

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067354.D
 Acq On : 22 Oct 2020 10:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 22 14:51:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	332217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	474433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	433940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	218941	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	151826	45.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.24%	
35) Dibromofluoromethane	7.92	113	158504	50.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.40%	
50) Toluene-d8	10.34	98	574681	50.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.64	95	201472	50.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	121159	44.997	ug/l	100
3) Chloromethane	2.21	50	86716	41.475	ug/l	99
4) Vinyl Chloride	2.35	62	99609	43.420	ug/l	98
5) Bromomethane	2.77	94	78431	49.088	ug/l	100
6) Chloroethane	2.92	64	63926	44.745	ug/l	90
7) Trichlorofluoromethane	3.27	101	265343	45.934	ug/l	100
8) Diethyl Ether	3.71	74	58620	44.347	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	141132	45.985	ug/l	99
10) Methyl Iodide	4.30	142	130969	46.260	ug/l	97
11) Tert butyl alcohol	5.21	59	34133	185.487	ug/l	96
12) 1,1-Dichloroethene	4.07	96	126170	46.016	ug/l	95
13) Acrolein	3.92	56	44689	226.855	ug/l	99
14) Allyl chloride	4.71	41	140023	44.594	ug/l	98
15) Acrylonitrile	5.43	53	99130	224.752	ug/l	98
16) Acetone	4.16	43	122102	261.948	ug/l	100
17) Carbon Disulfide	4.41	76	333807	42.706	ug/l	97
18) Methyl Acetate	4.72	43	46928	44.139	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	254394	46.661	ug/l	97
20) Methylene Chloride	4.97	84	137492	45.659	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	144399	45.765	ug/l	98
22) Diisopropyl ether	6.36	45	272312	47.475	ug/l	96
23) Vinyl Acetate	6.31	43	797897	244.508	ug/l	100
24) 1,1-Dichloroethane	6.27	63	226226	46.075	ug/l	100
25) 2-Butanone	7.21	43	118713	223.421	ug/l	96
26) 2,2-Dichloropropane	7.21	77	243669	48.148	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	162004	46.848	ug/l	100
28) Bromochloromethane	7.55	49	82367	49.182	ug/l #	100
29) Tetrahydrofuran	7.56	42	69399	234.962	ug/l	97
30) Chloroform	7.71	83	277842	47.369	ug/l	92
31) Cyclohexane	7.99	56	171578	44.757	ug/l	91
32) 1,1,1-Trichloroethane	7.91	97	272881	47.416	ug/l	98
36) 1,1-Dichloropropene	8.11	75	197517	49.120	ug/l	98
37) Ethyl Acetate	7.29	43	57324	48.453	ug/l	95
38) Carbon Tetrachloride	8.10	117	261164	50.816	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	212335	50.510	ug/l	99
40) Benzene	8.35	78	543550	49.272	ug/l	96
41) Methacrylonitrile	7.57	41	76833	120.178	ug/l #	8
42) 1,2-Dichloroethane	8.43	62	171528	49.685	ug/l	100
43) Isopropyl Acetate	8.45	43	112601	47.965	ug/l	99
44) Trichloroethene	9.11	130	176825	50.063	ug/l	96
45) 1,2-Dichloropropane	9.39	63	122162	47.782	ug/l	97
46) Dibromomethane	9.48	93	80034	50.244	ug/l	93
47) Bromodichloromethane	9.67	83	216692	50.774	ug/l	98
48) Methyl methacrylate	9.46	41	53786	47.146	ug/l	99
49) 1,4-Dioxane	9.46	88	14855	962.522	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	286043	244.295	ug/l	100
52) Toluene	10.41	92	393377	52.355	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	190229	50.741	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	216284	49.295	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	104759	48.228	ug/l	97
56) Ethyl methacrylate	10.66	69	113277	50.283	ug/l	98
57) 1,3-Dichloropropane	10.95	76	171444	49.596	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	293252	253.751	ug/l	98
59) 2-Hexanone	10.99	43	208085	260.072	ug/l	99
60) Dibromochloromethane	11.14	129	150807	47.606	ug/l	94
61) 1,2-Dibromoethane	11.25	107	101397	47.350	ug/l	97
64) Tetrachloroethene	10.88	164	154129	49.023	ug/l	97
65) Chlorobenzene	11.67	112	416187	50.015	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	171536	51.867	ug/l	97
67) Ethyl Benzene	11.75	91	735142	51.537	ug/l	99
68) m/p-Xylenes	11.86	106	570050	103.779	ug/l	98
69) o-Xylene	12.18	106	257211	50.567	ug/l	99
70) Styrene	12.20	104	454180	51.870	ug/l	100
71) Bromoform	12.37	173	87983	49.520	ug/l #	100
73) Isopropylbenzene	12.48	105	739174	53.195	ug/l	99
74) N-amyl acetate	12.29	43	104281	49.689	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	103252	48.496	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	137461	90.586	ug/l #	100
77) Bromobenzene	12.77	156	176129	50.842	ug/l	99
78) n-propylbenzene	12.83	91	848158	52.682	ug/l	100
79) 2-Chlorotoluene	12.91	91	478447	51.245	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	632643	52.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32157	48.055	ug/l	97
82) 4-Chlorotoluene	13.01	91	513893	51.860	ug/l	99
83) tert-Butylbenzene	13.23	119	551471	54.066	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	625242	52.389	ug/l	100
85) sec-Butylbenzene	13.41	105	733268	52.392	ug/l	100
86) p-Isopropyltoluene	13.52	119	695279	52.631	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	335733	50.350	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	333028	50.411	ug/l	99
89) n-Butylbenzene	13.85	91	615919	52.998	ug/l	100
90) Hexachloroethane	14.12	117	119143	51.683	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	290149	49.811	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17821	46.073	ug/l	93

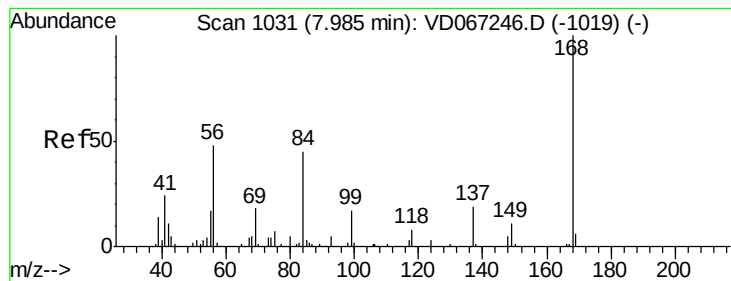
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102220\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	205329	52.281	ug/l	99
94) Hexachlorobutadiene	15.27	225	131989	54.119	ug/l	99
95) Naphthalene	15.41	128	332764	51.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	176183	51.927	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

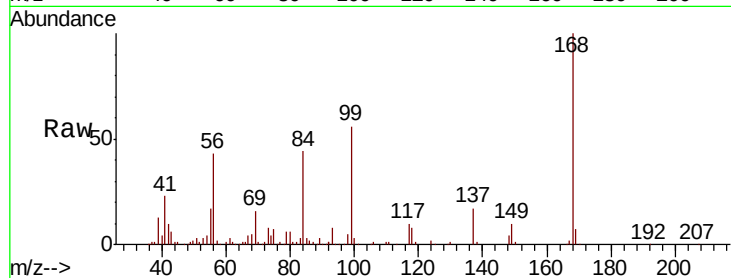
VSTDCCC050

Tot Ion:168 Resp: 332217

Ion Ratio Lower Upper

168 100

99 56.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

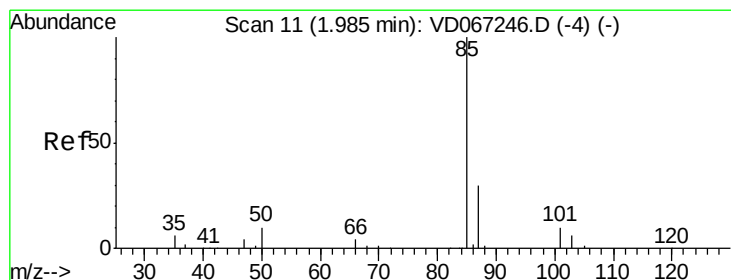
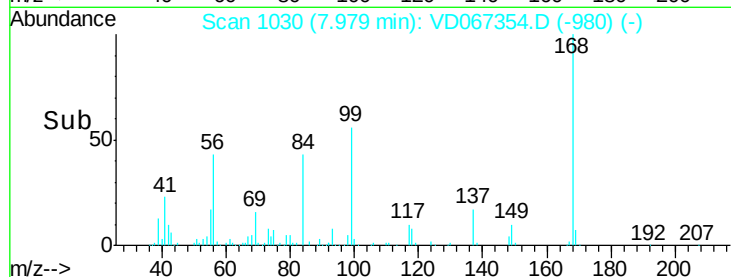
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.997 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067354.D

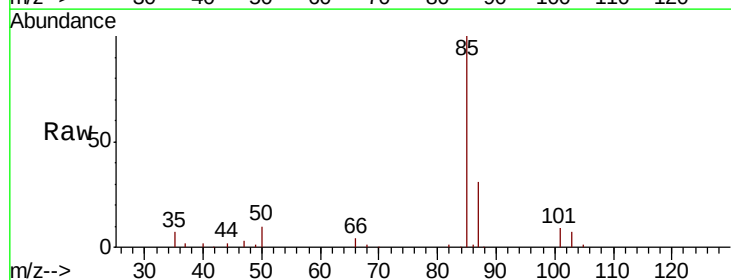
Acq: 22 Oct 2020 10:07

Tgt Ion: 85 Resp: 121159

Ion Ratio Lower Upper

85 100

87 30.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

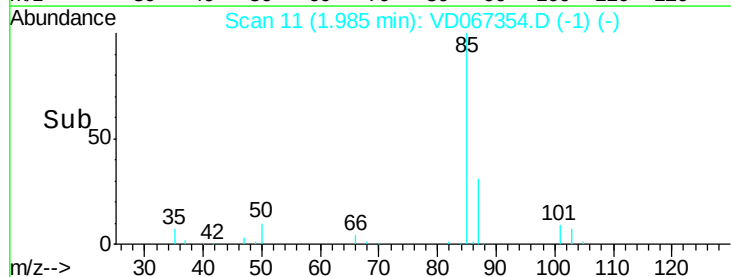
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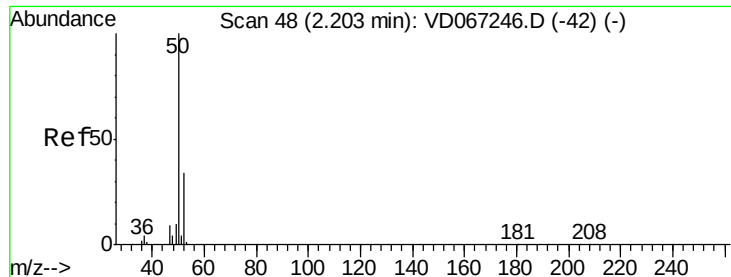
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 41.475 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

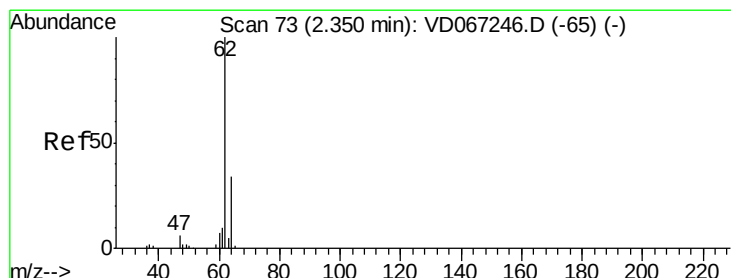
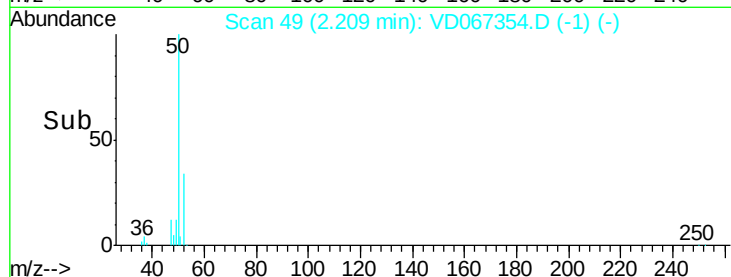
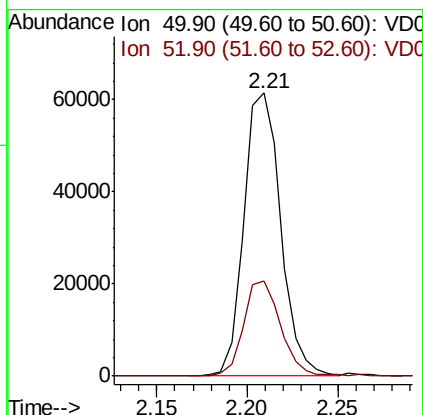
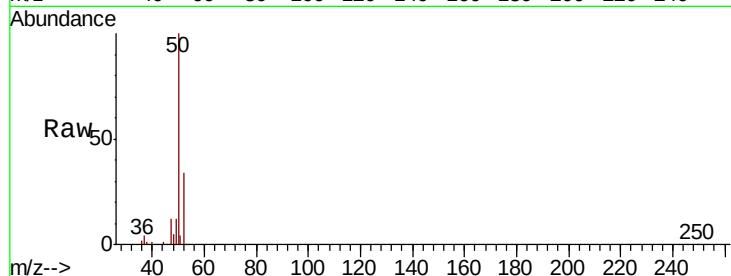
VSTDCCC050

Tot Ion: 50 Resp: 86716

Ion Ratio Lower Upper

50 100

52 33.6 27.1 40.7



#4

Vinyl Chloride

Concen: 43.420 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067354.D

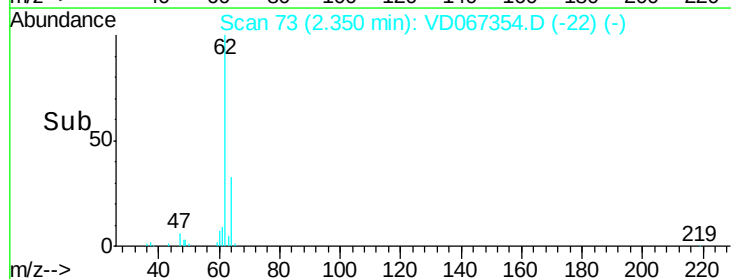
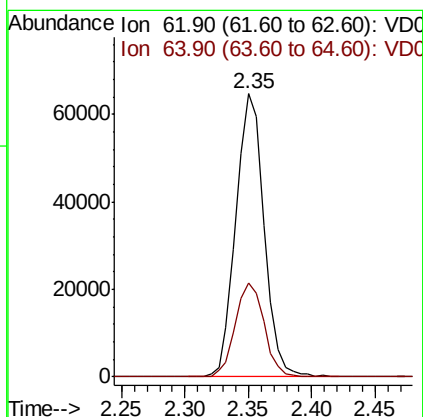
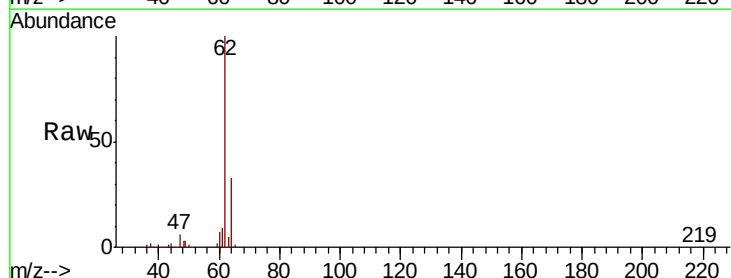
Acq: 22 Oct 2020 10:07

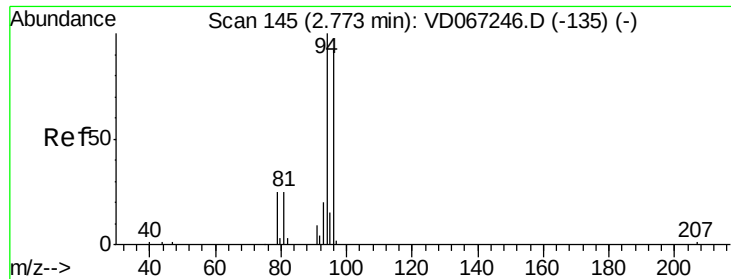
Tgt Ion: 62 Resp: 99609

Ion Ratio Lower Upper

62 100

64 33.3 27.4 41.0





#5

Bromomethane

Concen: 49.088 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

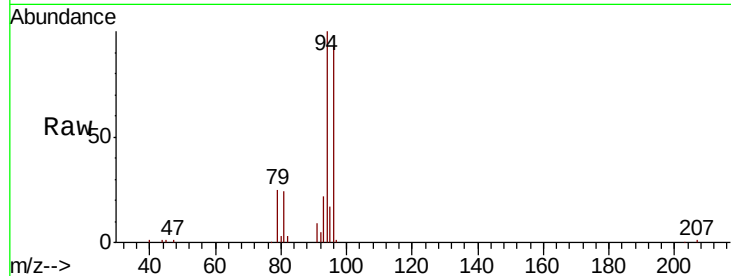
VSTDCCC050

Tot Ion: 94 Resp: 78431

Ion Ratio Lower Upper

94 100

96 92.7 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

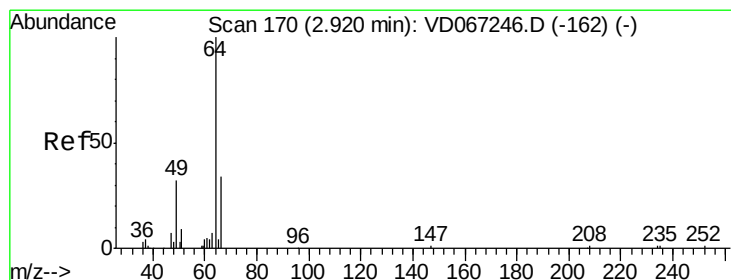
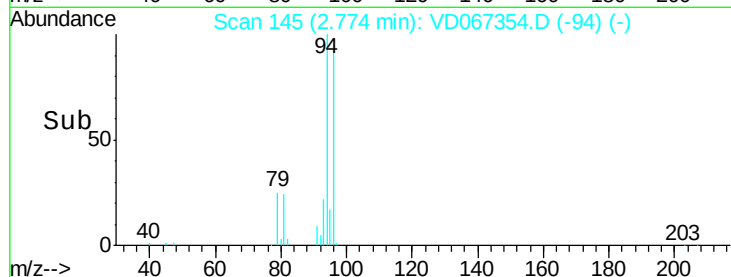
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 44.745 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067354.D

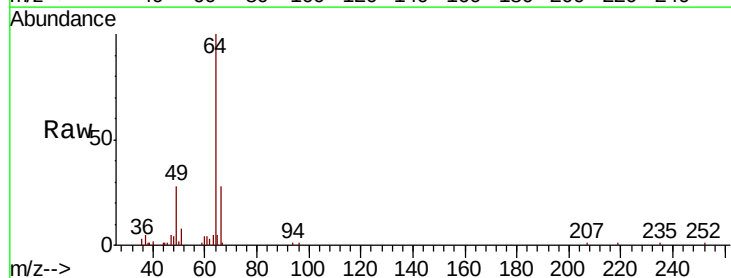
Acq: 22 Oct 2020 10:07

Tgt Ion: 64 Resp: 63926

Ion Ratio Lower Upper

64 100

66 28.3 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

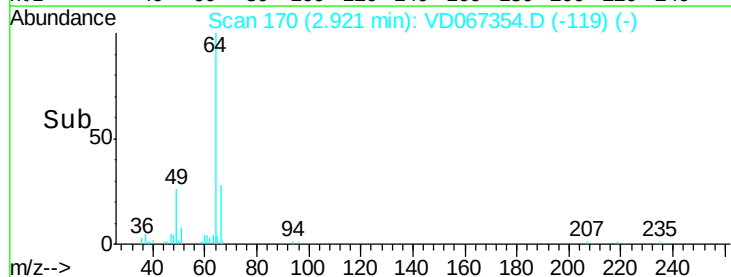
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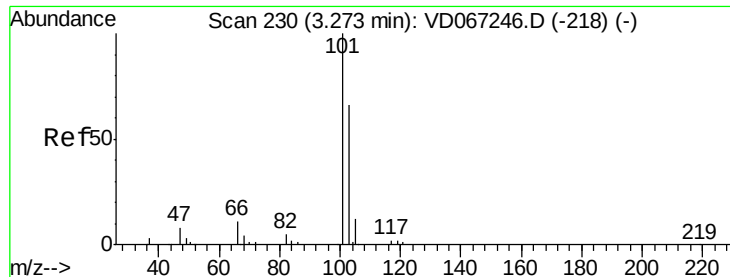
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Time-->



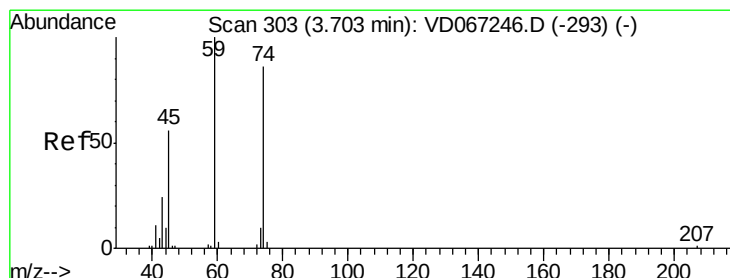
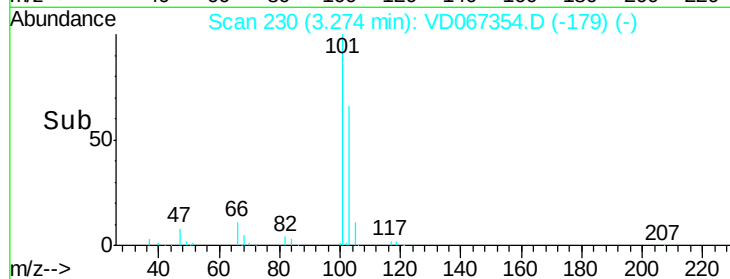
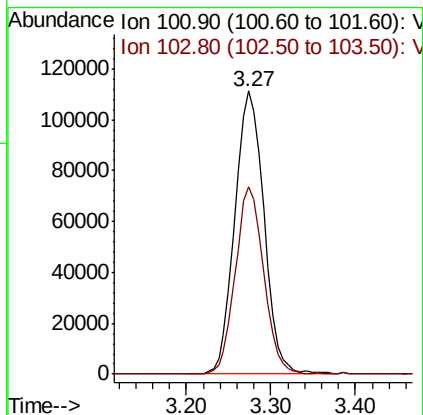
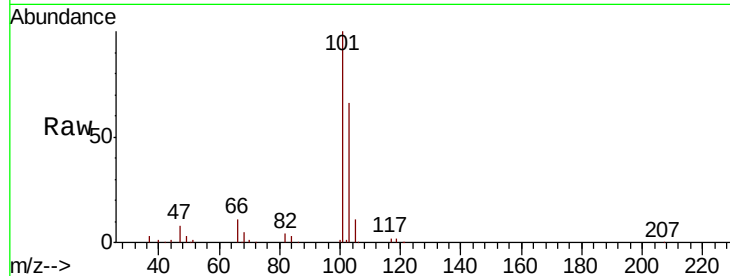


#7

Trichlorofluoromethane
 Concen: 45.934 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Instrument :
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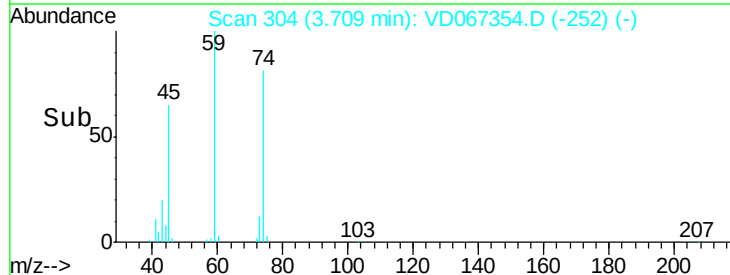
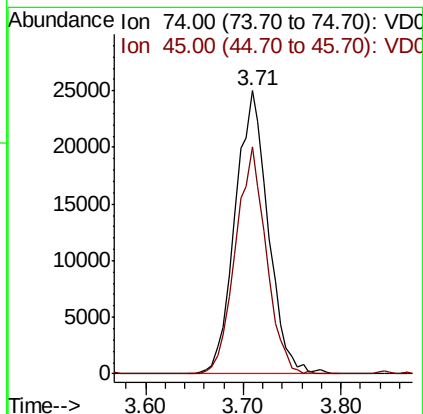
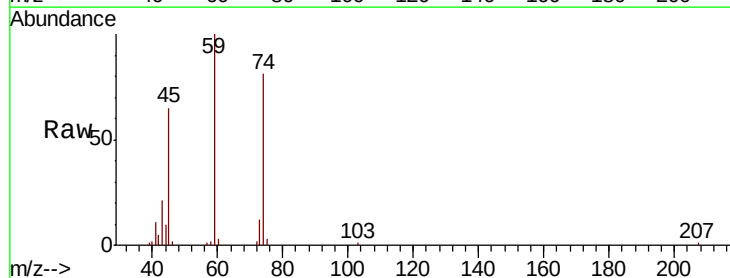
Tot Ion:101 Resp: 265343
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.1 79.7

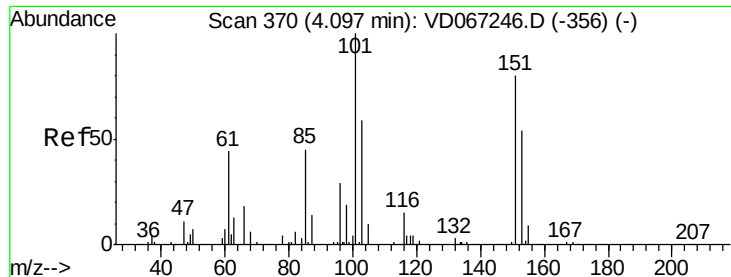


#8

Diethyl Ether
 Concen: 44.347 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion: 74 Resp: 58620
 Ion Ratio Lower Upper
 74 100
 45 74.6 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.985 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

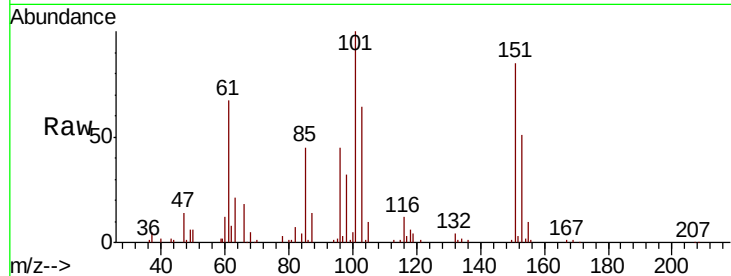
Tot Ion:101 Resp: 141132

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.4

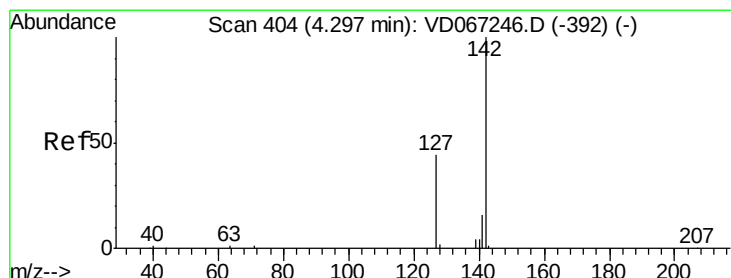
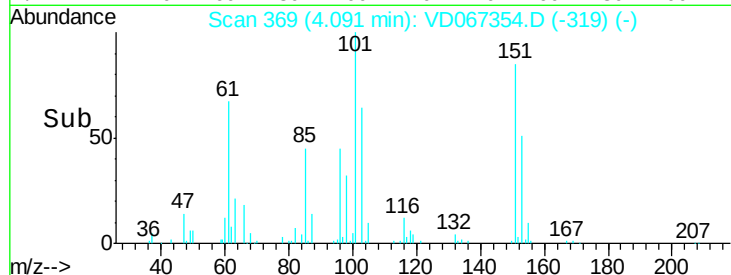
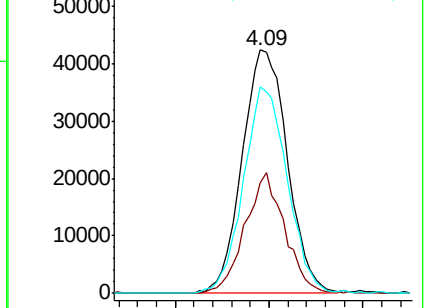
151 82.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.260 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

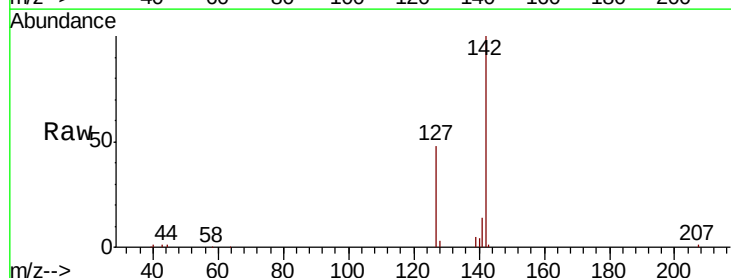
Tgt Ion:142 Resp: 130969

Ion Ratio Lower Upper

142 100

127 50.2 38.4 57.6

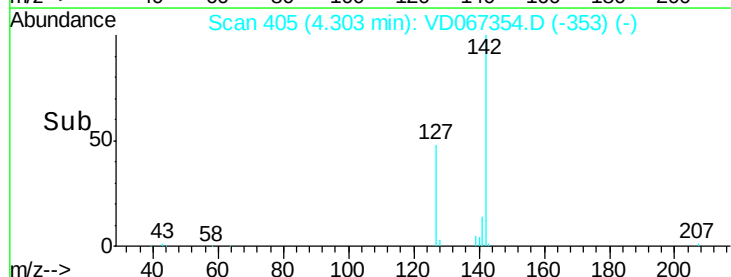
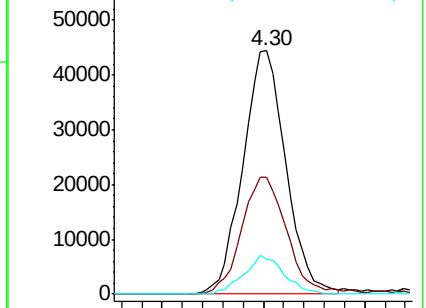
141 14.8 11.6 17.4

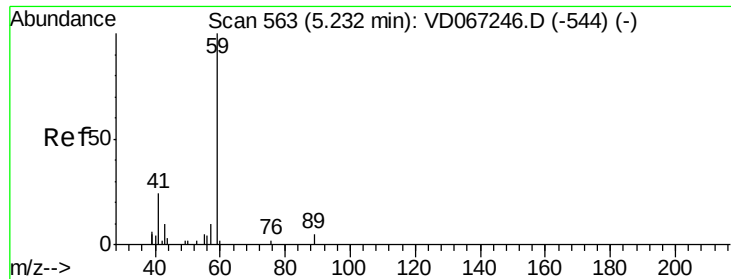


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

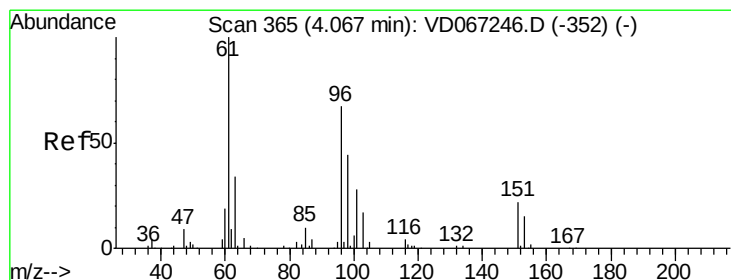
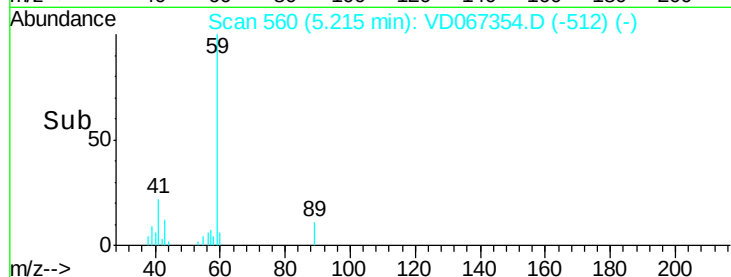
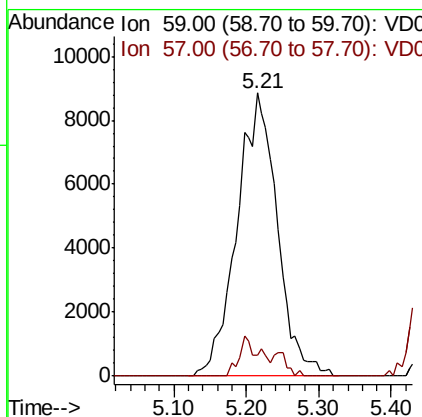
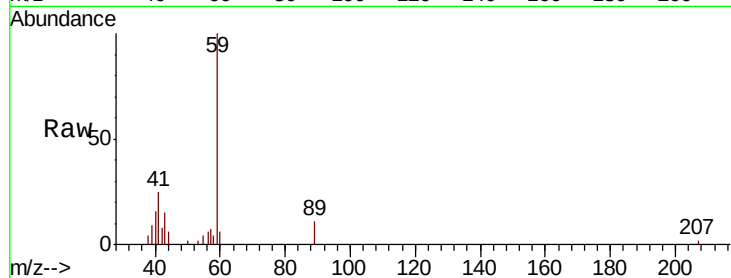




