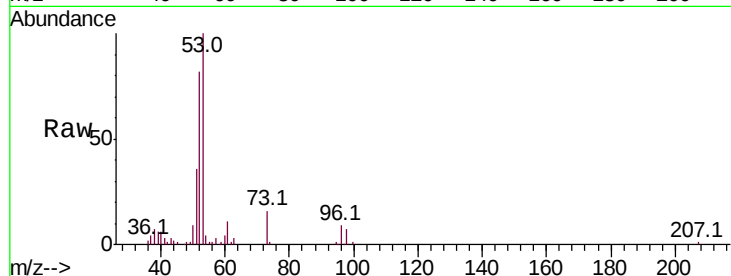
Tot Ion: 53 Resp: 141432

Ion Ratio Lower Upper

53 100

52 81.1 67.3 100.9

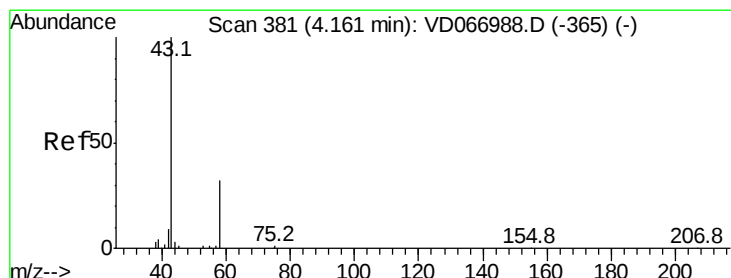
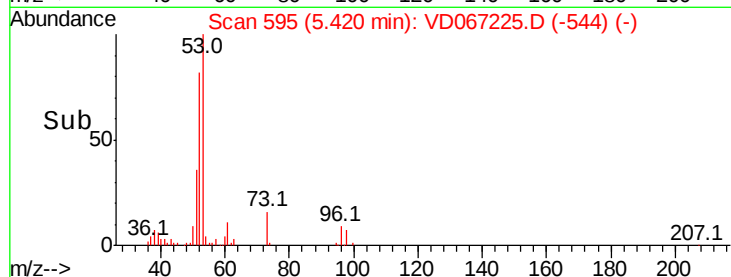
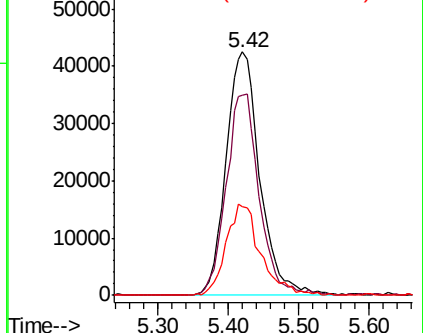
51 38.1 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 273.204 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067225.D

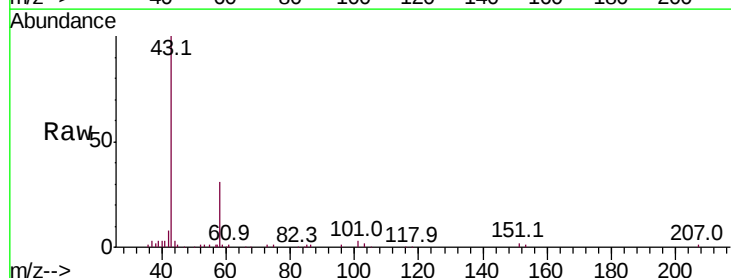
Acq: 12 Oct 2020 10:58

Tgt Ion: 43 Resp: 155263

Ion Ratio Lower Upper

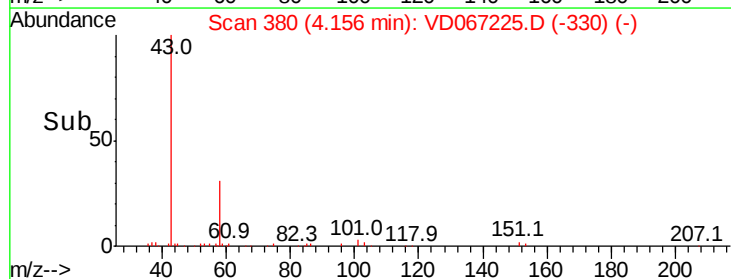
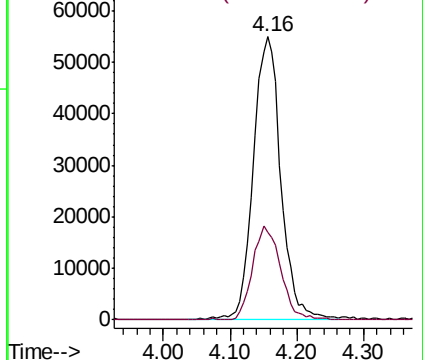
43 100

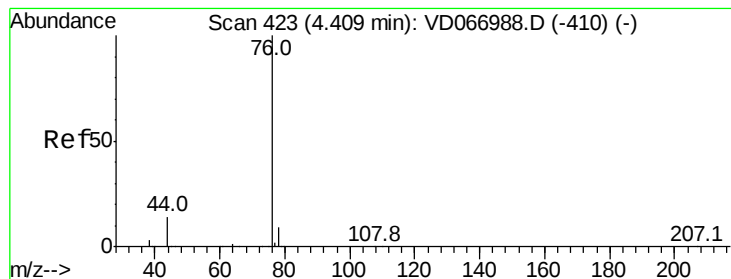
58 31.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 44.240 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

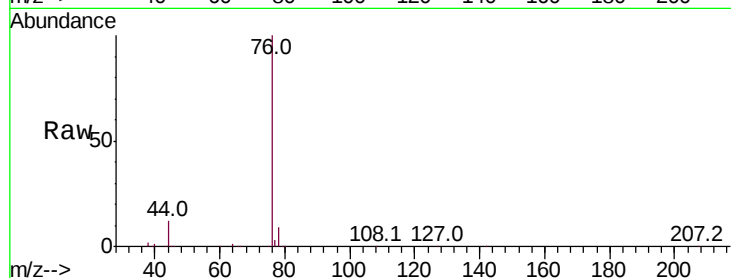
VSTDCCC050

Tot Ion: 76 Resp: 494684

Ion Ratio Lower Upper

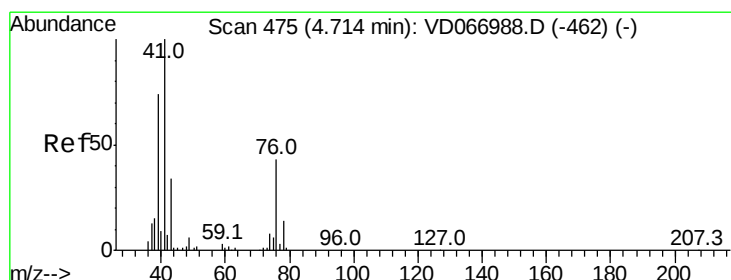
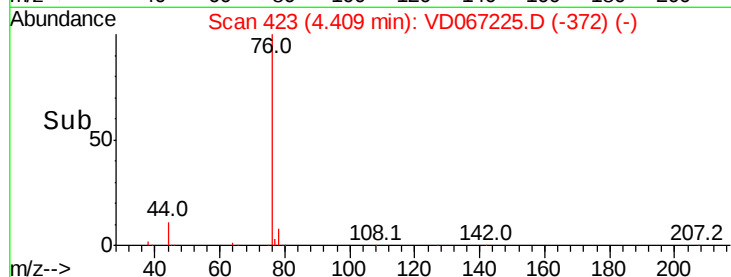
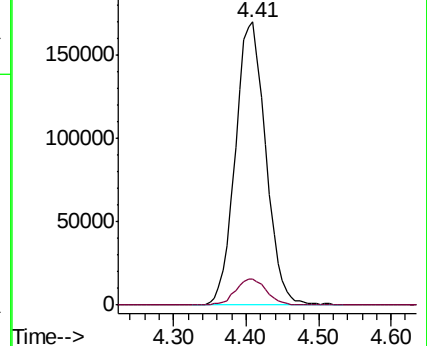
76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.216 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067225.D

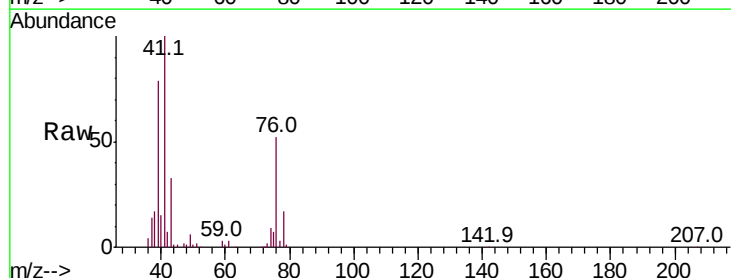
Acq: 12 Oct 2020 10:58

Tgt Ion: 43 Resp: 64584

Ion Ratio Lower Upper

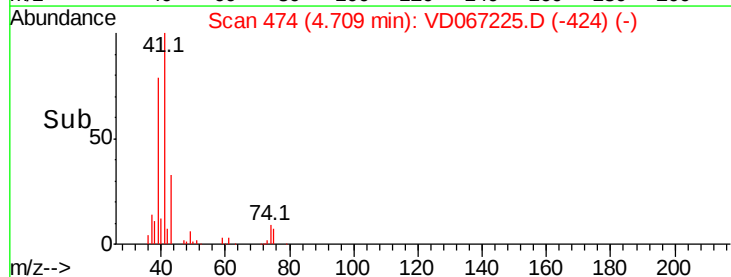
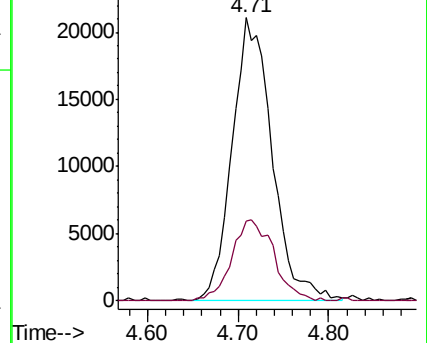
43 100

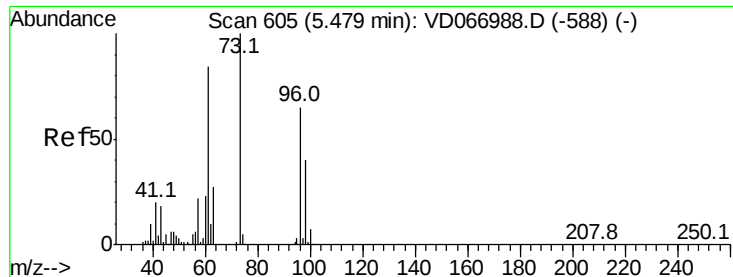
74 30.2 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



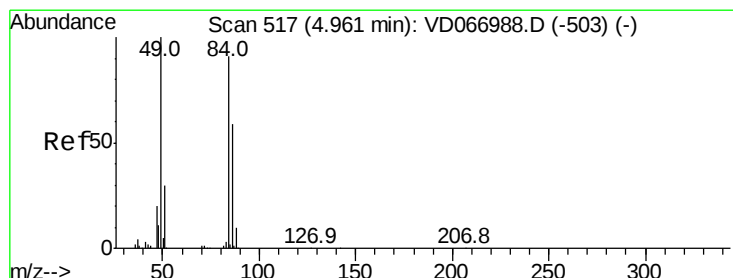
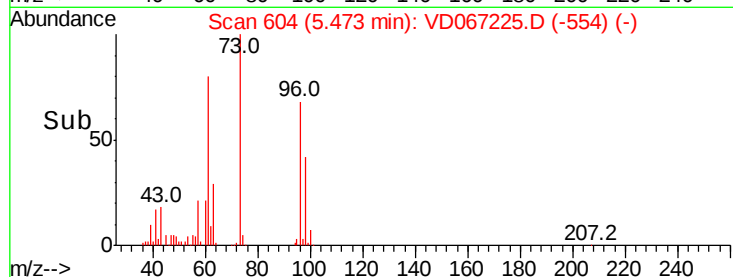
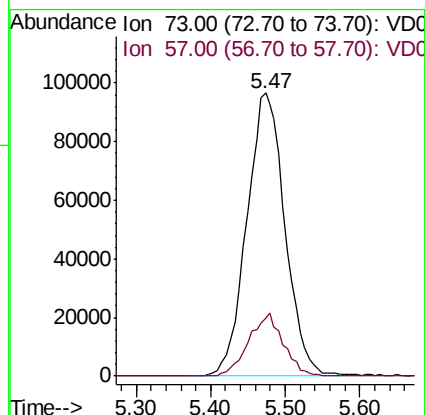
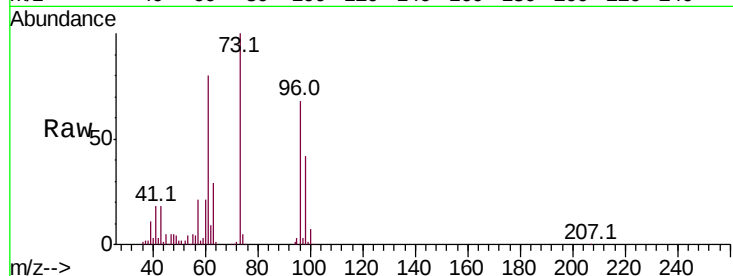


#19

Methyl tert-butyl Ether
 Concen: 51.447 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

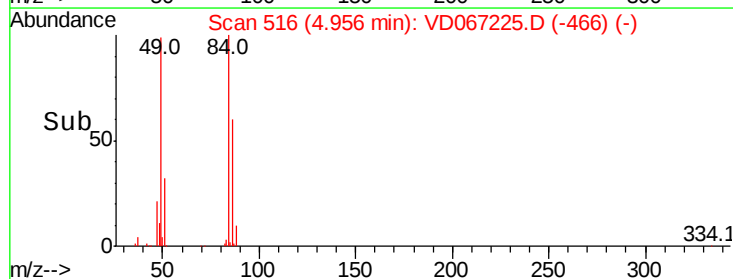
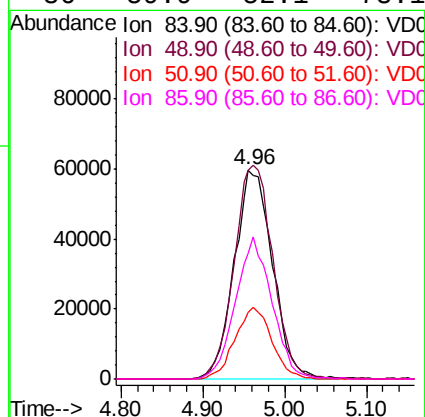
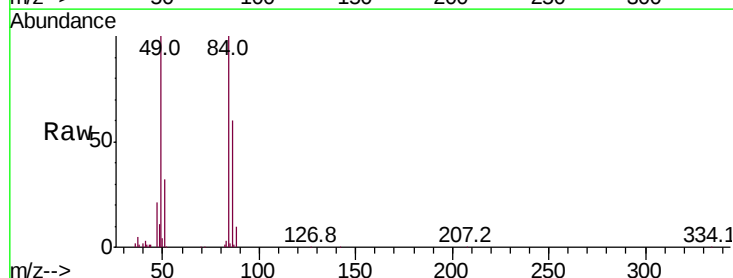
Tot Ion: 73 Resp: 342196
 Ion Ratio Lower Upper
 73 100
 57 20.7 17.4 26.0

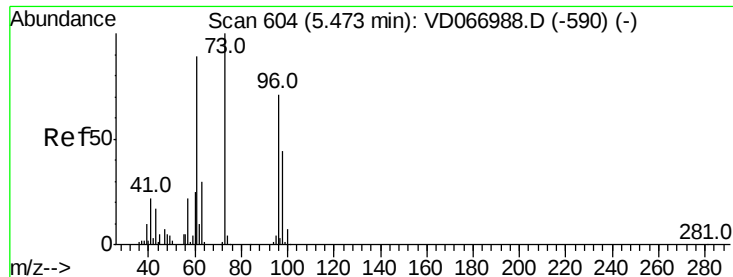


#20

Methylene Chloride
 Concen: 47.994 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion: 84 Resp: 194731
 Ion Ratio Lower Upper
 84 100
 49 99.8 88.2 132.2
 51 32.1 26.6 39.8
 86 59.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.429 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

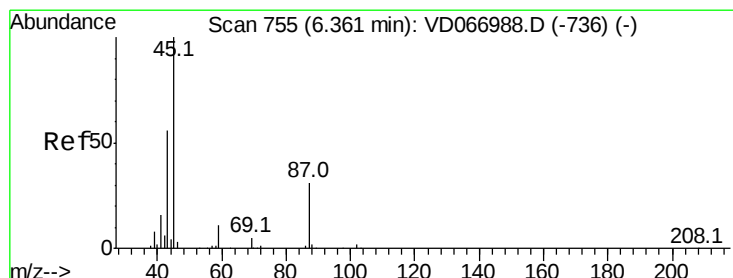
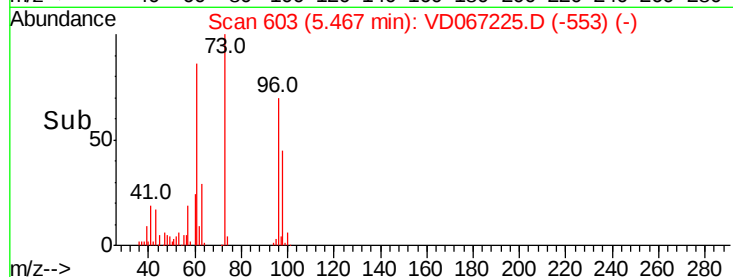
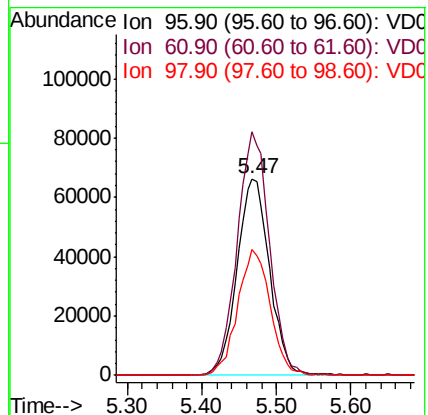
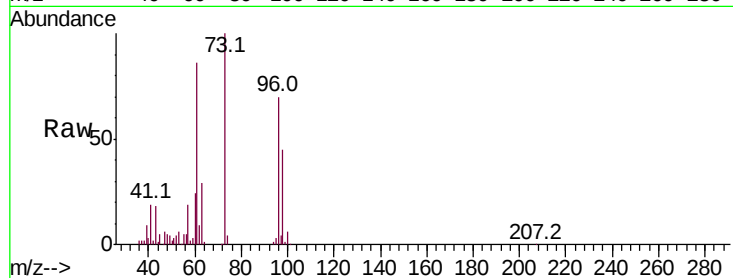
Tot Ion: 96 Resp: 200814

Ion Ratio Lower Upper

96 100

61 123.9 99.6 149.4

98 64.0 49.4 74.2



#22

Diisopropyl ether

Concen: 45.713 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion: 45 Resp: 395022

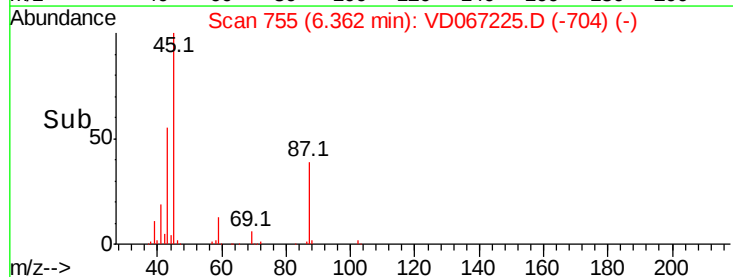
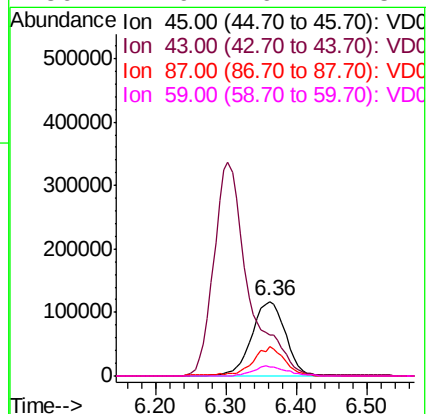
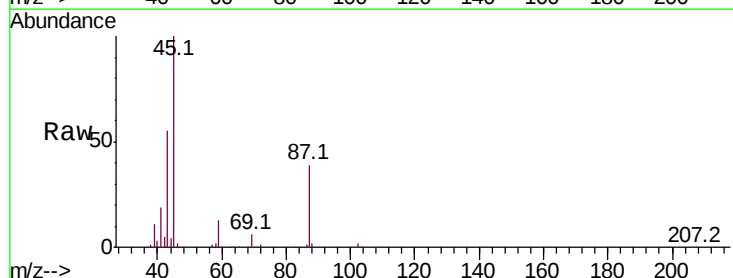
Ion Ratio Lower Upper

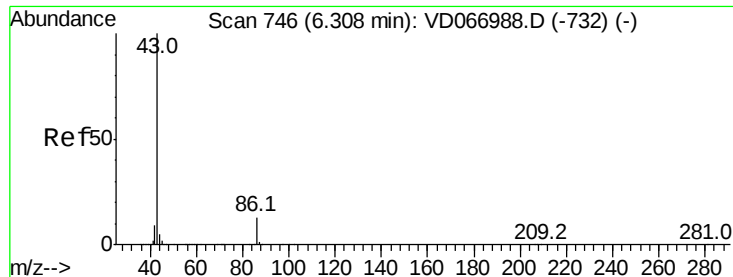
45 100

43 53.7 45.2 67.8

87 39.2 25.6 38.4#

59 12.9 9.1 13.7





#23

Vinyl Acetate

Concen: 234.706 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

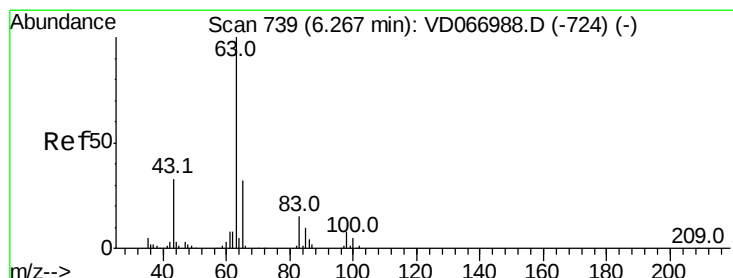
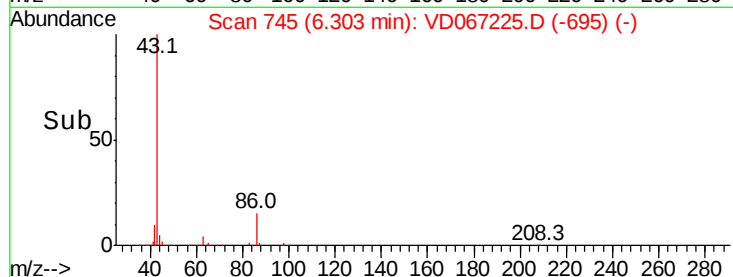
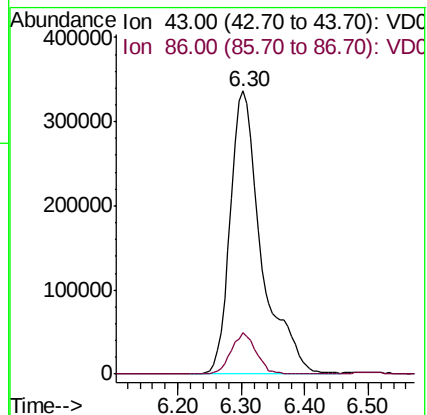
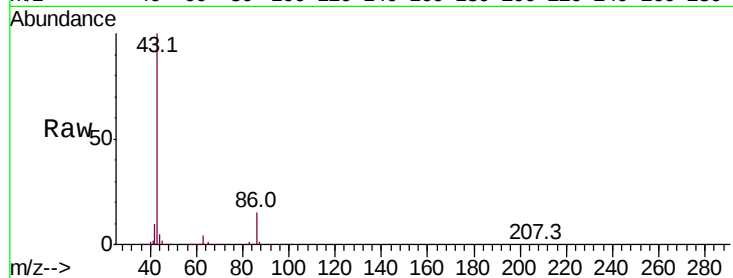
VSTDCCC050

Tot Ion: 43 Resp: 1149302

Ion Ratio Lower Upper

43 100

86 14.7 10.2 15.2



#24

1,1-Dichloroethane

Concen: 46.614 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

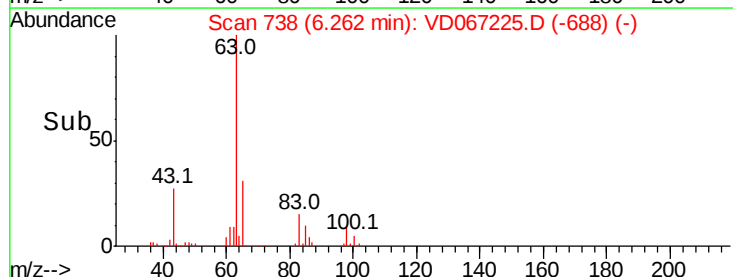
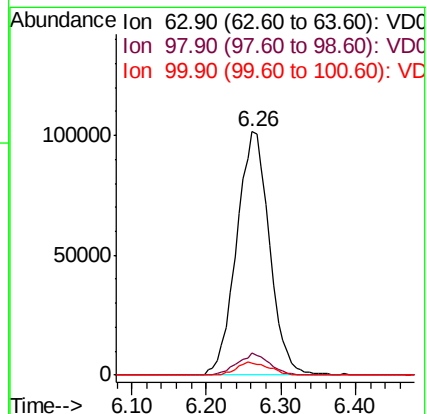
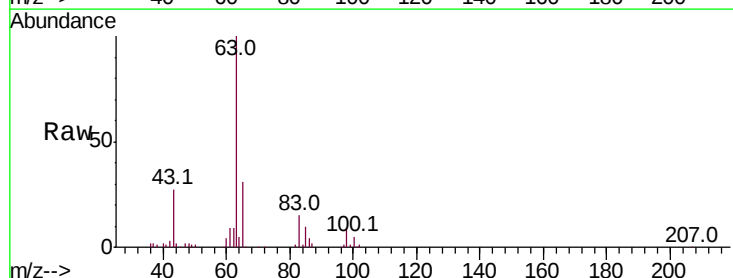
Tgt Ion: 63 Resp: 310866

