

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064152.D
 Acq On : 01 Nov 2019 17:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 01 18:27:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	337018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	339187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	190247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	86875	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.93	113	98290	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	10.34	98	393710	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.63	95	134990	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	103994	45.884	ug/l	100
3) Chloromethane	2.21	50	171354	45.314	ug/l	98
4) Vinyl Chloride	2.35	62	191661	46.738	ug/l	96
5) Bromomethane	2.77	94	130783	48.937	ug/l	97
6) Chloroethane	2.93	64	124771	48.987	ug/l	95
7) Trichlorofluoromethane	3.28	101	266198	47.155	ug/l	96
8) Diethyl Ether	3.71	74	46980	47.878	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97237	47.797	ug/l	99
10) Methyl Iodide	4.30	142	130553	51.797	ug/l	100
11) Tert butyl alcohol	5.24	59	22681	223.957	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	93361	48.490	ug/l	90
13) Acrolein	3.93	56	18743	166.523	ug/l	94
14) Allyl chloride	4.71	41	113638	50.427	ug/l	98
15) Acrylonitrile	5.43	53	87800	242.235	ug/l	98
16) Acetone	4.17	43	88779	264.325	ug/l	92
17) Carbon Disulfide	4.40	76	289978	49.010	ug/l	96
18) Methyl Acetate	4.72	43	42454	47.519	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	195488	50.036	ug/l	97
20) Methylene Chloride	4.96	84	118539	55.715	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	111460	51.570	ug/l	93
22) Diisopropyl ether	6.37	45	259644	52.024	ug/l	98
23) Vinyl Acetate	6.31	43	721657	263.792	ug/l	100
24) 1,1-Dichloroethane	6.27	63	167549	49.715	ug/l	99
25) 2-Butanone	7.23	43	114738	247.105	ug/l	95
26) 2,2-Dichloropropane	7.21	77	153975	48.137	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	124672	51.550	ug/l	97
28) Bromochloromethane	7.55	49	65672	49.991	ug/l	95
29) Tetrahydrofuran	7.57	42	71502	263.854	ug/l	98
30) Chloroform	7.71	83	195341	50.653	ug/l	98
31) Cyclohexane	7.98	56	146855	44.727	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	178281	49.663	ug/l	99
36) 1,1-Dichloropropene	8.11	75	150848	47.767	ug/l	99
37) Ethyl Acetate	7.30	43	48402	49.795	ug/l #	94
38) Carbon Tetrachloride	8.10	117	171383	49.741	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186263	48.048	ug/l	96
40) Benzene	8.36	78	430024	49.935	ug/l	99
41) Methacrylonitrile	7.53	41	17826	31.778	ug/l #	53
42) 1,2-Dichloroethane	8.43	62	116702	51.303	ug/l	100
43) Isopropyl Acetate	8.46	43	96257	49.000	ug/l	98
44) Trichloroethene	9.11	130	131422	50.351	ug/l	93
45) 1,2-Dichloropropane	9.39	63	99828	50.020	ug/l	99
46) Dibromomethane	9.48	93	59522	49.520	ug/l	99
47) Bromodichloromethane	9.67	83	151679	50.021	ug/l	98
48) Methyl methacrylate	9.46	41	45348	49.920	ug/l	95
49) 1,4-Dioxane	9.47	88	14877	1081.287	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	259795	242.930	ug/l	98
52) Toluene	10.41	92	306333	50.759	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	145178	51.290	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	170565	51.218	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	82023	48.131	ug/l	97
56) Ethyl methacrylate	10.67	69	98719	47.802	ug/l	97
57) 1,3-Dichloropropane	10.95	76	136784	48.533	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	193653	259.381	ug/l	98
59) 2-Hexanone	10.99	43	193688	231.728	ug/l	98
60) Dibromochloromethane	11.14	129	116601	50.411	ug/l	100
61) 1,2-Dibromoethane	11.25	107	85074	49.914	ug/l	95
64) Tetrachloroethene	10.88	164	118572	48.660	ug/l	95
65) Chlorobenzene	11.67	112	359585	51.308	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	133208	50.796	ug/l	99
67) Ethyl Benzene	11.75	91	616577	49.463	ug/l	99
68) m/p-Xylenes	11.86	106	513048	102.324	ug/l	96
69) o-Xylene	12.18	106	236285	51.637	ug/l	99
70) Styrene	12.20	104	412755	52.301	ug/l	98
71) Bromoform	12.37	173	69928	49.929	ug/l #	99
73) Isopropylbenzene	12.48	105	637932	48.254	ug/l	99
74) N-amyl acetate	12.29	43	104049	47.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	95569	45.863	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	124268	97.210	ug/l #	100
77) Bromobenzene	12.77	156	158620	49.694	ug/l	98
78) n-propylbenzene	12.83	91	756228	48.812	ug/l	100
79) 2-Chlorotoluene	12.91	91	403019	48.528	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	548447	49.569	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29230	46.697	ug/l	90
82) 4-Chlorotoluene	13.01	91	442113	49.821	ug/l	99
83) tert-Butylbenzene	13.23	119	489422	49.249	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	569564	51.244	ug/l	100
85) sec-Butylbenzene	13.41	105	672992	49.313	ug/l	99
86) p-Isopropyltoluene	13.52	119	651663	50.821	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	326771	51.085	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	314658	49.901	ug/l	98
89) n-Butylbenzene	13.85	91	589423	49.837	ug/l	98
90) Hexachloroethane	14.11	117	119899	49.943	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	278461	50.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14819	48.694	ug/l	96

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QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

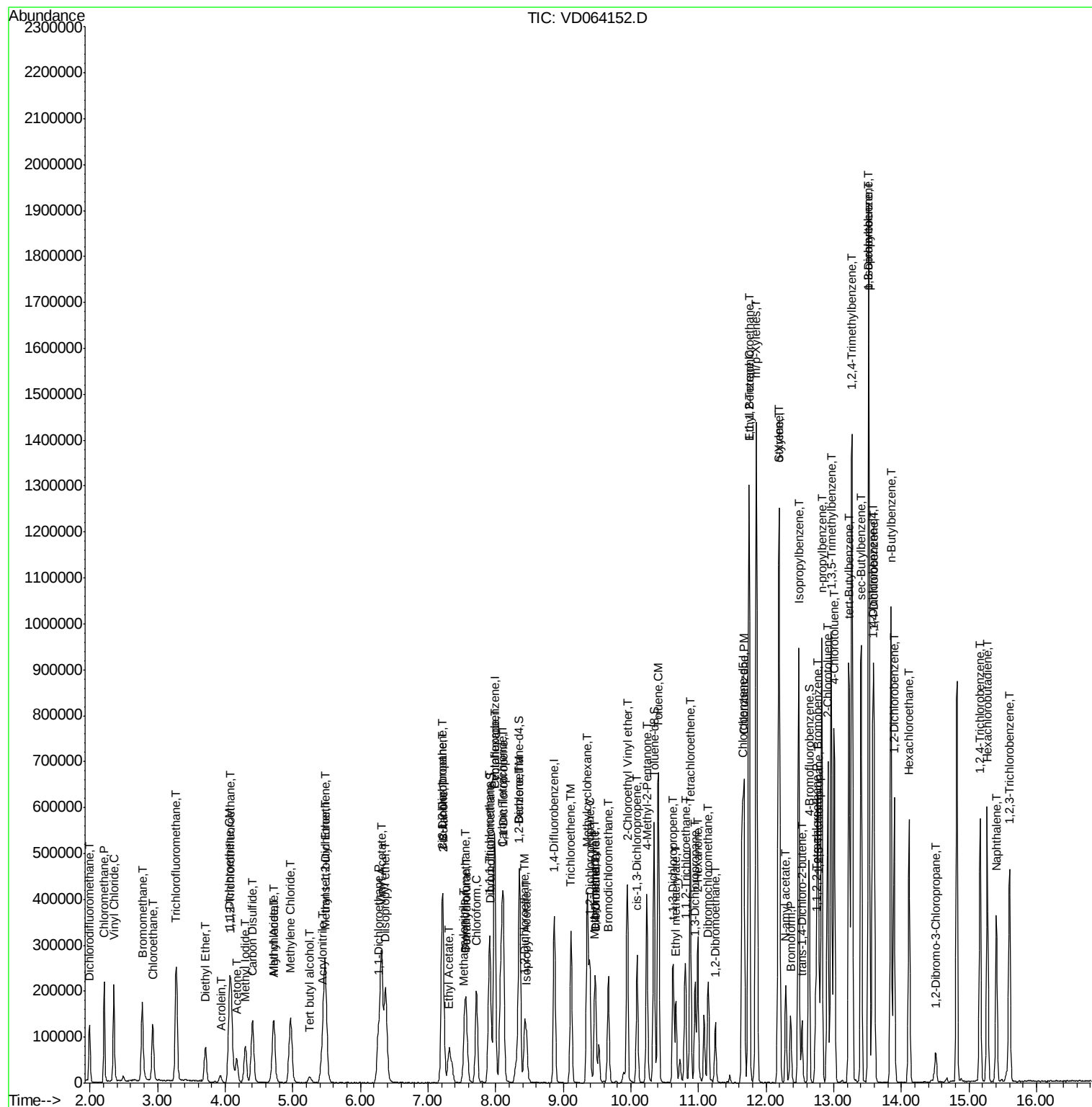
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	201382	50.892	ug/l	99
94) Hexachlorobutadiene	15.28	225	115728	50.040	ug/l	97
95) Naphthalene	15.41	128	324848	50.336	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	172208	50.243	ug/l	98