#11
Tert butyl alcohol
Concen: 185.487 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

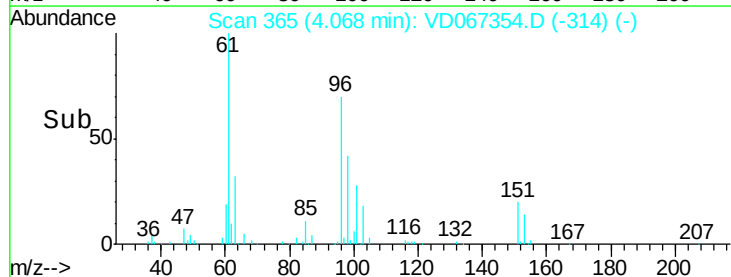
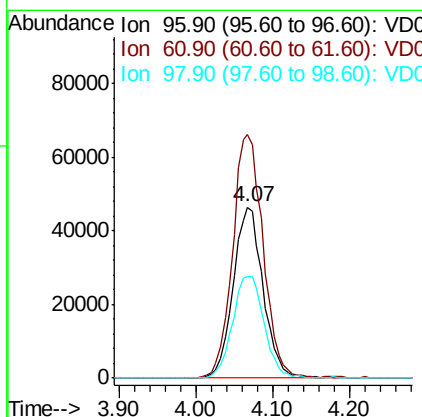
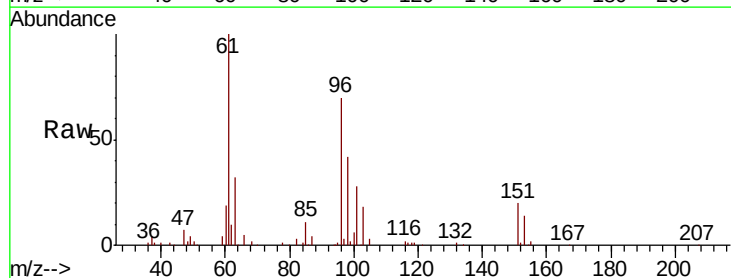
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

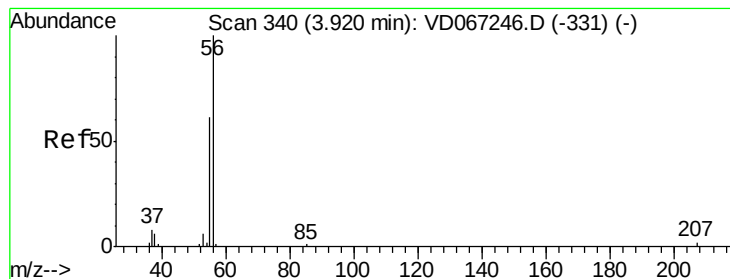
Tot Ion: 59 Resp: 34133
Ion Ratio Lower Upper
59 100
57 5.1 5.1 7.7



#12
1,1-Dichloroethene
Concen: 46.016 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 96 Resp: 126170
Ion Ratio Lower Upper
96 100
61 142.2 118.6 177.8
98 59.2 51.8 77.6





#13

Acrolein

Concen: 226.855 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

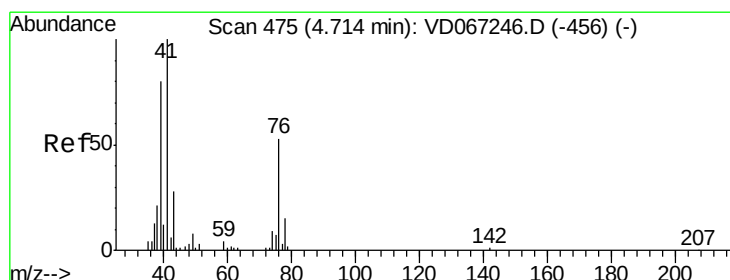
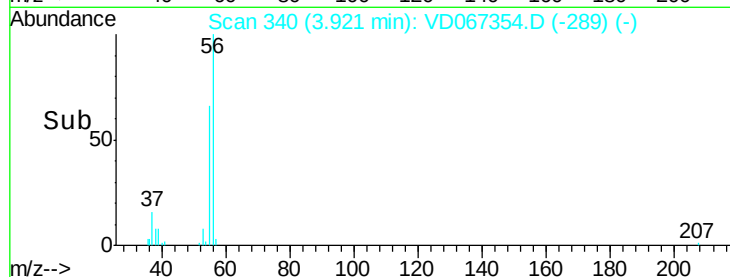
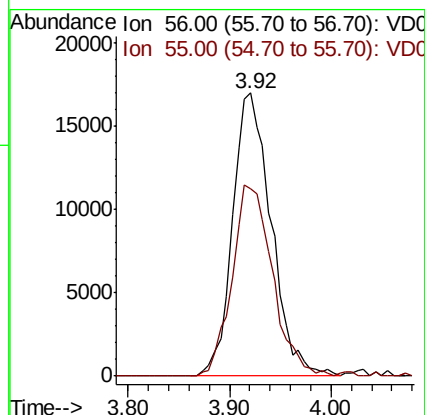
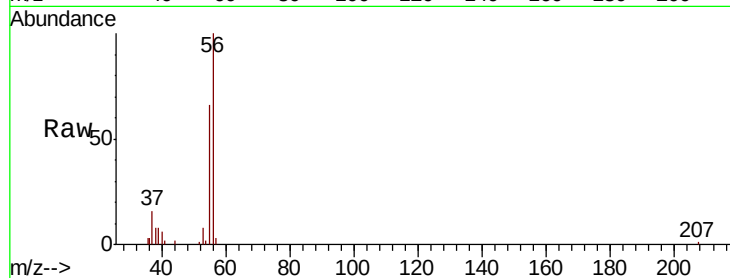
VSTDCCC050

Tot Ion: 56 Resp: 44689

Ion Ratio Lower Upper

56 100

55 70.8 56.0 84.0



#14

Allyl chloride

Concen: 44.594 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

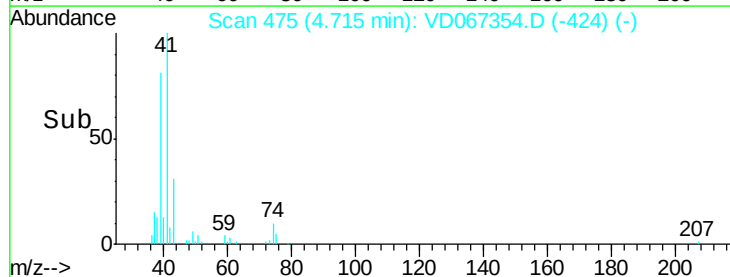
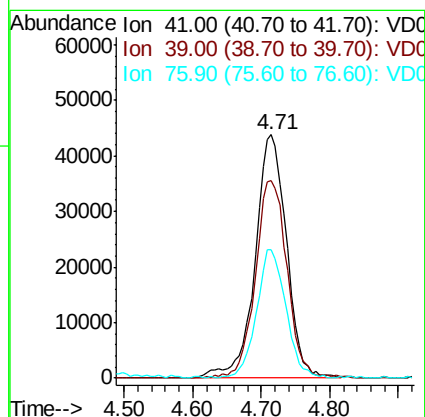
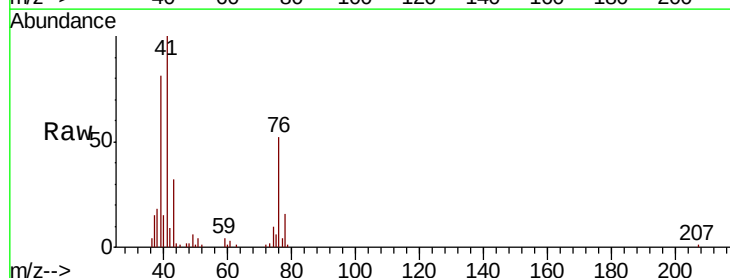
Tgt Ion: 41 Resp: 140023

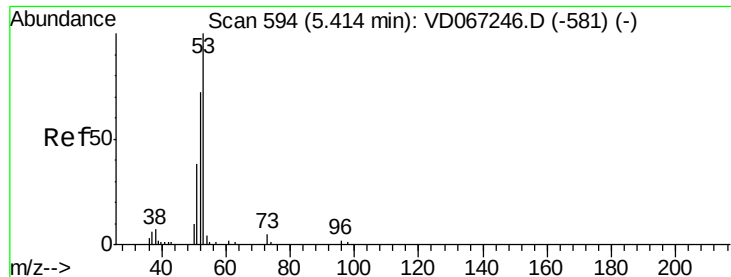
Ion Ratio Lower Upper

41 100

39 81.6 63.8 95.6

76 49.3 40.4 60.6





#15

Acrylonitrile

Concen: 224.752 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

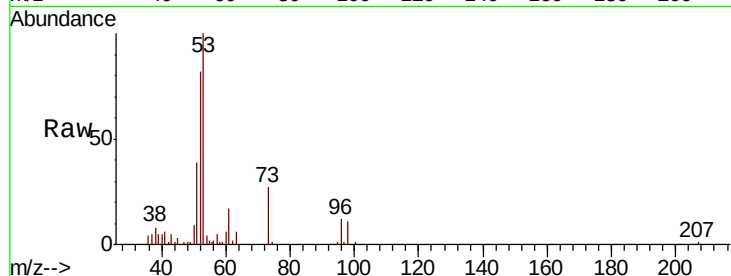
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 99130

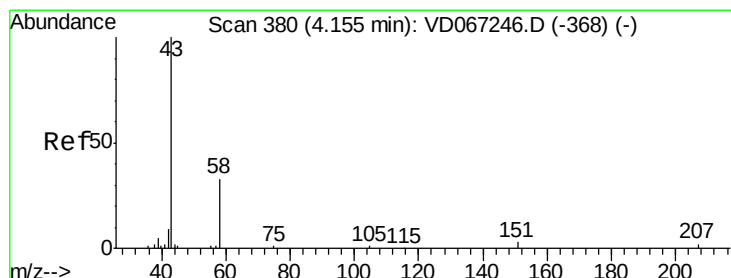
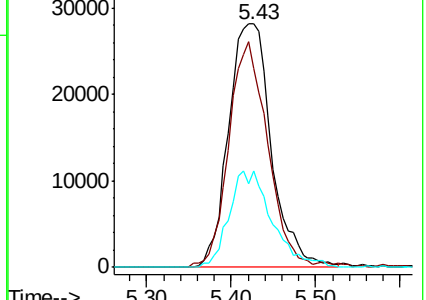
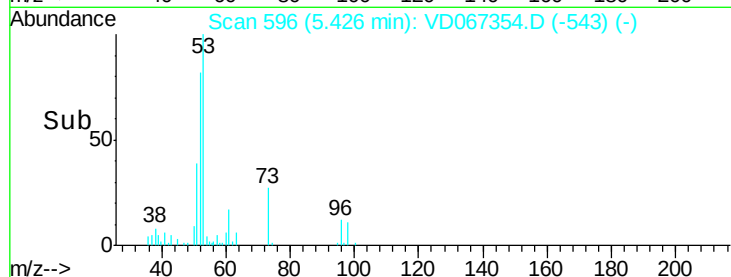
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.6	98.4
51	39.5	30.8	46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 261.948 ug/l

RT: 4.16 min Scan# 380

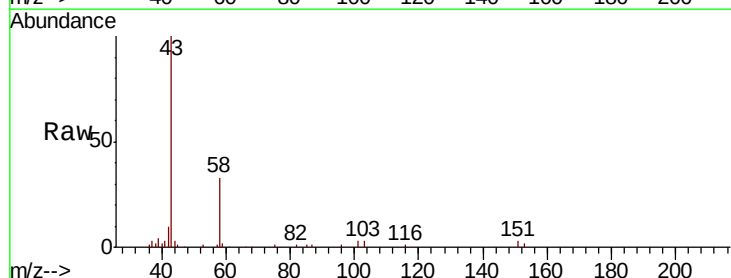
Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

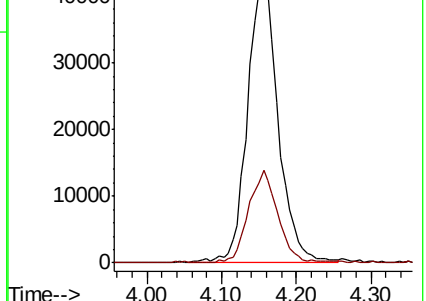
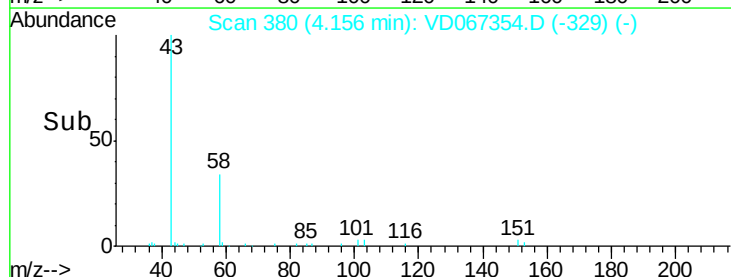
Tgt Ion: 43 Resp: 122102

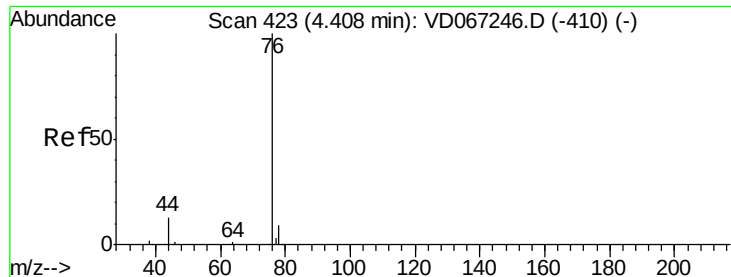
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.1	39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

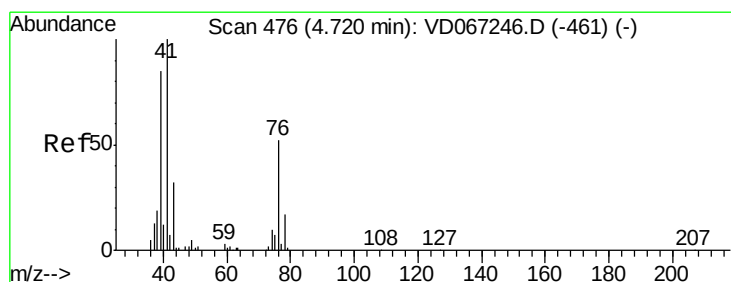
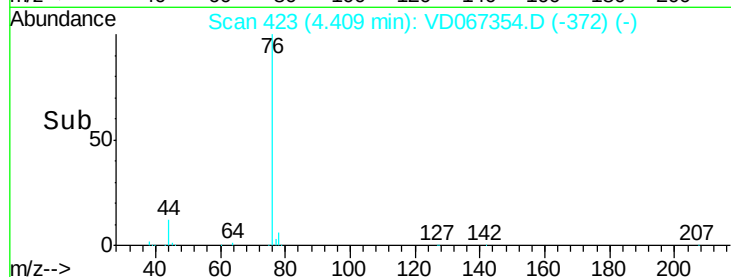
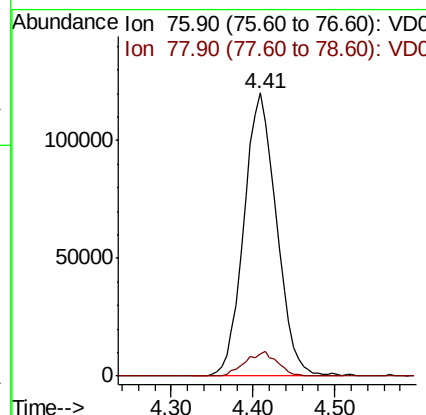
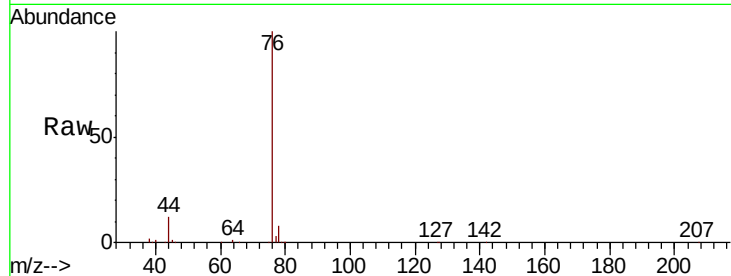




#17
Carbon Disulfide
Concen: 42.706 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

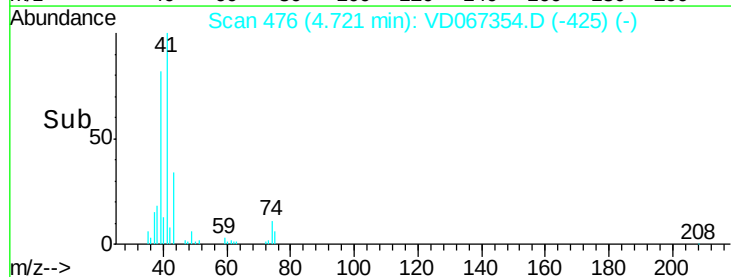
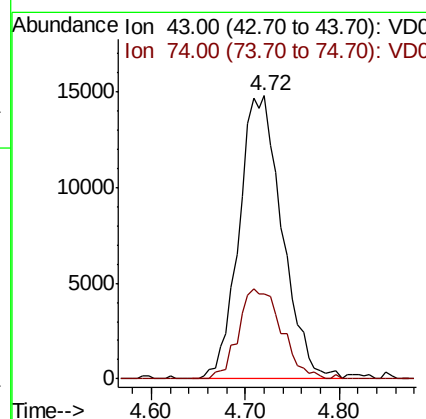
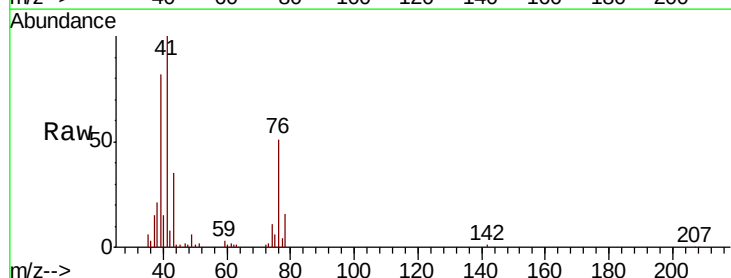
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

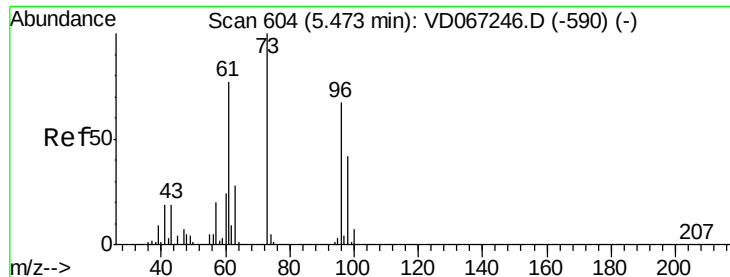
Tot Ion: 76 Resp: 333807
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0



#18
Methyl Acetate
Concen: 44.139 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 43 Resp: 46928
Ion Ratio Lower Upper
43 100
74 31.6 26.6 39.8

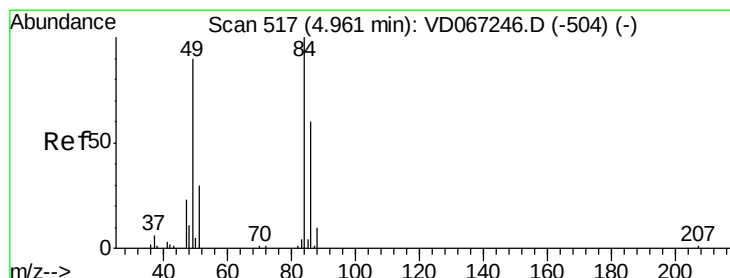
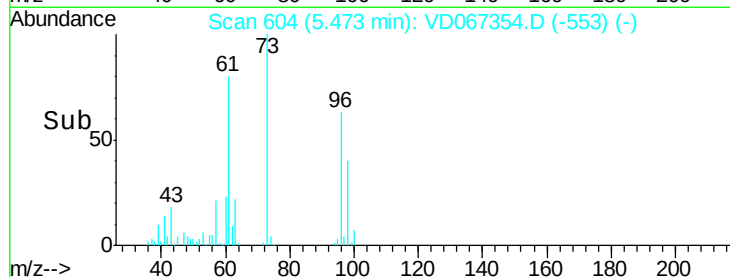
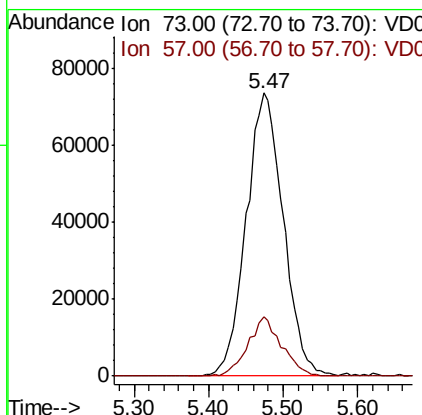
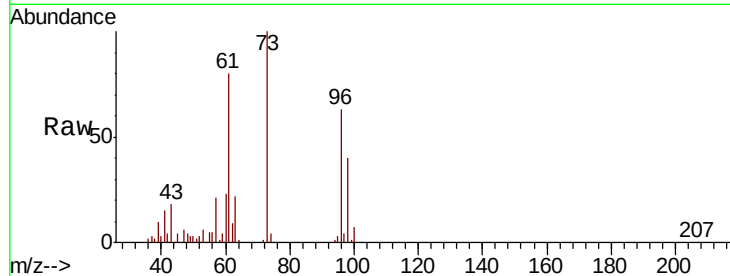




#19
Methyl tert-butyl Ether
Concen: 46.661 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

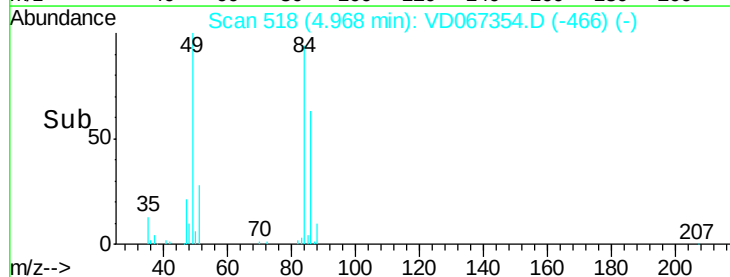
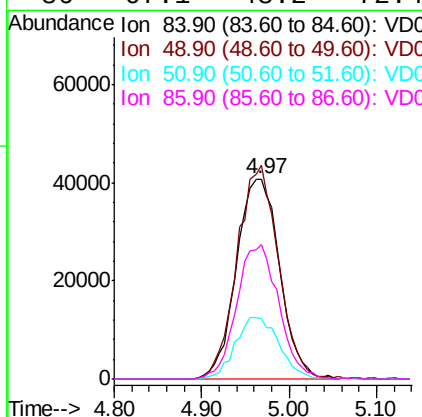
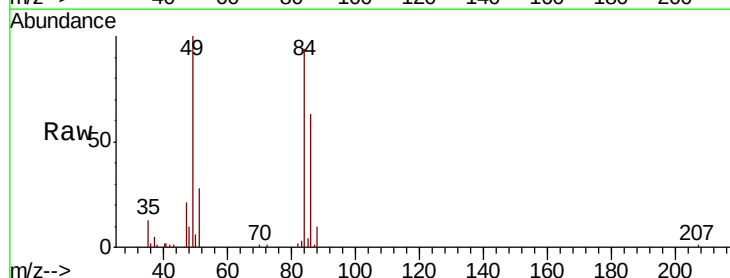
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

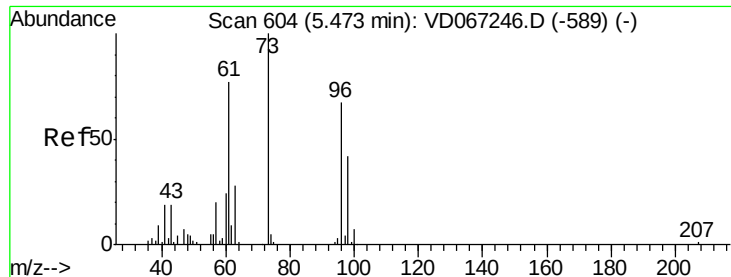
Tot Ion: 73 Resp: 254394
Ion Ratio Lower Upper
73 100
57 21.0 15.7 23.5



#20
Methylene Chloride
Concen: 45.659 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 84 Resp: 137492
Ion Ratio Lower Upper
84 100
49 106.8 72.2 108.2
51 29.8 23.8 35.8
86 67.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 45.765 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

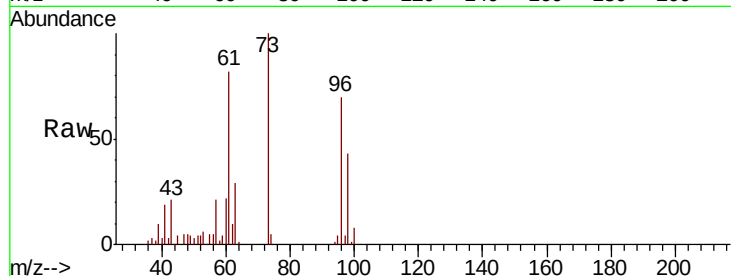
Tot Ion: 96 Resp: 144399

Ion Ratio Lower Upper

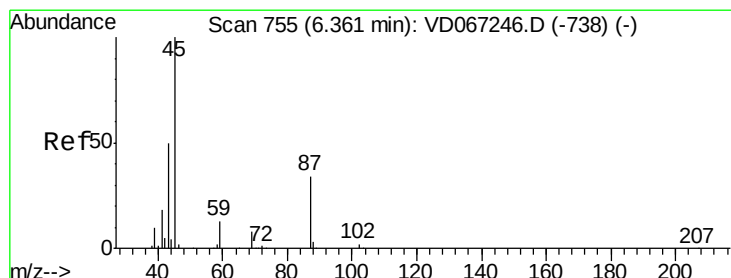
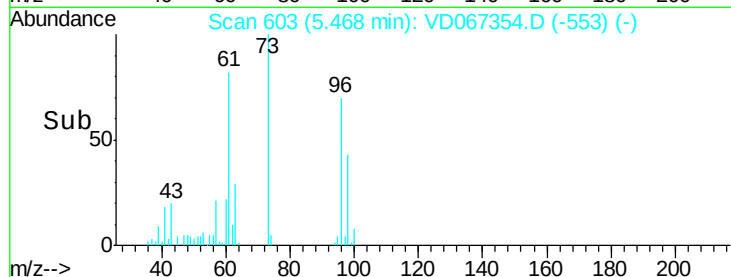
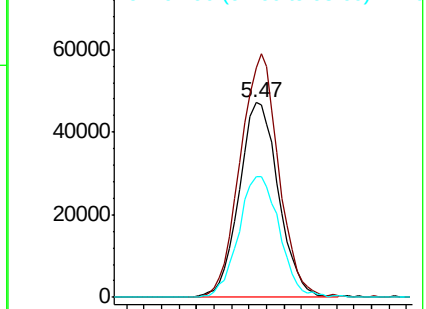
96 100

61 118.1 92.0 138.0

98 62.2 49.8 74.8



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



#22

Diisopropyl ether

Concen: 47.475 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Tgt Ion: 45 Resp: 272312

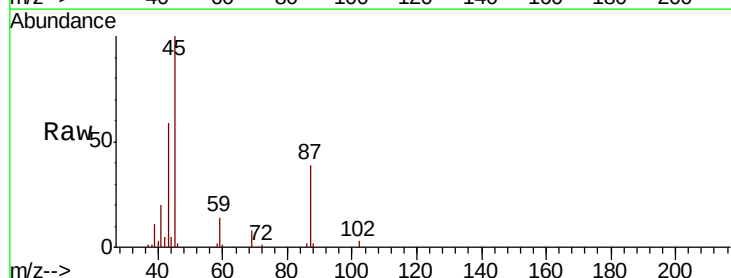
Ion Ratio Lower Upper

45 100

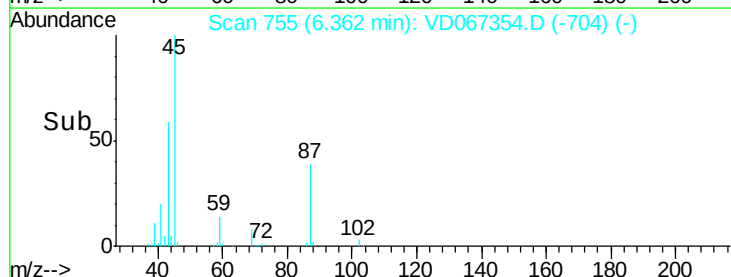
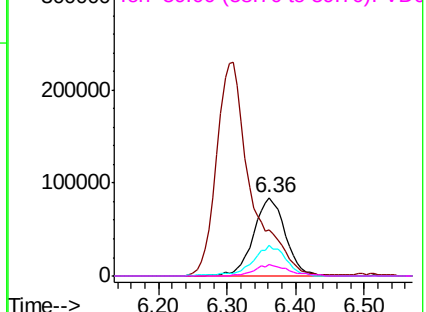
43 57.9 48.0 72.0

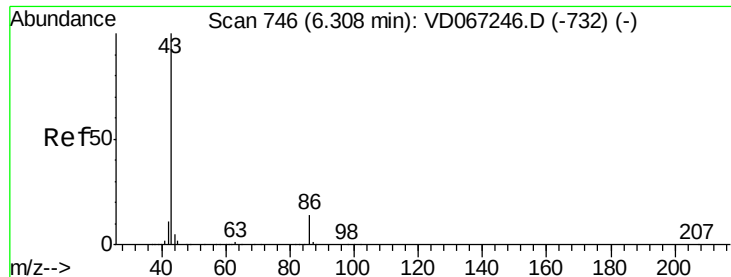
87 39.4 28.5 42.7

59 13.8 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 244.508 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

