

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067533.D
 Acq On : 05 Nov 2020 09:46
 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: Nov 06 00:13:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	347038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	445424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	131730	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
35) Dibromofluoromethane	7.92	113	134426	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	10.34	98	472015	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
62) 4-Bromofluorobenzene	12.64	95	166823	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135355	48.001	ug/l	97
3) Chloromethane	2.21	50	96407	44.611	ug/l	98
4) Vinyl Chloride	2.35	62	104031	43.177	ug/l	97
5) Bromomethane	2.77	94	86129	44.104	ug/l	99
6) Chloroethane	2.93	64	64743	43.585	ug/l	93
7) Trichlorofluoromethane	3.28	101	284515	45.606	ug/l	97
8) Diethyl Ether	3.71	74	56437	44.896	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	146352	46.475	ug/l	100
10) Methyl Iodide	4.30	142	149792	44.382	ug/l	99
11) Tert butyl alcohol	5.21	59	31353	238.862	ug/l	97
12) 1,1-Dichloroethene	4.07	96	133161	45.972	ug/l	95
13) Acrolein	3.93	56	31546	236.009	ug/l	98
14) Allyl chloride	4.71	41	139857	45.115	ug/l	99
15) Acrylonitrile	5.42	53	105608	227.272	ug/l	99
16) Acetone	4.16	43	108600	239.159	ug/l	90
17) Carbon Disulfide	4.41	76	399901	45.055	ug/l	99
18) Methyl Acetate	4.71	43	40882	43.568	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	263953	46.198	ug/l	95
20) Methylene Chloride	4.96	84	138098	43.053	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	152470	45.193	ug/l	97
22) Diisopropyl ether	6.37	45	280564	46.442	ug/l	98
23) Vinyl Acetate	6.30	43	773548	244.621	ug/l	99
24) 1,1-Dichloroethane	6.26	63	222059	44.931	ug/l	96
25) 2-Butanone	7.21	43	114006	234.963	ug/l	99
26) 2,2-Dichloropropane	7.21	77	245981	47.159	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	162906	46.521	ug/l	97
28) Bromochloromethane	7.54	49	81565	46.398	ug/l	93
29) Tetrahydrofuran	7.57	42	71164	244.851	ug/l	99
30) Chloroform	7.71	83	272973	46.298	ug/l	96
31) Cyclohexane	7.99	56	197582	44.894	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	275680	45.317	ug/l	99
36) 1,1-Dichloropropene	8.11	75	201868	47.951	ug/l	99
37) Ethyl Acetate	7.29	43	50592	46.289	ug/l	98
38) Carbon Tetrachloride	8.10	117	268922	49.165	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067533.D
 Acq On : 05 Nov 2020 09:46
 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: Nov 06 00:13:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	251939	50.846	ug/l	98
40) Benzene	8.36	78	556688	48.817	ug/l	100
41) Methacrylonitrile	7.53	41	26247	40.175	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	168505	47.826	ug/l	100
43) Isopropyl Acetate	8.45	43	101823	47.107	ug/l	99
44) Trichloroethene	9.11	130	178961	47.728	ug/l	96
45) 1,2-Dichloropropane	9.39	63	117974	47.849	ug/l	95
46) Dibromomethane	9.48	93	77167	49.225	ug/l	98
47) Bromodichloromethane	9.67	83	209264	49.113	ug/l	98
48) Methyl methacrylate	9.46	41	56338	50.480	ug/l	98
49) 1,4-Dioxane	9.46	88	15670	984.648	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	261451	252.912	ug/l	98
52) Toluene	10.41	92	378438	49.546	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	179235	49.115	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	203847	47.016	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	100129	48.274	ug/l	95
56) Ethyl methacrylate	10.66	69	106945	49.929	ug/l	96
57) 1,3-Dichloropropane	10.95	76	162713	48.749	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	247952	248.236	ug/l	99
59) 2-Hexanone	10.99	43	194797	269.500	ug/l	99
60) Dibromochloromethane	11.14	129	151894	49.504	ug/l	99
61) 1,2-Dibromoethane	11.25	107	101132	48.580	ug/l	99
64) Tetrachloroethene	10.88	164	161829	49.057	ug/l	95
65) Chlorobenzene	11.67	112	417766	48.690	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	164092	48.524	ug/l	99
67) Ethyl Benzene	11.75	91	733061	49.929	ug/l	100
68) m/p-Xylenes	11.86	106	571675	100.083	ug/l	99
69) o-Xylene	12.18	106	257271	50.447	ug/l	98
70) Styrene	12.20	104	437694	49.253	ug/l	99
71) Bromoform	12.37	173	83416	48.366	ug/l #	99
73) Isopropylbenzene	12.48	105	738507	50.863	ug/l	99
74) N-amyl acetate	12.29	43	93748	49.069	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	96060	48.517	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	135041	99.640	ug/l #	100
77) Bromobenzene	12.77	156	174494	48.935	ug/l	97
78) n-propylbenzene	12.83	91	845270	50.896	ug/l	100
79) 2-Chlorotoluene	12.91	91	472124	50.045	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	633365	51.064	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31034	46.490	ug/l	96
82) 4-Chlorotoluene	13.01	91	506663	50.075	ug/l	99
83) tert-Butylbenzene	13.23	119	550403	52.360	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	625791	50.686	ug/l	97
85) sec-Butylbenzene	13.41	105	729092	51.379	ug/l	99
86) p-Isopropyltoluene	13.52	119	702517	51.266	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	332706	48.898	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	324829	47.148	ug/l	99
89) n-Butylbenzene	13.85	91	612988	51.788	ug/l	100
90) Hexachloroethane	14.11	117	128024	49.610	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	285769	48.528	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16648	47.491	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110520\
Data File : VD067533.D
Acq On : 05 Nov 2020 09:46
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: Nov 06 00:13:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

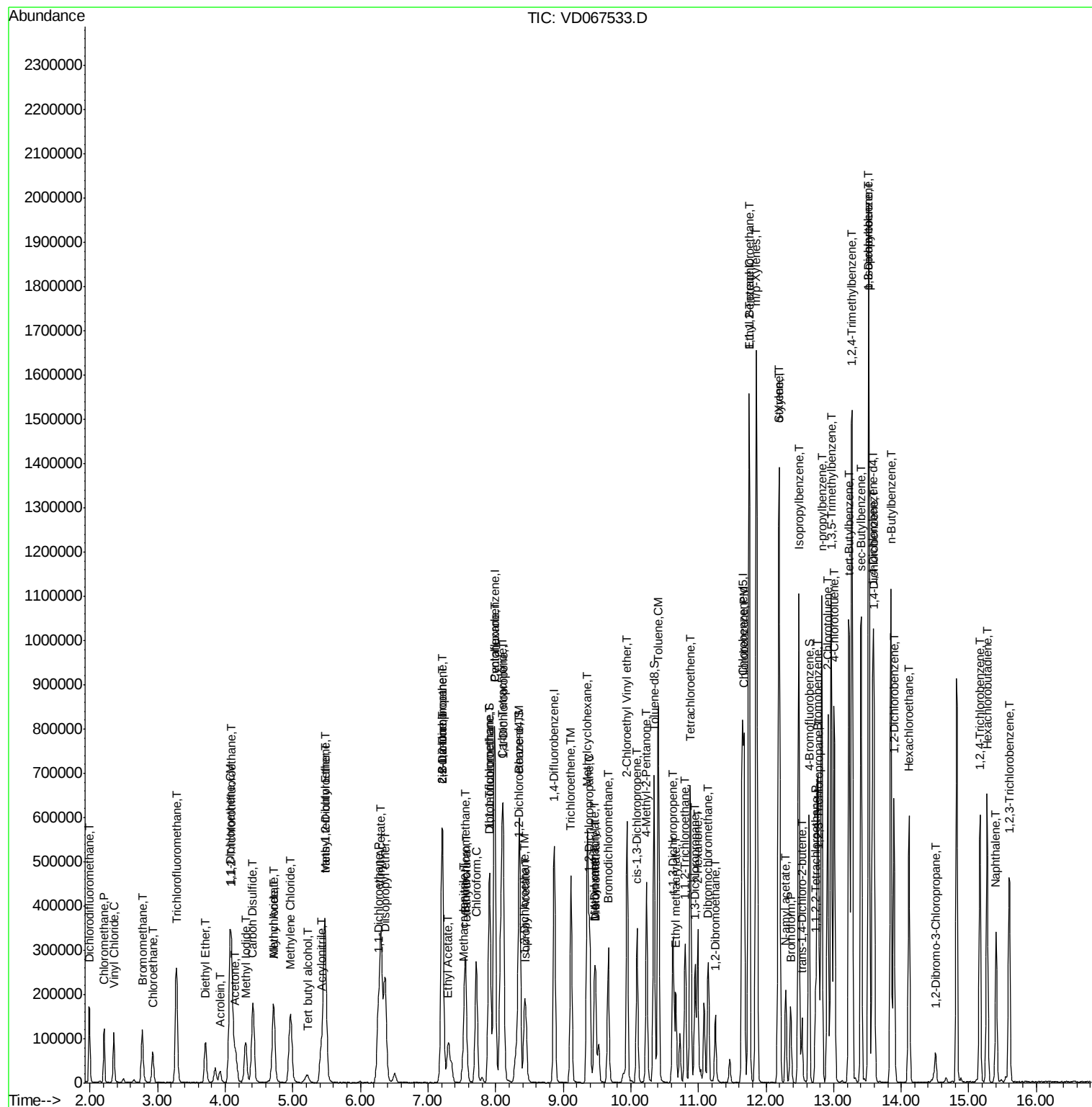
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	195775	48.983	ug/l	99
94) Hexachlorobutadiene	15.27	225	133193	49.793	ug/l	98
95) Naphthalene	15.40	128	316324	51.285	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167368	48.901	ug/l	98

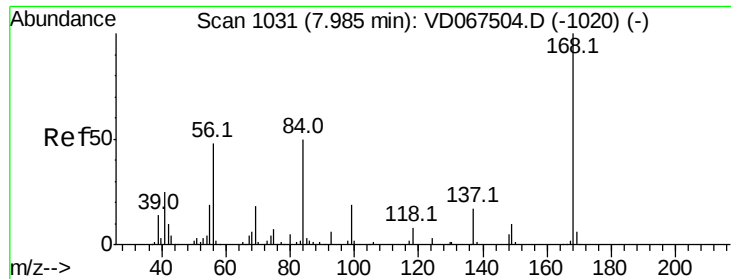
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067533.D
 Acq On : 05 Nov 2020 09:46
 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: Nov 06 00:13:52 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

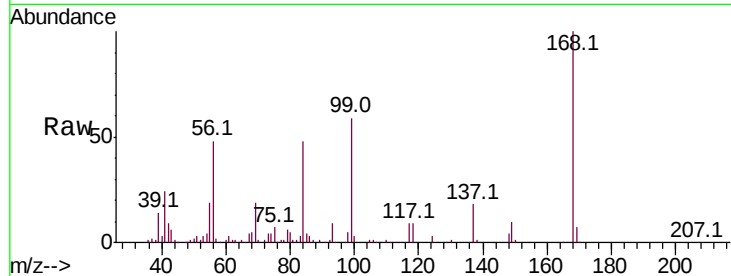
VSTDCCC050

Tot Ion:168 Resp: 347038

Ion Ratio Lower Upper

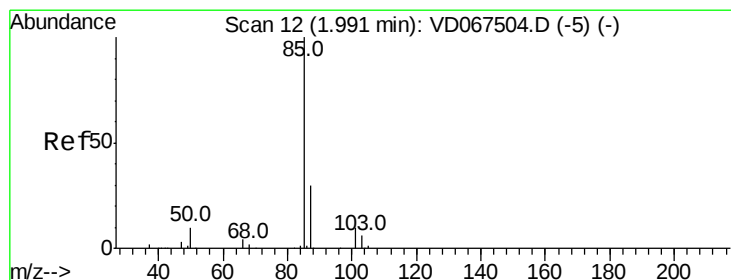
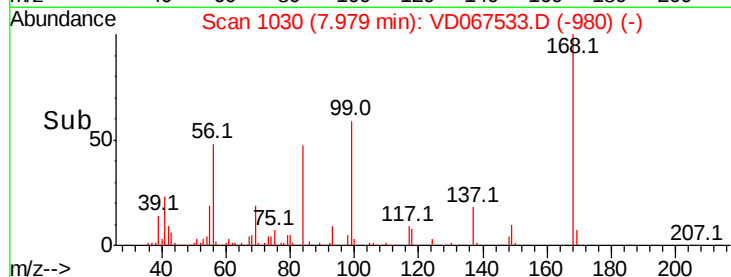
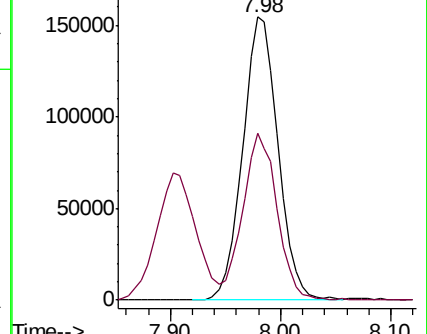
168 100

99 58.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.001 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067533.D

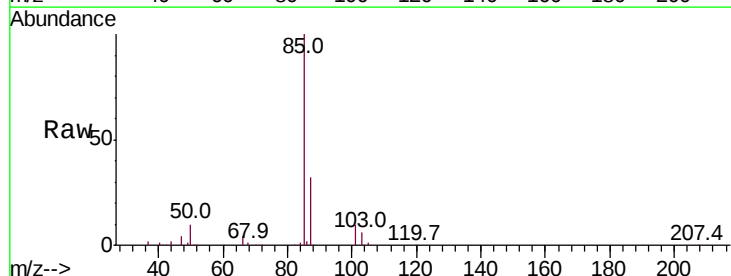
Acq: 05 Nov 2020 09:46

Tgt Ion: 85 Resp: 135355

Ion Ratio Lower Upper

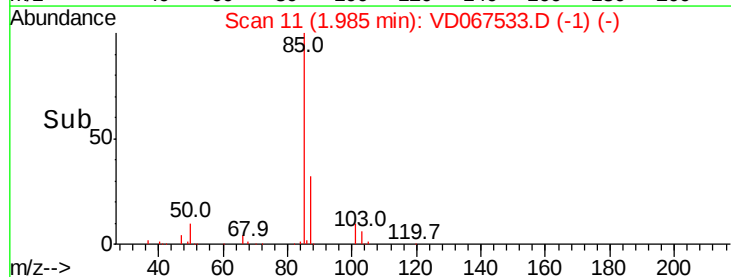
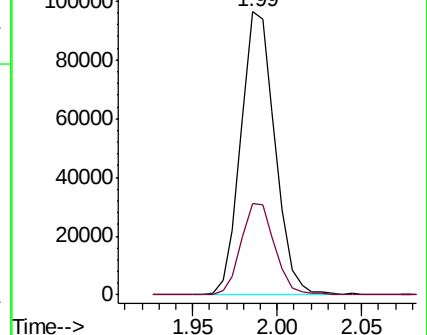
85 100

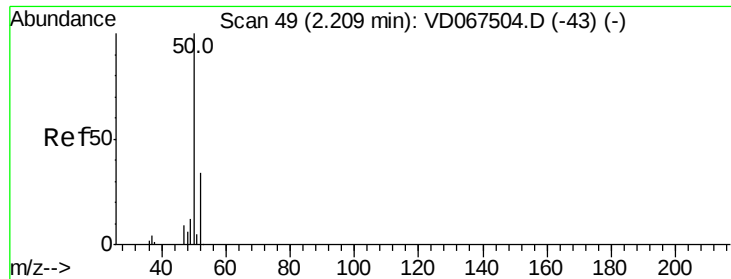
87 32.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

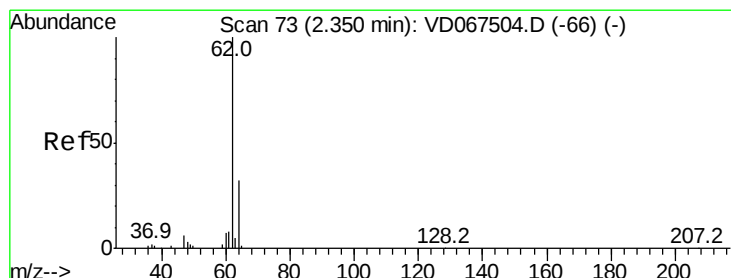
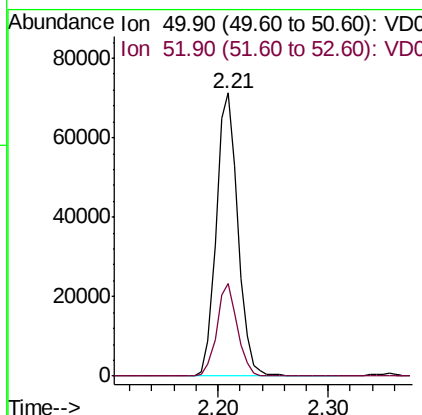
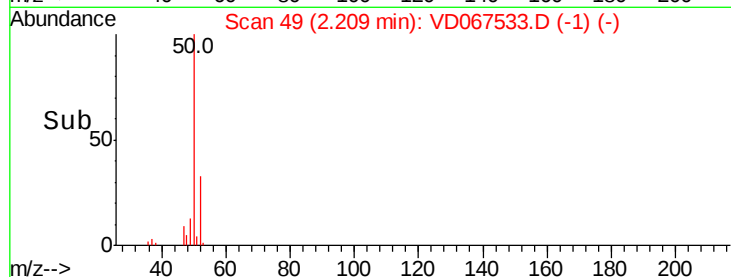
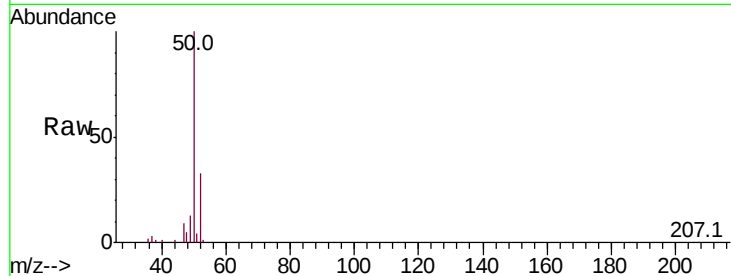




#3
Chloromethane
Concen: 44.611 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

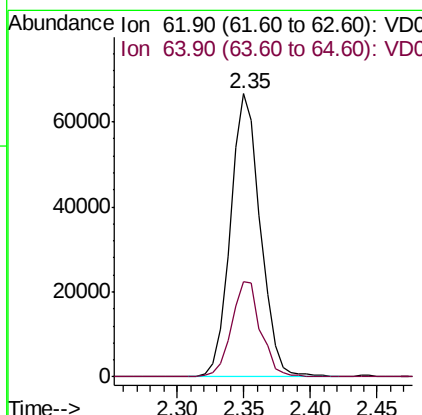
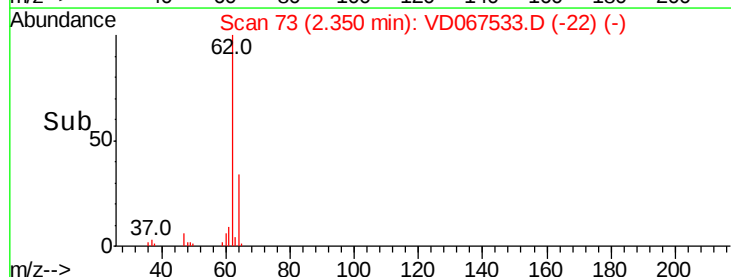
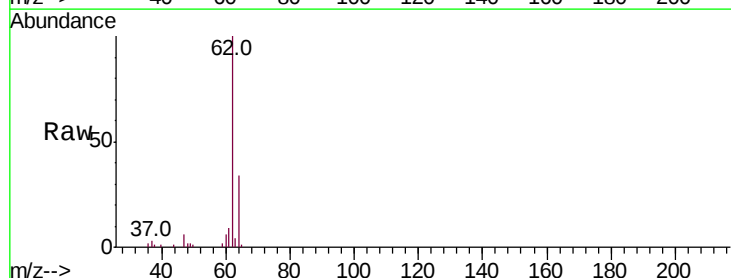
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

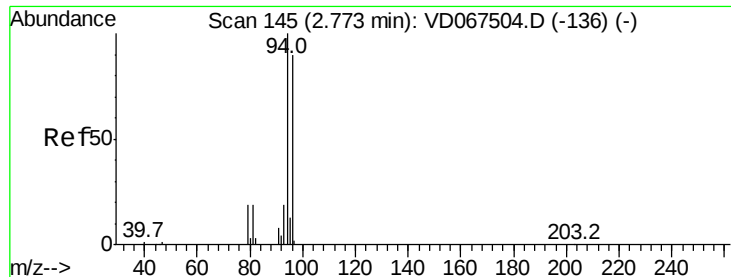
Tot Ion: 50 Resp: 96407
Ion Ratio Lower Upper
50 100
52 32.8 27.3 40.9



#4
Vinyl Chloride
Concen: 43.177 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 62 Resp: 104031
Ion Ratio Lower Upper
62 100
64 33.5 25.6 38.4





#5

Bromomethane

Concen: 44.104 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

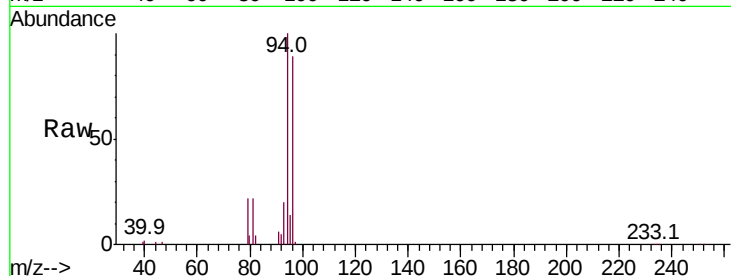
VSTDCCC050

Tot Ion: 94 Resp: 86129

Ion Ratio Lower Upper

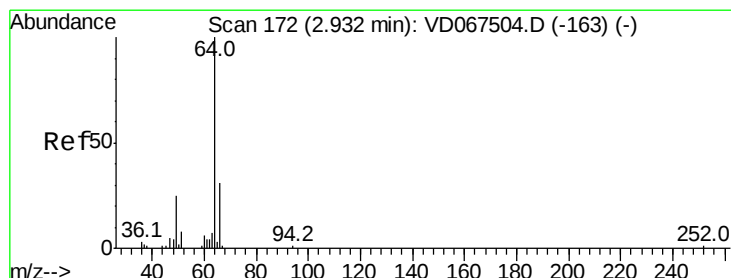
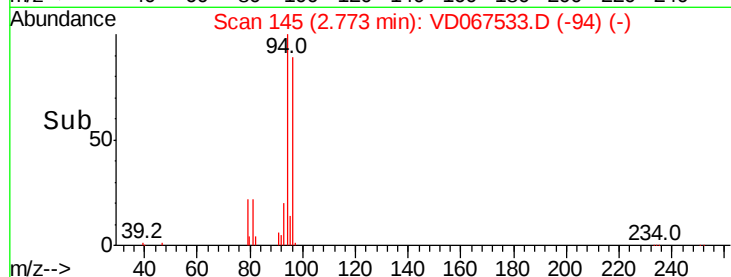
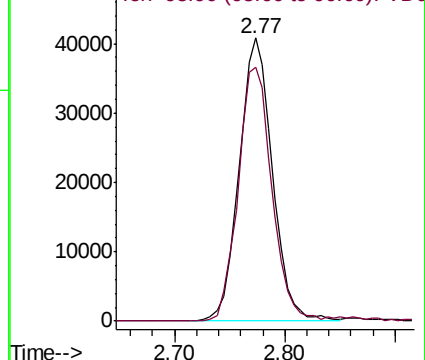
94 100

96 89.5 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.585 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067533.D

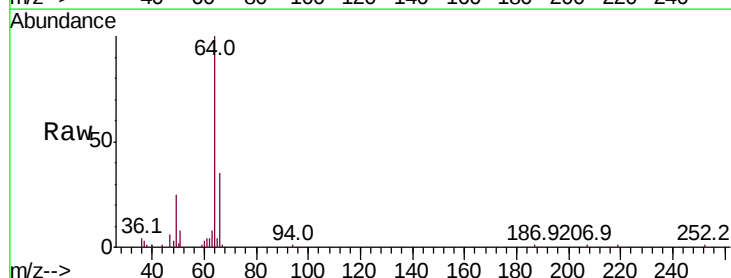
Acq: 05 Nov 2020 09:46

Tgt Ion: 64 Resp: 64743

Ion Ratio Lower Upper

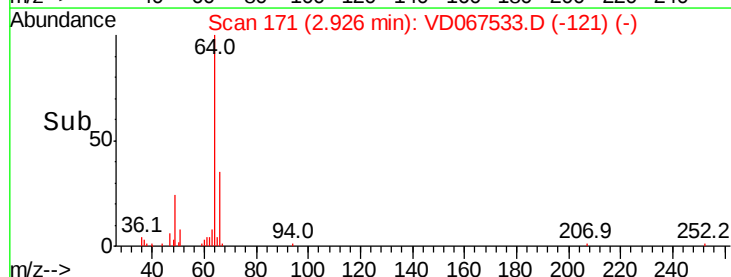
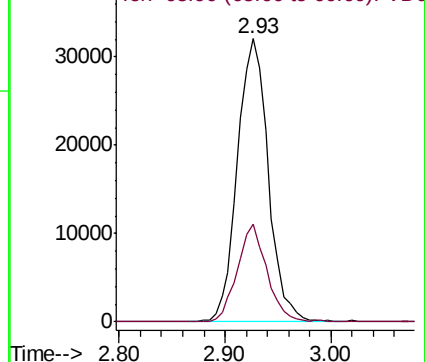
64 100

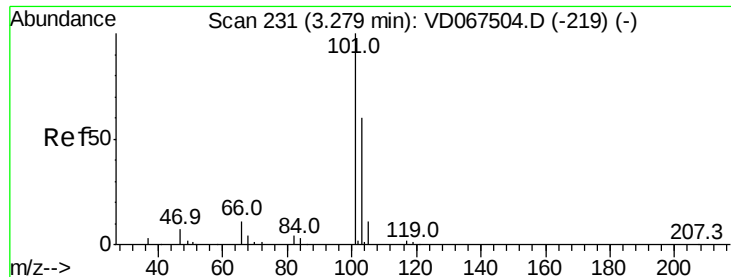
66 34.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



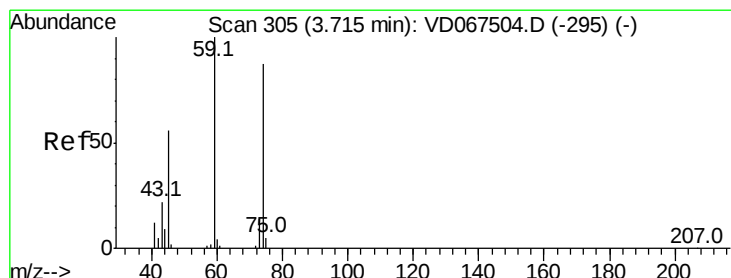
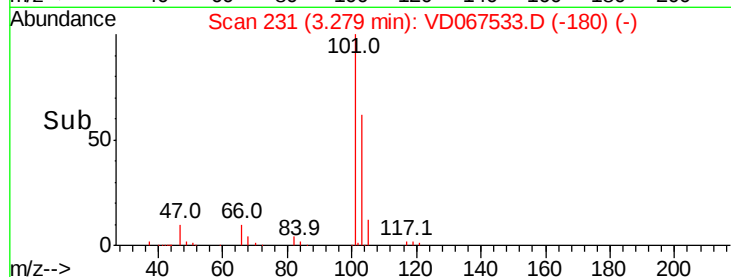
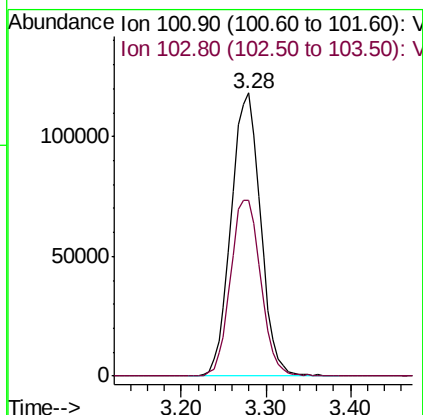
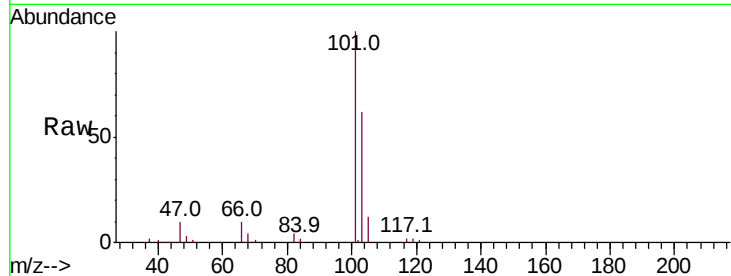


#7

Trichlorofluoromethane
 Concen: 45.606 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

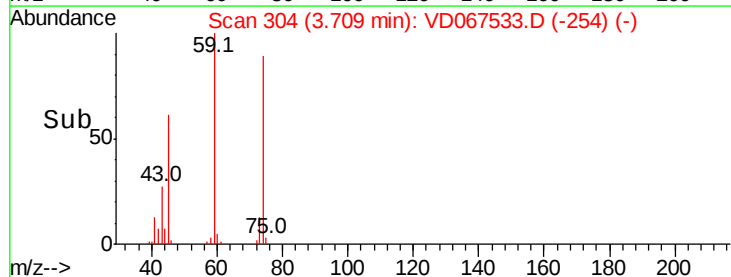
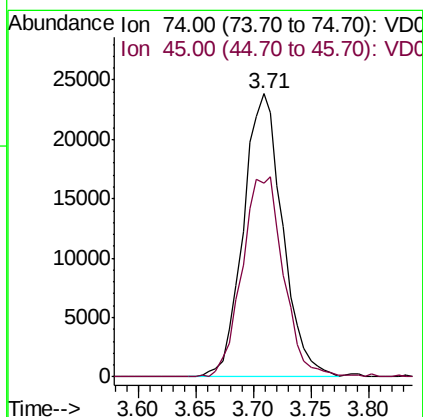
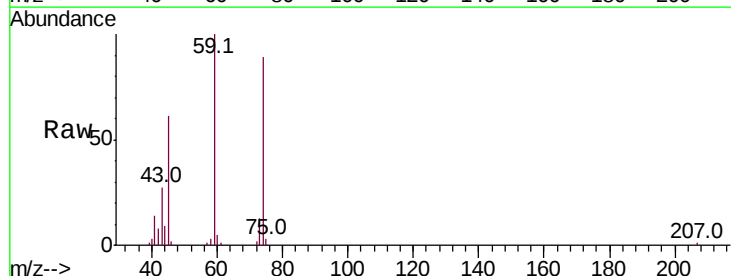
Tot Ion:101 Resp: 284515
 Ion Ratio Lower Upper
 101 100
 103 62.2 48.1 72.1

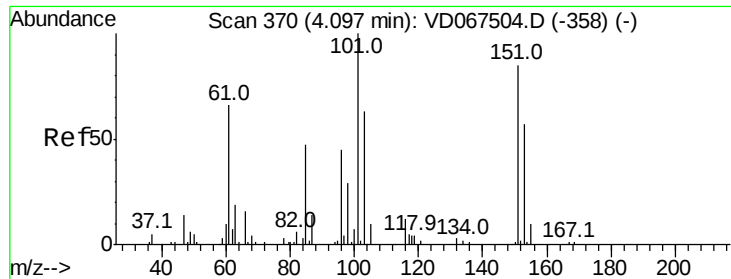


#8

Diethyl Ether
 Concen: 44.896 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion: 74 Resp: 56437
 Ion Ratio Lower Upper
 74 100
 45 74.5 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.475 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