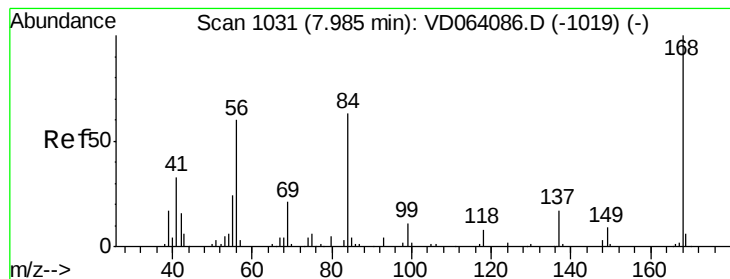
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

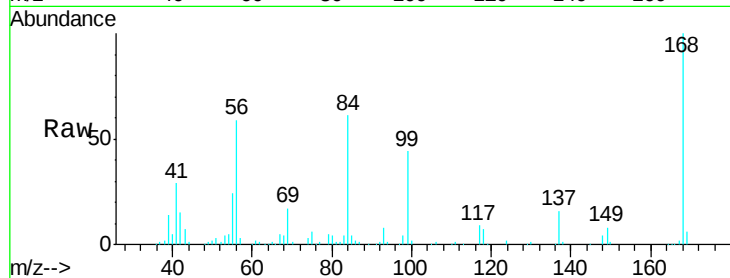
VSTDCCC050EC

Tgt Ion:168 Resp: 221957

Ion Ratio Lower Upper

168 100

99 43.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

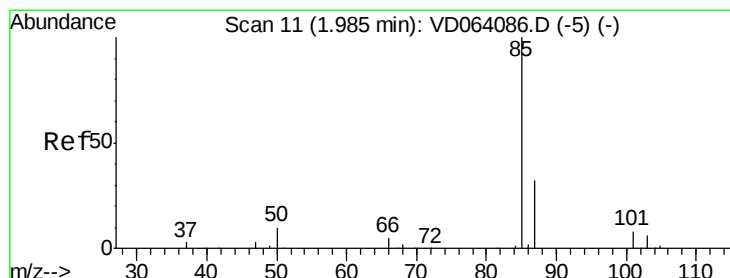
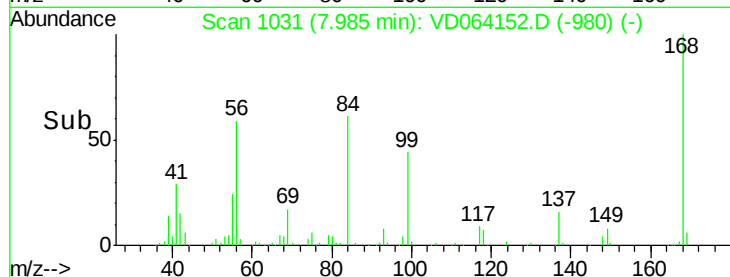
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.884 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064152.D

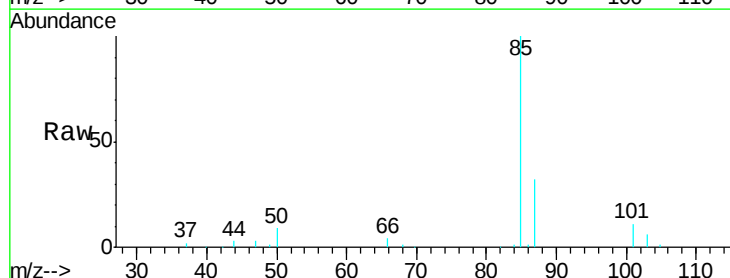
Acq: 01 Nov 2019 17:57

Tgt Ion: 85 Resp: 103994

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

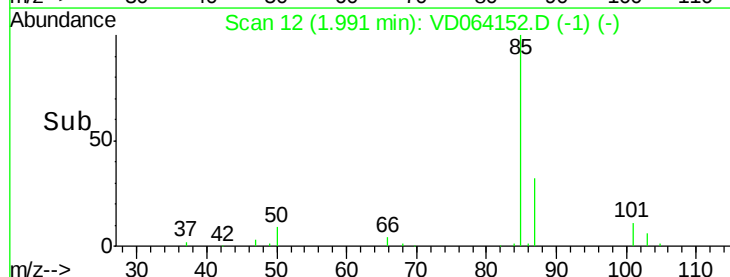
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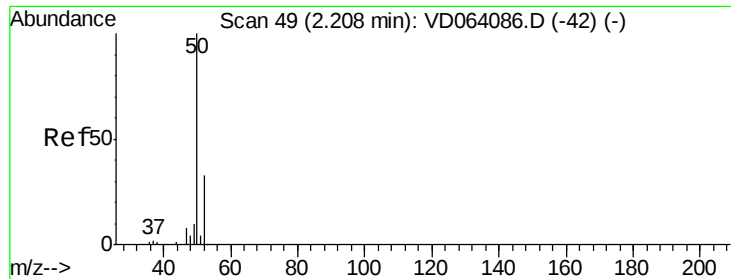
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.314 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