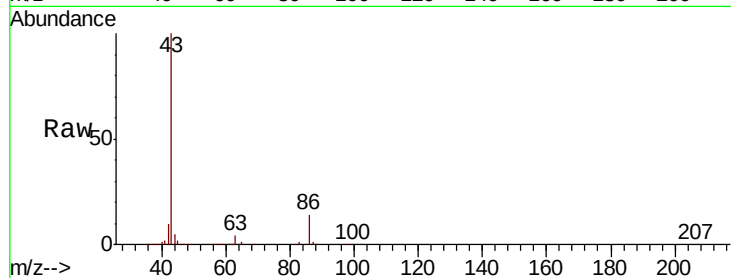
VSTDCCC050

Tot Ion: 43 Resp: 797897

Ion Ratio Lower Upper

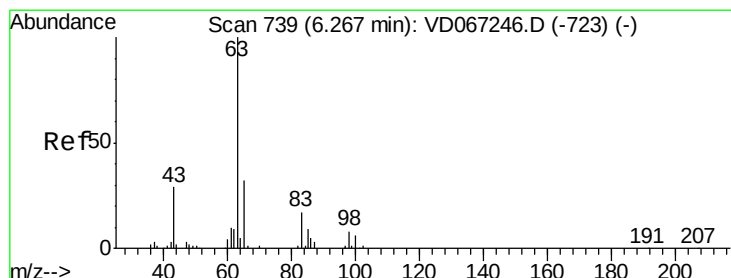
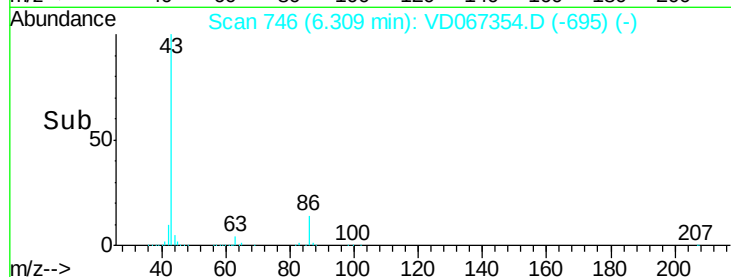
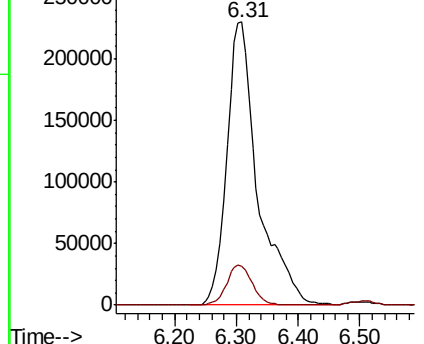
43 100

86 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.075 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

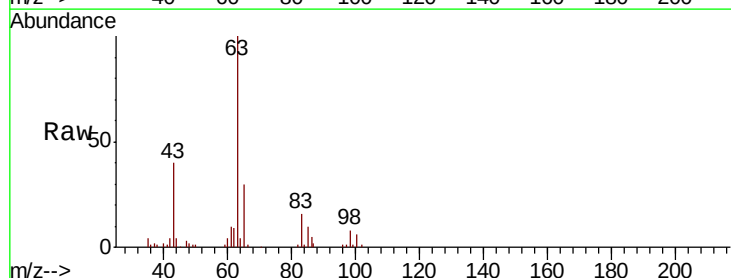
Tgt Ion: 63 Resp: 226226

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.2

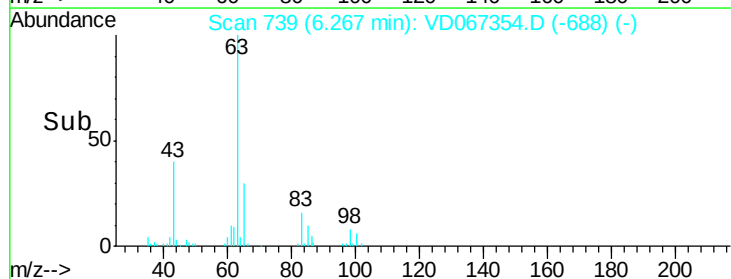
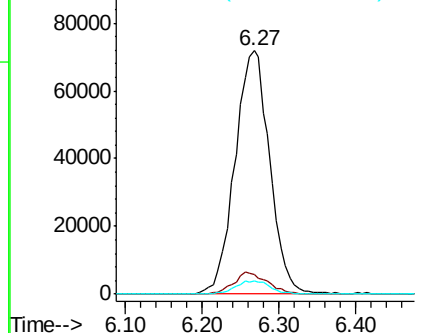
100 5.5 2.8 8.4

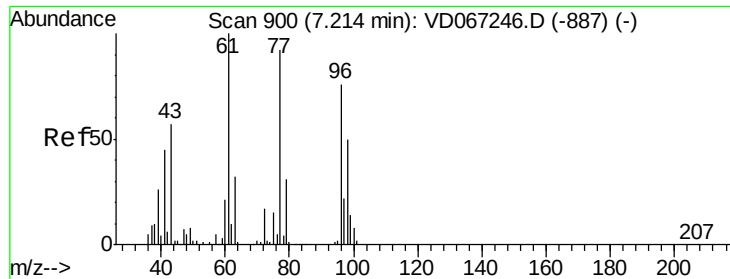


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

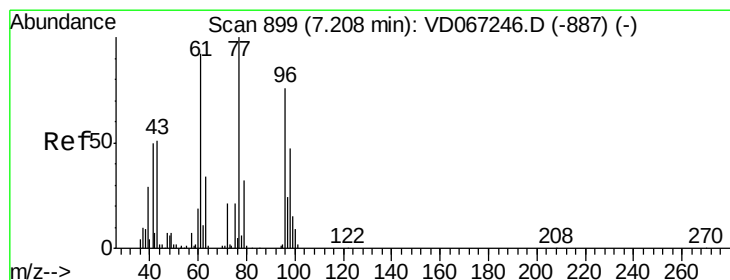
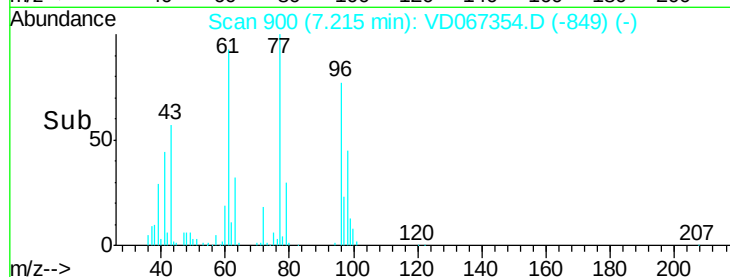
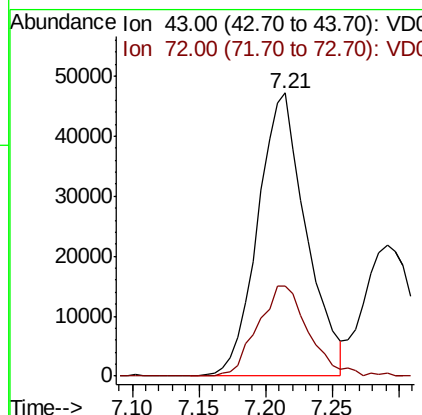
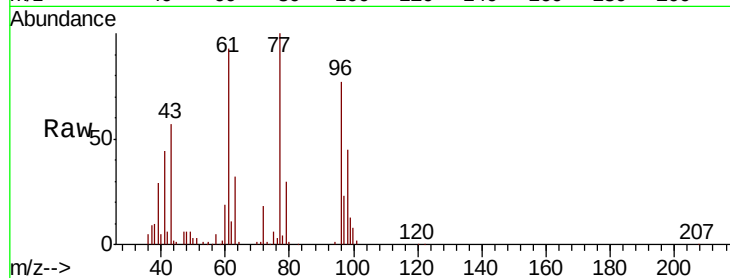




#25
2-Butanone
Concen: 223.421 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

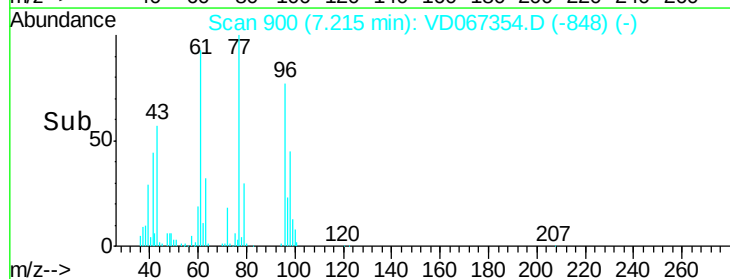
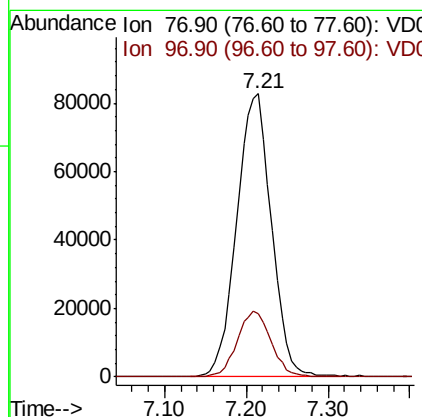
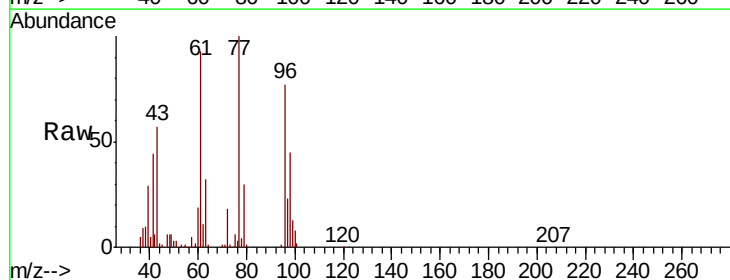
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

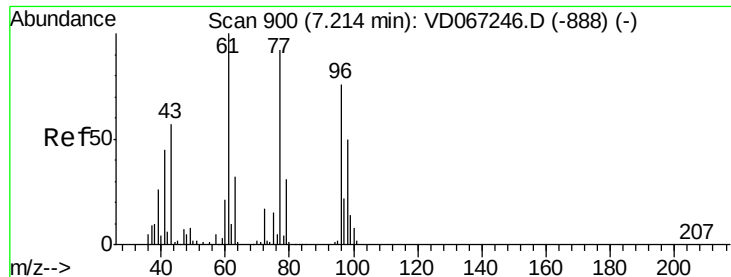
Tot Ion: 43 Resp: 118713
Ion Ratio Lower Upper
43 100
72 31.9 23.7 35.5



#26
2,2-Dichloropropane
Concen: 48.148 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 77 Resp: 243669
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.2



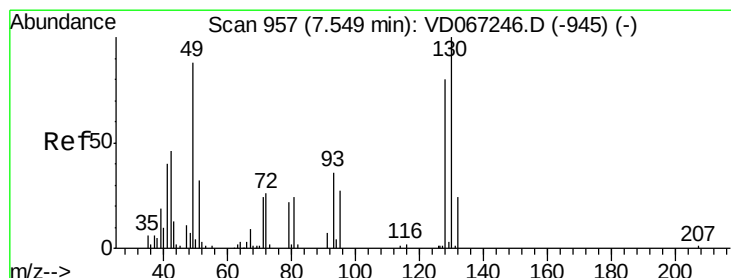
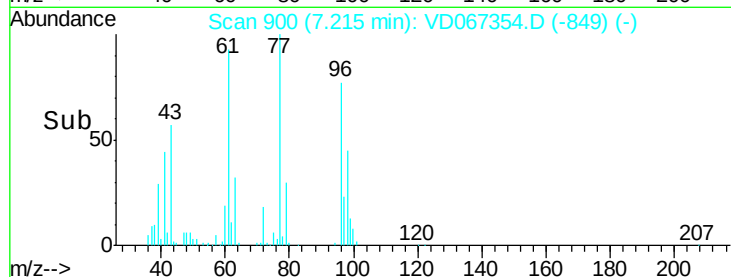
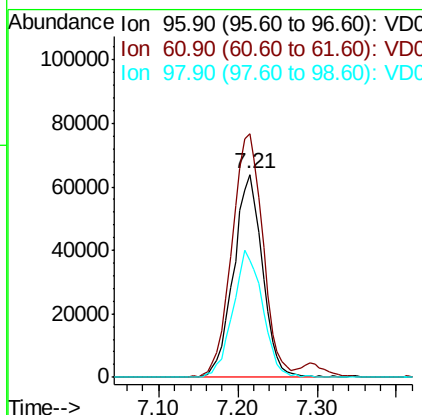
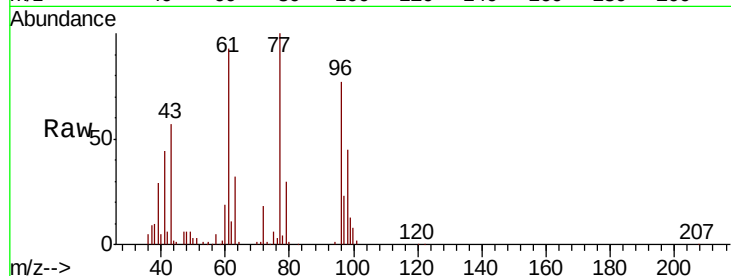


#27

cis-1,2-Dichloroethene
 Concen: 46.848 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

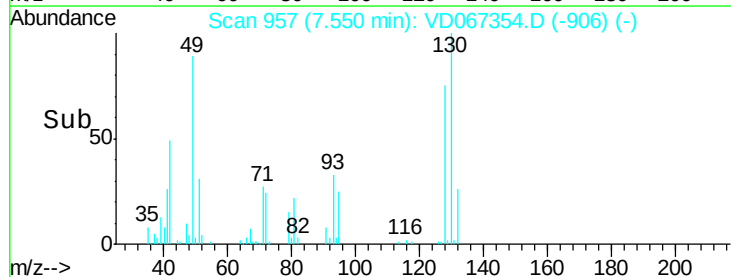
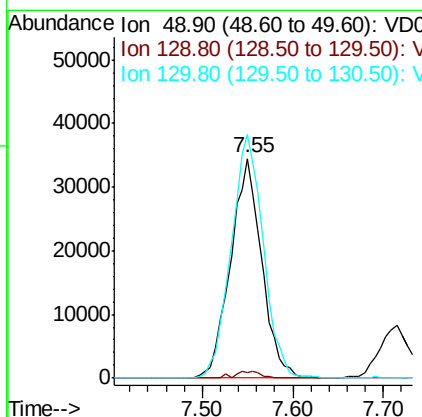
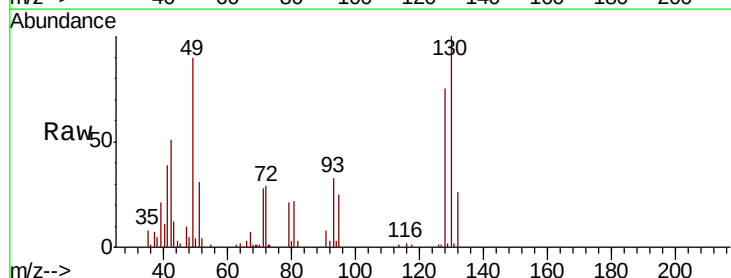
Tot Ion: 96 Resp: 162004
 Ion Ratio Lower Upper
 96 100
 61 128.5 0.0 255.4
 98 64.0 0.0 128.0

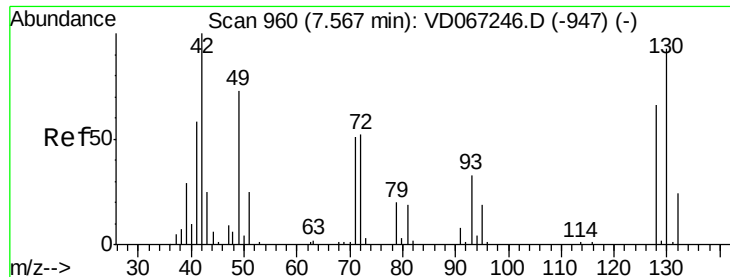


#28

Bromochloromethane
 Concen: 49.182 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion: 49 Resp: 82367
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 1.6#
 130 114.2 91.0 136.6

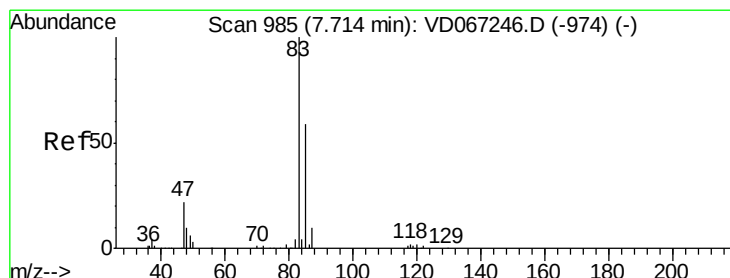
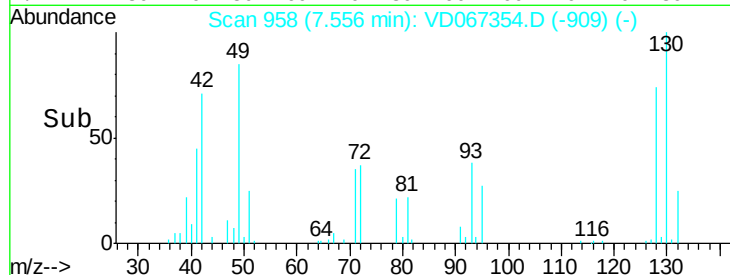
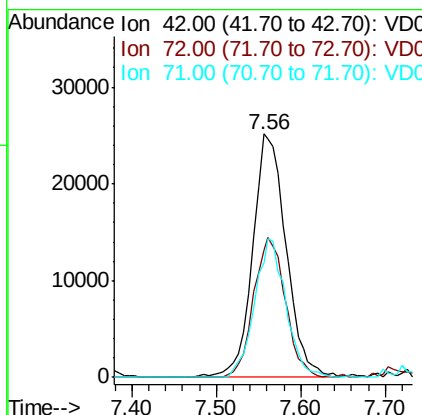
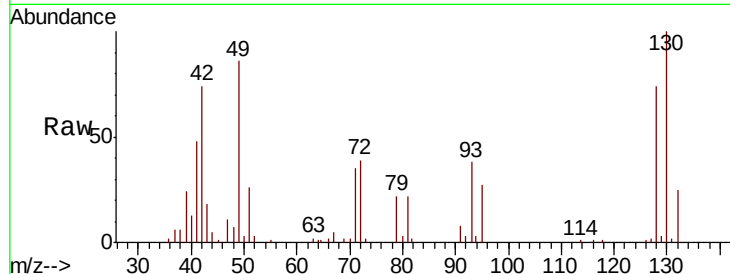




#29
Tetrahydrofuran
Concen: 234.962 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

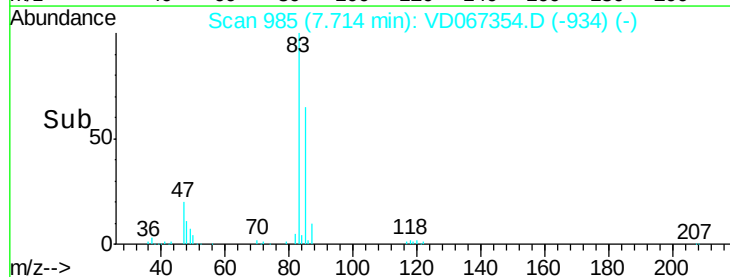
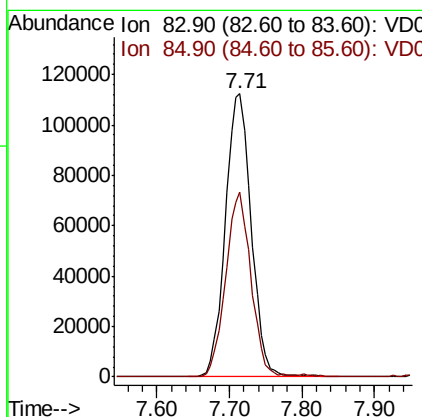
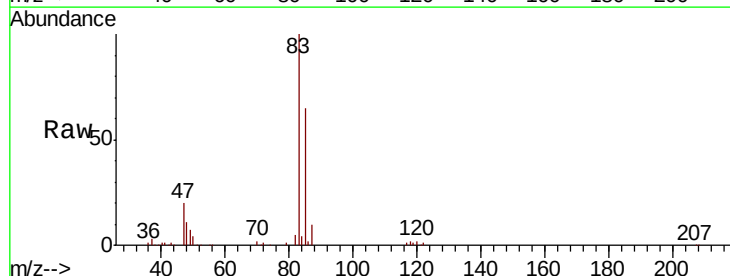
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

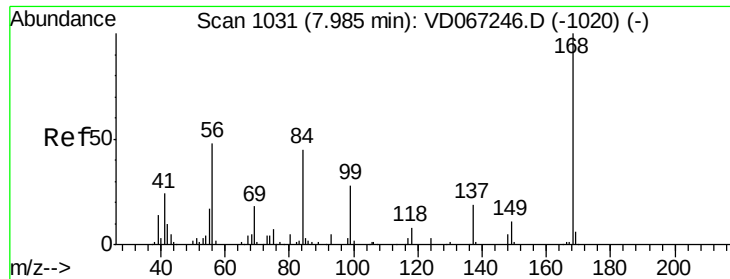
Tot Ion: 42 Resp: 69399
Ion Ratio Lower Upper
42 100
72 54.5 43.2 64.8
71 53.2 39.4 59.0



#30
Chloroform
Concen: 47.369 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 83 Resp: 277842
Ion Ratio Lower Upper
83 100
85 65.3 47.3 70.9

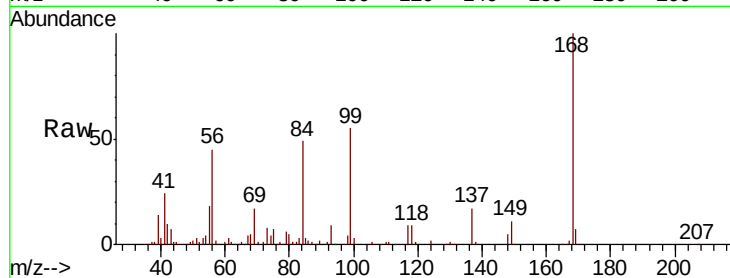




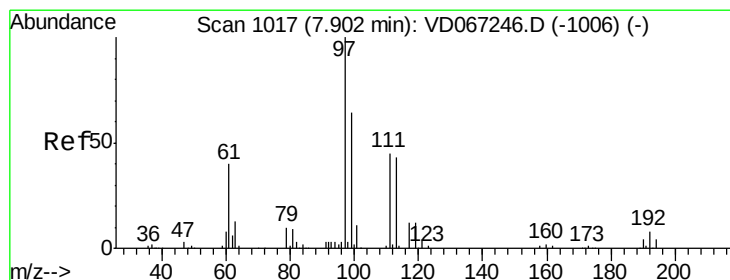
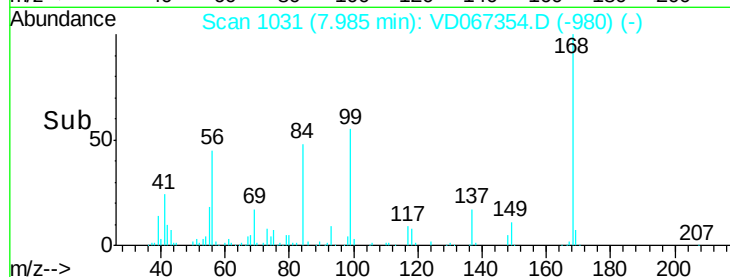
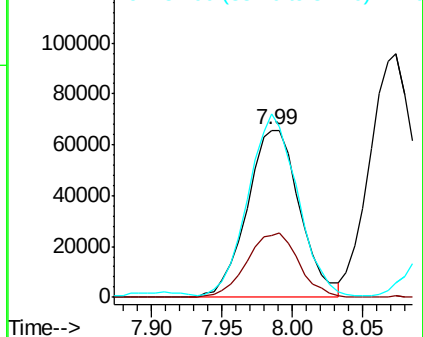
#31
Cyclohexane
Concen: 44.757 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 171578
Ion Ratio Lower Upper
56 100
69 37.4 29.8 44.6
84 107.7 76.6 114.8

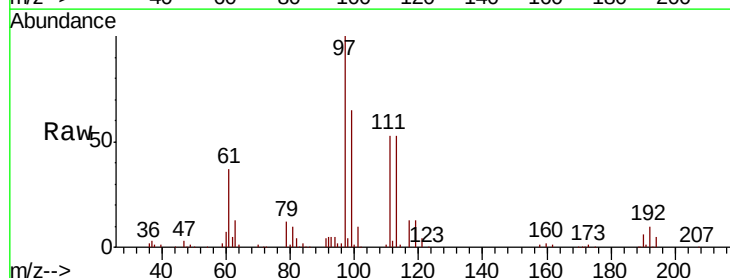


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

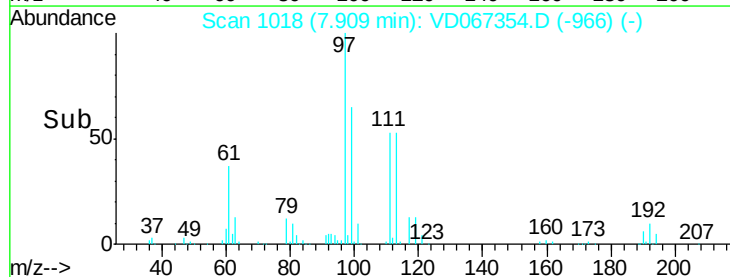
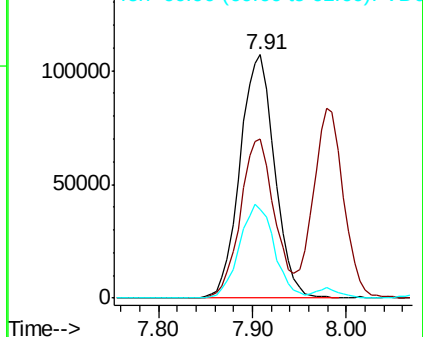


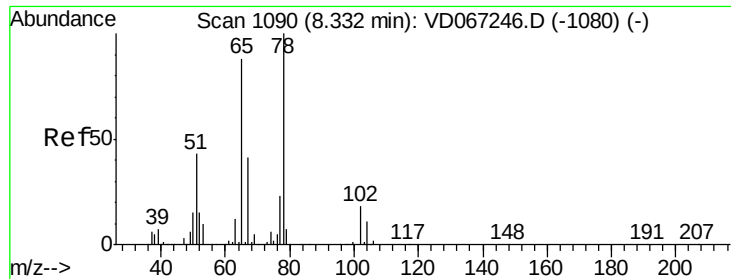
#32
1,1,1-Trichloroethane
Concen: 47.416 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 97 Resp: 272881
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.4
61 38.8 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

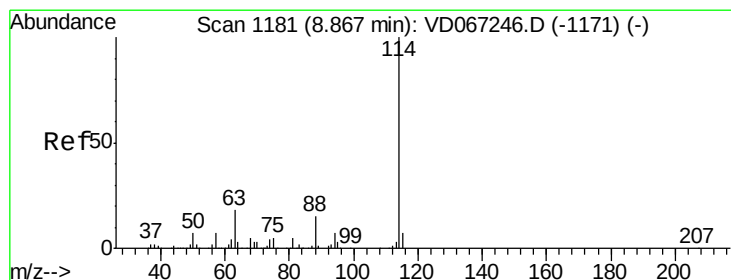
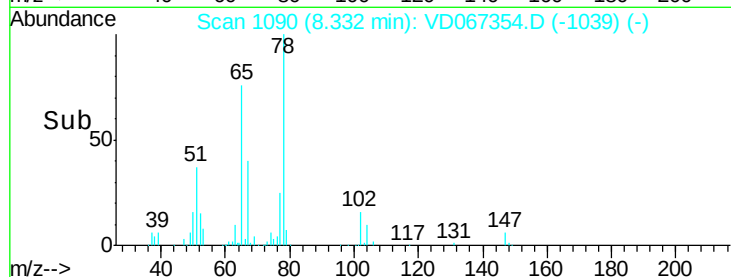
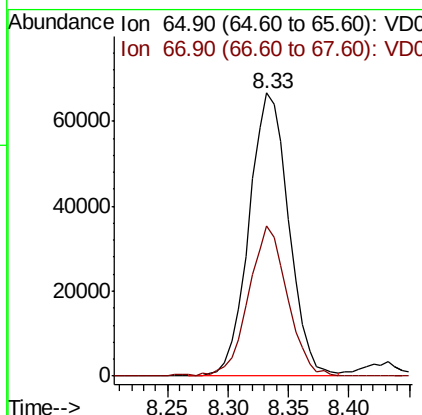
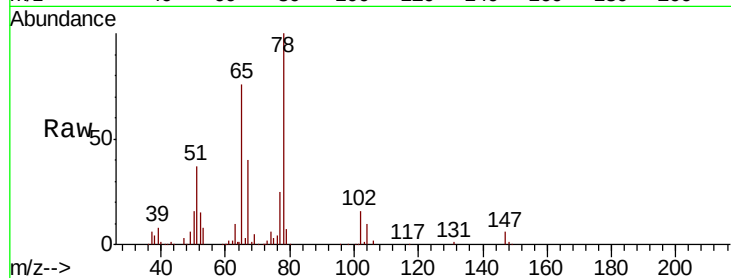




#33
 1,2-Dichloroethane-d4
 Concen: 45.616 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

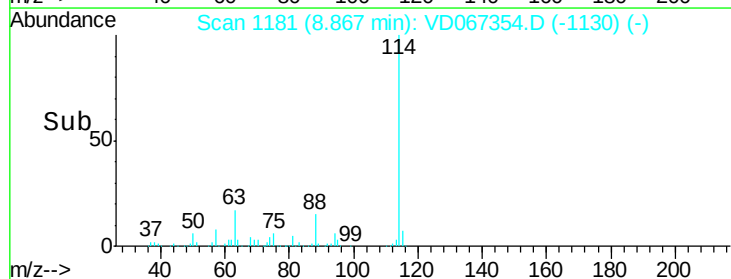
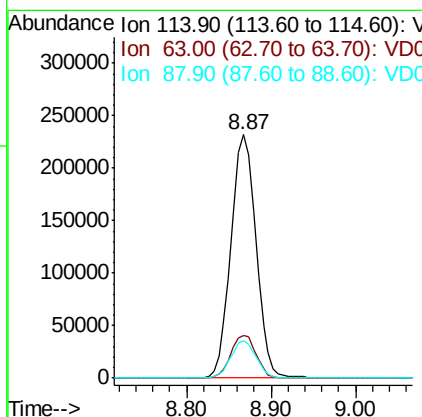
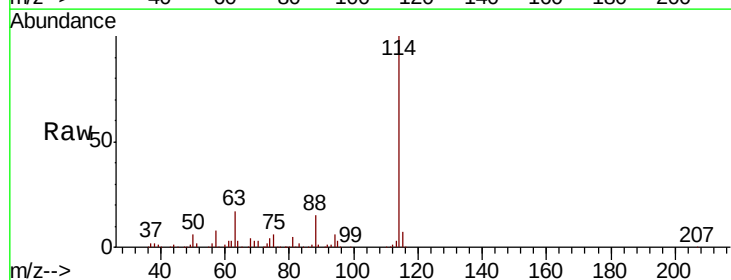
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

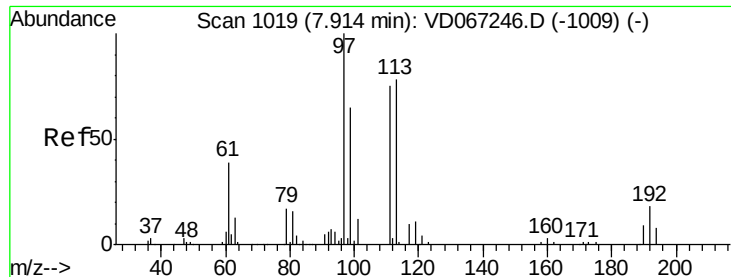
Tot Ion: 65 Resp: 151826
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion: 114 Resp: 474433
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.0
 88 15.4 0.0 30.6