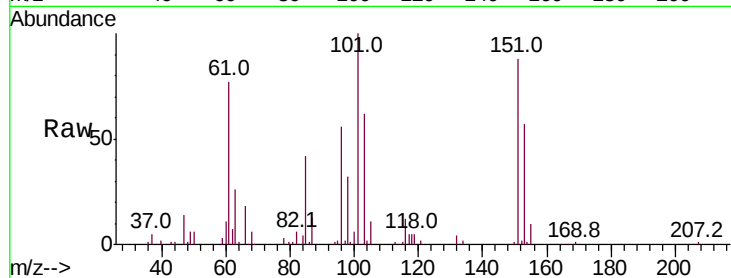
Tot Ion:101 Resp: 146352

Ion Ratio Lower Upper

101 100

85 42.8 34.4 51.6

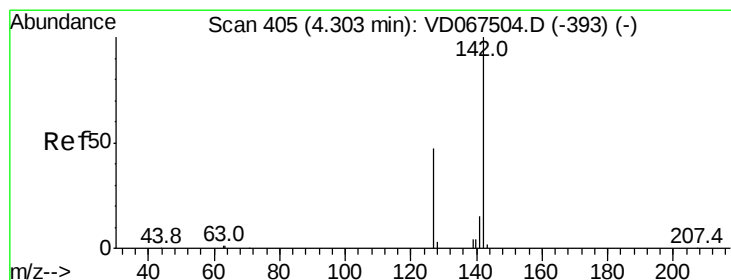
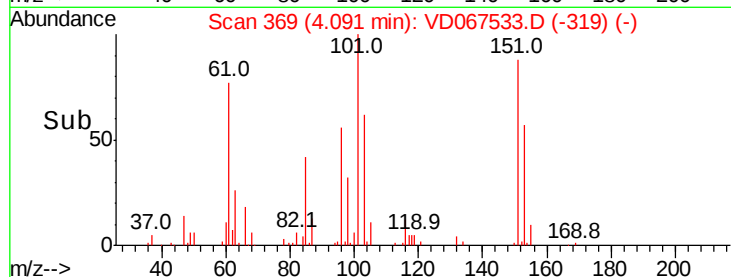
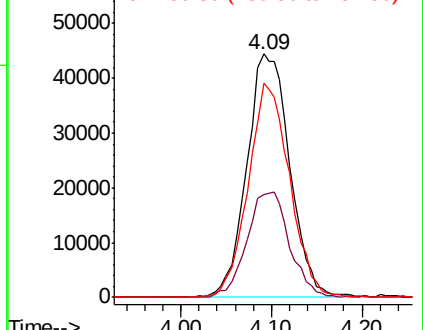
151 84.9 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.382 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

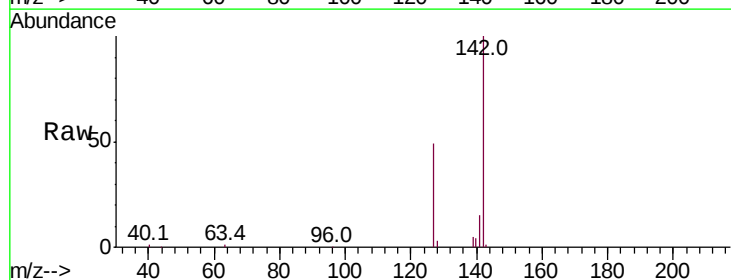
Tgt Ion:142 Resp: 149792

Ion Ratio Lower Upper

142 100

127 50.6 40.0 60.0

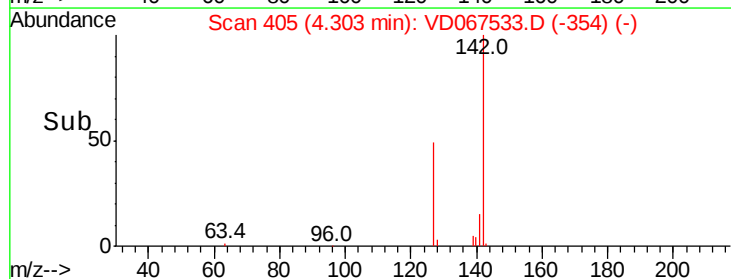
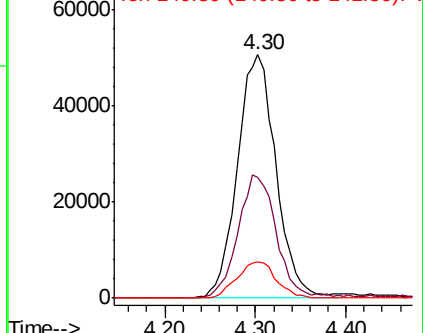
141 14.9 11.7 17.5

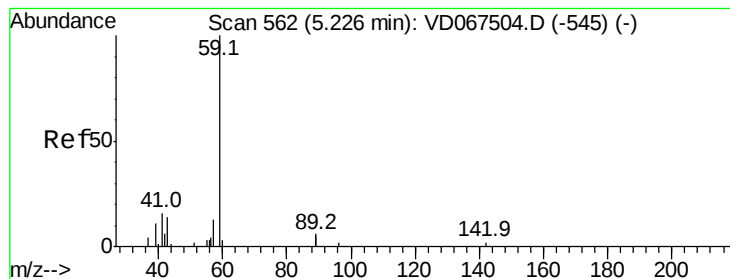


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 238.862 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

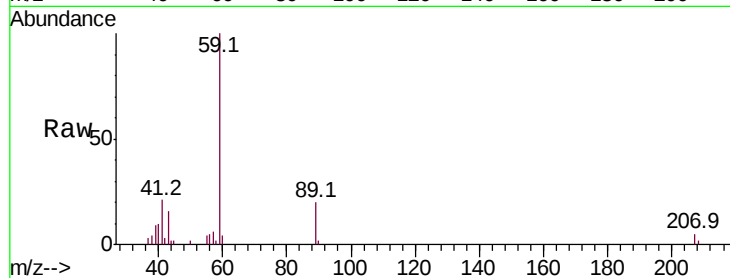
VSTDCCC050

Tot Ion: 59 Resp: 31353

Ion Ratio Lower Upper

59 100

57 6.3 5.9 8.9



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

8000

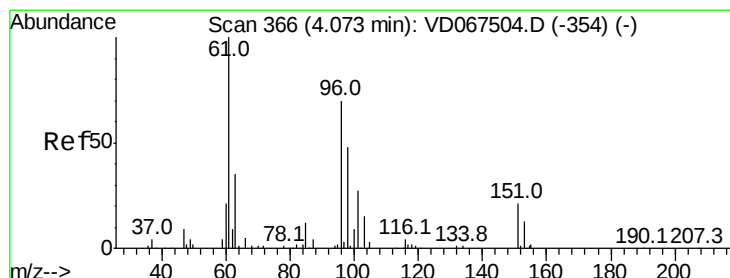
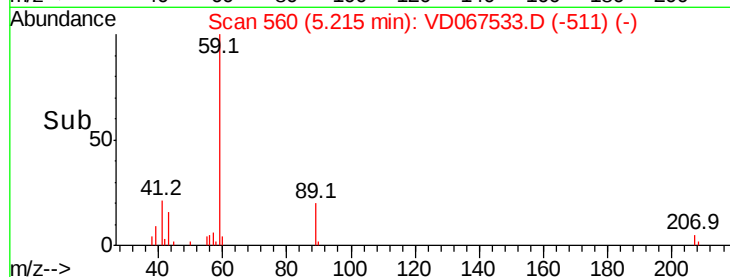
6000

4000

2000

0

Time--> 5.00 5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 45.972 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

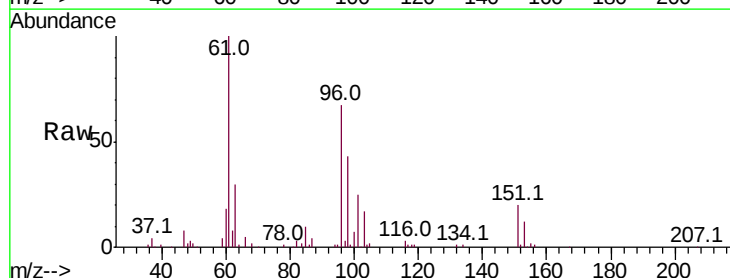
Tgt Ion: 96 Resp: 133161

Ion Ratio Lower Upper

96 100

61 149.4 114.5 171.7

98 64.7 54.5 81.7



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

4.07

80000

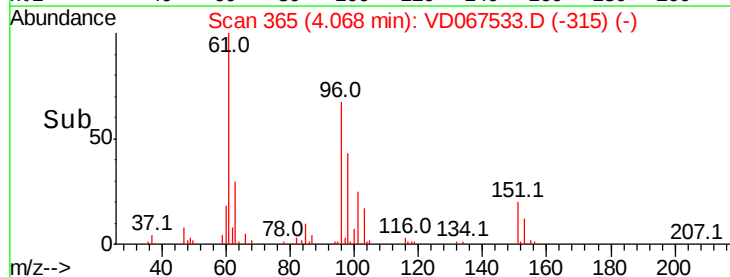
60000

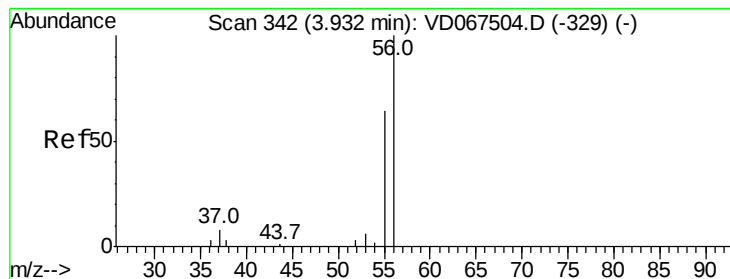
40000

20000

0

Time--> 4.00 4.10 4.20





#13

Acrolein

Concen: 236.009 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

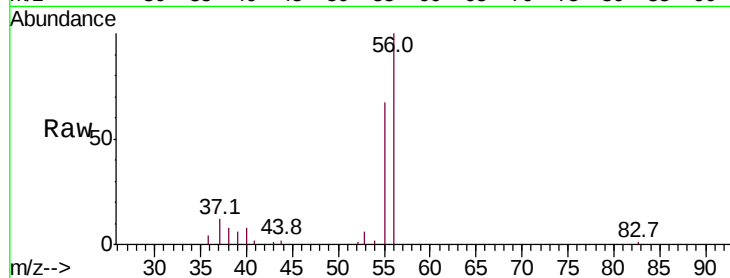
VSTDCCC050

Tot Ion: 56 Resp: 31546

Ion Ratio Lower Upper

56 100

55 68.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

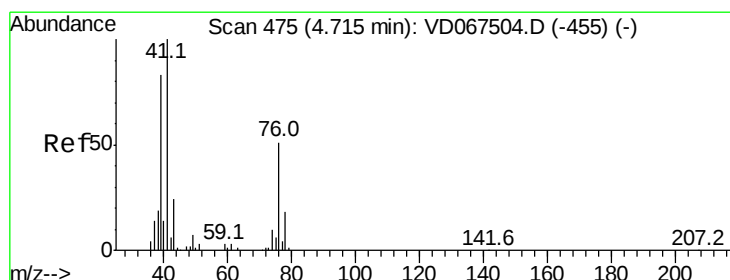
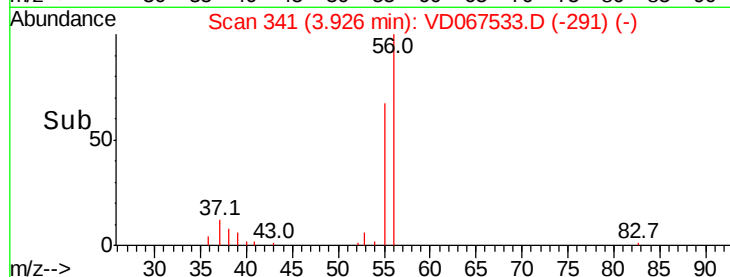
3.93

10000

5000

0

Time--> 3.80 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 45.115 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

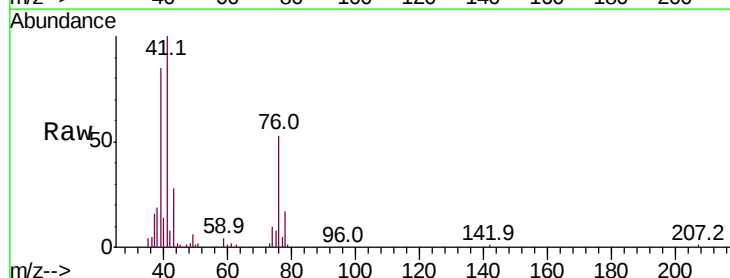
Tgt Ion: 41 Resp: 139857

Ion Ratio Lower Upper

41 100

39 83.3 67.4 101.0

76 52.3 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

50000

40000

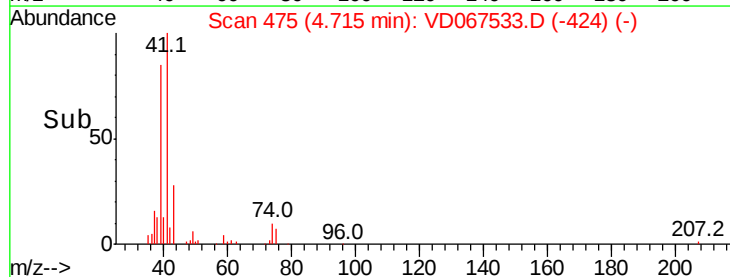
30000

20000

10000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 227.272 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

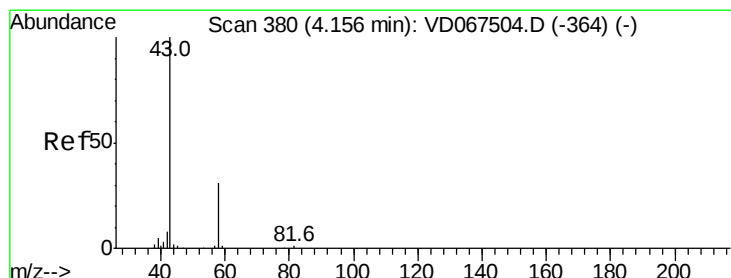
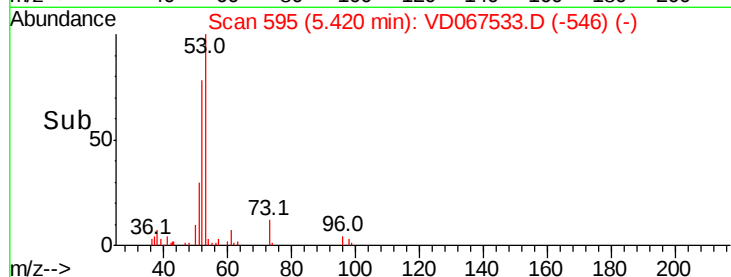
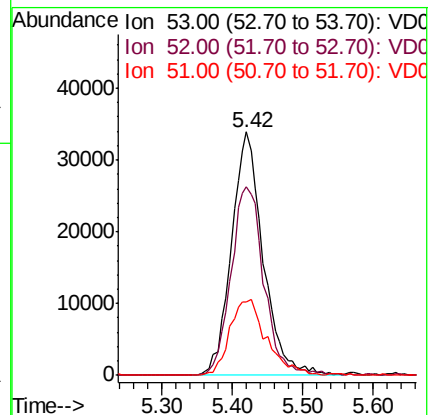
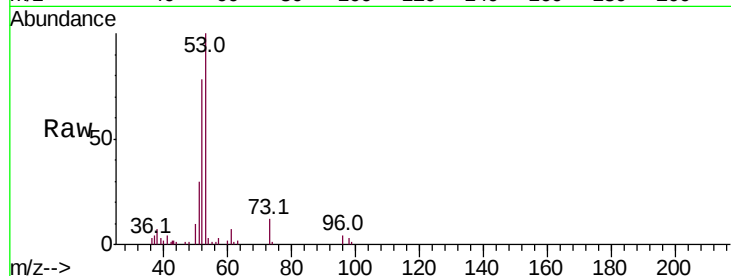
Tot Ion: 53 Resp: 105608

Ion Ratio Lower Upper

53 100

52 80.8 64.8 97.2

51 36.1 29.5 44.3



#16

Acetone

Concen: 239.159 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067533.D

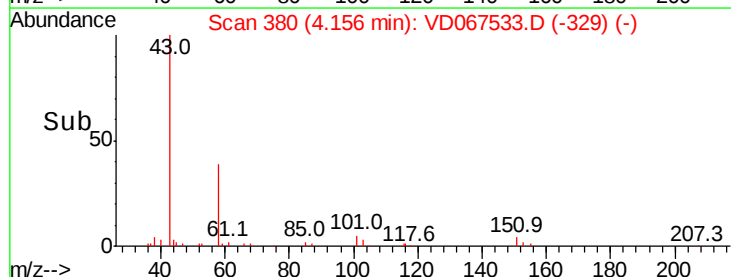
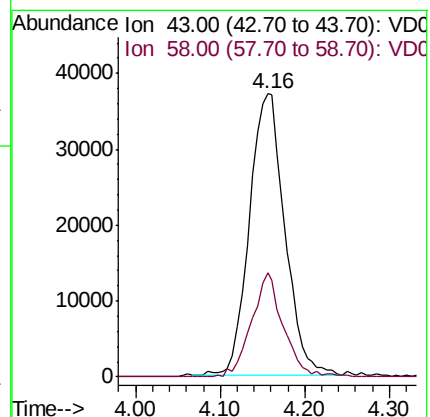
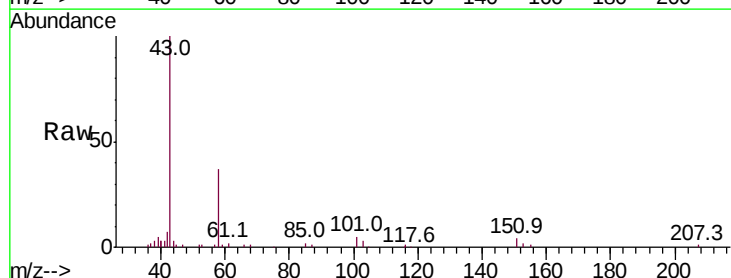
Acq: 05 Nov 2020 09:46

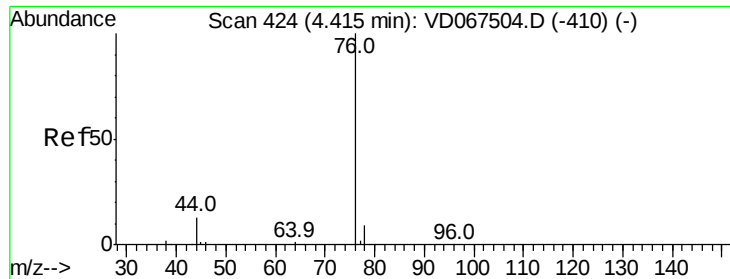
Tgt Ion: 43 Resp: 108600

Ion Ratio Lower Upper

43 100

58 37.1 25.2 37.8

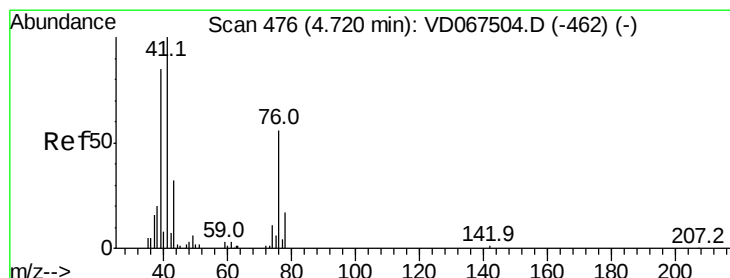
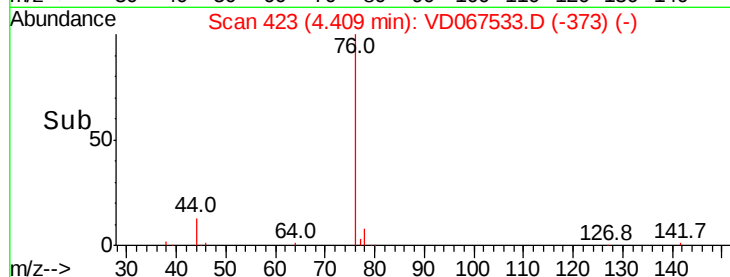
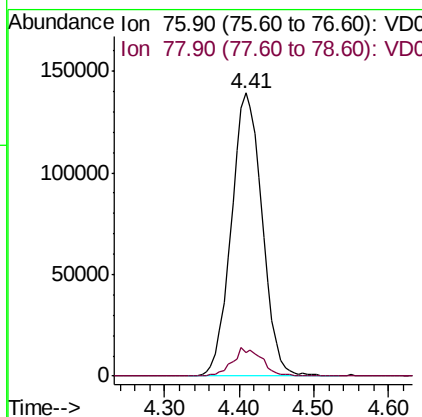
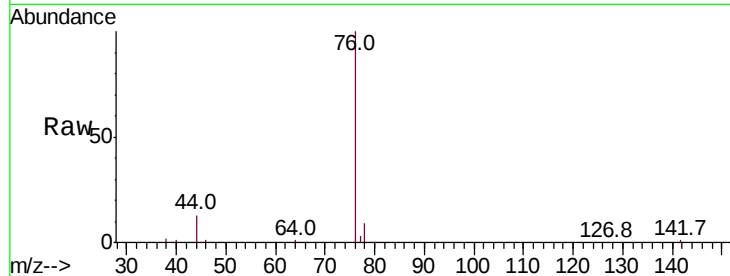




#17
Carbon Disulfide
Concen: 45.055 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

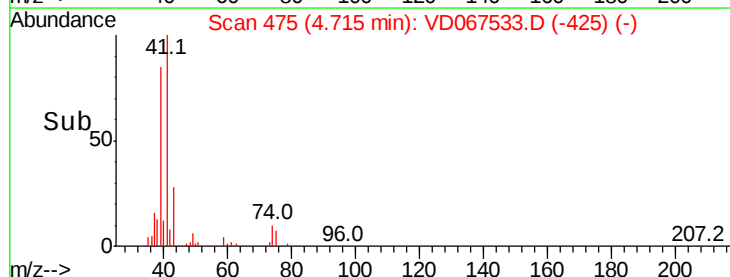
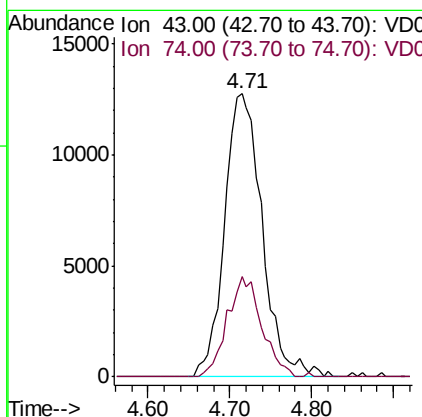
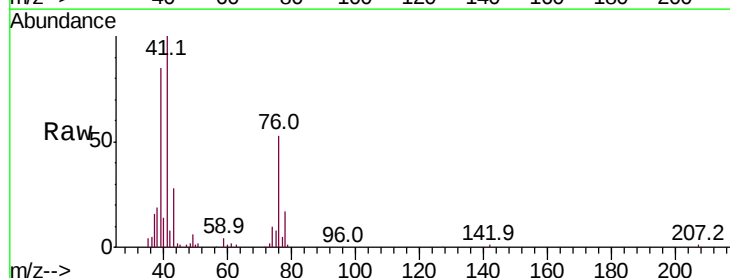
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

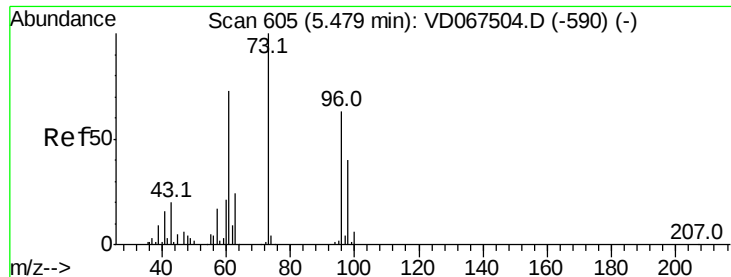
Tot Ion: 76 Resp: 399901
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#18
Methyl Acetate
Concen: 43.568 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 43 Resp: 40882
Ion Ratio Lower Upper
43 100
74 32.3 27.2 40.8

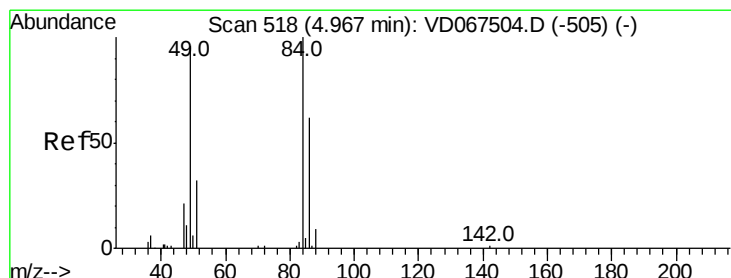
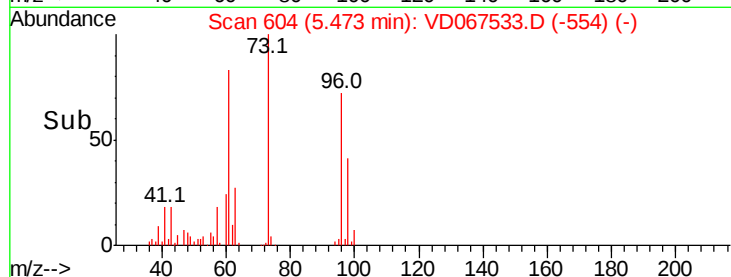
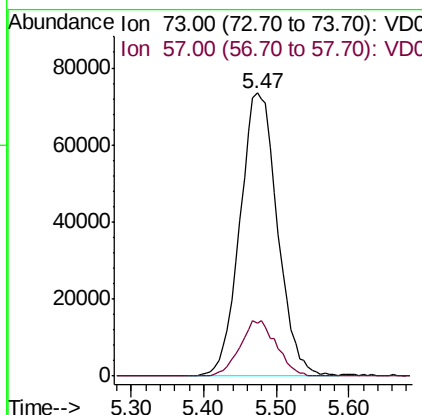
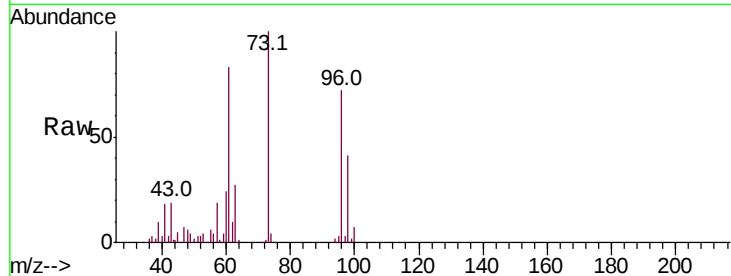




#19
Methvl tert-butvl Ether
Concen: 46.198 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

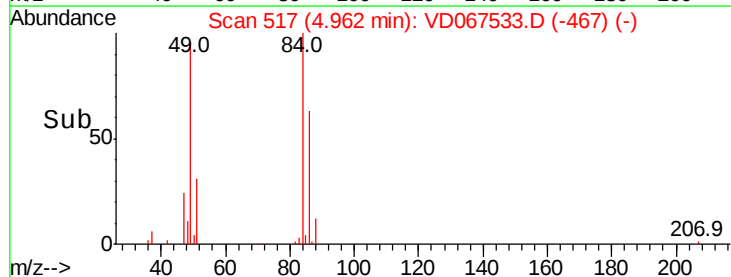
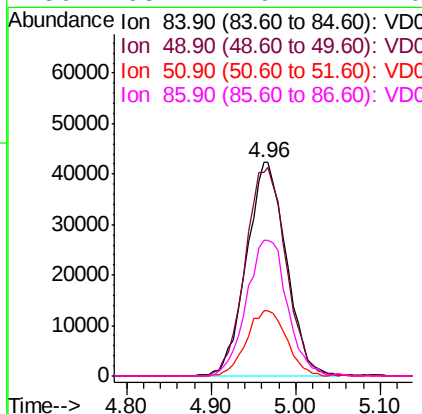
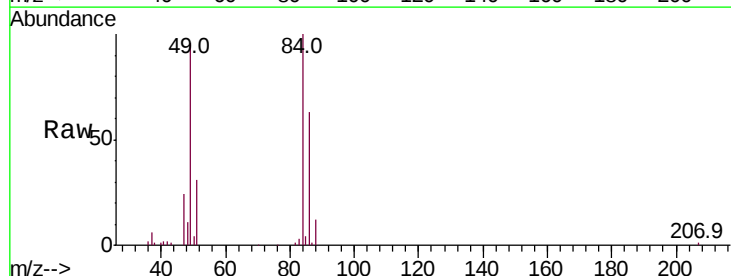
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

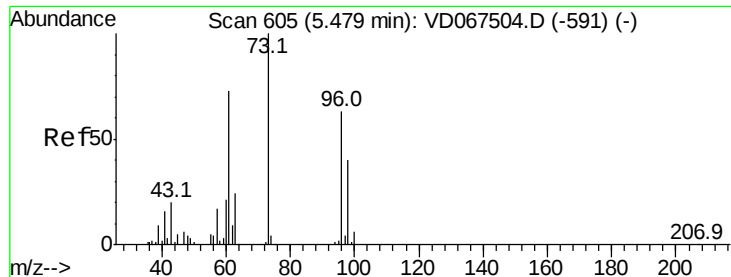
Tot Ion: 73 Resp: 263953
Ion Ratio Lower Upper
73 100
57 18.9 13.4 20.0



#20
Methylene Chloride
Concen: 43.053 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 84 Resp: 138098
Ion Ratio Lower Upper
84 100
49 95.6 77.0 115.4
51 30.7 25.4 38.2
86 63.4 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 45.193 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

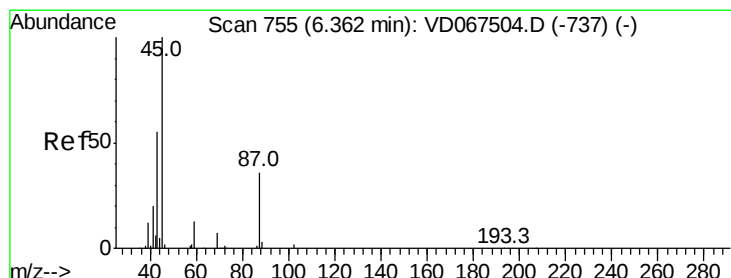
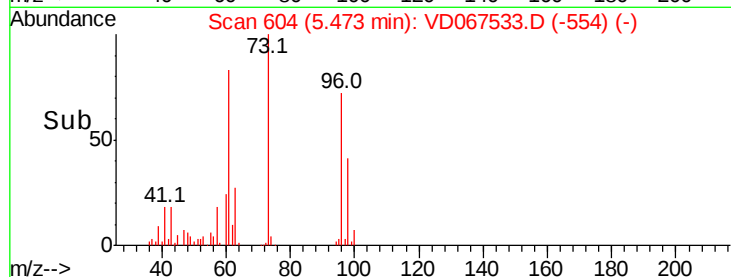
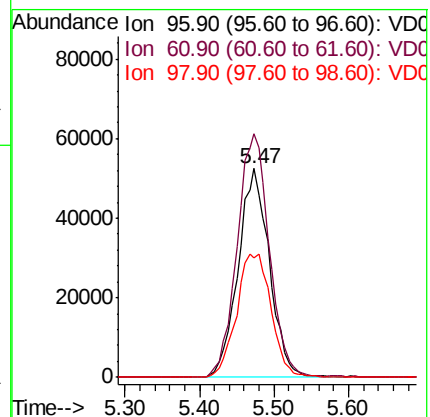
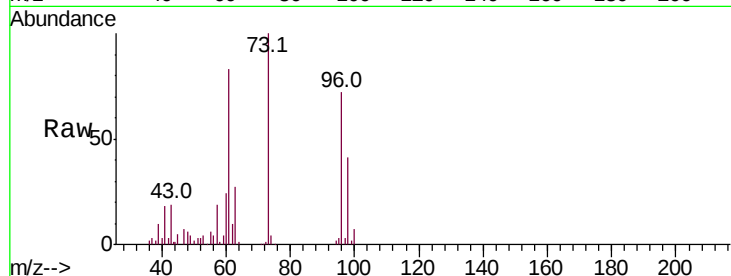
Tot Ion: 96 Resp: 152470

Ion Ratio Lower Upper

96 100

61 116.6 93.0 139.6

98 57.5 50.9 76.3



#22

Diisopropyl ether

Concen: 46.442 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion: 45 Resp: 280564

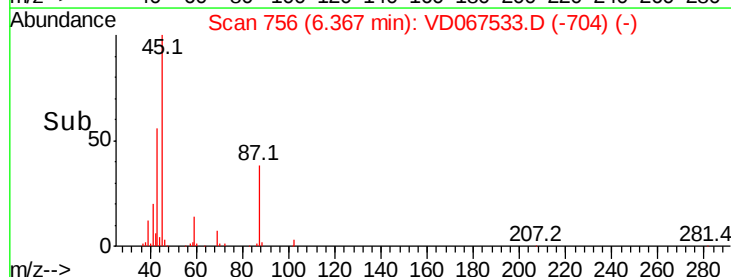
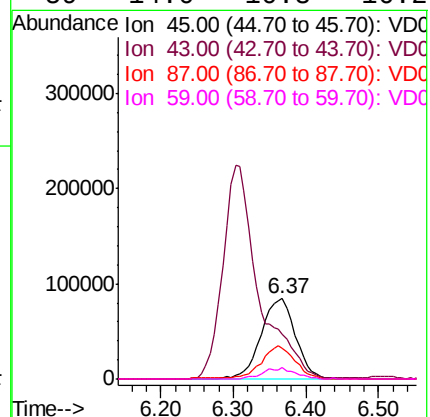
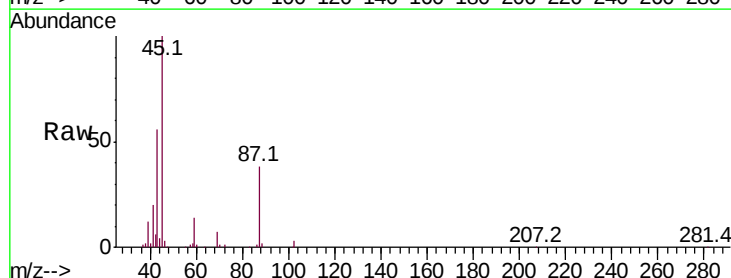
Ion Ratio Lower Upper