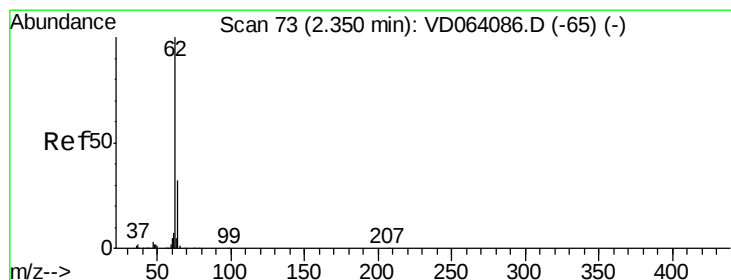
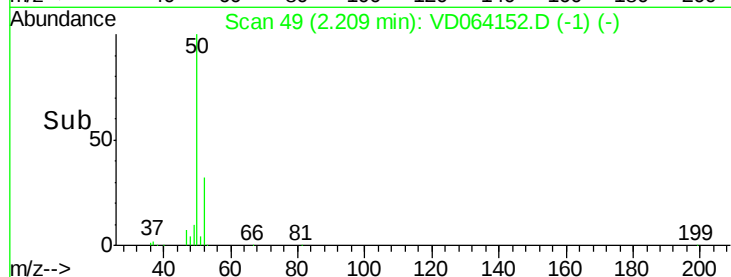
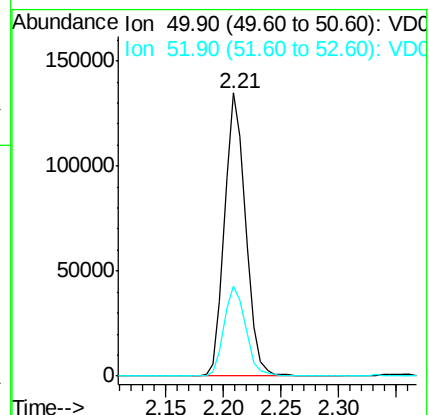
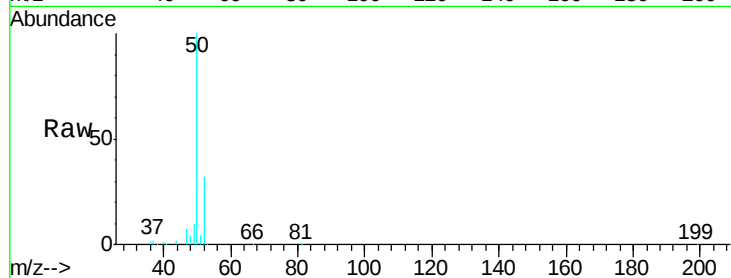
VSTDCCC050EC

Tgt Ion: 50 Resp: 171354

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 46.738 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064152.D

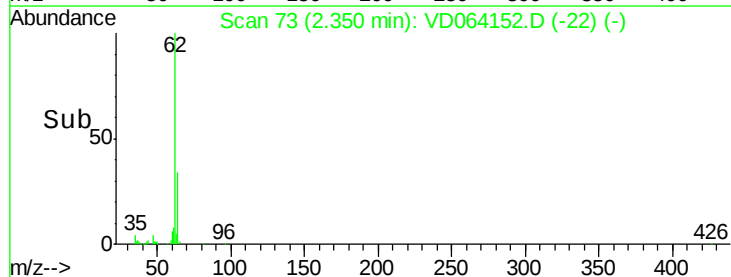
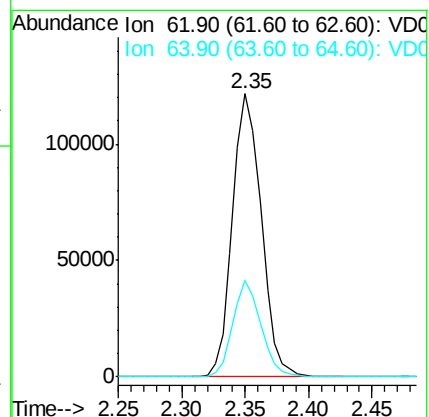
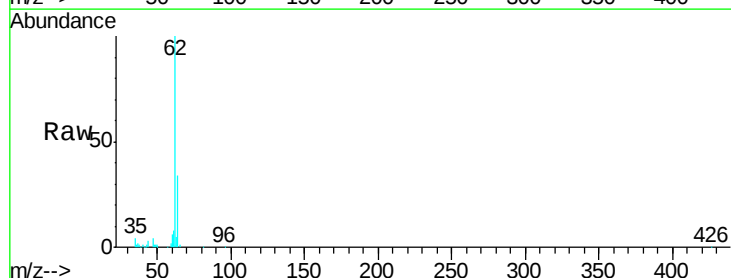
Acq: 01 Nov 2019 17:57

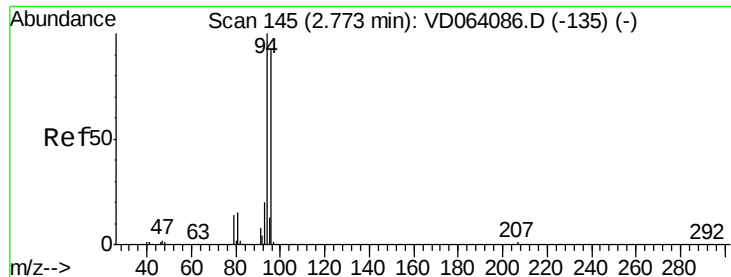
Tgt Ion: 62 Resp: 191661

Ion Ratio Lower Upper

62 100

64 34.2 25.6 38.4





#5

Bromomethane

Concen: 48.937 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

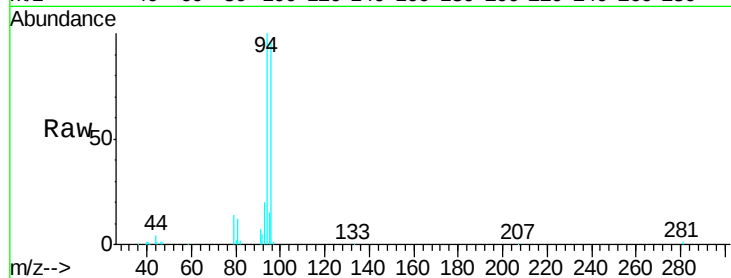
VSTDCCC050EC

Tgt Ion: 94 Resp: 130783

Ion Ratio Lower Upper

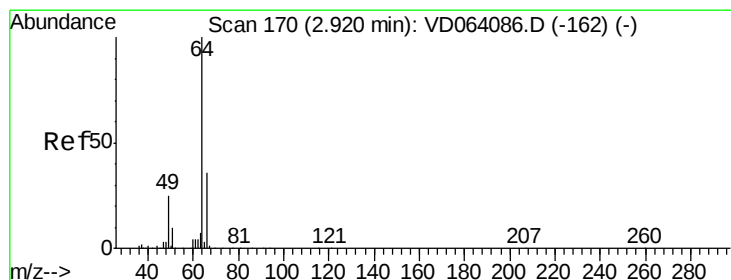
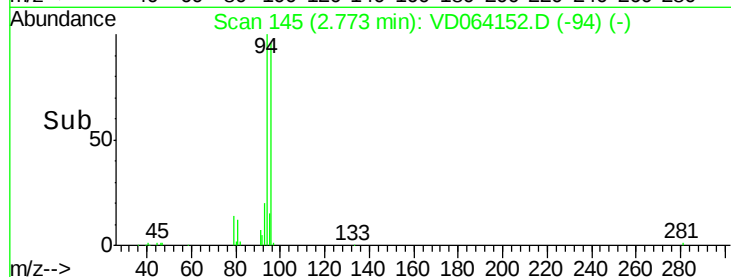
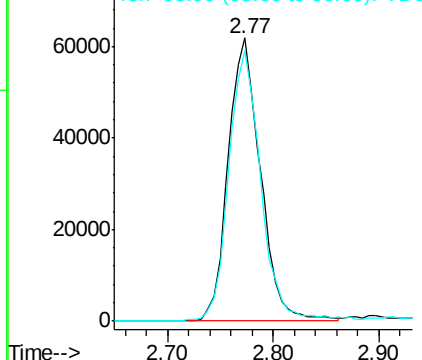
94 100

96 95.0 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.987 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064152.D