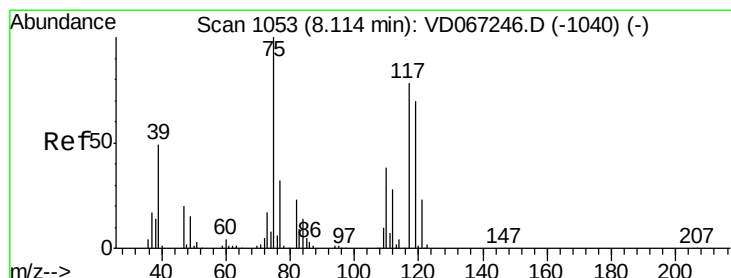
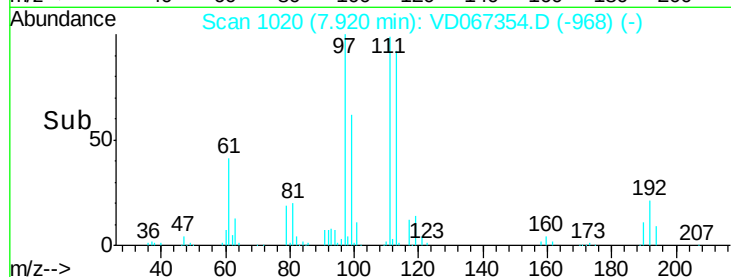
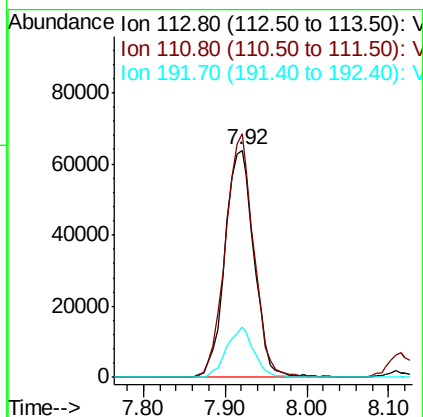
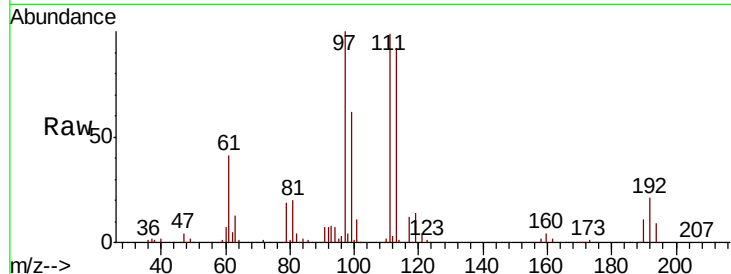




#35
 Dibromofluoromethane
 Concen: 50.201 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

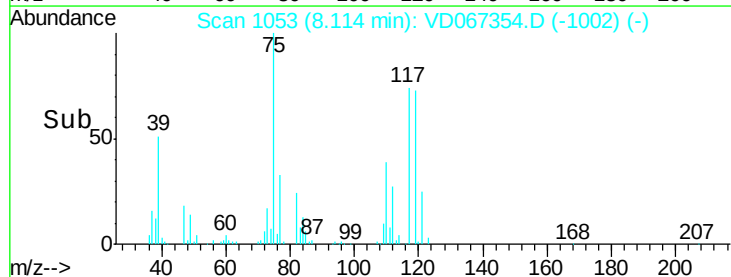
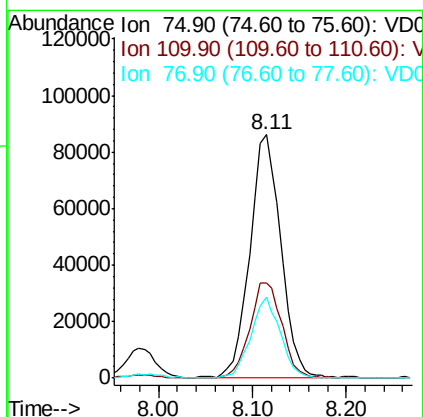
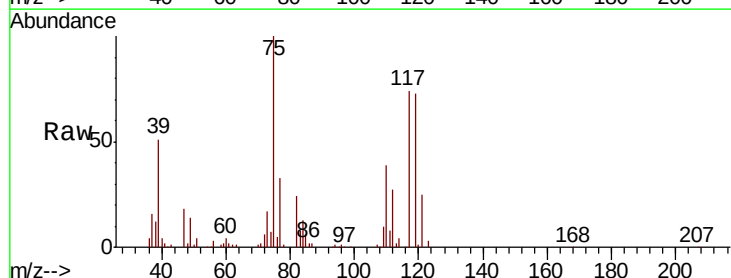
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

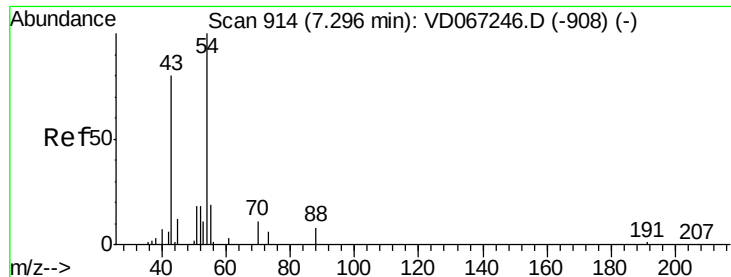
Tot Ion:113 Resp: 158504
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.6 122.4
 192 20.7 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 49.120 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion: 75 Resp: 197517
 Ion Ratio Lower Upper
 75 100
 110 40.5 19.6 58.7
 77 31.7 24.6 37.0

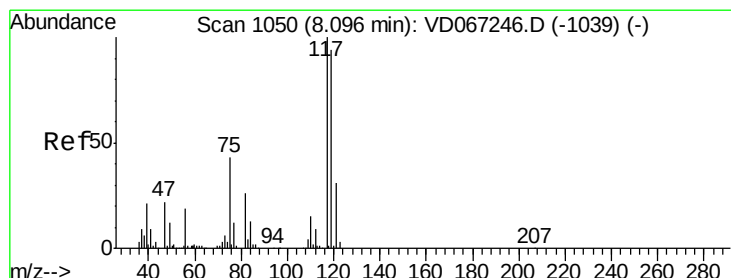
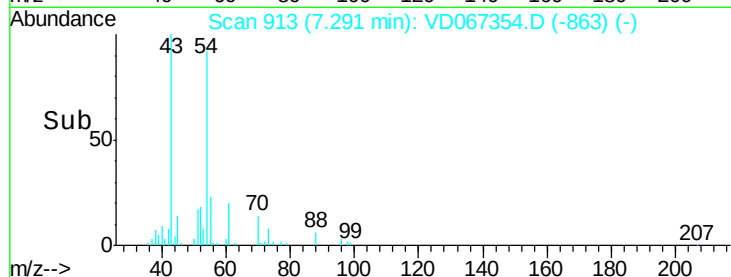
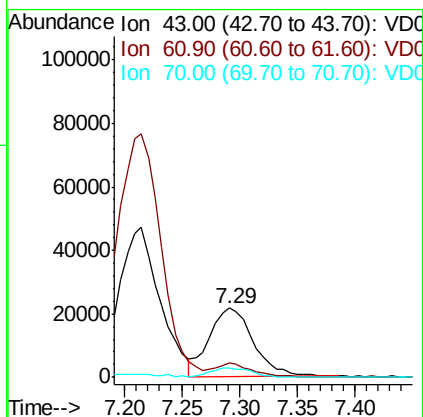
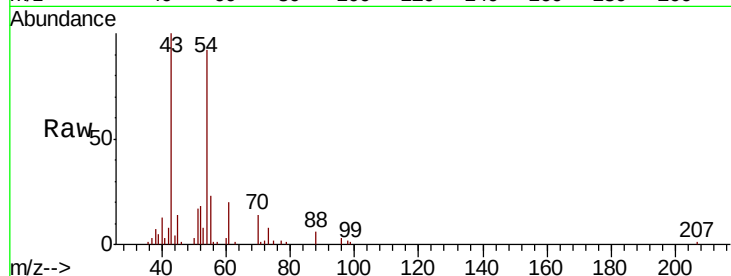




#37
Ethyl Acetate
Concen: 48.453 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

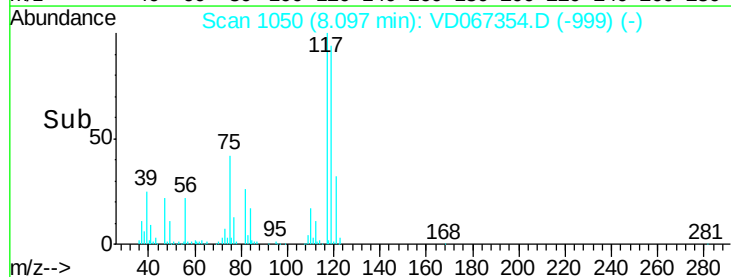
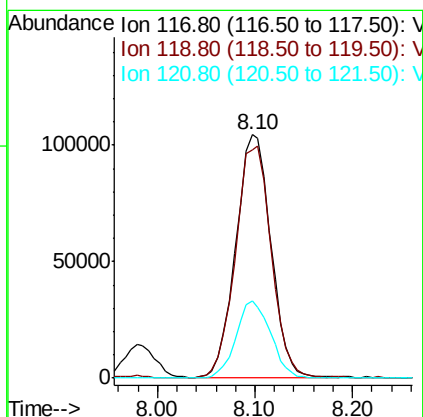
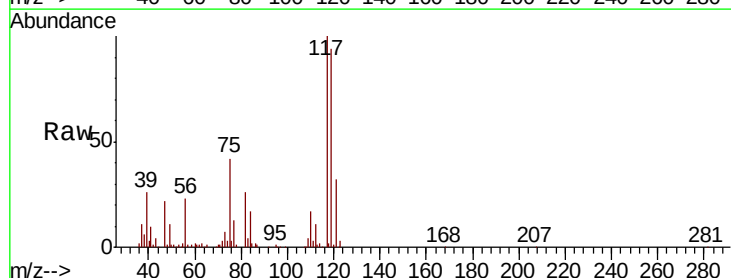
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

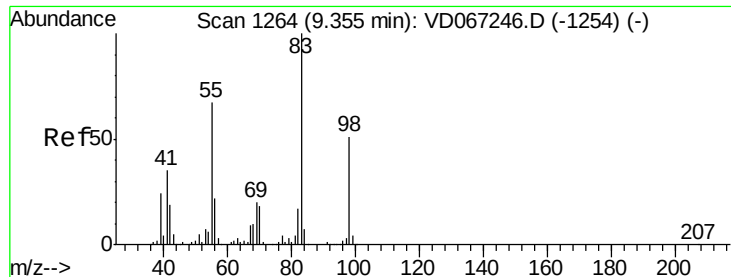
Tot Ion: 43 Resp: 57324
Ion Ratio Lower Upper
43 100
61 16.1 15.6 23.4
70 13.3 10.4 15.6



#38
Carbon Tetrachloride
Concen: 50.816 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 117 Resp: 261164
Ion Ratio Lower Upper
117 100
119 94.1 75.0 112.4
121 31.9 24.9 37.3

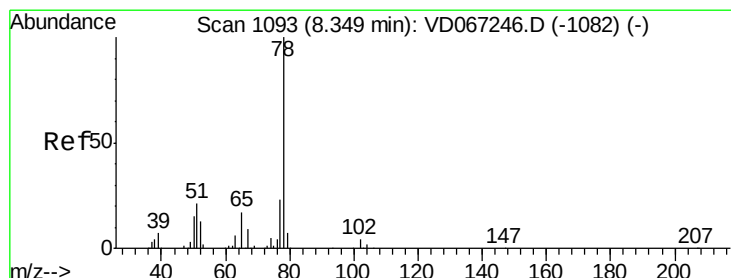
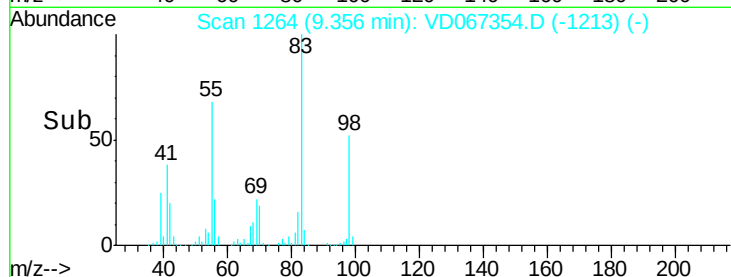
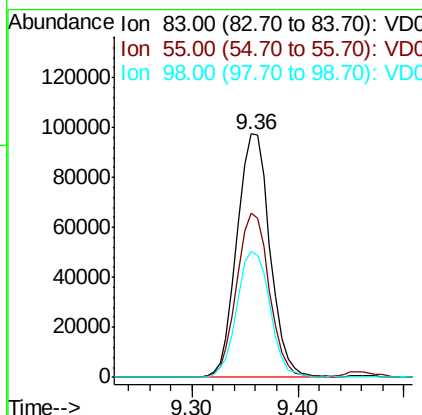
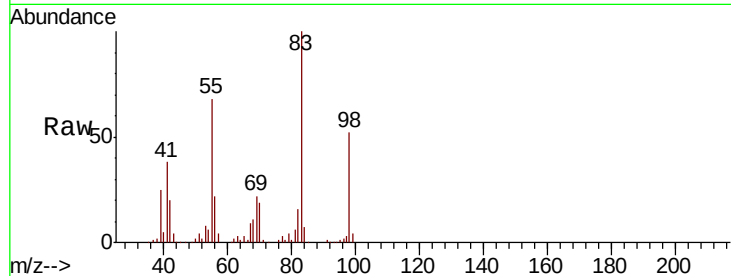




#39
Methylvlcyclohexane
Concen: 50.510 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

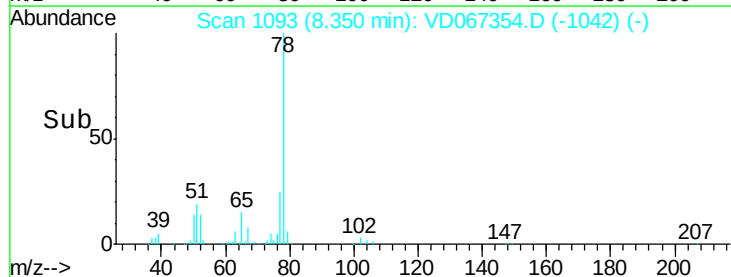
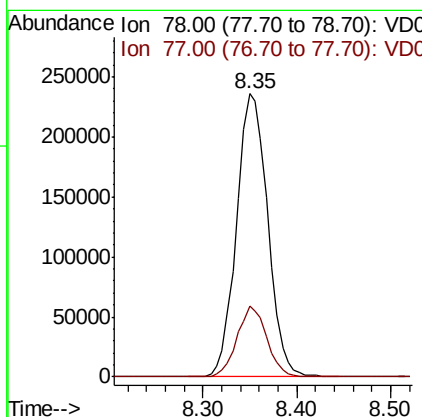
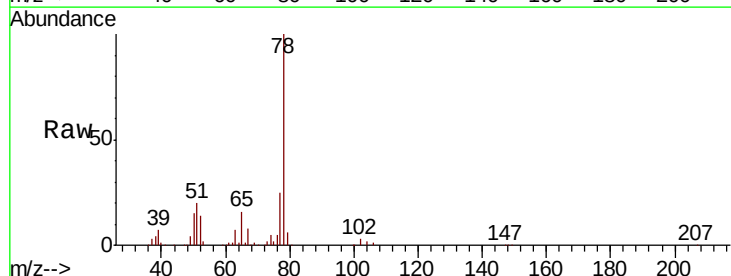
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

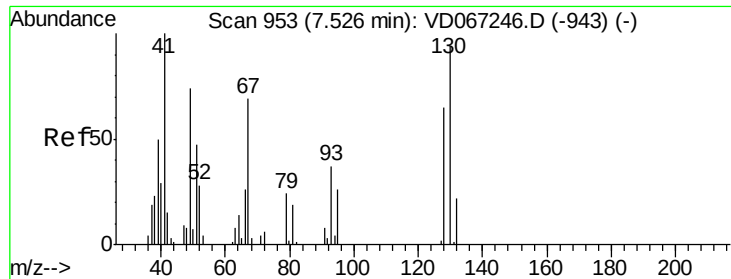
Tot Ion: 83 Resp: 212335
Ion Ratio Lower Upper
83 100
55 67.6 53.3 79.9
98 52.0 41.0 61.4



#40
Benzene
Concen: 49.272 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 78 Resp: 543550
Ion Ratio Lower Upper
78 100
77 25.0 18.3 27.5





#41

Methacrylonitrile

Concen: 120.178 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 76833

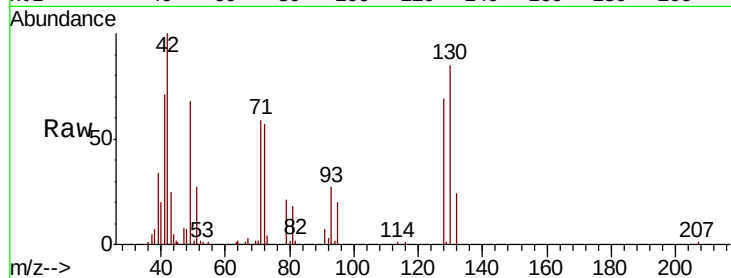
Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

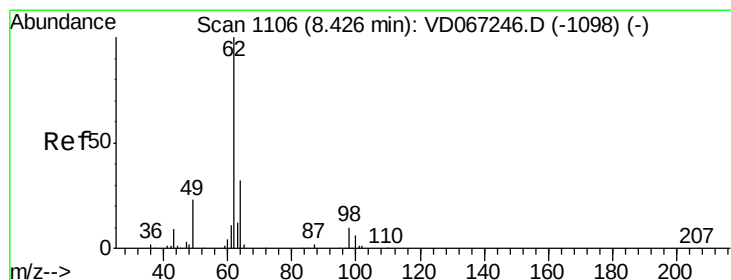
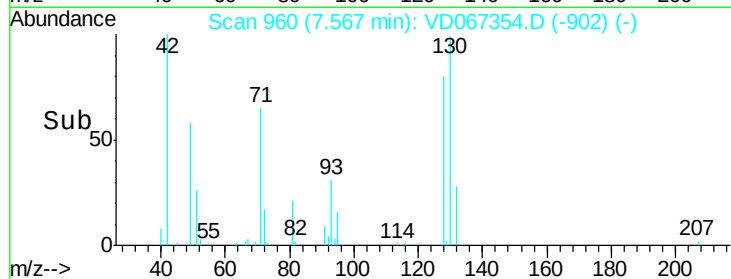
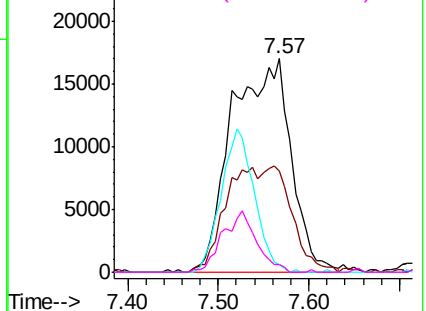


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 49.685 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067354.D

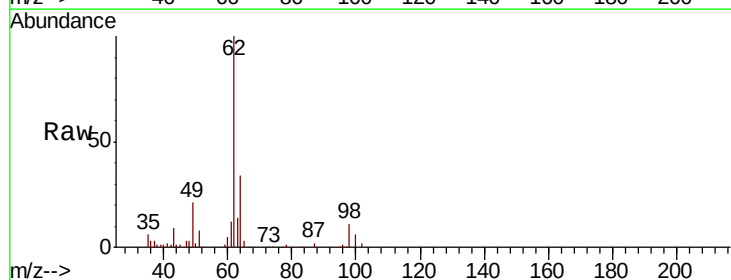
Acq: 22 Oct 2020 10:07

Tgt Ion: 62 Resp: 171528

Ion Ratio Lower Upper

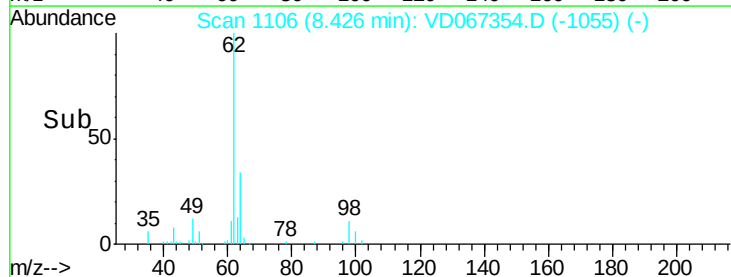
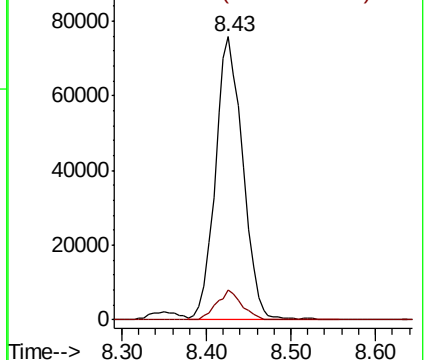
62 100

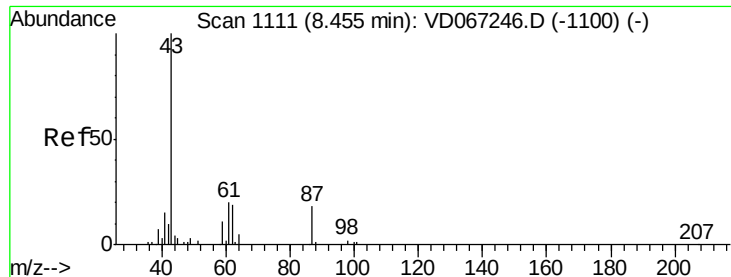
98 9.5 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.965 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

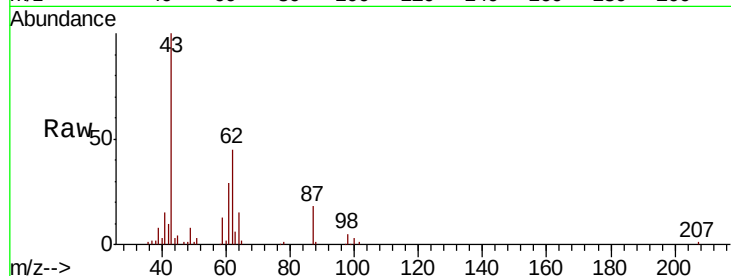
Tot Ion: 43 Resp: 112601

Ion Ratio Lower Upper

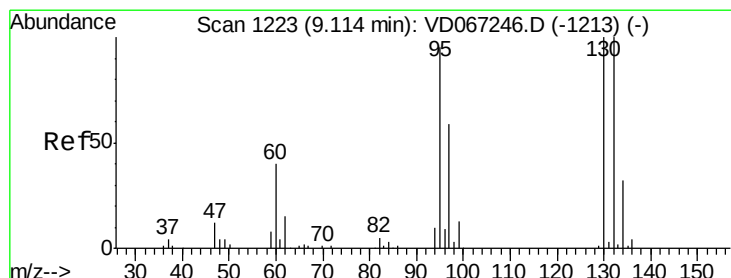
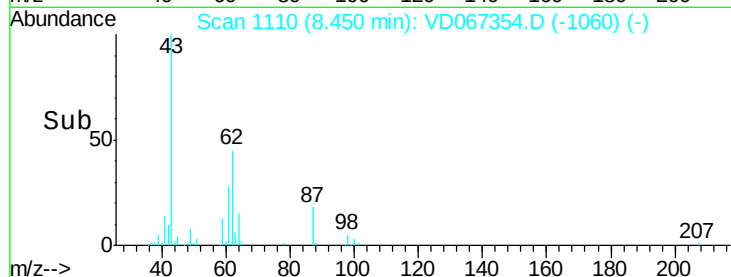
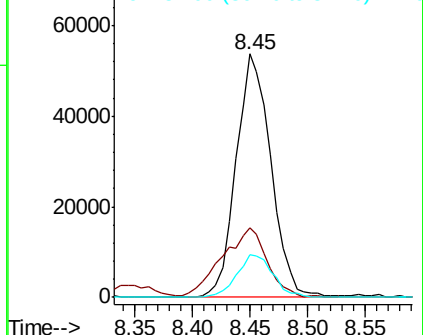
43 100

61 37.3 29.5 44.3

87 18.4 14.2 21.4



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: 50.063 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067354.D

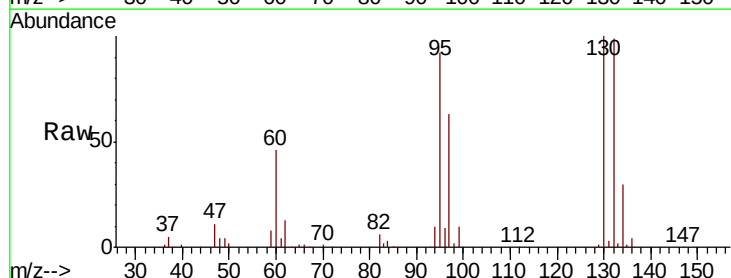
Acq: 22 Oct 2020 10:07

Tgt Ion:130 Resp: 176825

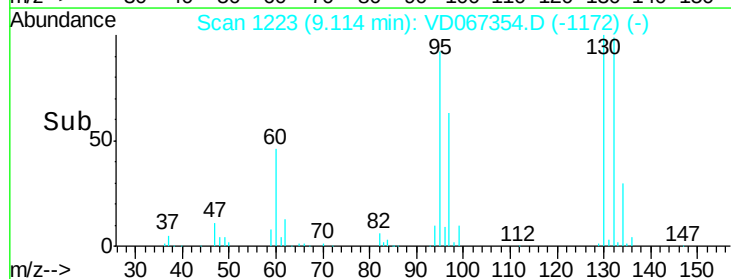
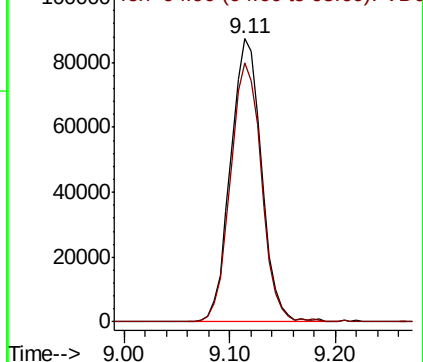
Ion Ratio Lower Upper

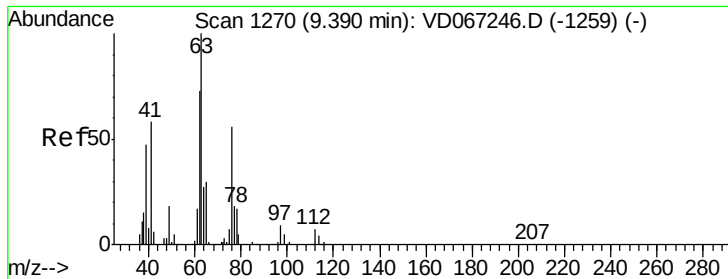
130 100

95 91.5 0.0 190.6



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

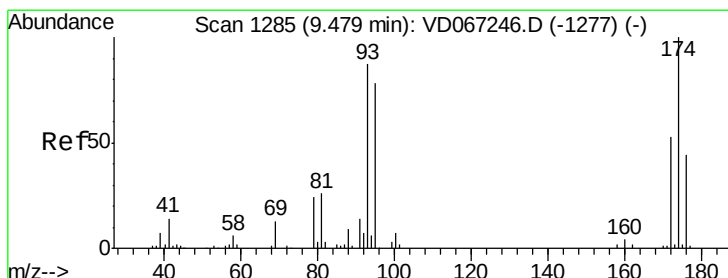
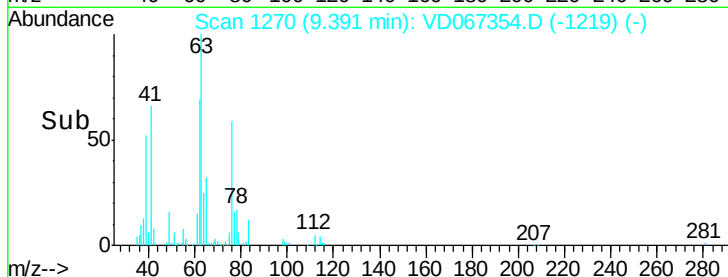
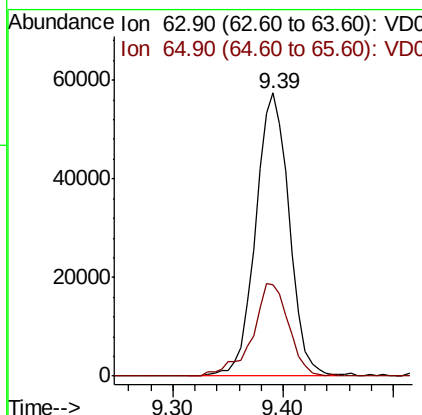
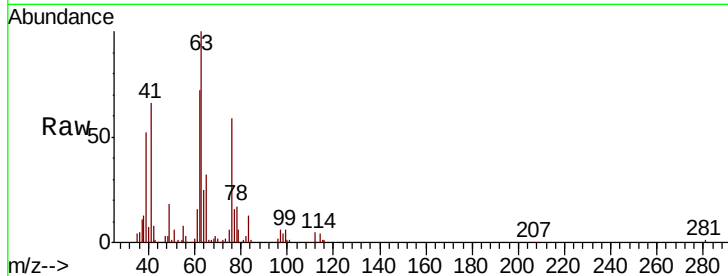




#45
 1,2-Dichloropropane
 Concen: 47.782 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

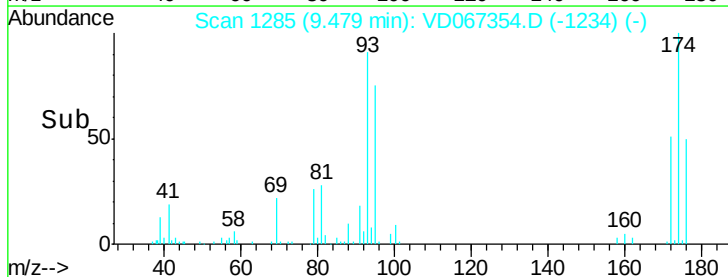
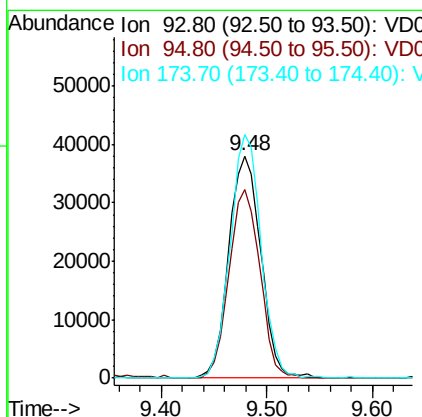
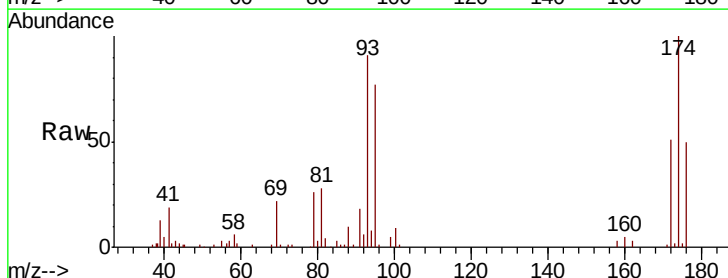
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

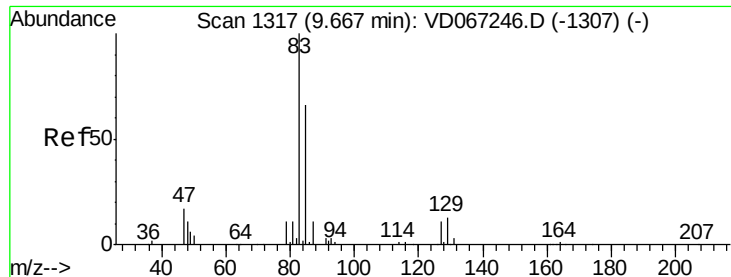
Tot Ion: 63 Resp: 122162
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.6 36.8



#46
 Dibromomethane
 Concen: 50.244 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion: 93 Resp: 80034
 Ion Ratio Lower Upper
 93 100
 95 81.5 68.0 102.0
 174 105.0 91.8 137.6