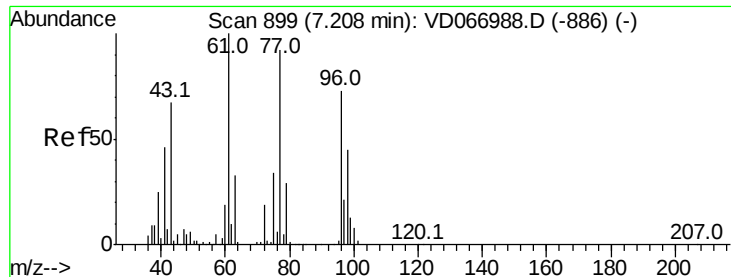
Ion Ratio Lower Upper

63 100

98 8.9 4.2 12.6

100 5.0 2.6 7.8

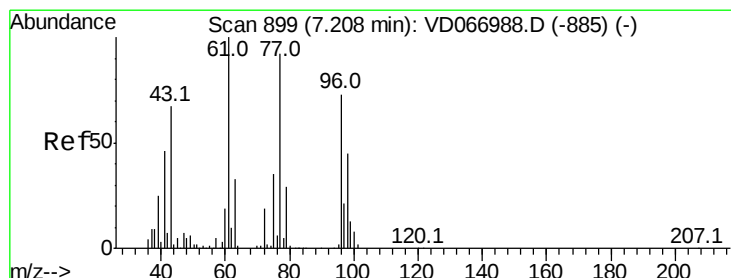
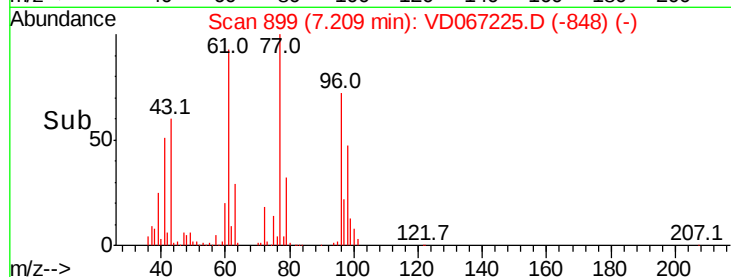
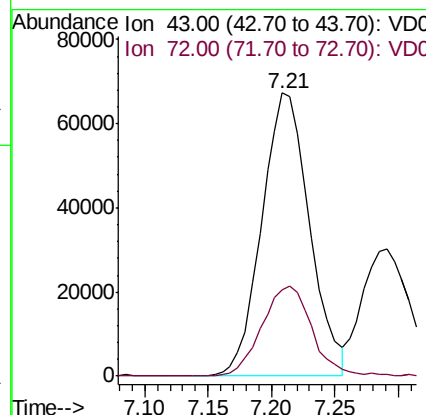
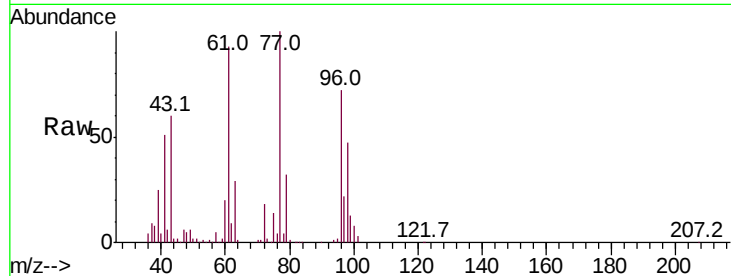




#25
2-Butanone
Concen: 219.490 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

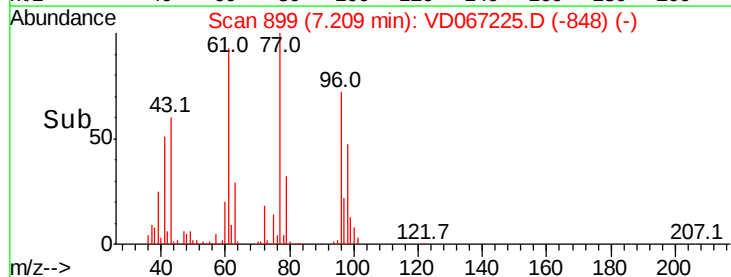
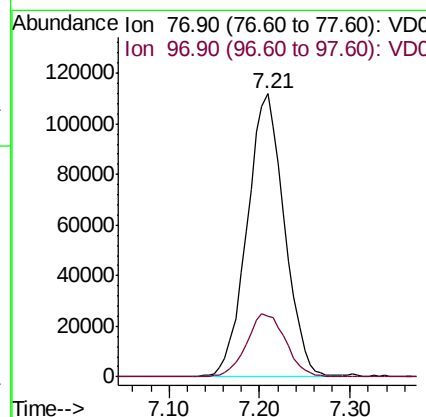
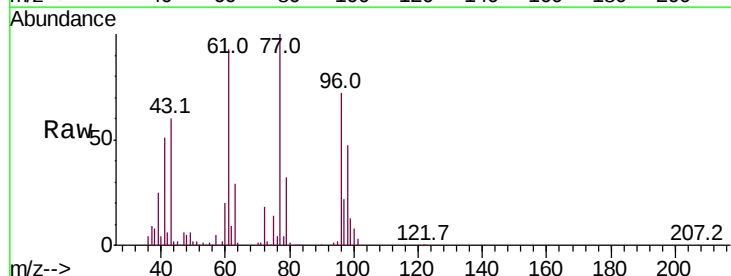
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

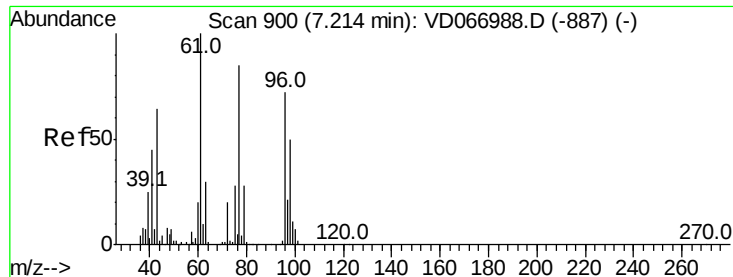
Tot Ion: 43 Resp: 176849
Ion Ratio Lower Upper
43 100
72 30.6 22.8 34.2



#26
2,2-Dichloropropane
Concen: 56.588 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 77 Resp: 319600
Ion Ratio Lower Upper
77 100
97 23.4 11.4 34.2



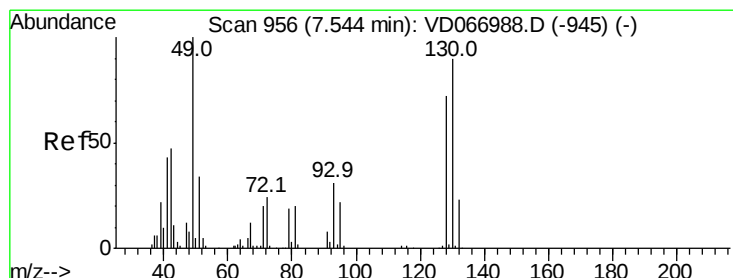
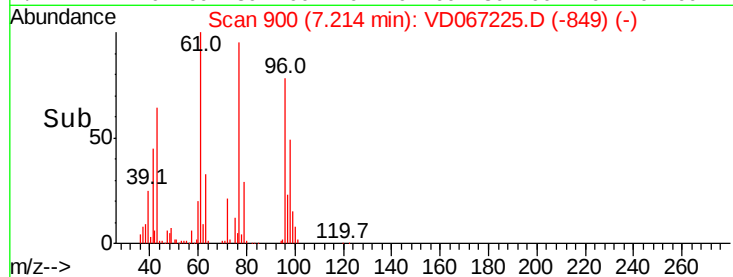
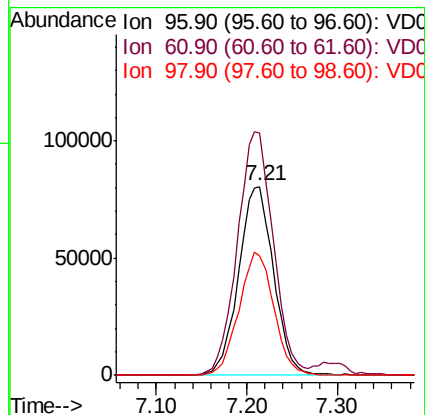
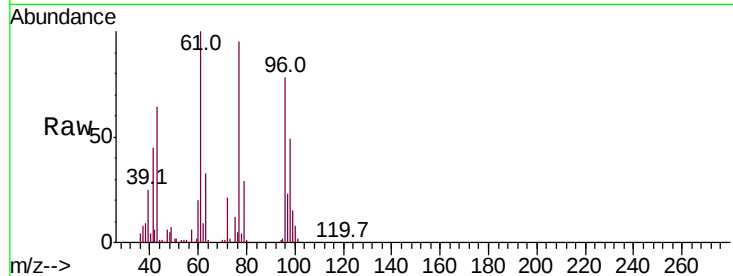


#27

cis-1,2-Dichloroethene
 Concen: 48.717 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

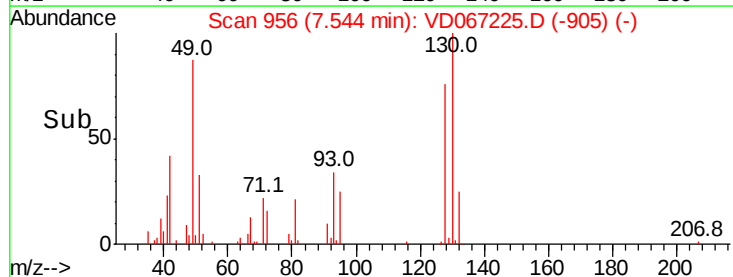
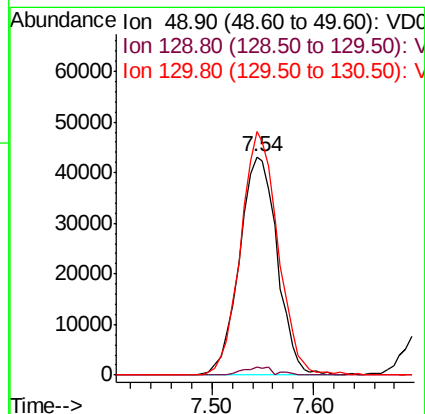
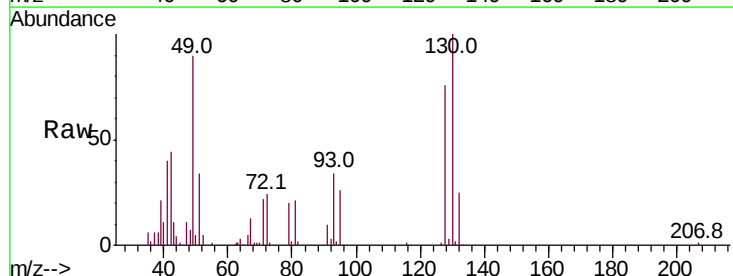
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	0.0	269.2
98	65.1	0.0	129.4

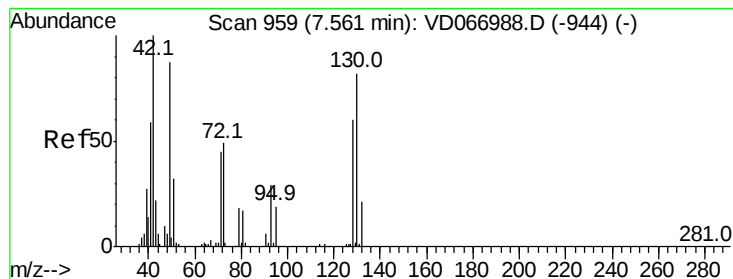


#28

Bromochloromethane
 Concen: 43.269 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.6
130	110.3	74.1	111.1





#29

Tetrahydrofuran

Concen: 218.630 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

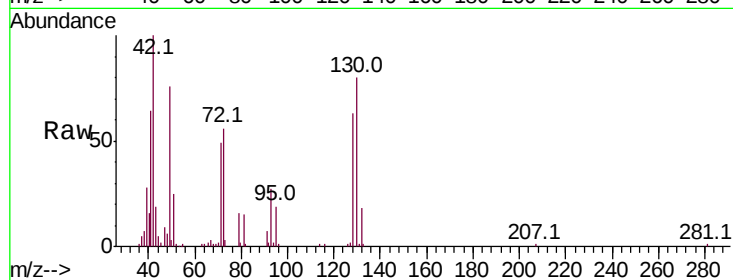
Tot Ion: 42 Resp: 101288

Ion Ratio Lower Upper

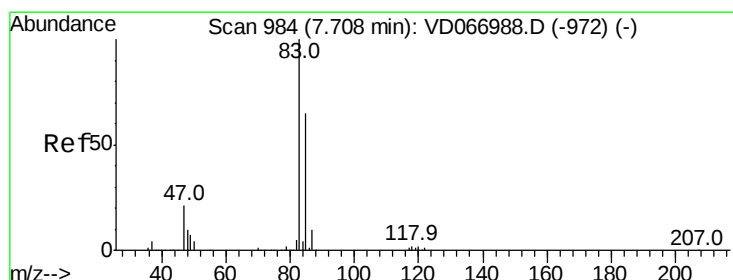
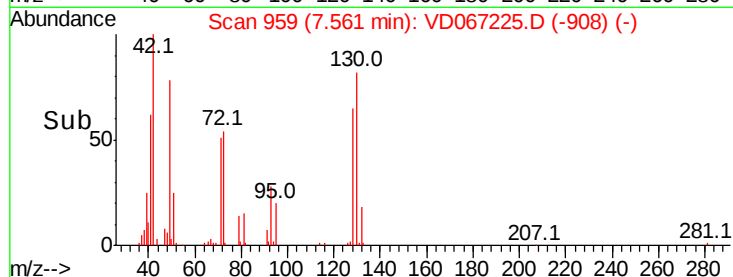
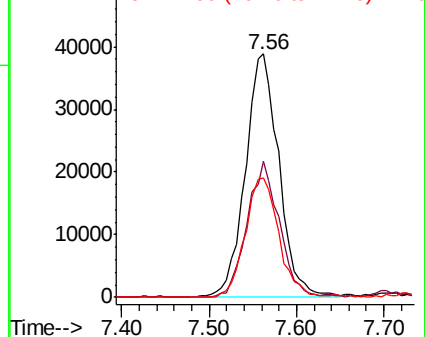
42 100

72 53.7 39.1 58.7

71 48.8 34.2 51.4



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: 49.132 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067225.D

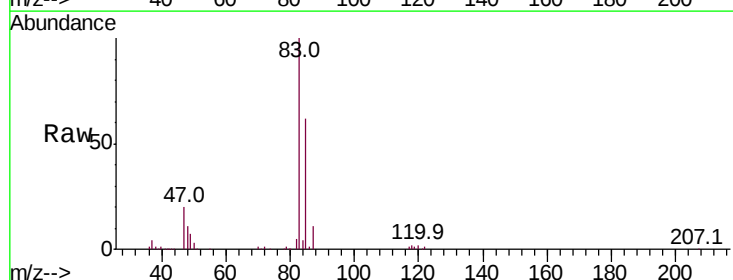
Acq: 12 Oct 2020 10:58

Tgt Ion: 83 Resp: 355440

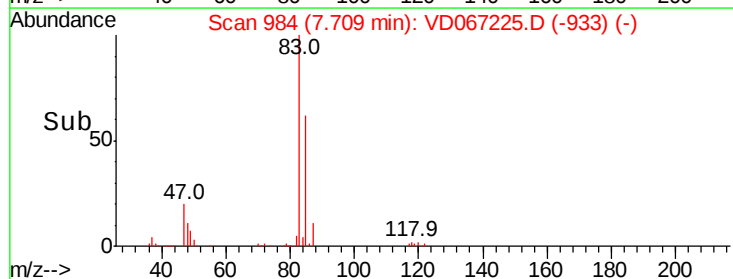
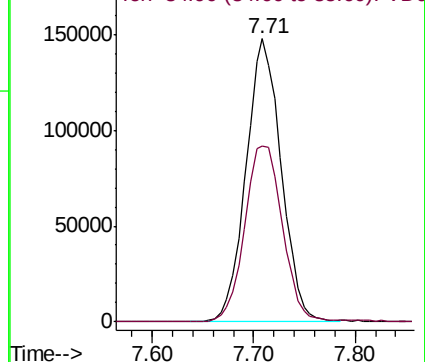
Ion Ratio Lower Upper

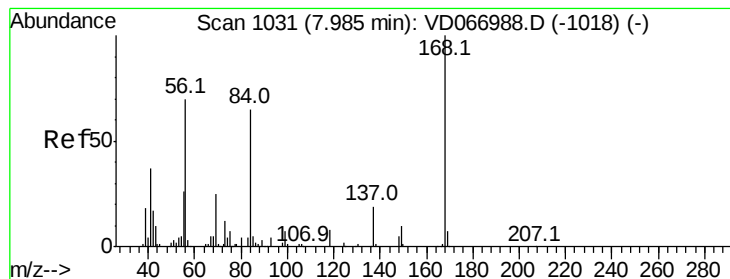
83 100

85 62.0 52.3 78.5



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





#31

Cyclohexane

Concen: 43.335 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

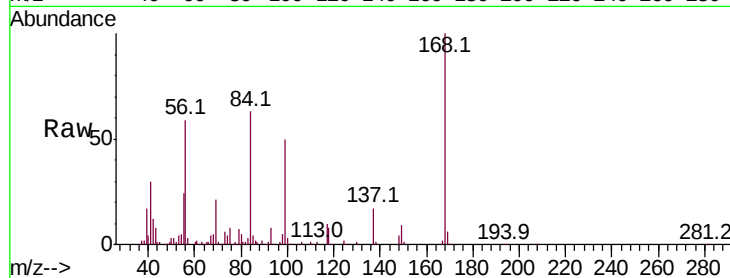
Tot Ion: 56 Resp: 242286

Ion Ratio Lower Upper

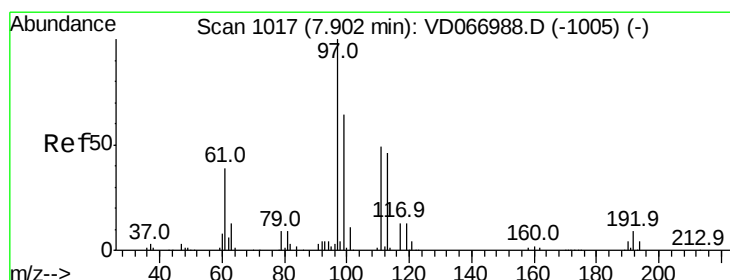
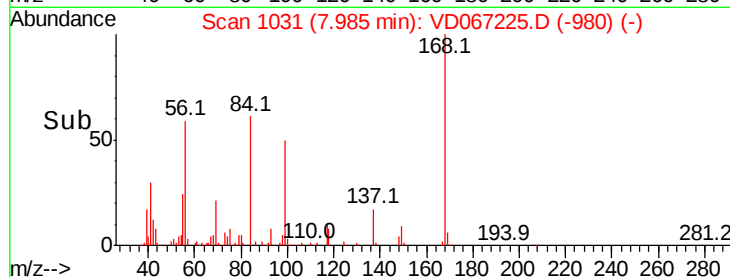
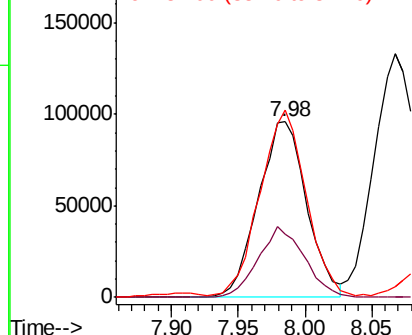
56 100

69 36.2 29.0 43.6

84 104.3 74.2 111.2



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: 52.425 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

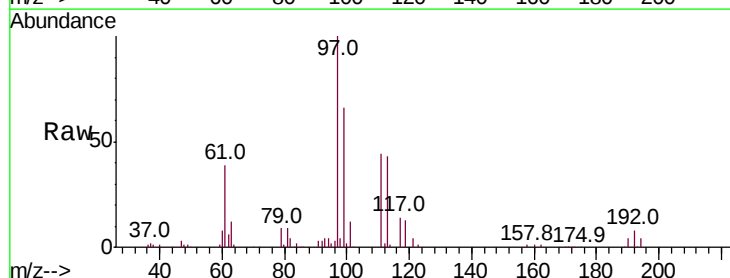
Tgt Ion: 97 Resp: 351489

Ion Ratio Lower Upper

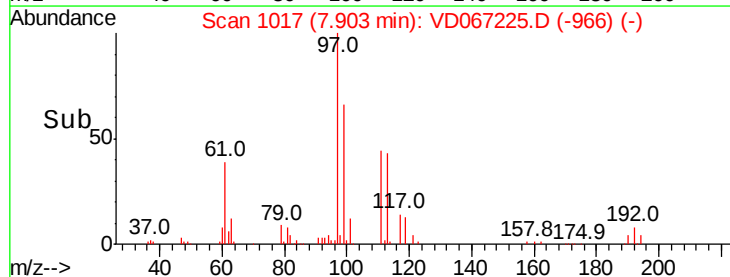
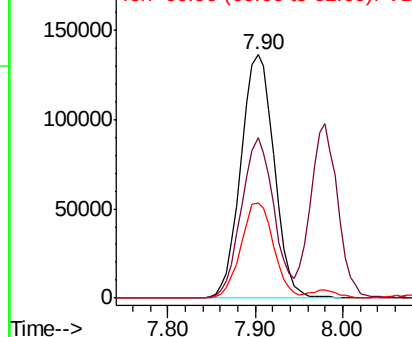
97 100

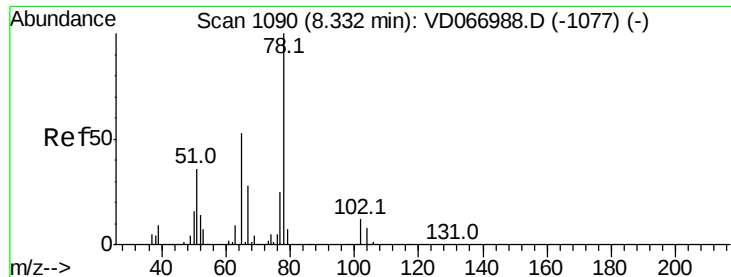
99 64.6 52.6 78.8

61 38.2 32.8 49.2



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





#33

1,2-Dichloroethane-d4

Concen: 46.411 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

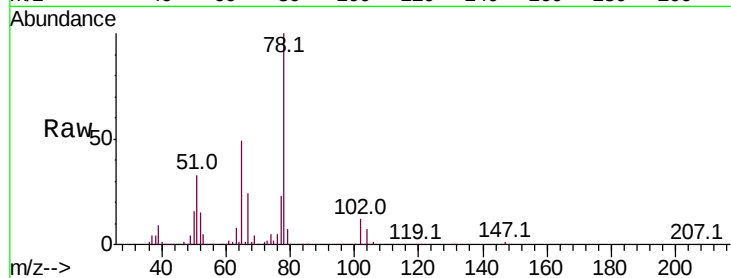
VSTDCCC050

Tot Ion: 65 Resp: 172783

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

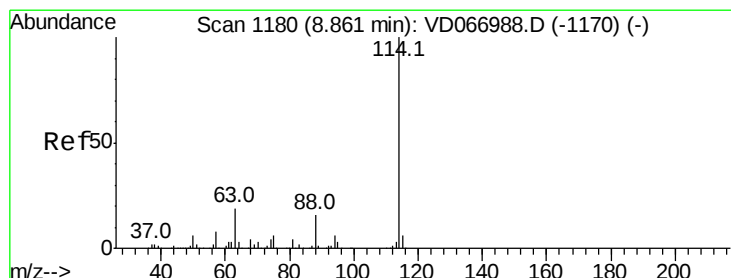
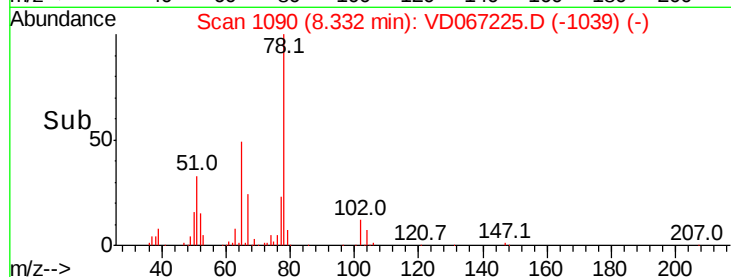
60000

40000

20000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

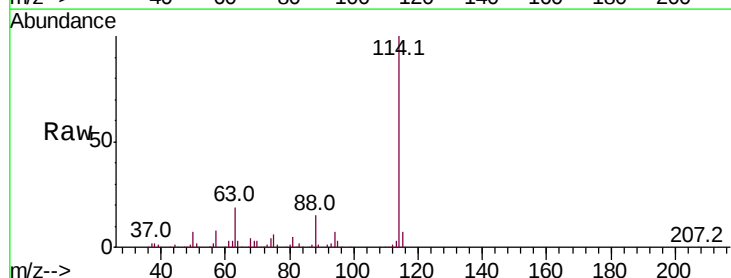
Tgt Ion:114 Resp: 557883

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

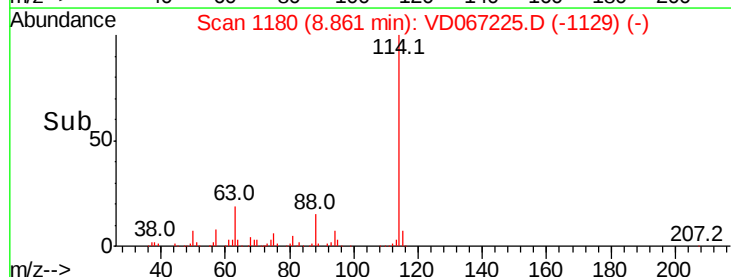
300000

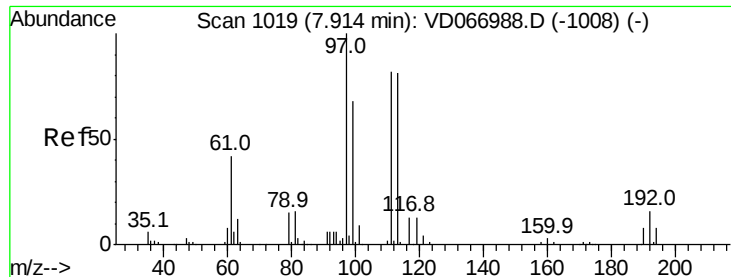
200000

100000

0

Time--> 8.75 8.80 8.85 8.90 8.95

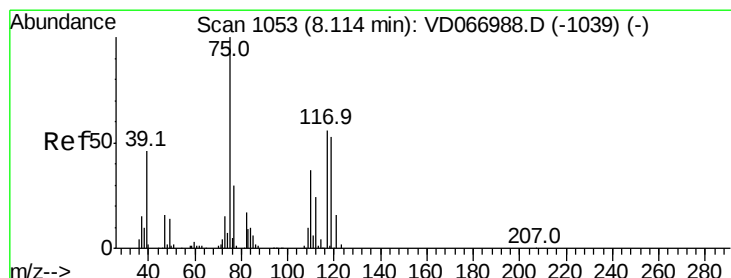
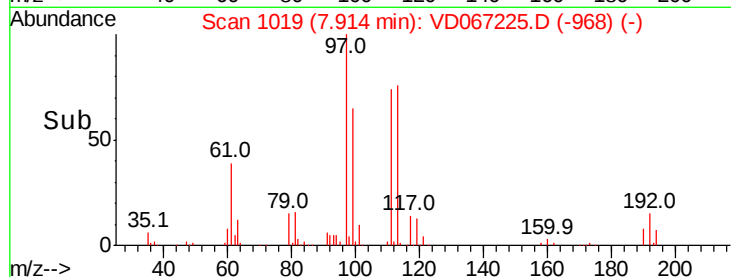
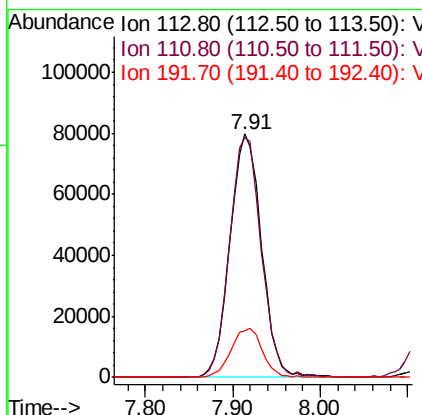
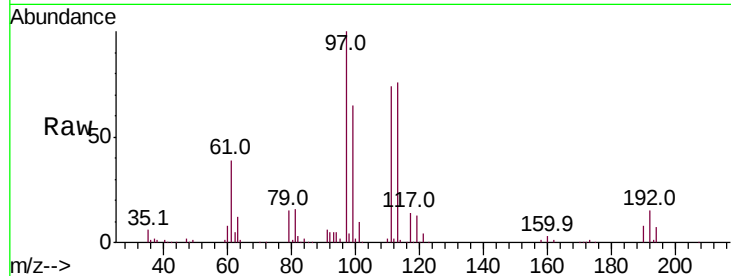