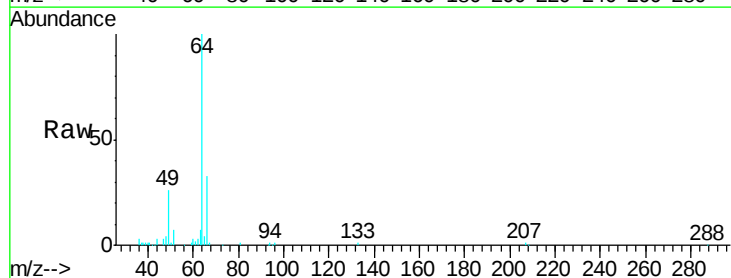
Acq: 01 Nov 2019 17:57

Tgt Ion: 64 Resp: 124771

Ion Ratio Lower Upper

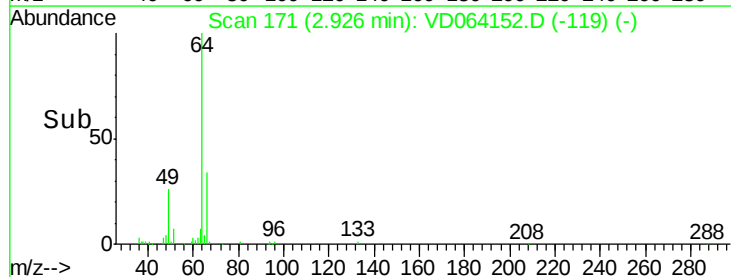
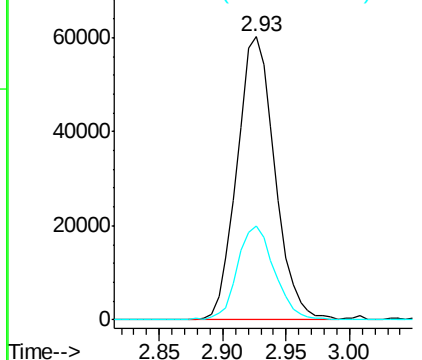
64 100

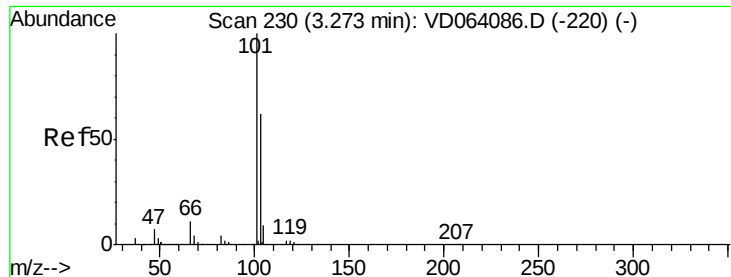
66 33.1 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



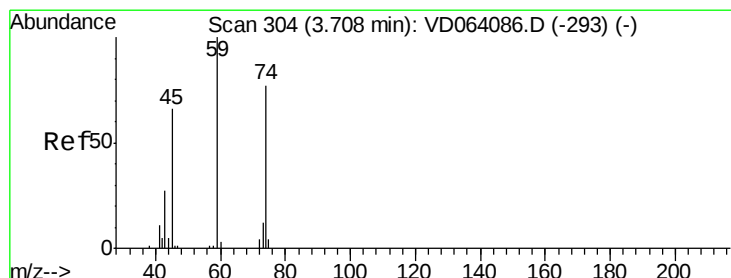
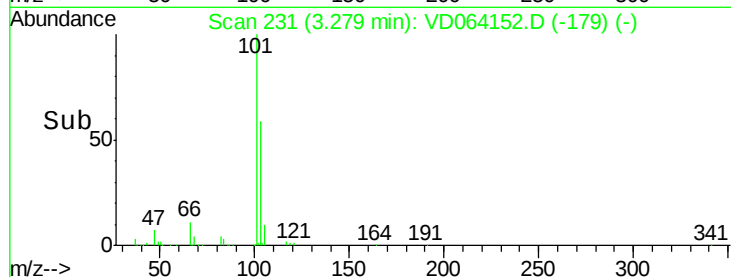
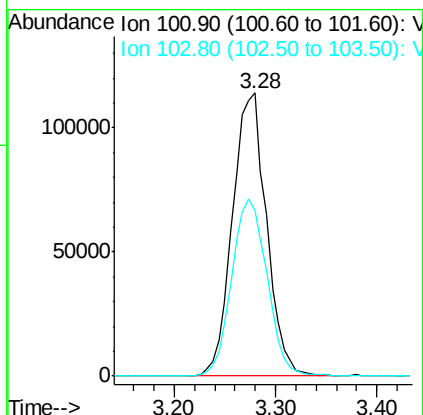
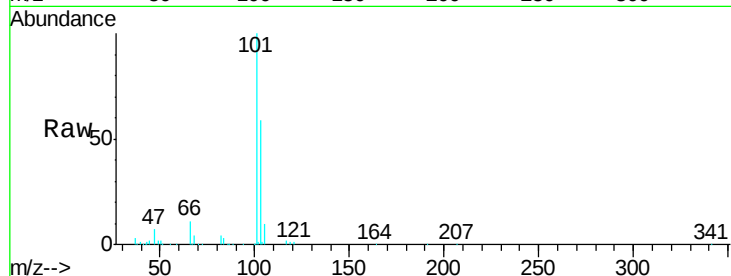


#7

Trichlorofluoromethane
 Concen: 47.155 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
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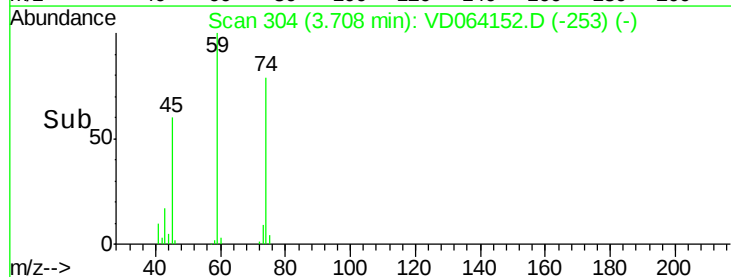
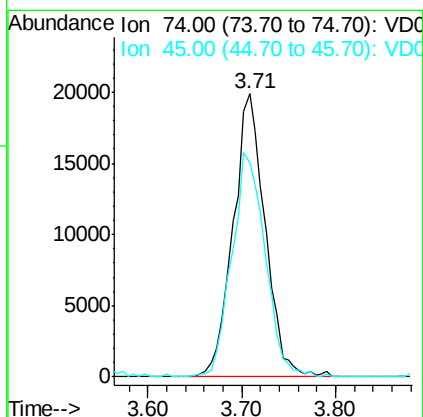
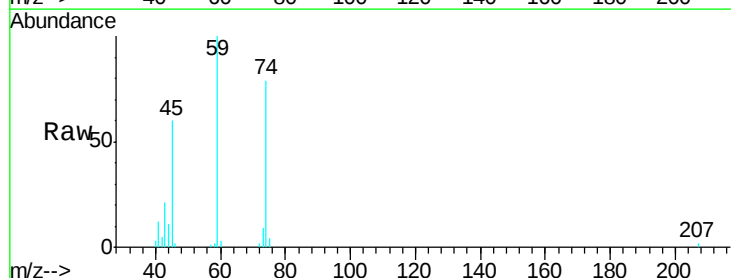
Tgt Ion: 101 Resp: 266198
 Ion Ratio Lower Upper
 101 100
 103 58.7 49.6 74.4

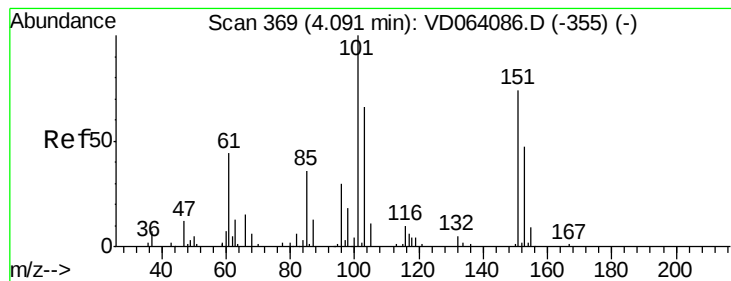


#8

Diethyl Ether
 Concen: 47.878 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 74 Resp: 46980
 Ion Ratio Lower Upper
 74 100
 45 82.8 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.797 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