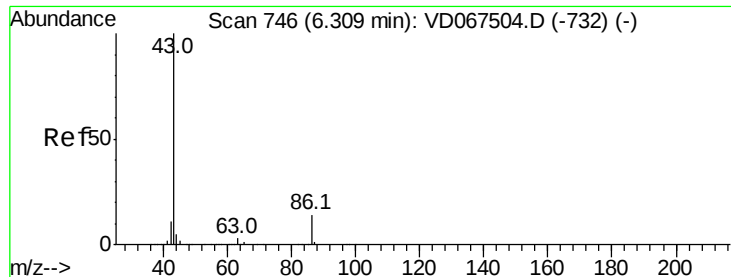
45 100

43 55.4 46.2 69.4

87 37.9 29.4 44.2

59 14.0 10.8 16.2





#23

Vinyl Acetate

Concen: 244.621 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

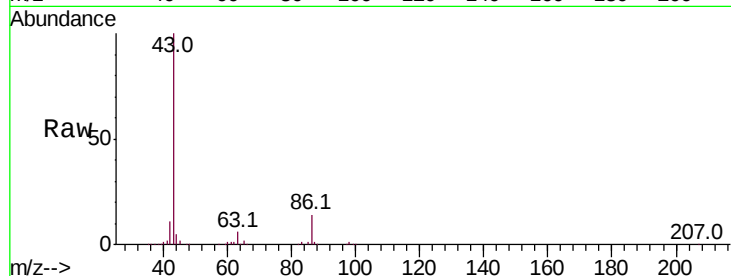
VSTDCCC050

Tot Ion: 43 Resp: 773548

Ion Ratio Lower Upper

43 100

86 14.3 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

150000

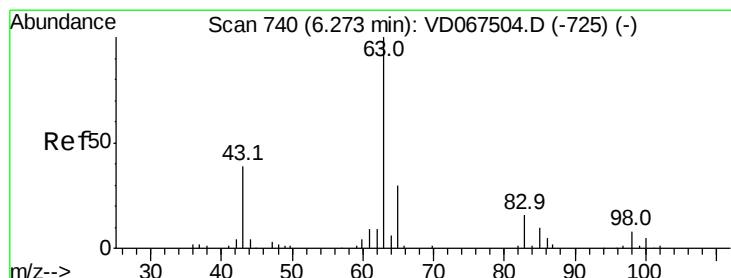
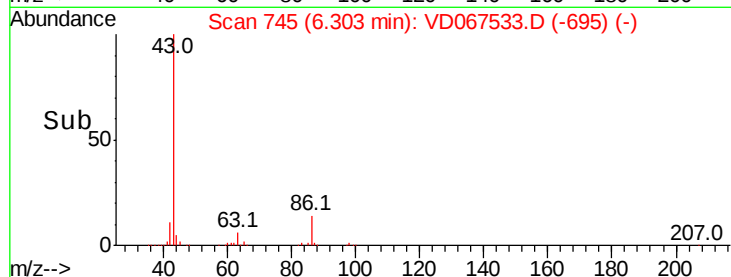
100000

50000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 44.931 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

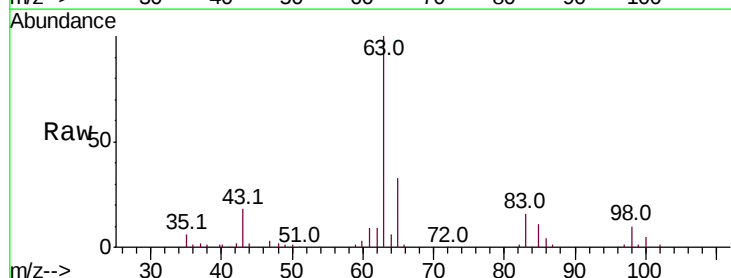
Tgt Ion: 63 Resp: 222059

Ion Ratio Lower Upper

63 100

98 10.2 3.9 11.5

100 5.1 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

80000

60000

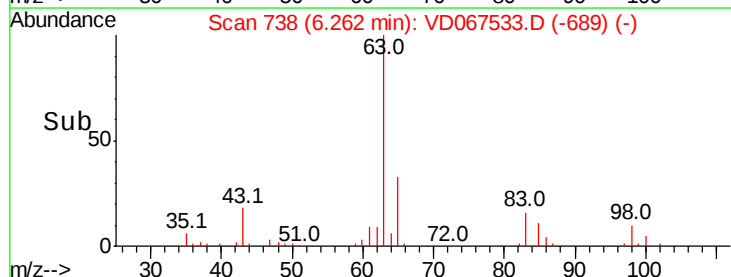
40000

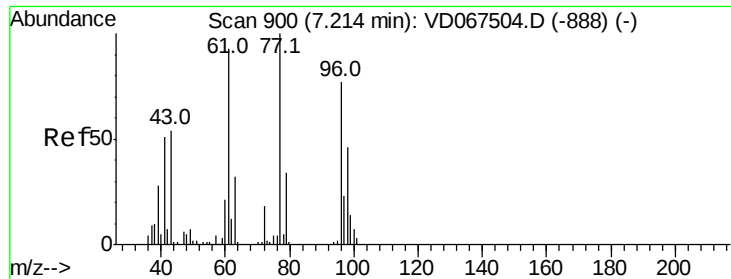
20000

0

Time-->

6.10 6.20 6.30 6.40

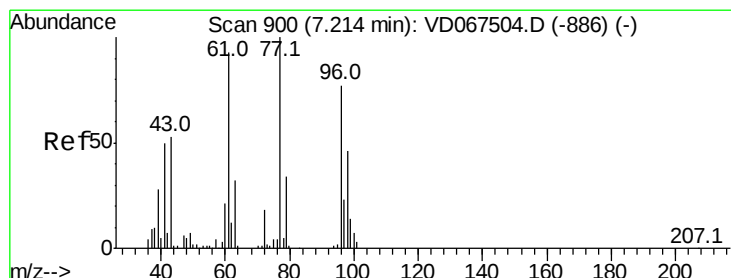
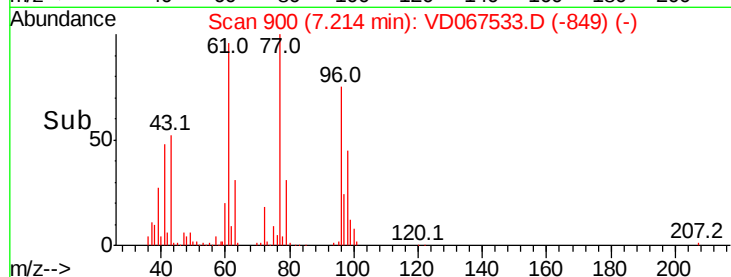
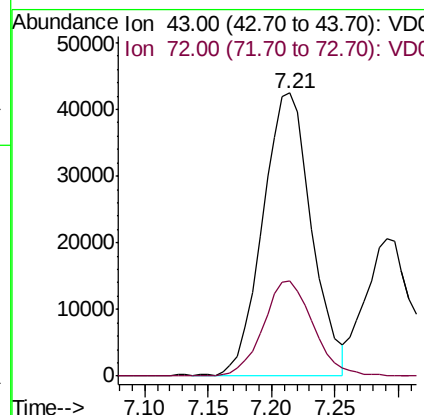
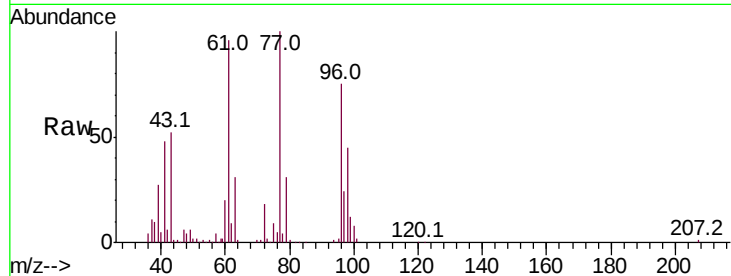




#25
2-Butanone
Concen: 234.963 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

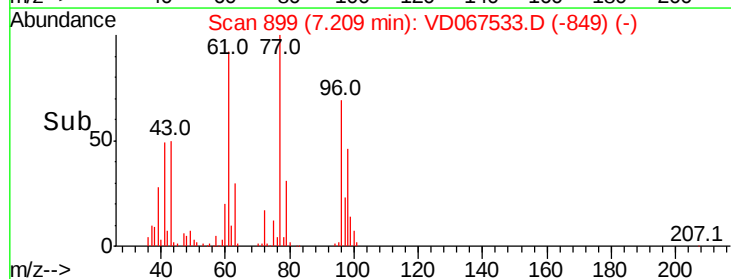
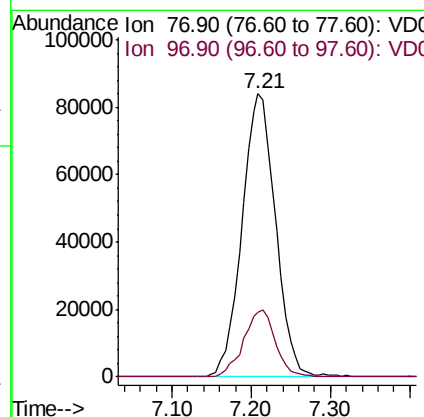
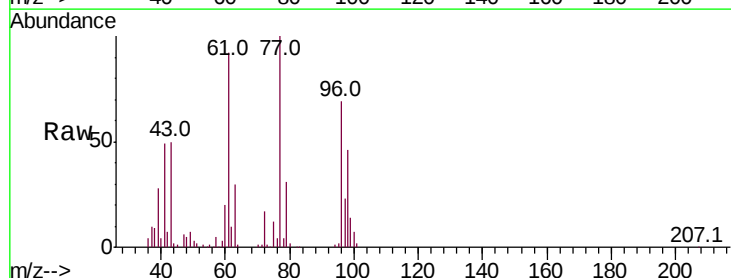
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

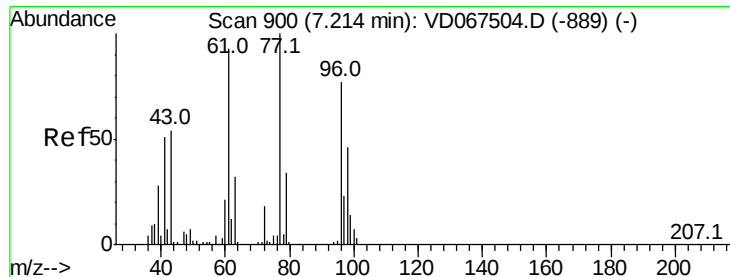
Tot Ion: 43 Resp: 114006
Ion Ratio Lower Upper
43 100
72 33.8 26.4 39.6



#26
2,2-Dichloropropane
Concen: 47.159 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 77 Resp: 245981
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.3



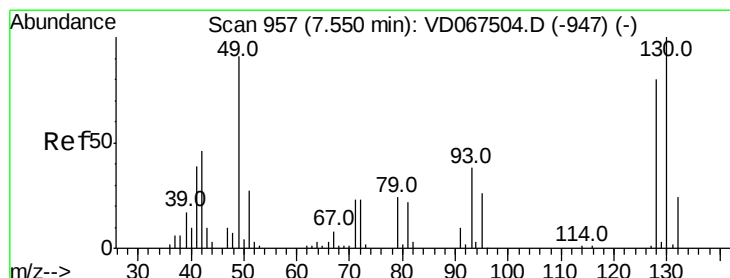
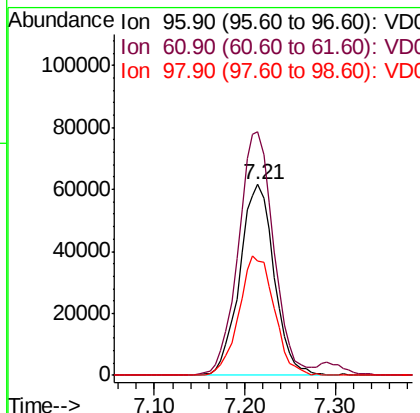
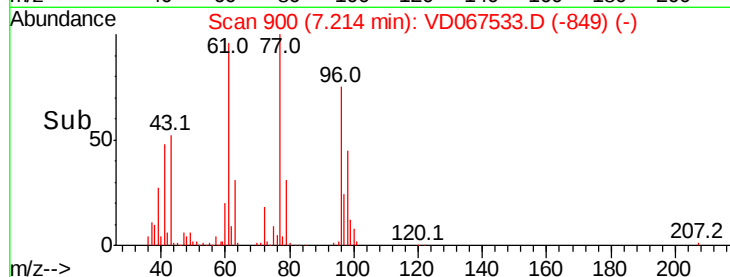
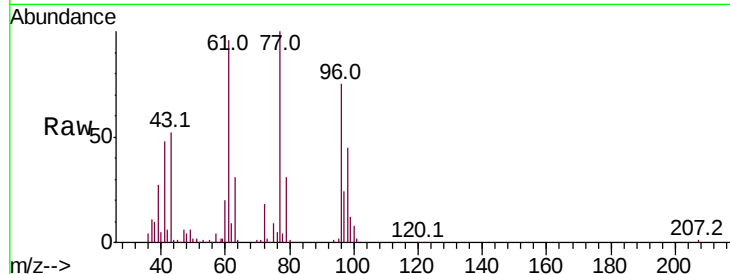


#27

cis-1,2-Dichloroethene
Concen: 46.521 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

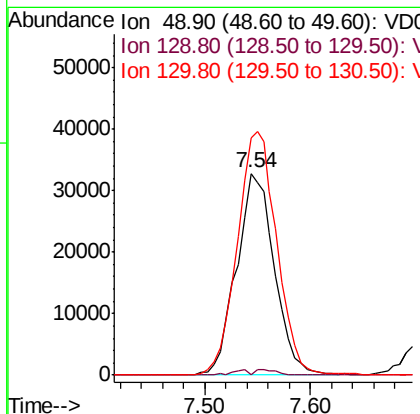
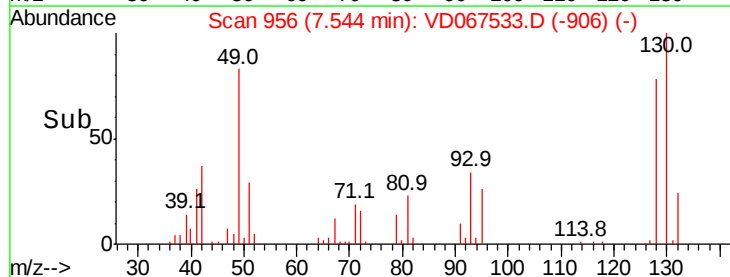
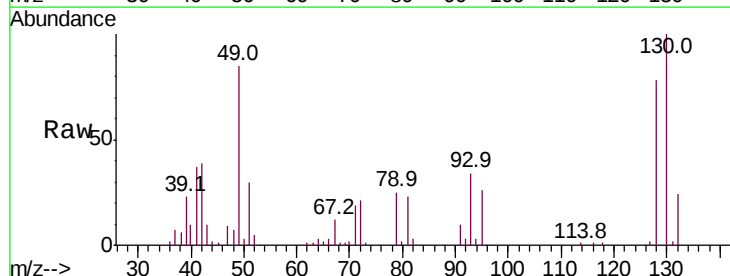
Tot Ion: 96 Resp: 162906
Ion Ratio Lower Upper
96 100
61 130.7 0.0 251.6
98 64.0 0.0 128.0

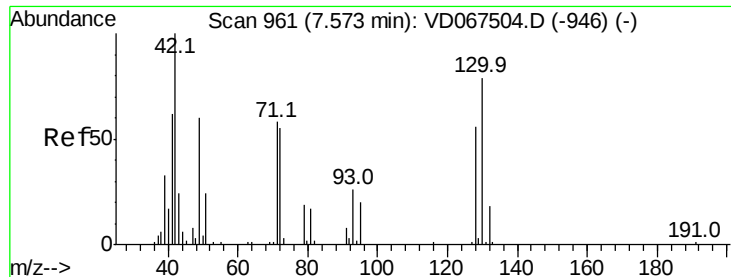


#28

Bromochloromethane
Concen: 46.398 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 49 Resp: 81565
Ion Ratio Lower Upper
49 100
129 1.5 0.0 6.4
130 126.0 94.6 142.0





#29

Tetrahydrofuran

Concen: 244.851 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

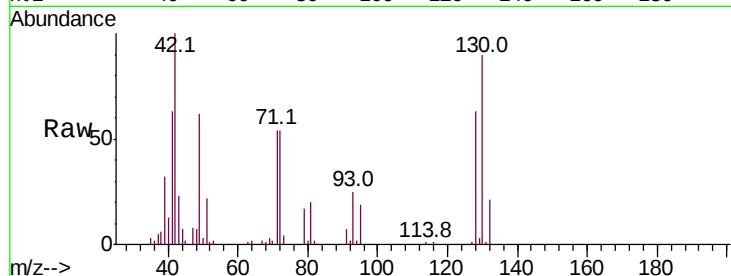
Tot Ion: 42 Resp: 71164

Ion Ratio Lower Upper

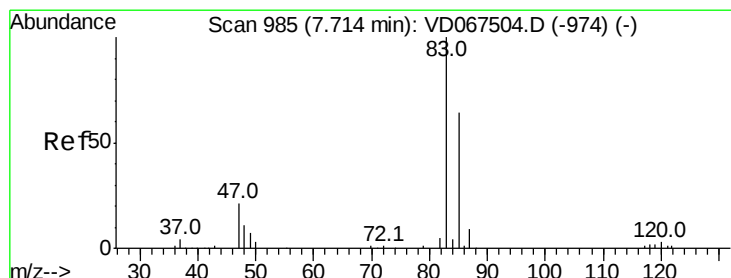
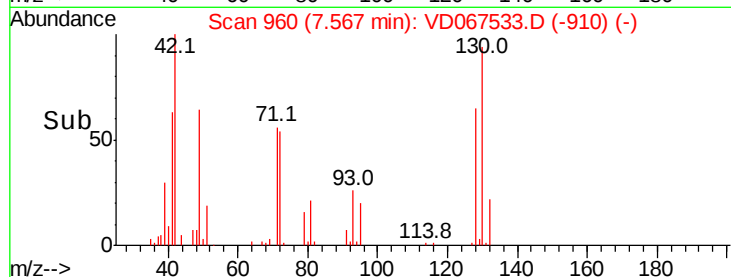
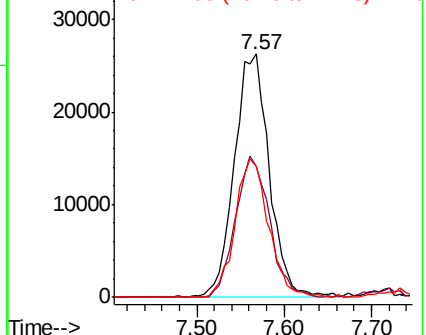
42 100

72 56.4 46.3 69.5

71 54.4 44.0 66.0



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: 46.298 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067533.D

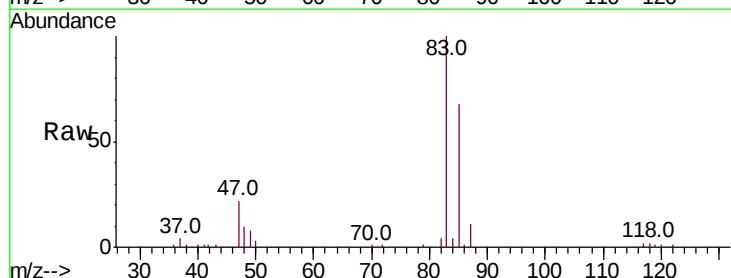
Acq: 05 Nov 2020 09:46

Tgt Ion: 83 Resp: 272973

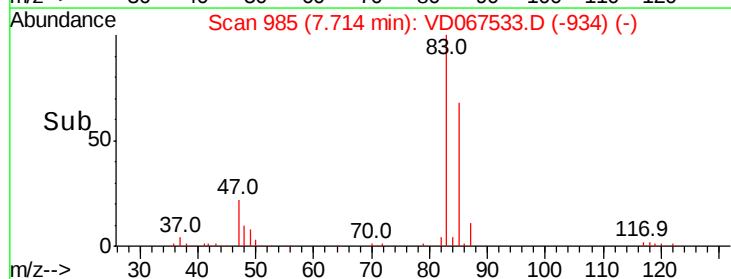
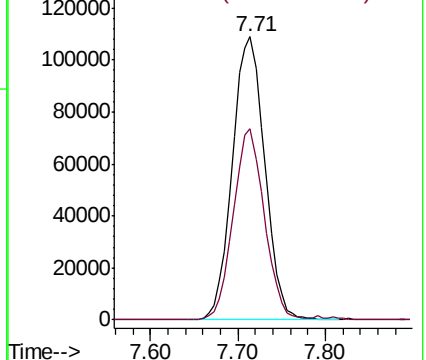
Ion Ratio Lower Upper

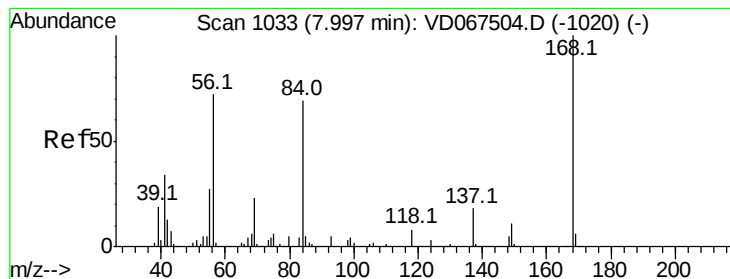
83 100

85 67.8 51.5 77.3



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





#31

Cyclohexane

Concen: 44.894 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

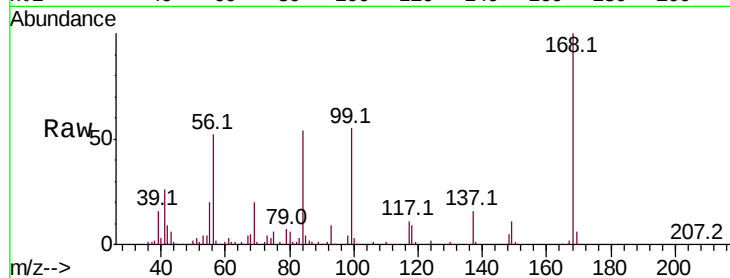
Tot Ion: 56 Resp: 197582

Ion Ratio Lower Upper

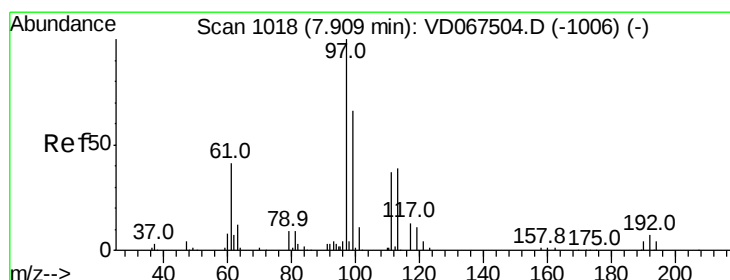
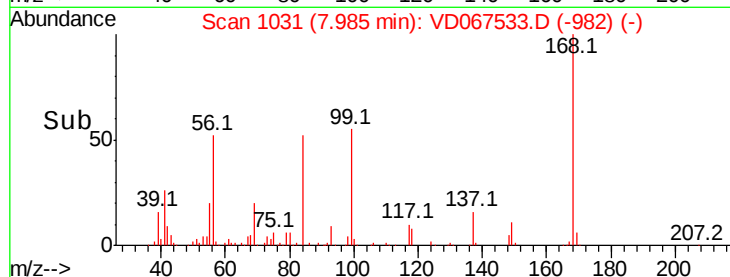
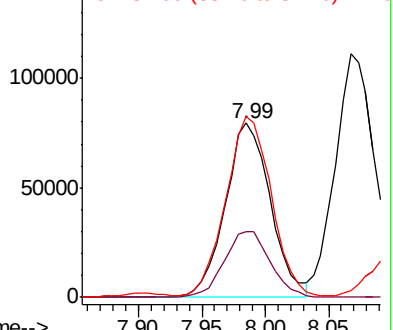
56 100

69 37.7 25.9 38.9

84 102.3 76.2 114.4



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: 45.317 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

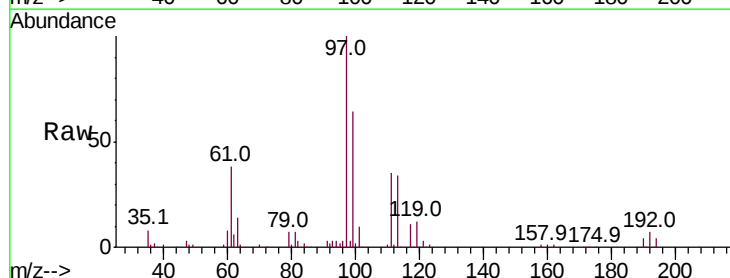
Tgt Ion: 97 Resp: 275680

Ion Ratio Lower Upper

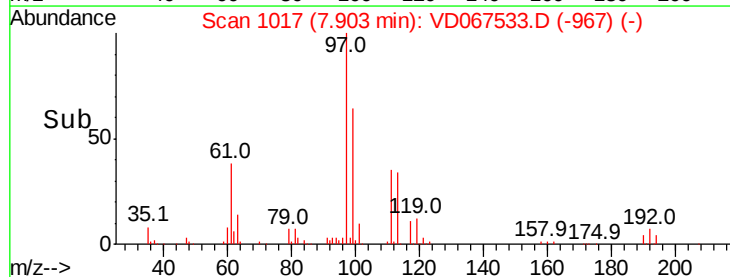
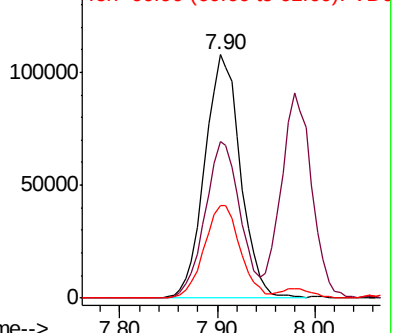
97 100

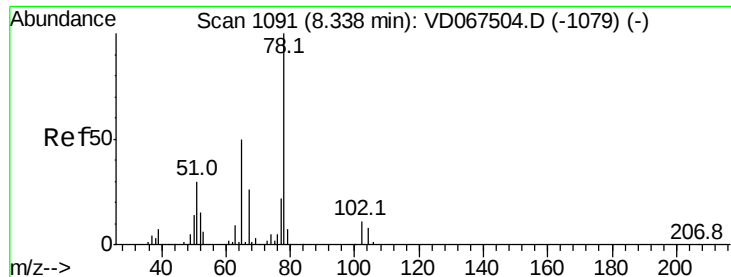
99 63.4 51.8 77.6

61 38.5 30.5 45.7



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: 43.411 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

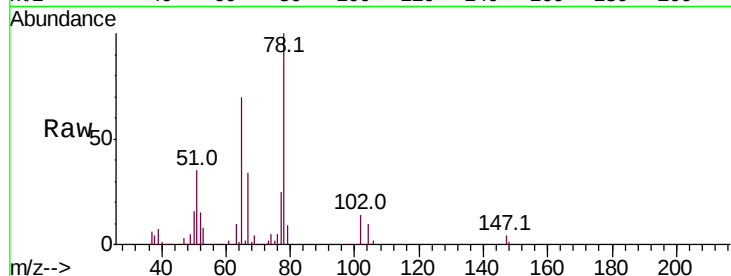
VSTDCCC050

Tot Ion: 65 Resp: 131730

Ion Ratio Lower Upper

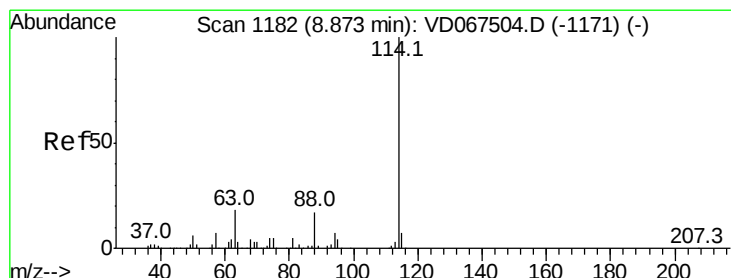
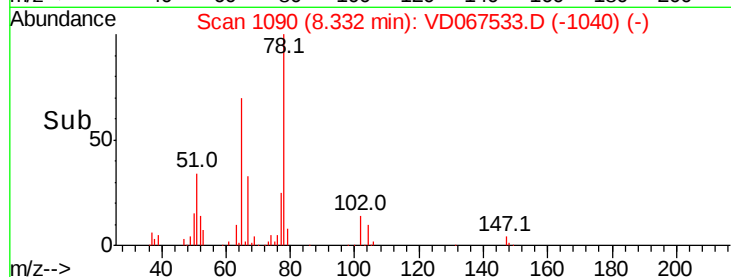
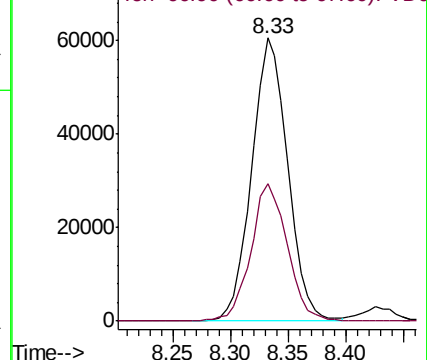
65 100

67 49.1 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

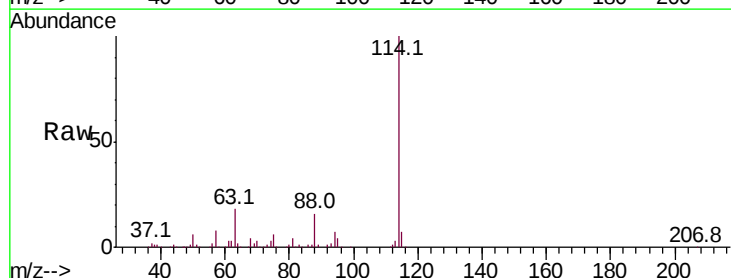
Tgt Ion: 114 Resp: 491817

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

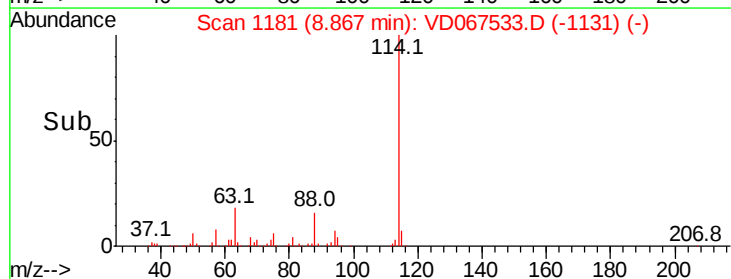
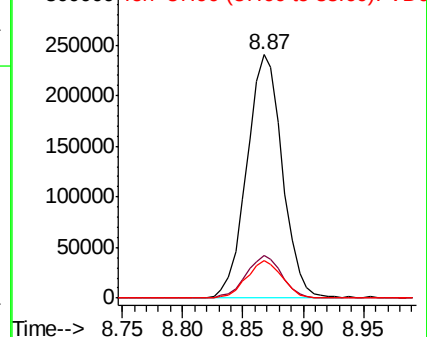
88 15.6 0.0 33.0

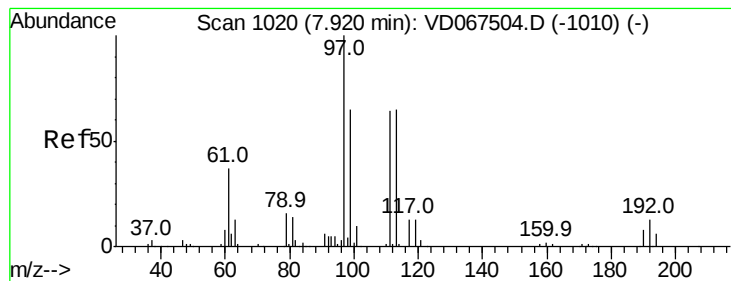


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 45.365 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