#35
 Dibromofluoromethane
 Concen: 53.105 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

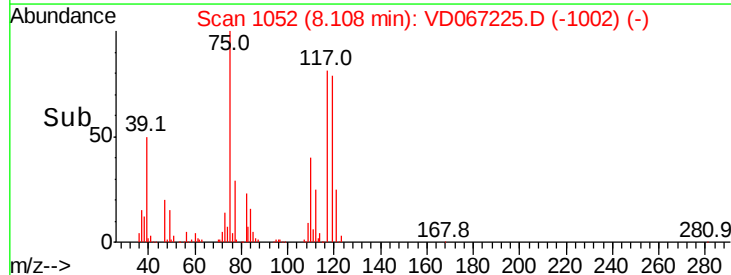
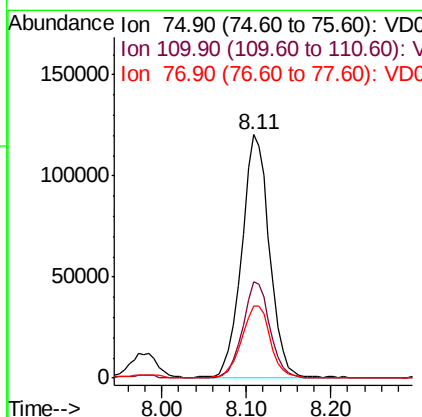
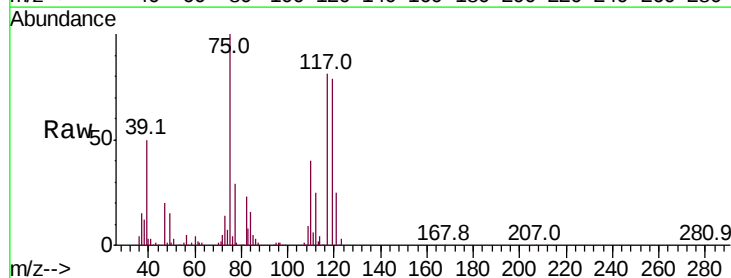
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

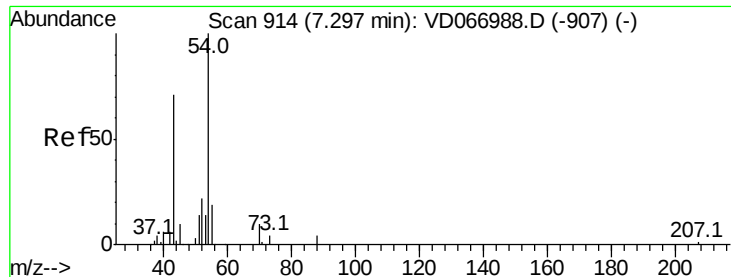
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.0	124.4
192	20.0	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 52.813 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	18.4	55.0
77	31.0	24.8	37.2

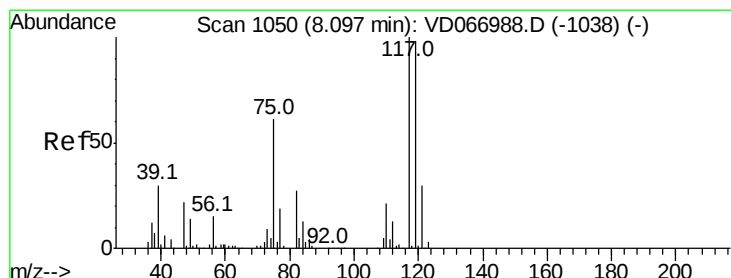
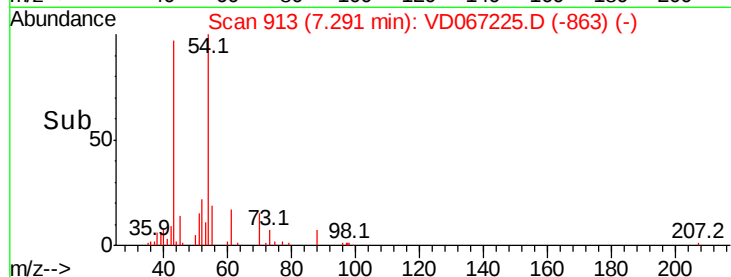
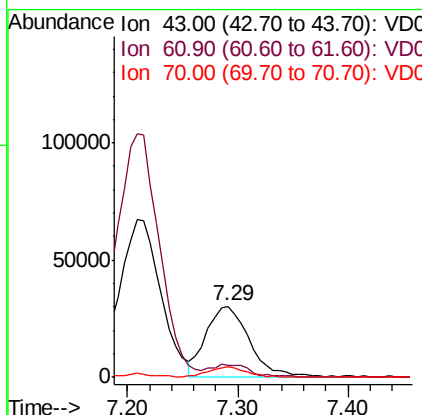
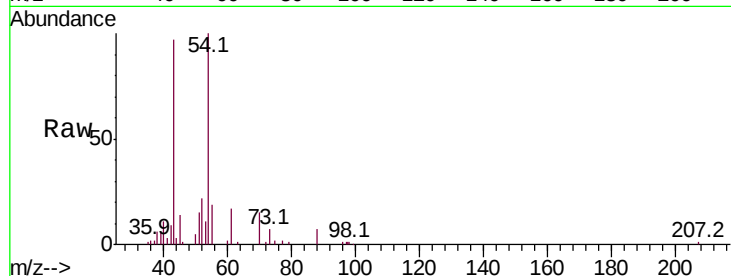




#37
Ethyl Acetate
Concen: 45.231 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

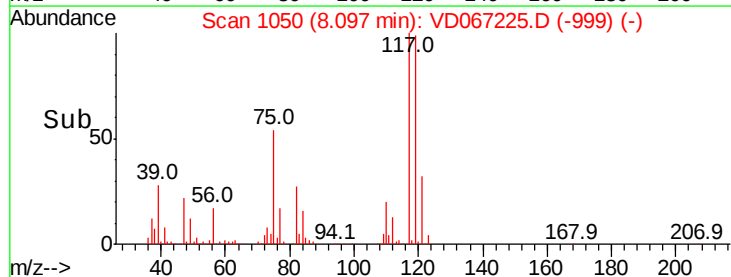
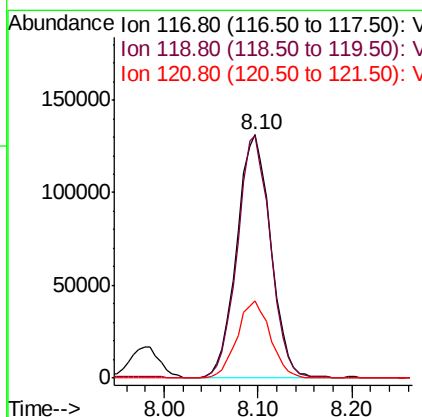
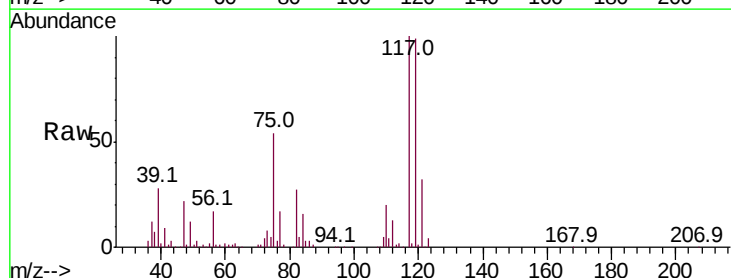
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

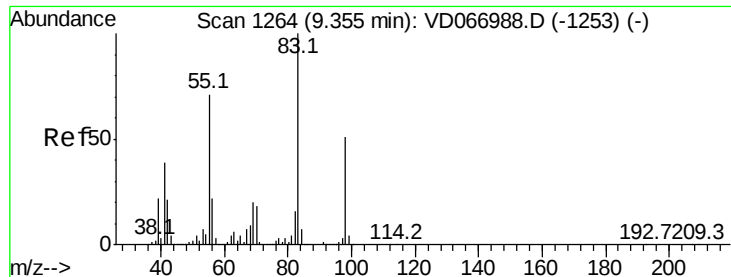
Tot Ion: 43 Resp: 81481
Ion Ratio Lower Upper
43 100
61 16.3 12.5 18.7
70 13.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 58.410 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 117 Resp: 328641
Ion Ratio Lower Upper
117 100
119 99.3 78.7 118.1
121 31.7 24.2 36.2

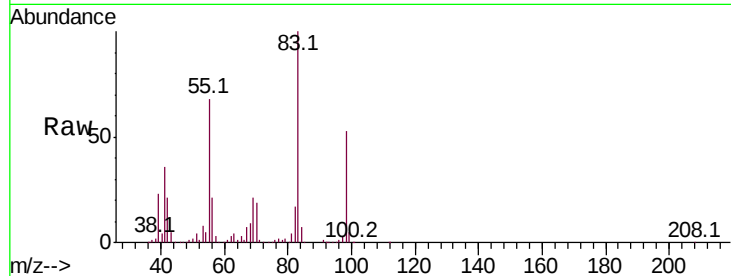




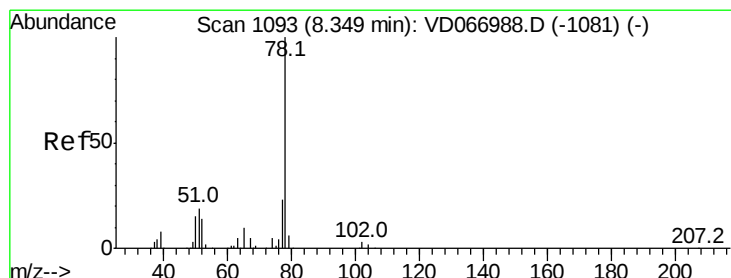
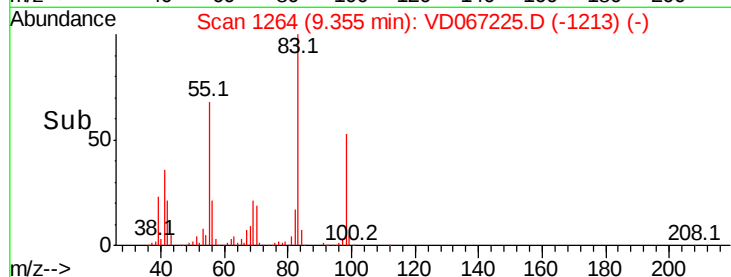
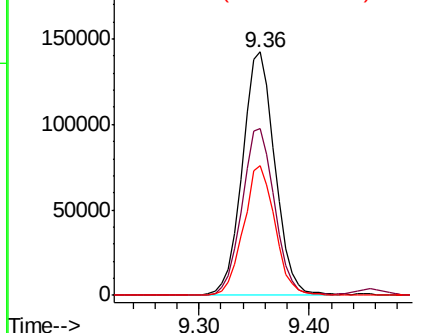
#39
Methvlcvclohexane
Concen: 53.662 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 295022
Ion Ratio Lower Upper
83 100
55 68.5 57.1 85.7
98 53.2 40.9 61.3

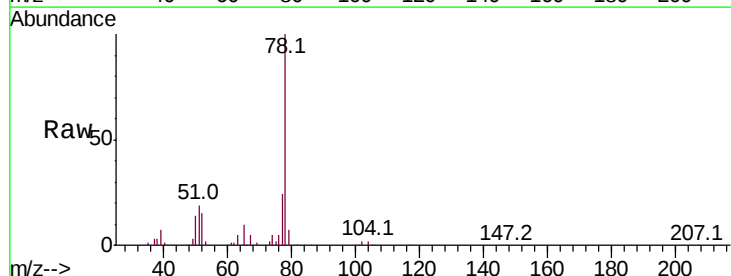


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

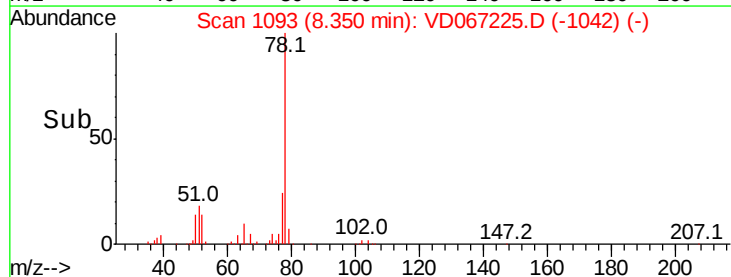
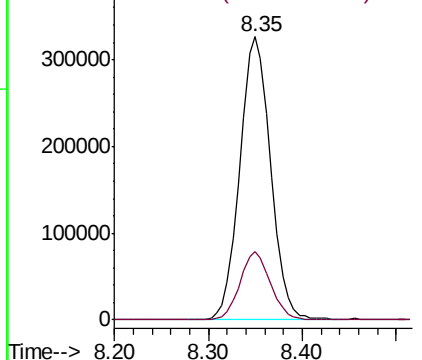


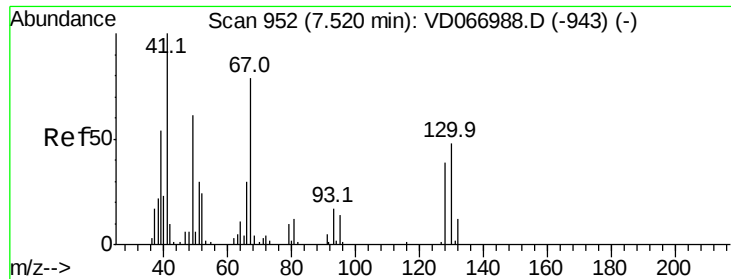
#40
Benzene
Concen: 51.220 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 78 Resp: 739798
Ion Ratio Lower Upper
78 100
77 24.3 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

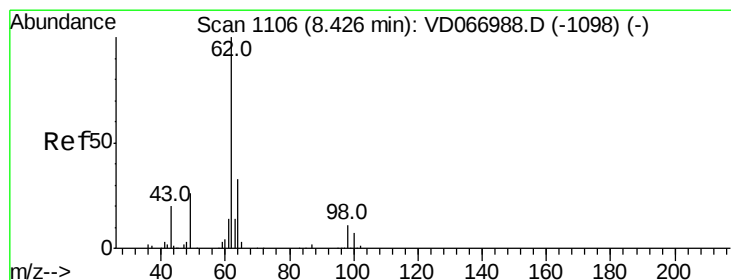
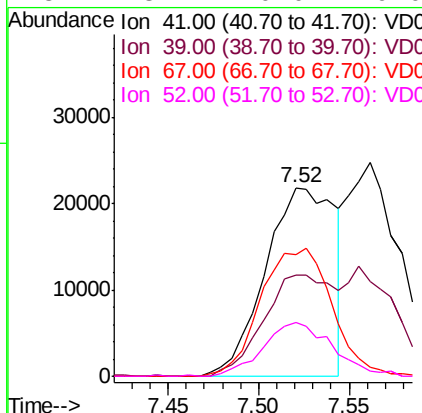
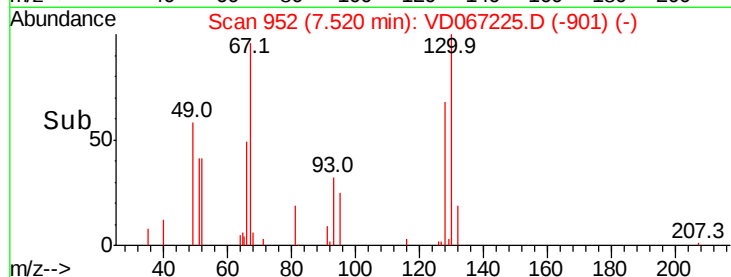
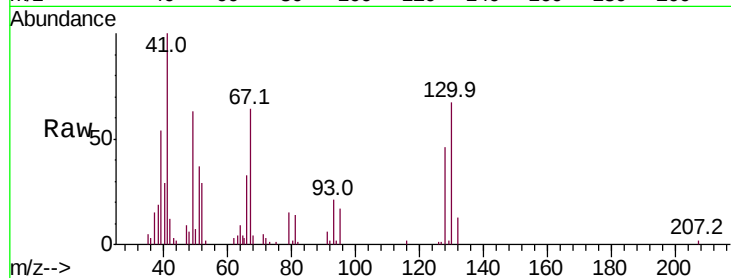




#41
Methacrylonitrile
Concen: 60.203 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

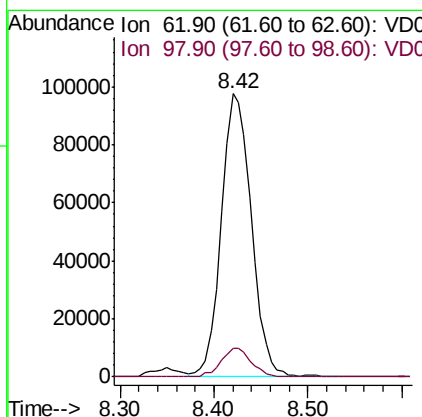
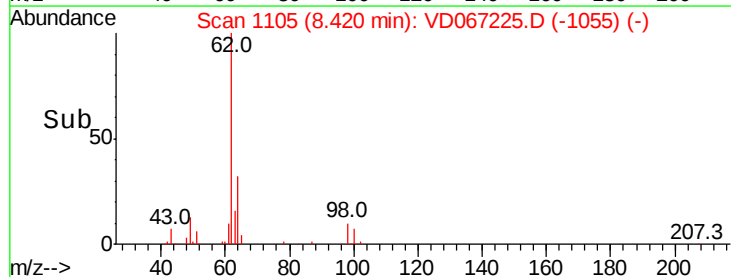
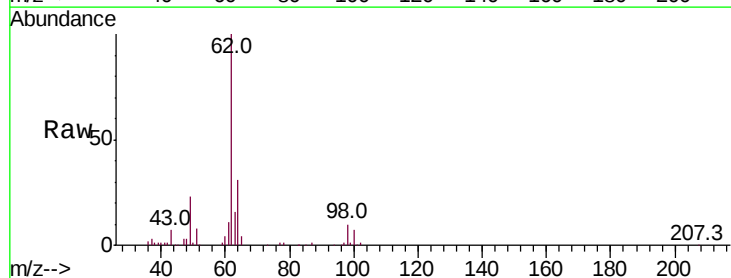
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

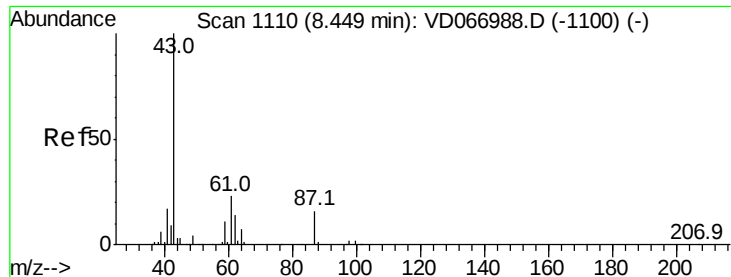
Tot Ion: 41 Resp: 58591
Ion Ratio Lower Upper
41 100
39 54.4 0.0 0.0#
67 69.1 0.0 0.0#
52 28.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 53.827 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 62 Resp: 217243
Ion Ratio Lower Upper
62 100
98 10.1 0.0 22.6





#43

Isopropyl Acetate

Concen: 48.369 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

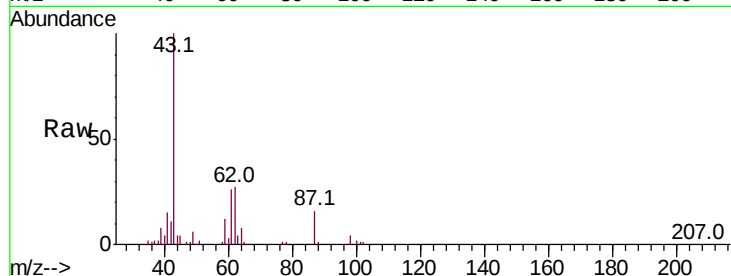
Tot Ion: 43 Resp: 160521

Ion Ratio Lower Upper

43 100

61 35.6 27.1 40.7

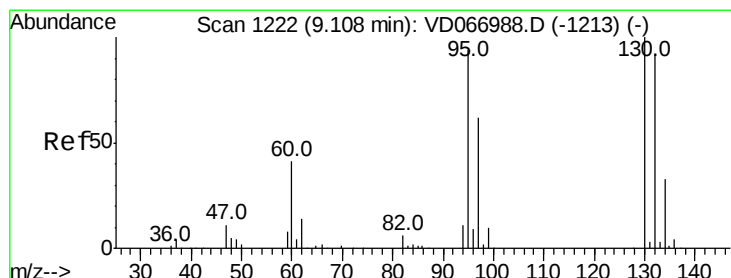
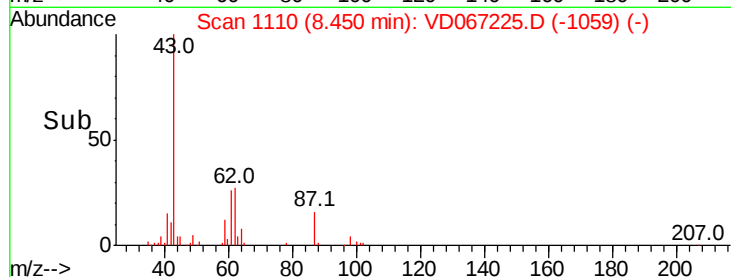
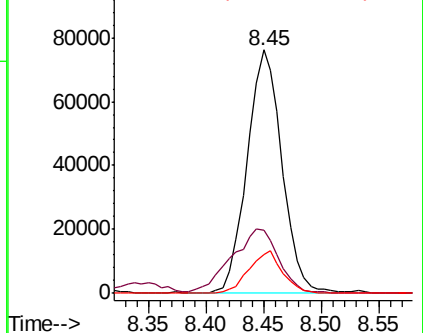
87 16.8 12.3 18.5



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: 54.433 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD067225.D

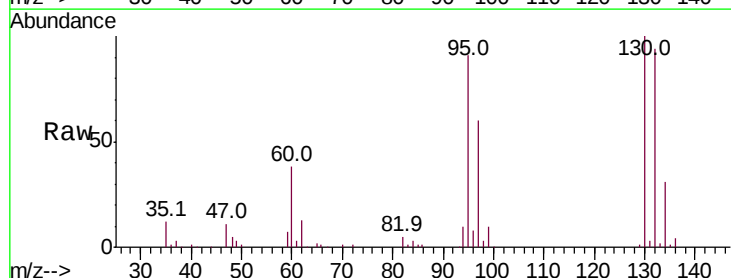
Acq: 12 Oct 2020 10:58

Tgt Ion:130 Resp: 234767

Ion Ratio Lower Upper

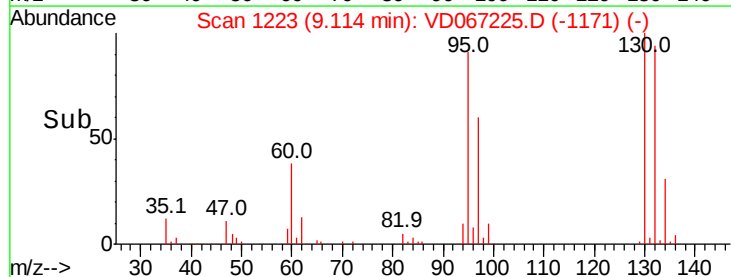
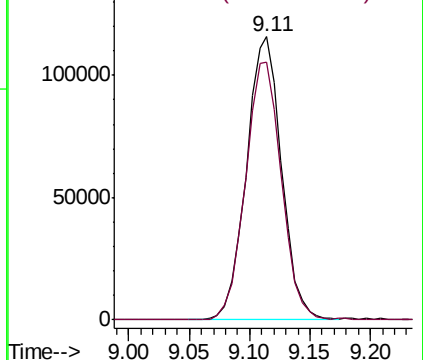
130 100

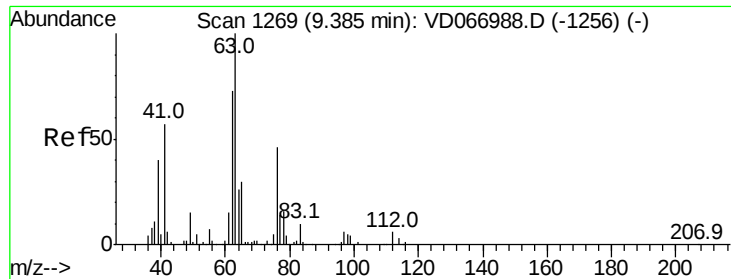
95 91.0 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.770 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