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VSTDCCC050EC

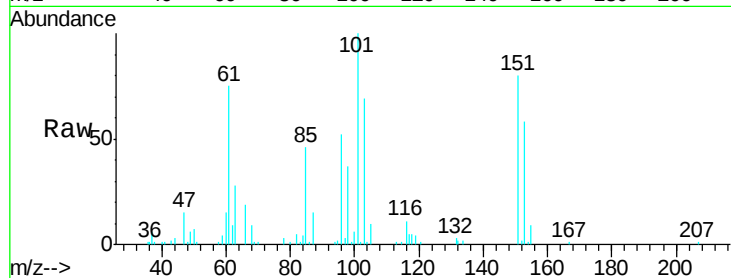
Tgt Ion:101 Resp: 97237

Ion Ratio Lower Upper

101 100

85 43.5 35.3 52.9

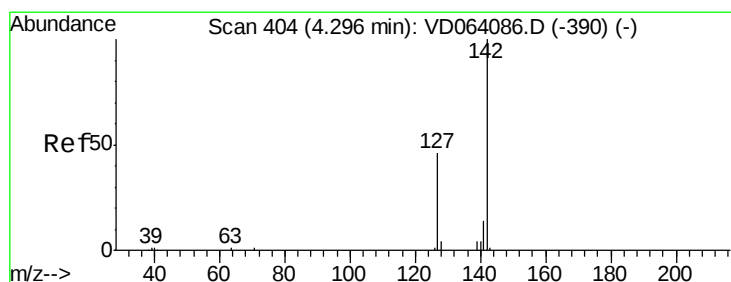
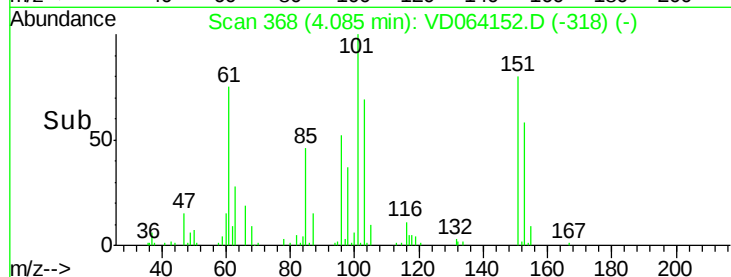
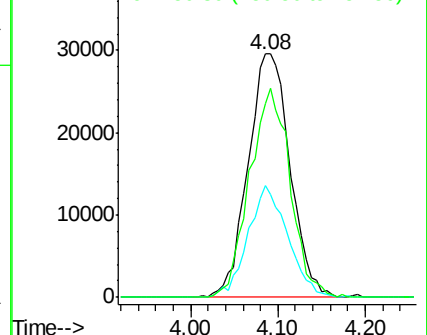
151 83.2 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.797 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

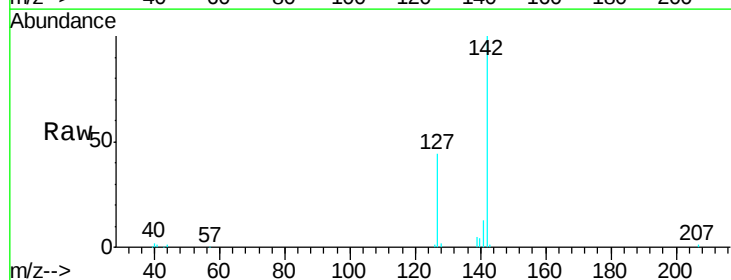
Tgt Ion:142 Resp: 130553

Ion Ratio Lower Upper

142 100

127 44.2 35.1 52.7

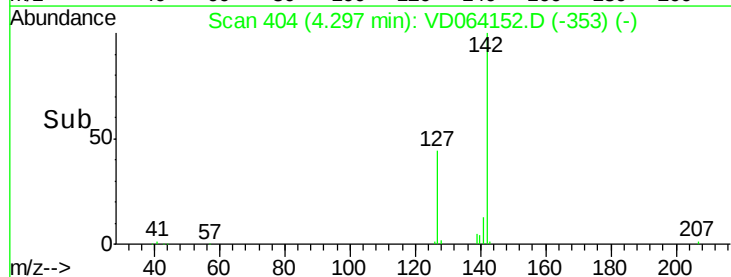
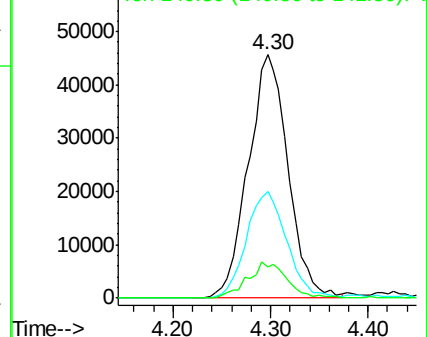
141 14.6 11.6 17.4

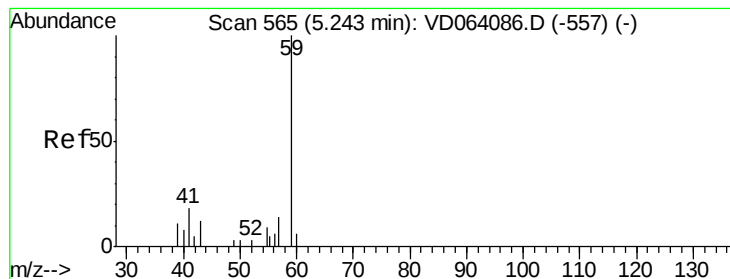


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



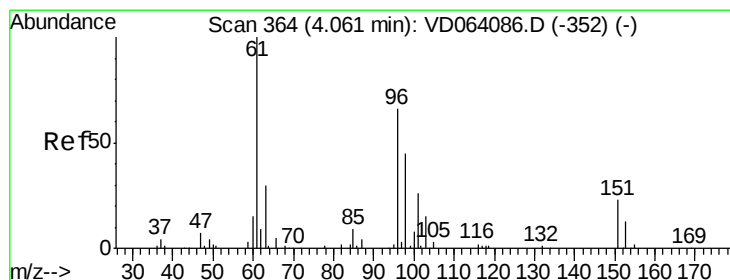
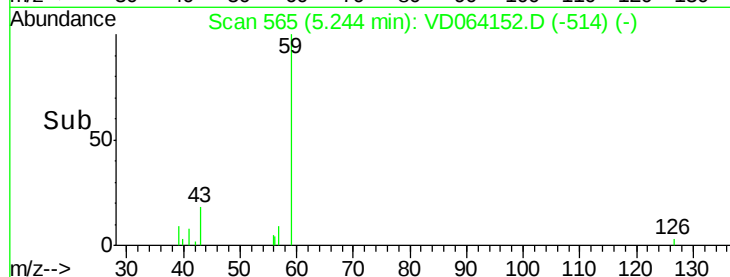
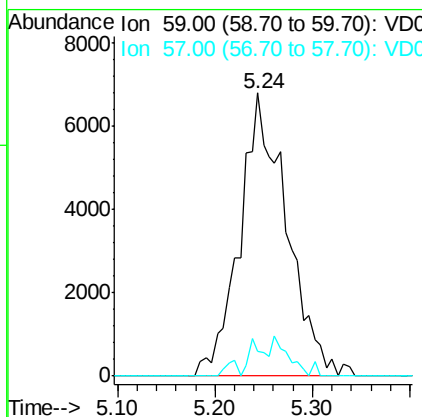
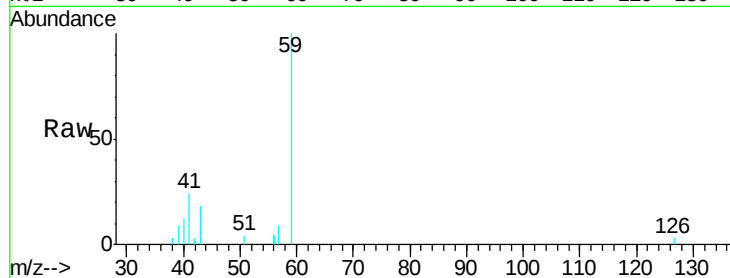


#11

Tert butyl alcohol
Concen: 223.957 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