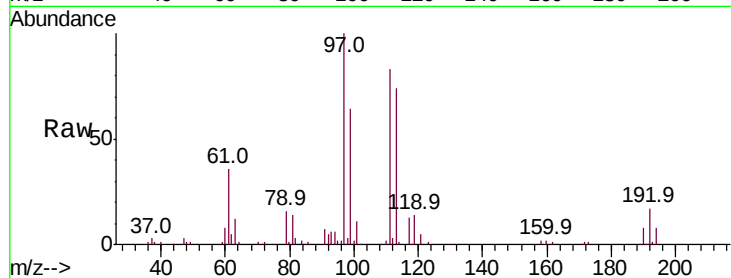
Tot Ion:113 Resp: 134426

Ion Ratio Lower Upper

113 100

111 101.9 80.0 120.0

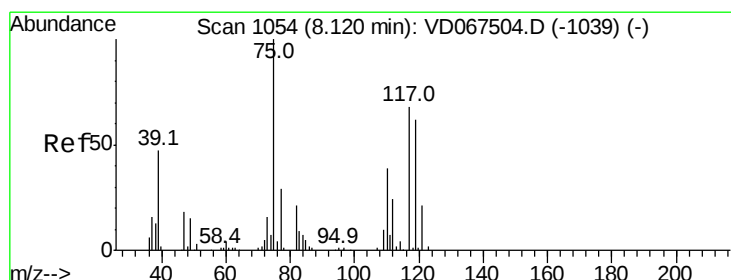
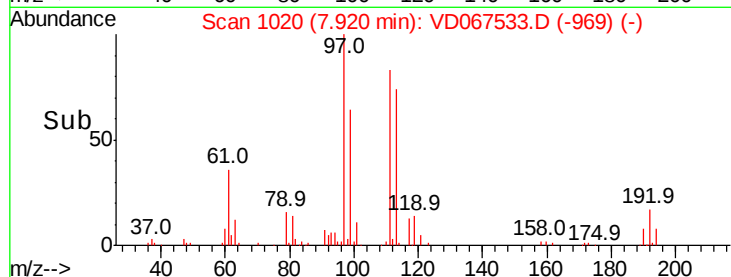
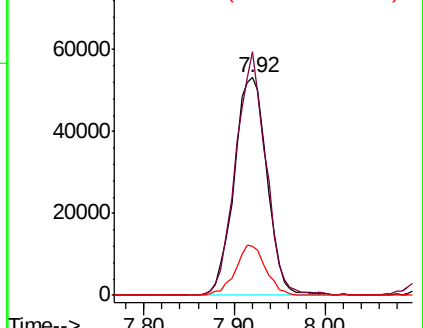
192 21.3 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.951 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

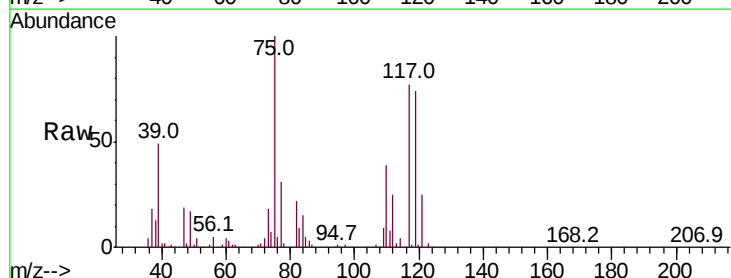
Tgt Ion: 75 Resp: 201868

Ion Ratio Lower Upper

75 100

110 40.0 19.9 59.7

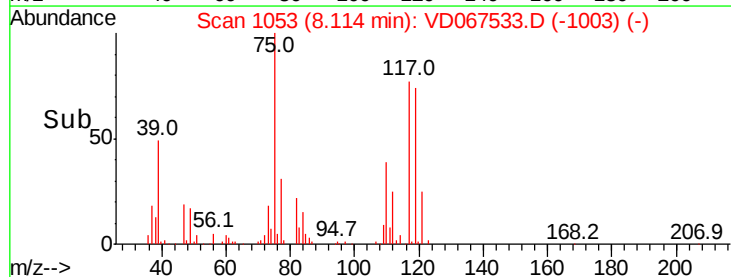
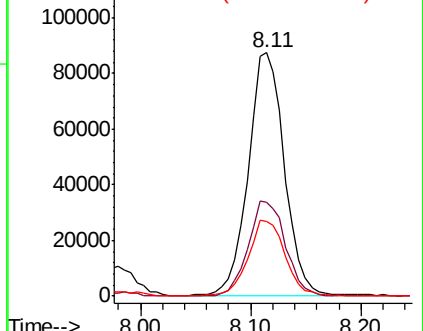
77 31.8 24.8 37.2

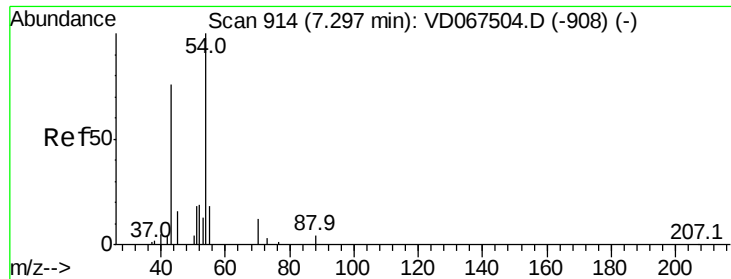


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

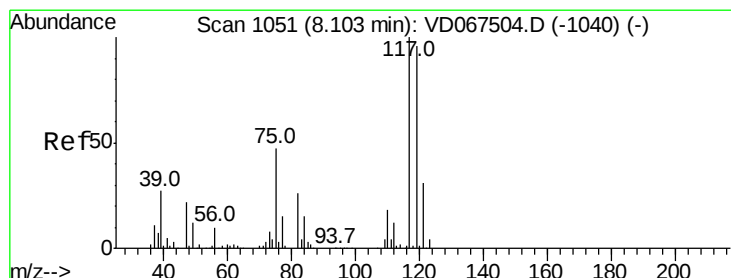
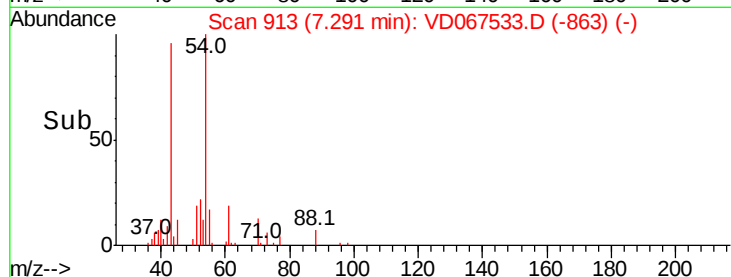
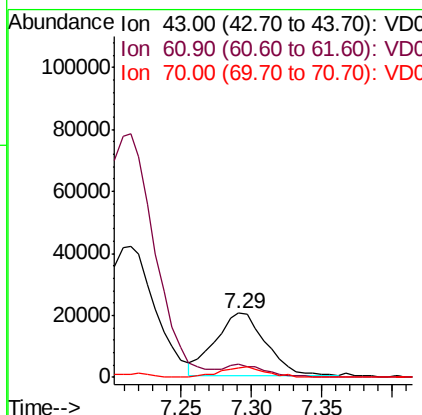
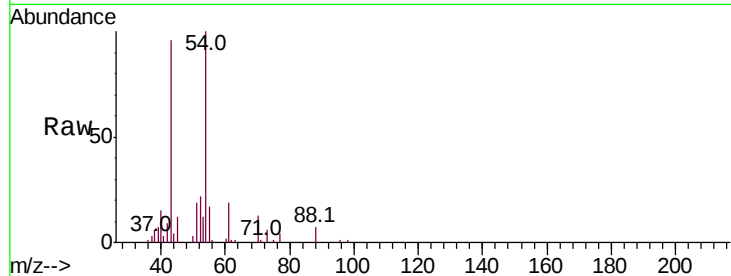




#37
Ethyl Acetate
Concen: 46.289 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

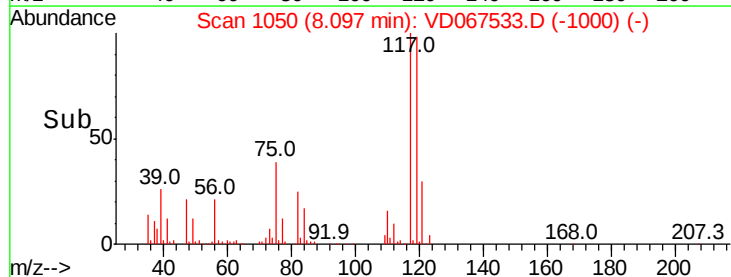
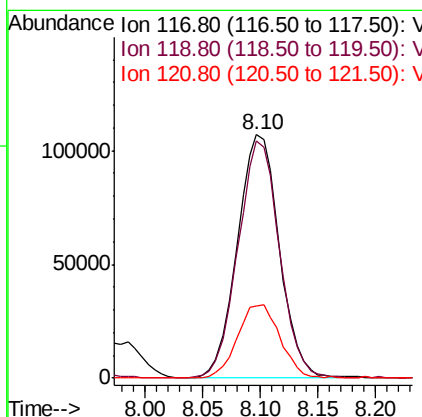
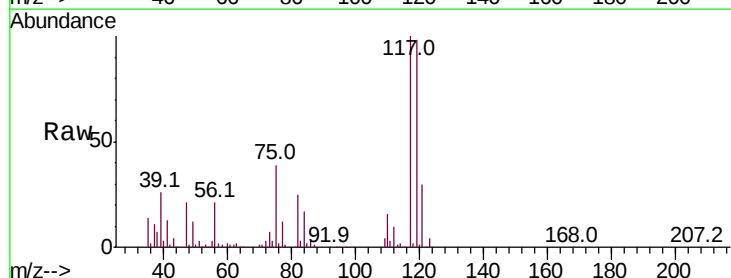
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

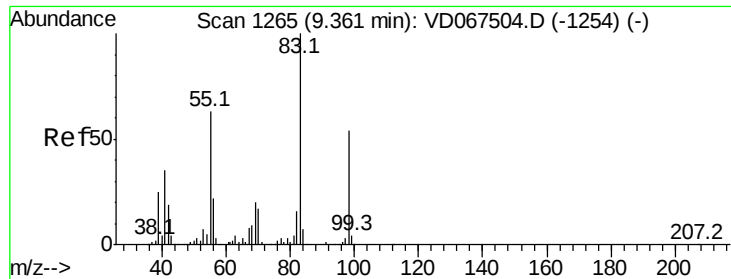
Tot Ion: 43 Resp: 50592
Ion Ratio Lower Upper
43 100
61 17.2 12.8 19.2
70 15.1 11.7 17.5



#38
Carbon Tetrachloride
Concen: 49.165 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 117 Resp: 268922
Ion Ratio Lower Upper
117 100
119 97.7 76.9 115.3
121 29.7 24.5 36.7

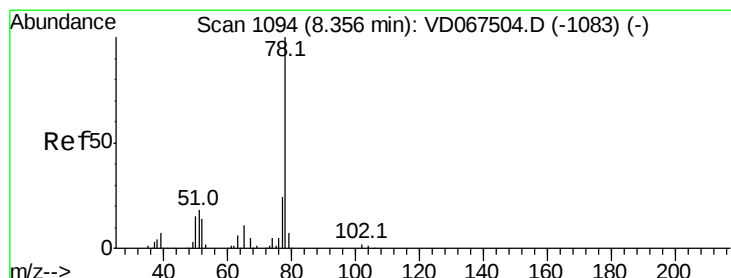
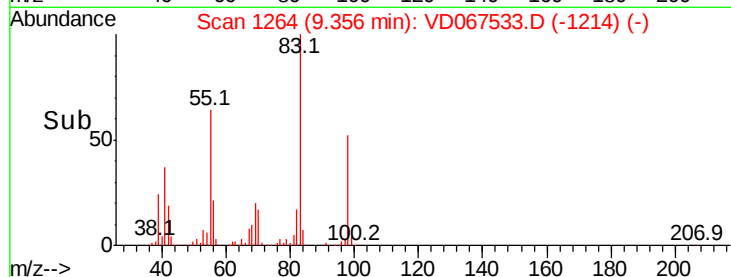
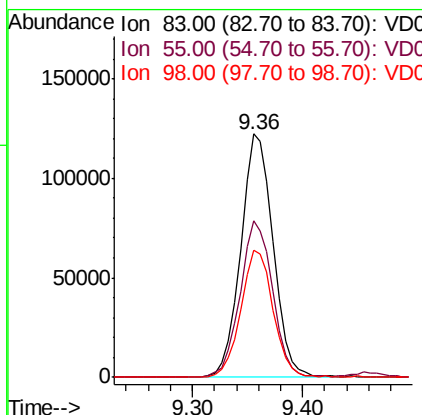
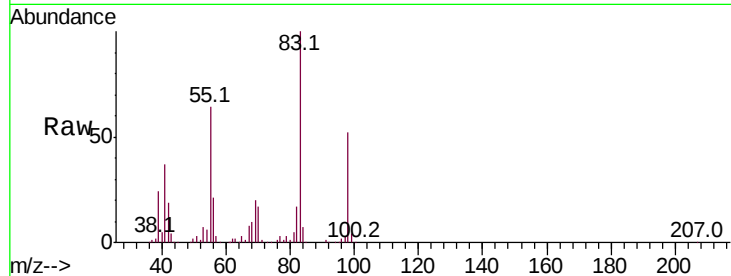




#39
Methvlcvclohexane
Concen: 50.846 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

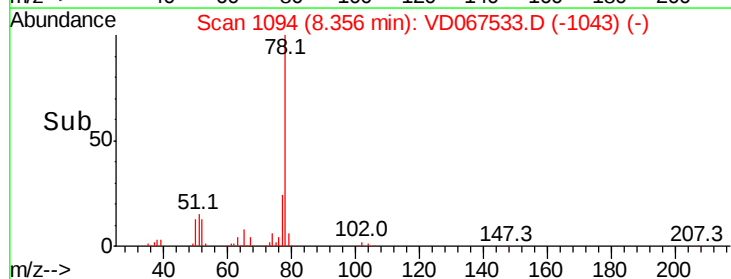
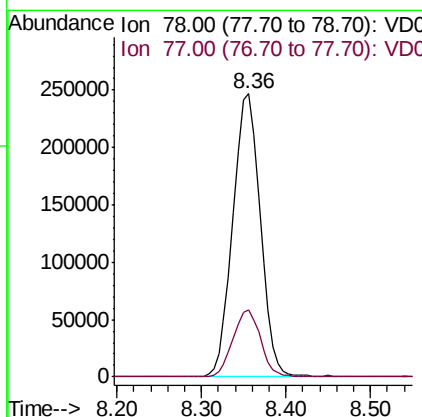
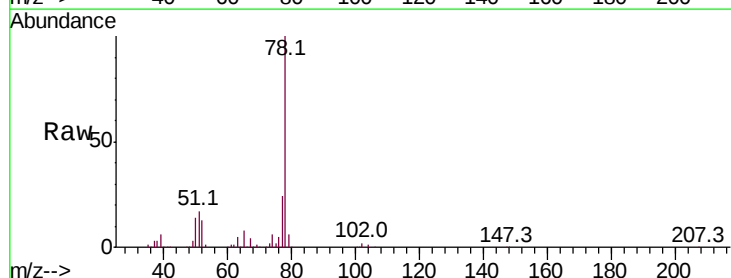
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

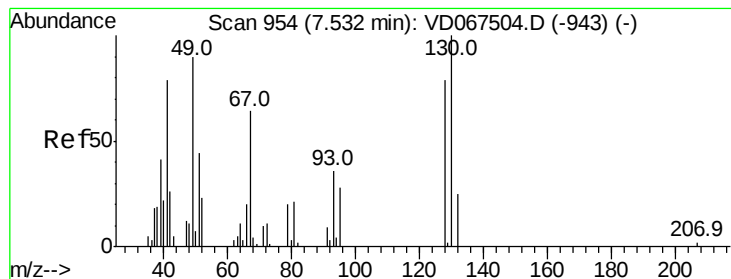
Tot Ion	83	Resp	251939
Ion Ratio	Lower	Upper	
83	100		
55	64.2	50.5	75.7
98	52.2	43.4	65.0



#40
Benzene
Concen: 48.817 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	78	Resp	556688
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 40.175 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 26247

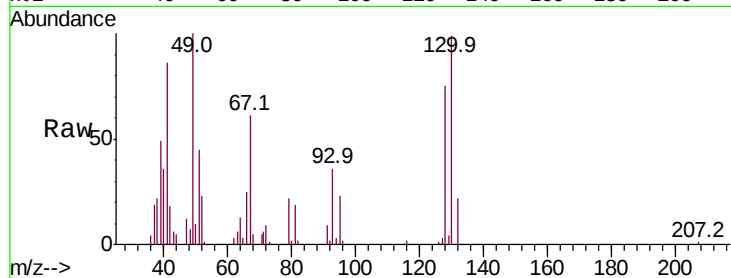
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 103.3 78.9 118.3

52 47.3 31.4 47.2#

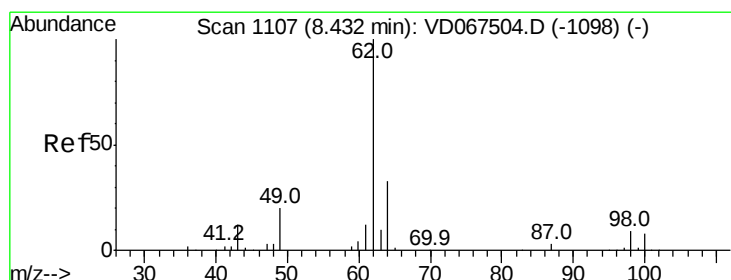
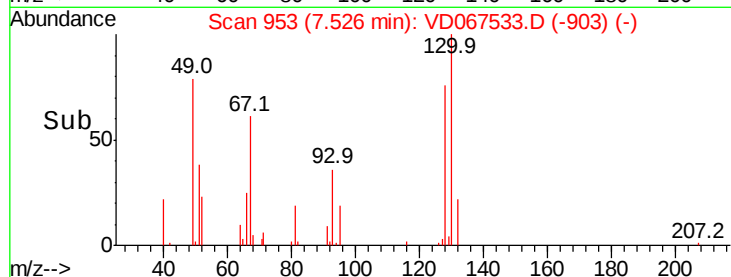
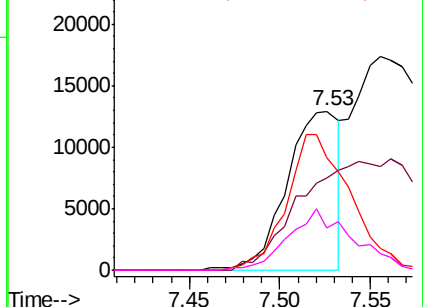


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 47.826 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067533.D

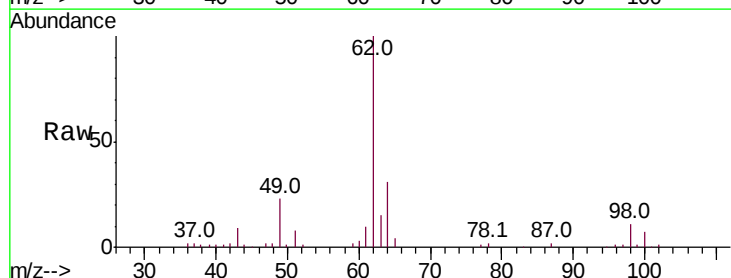
Acq: 05 Nov 2020 09:46

Tgt Ion: 62 Resp: 168505

Ion Ratio Lower Upper

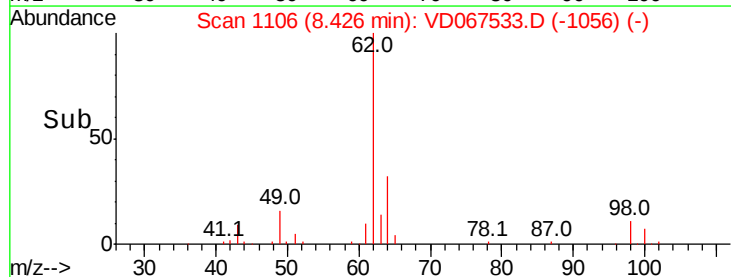
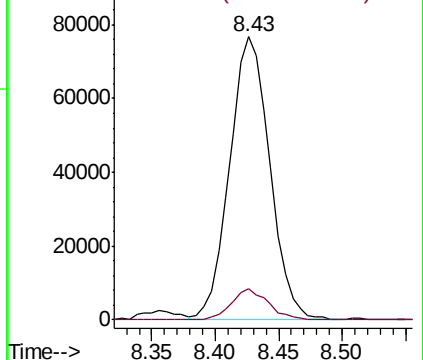
62 100

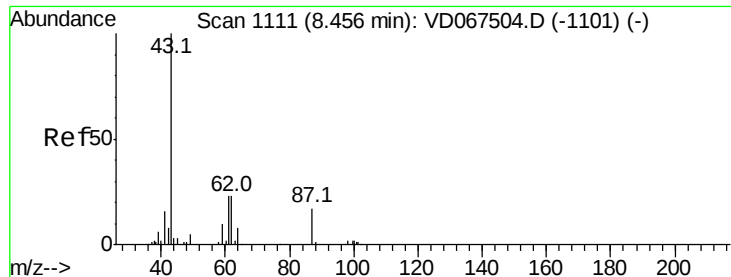
98 10.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.107 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

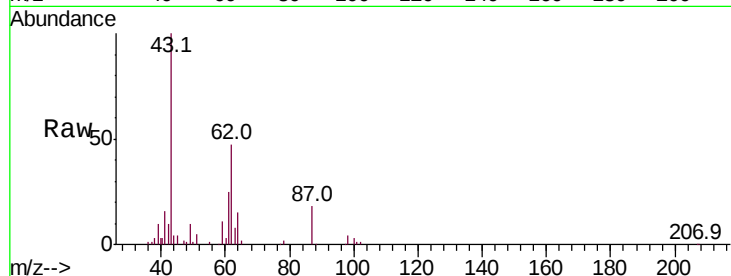
Tot Ion: 43 Resp: 101823

Ion Ratio Lower Upper

43 100

61 38.7 30.5 45.7

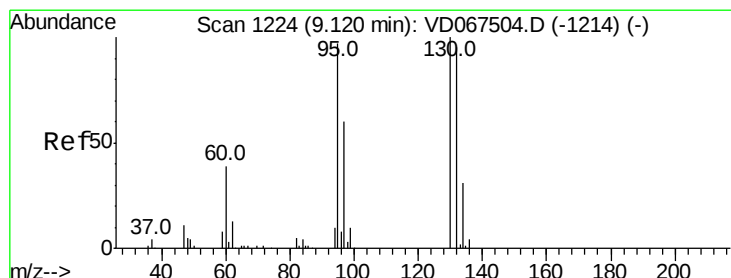
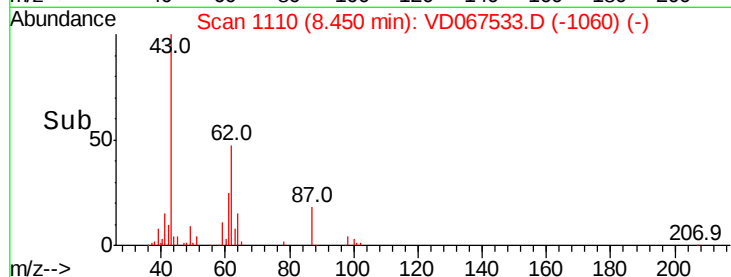
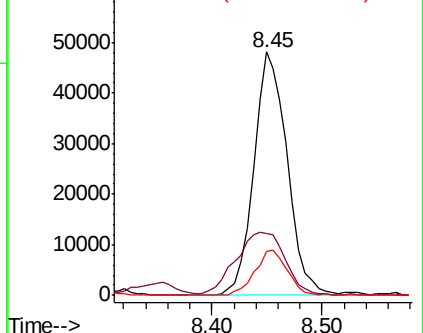
87 18.0 14.7 22.1



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: 47.728 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067533.D

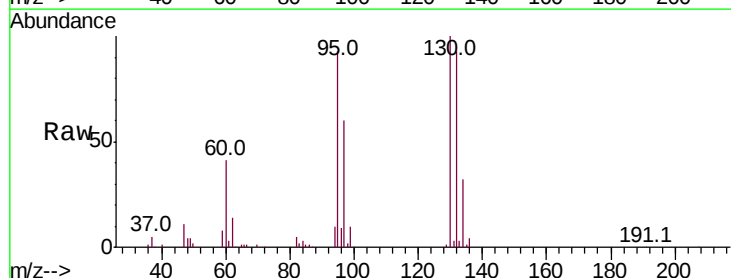
Acq: 05 Nov 2020 09:46

Tgt Ion:130 Resp: 178961

Ion Ratio Lower Upper

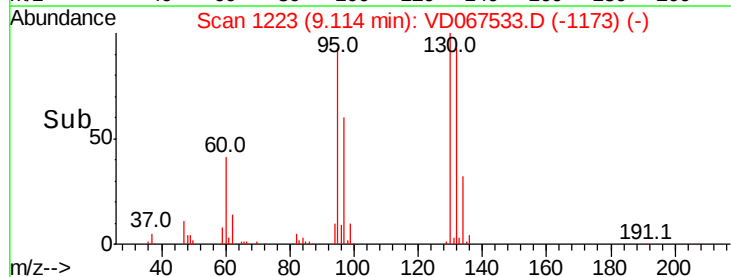
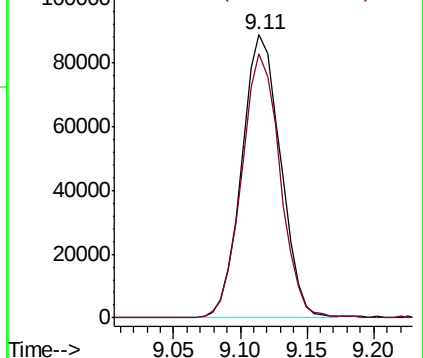
130 100

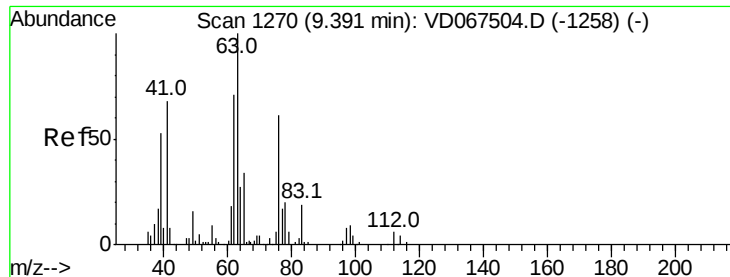
95 93.5 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.849 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

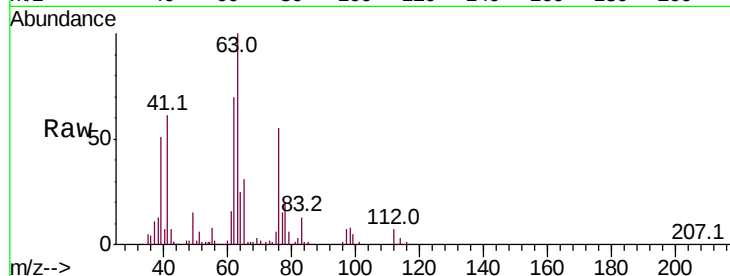
VSTDCCC050

Tot Ion: 63 Resp: 117974

Ion Ratio Lower Upper

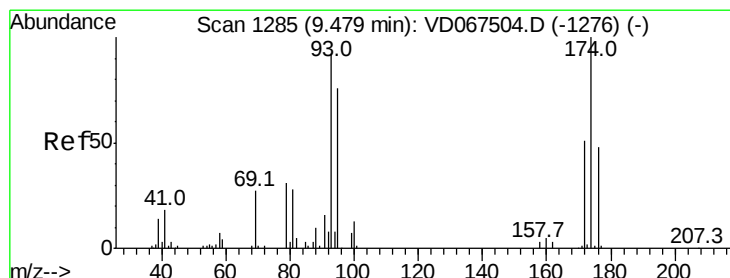
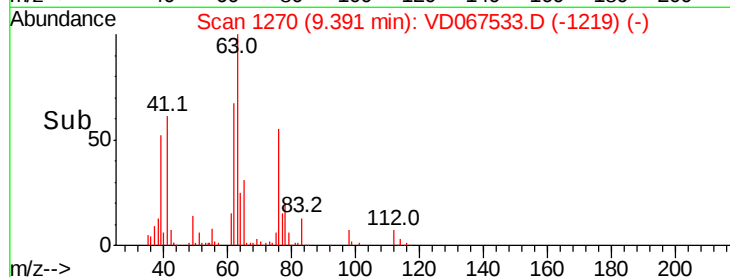
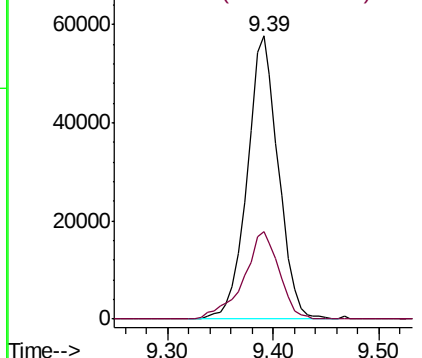
63 100

65 30.8 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.225 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

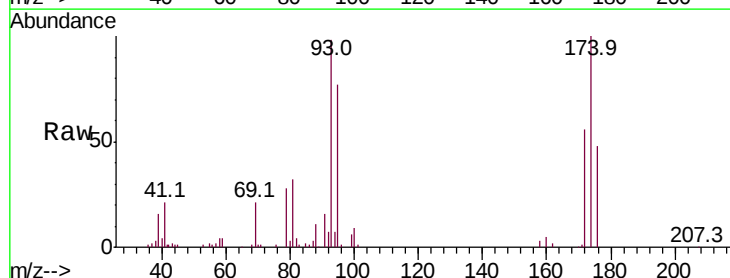
Tgt Ion: 93 Resp: 77167

Ion Ratio Lower Upper

93 100

95 82.3 66.4 99.6

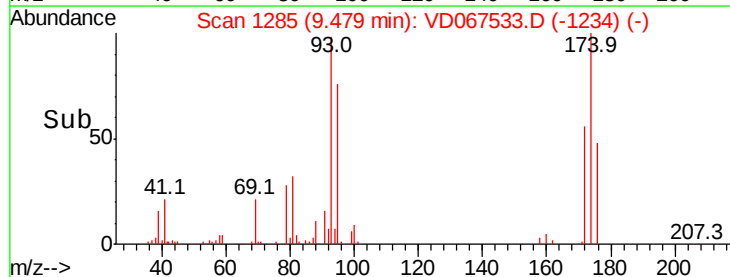
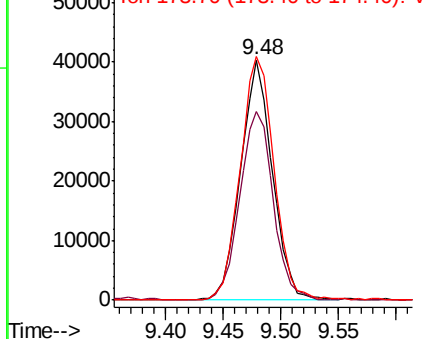
174 108.1 88.2 132.4