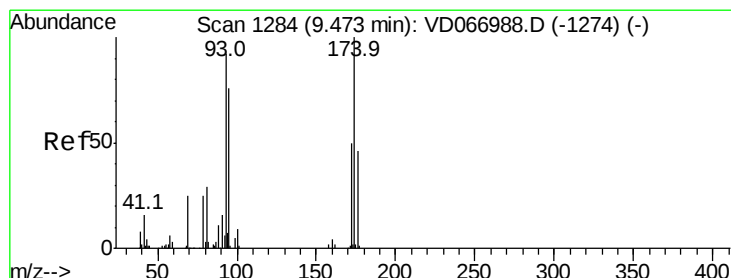
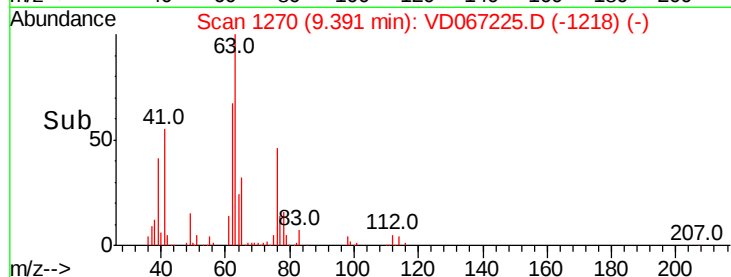
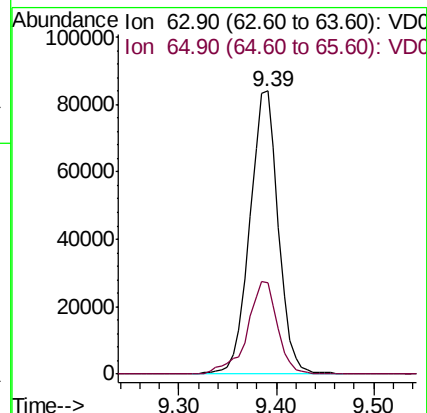
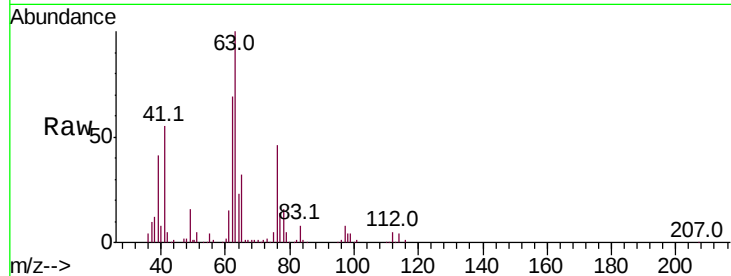
VSTDCCC050

Tot Ion: 63 Resp: 172297

Ion Ratio Lower Upper

63 100

65 32.4 23.7 35.5



#46

Dibromomethane

Concen: 52.683 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

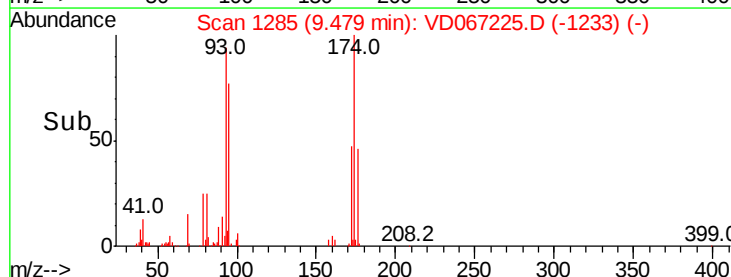
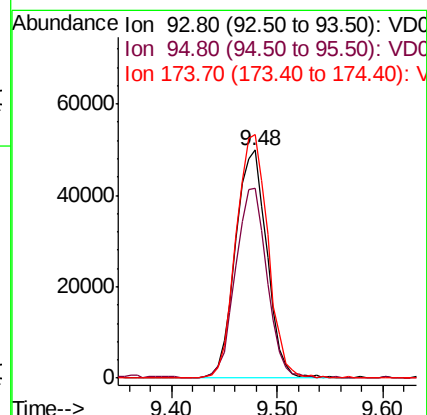
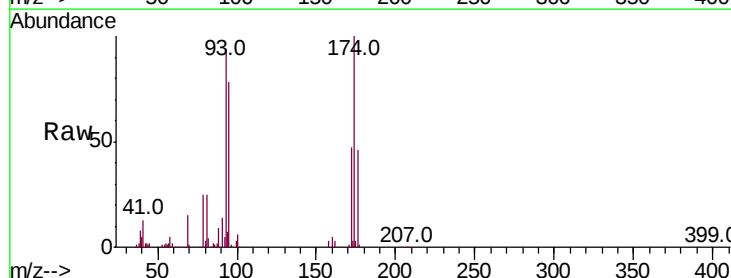
Tgt Ion: 93 Resp: 102760

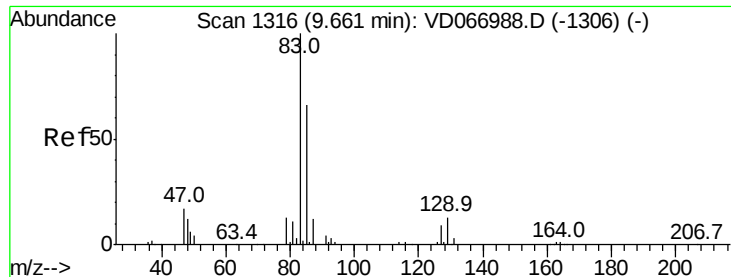
Ion Ratio Lower Upper

93 100

95 82.8 64.7 97.1

174 108.2 81.4 122.2





#47

Bromodichloromethane

Concen: 54.350 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

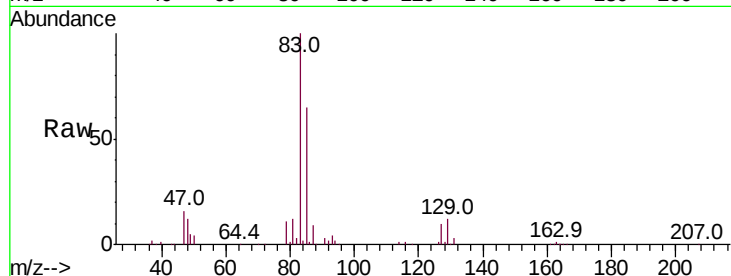
Tot Ion: 83 Resp: 275567

Ion Ratio Lower Upper

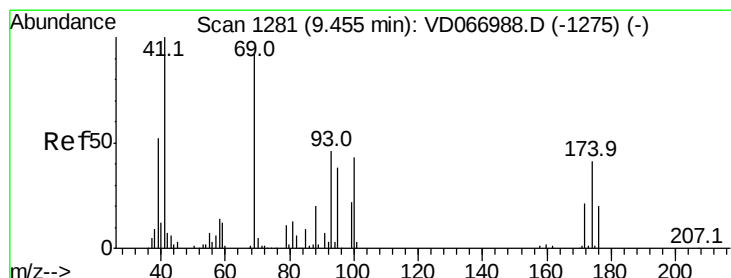
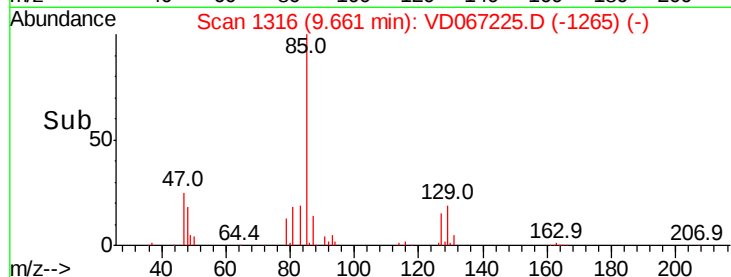
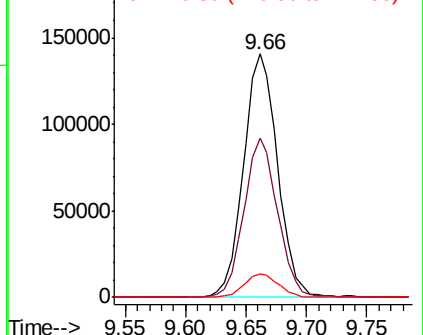
83 100

85 65.3 52.9 79.3

127 9.8 7.3 10.9



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



#48

Methyl methacrylate

Concen: 44.879 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

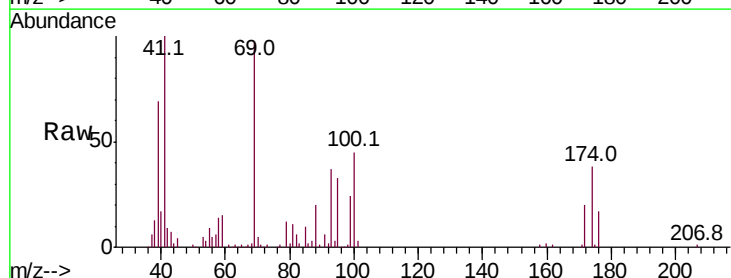
Tgt Ion: 41 Resp: 76304

Ion Ratio Lower Upper

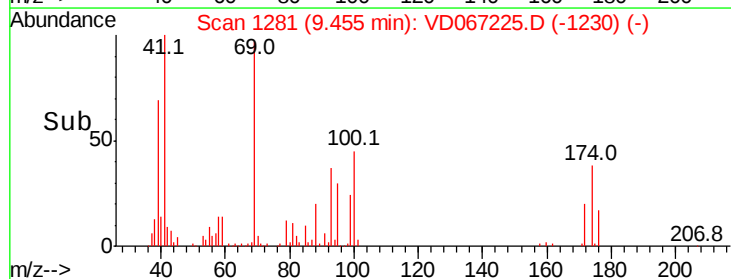
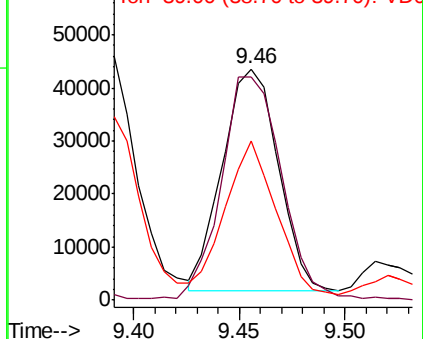
41 100

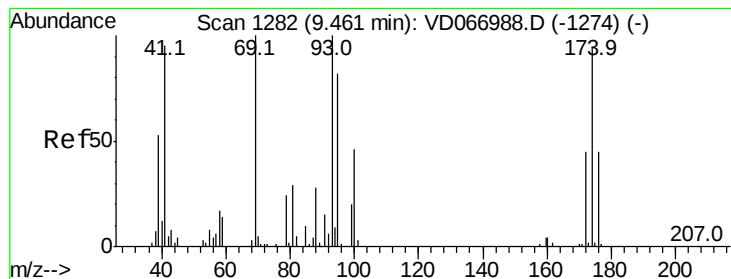
69 109.2 68.5 102.7#

39 70.6 40.2 60.2#



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: 1032.018 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

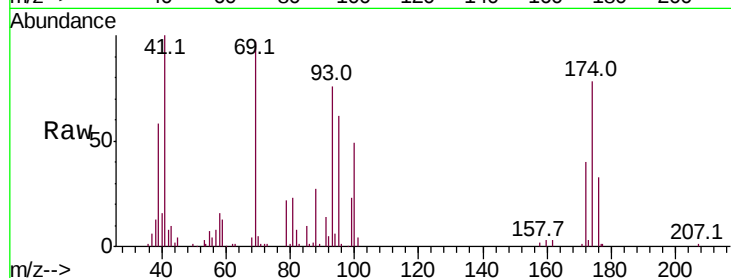
Tot Ion: 88 Resp: 21009

Ion Ratio Lower Upper

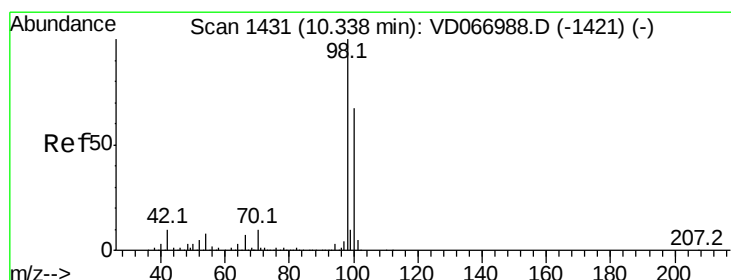
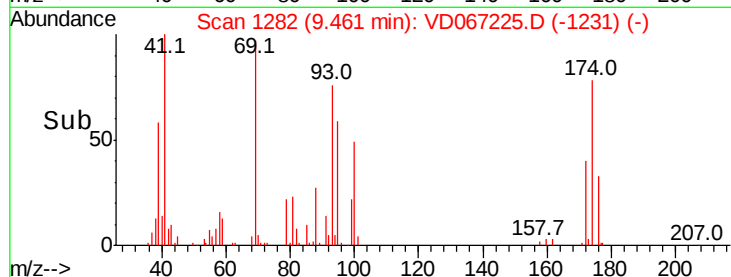
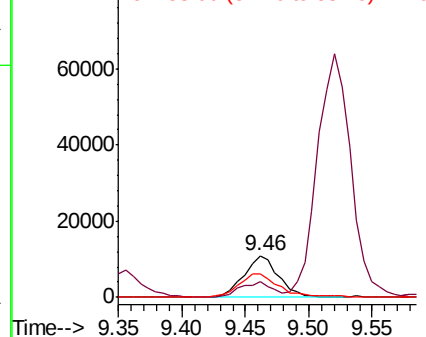
88 100

43 33.9 25.6 38.4

58 65.8 53.5 80.3



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



#50

Toluene-d8

Concen: 51.679 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067225.D

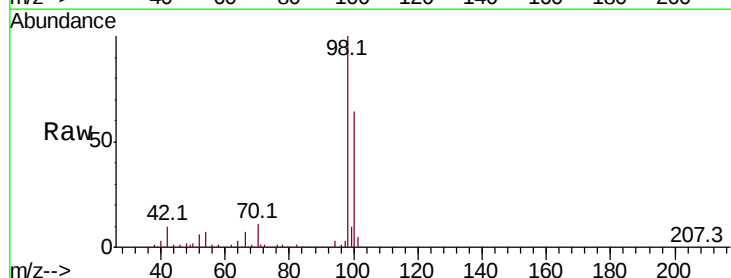
Acq: 12 Oct 2020 10:58

Tgt Ion: 98 Resp: 687786

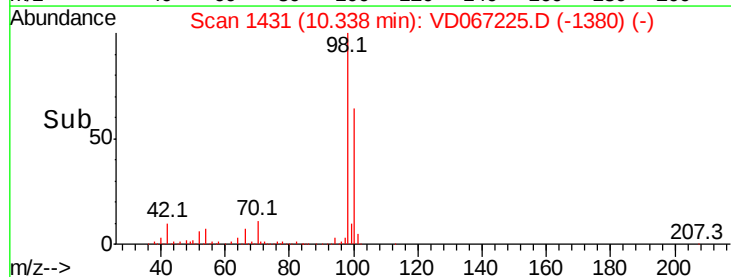
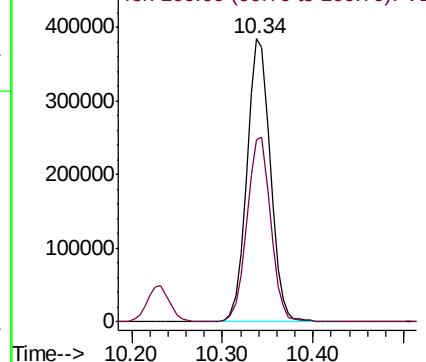
Ion Ratio Lower Upper

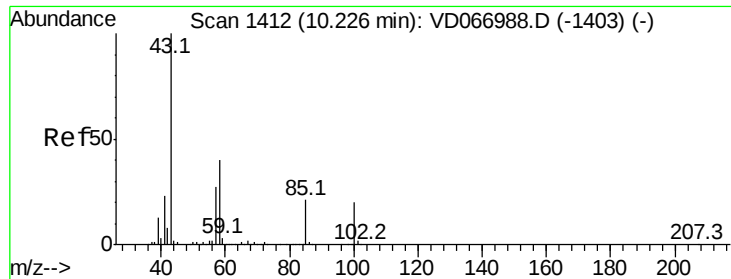
98 100

100 66.1 52.8 79.2



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: 244.526 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

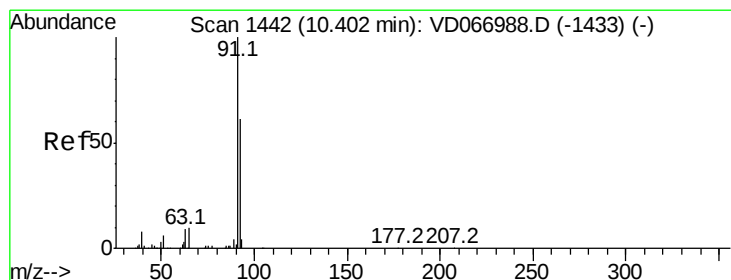
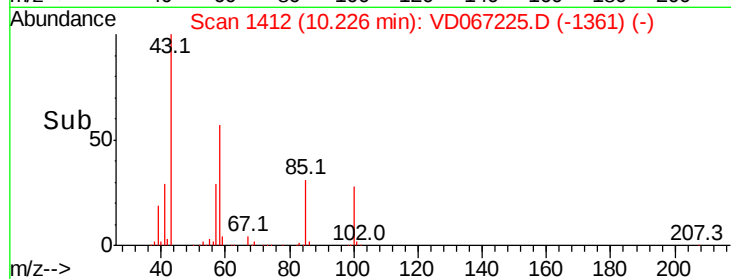
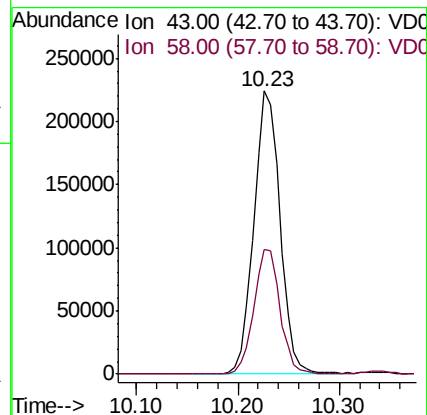
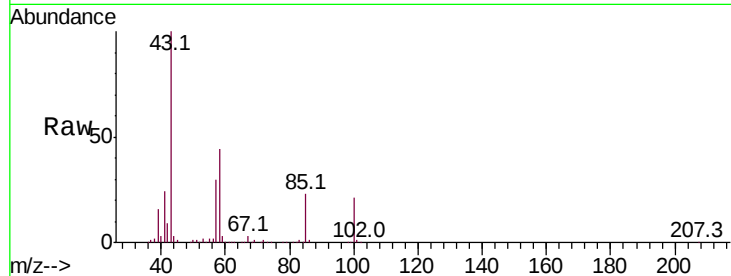
VSTDCCC050

Tot Ion: 43 Resp: 404207

Ion Ratio Lower Upper

43 100

58 44.0 33.8 50.8



#52

Toluene

Concen: 53.936 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067225.D

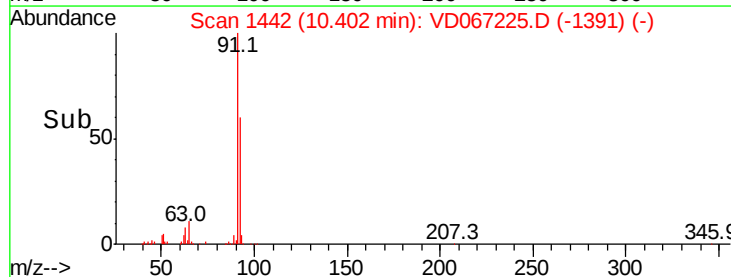
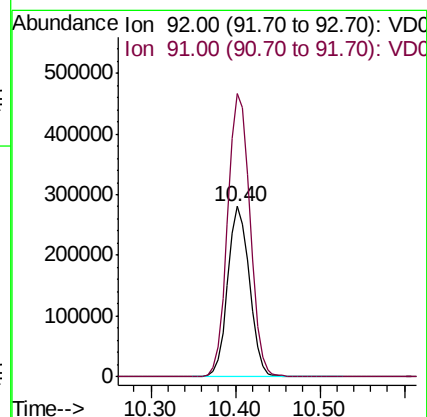
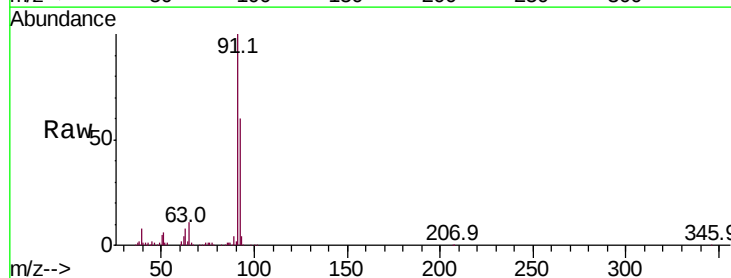
Acq: 12 Oct 2020 10:58

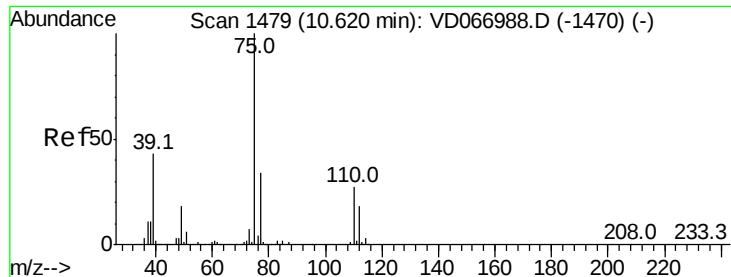
Tgt Ion: 92 Resp: 501831

Ion Ratio Lower Upper

92 100

91 170.6 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 54.844 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

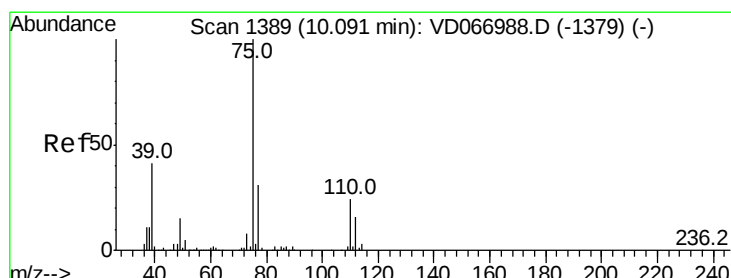
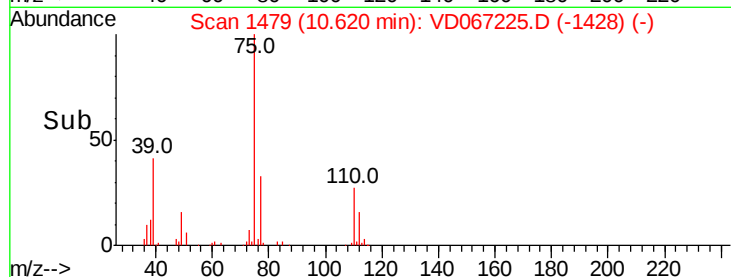
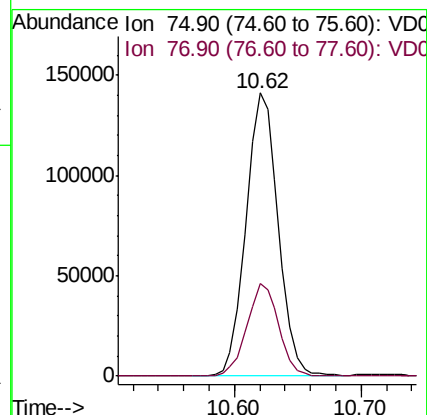
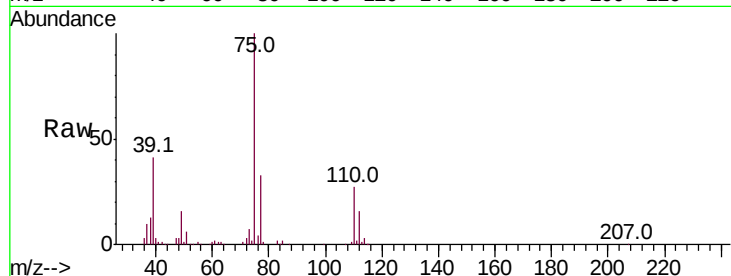
VSTDCCC050

Tot Ion: 75 Resp: 248524

Ion Ratio Lower Upper

75 100

77 32.8 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 52.679 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

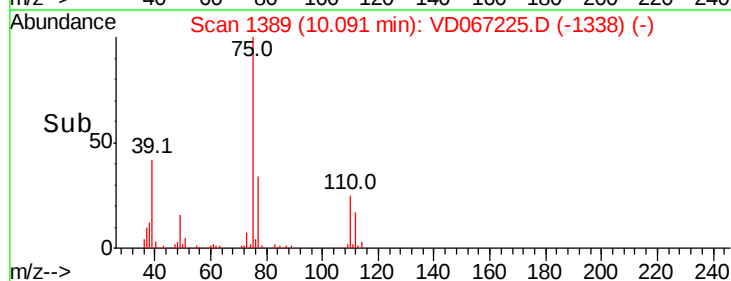
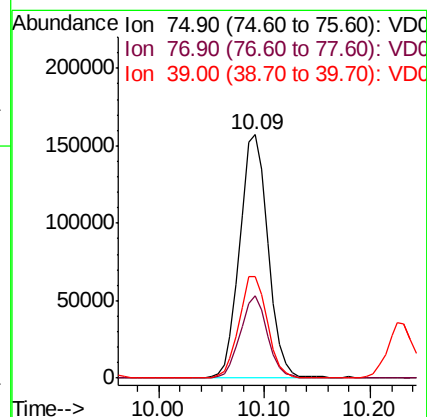
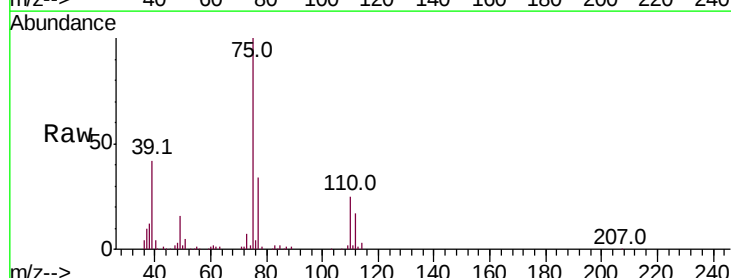
Tgt Ion: 75 Resp: 291497

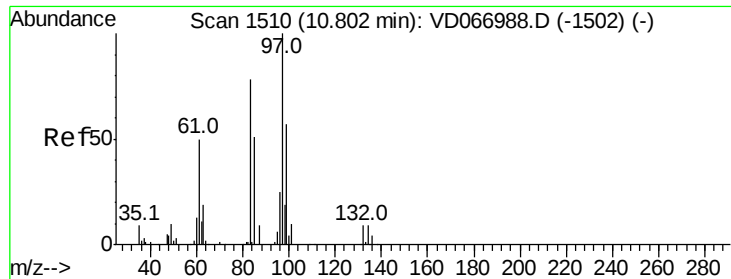
Ion Ratio Lower Upper

75 100

77 33.6 24.6 37.0

39 41.8 33.0 49.4

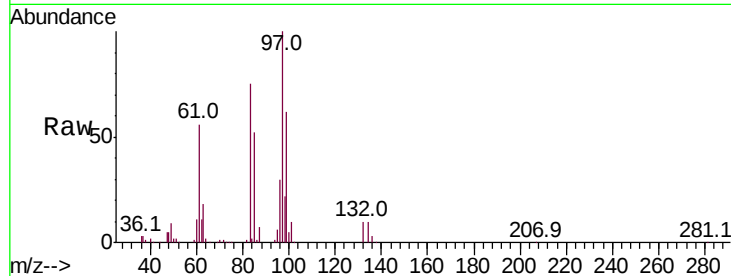




#55
 1,1,2-Trichloroethane
 Concen: 53.184 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	144224
Ion	Ratio	Lower	Upper
97	100		
83	75.4	62.4	93.6
85	52.3	41.0	61.4
99	61.8	45.9	68.9