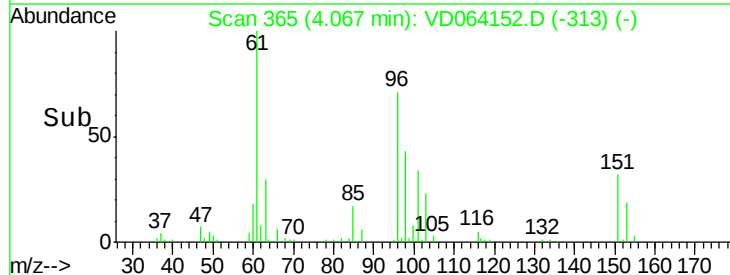
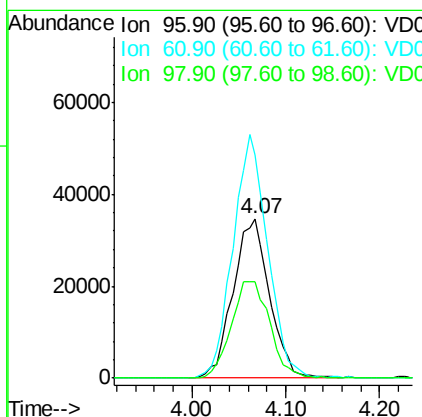
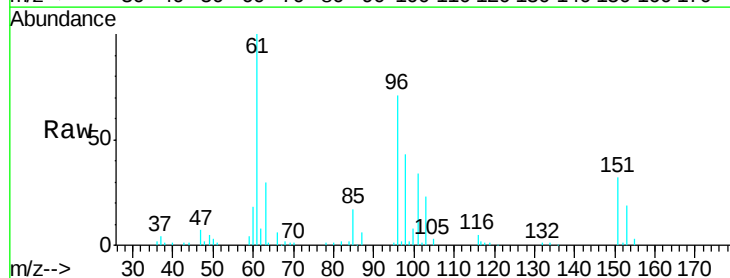
Tgt Ion: 59 Resp: 22681
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

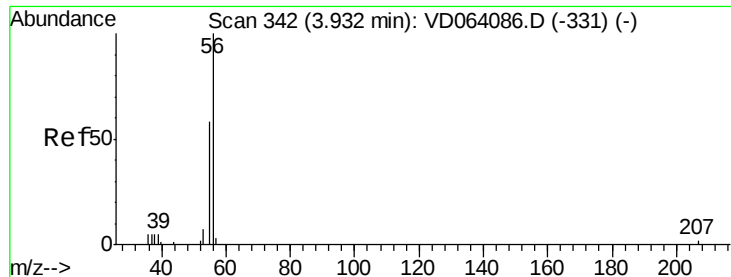


#12

1,1-Dichloroethene
Concen: 48.490 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 96 Resp: 93361
Ion Ratio Lower Upper
96 100
61 140.1 121.8 182.6
98 60.6 55.4 83.0





#13

Acrolein

Concen: 166.523 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

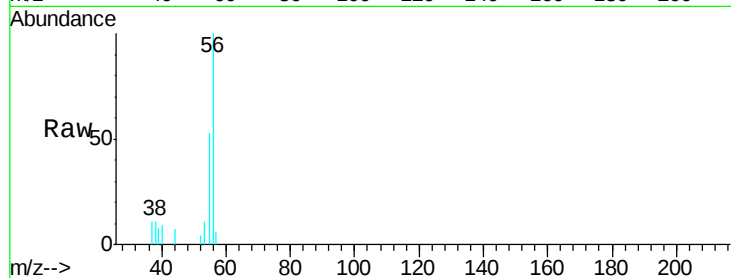
VSTDCCC050EC

Tgt Ion: 56 Resp: 18743

Ion Ratio Lower Upper

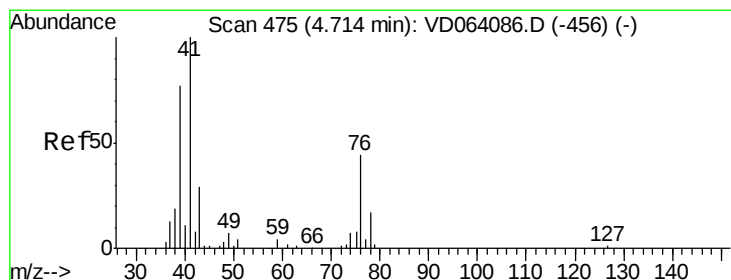
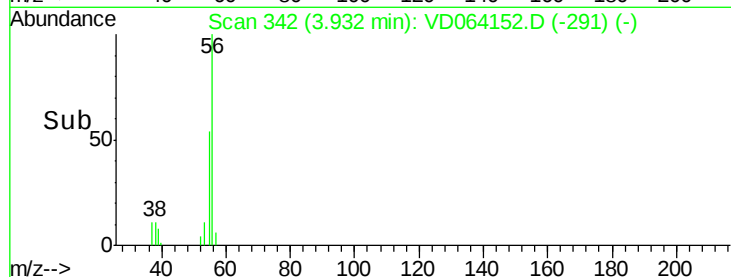
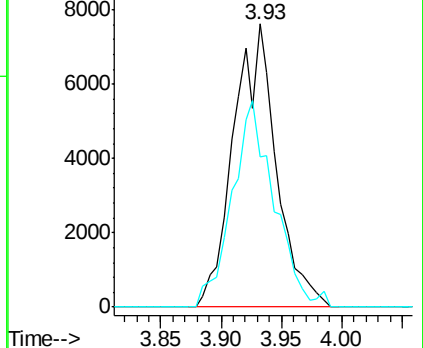
56 100

55 71.9 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.427 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

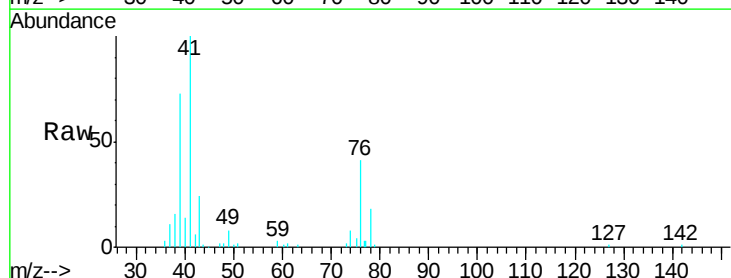
Tgt Ion: 41 Resp: 113638

Ion Ratio Lower Upper

41 100

39 76.1 61.5 92.3

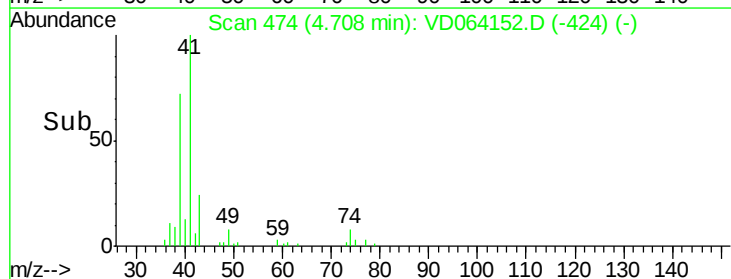
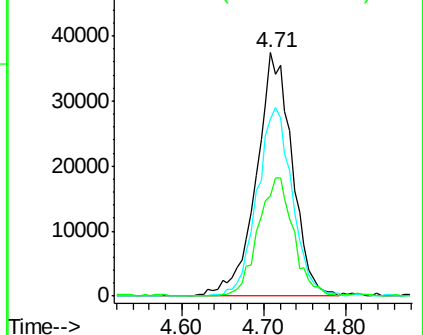
76 48.0 36.2 54.4

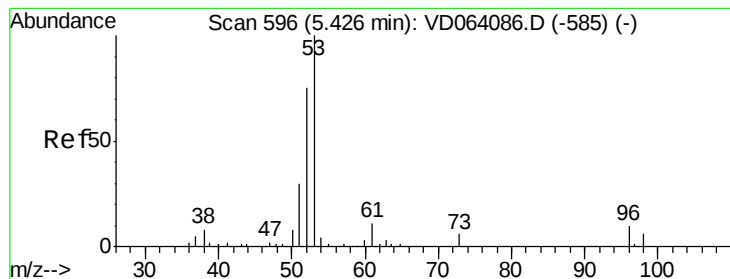


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 242.235 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