#47

Bromodichloromethane

Concen: 50.774 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

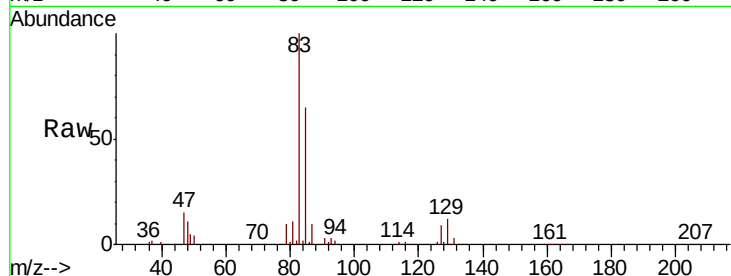
Tot Ion: 83 Resp: 216692

Ion Ratio Lower Upper

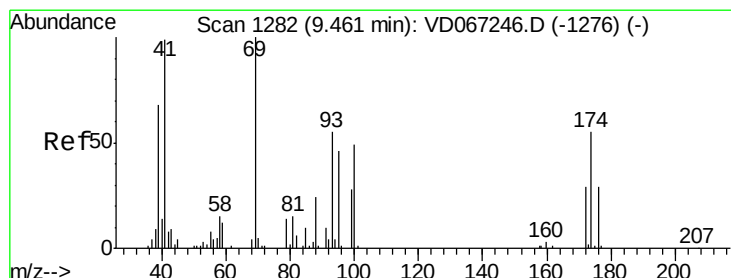
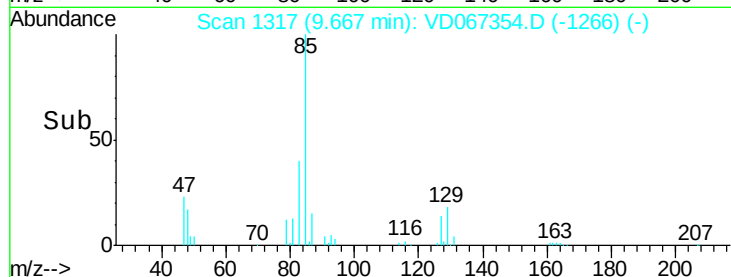
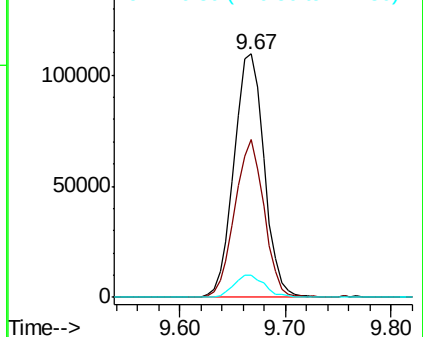
83 100

85 65.1 53.1 79.7

127 9.0 8.6 13.0



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: 47.146 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

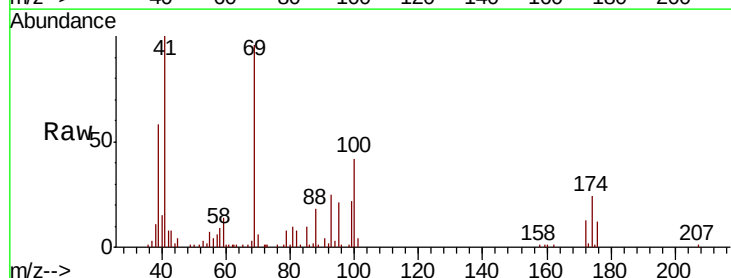
Tgt Ion: 41 Resp: 53786

Ion Ratio Lower Upper

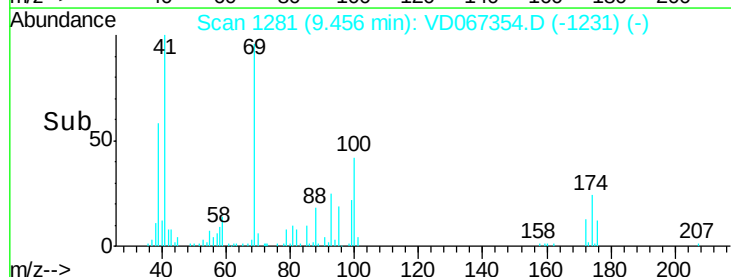
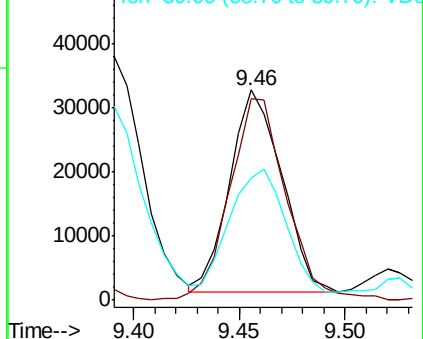
41 100

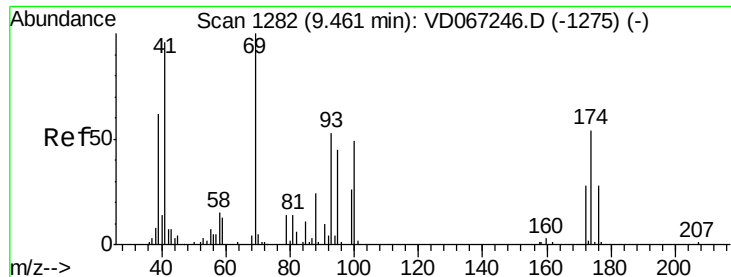
69 109.1 89.0 133.6

39 74.9 60.2 90.2



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

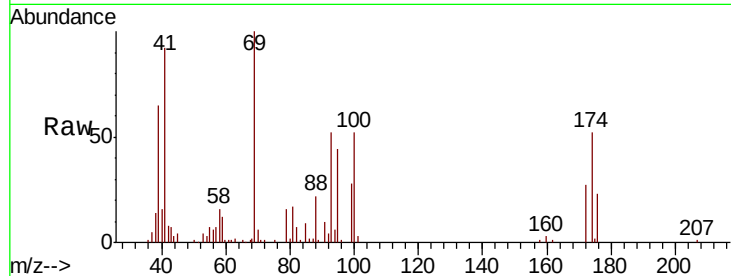




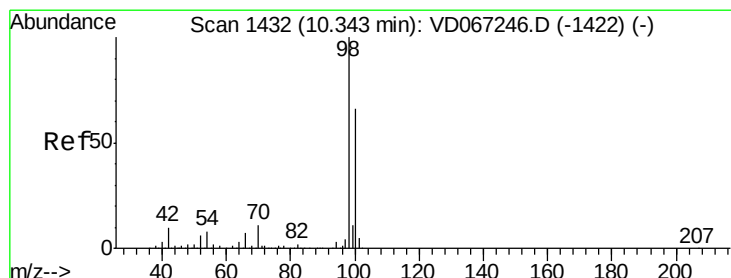
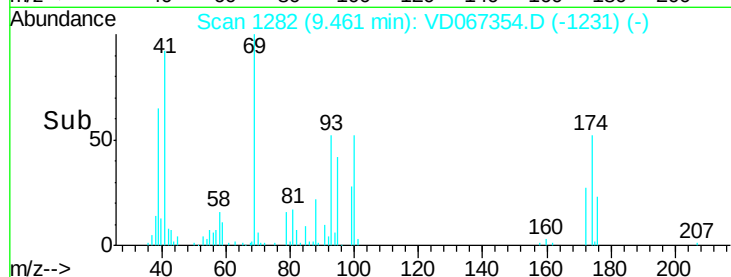
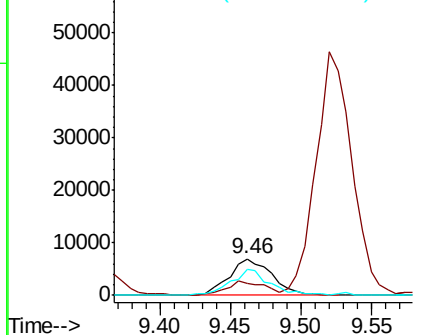
#49
1,4-Dioxane
Concen: 962.522 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 14855
Ion Ratio Lower Upper
88 100
43 34.2 23.9 35.9
58 65.9 51.0 76.6

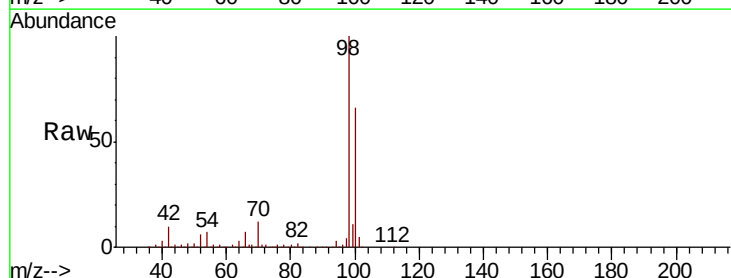


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

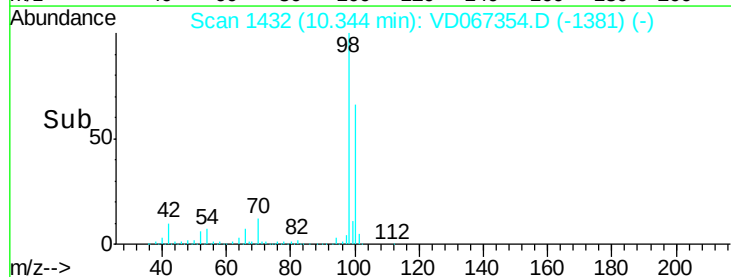
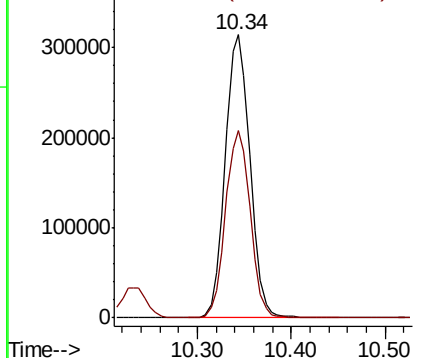


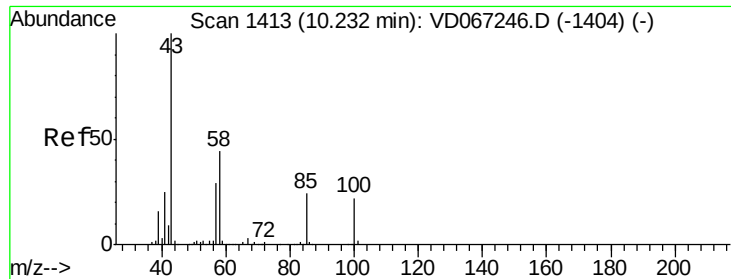
#50
Toluene-d8
Concen: 50.295 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 98 Resp: 574681
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



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





#51

4-Methyl-2-Pentanone

Concen: 244.295 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

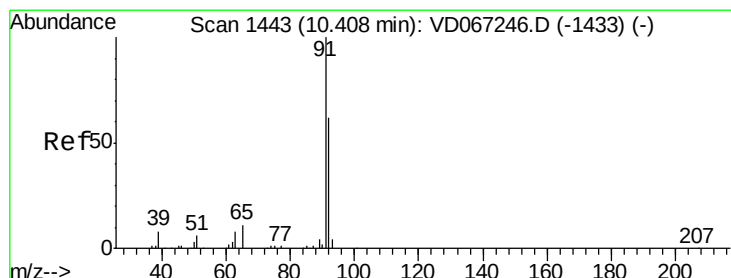
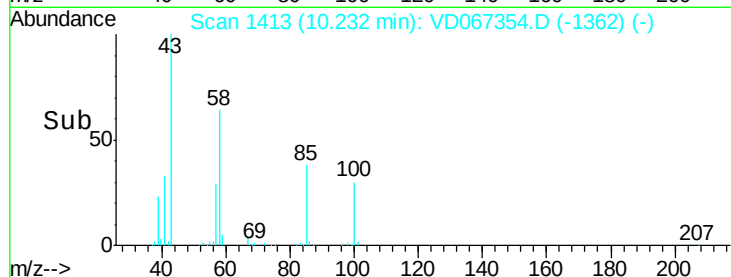
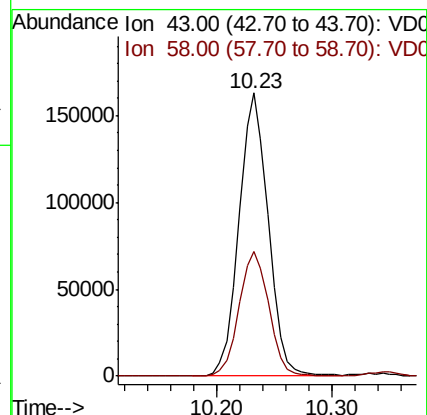
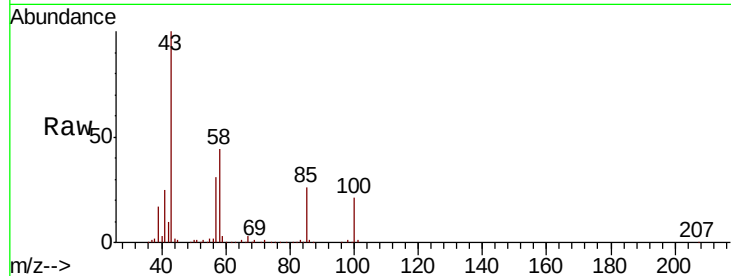
VSTDCCC050

Tot Ion: 43 Resp: 286043

Ion Ratio Lower Upper

43 100

58 44.7 35.7 53.5



#52

Toluene

Concen: 52.355 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067354.D

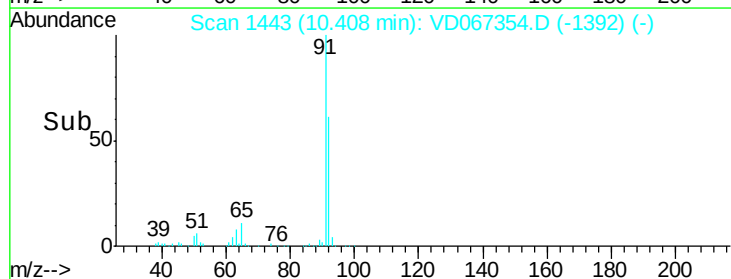
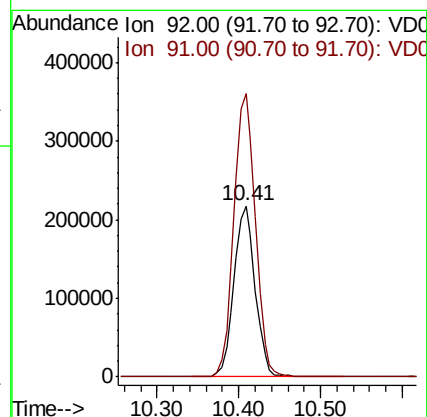
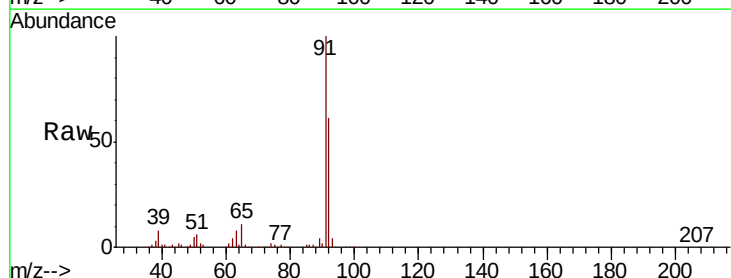
Acq: 22 Oct 2020 10:07

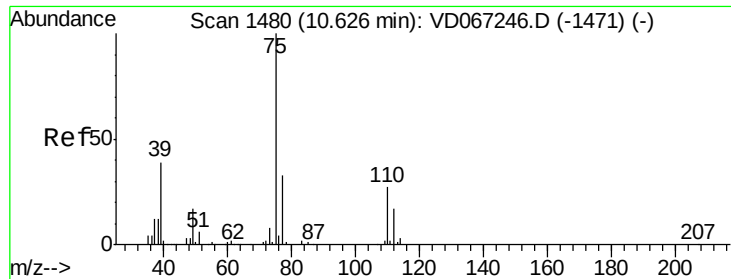
Tgt Ion: 92 Resp: 393377

Ion Ratio Lower Upper

92 100

91 168.4 133.8 200.8

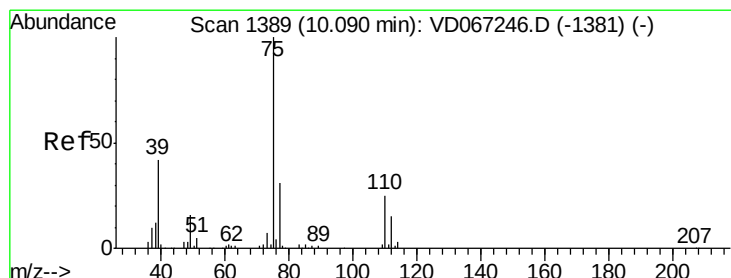
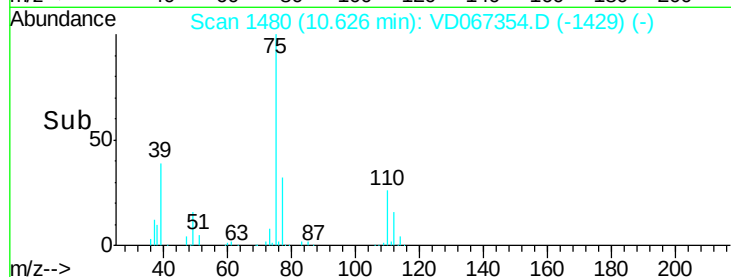
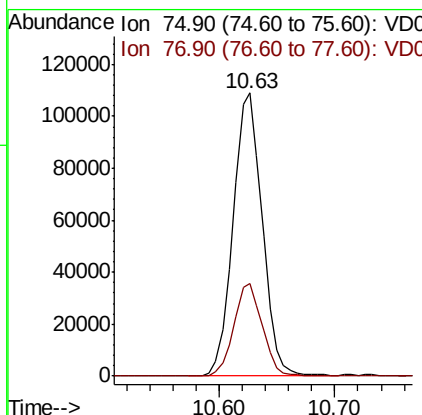
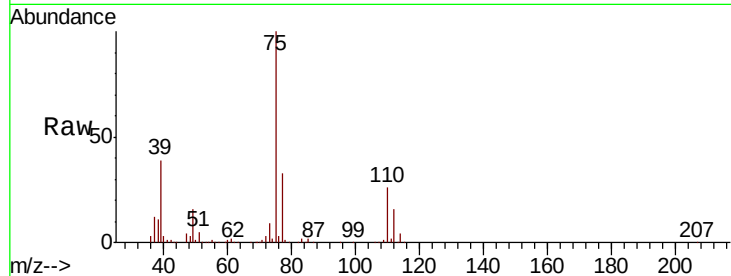




#53
t-1,3-Dichloropropene
Concen: 50.741 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

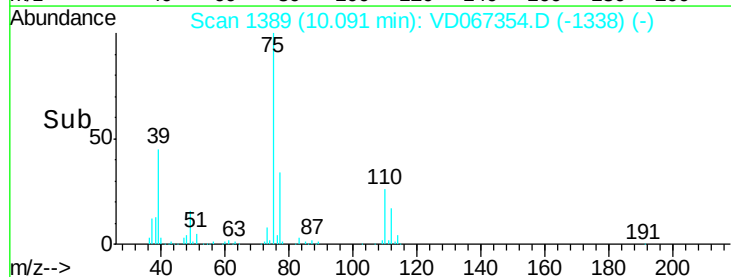
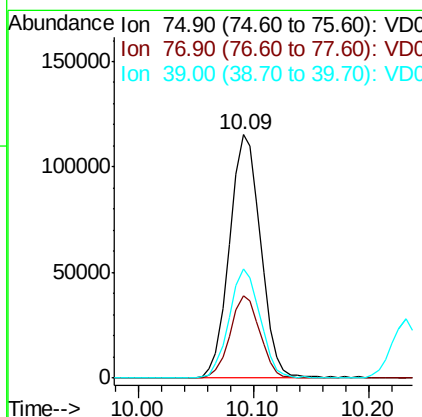
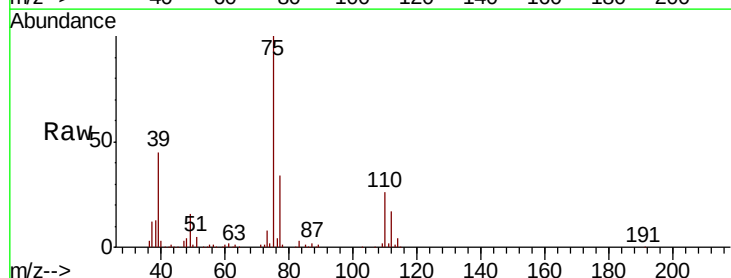
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

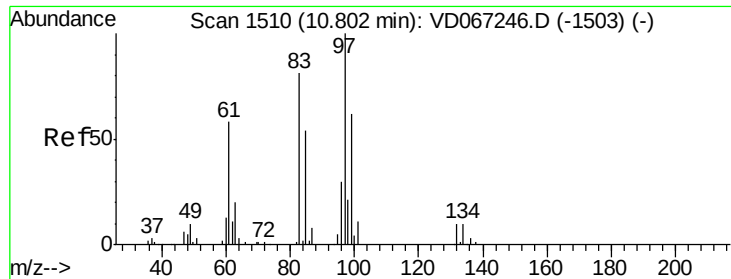
Tot Ion: 75 Resp: 190229
Ion Ratio Lower Upper
75 100
77 32.6 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 49.295 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 75 Resp: 216284
Ion Ratio Lower Upper
75 100
77 34.0 24.5 36.7
39 44.5 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 48.228 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 104759

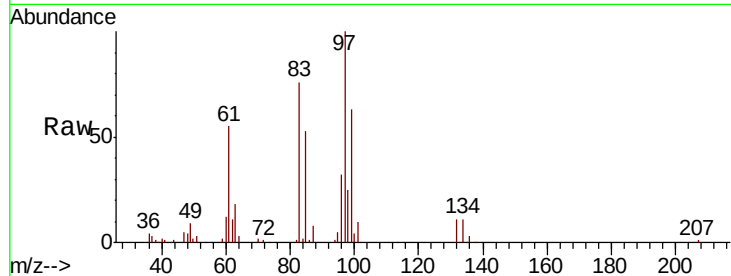
Ion	Ratio	Lower	Upper
97	100		
83	76.3	64.9	97.3
85	53.1	43.3	64.9
99	62.6	49.1	73.7

97 100

83 76.3 64.9 97.3

85 53.1 43.3 64.9

99 62.6 49.1 73.7



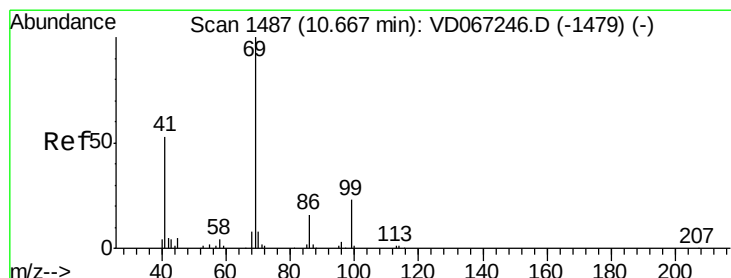
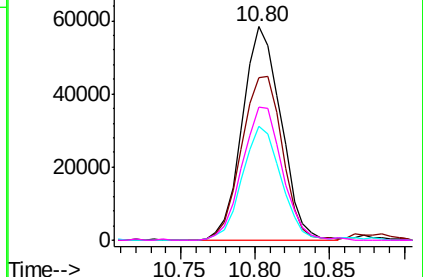
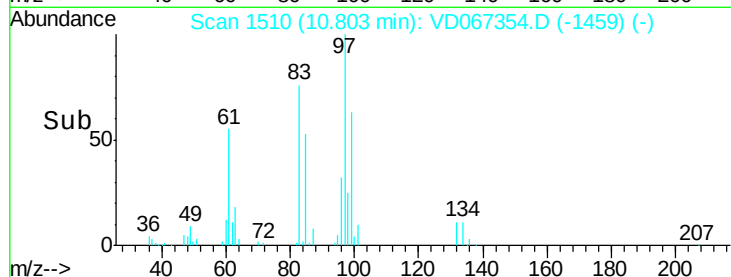
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Time-->



#56

Ethyl methacrylate

Concen: 50.283 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

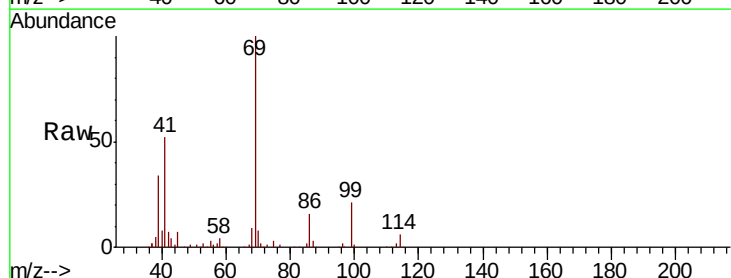
Tgt Ion: 69 Resp: 113277

Ion	Ratio	Lower	Upper
69	100		
41	54.2	44.7	67.1
39	32.8	26.2	39.2

69 100

41 54.2 44.7 67.1

39 32.8 26.2 39.2

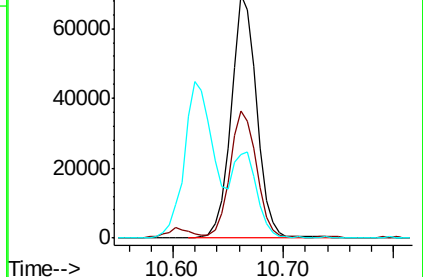
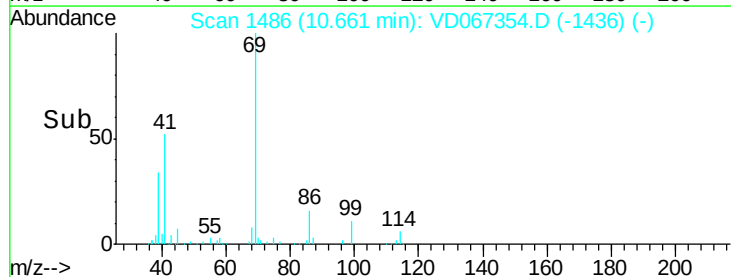


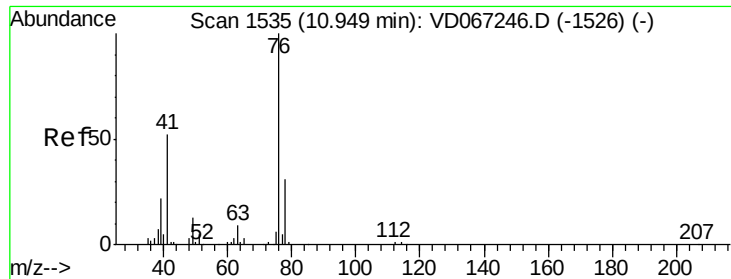
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 49.596 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

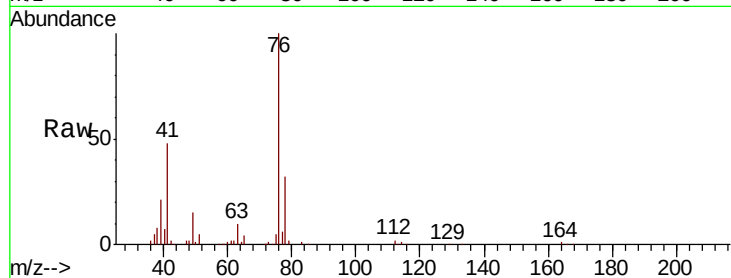
VSTDCCC050

Tot Ion: 76 Resp: 171444

Ion Ratio Lower Upper

76 100

78 31.4 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

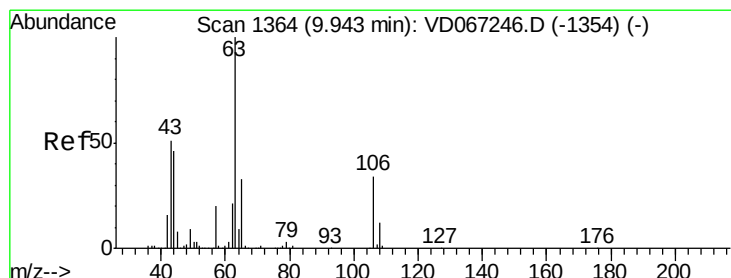
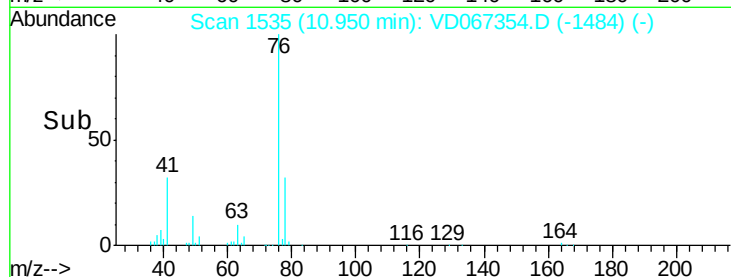
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 253.751 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067354.D

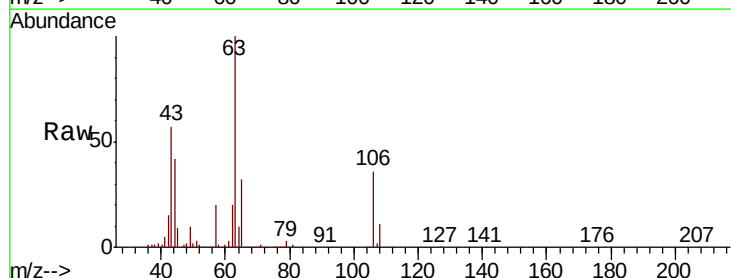
Acq: 22 Oct 2020 10:07

Tgt Ion: 63 Resp: 293252

Ion Ratio Lower Upper

63 100

106 35.7 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

200000

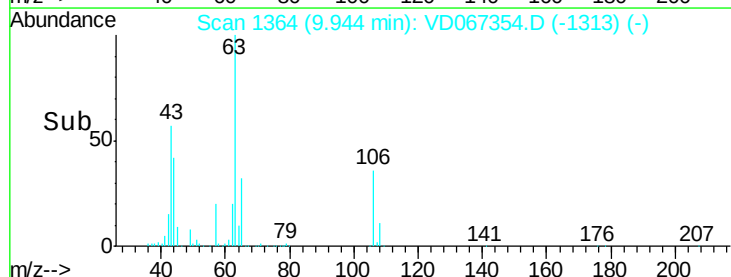
150000

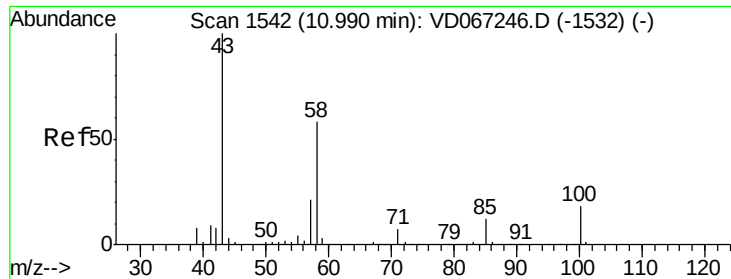
100000

50000

0

Time-->

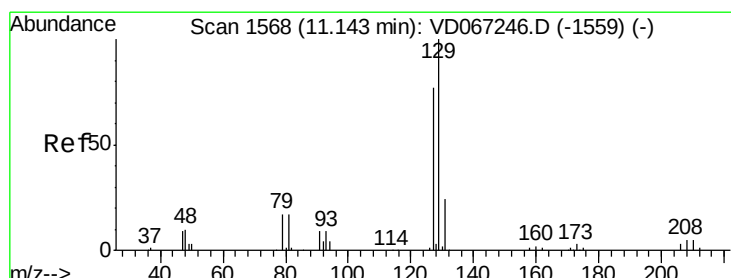
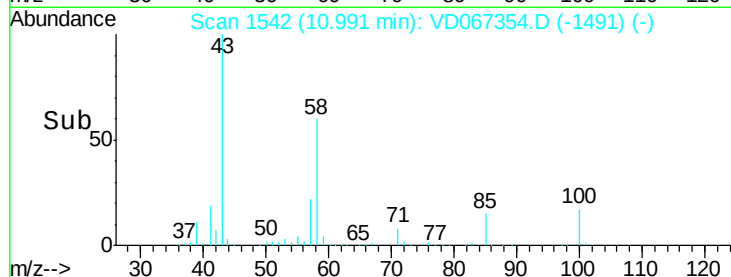
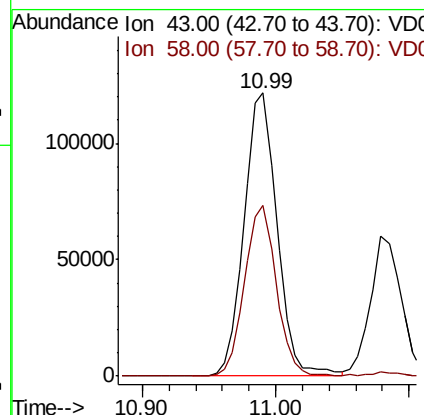
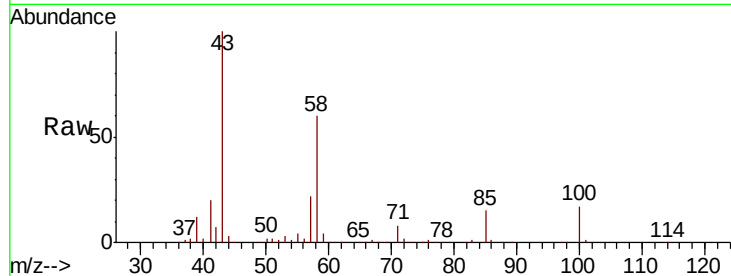