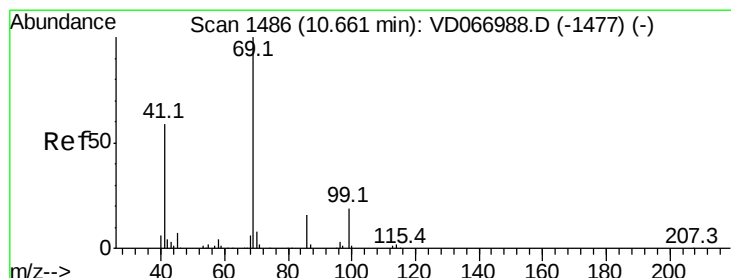
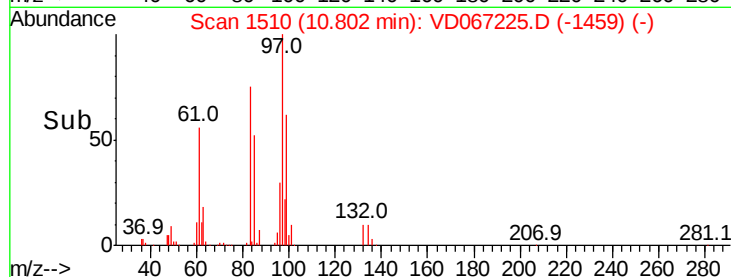
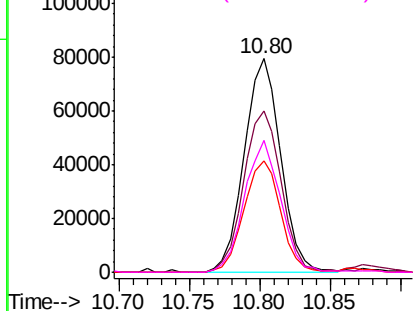
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

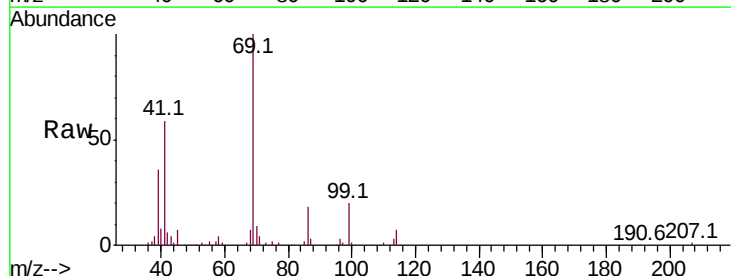
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 56.019 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion:	69	Resp:	156840
Ion	Ratio	Lower	Upper
69	100		
41	57.6	46.4	69.6
39	34.1	23.8	35.6

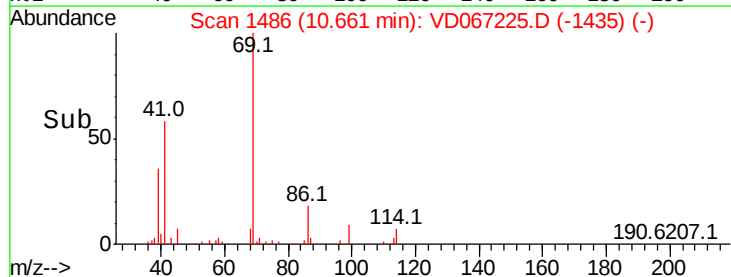
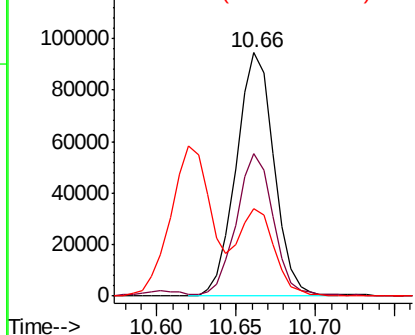


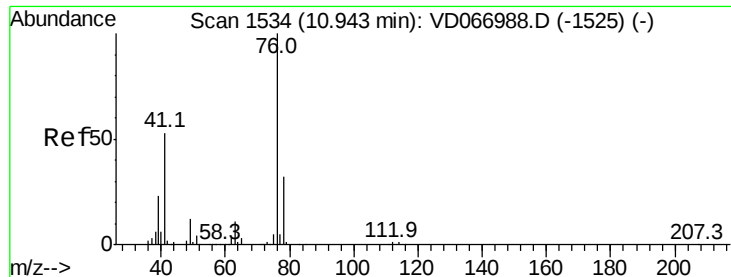
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.843 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

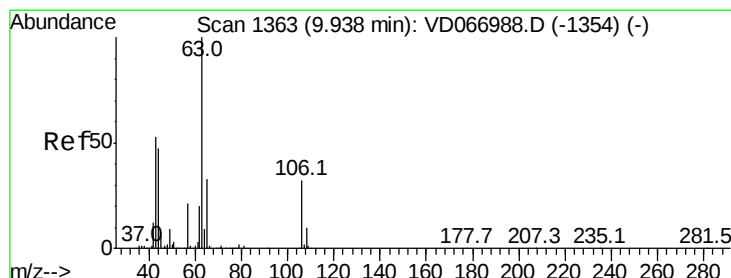
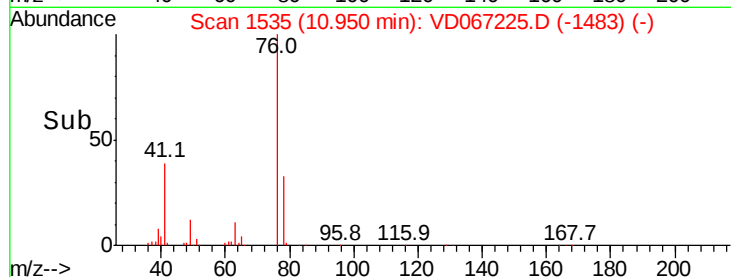
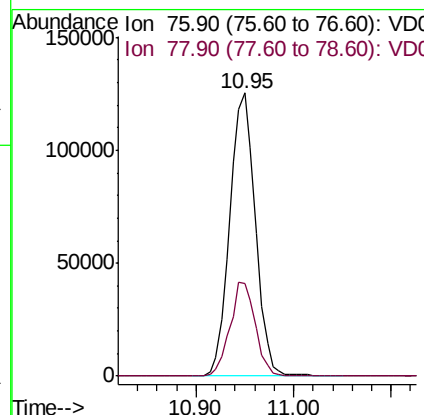
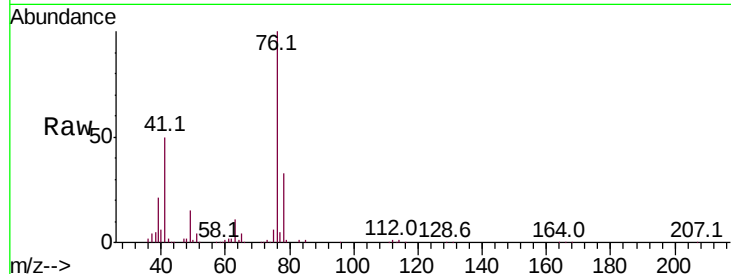
Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 227981

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8



#58

2-Chloroethyl Vinyl ether

Concen: 270.715 ug/l

RT: 9.94 min Scan# 1364

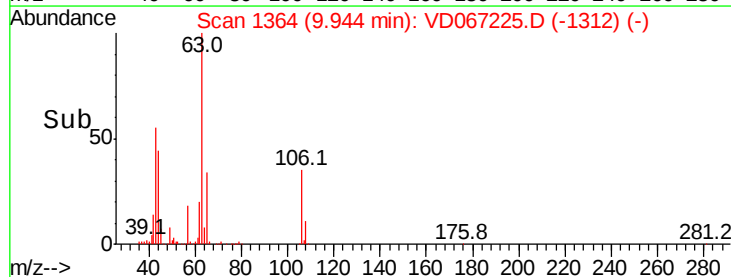
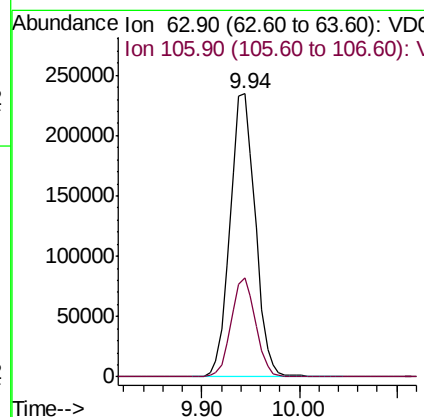
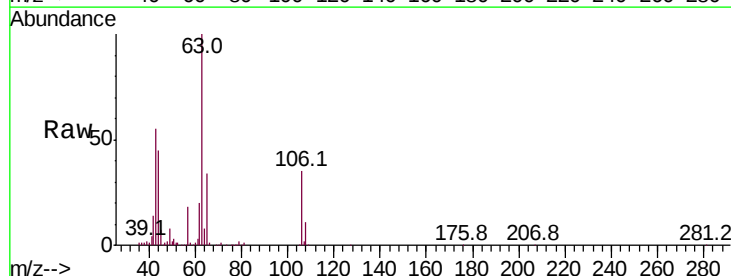
Delta R.T. 0.01 min

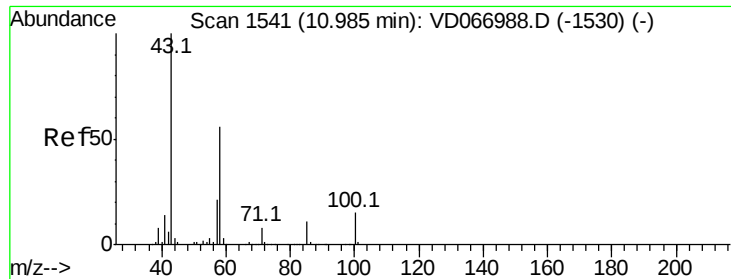
Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion: 63 Resp: 421858

Ion	Ratio	Lower	Upper
63	100		
106	33.8	25.3	37.9





#59

2-Hexanone

Concen: 260.957 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

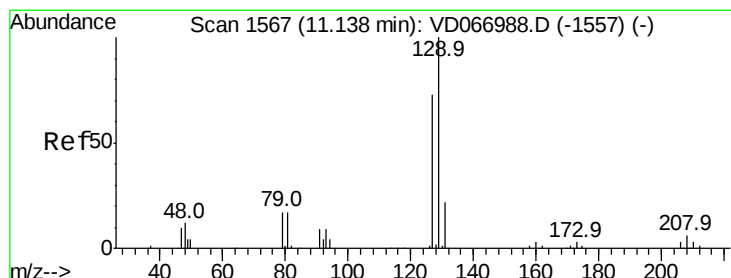
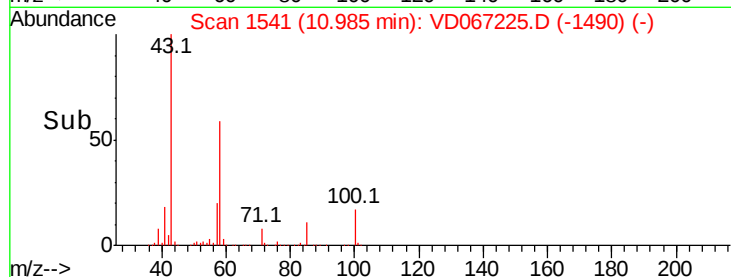
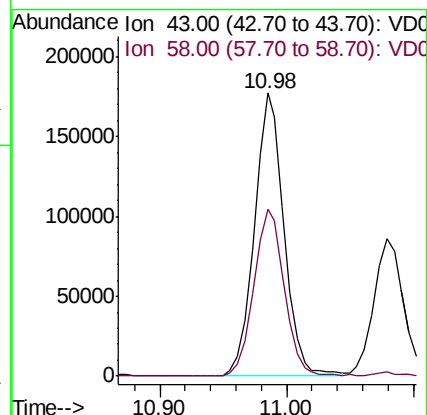
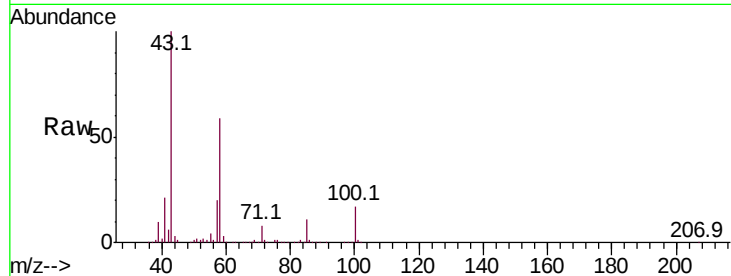
VSTDCCC050

Tot Ion: 43 Resp: 287912

Ion Ratio Lower Upper

43 100

58 60.7 28.3 84.9



#60

Dibromochloromethane

Concen: 55.311 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VD067225.D

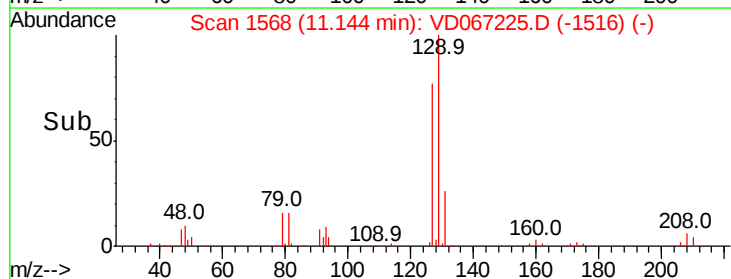
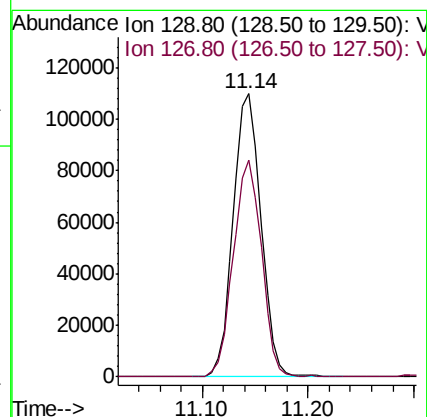
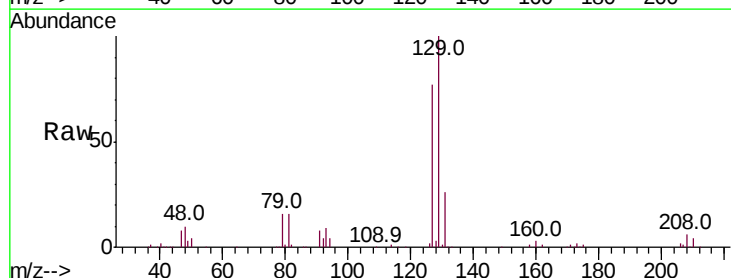
Acq: 12 Oct 2020 10:58

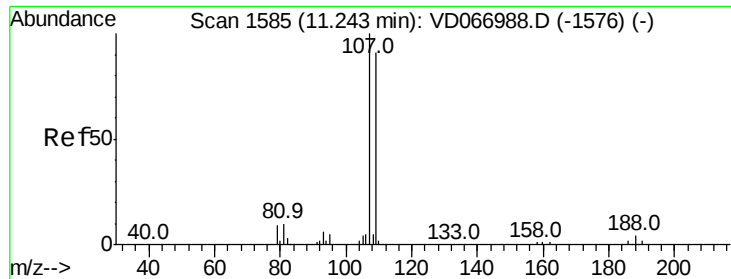
Tgt Ion: 129 Resp: 199916

Ion Ratio Lower Upper

129 100

127 77.4 37.4 112.1

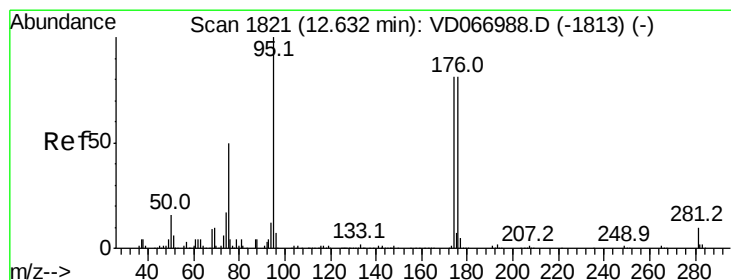
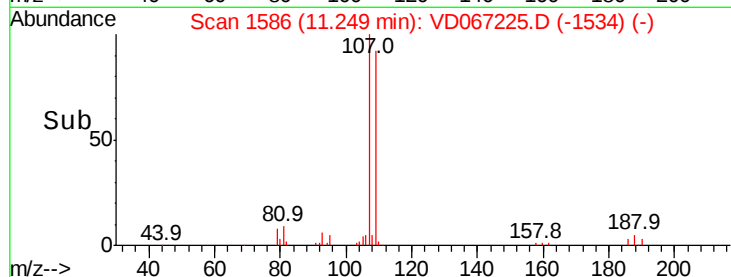
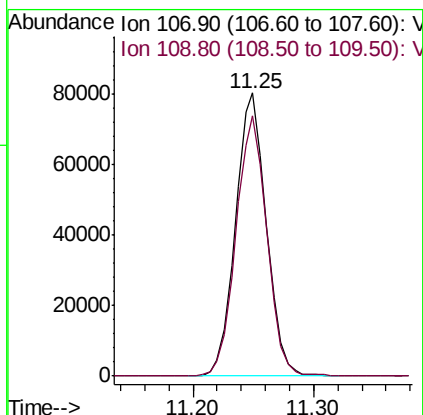
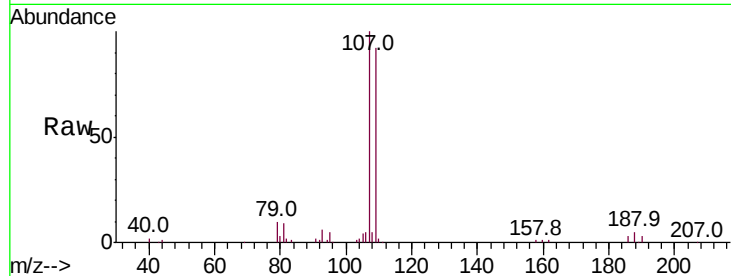




#61
 1,2-Dibromoethane
 Concen: 54.543 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

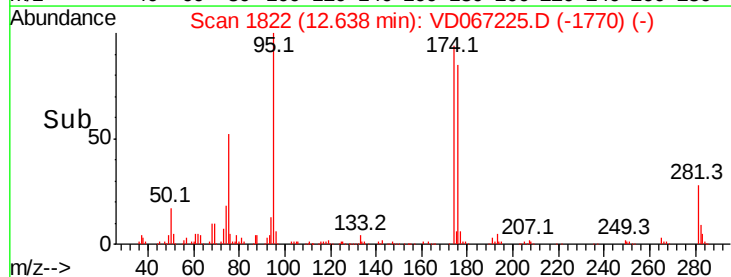
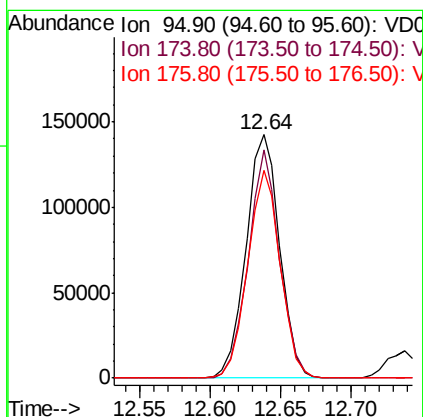
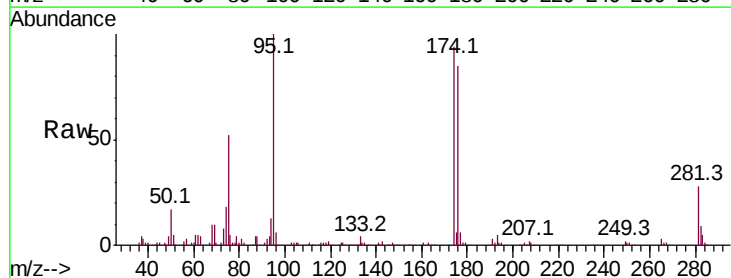
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

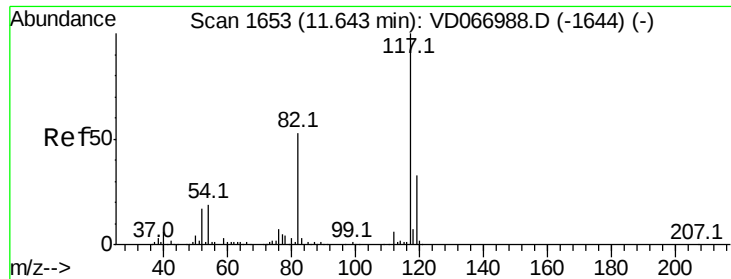
Tot Ion:107 Resp: 142101
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 52.545 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion: 95 Resp: 237399
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 167.6
 176 83.1 0.0 162.4

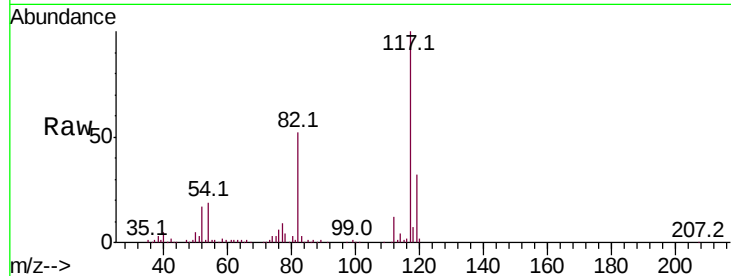




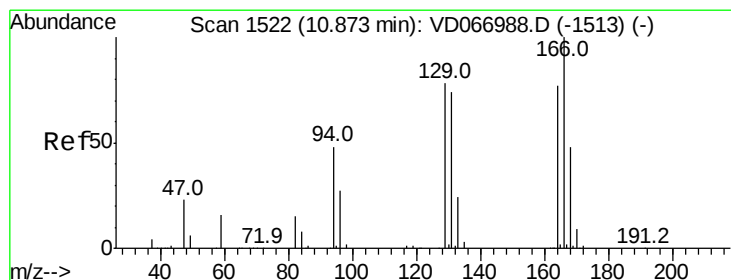
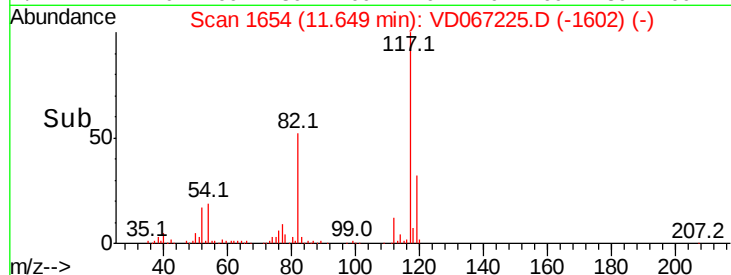
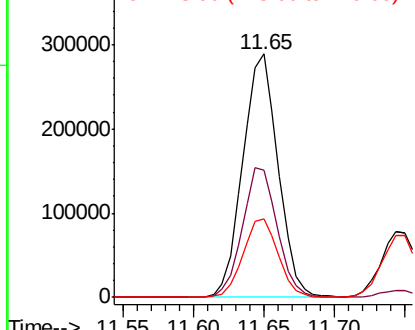
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 506501
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 32.4 26.3 39.5

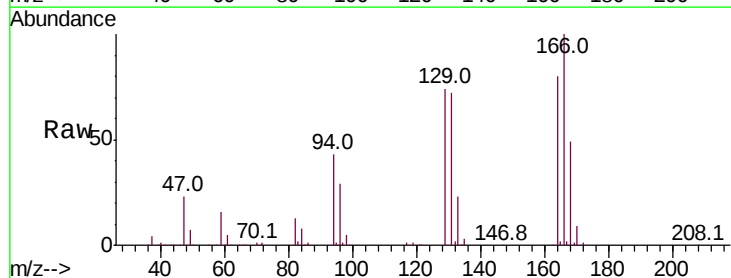


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

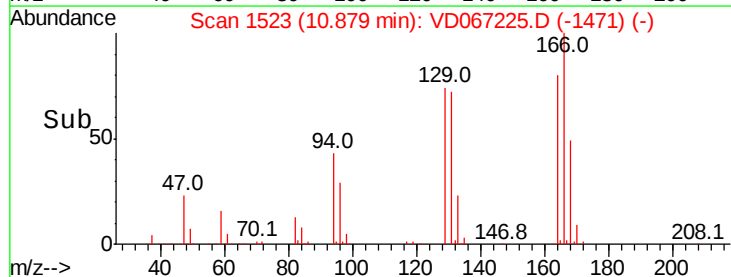
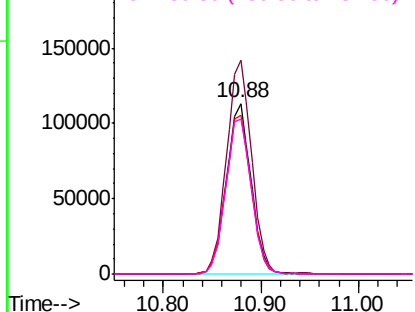


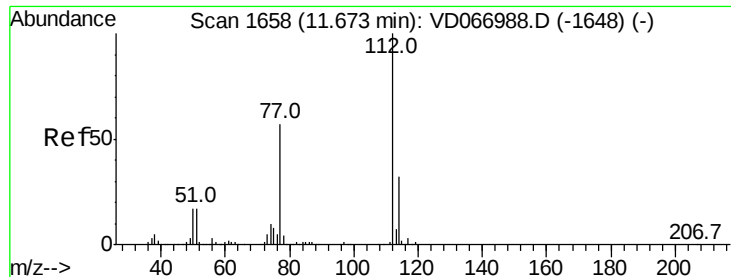
#64
Tetrachloroethene
Concen: 54.229 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion:164 Resp: 199686
Ion Ratio Lower Upper
164 100
166 125.4 104.4 156.6
129 92.9 81.3 121.9
131 90.8 77.1 115.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