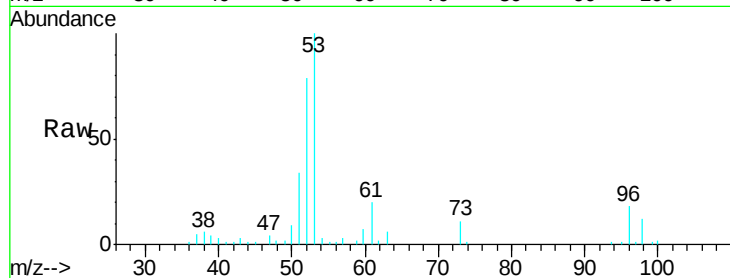
Tgt Ion: 53 Resp: 87800

Ion Ratio Lower Upper

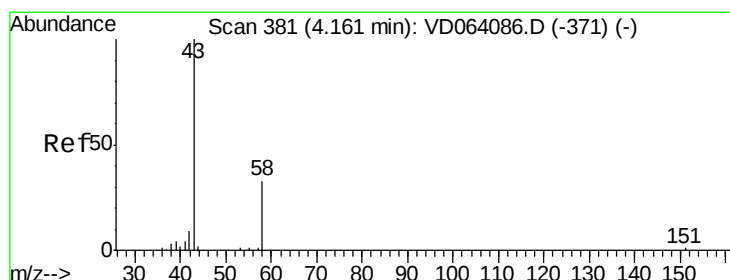
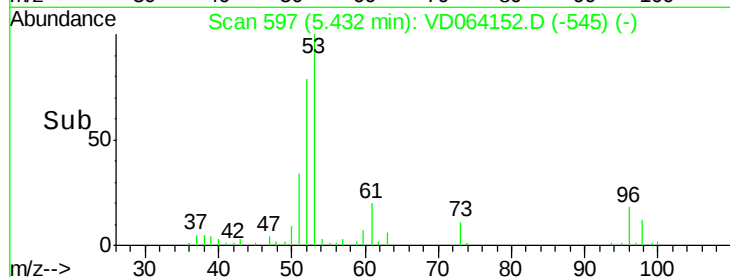
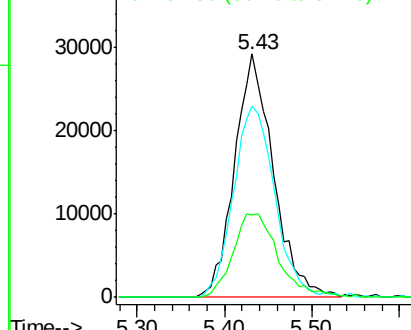
53 100

52 83.1 66.2 99.4

51 39.9 29.0 43.6



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: 264.325 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064152.D

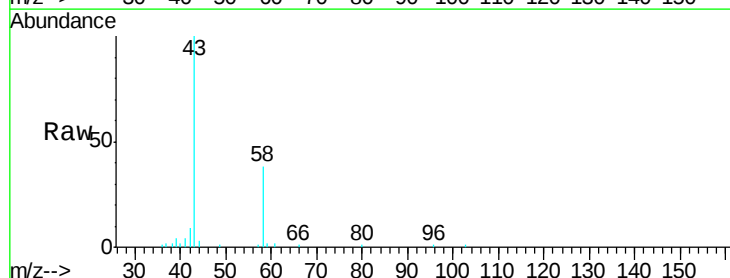
Acq: 01 Nov 2019 17:57

Tgt Ion: 43 Resp: 88779

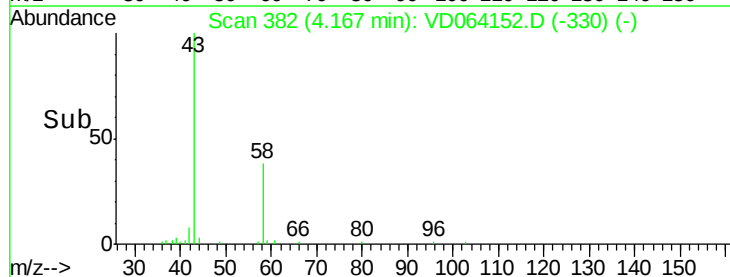
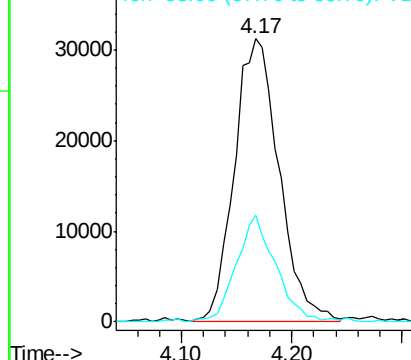
Ion Ratio Lower Upper

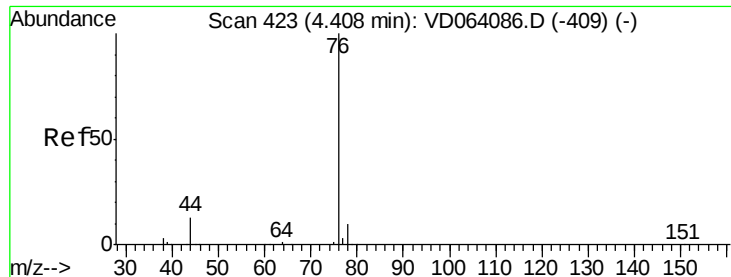
43 100

58 37.6 26.3 39.5



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

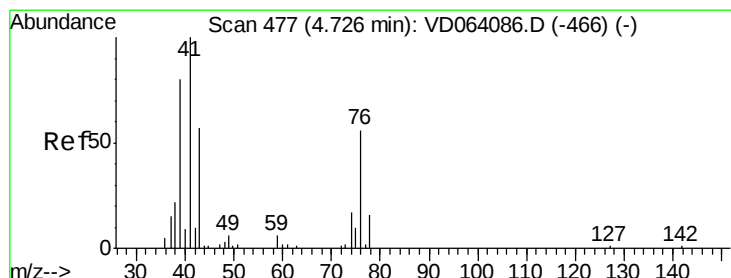
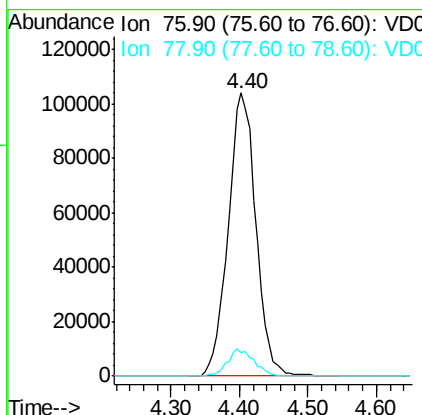
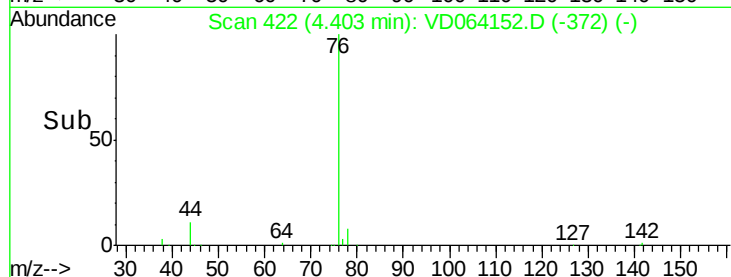
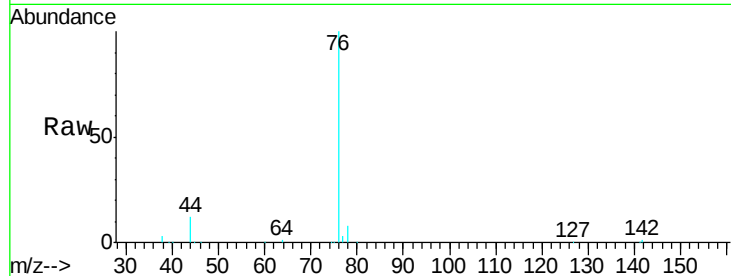