#59
2-Hexanone
Concen: 260.072 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

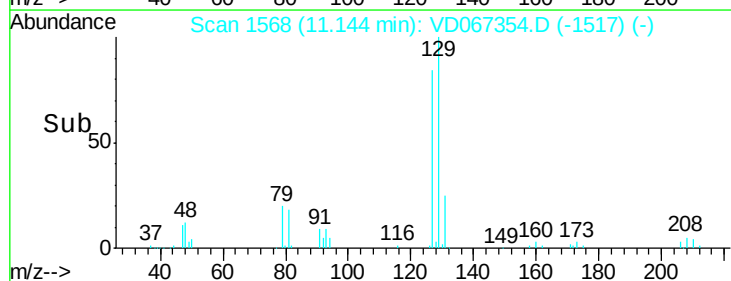
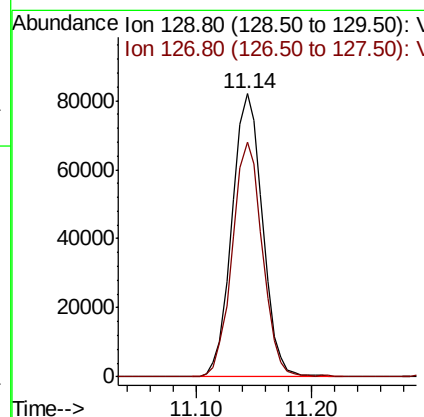
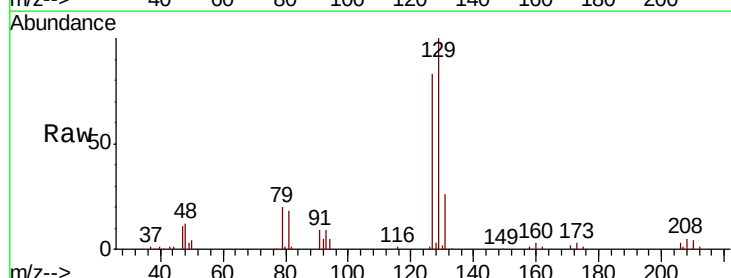
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

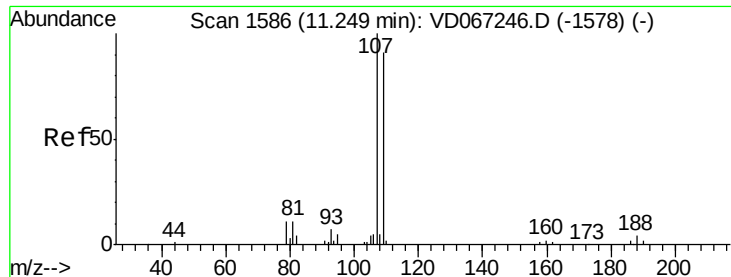
Tot Ion: 43 Resp: 208085
Ion Ratio Lower Upper
43 100
58 57.7 29.3 87.9



#60
Dibromochloromethane
Concen: 47.606 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion:129 Resp: 150807
Ion Ratio Lower Upper
129 100
127 81.3 38.3 114.8

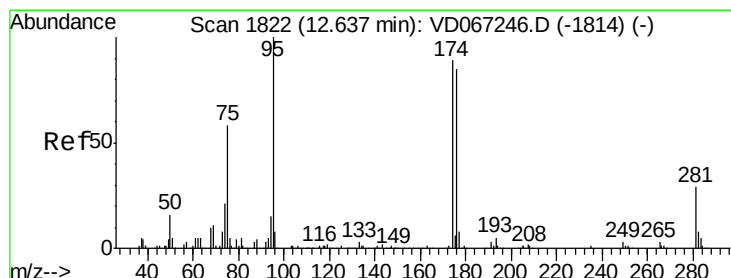
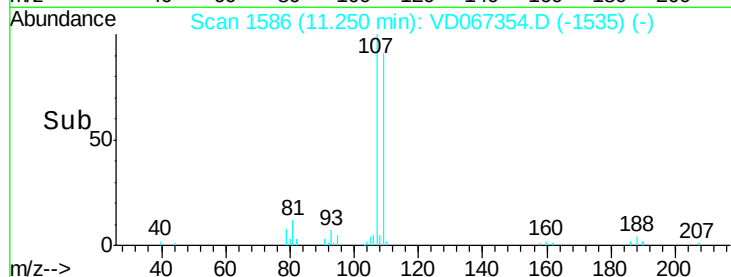
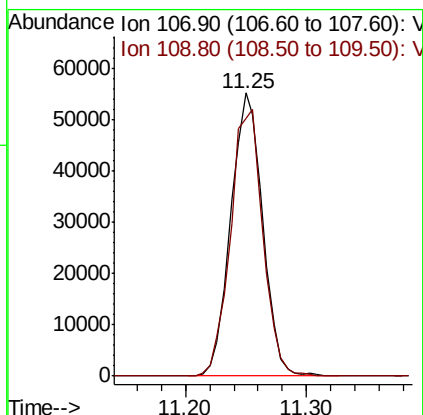
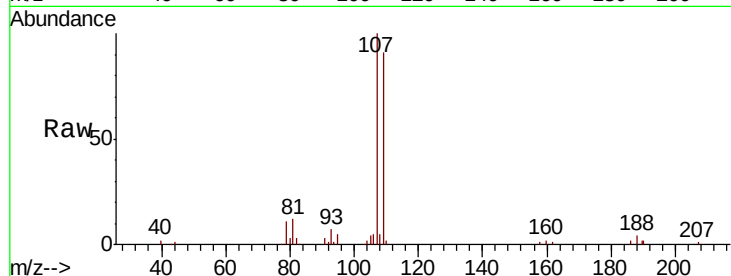




#61
 1,2-Dibromoethane
 Concen: 47.350 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

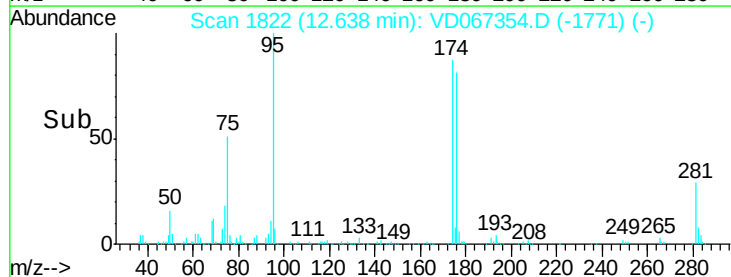
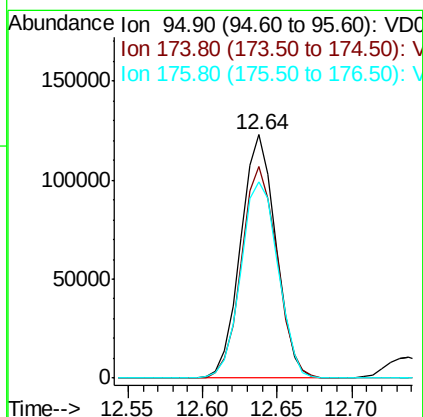
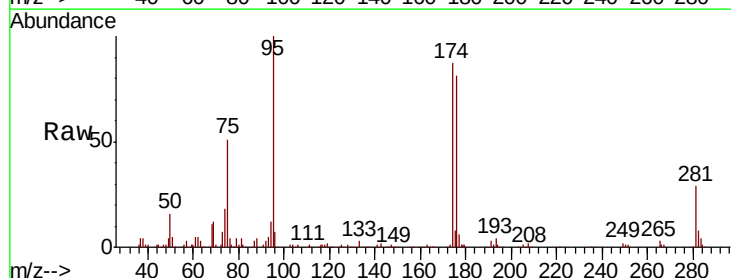
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

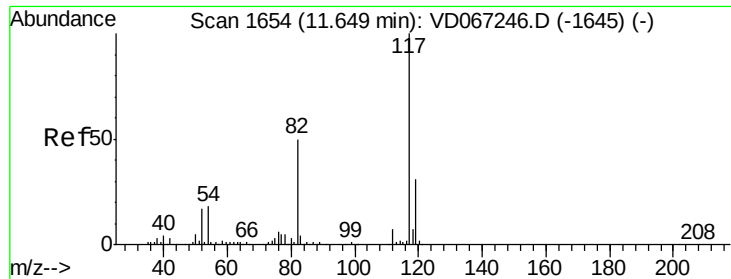
Tot Ion: 107 Resp: 101397
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.709 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion: 95 Resp: 201472
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 175.2
 176 84.4 0.0 168.6

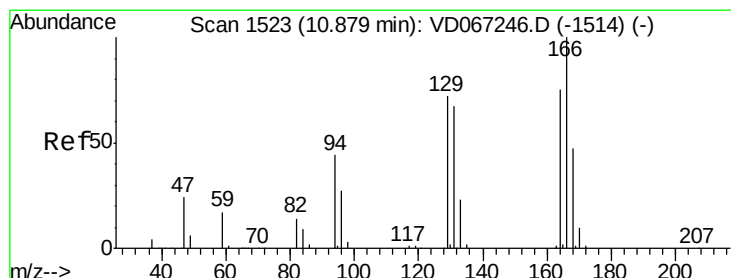
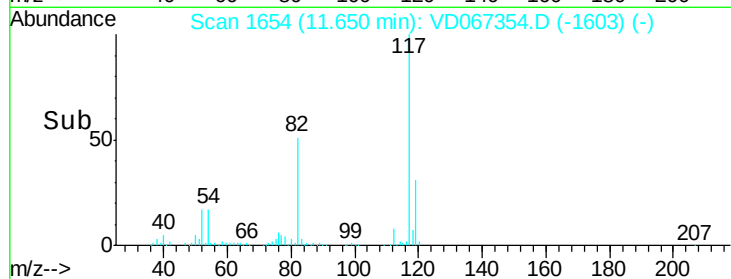
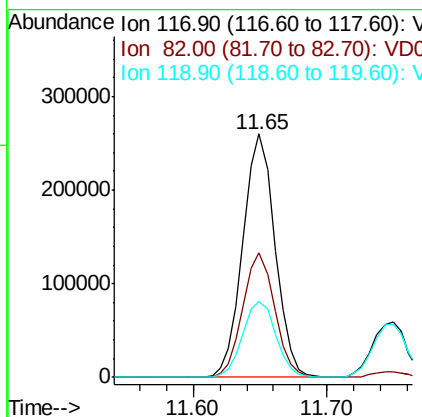
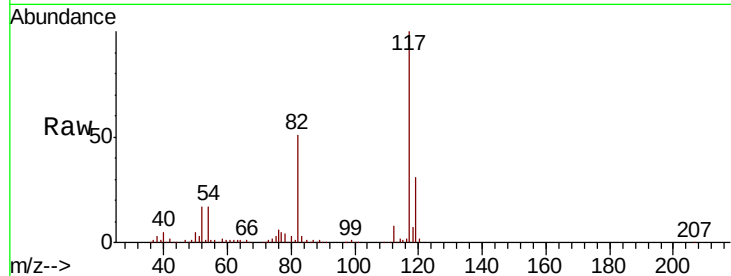




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

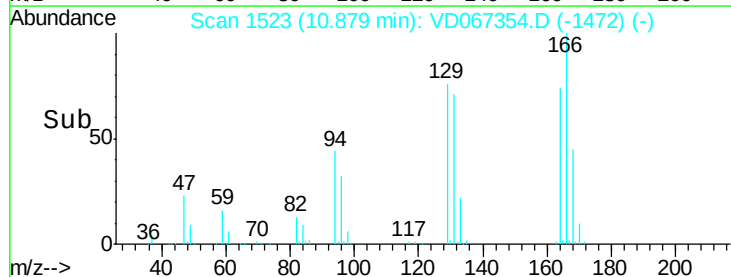
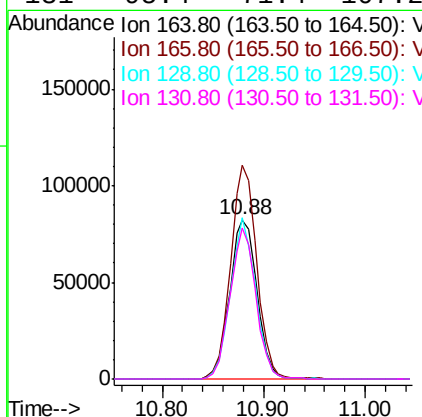
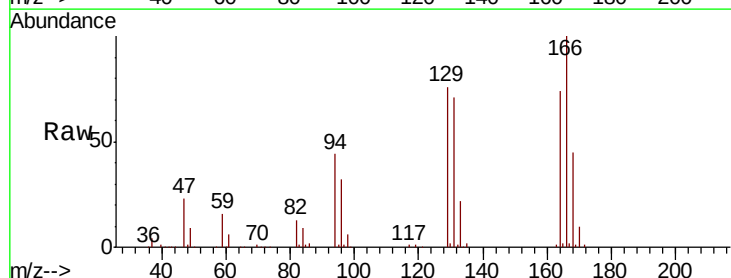
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

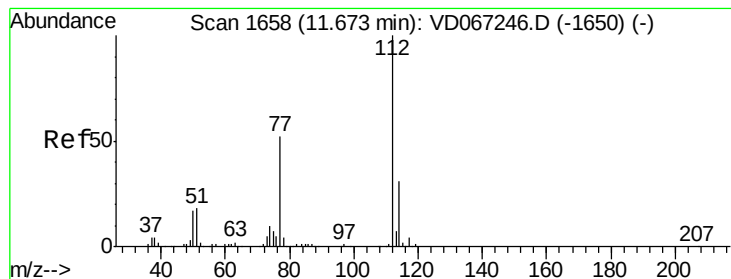
Tot Ion:117 Resp: 433940
Ion Ratio Lower Upper
117 100
82 51.0 39.9 59.9
119 31.2 24.9 37.3



#64
Tetrachloroethene
Concen: 49.023 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion:164 Resp: 154129
Ion Ratio Lower Upper
164 100
166 134.3 107.3 160.9
129 101.5 77.3 115.9
131 95.4 71.4 107.2





#65

Chlorobenzene

Concen: 50.015 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

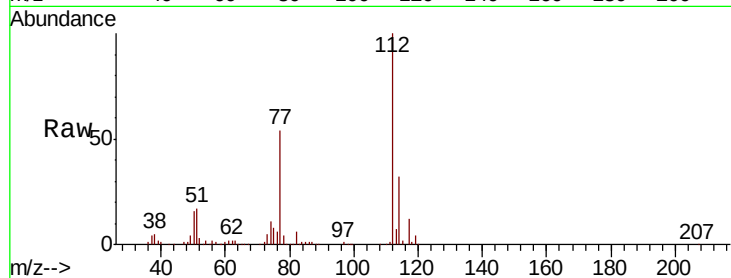
VSTDCCC050

Tot Ion:112 Resp: 416187

Ion Ratio Lower Upper

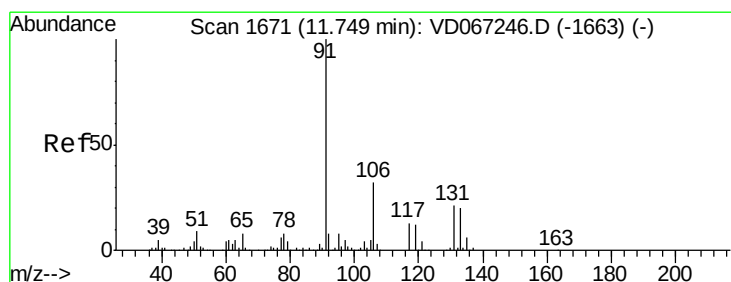
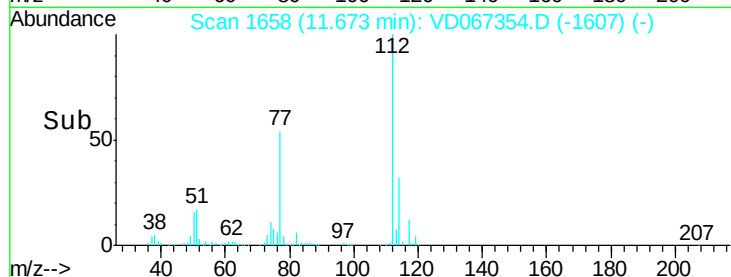
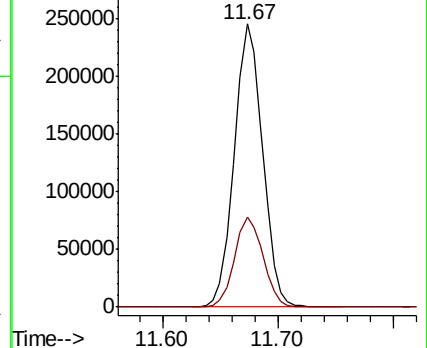
112 100

114 31.8 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.867 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

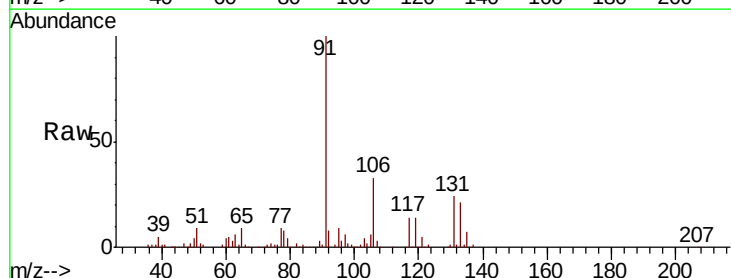
Tgt Ion:131 Resp: 171536

Ion Ratio Lower Upper

131 100

133 92.9 48.1 144.3

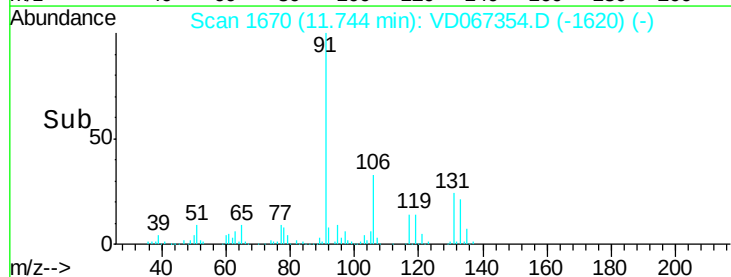
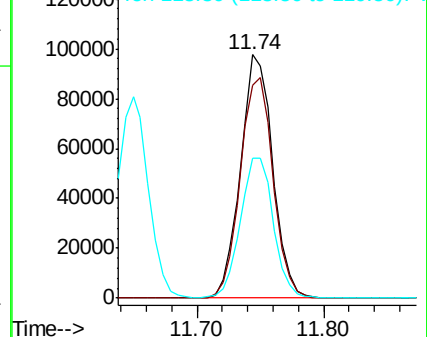
119 59.2 30.0 90.0

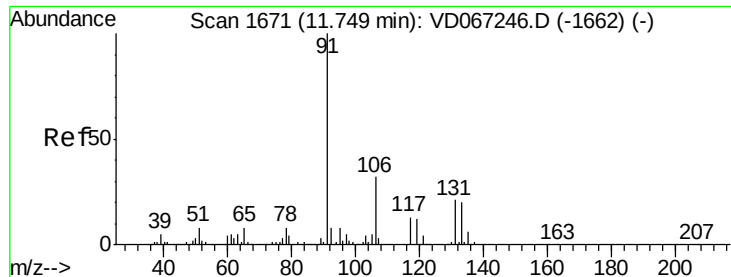


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.537 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

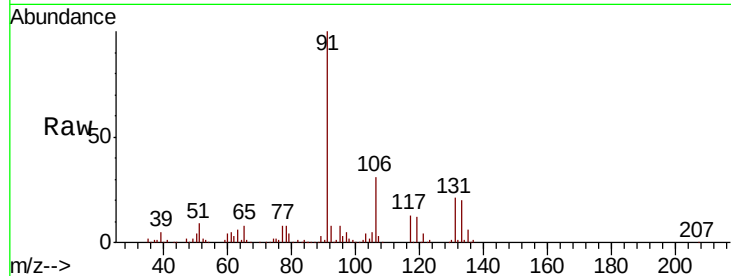
VSTDCCC050

Tot Ion: 91 Resp: 735142

Ion Ratio Lower Upper

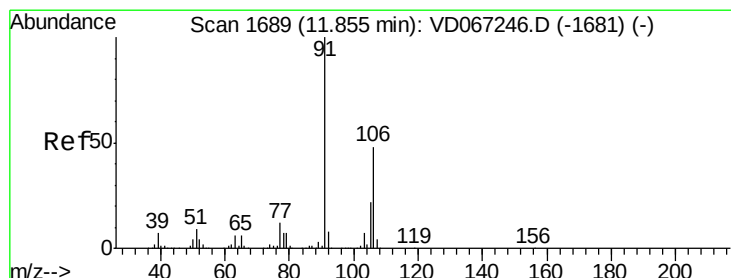
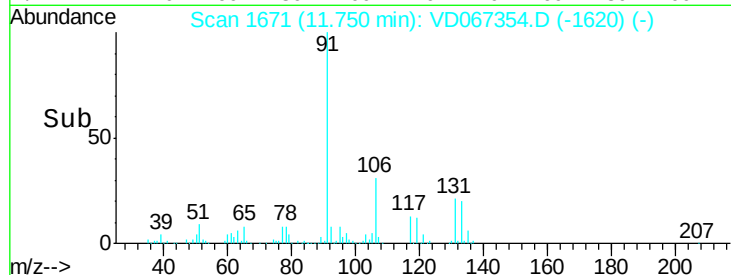
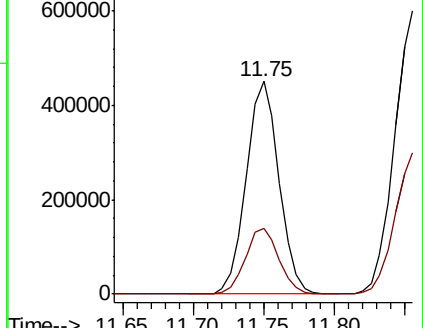
91 100

106 31.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 103.779 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067354.D

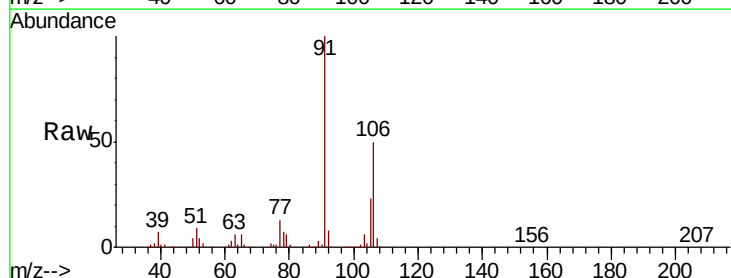
Acq: 22 Oct 2020 10:07

Tgt Ion: 106 Resp: 570050

Ion Ratio Lower Upper

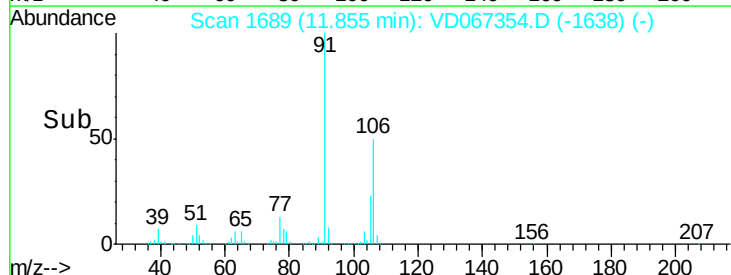
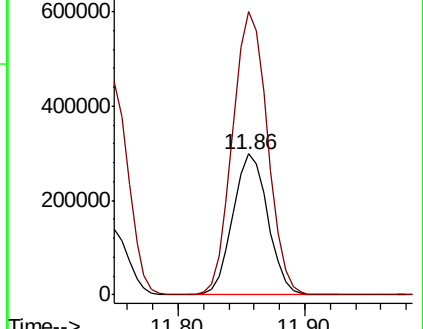
106 100

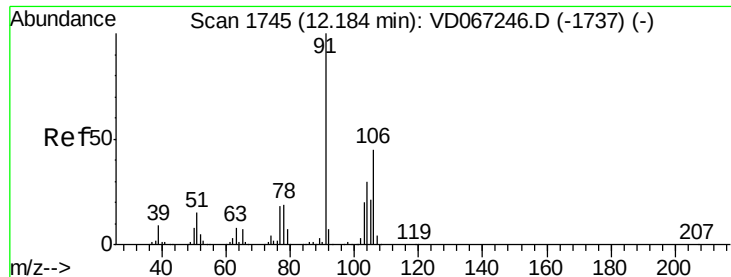
91 201.7 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

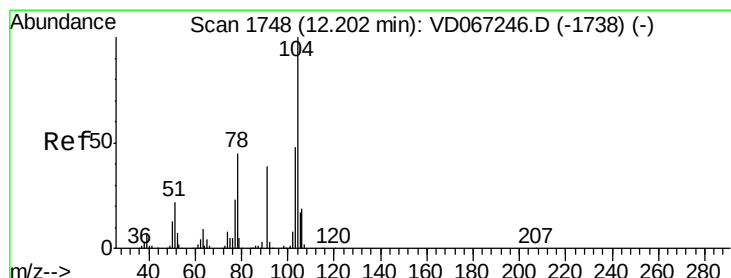
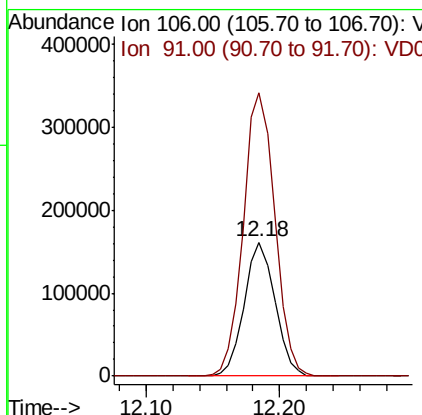
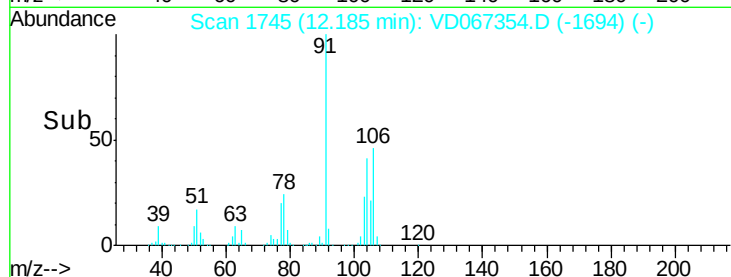
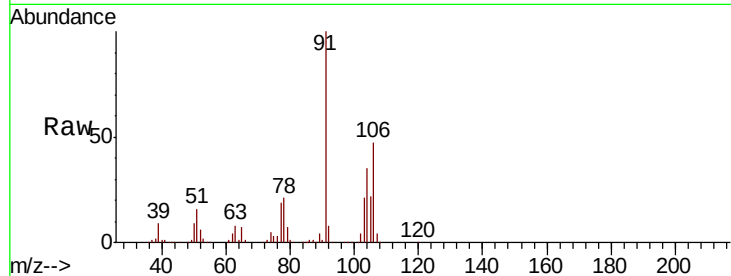




#69
o-Xylene
Concen: 50.567 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

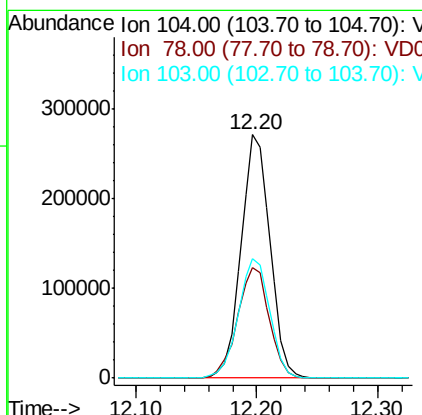
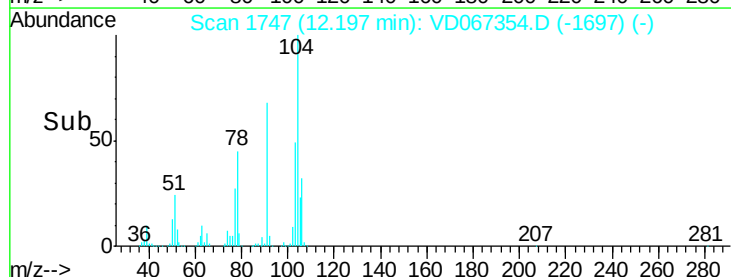
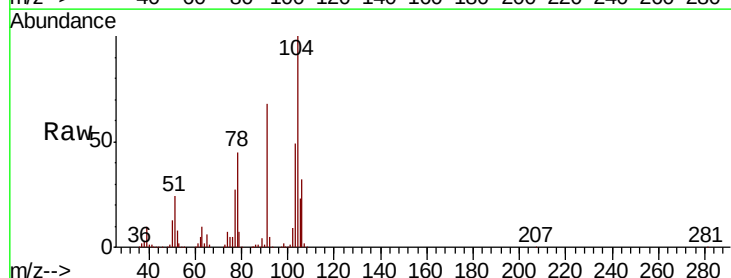
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

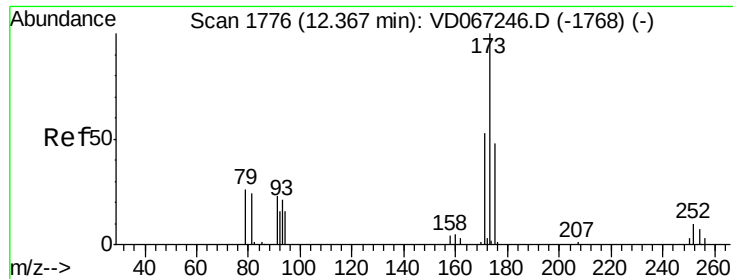
Tot Ion:106 Resp: 257211
Ion Ratio Lower Upper
106 100
91 216.4 109.1 327.3



#70
Styrene
Concen: 51.870 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion:104 Resp: 454180
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.6
103 53.3 42.6 64.0

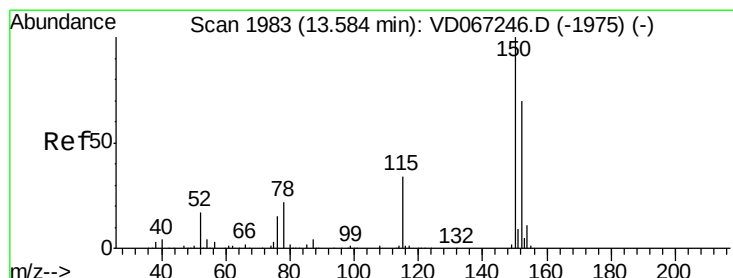
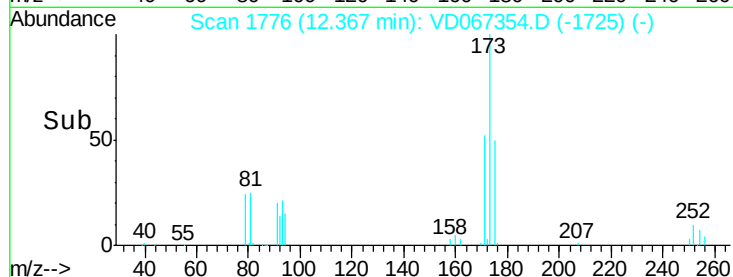
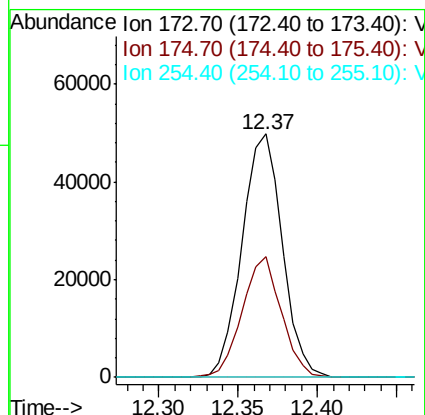
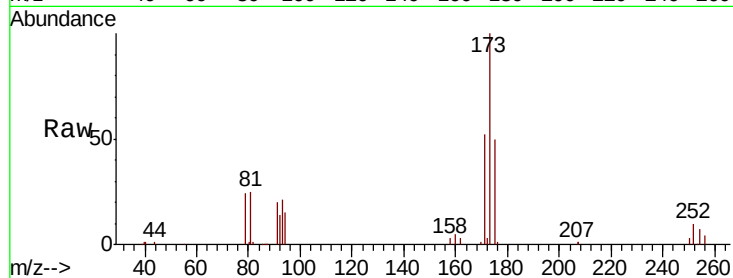