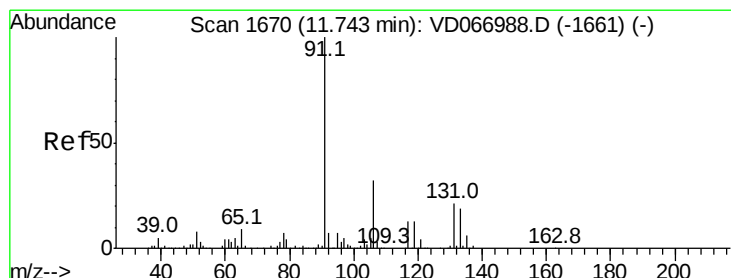
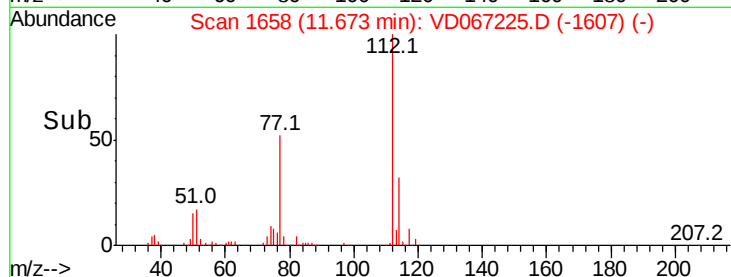
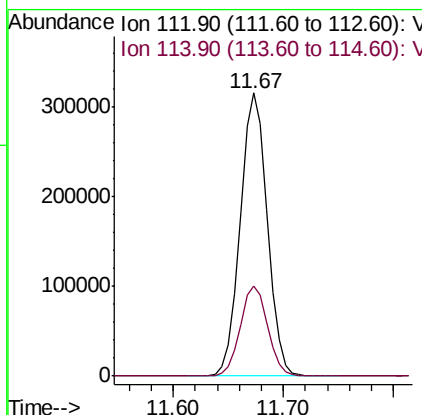
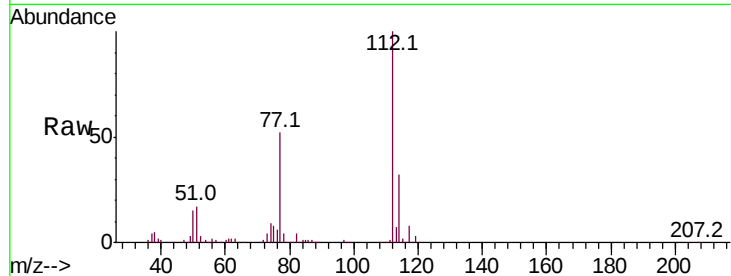




#65
Chlorobenzene
Concen: 53.945 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

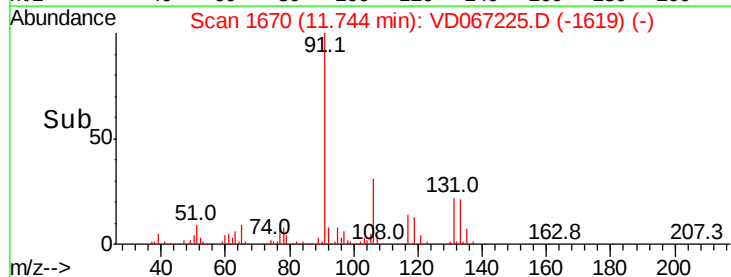
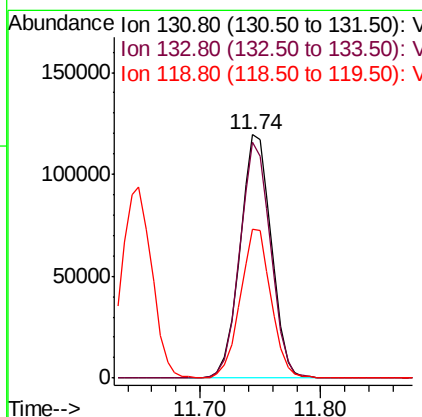
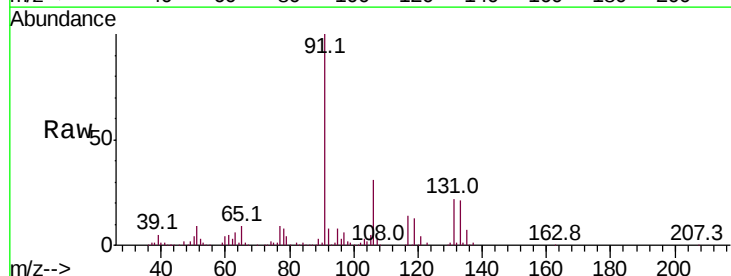
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

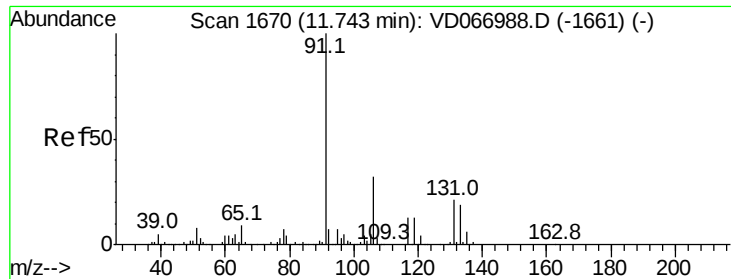
Tot Ion:112 Resp: 543418
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 56.202 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion:131 Resp: 215359
Ion Ratio Lower Upper
131 100
133 95.8 47.8 143.3
119 60.4 32.3 96.8





#67

Ethyl Benzene

Concen: 55.789 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

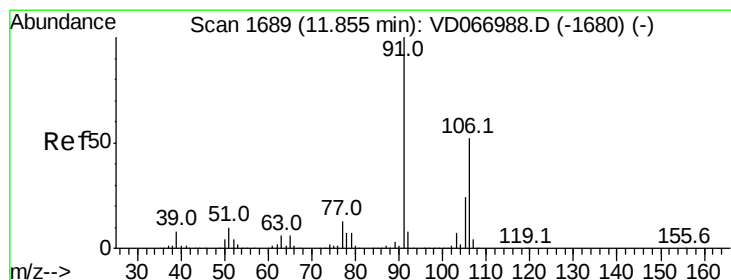
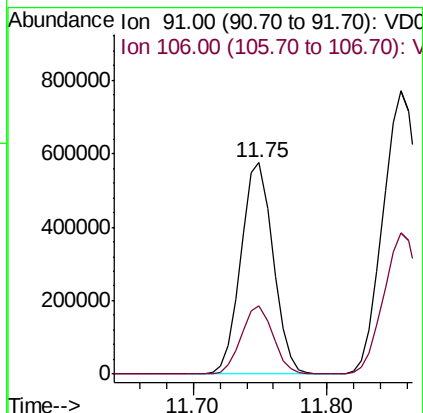
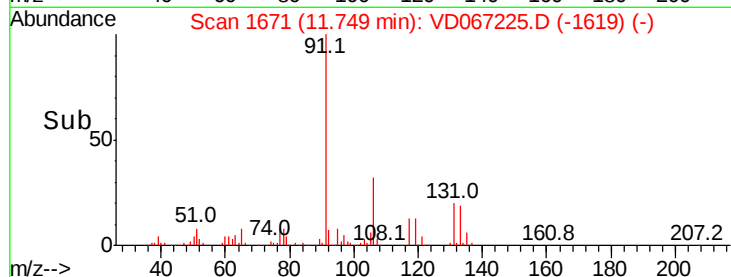
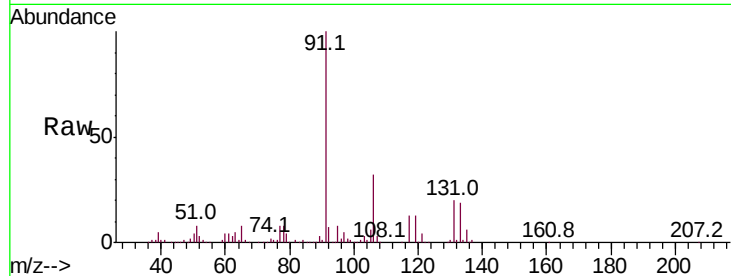
VSTDCCC050

Tot Ion: 91 Resp: 962936

Ion Ratio Lower Upper

91 100

106 32.4 25.4 38.2



#68

m/p-Xylenes

Concen: 109.162 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067225.D

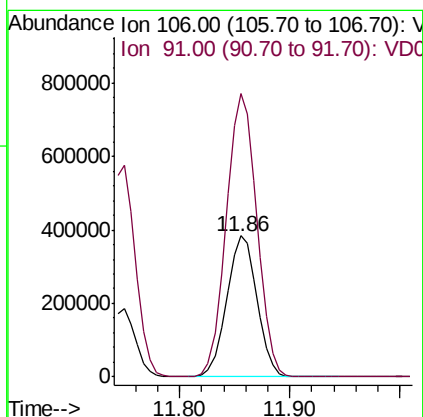
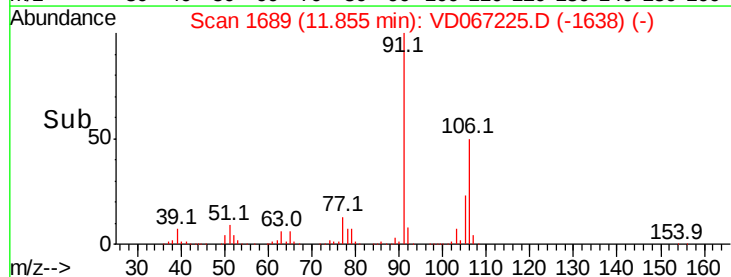
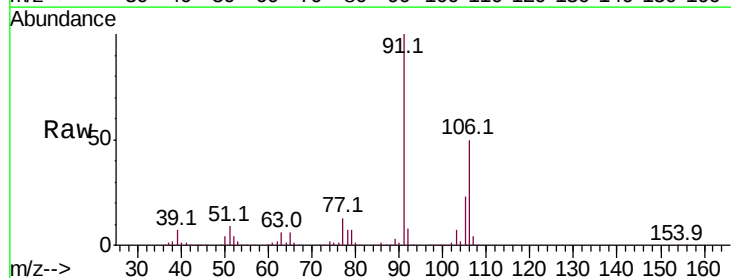
Acq: 12 Oct 2020 10:58

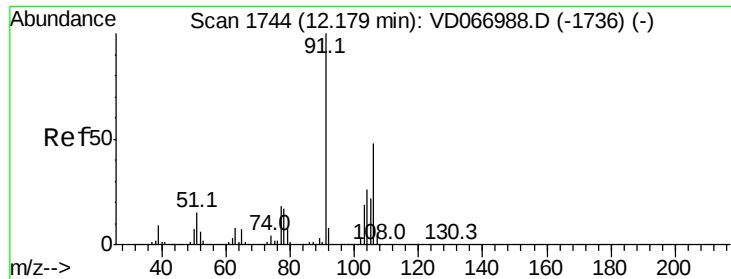
Tgt Ion: 106 Resp: 734282

Ion Ratio Lower Upper

106 100

91 203.8 158.4 237.6

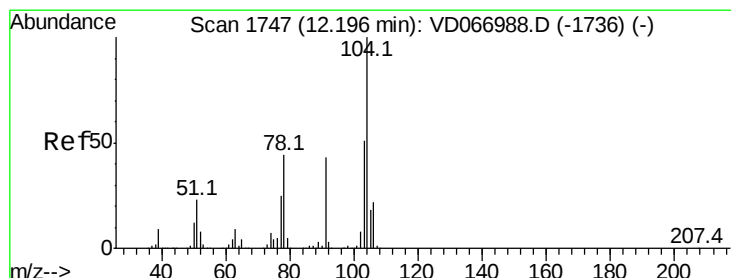
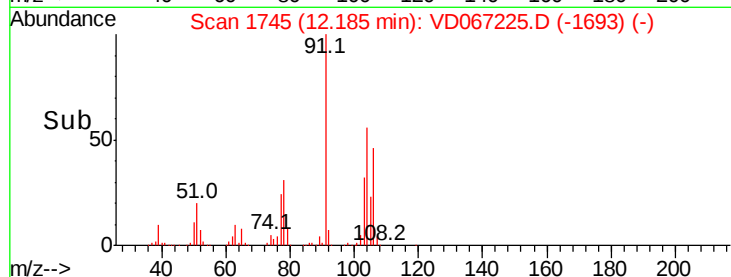
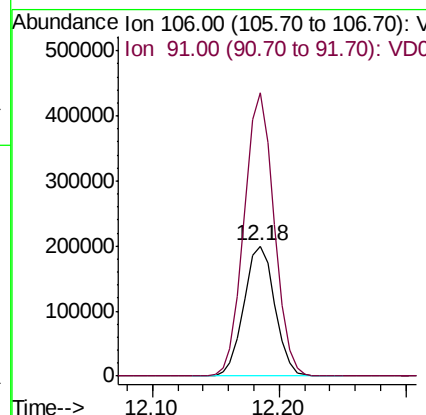
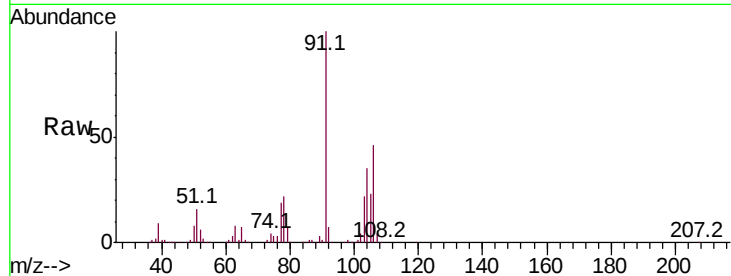




#69
o-Xylene
Concen: 56.273 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

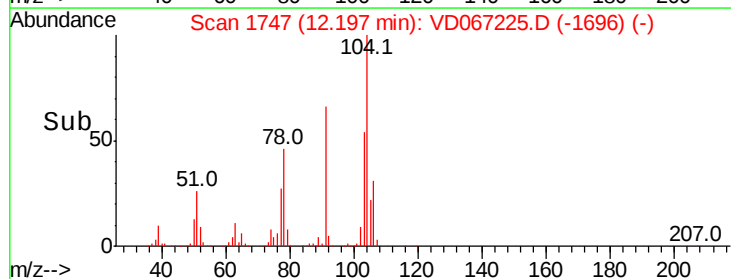
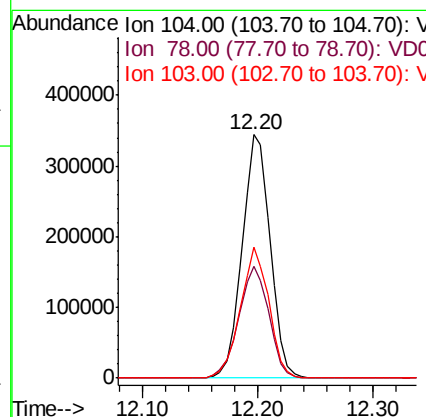
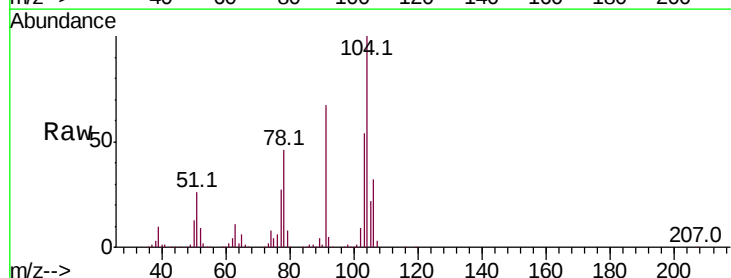
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

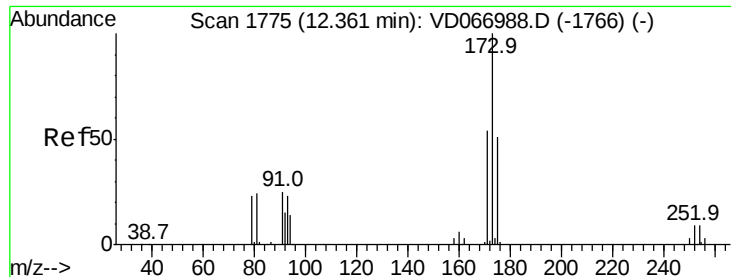
Tot Ion:106 Resp: 338494
Ion Ratio Lower Upper
106 100
91 211.2 102.4 307.2



#70
Styrene
Concen: 55.839 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion:104 Resp: 576763
Ion Ratio Lower Upper
104 100
78 49.7 38.6 58.0
103 54.9 43.4 65.0





#71

Bromoform

Concen: 56.283 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

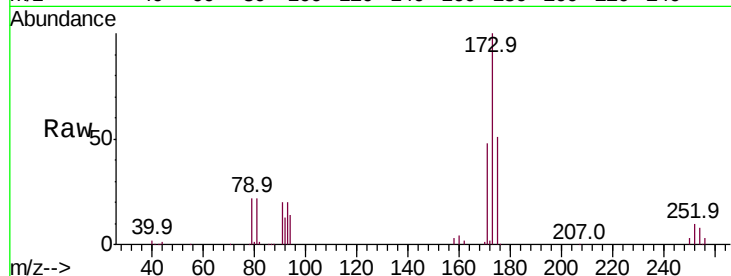
Tot Ion:173 Resp: 111950

Ion Ratio Lower Upper

173 100

175 49.9 24.9 74.7

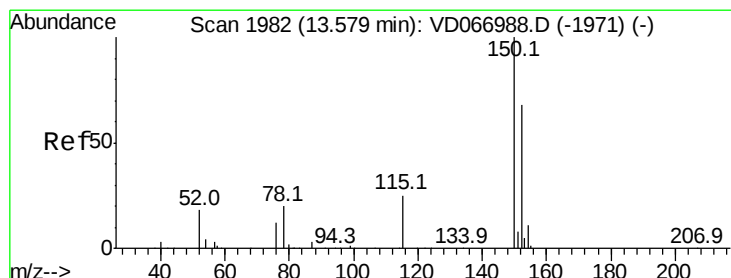
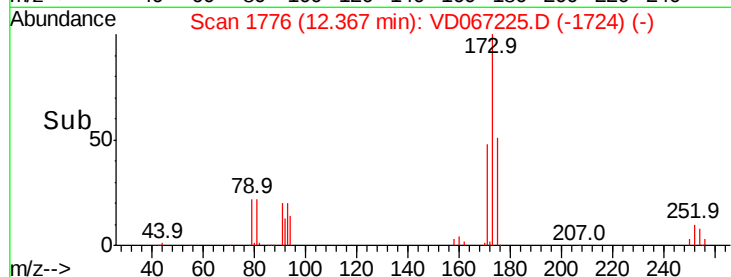
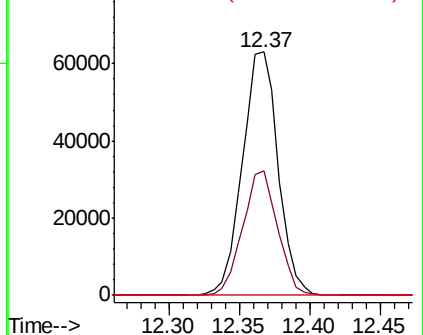
254 0.1 0.2 0.4#



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: VD067225.D

Acq: 12 Oct 2020 10:58

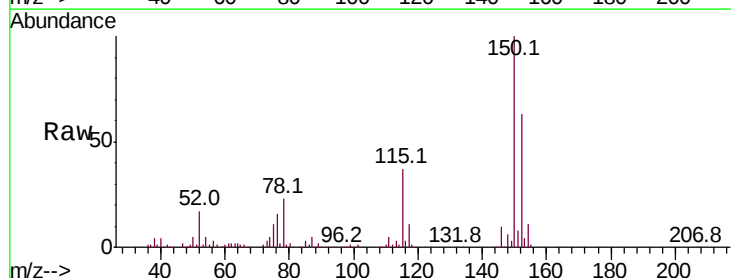
Tgt Ion:152 Resp: 246519

Ion Ratio Lower Upper

152 100

115 59.7 29.6 88.8

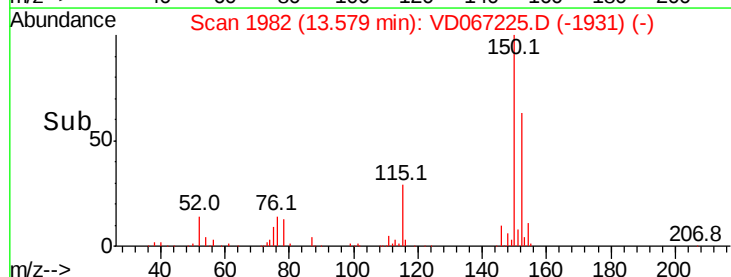
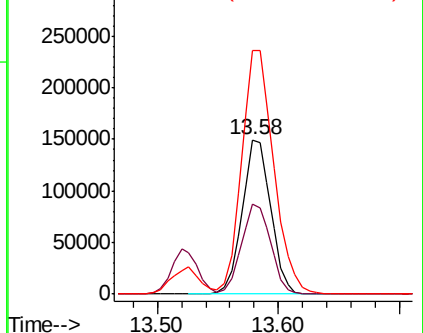
150 177.1 0.0 344.8

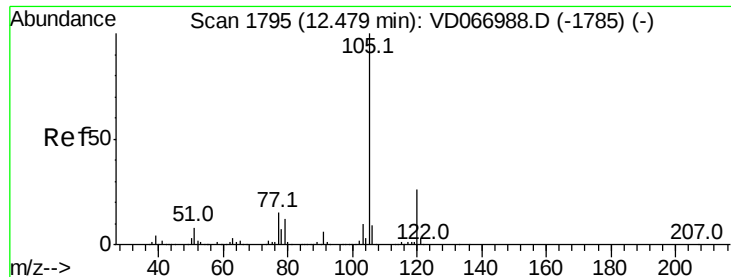


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.047 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

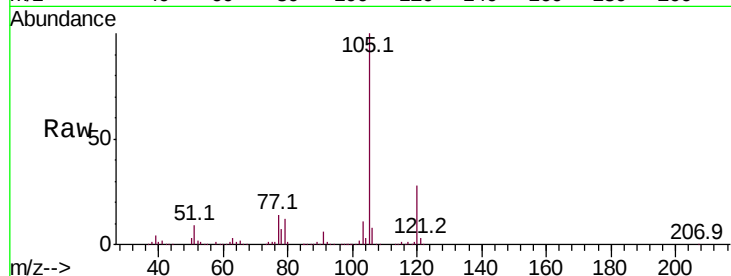
VSTDCCC050

Tot Ion:105 Resp: 954903

Ion Ratio Lower Upper

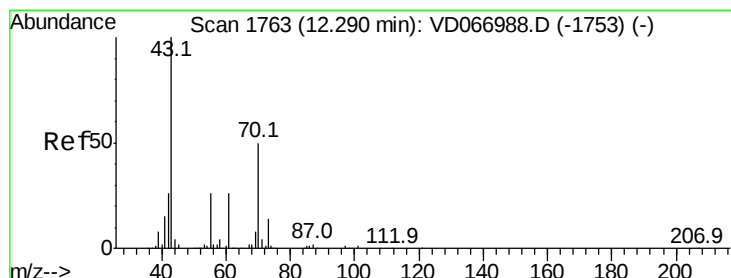
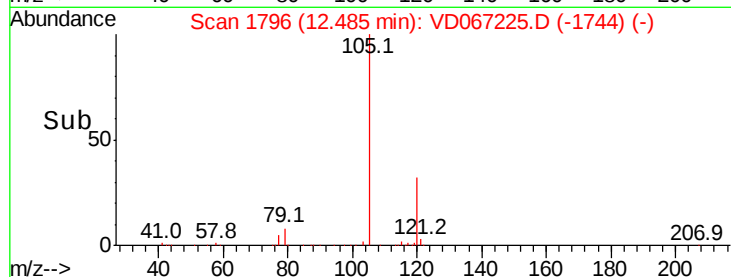
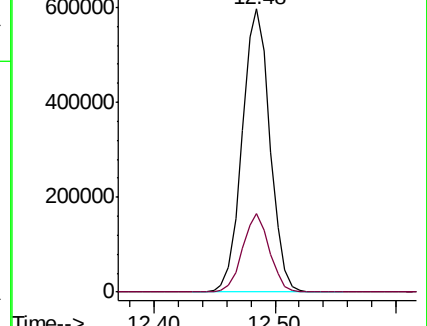
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.192 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion: 43 Resp: 148024

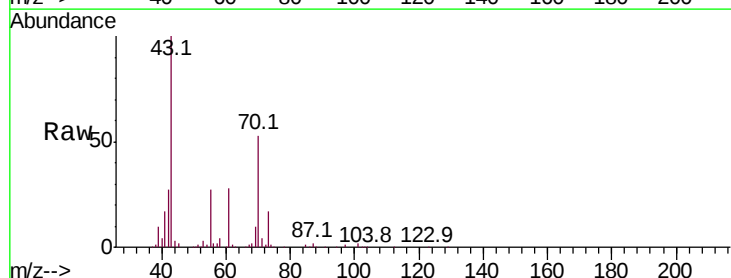
Ion Ratio Lower Upper

43 100

70 51.5 38.2 57.2

55 29.0 22.4 33.6

61 26.5 20.6 31.0

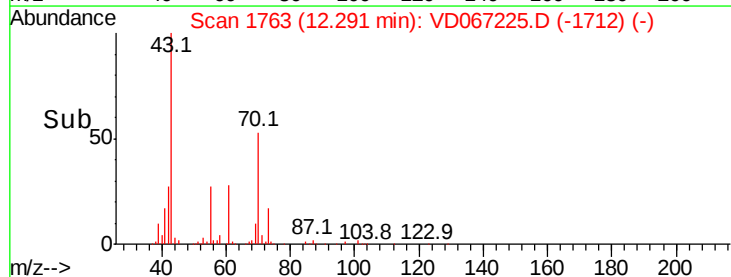
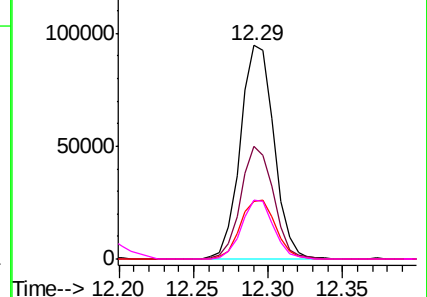


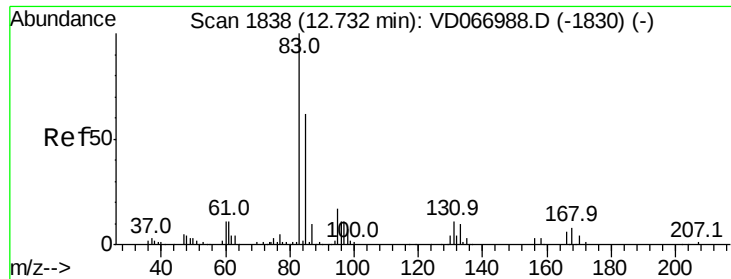
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.781 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