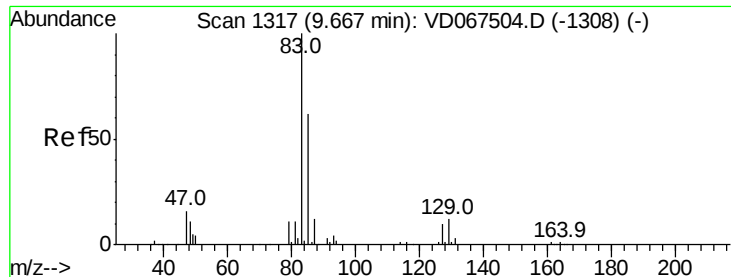


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

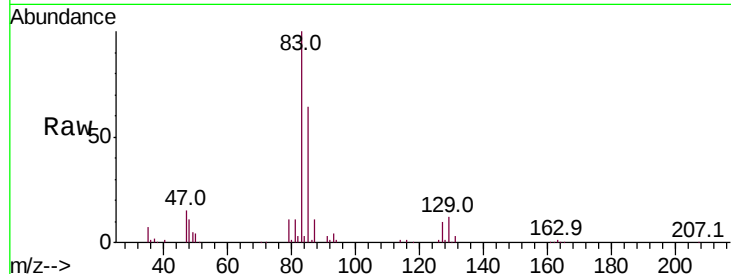




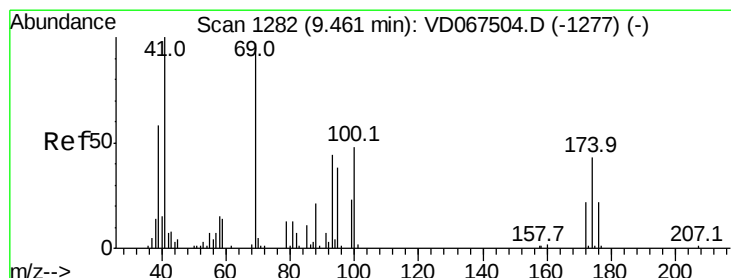
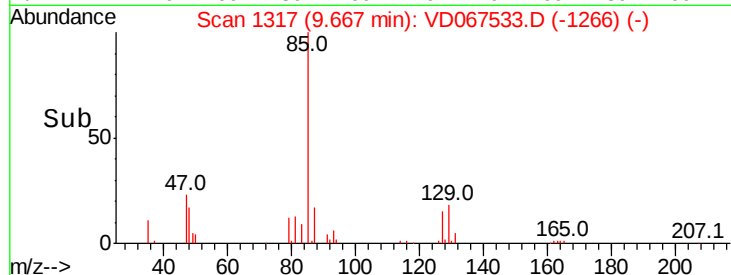
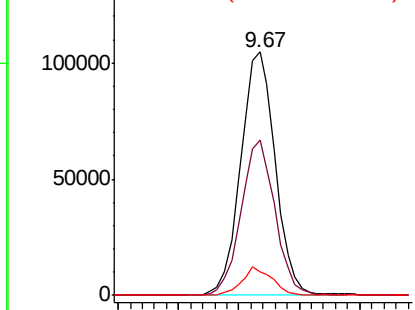
#47
Bromodichloromethane
Concen: 49.113 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 209264
Ion Ratio Lower Upper
83 100
85 63.8 49.4 74.2
127 9.7 7.7 11.5

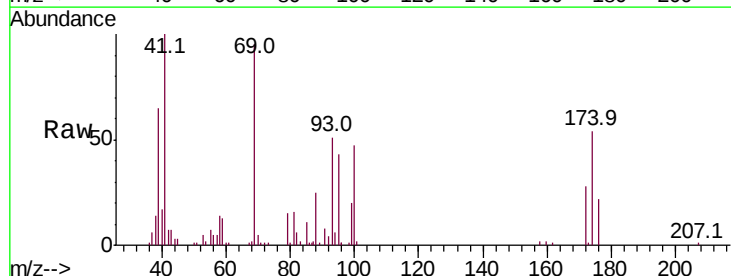


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

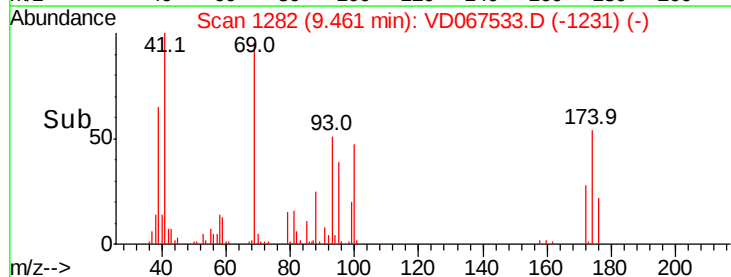
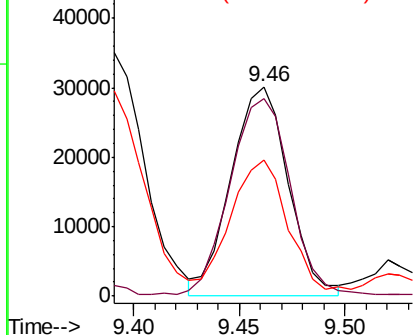


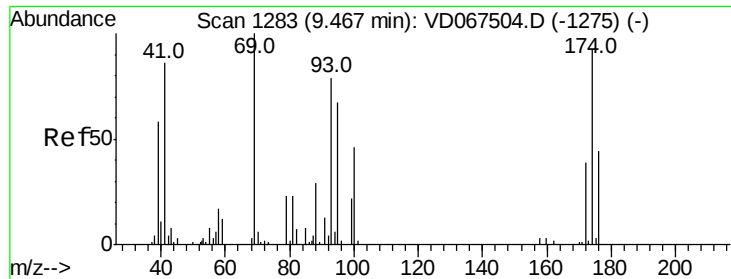
#48
Methyl methacrylate
Concen: 50.480 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 41 Resp: 56338
Ion Ratio Lower Upper
41 100
69 101.5 80.6 121.0
39 59.7 50.2 75.4



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





#49

1,4-Dioxane

Concen: 984.648 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

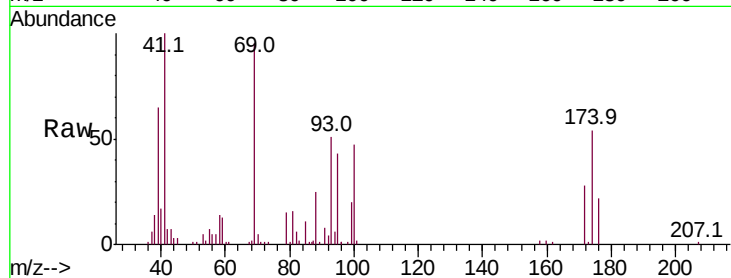
Tot Ion: 88 Resp: 15670

Ion Ratio Lower Upper

88 100

43 28.3 23.6 35.4

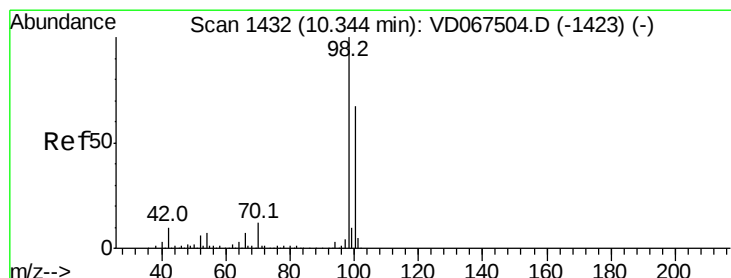
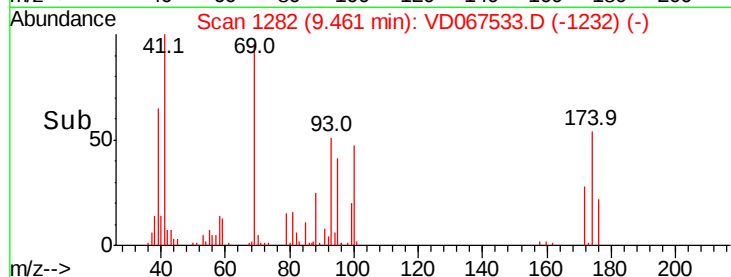
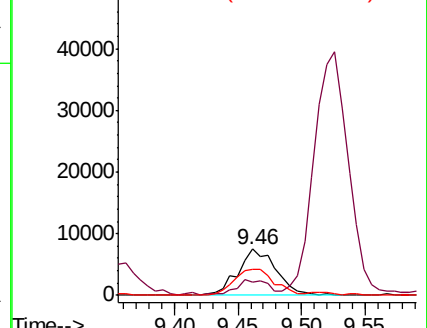
58 59.1 44.7 67.1



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: 45.328 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067533.D

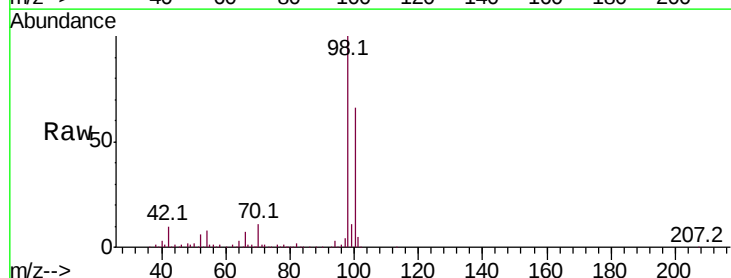
Acq: 05 Nov 2020 09:46

Tgt Ion: 98 Resp: 472015

Ion Ratio Lower Upper

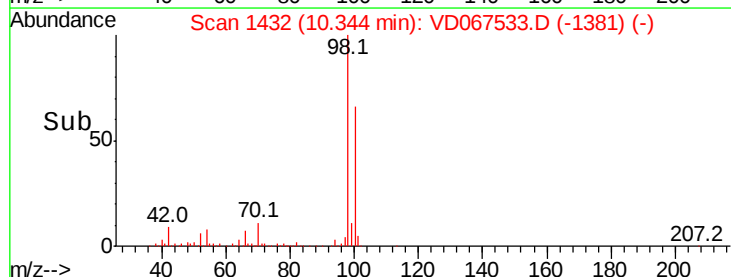
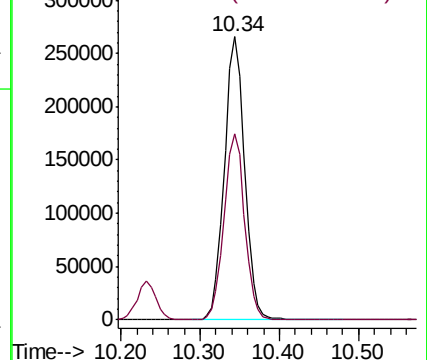
98 100

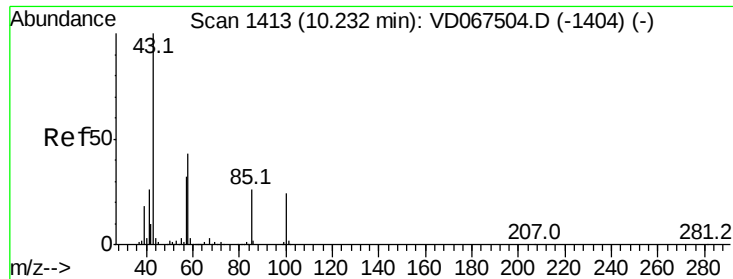
100 66.7 53.0 79.6



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: 252.912 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

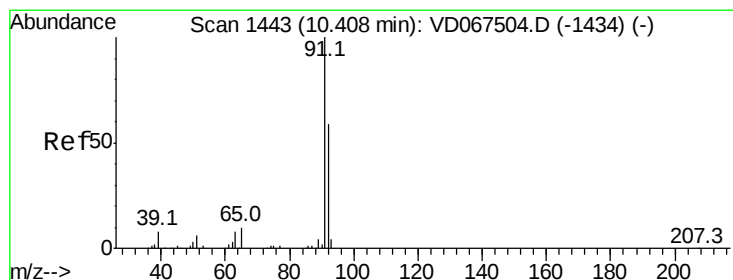
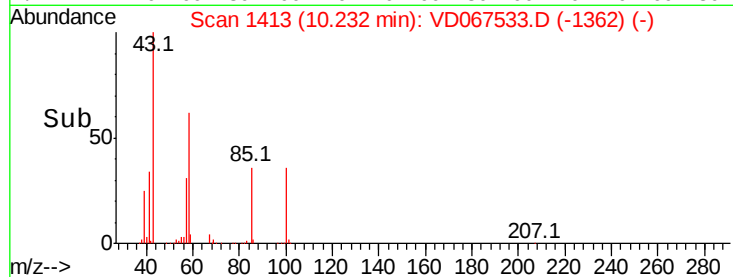
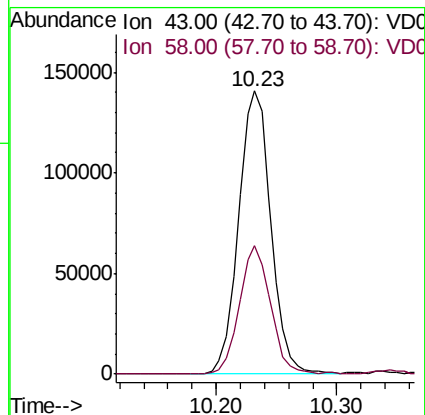
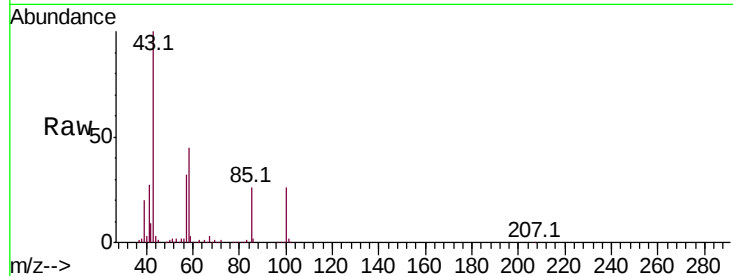
VSTDCCC050

Tot Ion: 43 Resp: 261451

Ion Ratio Lower Upper

43 100

58 43.5 35.6 53.4



#52

Toluene

Concen: 49.546 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067533.D

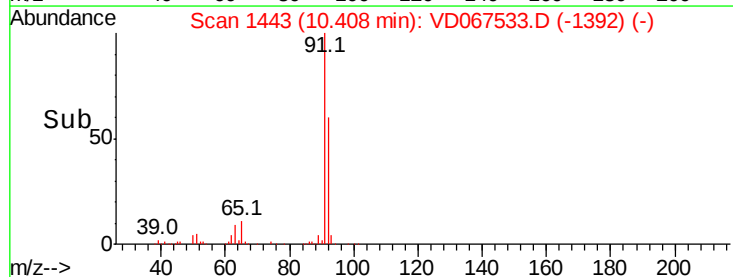
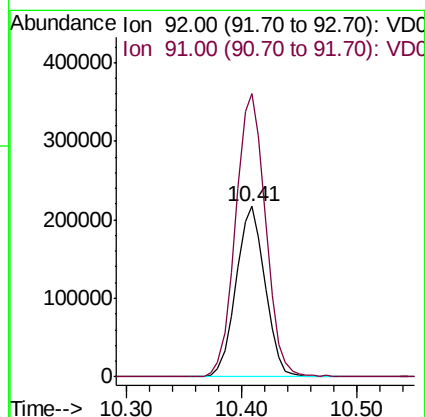
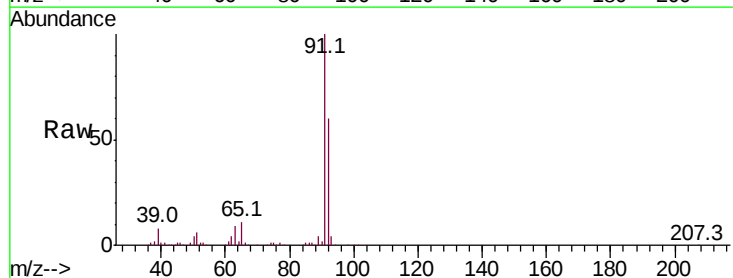
Acq: 05 Nov 2020 09:46

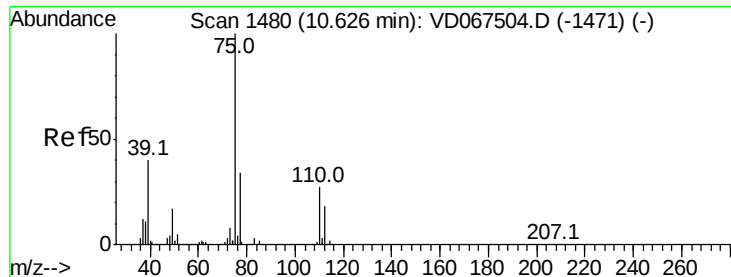
Tgt Ion: 92 Resp: 378438

Ion Ratio Lower Upper

92 100

91 172.1 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 49.115 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

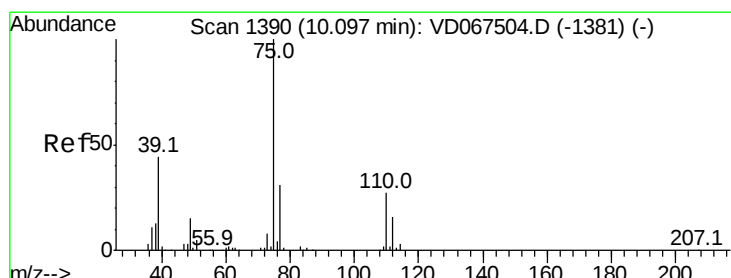
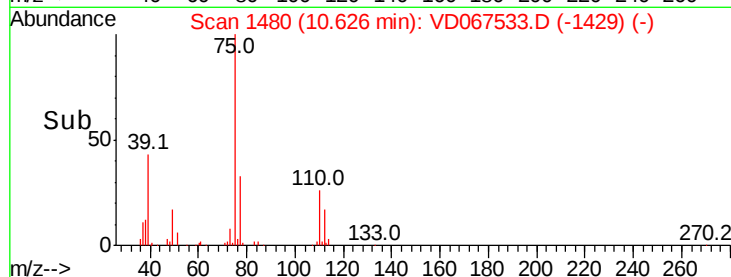
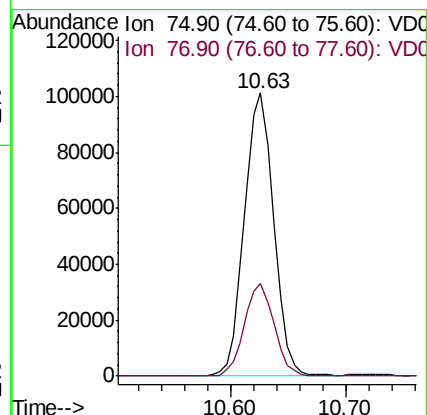
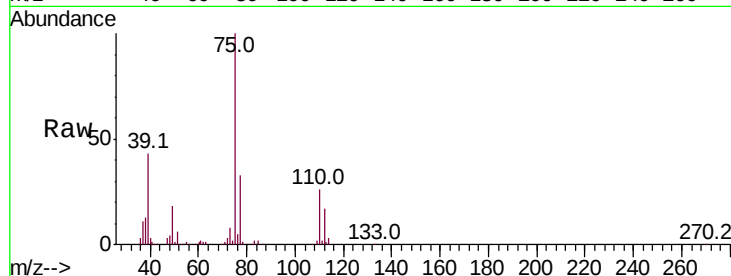
VSTDCCC050

Tot Ion: 75 Resp: 179235

Ion Ratio Lower Upper

75 100

77 32.9 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 47.016 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

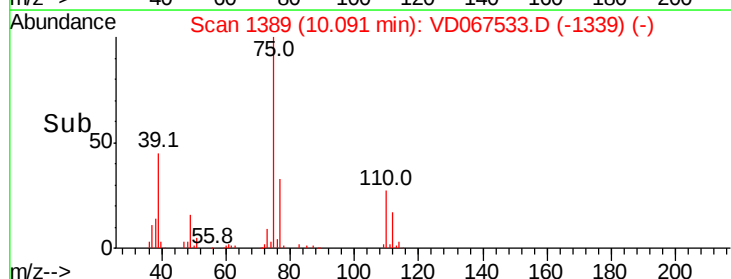
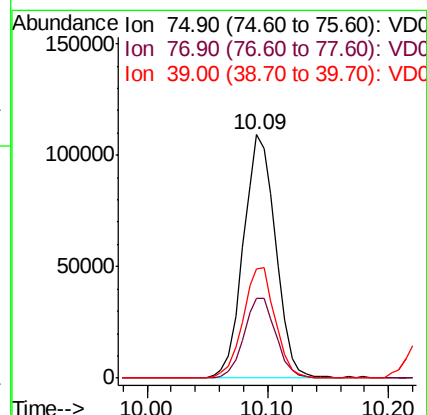
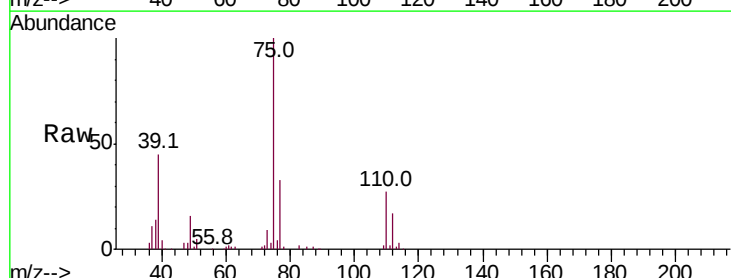
Tgt Ion: 75 Resp: 203847

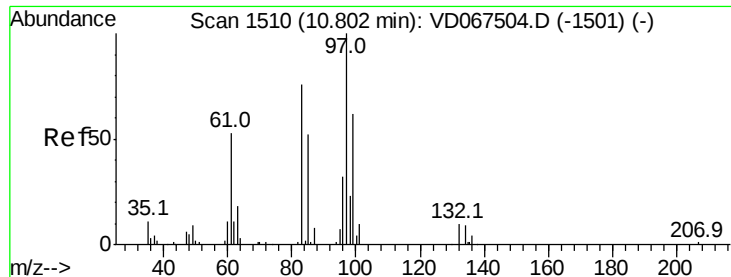
Ion Ratio Lower Upper

75 100

77 32.6 24.4 36.6

39 44.5 35.6 53.4

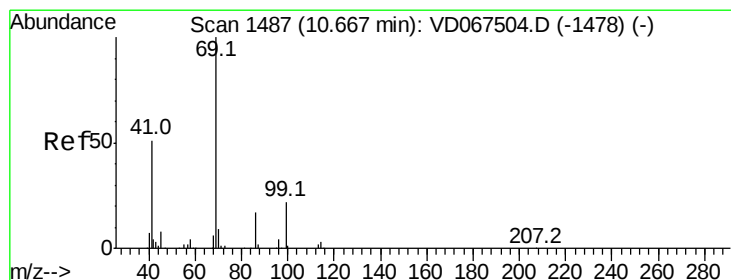
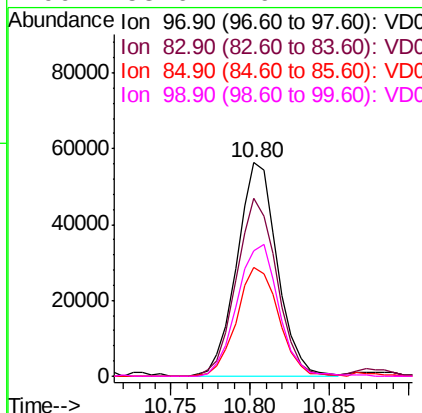
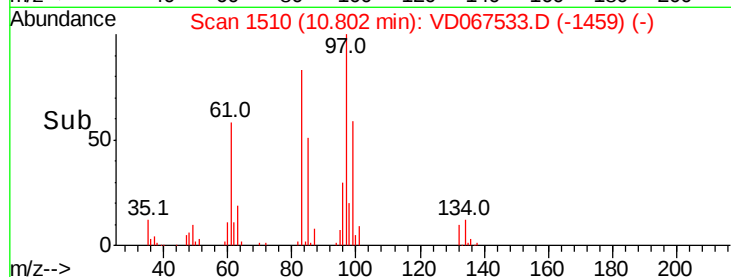
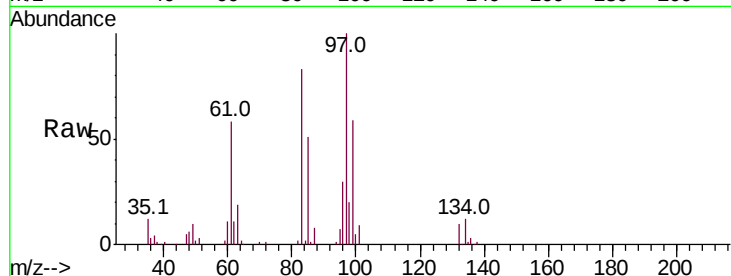




#55
 1,1,2-Trichloroethane
 Concen: 48.274 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

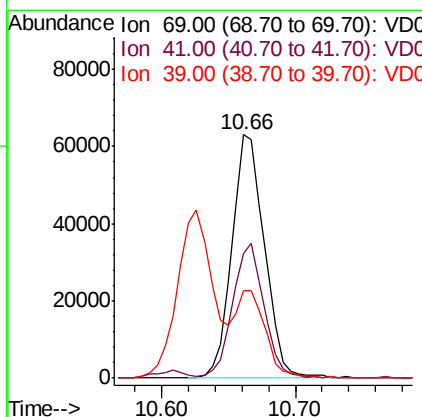
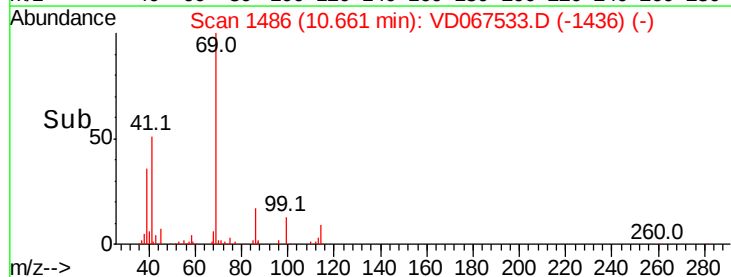
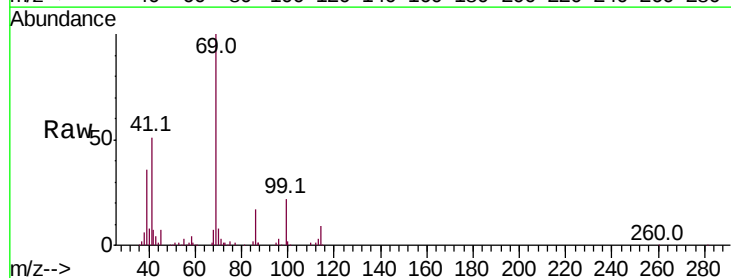
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

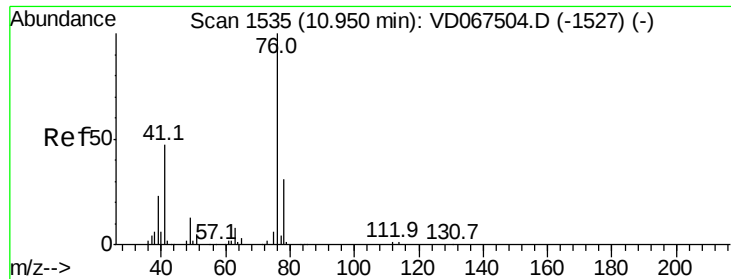
Tot Ion:	97	Resp:	100129
Ion	Ratio	Lower	Upper
97	100		
83	83.1	61.0	91.6
85	51.2	41.5	62.3
99	58.6	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 49.929 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion:	69	Resp:	106945
Ion	Ratio	Lower	Upper
69	100		
41	54.0	45.4	68.0
39	31.8	27.4	41.0

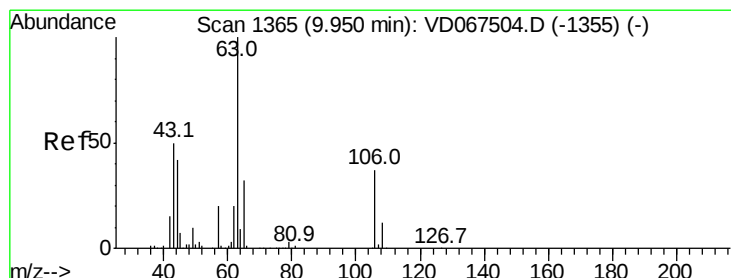
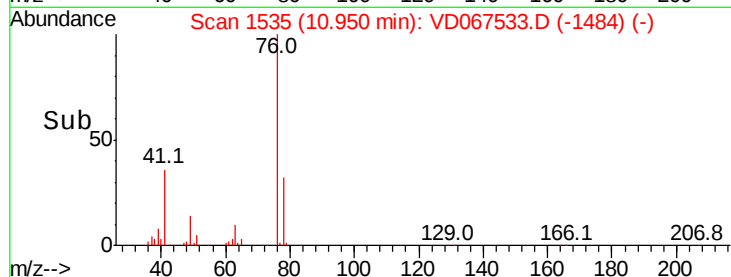
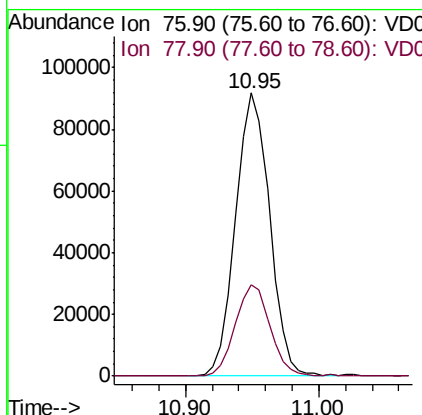
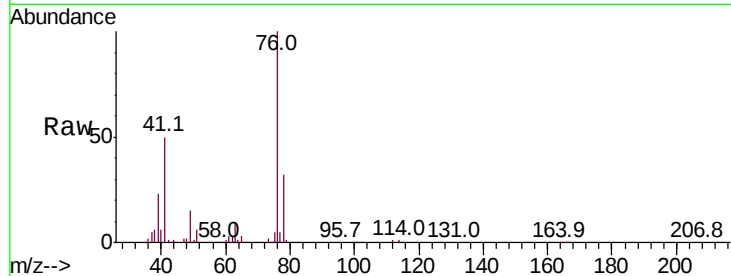




#57
 1,3-Dichloropropane
 Concen: 48.749 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

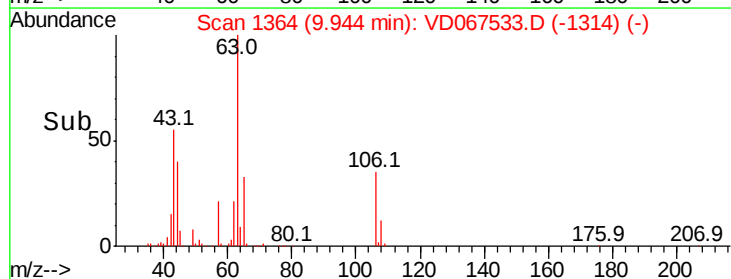
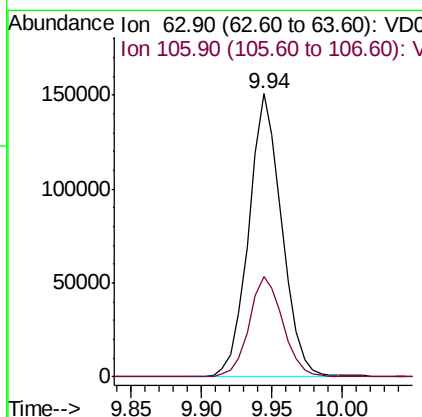
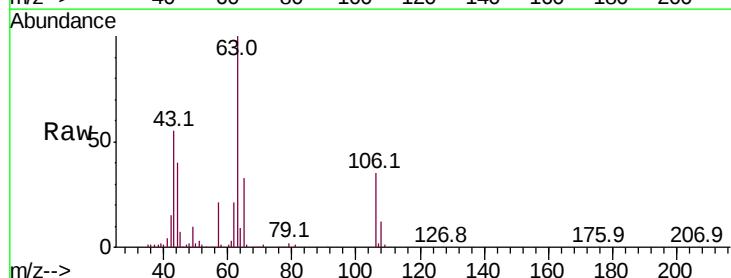
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

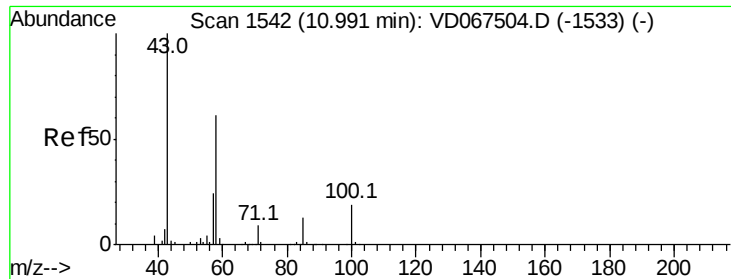
Tot Ion: 76 Resp: 162713
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.236 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion: 63 Resp: 247952
 Ion Ratio Lower Upper
 63 100
 106 36.2 29.2 43.8