#71
Bromoform
Concen: 49.520 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

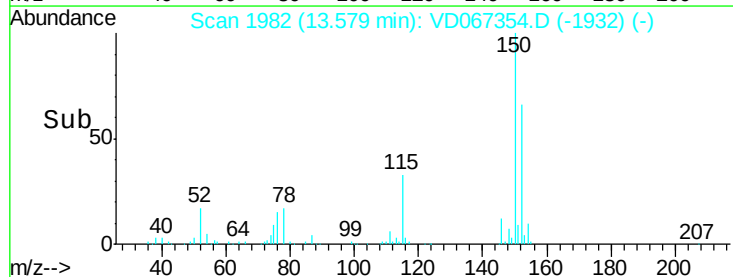
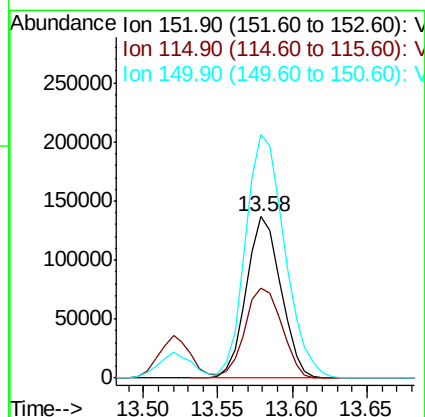
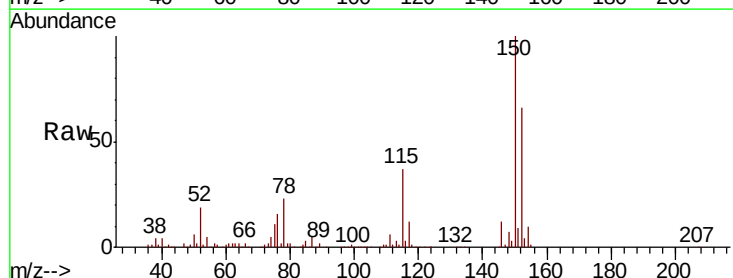
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

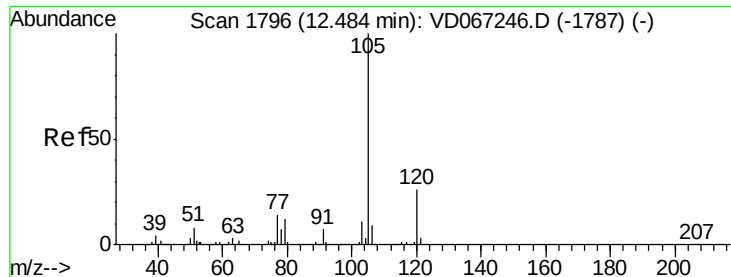
Tot Ion:173 Resp: 87983
Ion Ratio Lower Upper
173 100
175 48.2 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion:152 Resp: 218941
Ion Ratio Lower Upper
152 100
115 59.1 29.3 87.9
150 171.5 0.0 339.0





#73

Isopropylbenzene

Concen: 53.195 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

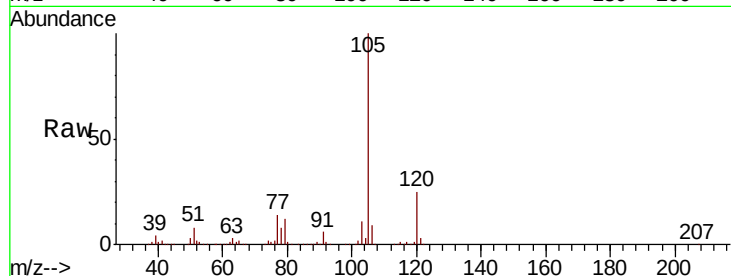
VSTDCCC050

Tot Ion:105 Resp: 739174

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

500000

400000

300000

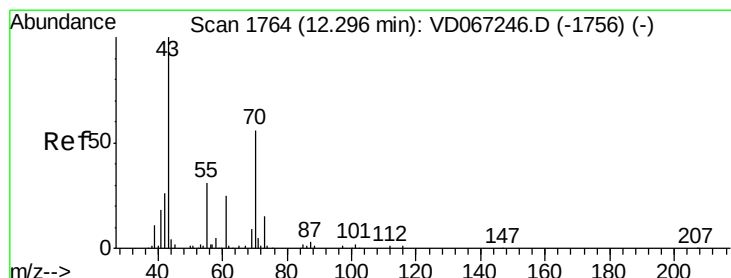
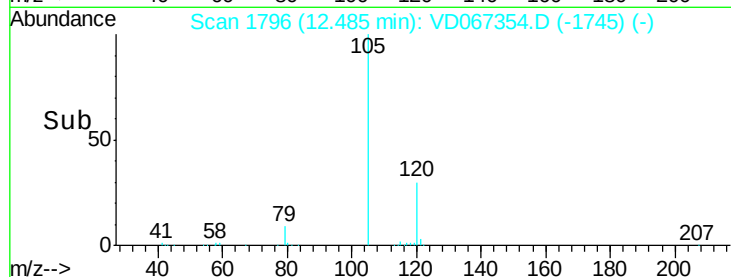
200000

100000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 49.689 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Tgt Ion: 43 Resp: 104281

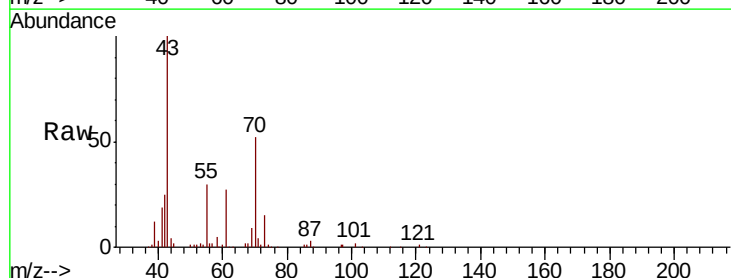
Ion Ratio Lower Upper

43 100

70 51.0 42.7 64.1

55 29.5 24.0 36.0

61 27.3 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

80000

60000

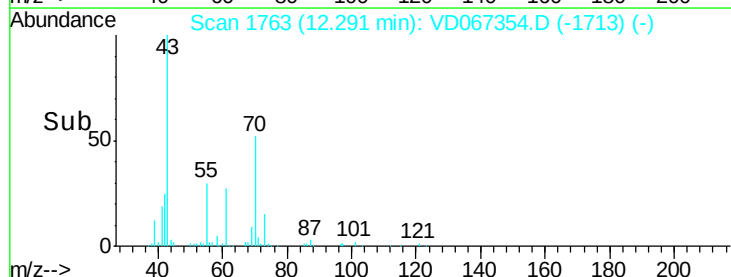
40000

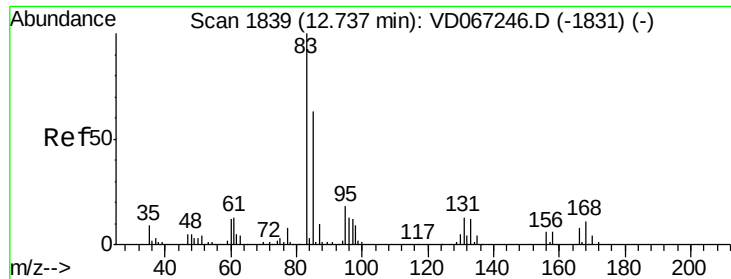
20000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 48.496 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

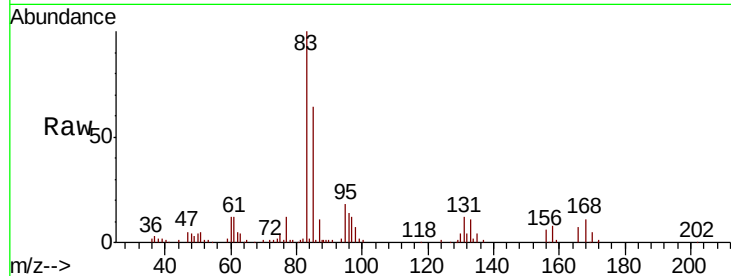
Tot Ion: 83 Resp: 103252

Ion Ratio Lower Upper

83 100

131 13.1 6.5 19.5

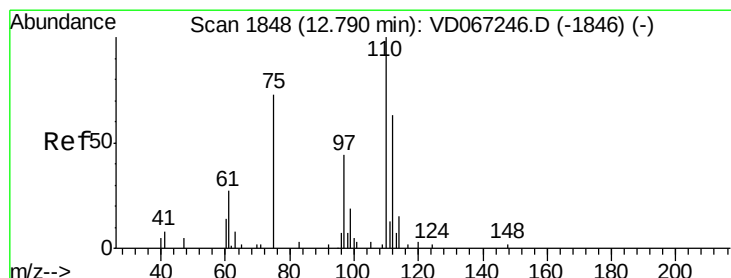
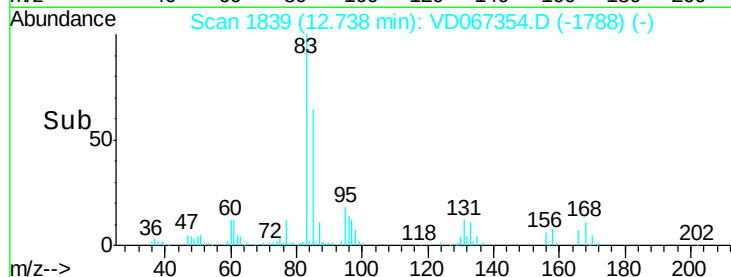
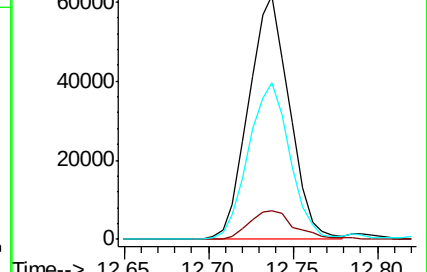
85 65.2 32.6 97.7



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: 90.586 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067354.D

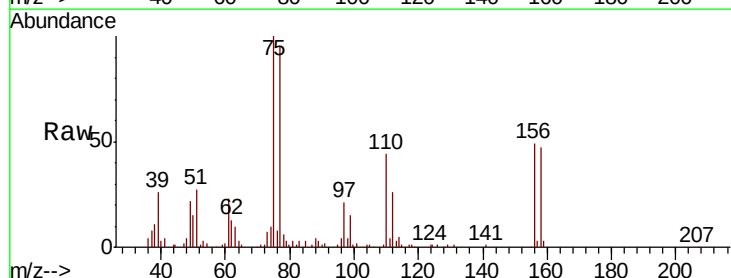
Acq: 22 Oct 2020 10:07

Tgt Ion: 75 Resp: 137461

Ion Ratio Lower Upper

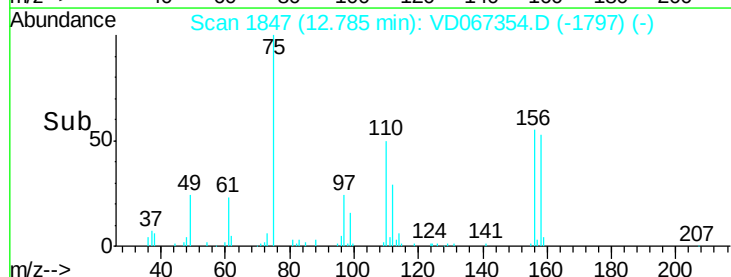
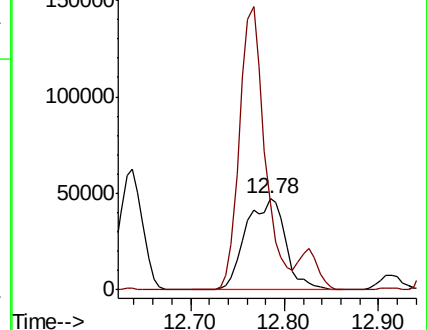
75 100

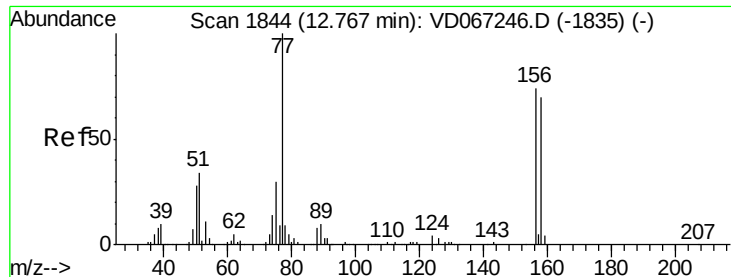
77 201.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.842 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

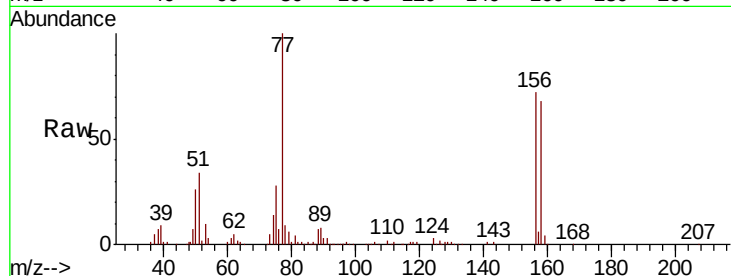
Tot Ion:156 Resp: 176129

Ion Ratio Lower Upper

156 100

77 157.4 78.0 233.8

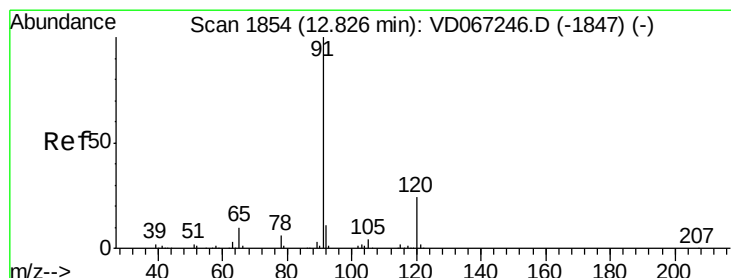
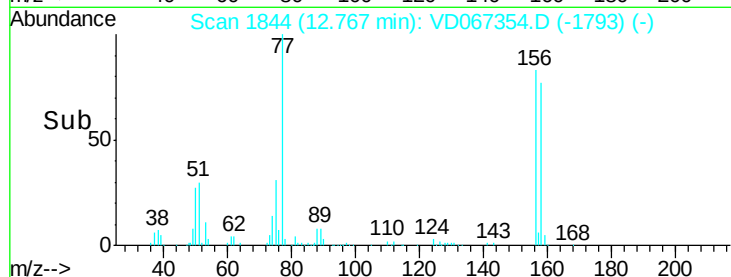
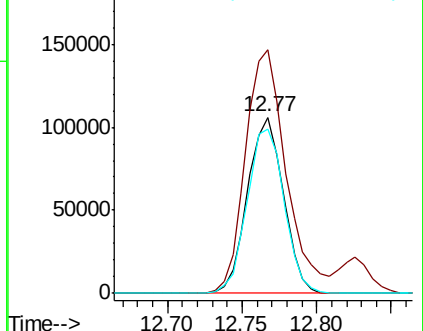
158 96.5 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.682 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067354.D

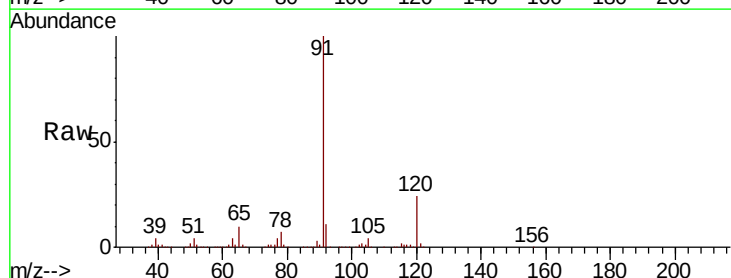
Acq: 22 Oct 2020 10:07

Tgt Ion: 91 Resp: 848158

Ion Ratio Lower Upper

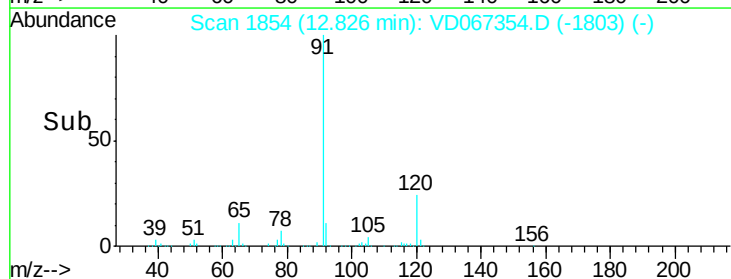
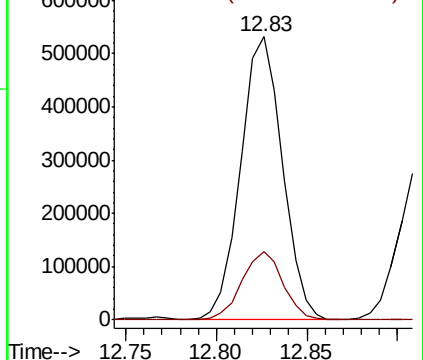
91 100

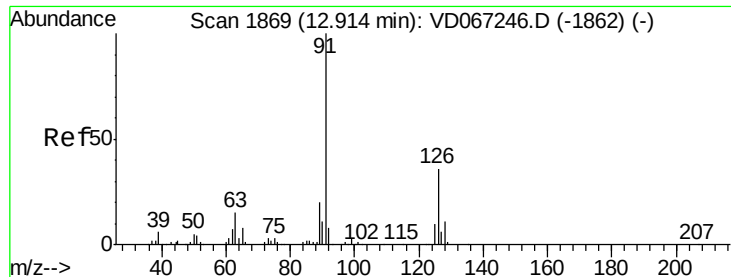
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.245 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

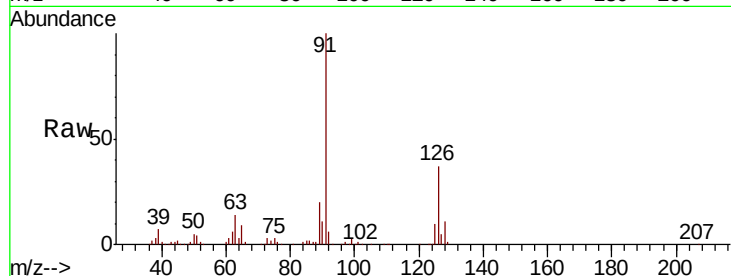
VSTDCCC050

Tot Ion: 91 Resp: 478447

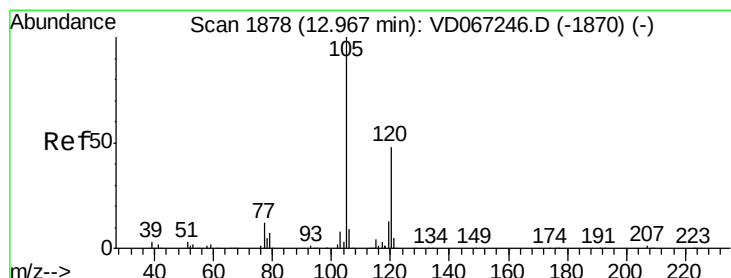
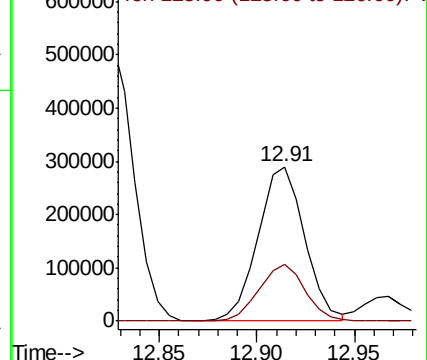
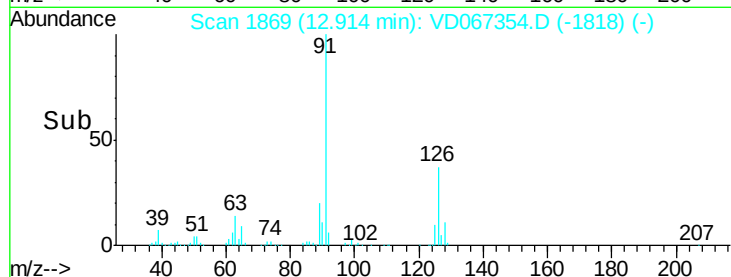
Ion Ratio Lower Upper

91 100

126 36.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD067354.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.393 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067354.D

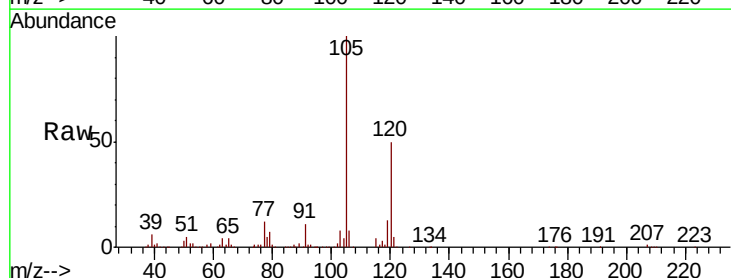
Acq: 22 Oct 2020 10:07

Tgt Ion: 105 Resp: 632643

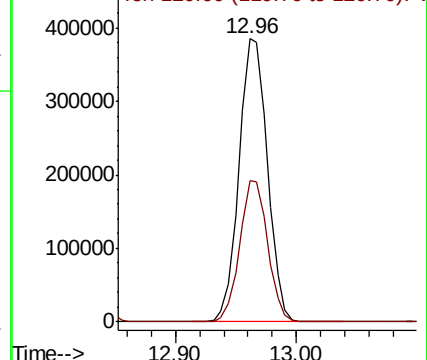
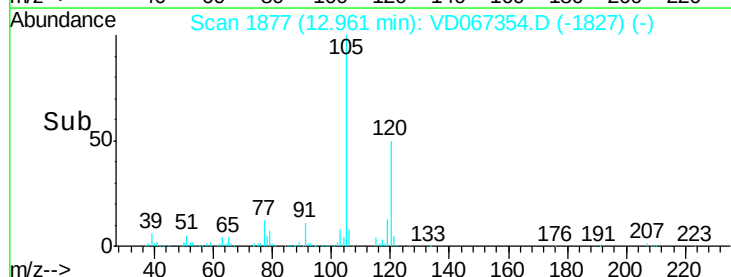
Ion Ratio Lower Upper

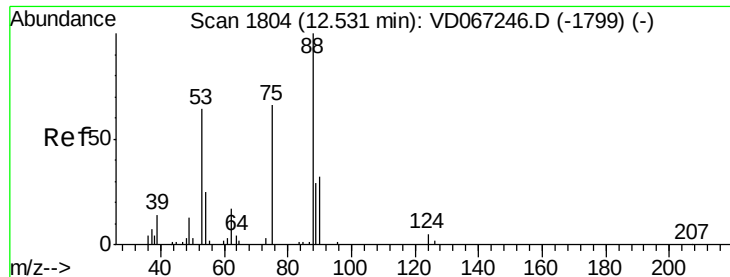
105 100

120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067354.D (-1827) (-)

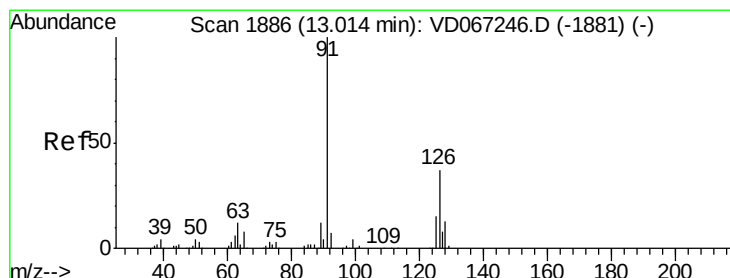
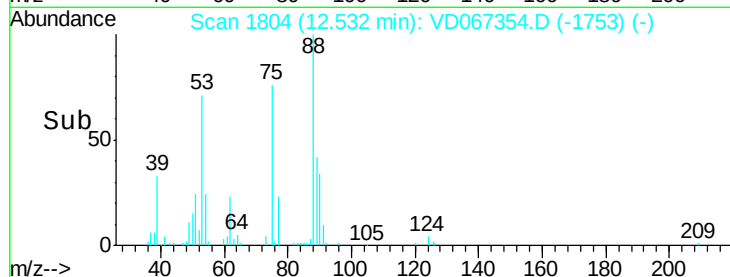
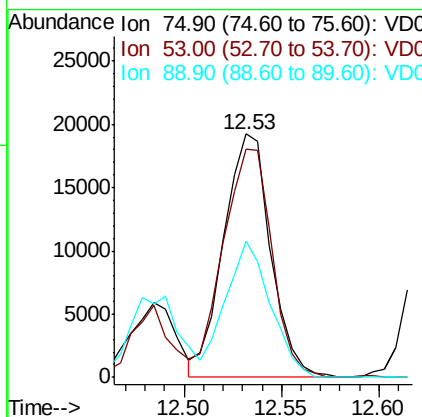
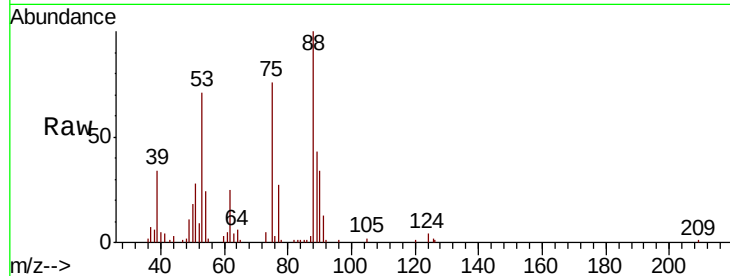




#81
trans-1,4-Dichloro-2-butene
Concen: 48.055 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

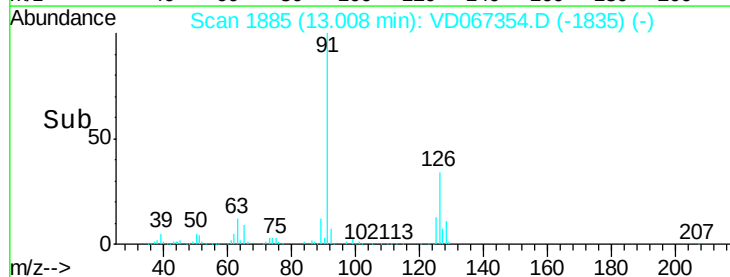
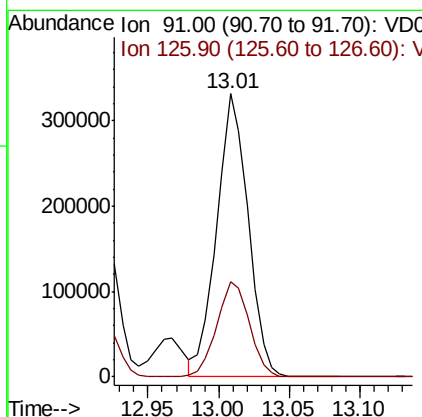
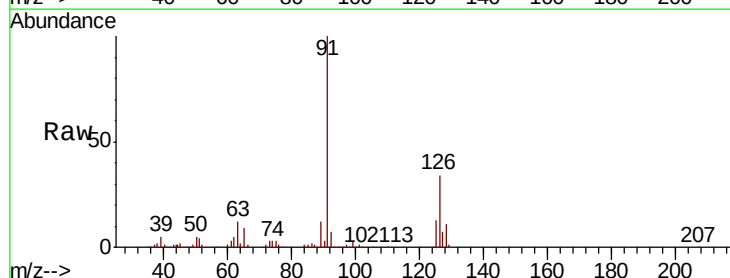
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

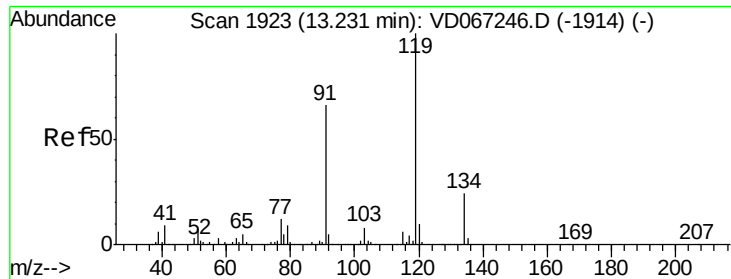
Tot Ion: 75 Resp: 32157
Ion Ratio Lower Upper
75 100
53 97.0 78.5 117.7
89 53.6 39.9 59.9



#82
4-Chlorotoluene
Concen: 51.860 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 91 Resp: 513893
Ion Ratio Lower Upper
91 100
126 35.0 17.8 53.5

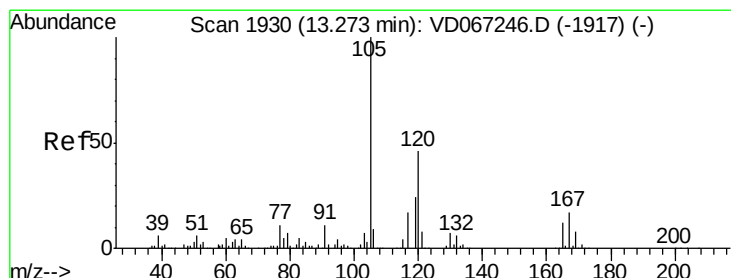
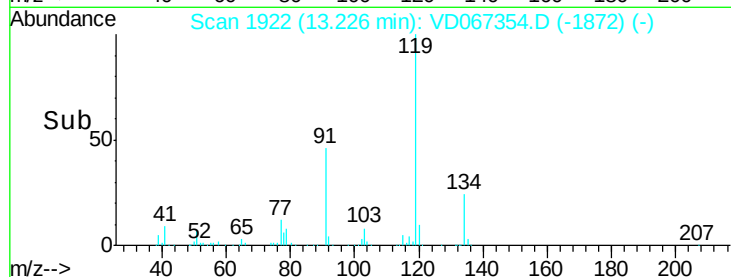
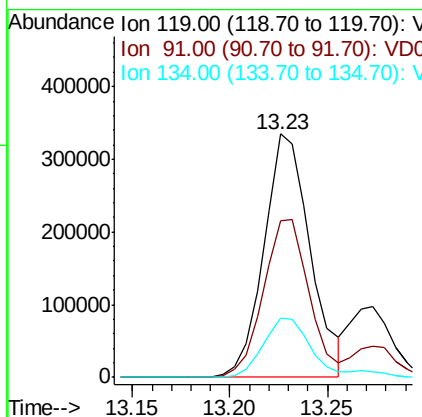
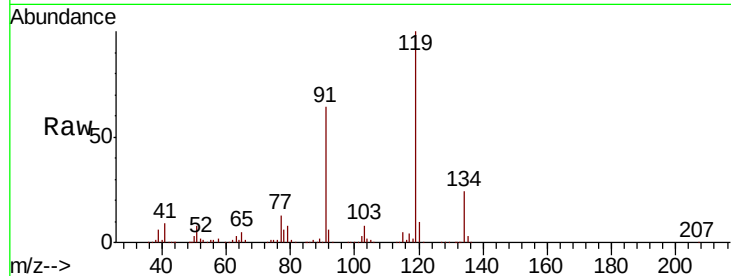




#83
 tert-Butylbenzene
 Concen: 54.066 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