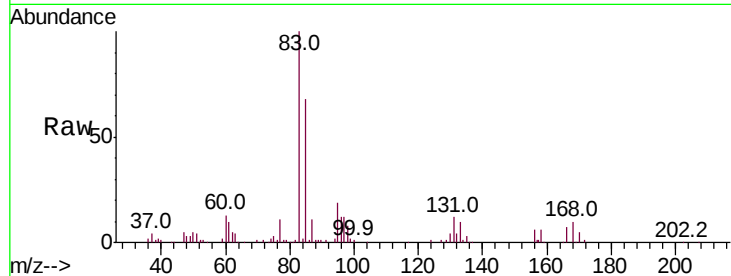
Tot Ion: 83 Resp: 140395

Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.7	17.0
85	66.4	32.0	96.2

83 100

131 12.2 5.7 17.0

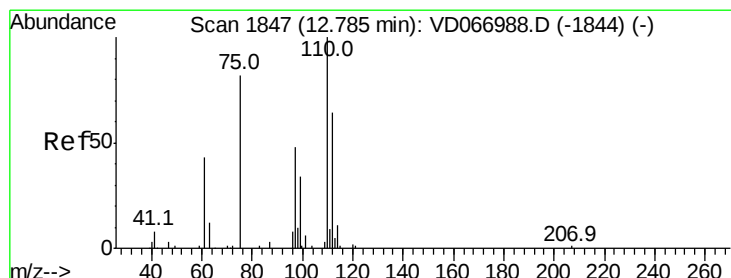
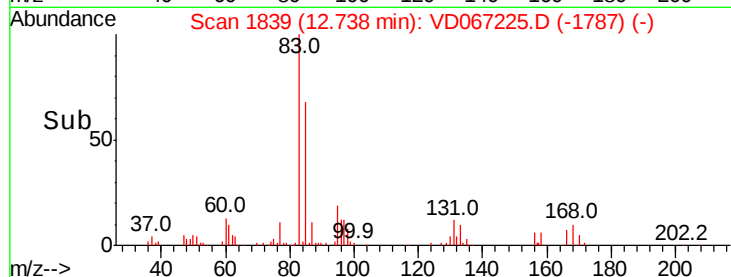
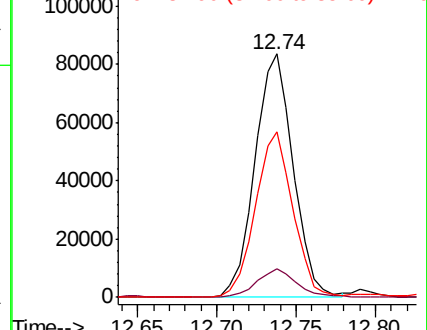
85 66.4 32.0 96.2



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: 87.301 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067225.D

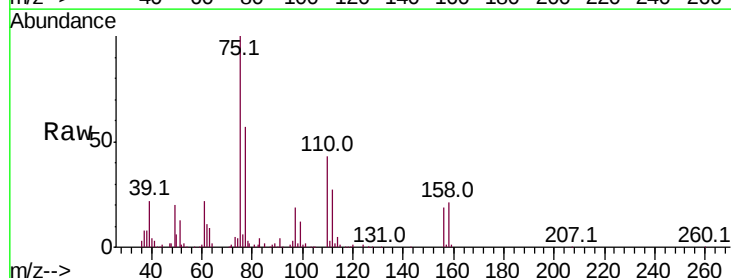
Acq: 12 Oct 2020 10:58

Tgt Ion: 75 Resp: 187459

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

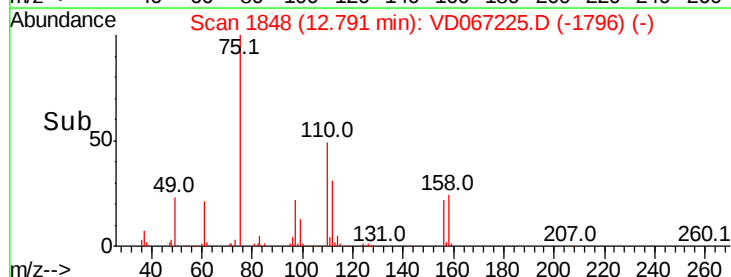
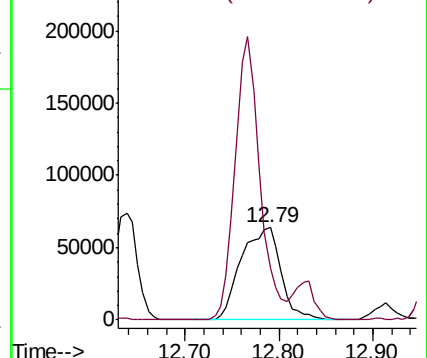
75 100

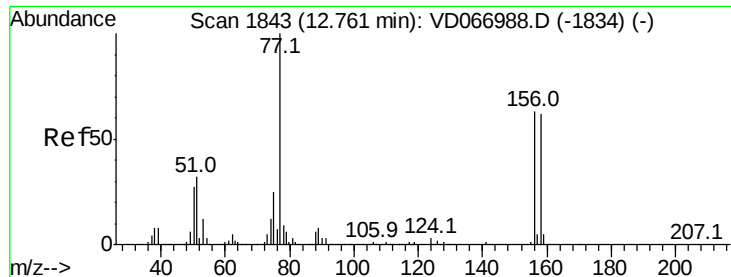
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 55.513 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

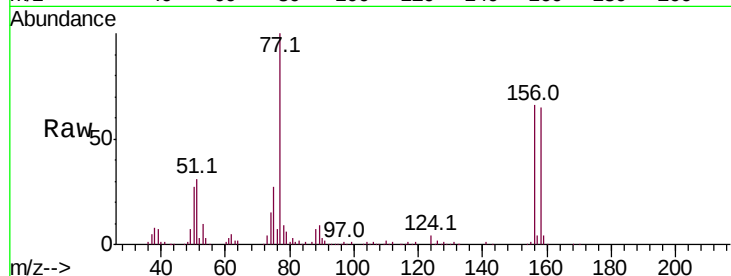
Tot Ion:156 Resp: 224374

Ion Ratio Lower Upper

156 100

77 161.4 86.3 258.8

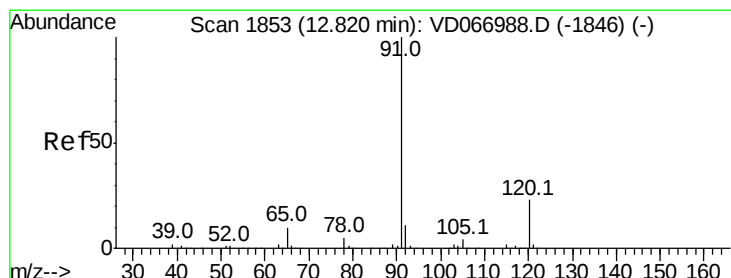
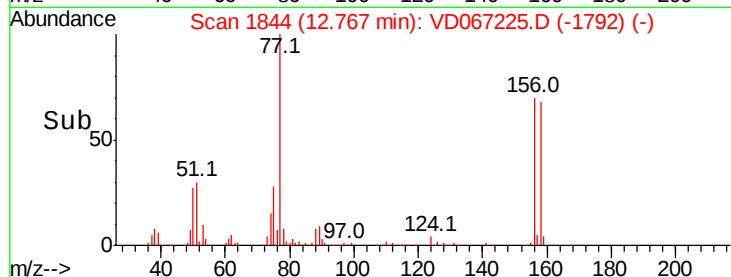
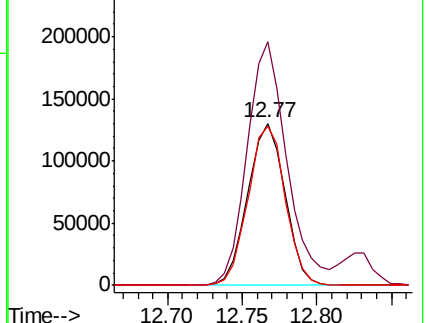
158 97.8 49.5 148.3



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: 55.779 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067225.D

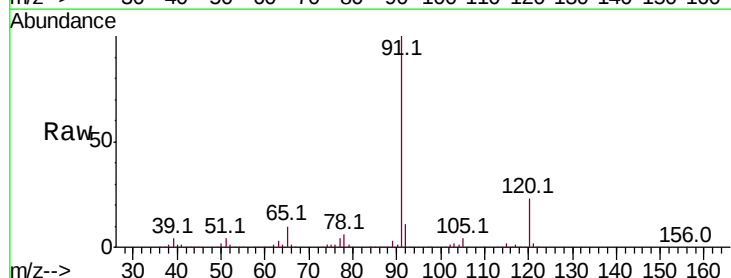
Acq: 12 Oct 2020 10:58

Tgt Ion: 91 Resp: 1103456

Ion Ratio Lower Upper

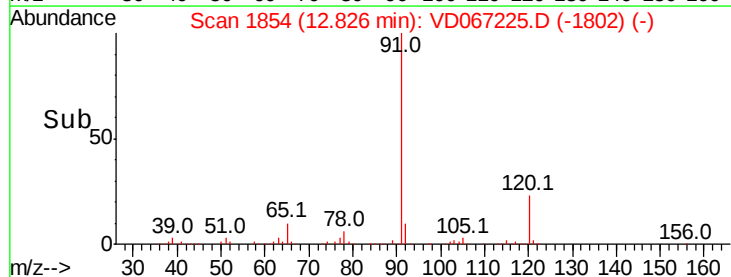
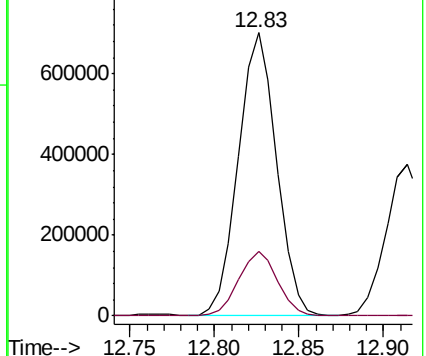
91 100

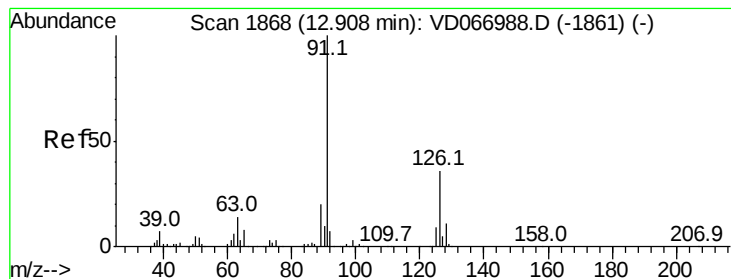
120 23.2 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.518 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

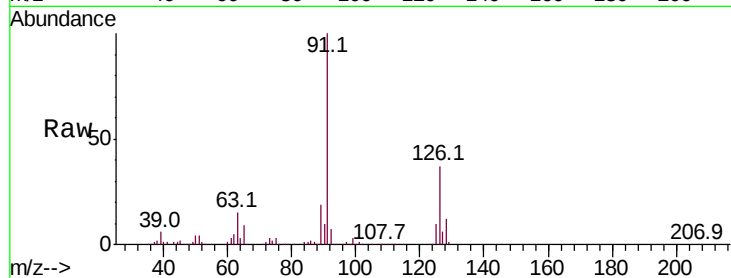
VSTDCCC050

Tot Ion: 91 Resp: 617063

Ion Ratio Lower Upper

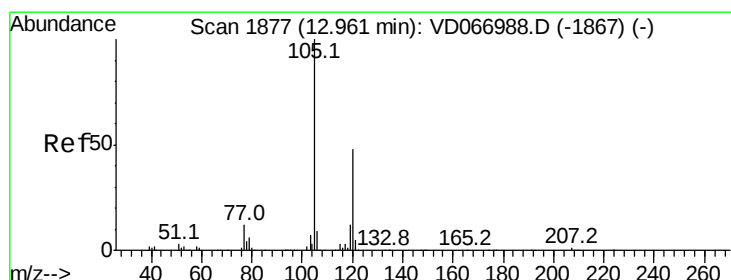
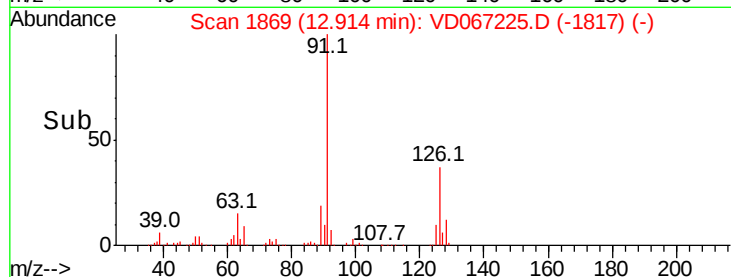
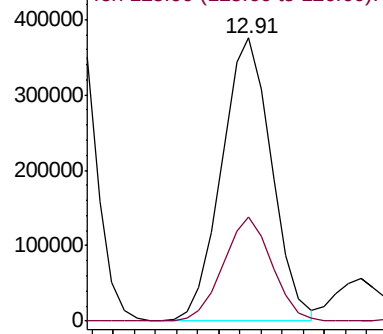
91 100

126 35.9 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.896 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067225.D

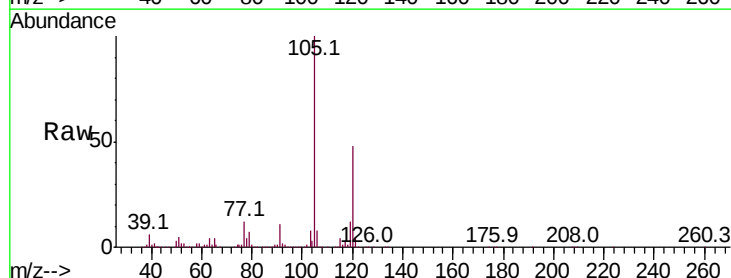
Acq: 12 Oct 2020 10:58

Tgt Ion: 105 Resp: 804644

Ion Ratio Lower Upper

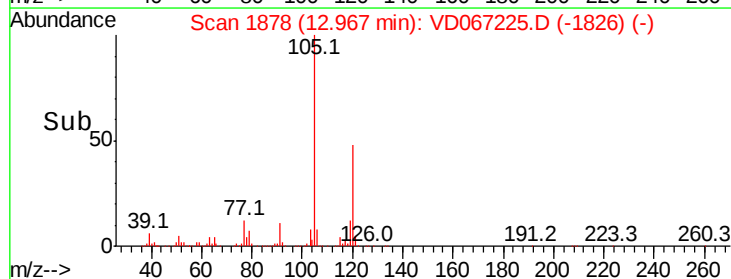
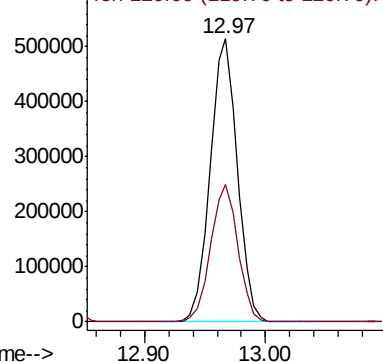
105 100

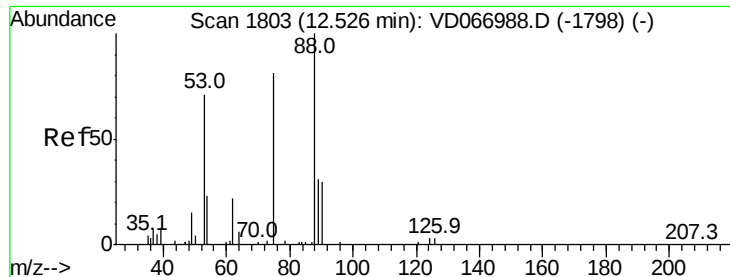
120 48.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.775 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

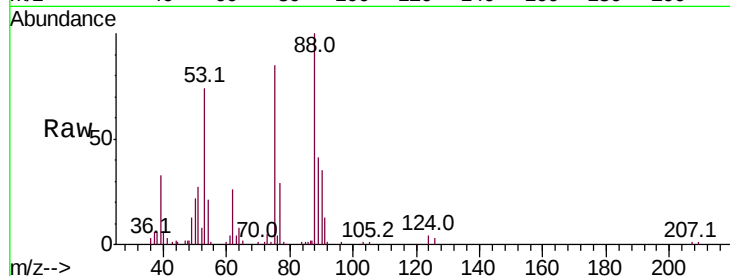
Tot Ion: 75 Resp: 45454

Ion Ratio Lower Upper

75 100

53 90.3 73.8 110.6

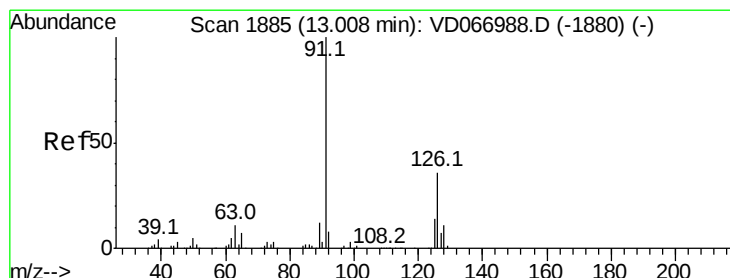
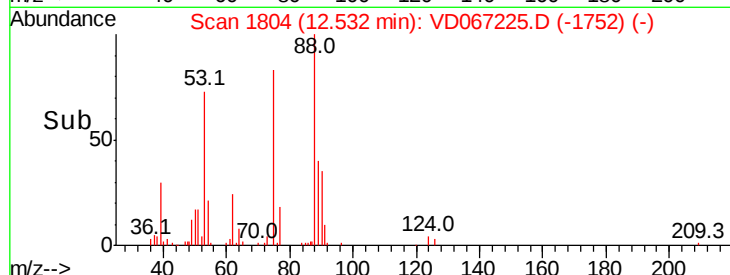
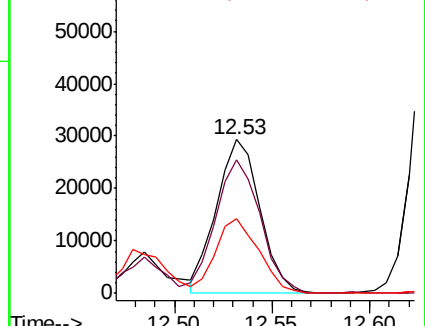
89 48.4 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 54.507 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD067225.D

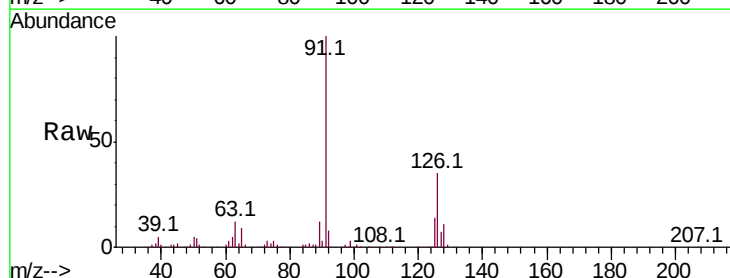
Acq: 12 Oct 2020 10:58

Tgt Ion: 91 Resp: 656391

Ion Ratio Lower Upper

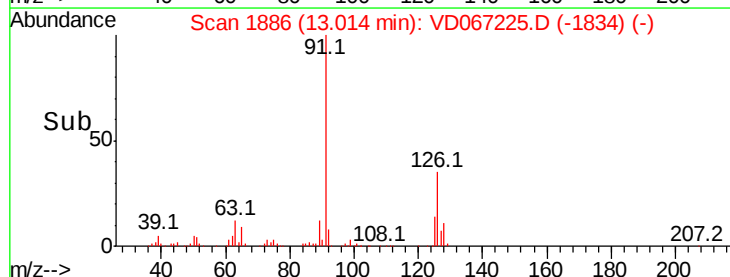
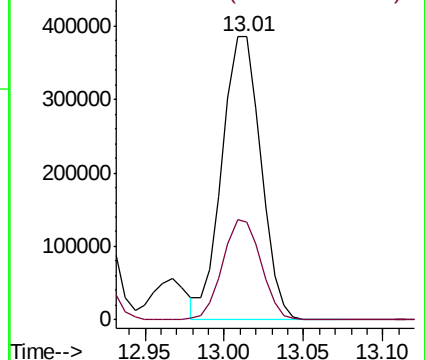
91 100

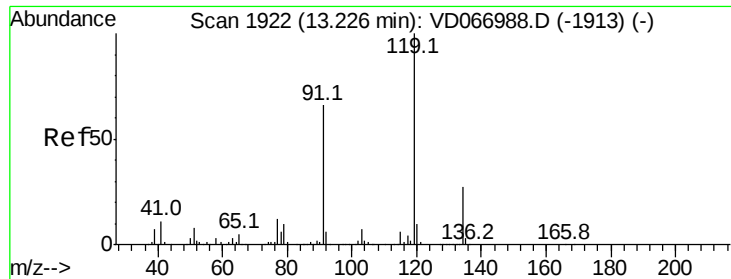
126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

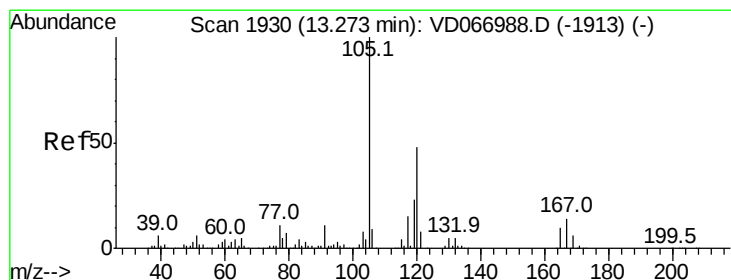
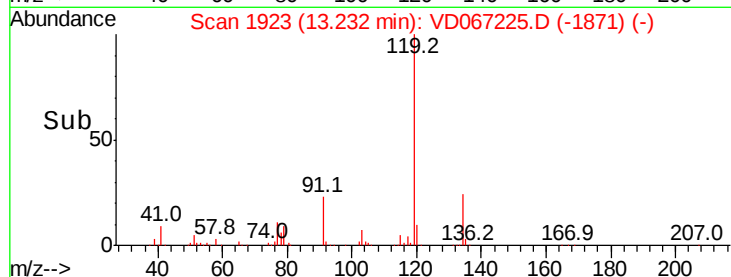
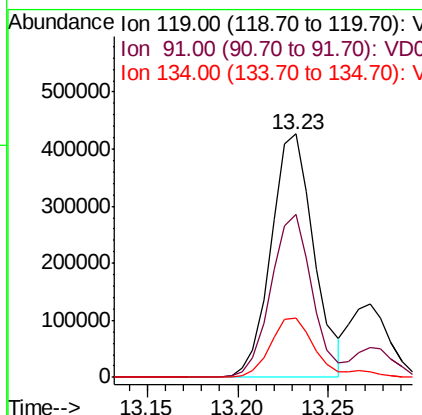
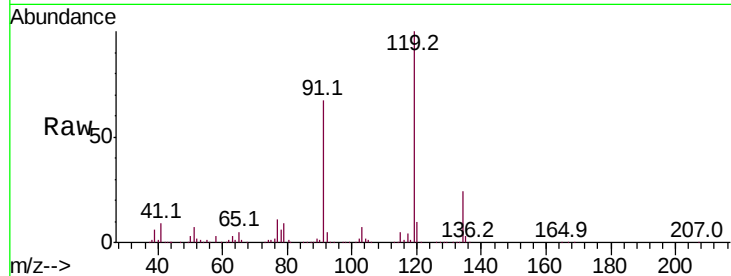




#83
tert-Butylbenzene
Concen: 59.104 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

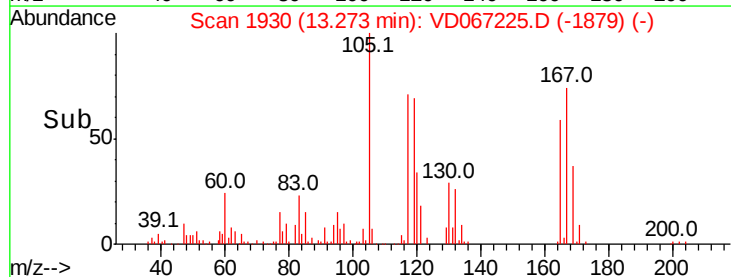
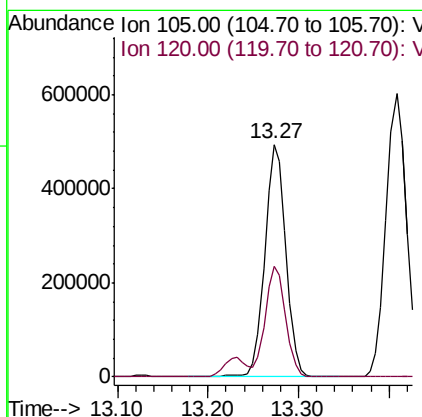
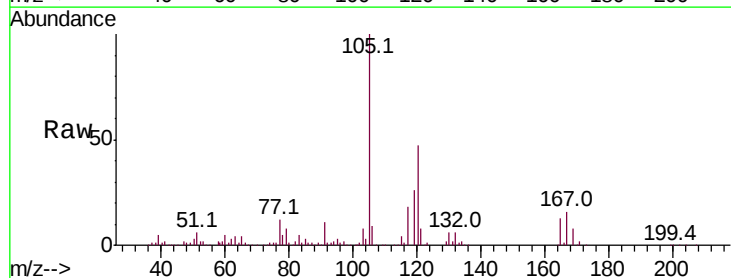
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

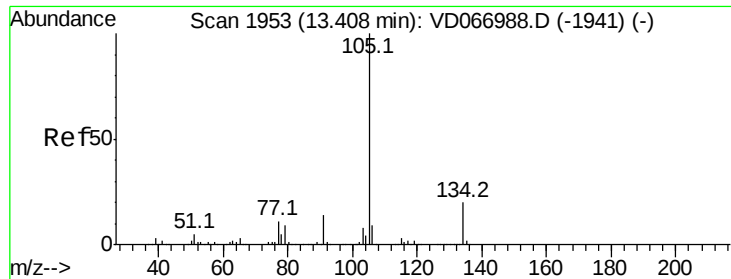
Tot Ion:119 Resp: 703886
Ion Ratio Lower Upper
119 100
91 64.2 32.8 98.3
134 26.5 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 56.736 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion:105 Resp: 800750
Ion Ratio Lower Upper
105 100
120 45.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 56.427 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

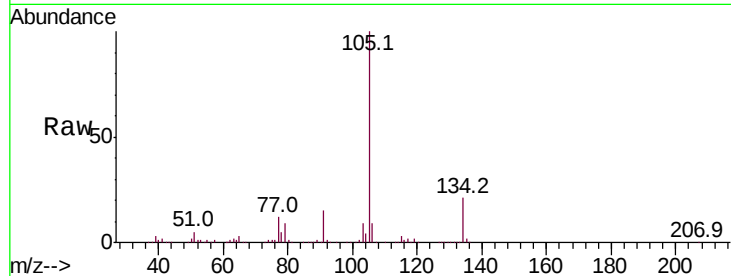
VSTDCCC050

Tot Ion:105 Resp: 946358

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

400000

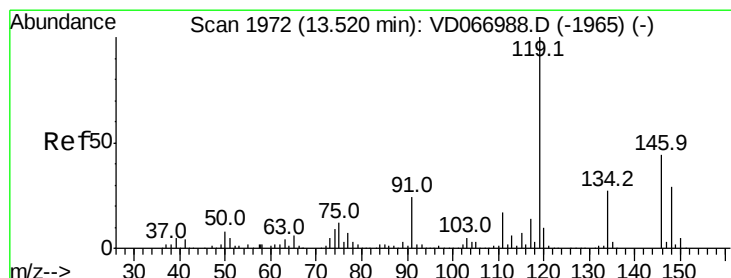
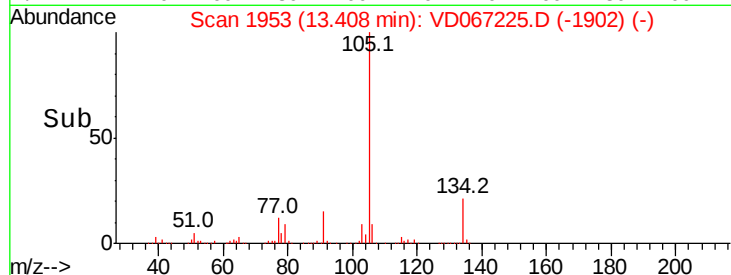
200000