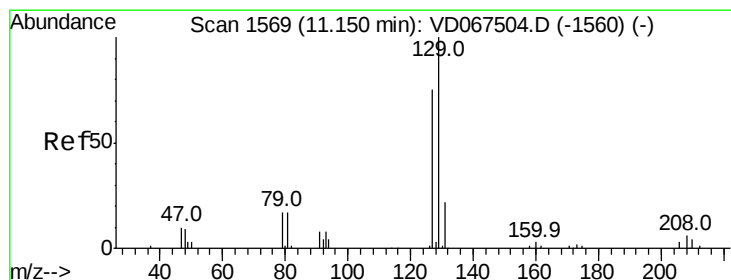
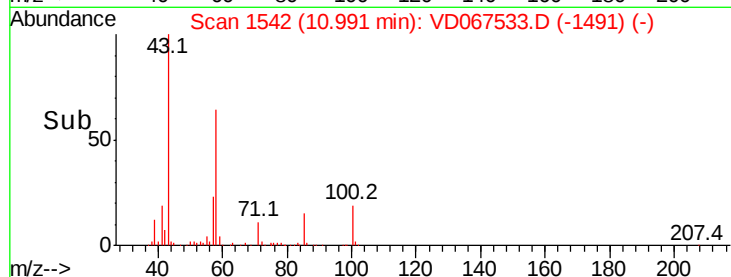
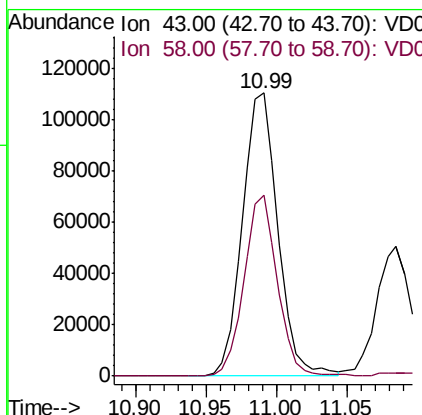
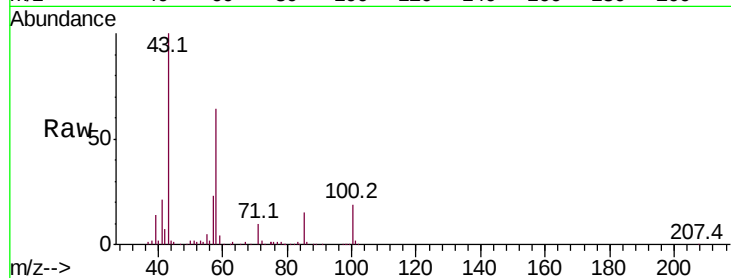




#59
2-Hexanone
Concen: 269.500 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

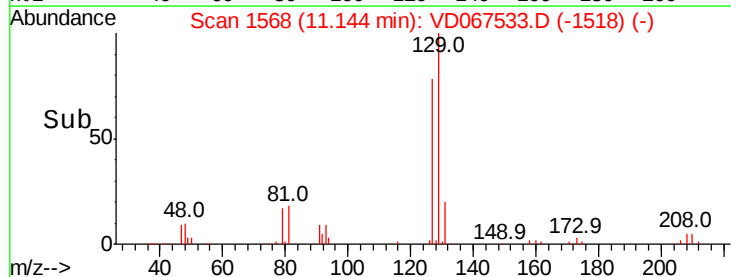
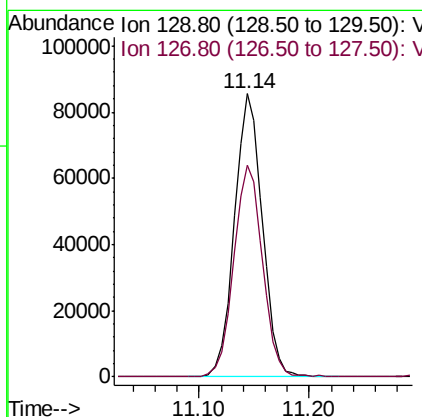
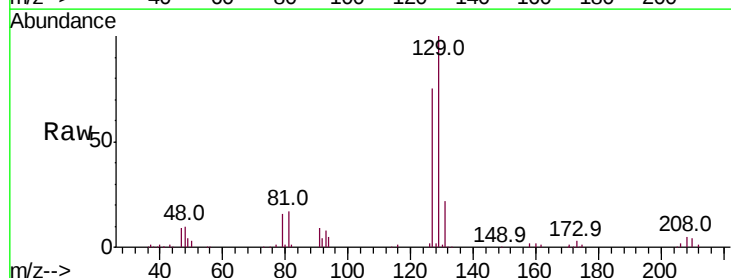
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

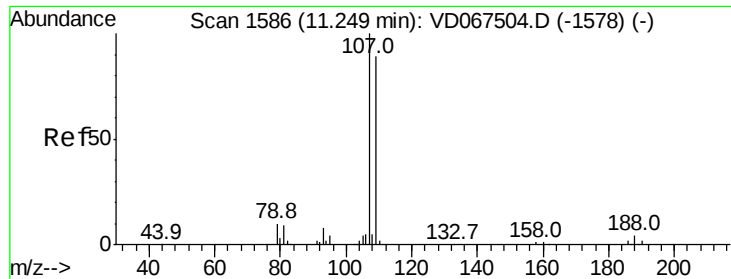
Tot Ion: 43 Resp: 194797
Ion Ratio Lower Upper
43 100
58 60.2 30.3 90.9



#60
Dibromochloromethane
Concen: 49.504 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 129 Resp: 151894
Ion Ratio Lower Upper
129 100
127 76.9 38.0 114.1

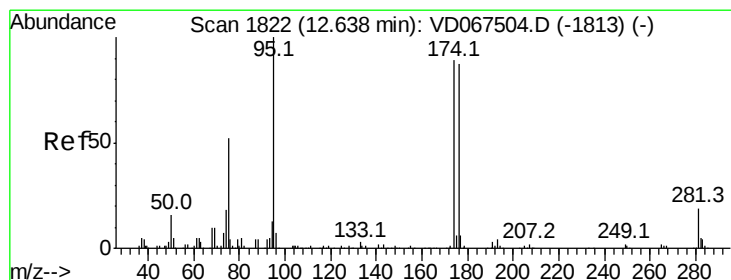
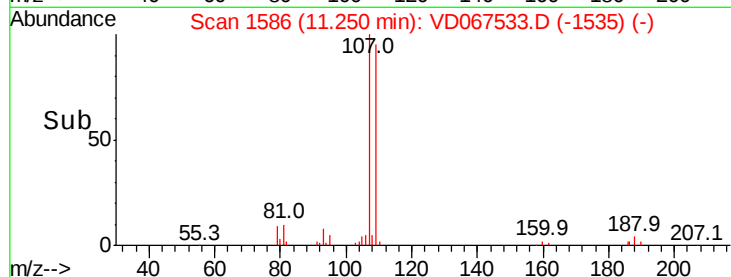
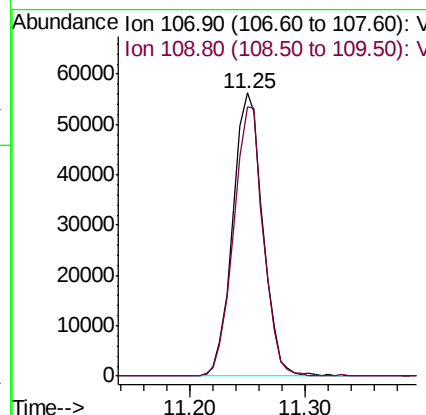
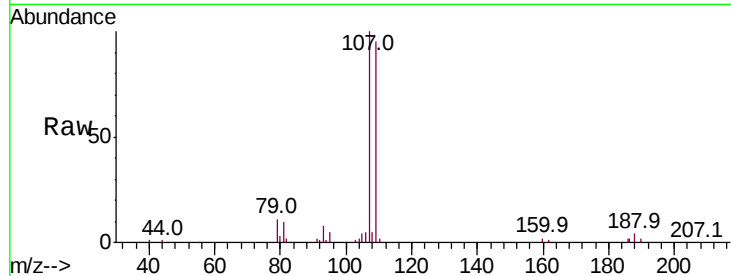




#61
 1,2-Dibromoethane
 Concen: 48.580 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

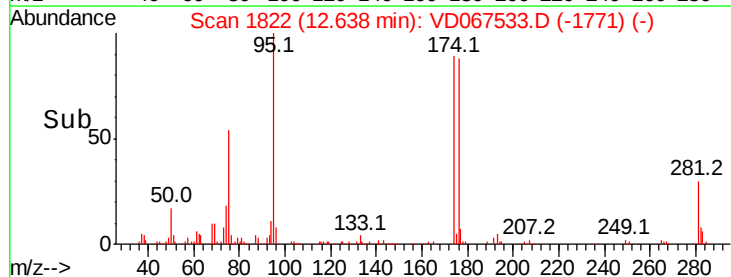
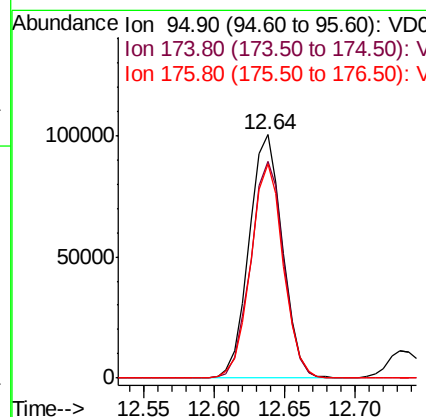
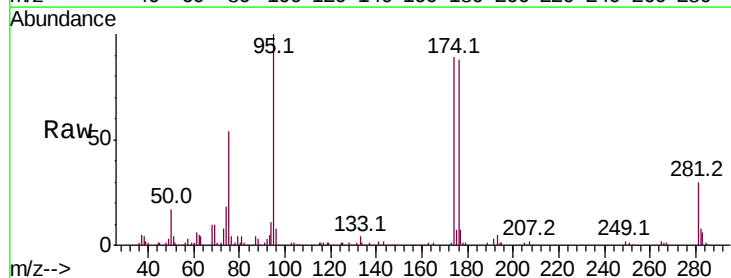
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

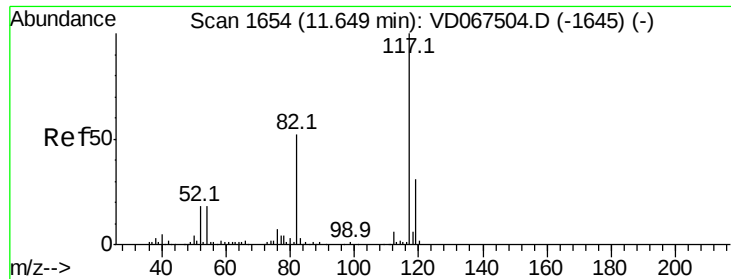
Tot Ion:107 Resp: 101132
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 46.402 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion: 95 Resp: 166823
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 177.8
 176 85.8 0.0 172.0

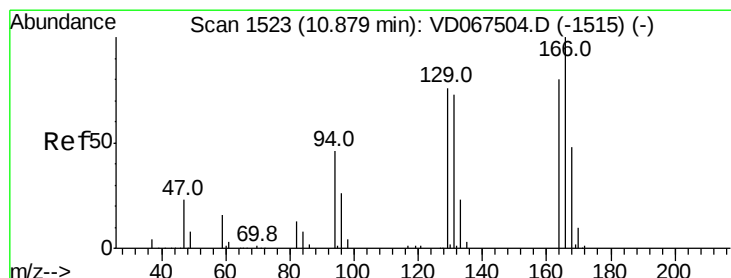
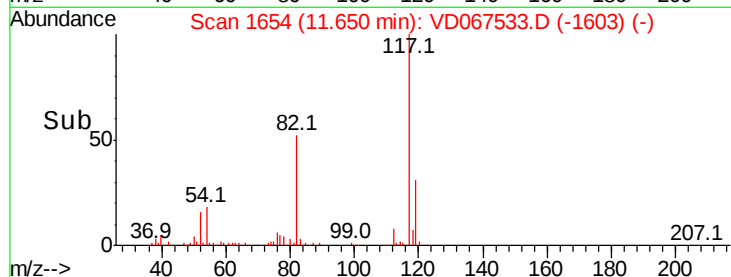
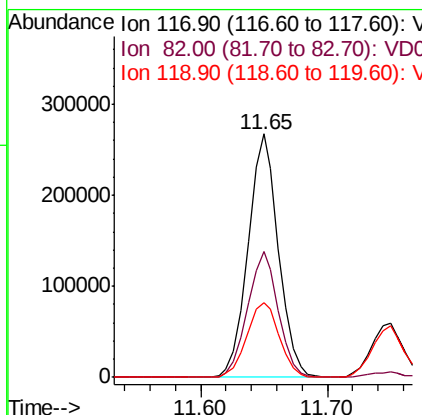
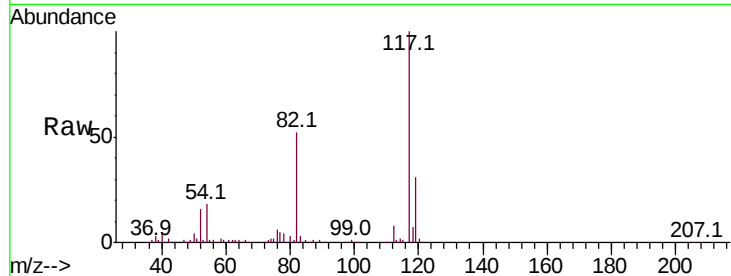




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

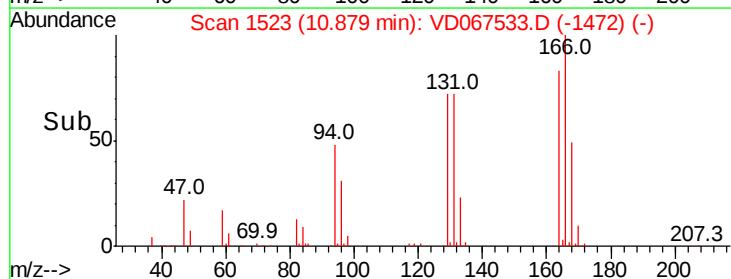
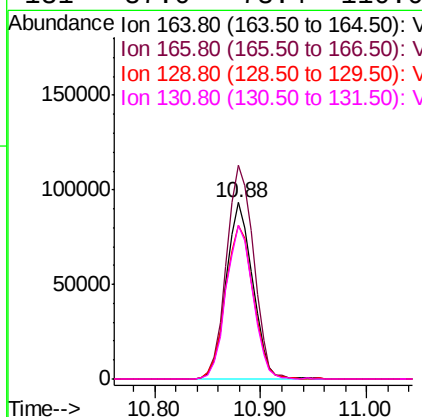
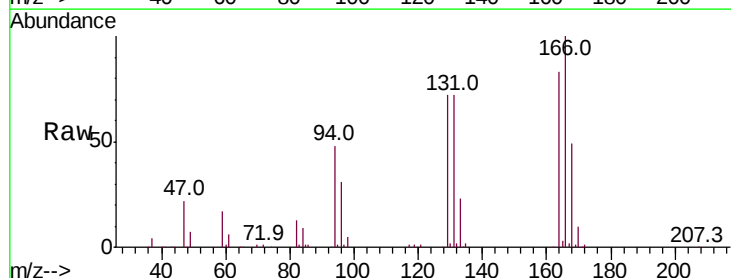
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

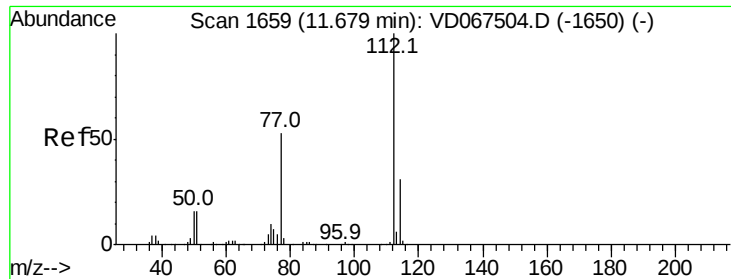
Tot Ion:117 Resp: 445424
Ion Ratio Lower Upper
117 100
82 51.8 41.6 62.4
119 30.7 25.1 37.7



#64
Tetrachloroethene
Concen: 49.057 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion:164 Resp: 161829
Ion Ratio Lower Upper
164 100
166 121.1 99.9 149.9
129 87.2 75.5 113.3
131 87.0 73.4 110.0





#65

Chlorobenzene

Concen: 48.690 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

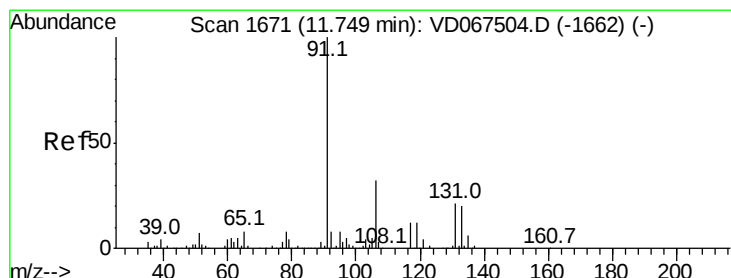
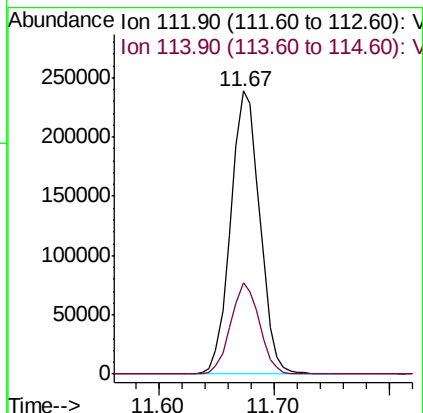
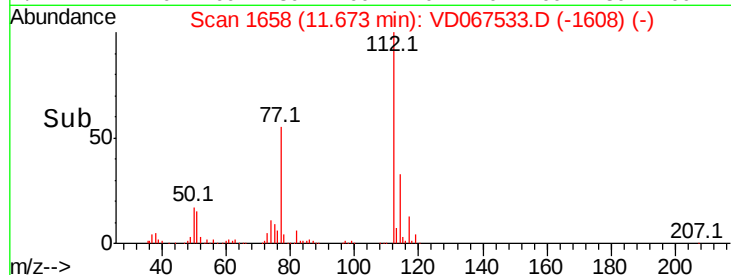
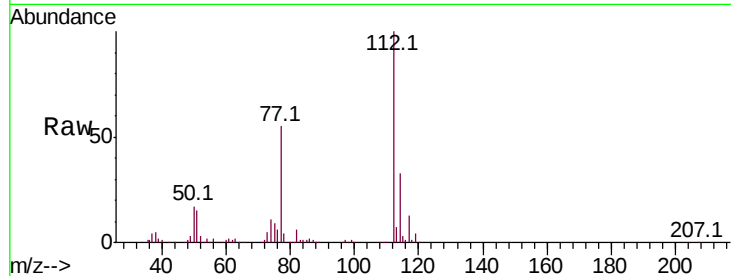
VSTDCCC050

Tot Ion:112 Resp: 417766

Ion Ratio Lower Upper

112 100

114 32.5 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 48.524 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

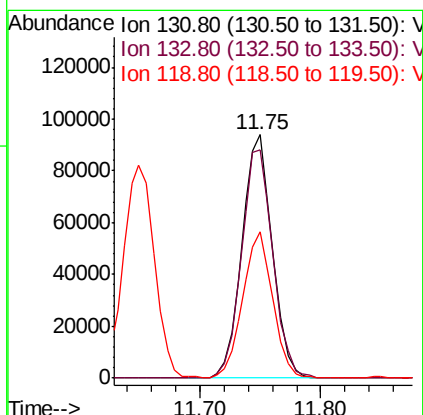
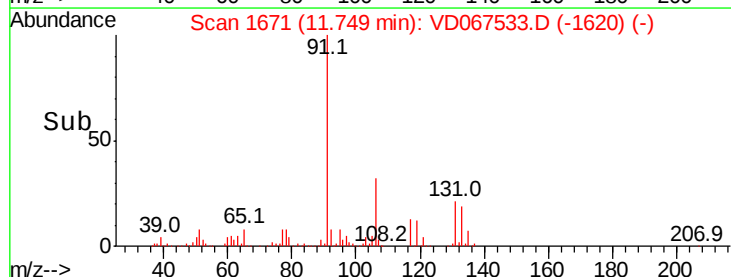
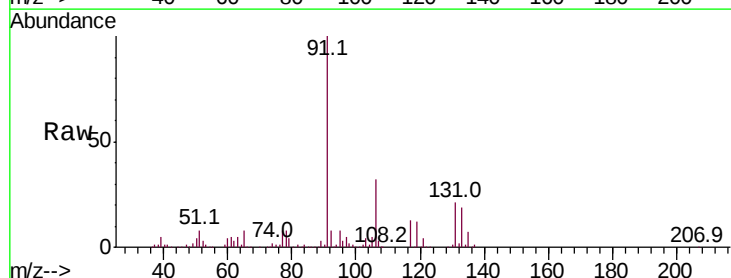
Tgt Ion:131 Resp: 164092

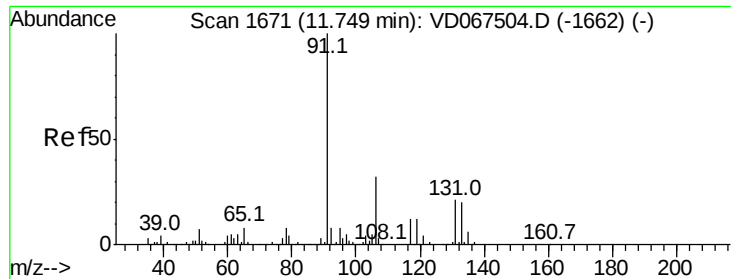
Ion Ratio Lower Upper

131 100

133 97.1 48.0 144.0

119 59.4 30.1 90.5





#67

Ethyl Benzene

Concen: 49.929 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

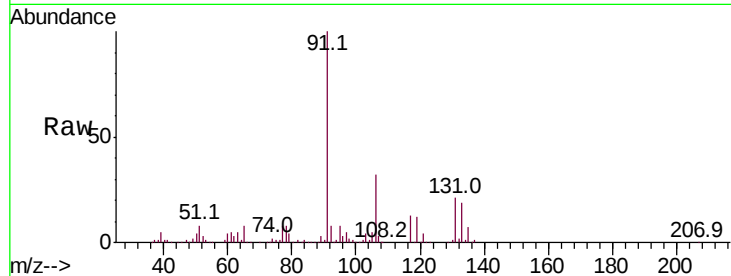
VSTDCCC050

Tot Ion: 91 Resp: 733061

Ion Ratio Lower Upper

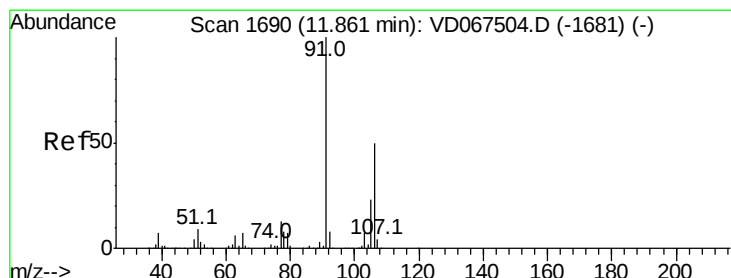
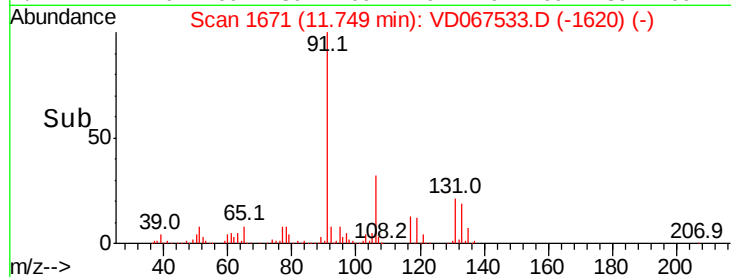
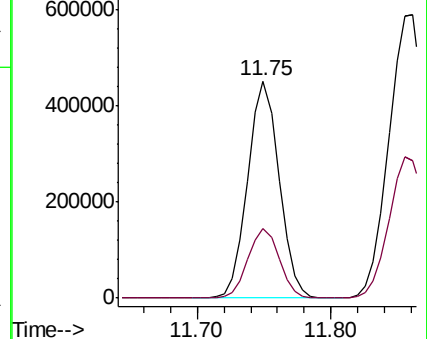
91 100

106 32.3 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 100.083 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067533.D

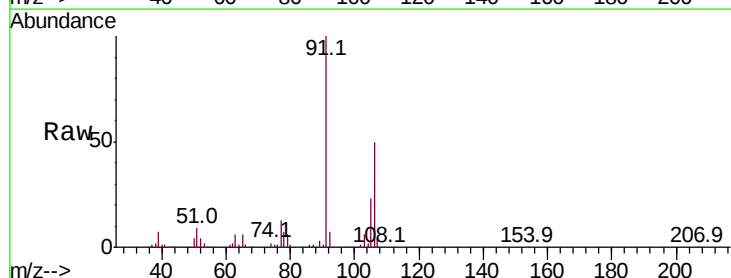
Acq: 05 Nov 2020 09:46

Tgt Ion: 106 Resp: 571675

Ion Ratio Lower Upper

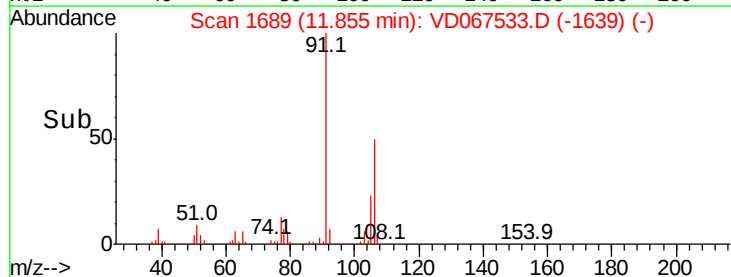
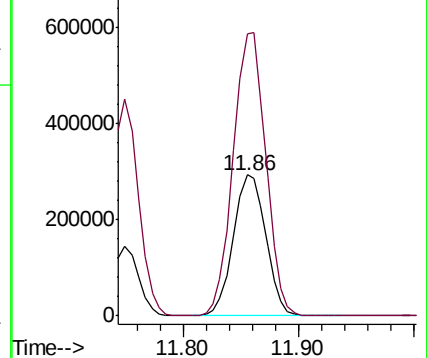
106 100

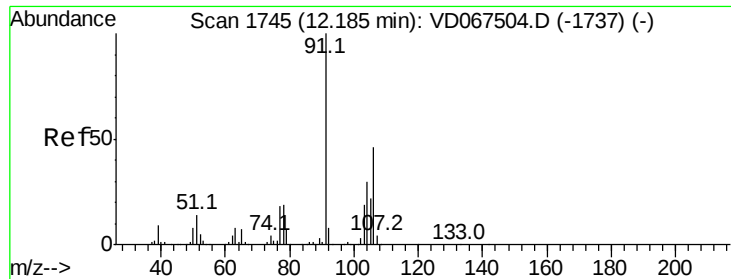
91 201.5 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

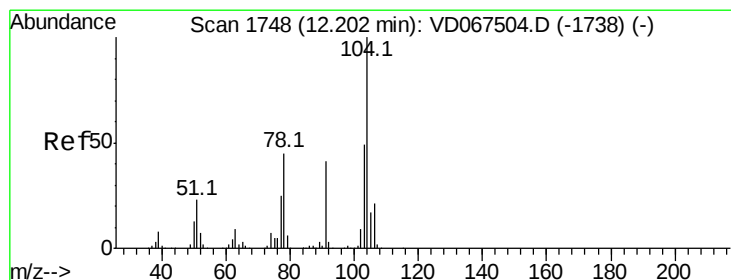
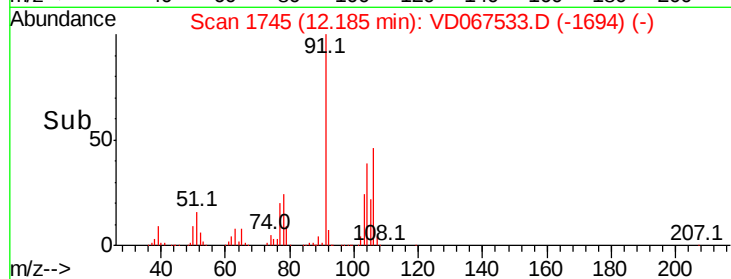
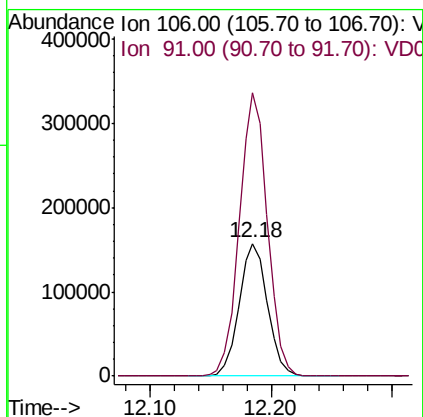
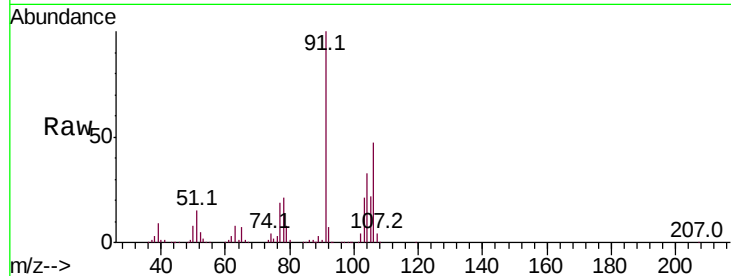




#69
o-Xylene
Concen: 50.447 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

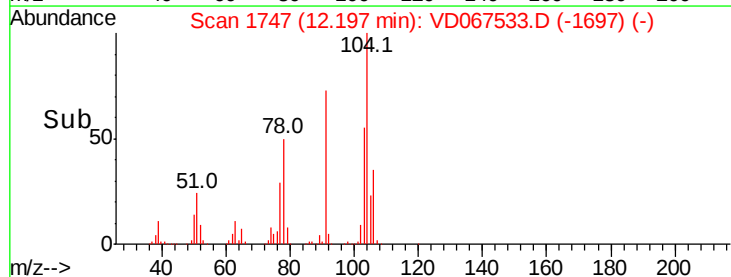
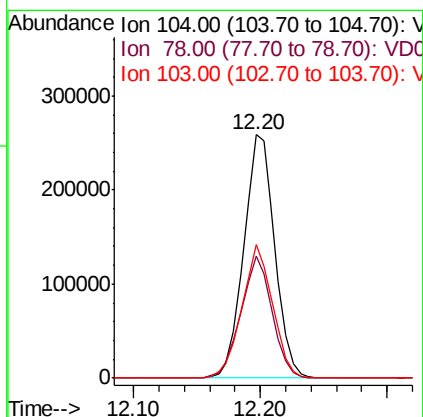
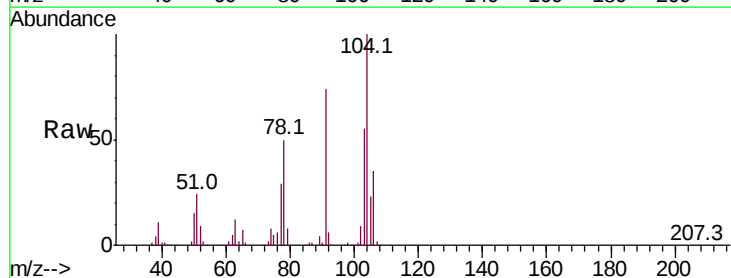
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

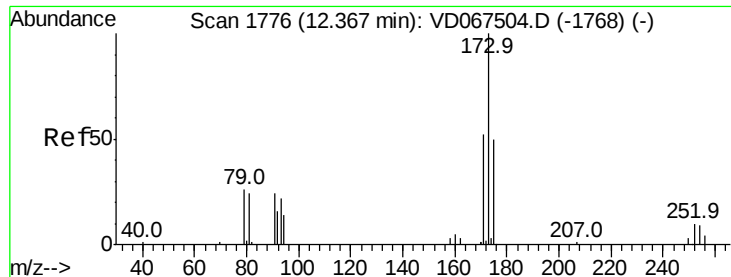
Tot Ion:106 Resp: 257271
Ion Ratio Lower Upper
106 100
91 211.7 107.1 321.1



#70
Styrene
Concen: 49.253 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion:104 Resp: 437694
Ion Ratio Lower Upper
104 100
78 50.8 39.8 59.8
103 54.5 43.9 65.9