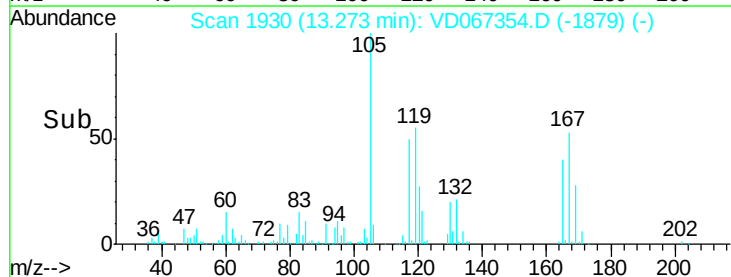
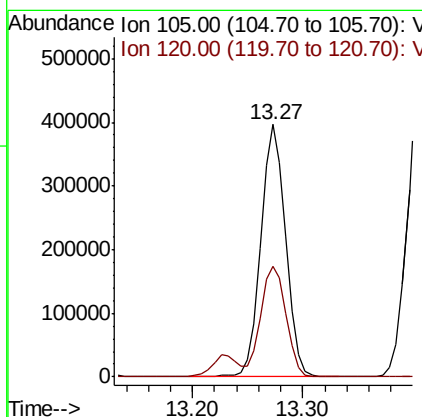
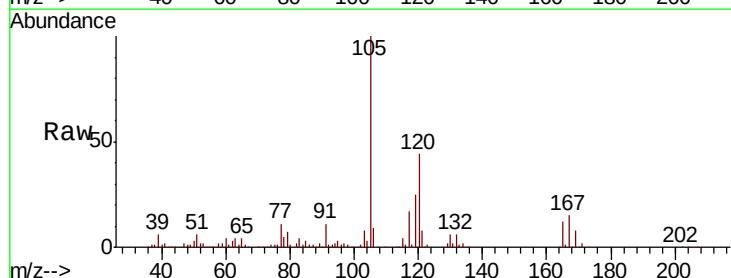
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

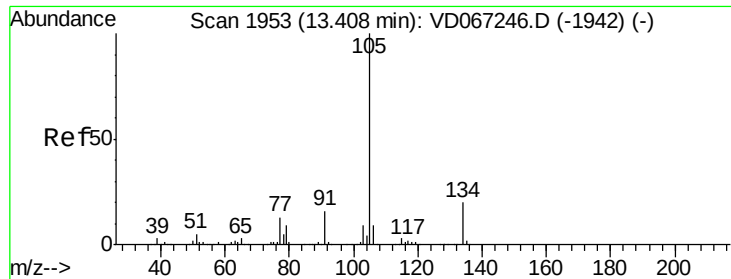
Tot Ion:119 Resp: 551471
 Ion Ratio Lower Upper
 119 100
 91 64.1 33.1 99.2
 134 24.8 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.389 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion:105 Resp: 625242
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 52.392 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

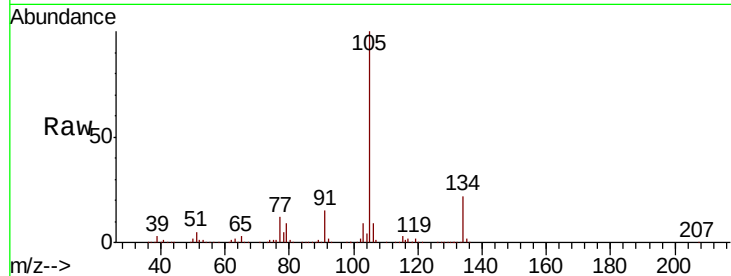
VSTDCCC050

Tot Ion:105 Resp: 733268

Ion Ratio Lower Upper

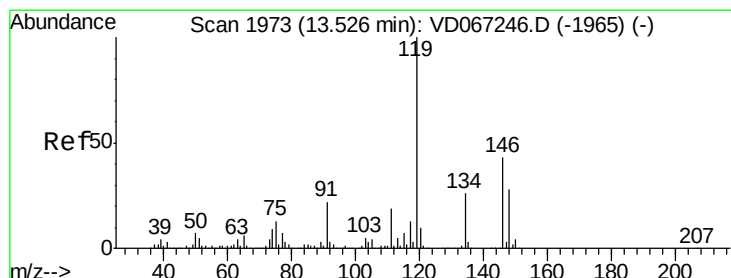
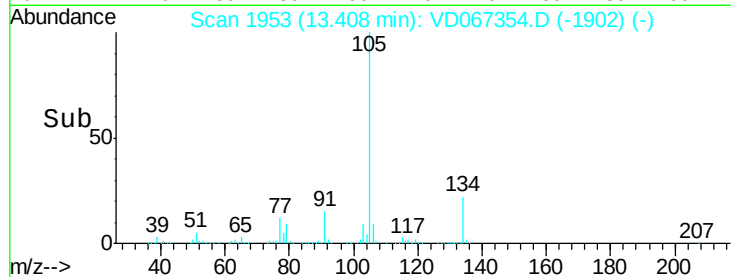
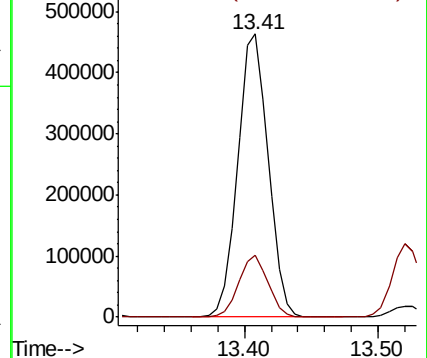
105 100

134 21.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.631 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

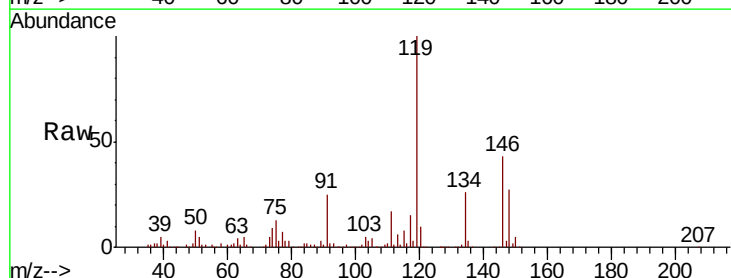
Tgt Ion:119 Resp: 695279

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

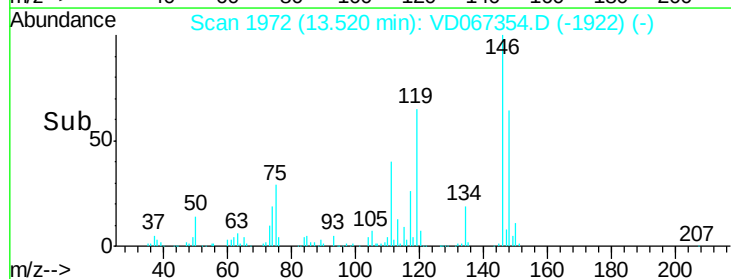
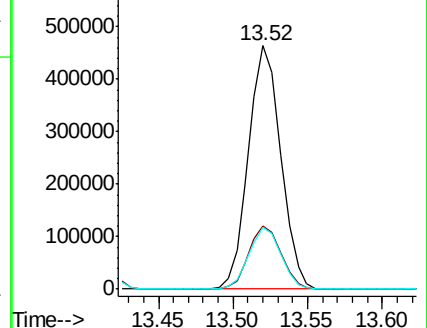
91 25.4 11.9 35.9

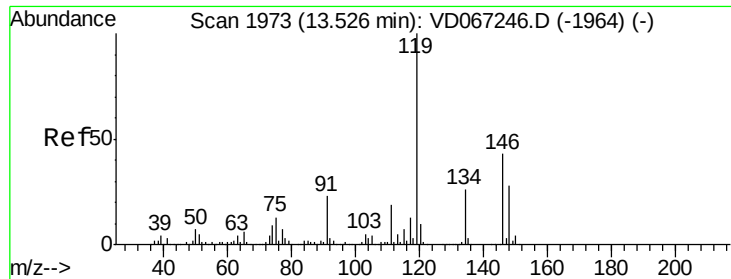


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

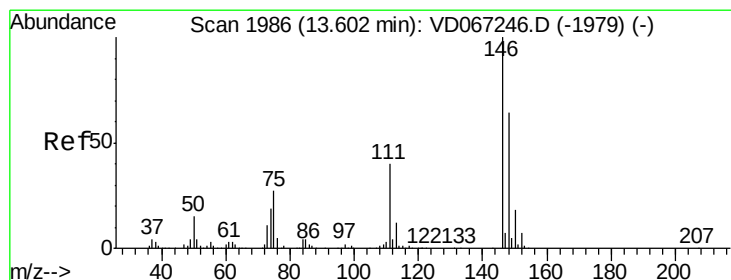
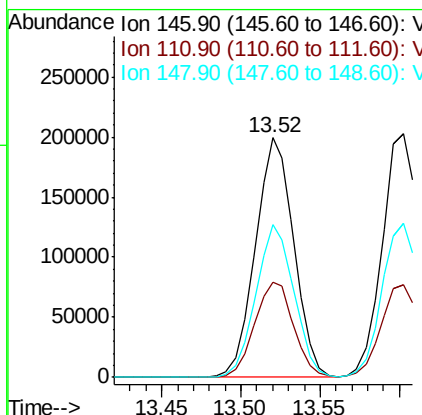
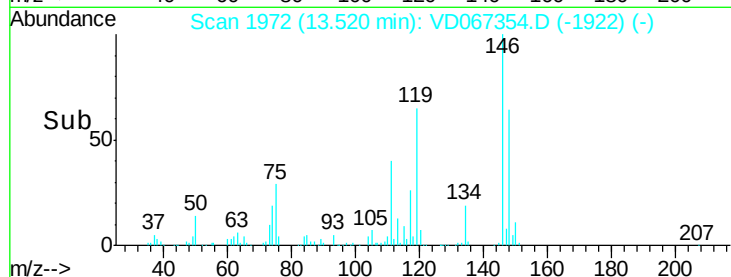
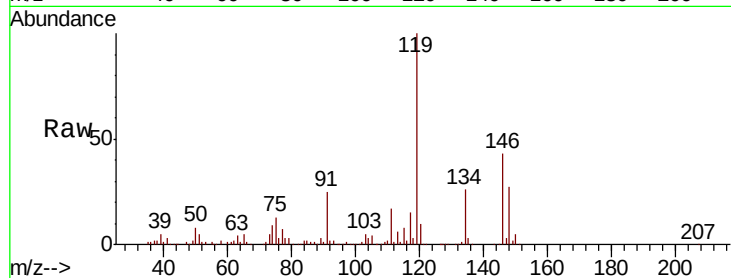




#87
 1,3-Dichlorobenzene
 Concen: 50.350 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

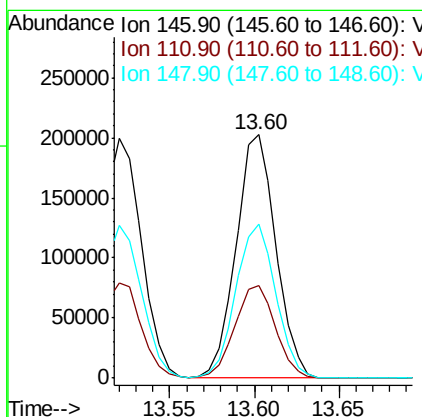
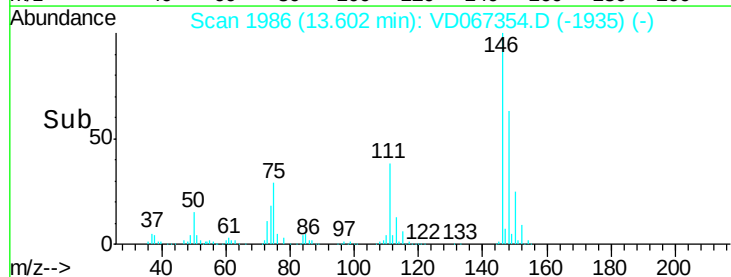
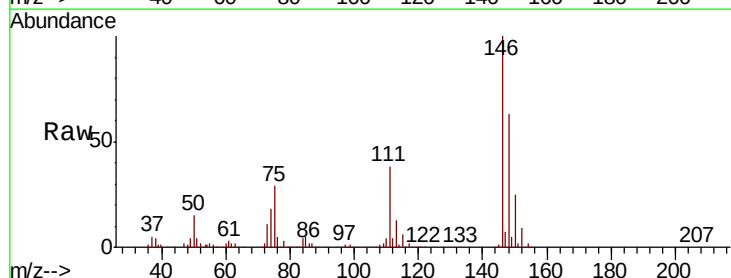
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

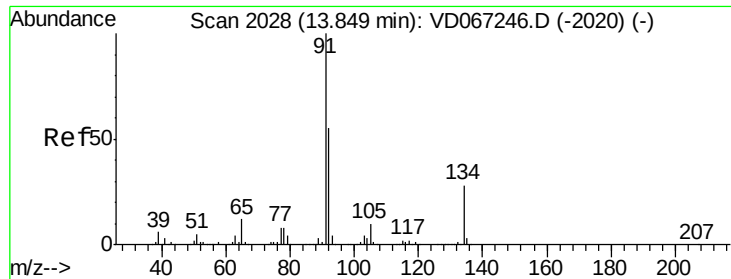
Tot Ion:146 Resp: 335733
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.1 63.3
 148 63.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.411 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion:146 Resp: 333028
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.9 59.7
 148 63.4 31.9 95.9

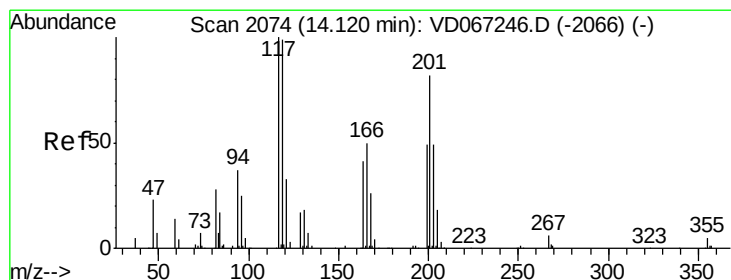
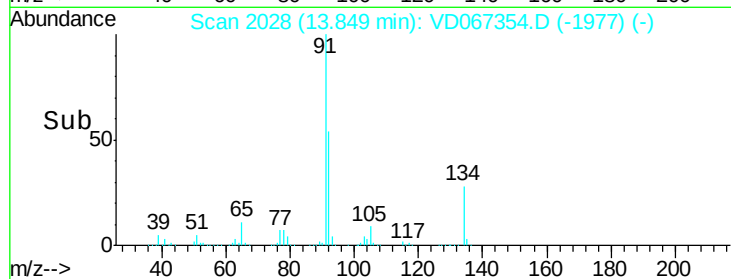
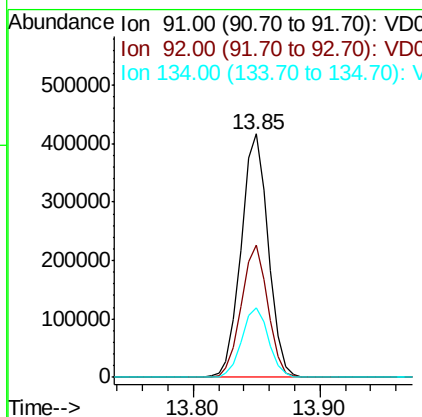
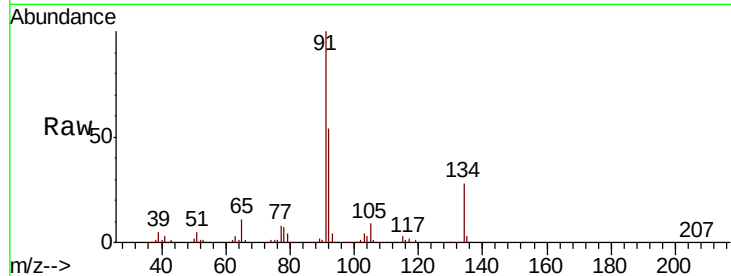




#89
n-Butylbenzene
Concen: 52.998 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

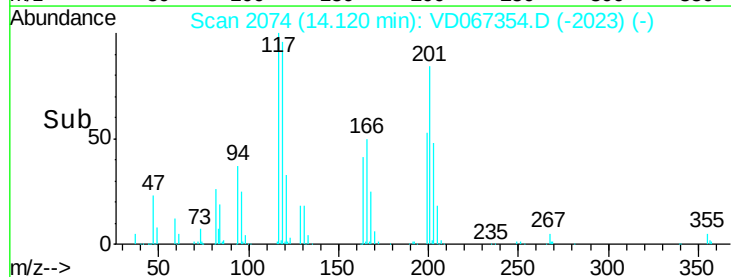
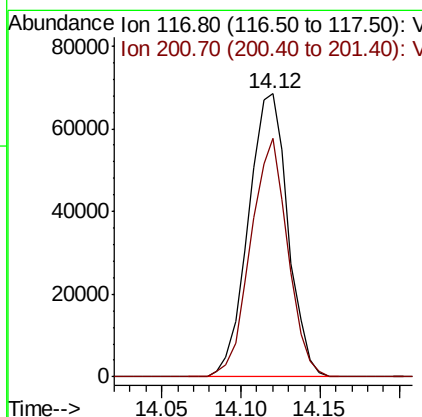
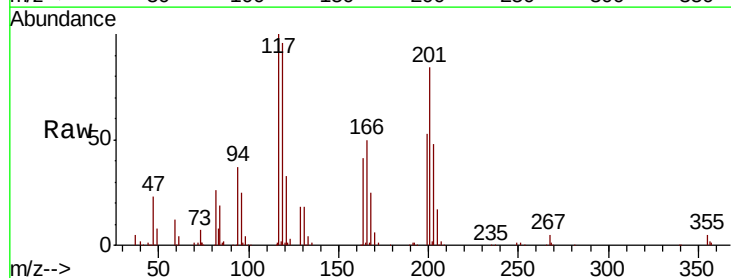
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

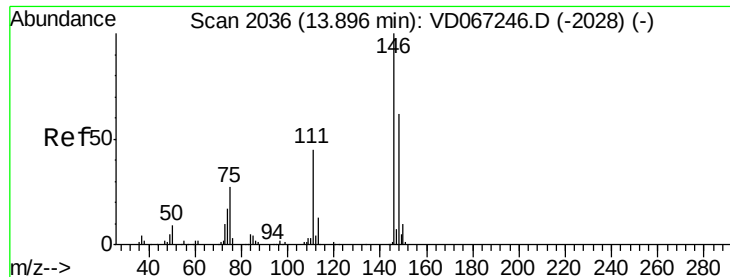
Tot Ion: 91 Resp: 615919
Ion Ratio Lower Upper
91 100
92 53.1 26.7 80.0
134 28.3 14.2 42.6



#90
Hexachloroethane
Concen: 51.683 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067354.D
Acq: 22 Oct 2020 10:07

Tgt Ion: 117 Resp: 119143
Ion Ratio Lower Upper
117 100
201 78.8 40.8 122.2

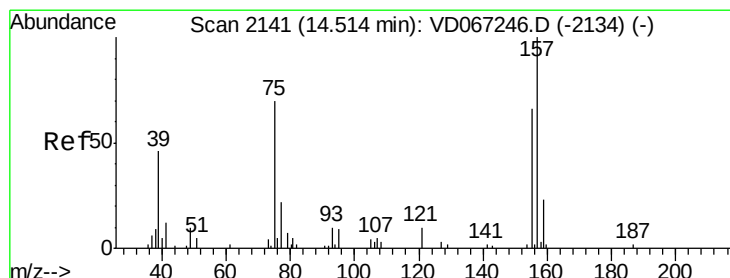
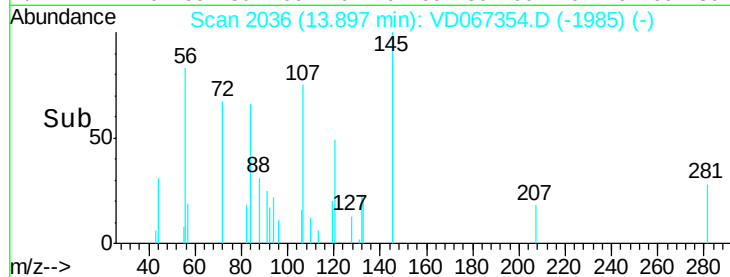
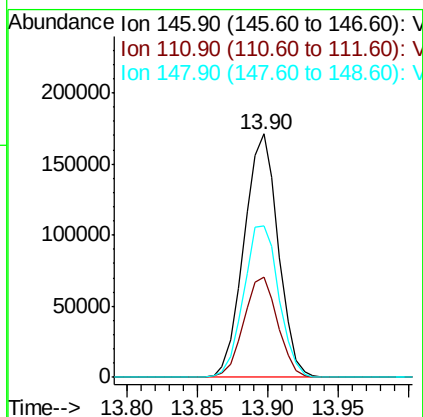
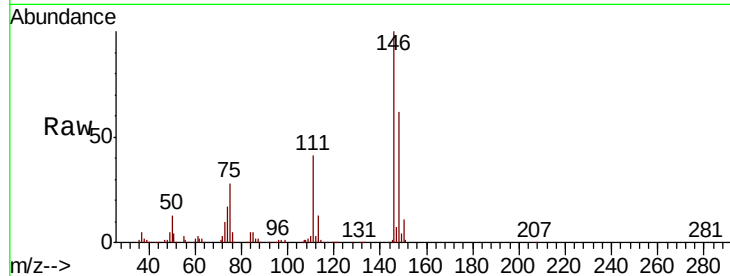




#91
 1,2-Dichlorobenzene
 Concen: 49.811 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

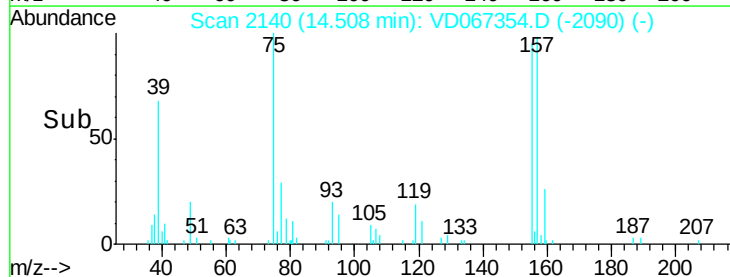
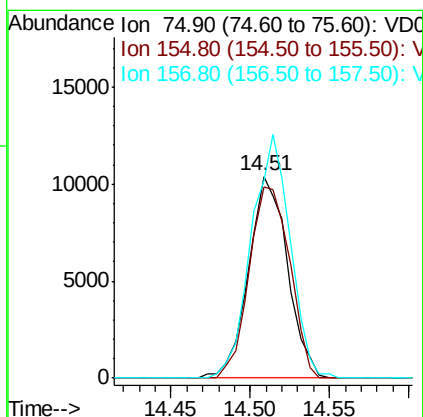
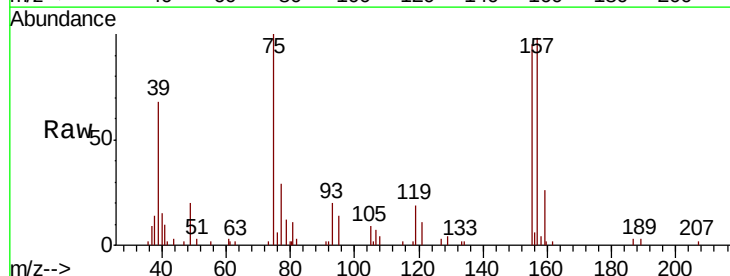
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

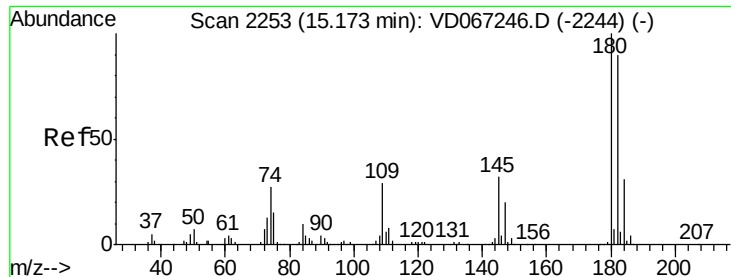
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	22.0	66.0
148	64.3	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.073 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	44.8	134.4
157	119.8	62.5	187.4

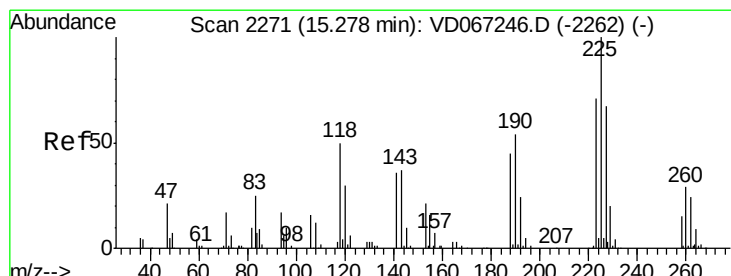
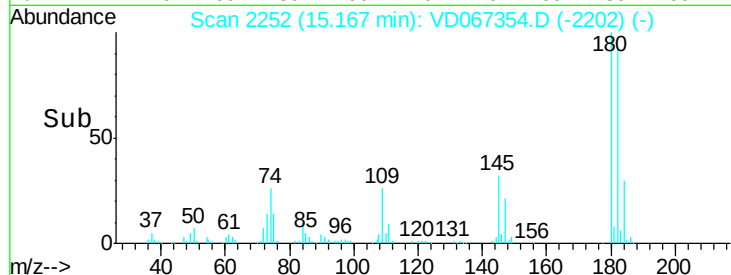
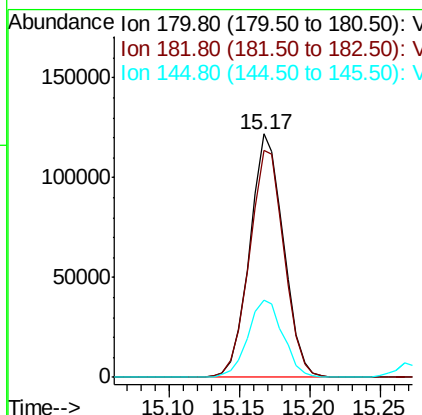
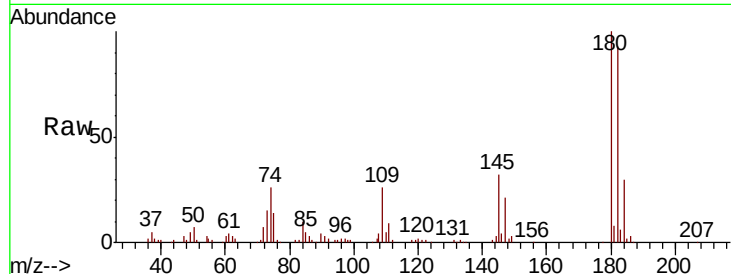




#93
 1,2,4-Trichlorobenzene
 Concen: 52.281 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

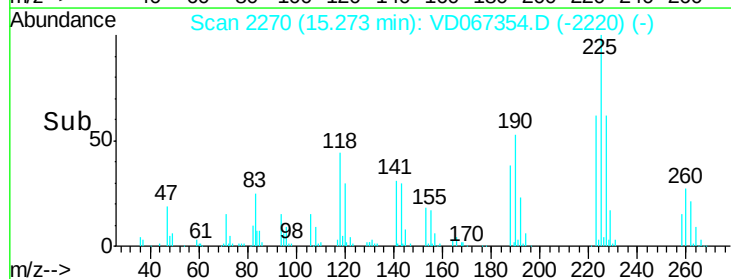
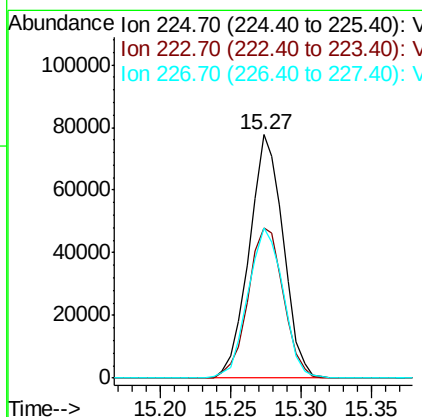
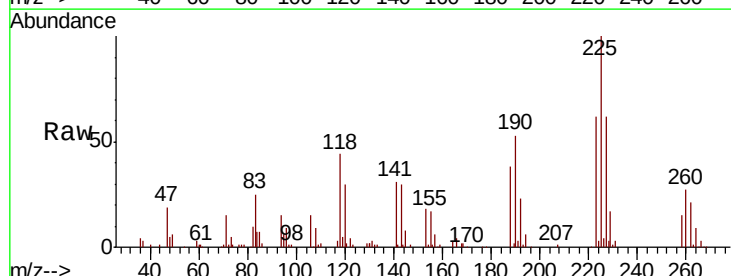
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

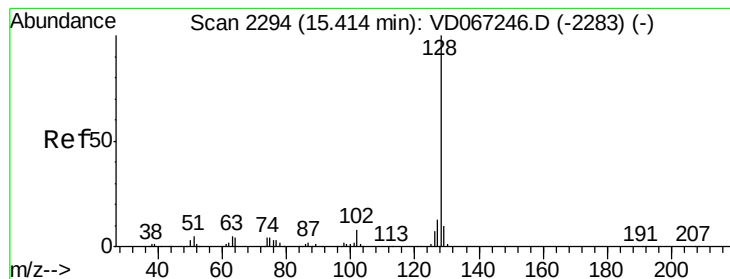
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.4
145	32.7	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 54.119 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067354.D
 Acq: 22 Oct 2020 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.5	31.2	93.6





#95

Naphthalene

Concen: 51.606 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

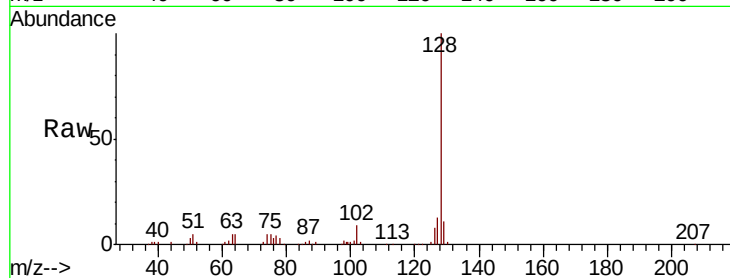
Tot Ion:128 Resp: 332764

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

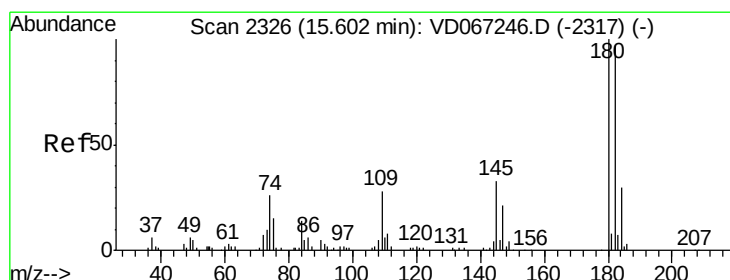
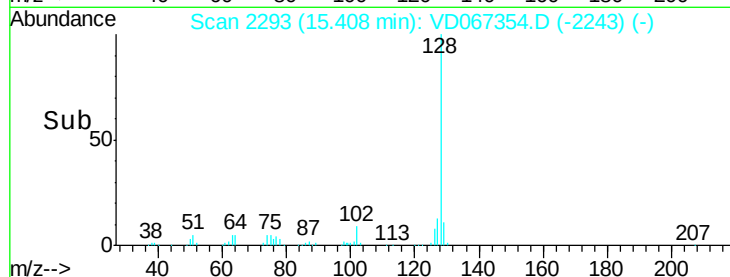
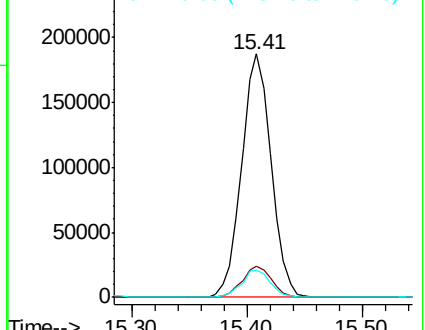
129 11.1 8.6 12.8



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: 51.927 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067354.D

Acq: 22 Oct 2020 10:07

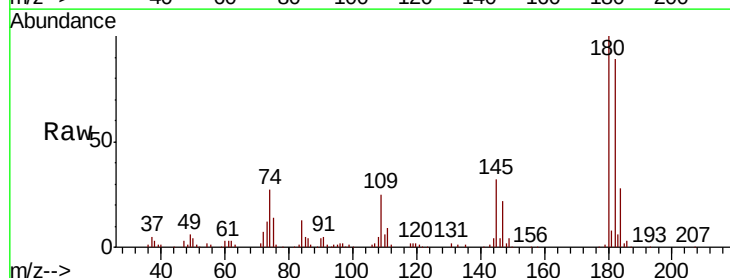
Tgt Ion:180 Resp: 176183

Ion Ratio Lower Upper

180 100

182 94.3 48.1 144.3

145 34.6 17.3 51.9



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