0

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 57.089 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

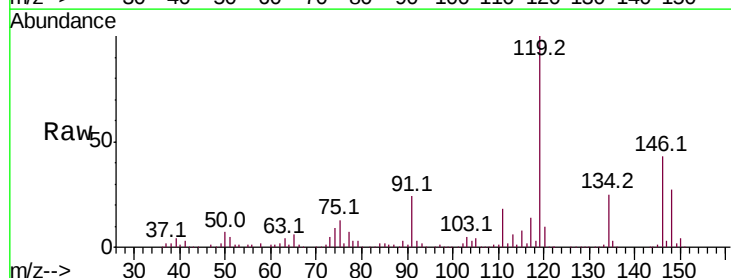
Tgt Ion:119 Resp: 887666

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 23.5 11.7 35.1



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

800000

600000

400000

200000

0

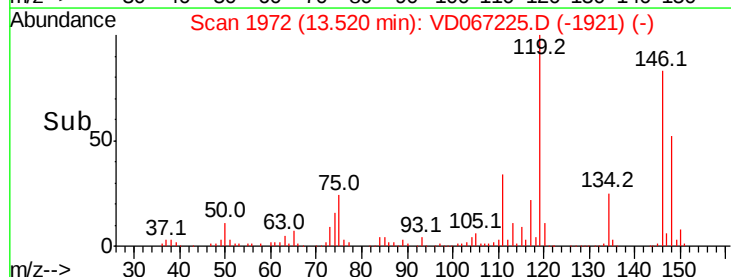
13.45

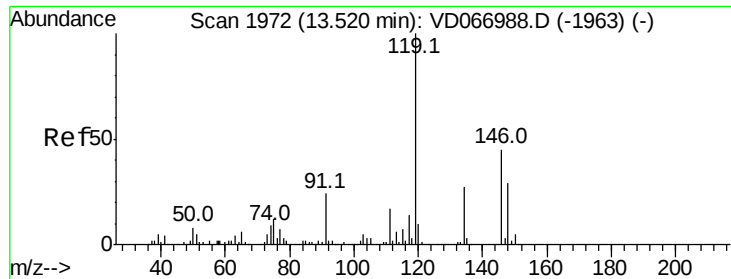
13.50

13.55

13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 53.568 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

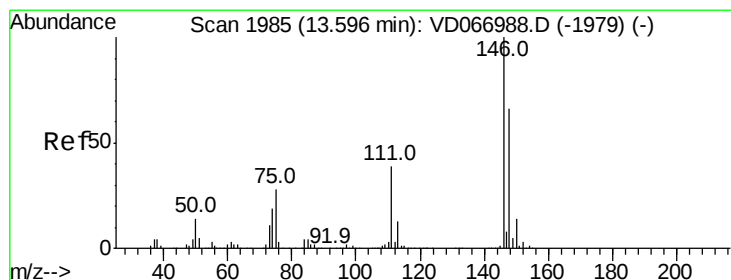
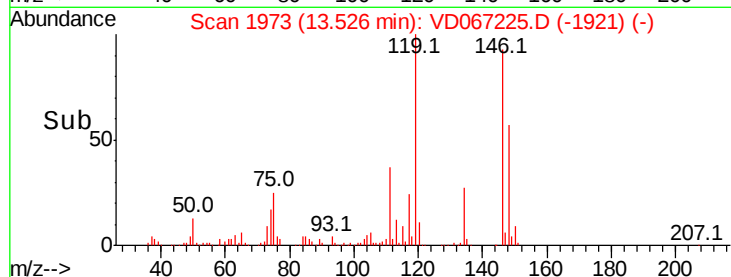
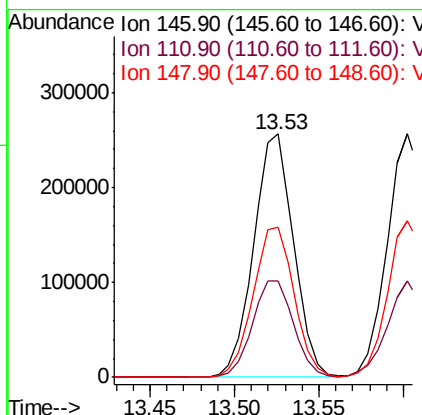
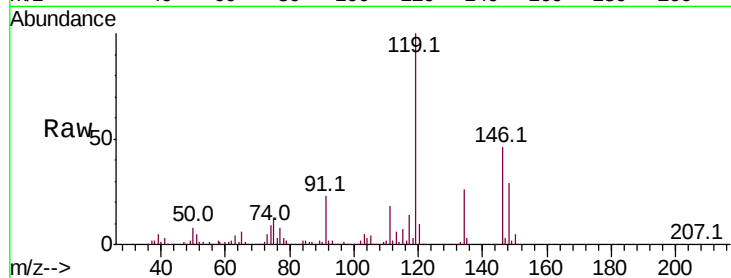
Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 421731

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	63.4	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 53.691 ug/l

RT: 13.60 min Scan# 1986

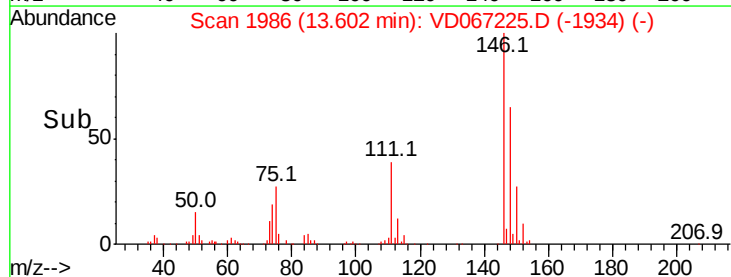
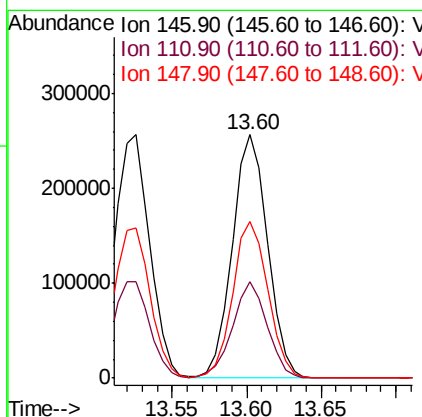
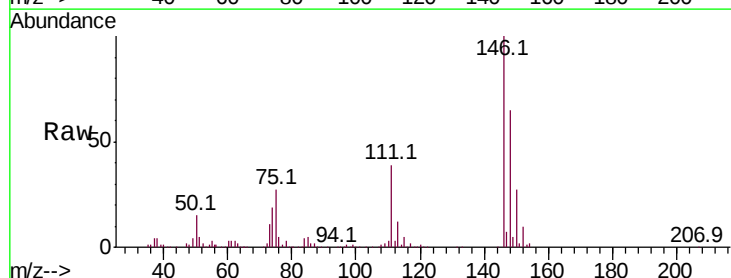
Delta R.T. 0.01 min

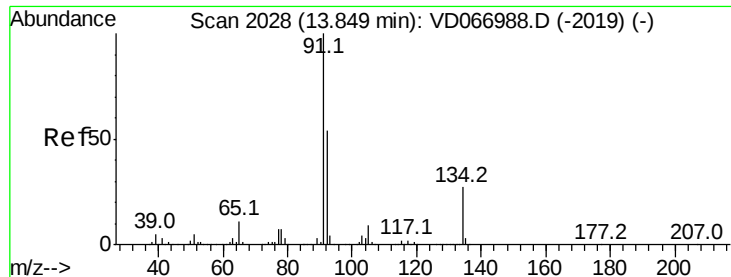
Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:146 Resp: 422657

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.4	32.6	97.7

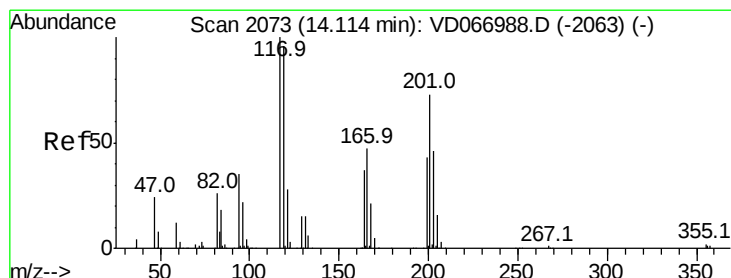
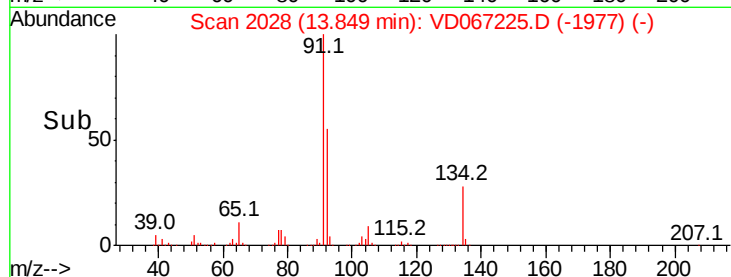
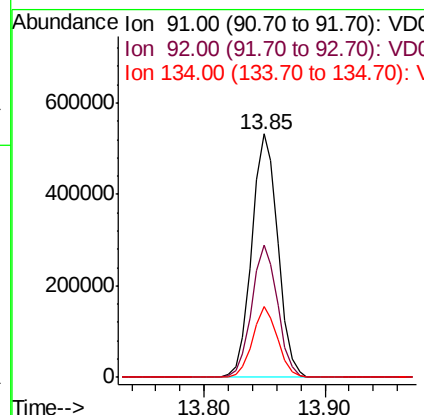
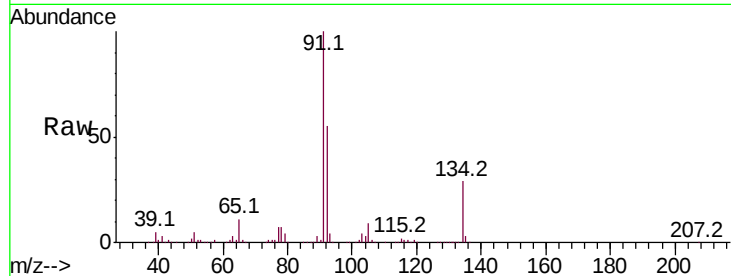




#89
n-Butylbenzene
Concen: 56.295 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

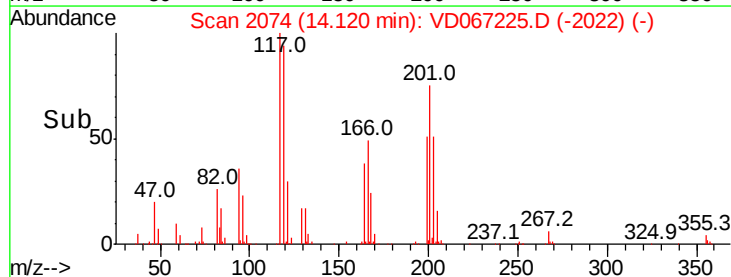
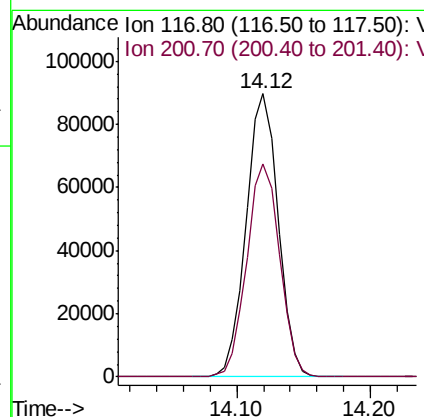
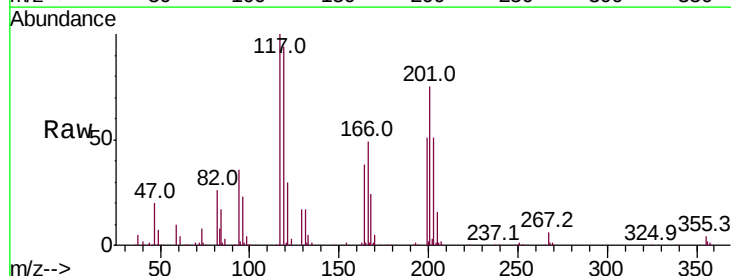
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

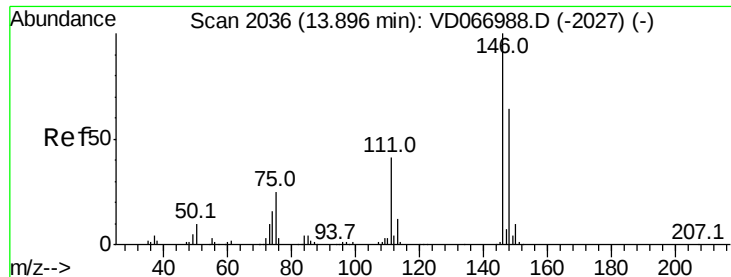
Tot Ion: 91 Resp: 799972
Ion Ratio Lower Upper
91 100
92 53.8 27.1 81.2
134 27.7 13.6 40.8



#90
Hexachloroethane
Concen: 54.396 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 117 Resp: 148155
Ion Ratio Lower Upper
117 100
201 77.6 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 54.078 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

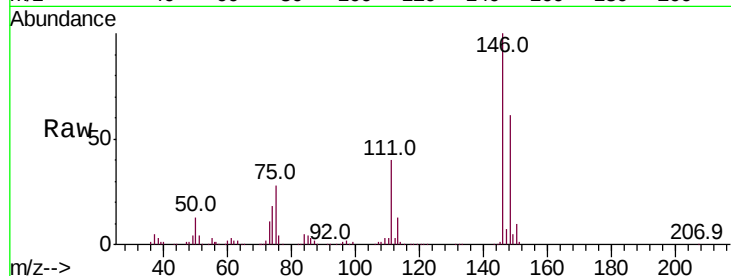
Tot Ion:146 Resp: 371817

Ion Ratio Lower Upper

146 100

111 41.7 20.9 62.7

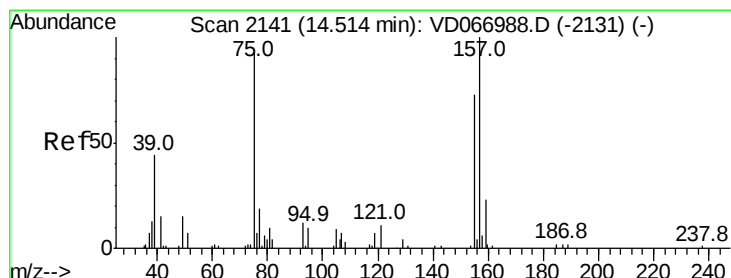
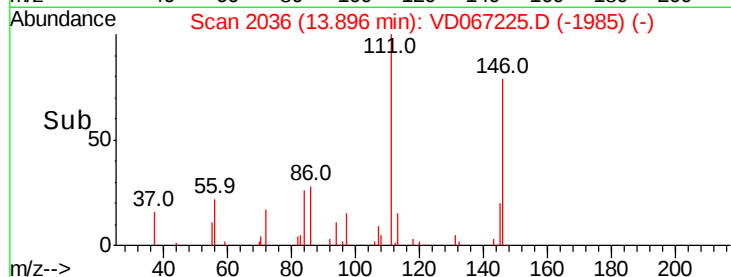
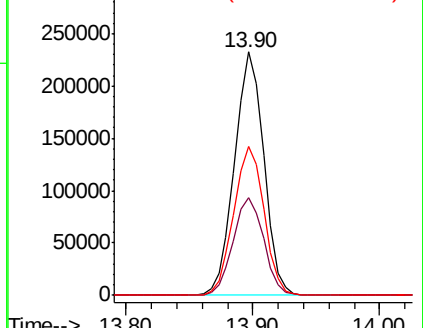
148 63.3 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.884 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

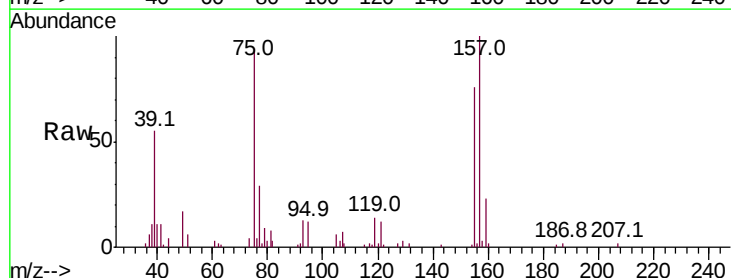
Tgt Ion: 75 Resp: 24497

Ion Ratio Lower Upper

75 100

155 88.5 45.2 135.6

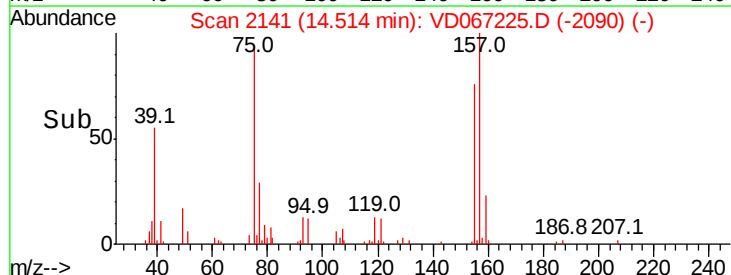
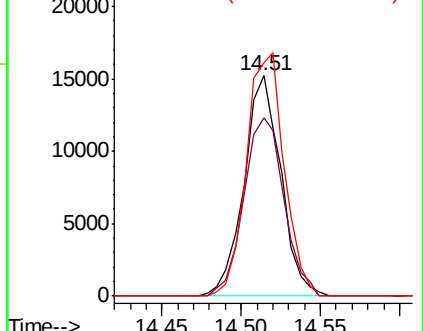
157 113.1 56.3 168.8

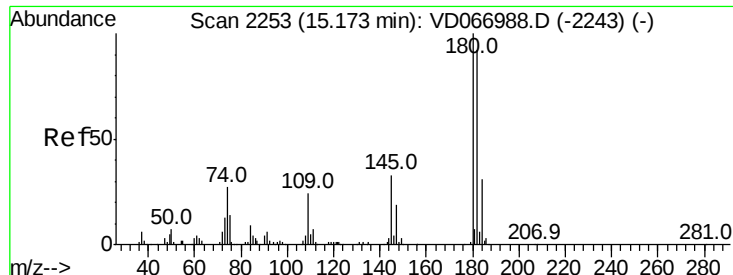


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

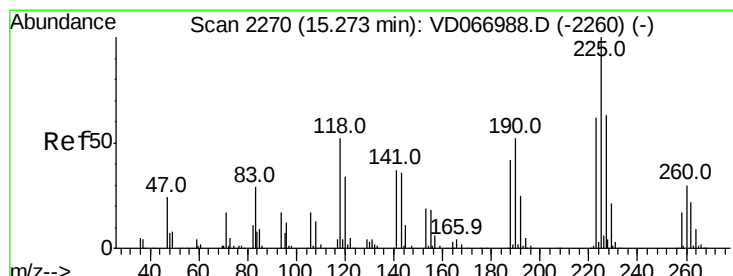
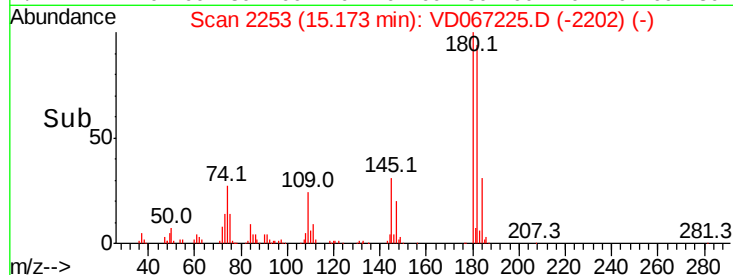
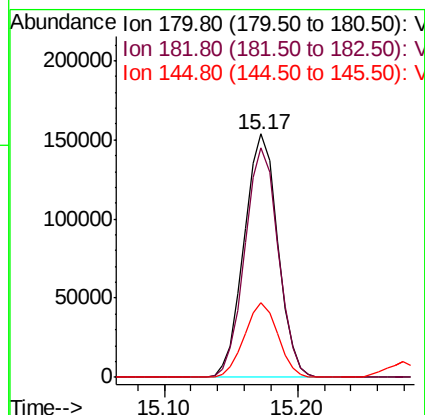
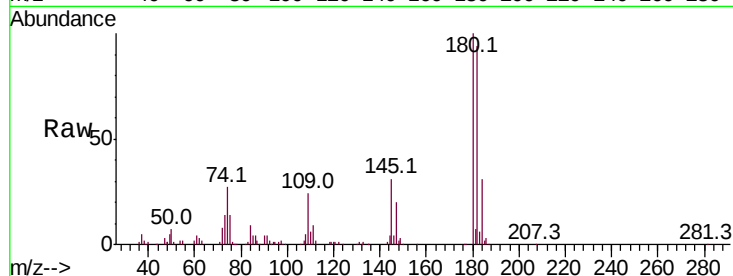




#93
 1,2,4-Trichlorobenzene
 Concen: 60.095 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

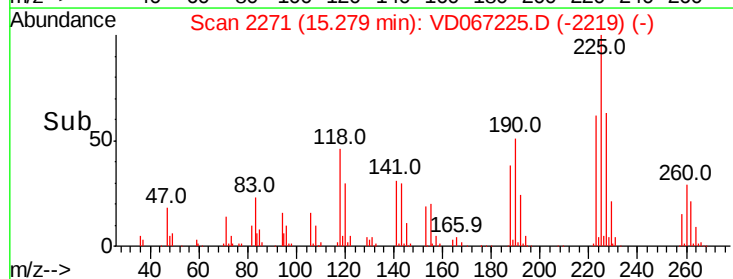
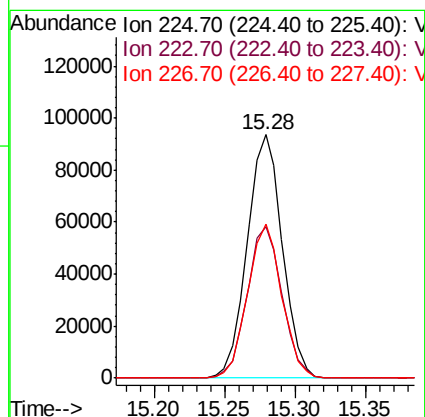
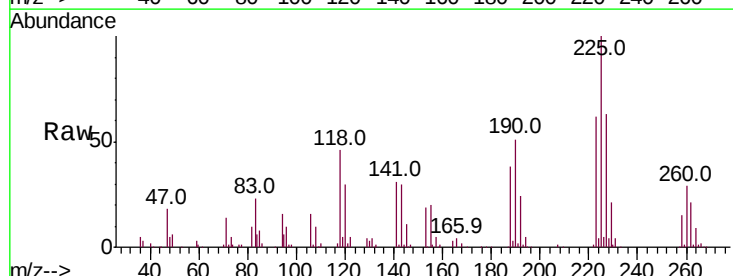
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

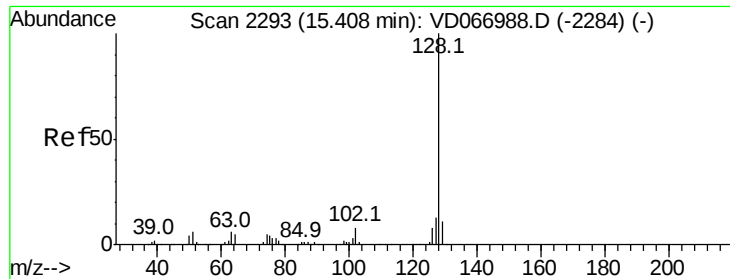
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	142.0
145	30.6	16.4	49.1



#94
 Hexachlorobutadiene
 Concen: 59.922 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.0
227	61.4	31.6	95.0

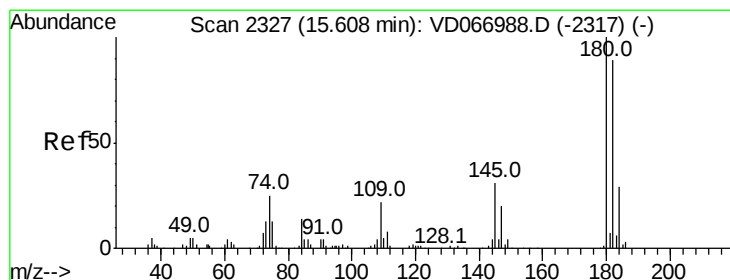
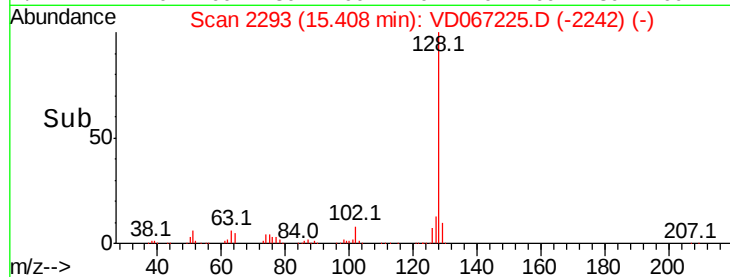
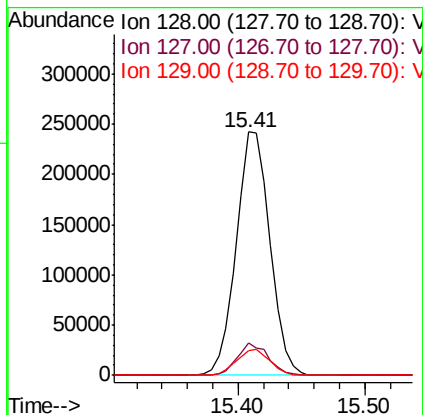
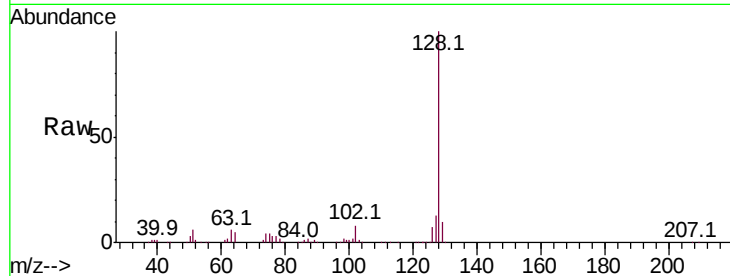




#95
Naphthalene
Concen: 60.118 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 445955
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 58.093 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion:180 Resp: 224279
Ion Ratio Lower Upper
180 100
182 96.3 46.4 139.1
145 33.6 16.6 49.7