#71

Bromoform

Concen: 48.366 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

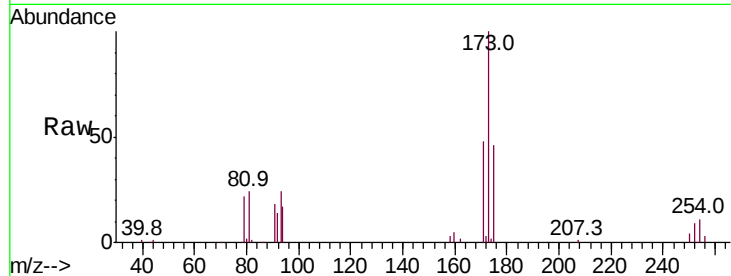
Tot Ion:173 Resp: 83416

Ion Ratio Lower Upper

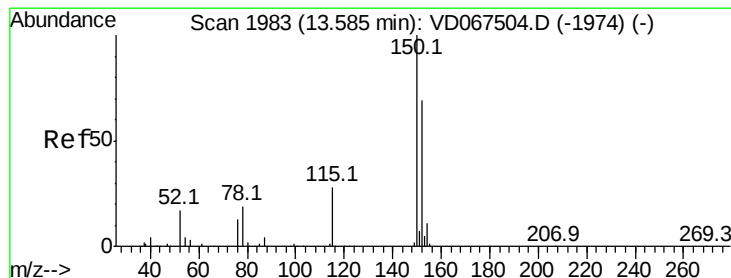
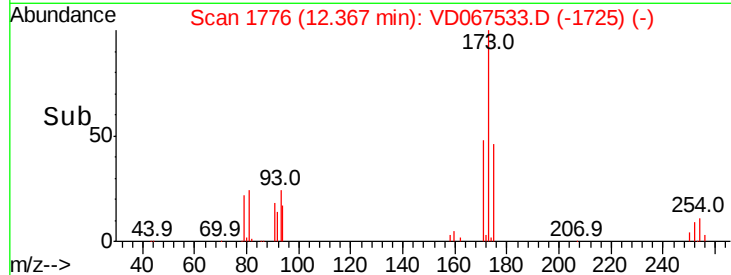
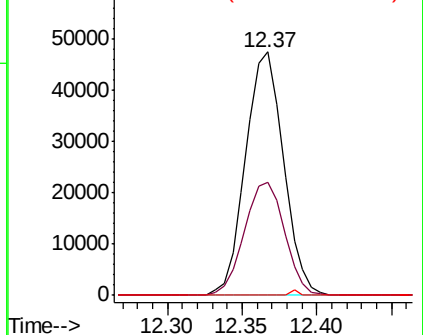
173 100

175 49.1 24.1 72.2

254 0.5 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

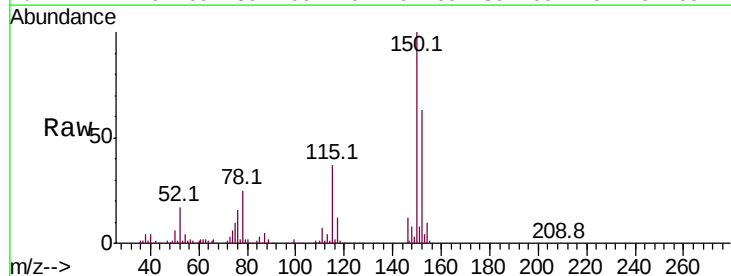
Tgt Ion:152 Resp: 224663

Ion Ratio Lower Upper

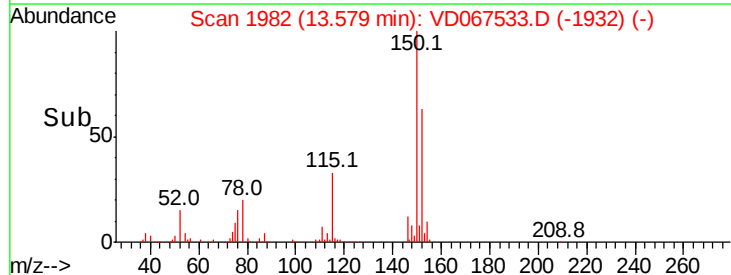
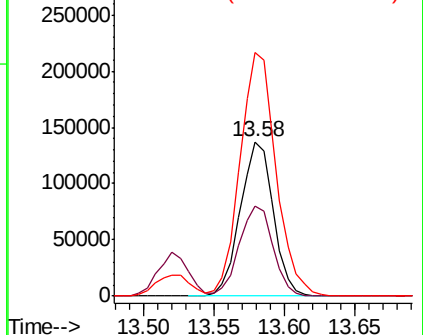
152 100

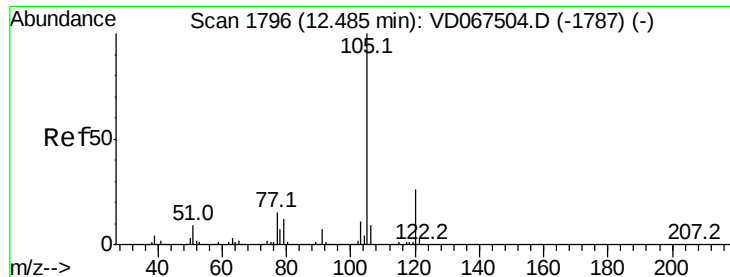
115 59.5 29.3 88.0

150 171.8 0.0 338.2



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





#73

Isopropylbenzene

Concen: 50.863 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

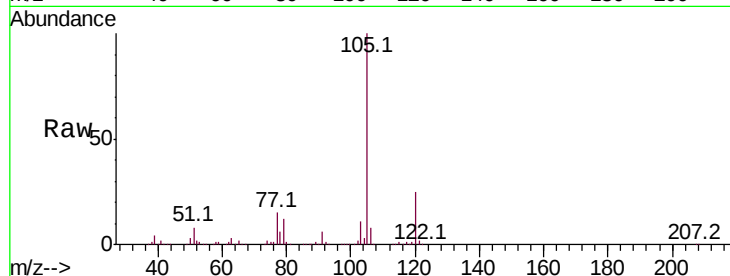
VSTDCCC050

Tot Ion:105 Resp: 738507

Ion Ratio Lower Upper

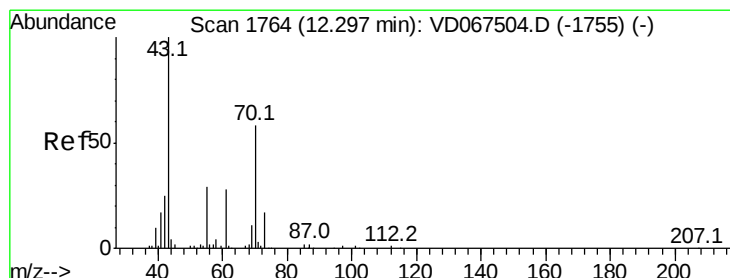
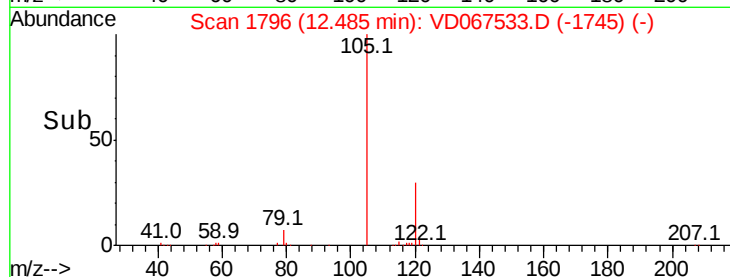
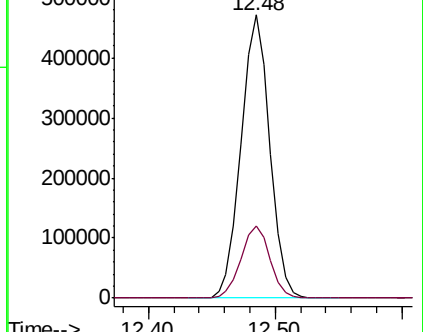
105 100

120 25.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.069 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion: 43 Resp: 93748

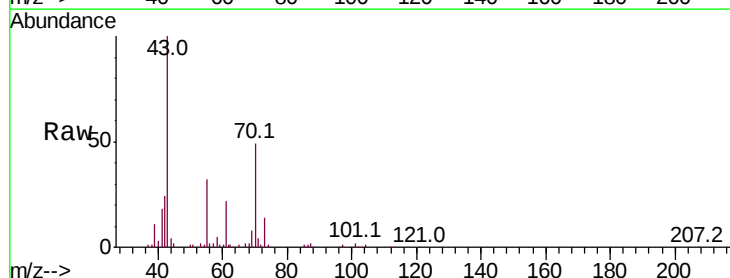
Ion Ratio Lower Upper

43 100

70 53.3 42.6 64.0

55 32.1 23.7 35.5

61 25.5 21.9 32.9

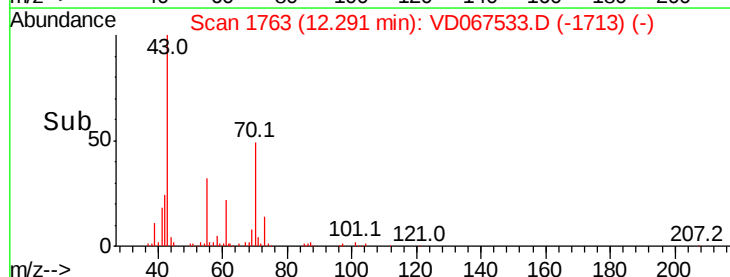
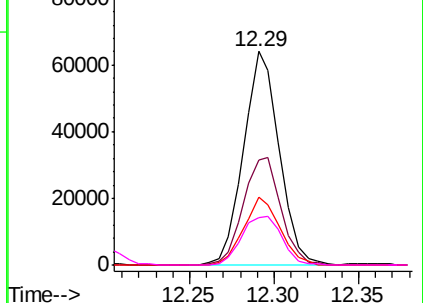


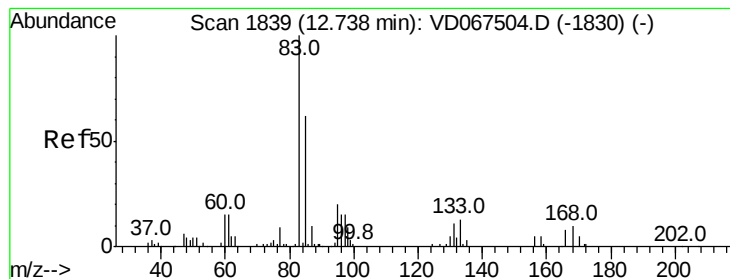
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.517 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

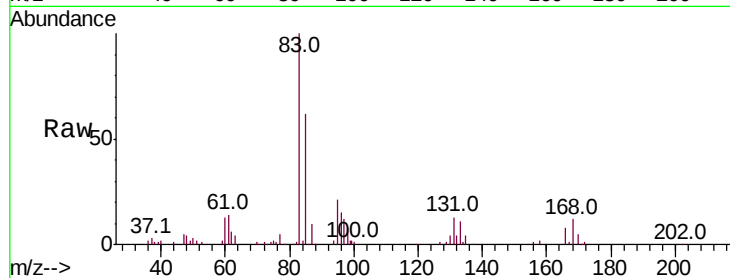
Tot Ion: 83 Resp: 96060

Ion Ratio Lower Upper

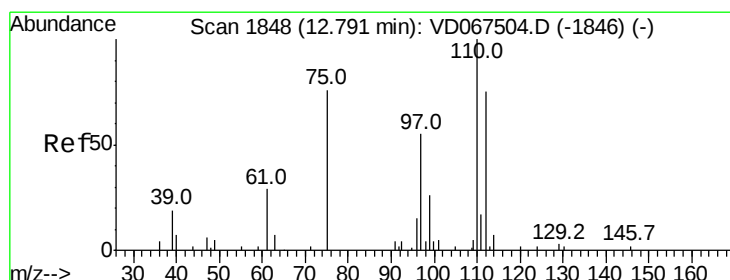
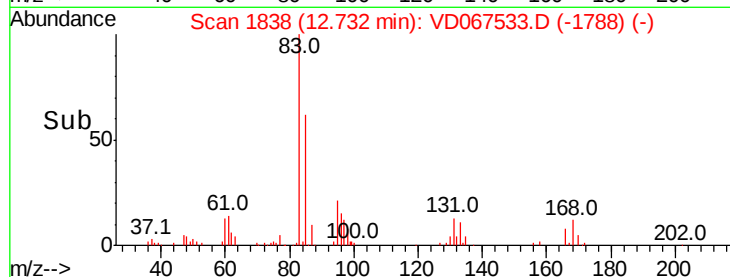
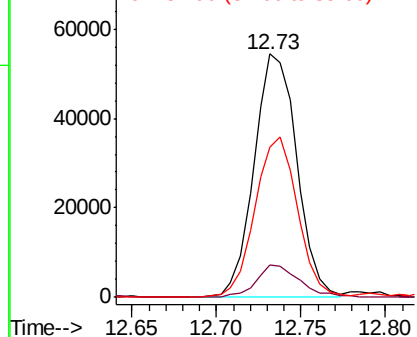
83 100

131 13.5 7.1 21.3

85 65.6 32.9 98.7



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: 99.640 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067533.D

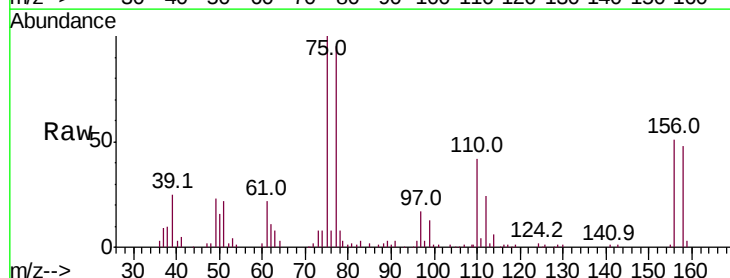
Acq: 05 Nov 2020 09:46

Tgt Ion: 75 Resp: 135041

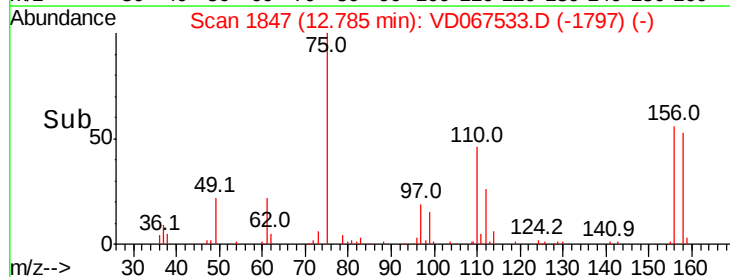
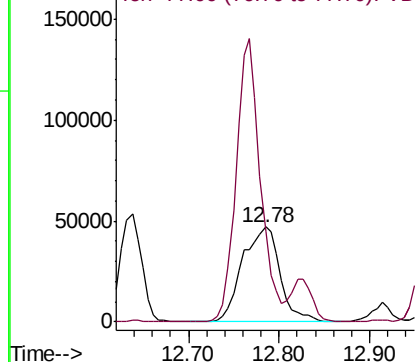
Ion Ratio Lower Upper

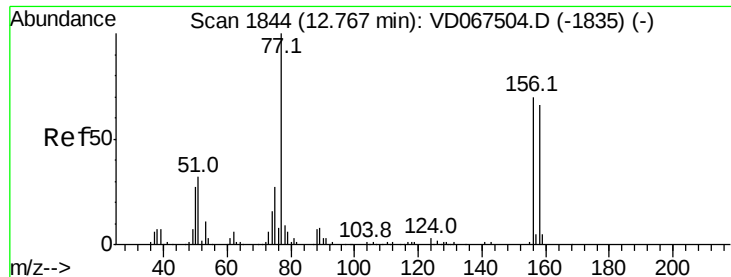
75 100

77 193.5 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: 48.935 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

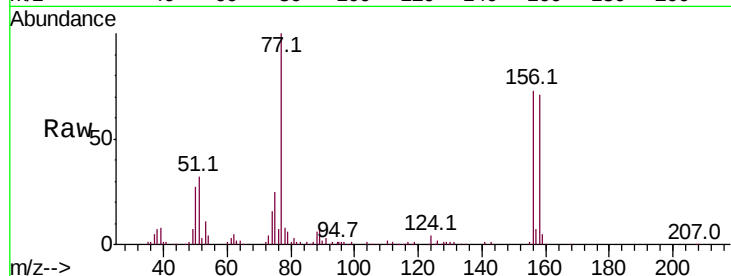
Tot Ion:156 Resp: 174494

Ion Ratio Lower Upper

156 100

77 149.7 77.8 233.5

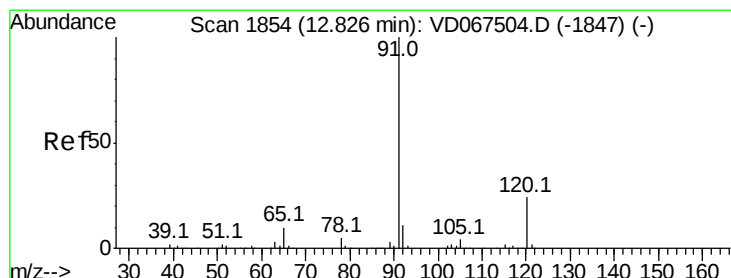
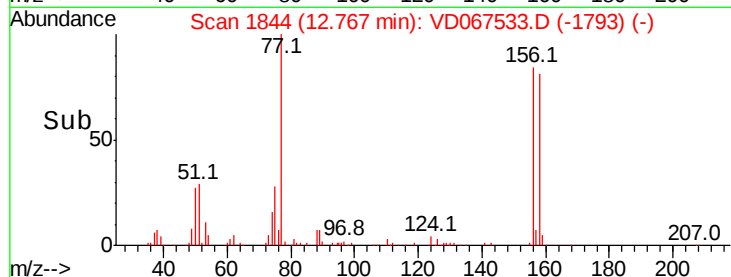
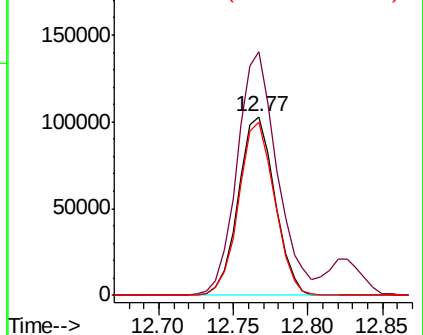
158 95.5 47.9 143.7



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: 50.896 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067533.D

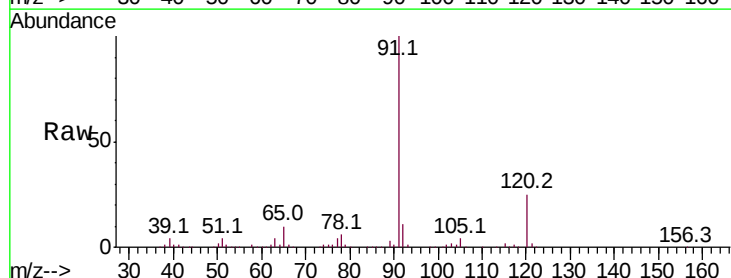
Acq: 05 Nov 2020 09:46

Tgt Ion: 91 Resp: 845270

Ion Ratio Lower Upper

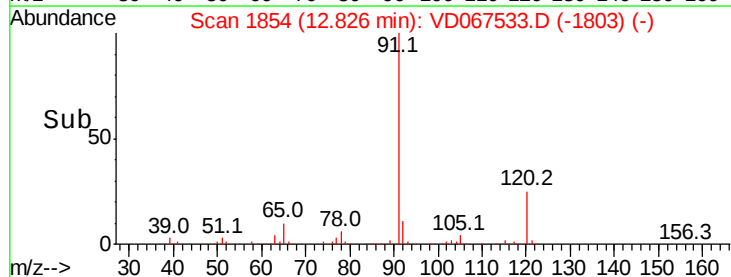
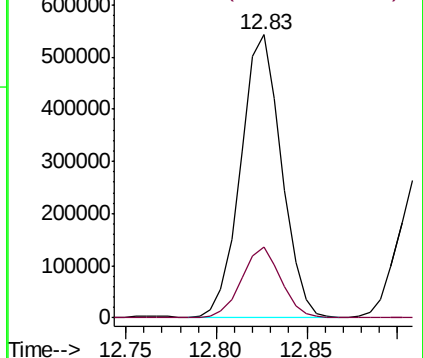
91 100

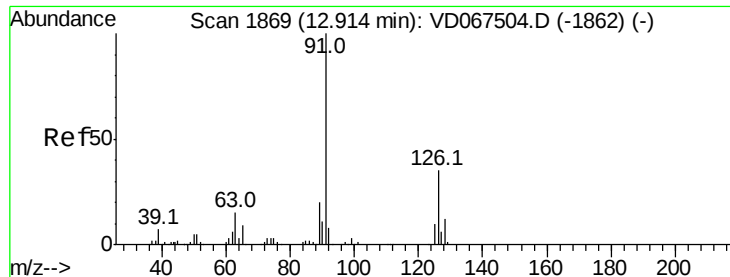
120 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.045 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

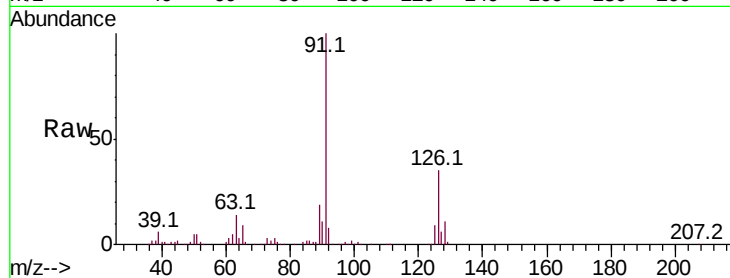
VSTDCCC050

Tot Ion: 91 Resp: 472124

Ion Ratio Lower Upper

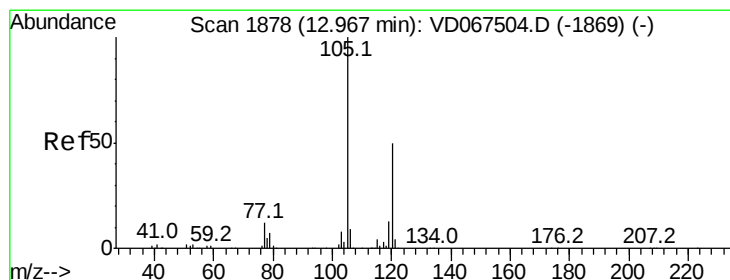
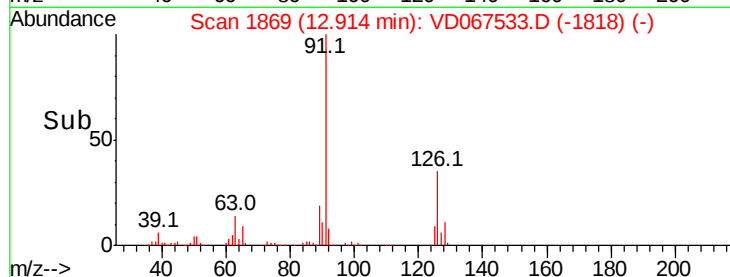
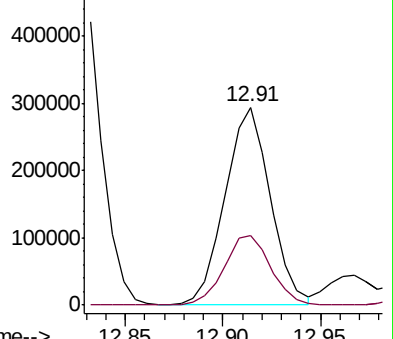
91 100

126 36.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.064 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067533.D

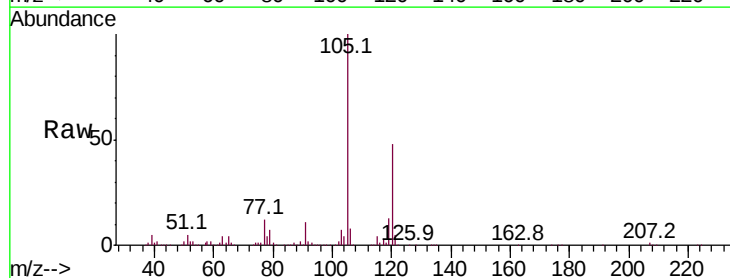
Acq: 05 Nov 2020 09:46

Tgt Ion: 105 Resp: 633365

Ion Ratio Lower Upper

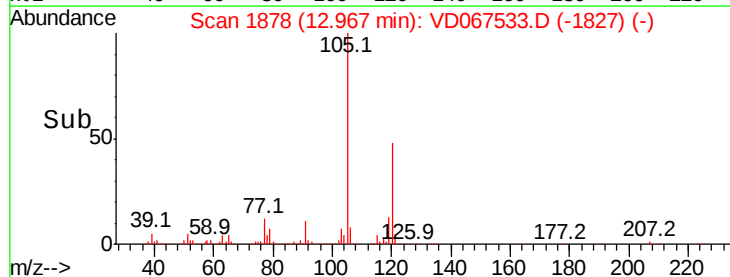
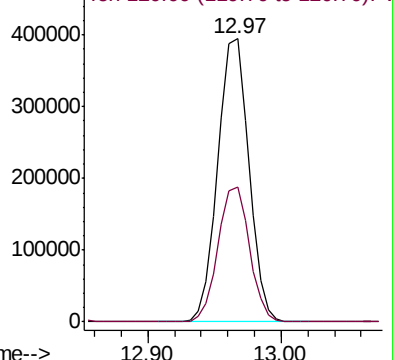
105 100

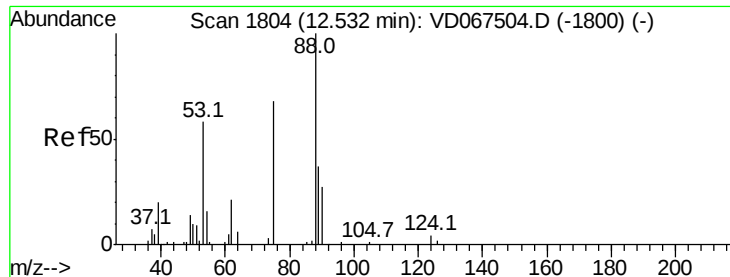
120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.490 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

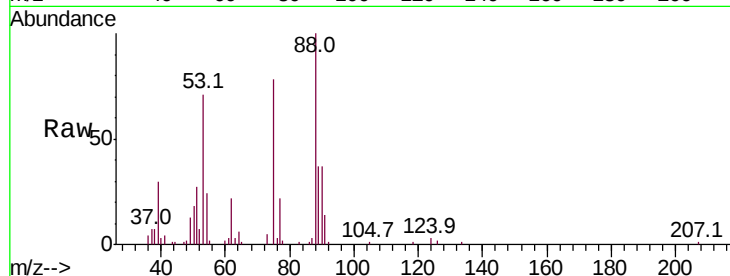
Tot Ion: 75 Resp: 31034

Ion Ratio Lower Upper

75 100

53 97.5 75.9 113.9

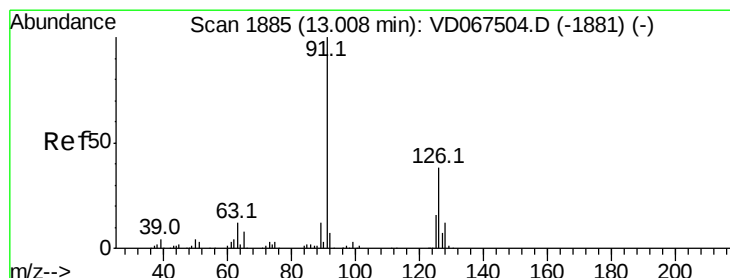
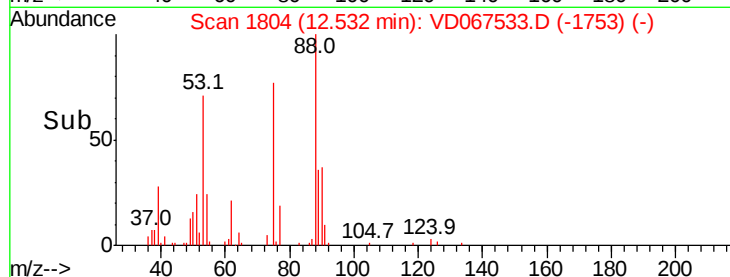
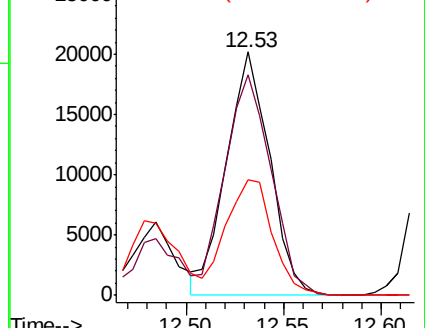
89 51.2 44.6 67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.075 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067533.D

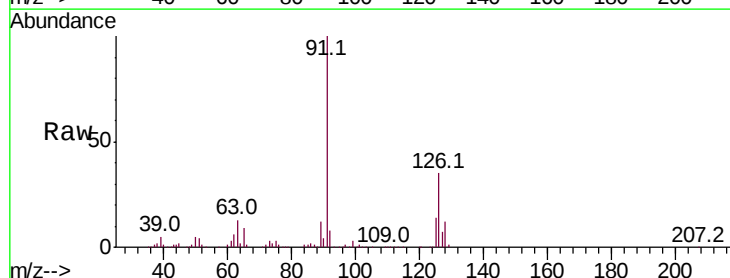
Acq: 05 Nov 2020 09:46

Tgt Ion: 91 Resp: 506663

Ion Ratio Lower Upper

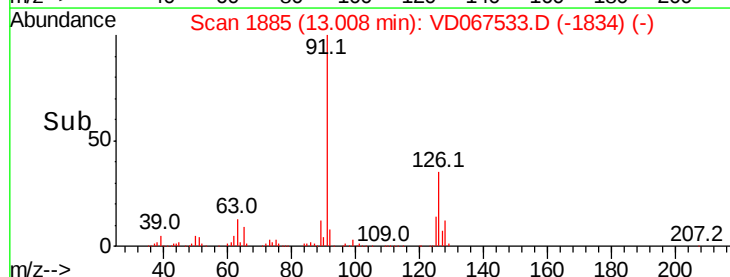
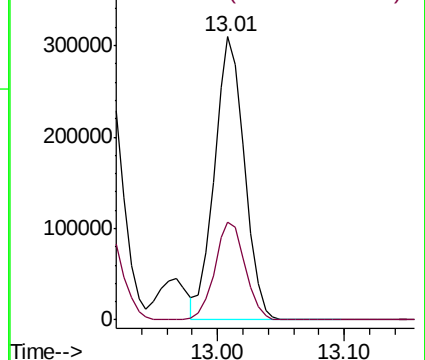
91 100

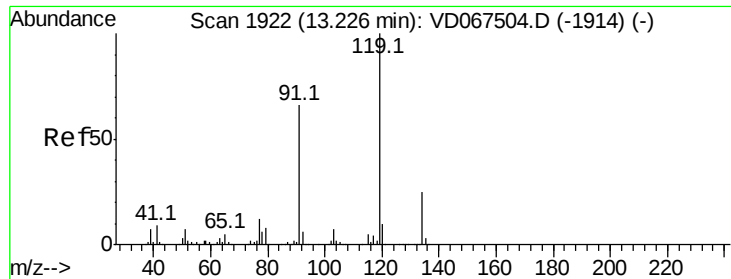
126 35.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

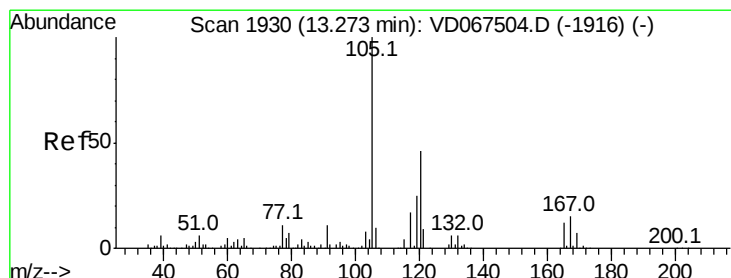
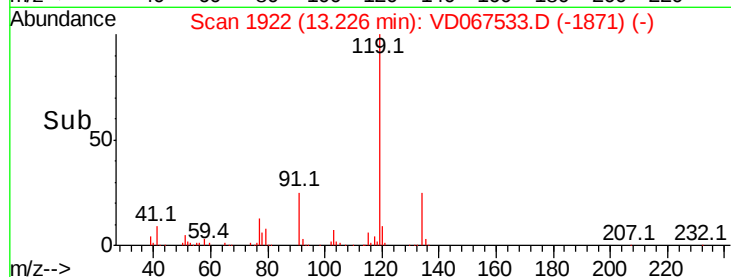
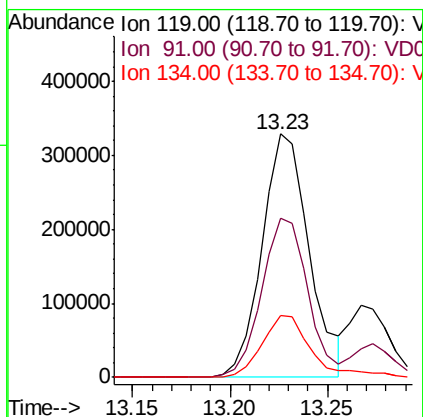
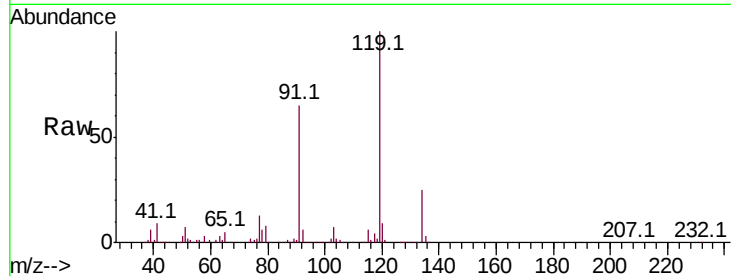




#83
 tert-Butylbenzene
 Concen: 52.360 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

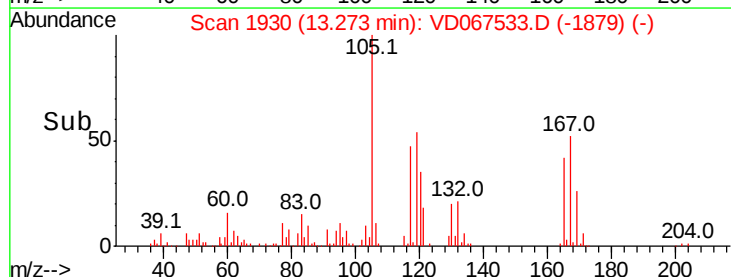
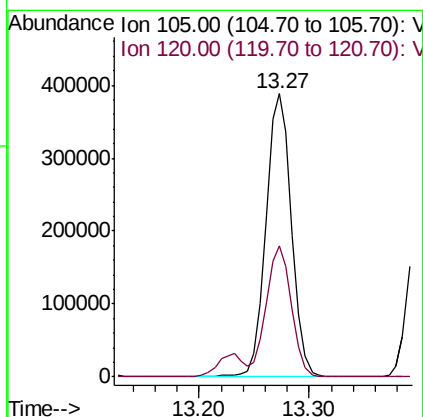
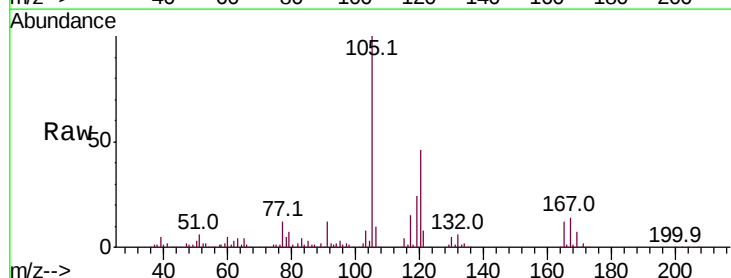
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

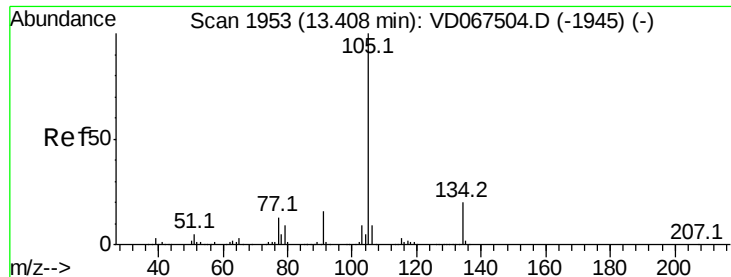
Tot Ion:119 Resp: 550403
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.7 98.1
 134 26.8 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 50.686 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion:105 Resp: 625791
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.1 66.1





#85

sec-Butylbenzene

Concen: 51.379 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

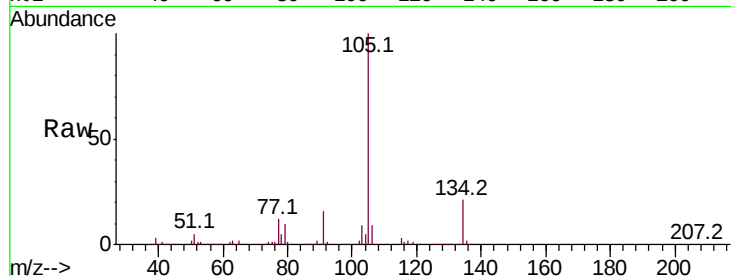
VSTDCCC050

Tot Ion:105 Resp: 729092

Ion Ratio Lower Upper

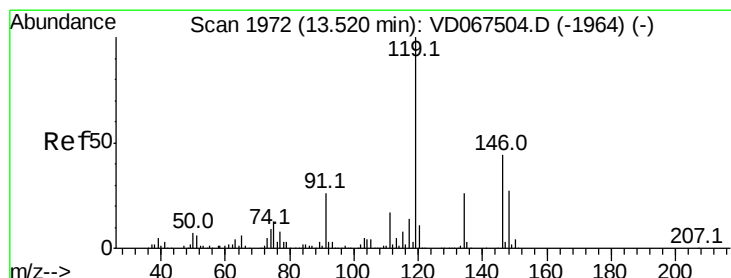
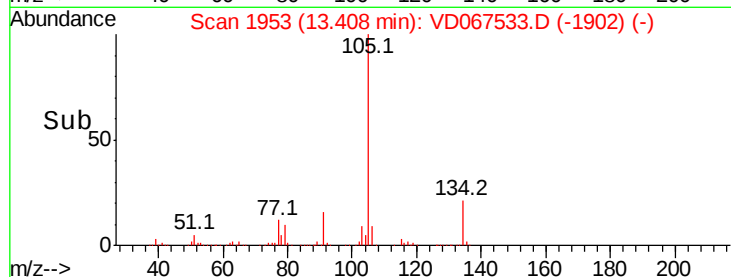
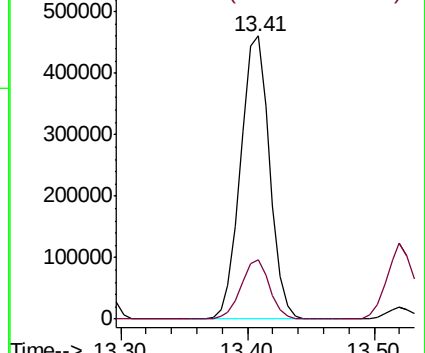
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.266 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

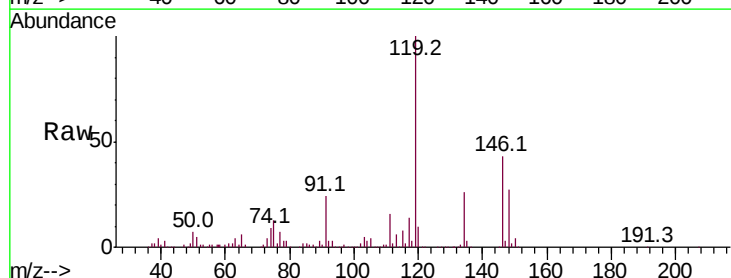
Tgt Ion:119 Resp: 702517

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

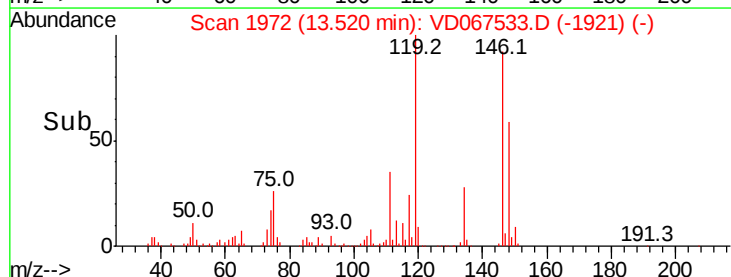
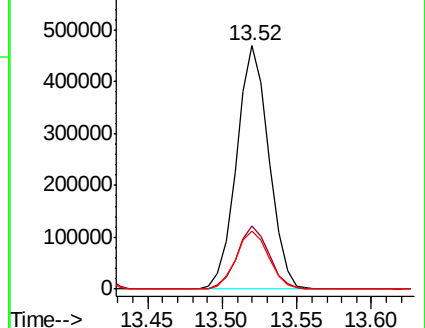
91 24.2 12.2 36.4

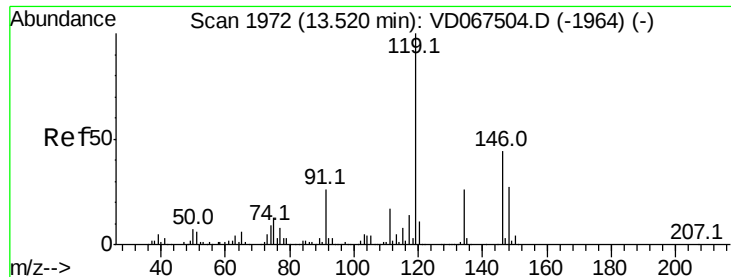


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.898 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

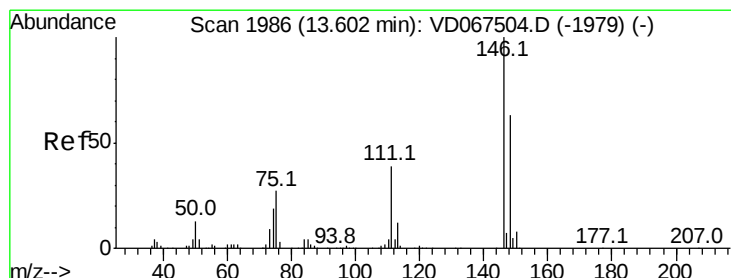
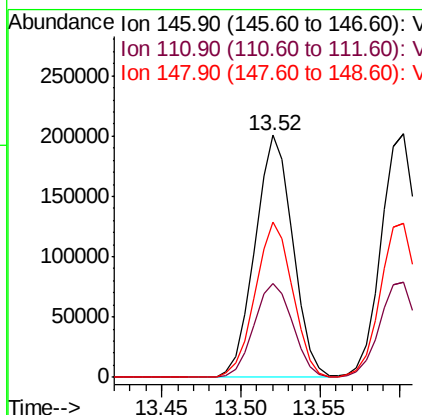
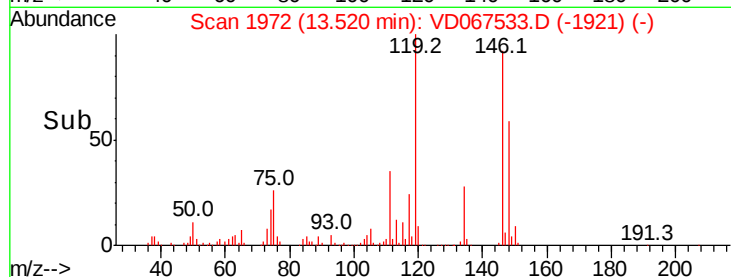
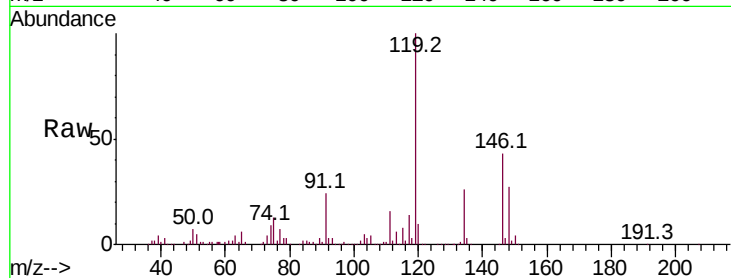
Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 332706

Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.8
148	63.6	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 47.148 ug/l

RT: 13.60 min Scan# 1986

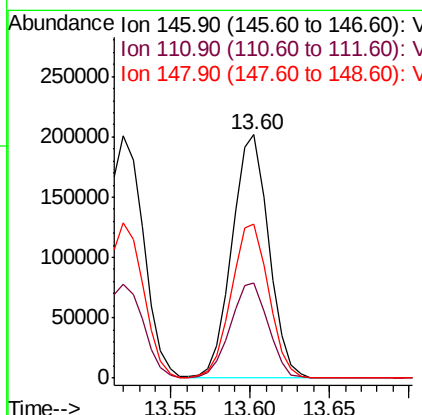
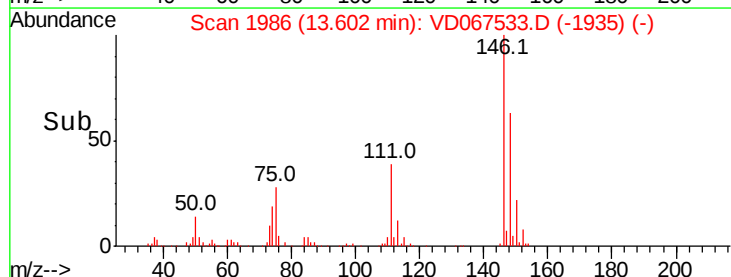
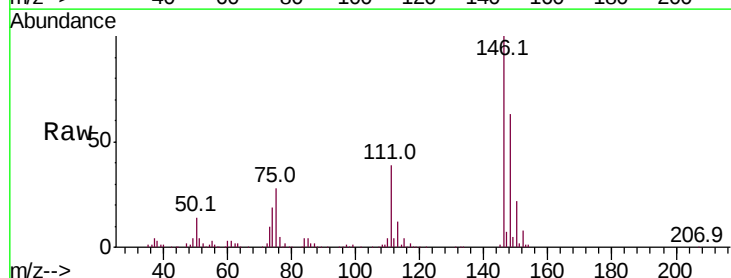
Delta R.T. 0.00 min

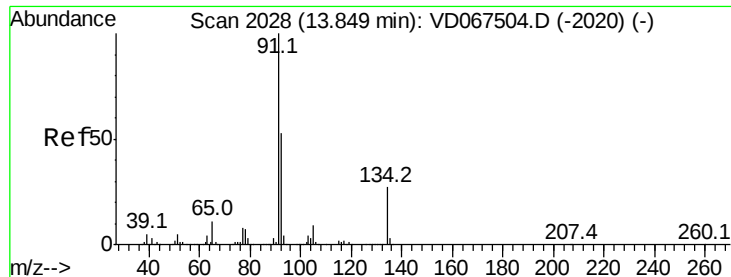
Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:146 Resp: 324829

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.6	58.7
148	64.5	31.8	95.4

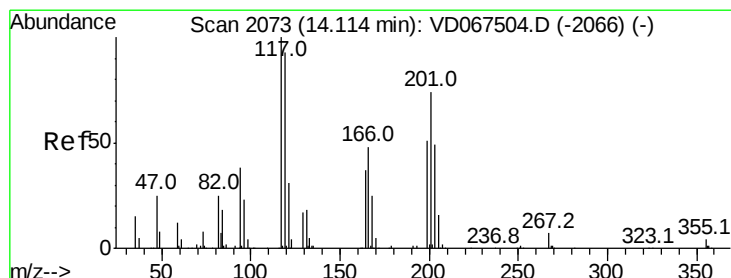
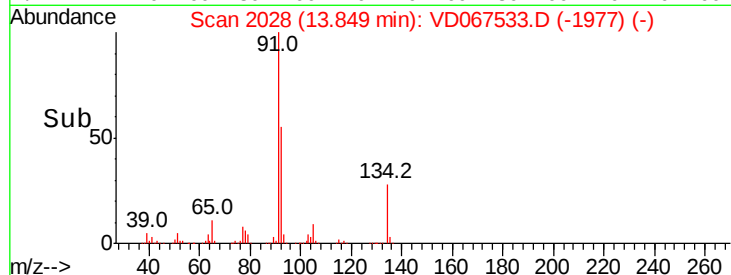
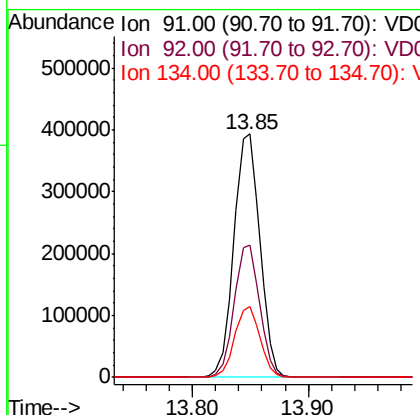
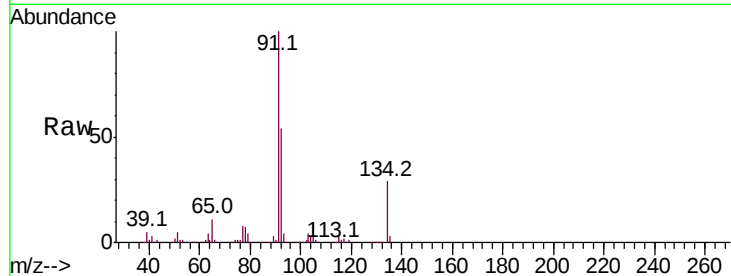




#89
n-Butylbenzene
Concen: 51.788 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

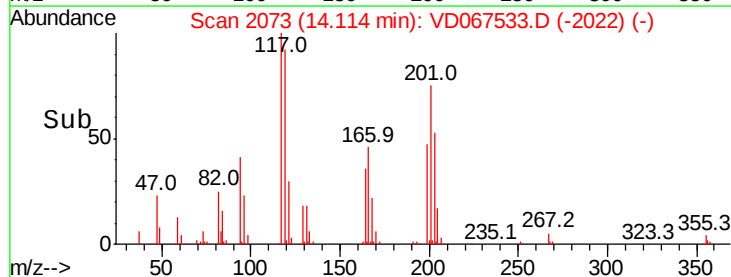
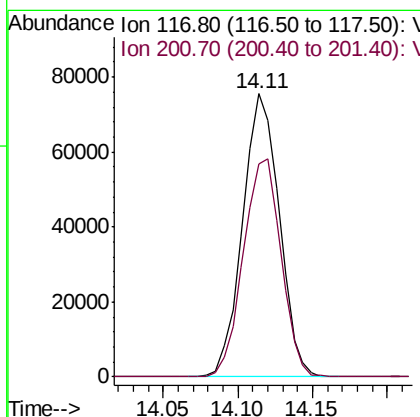
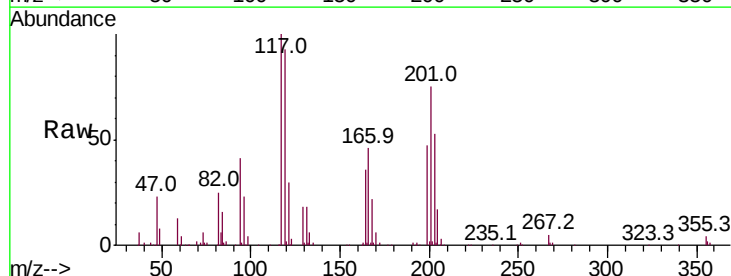
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

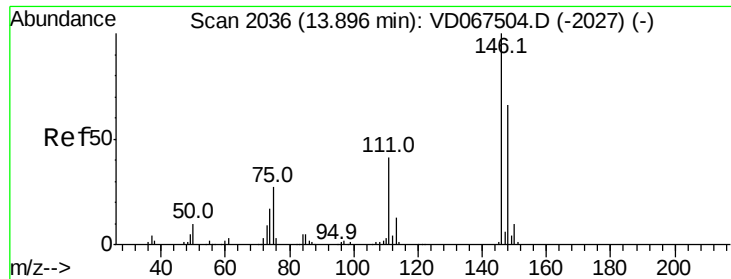
Tot Ion: 91 Resp: 612988
Ion Ratio Lower Upper
91 100
92 53.2 26.6 79.8
134 28.5 14.1 42.2



#90
Hexachloroethane
Concen: 49.610 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 117 Resp: 128024
Ion Ratio Lower Upper
117 100
201 79.2 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 48.528 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

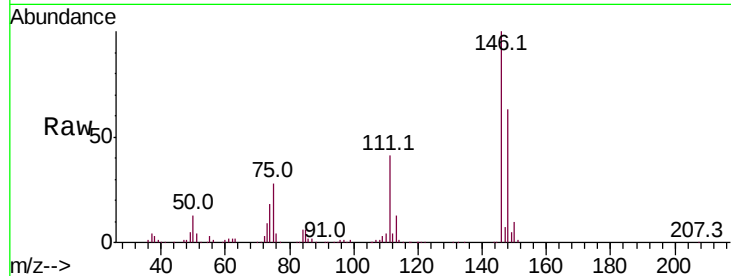
Tot Ion:146 Resp: 285769

Ion Ratio Lower Upper

146 100

111 41.3 20.7 62.1

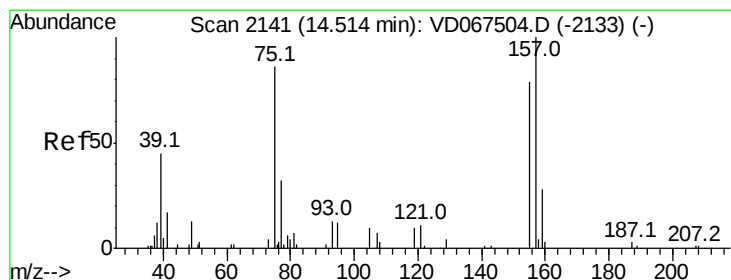
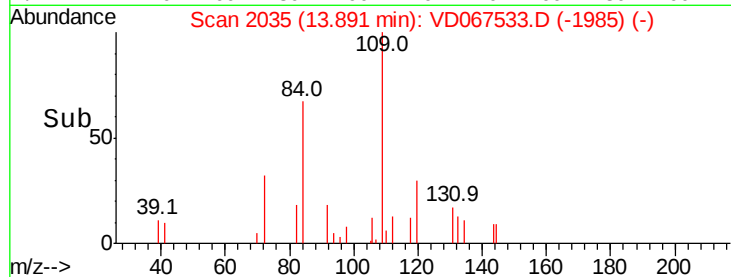
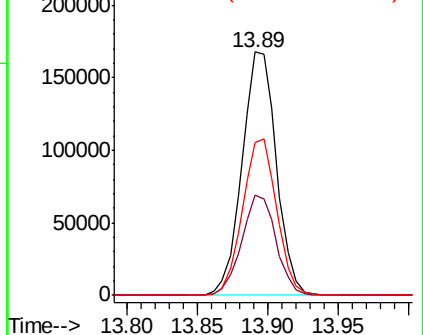
148 63.7 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.491 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

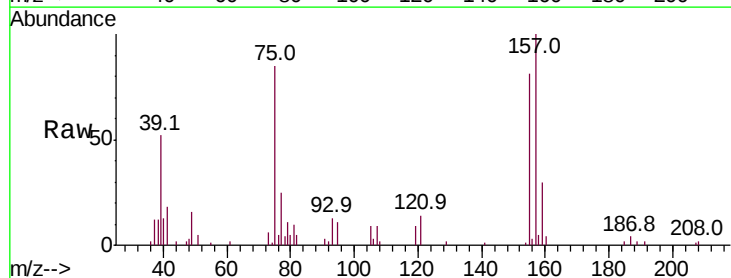
Tgt Ion: 75 Resp: 16648

Ion Ratio Lower Upper

75 100

155 94.5 46.6 139.8

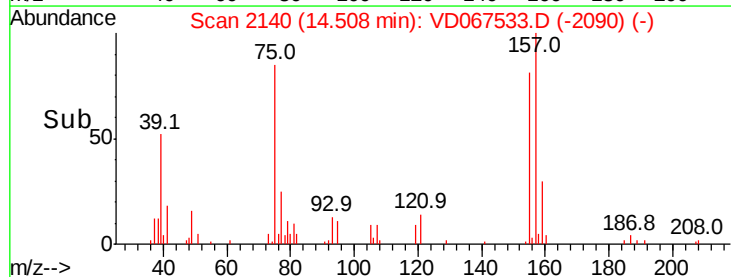
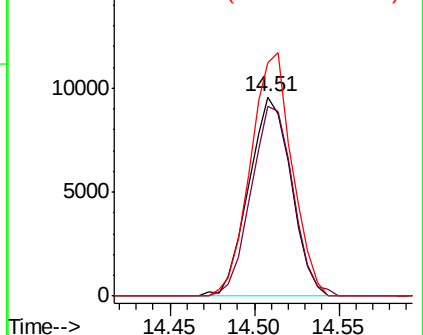
157 120.0 58.1 174.2

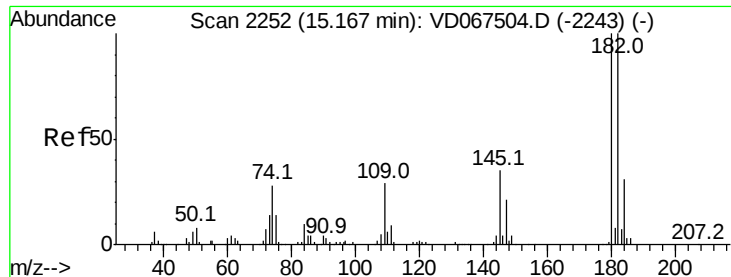


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

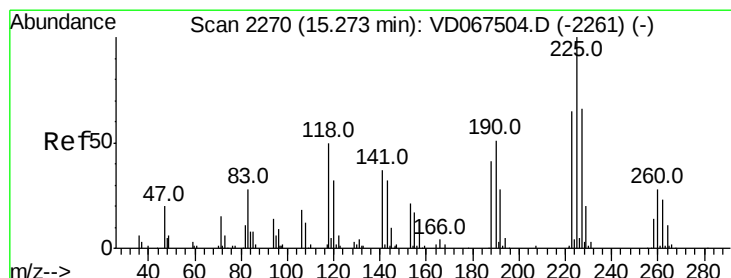
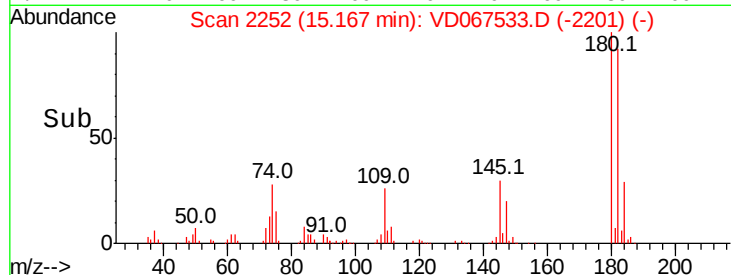
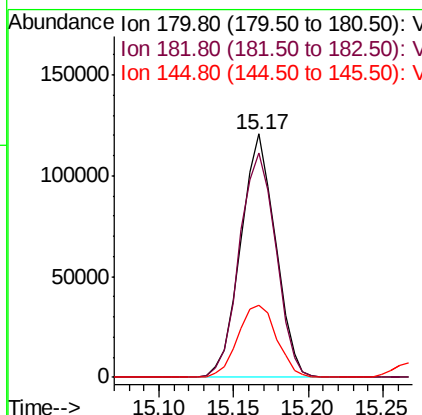
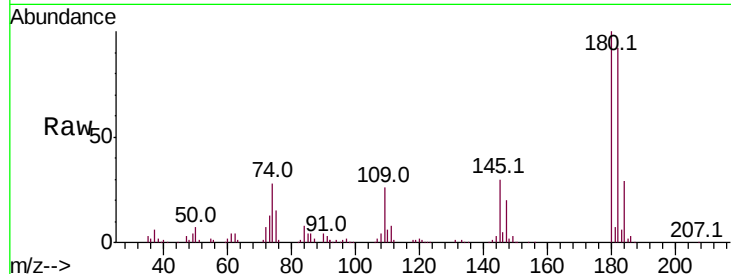




#93
 1,2,4-Trichlorobenzene
 Concen: 48.983 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

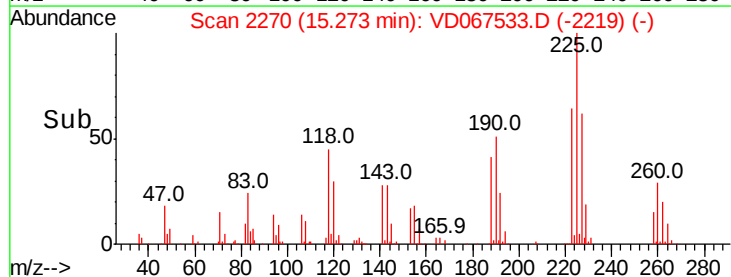
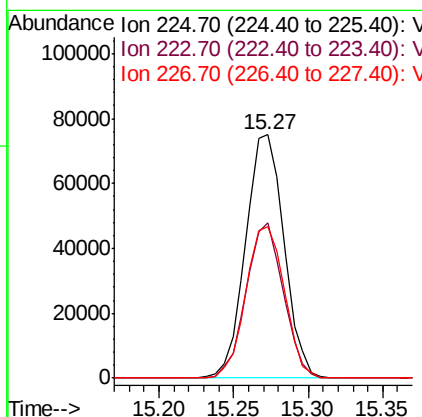
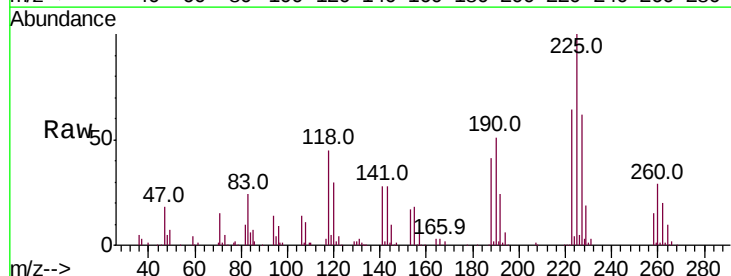
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

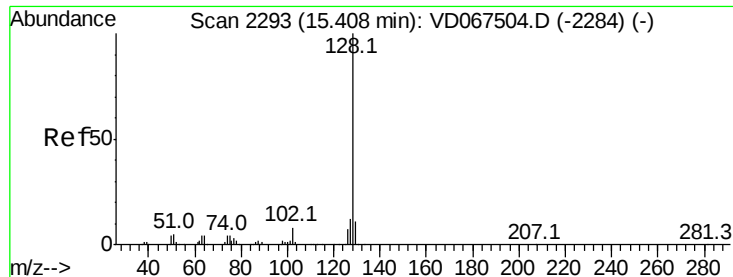
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.4	142.3
145	32.9	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 49.793 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	62.8	32.5	97.4





#95

Naphthalene

Concen: 51.285 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

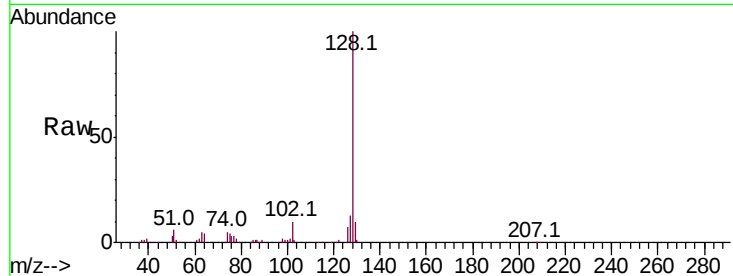
Tot Ion:128 Resp: 316324

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

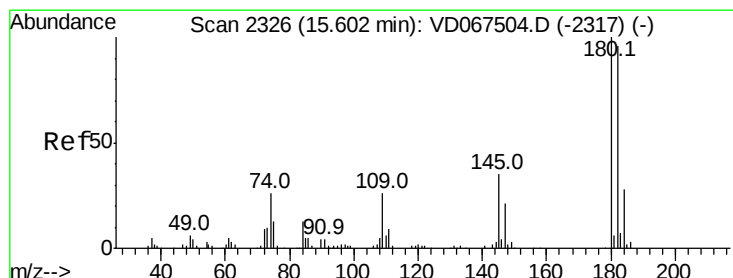
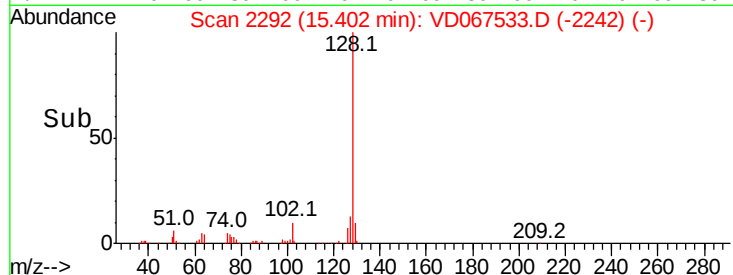
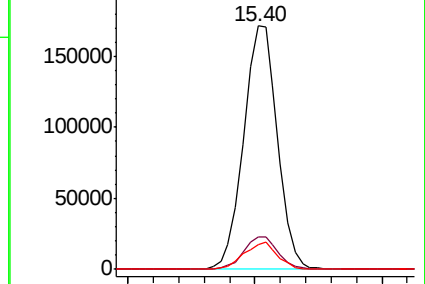
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.901 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

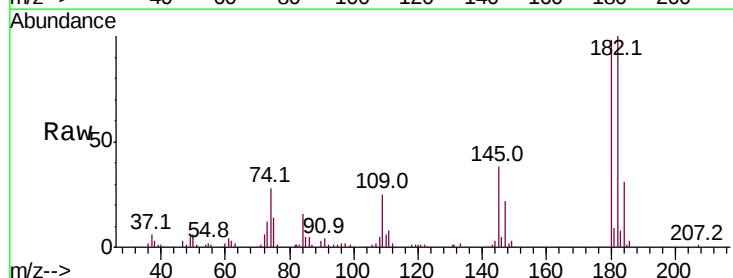
Tgt Ion:180 Resp: 167368

Ion Ratio Lower Upper

180 100

182 95.3 46.9 140.8

145 35.6 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