#17
Carbon Disulfide
Concen: 49.010 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

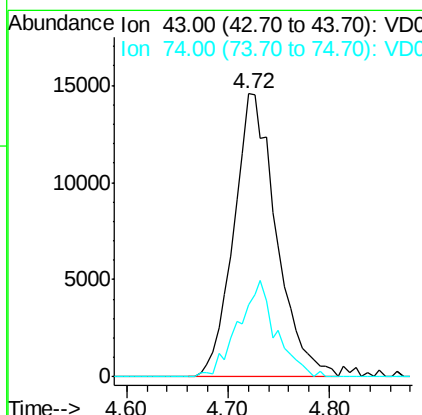
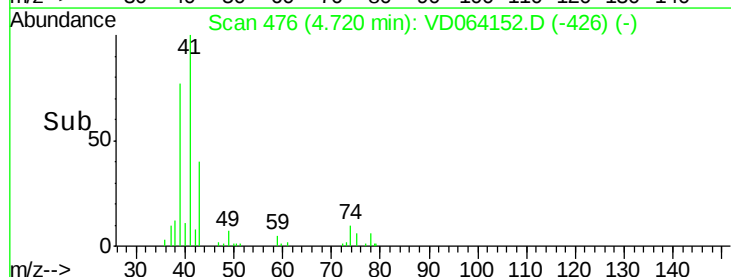
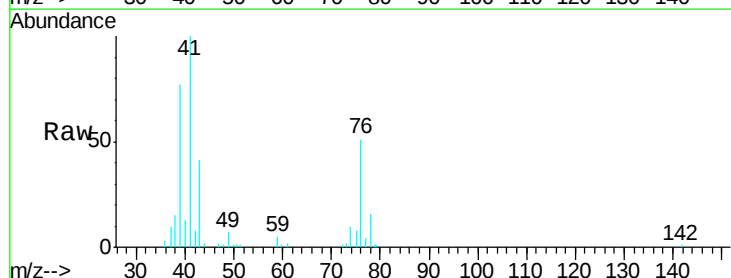
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

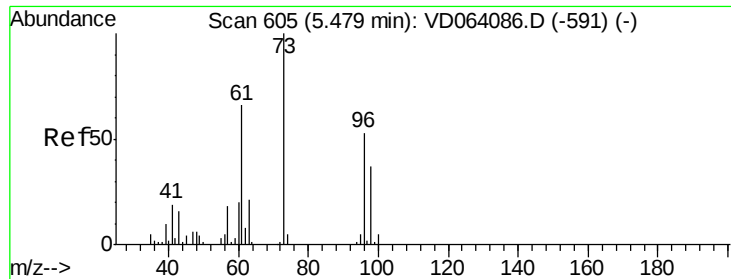
Tgt Ion: 76 Resp: 289978
Ion Ratio Lower Upper
76 100
78 8.5 8.1 12.1



#18
Methyl Acetate
Concen: 47.519 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 43 Resp: 42454
Ion Ratio Lower Upper
43 100
74 30.1 22.2 33.4

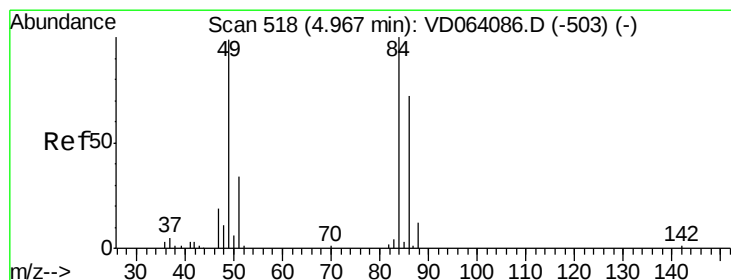
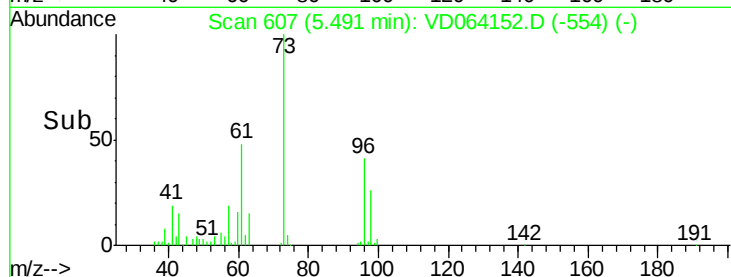
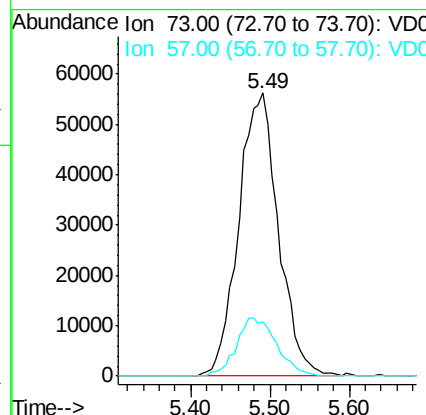
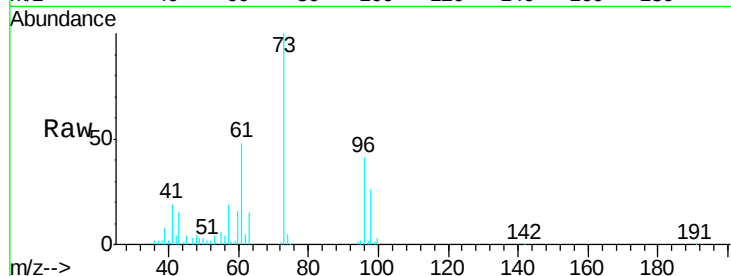




#19
Methyl tert-butyl Ether
Concen: 50.036 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

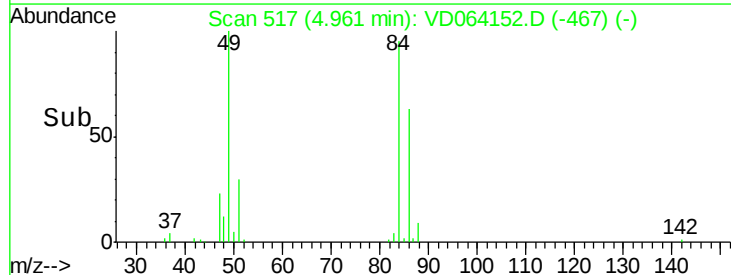
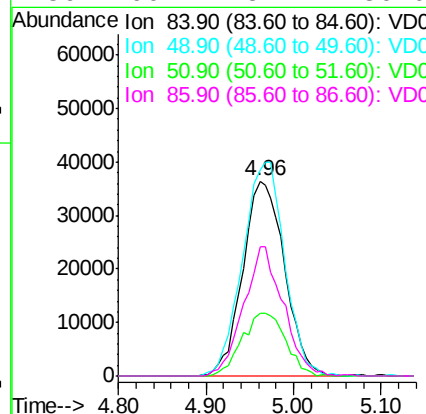
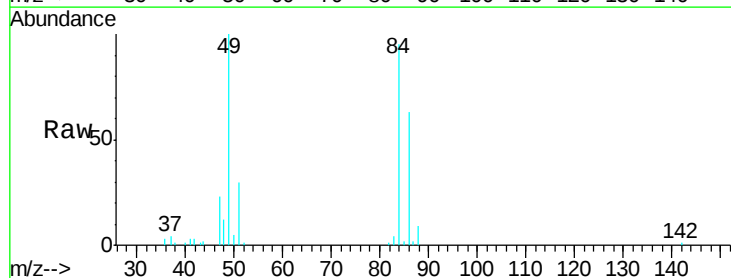
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

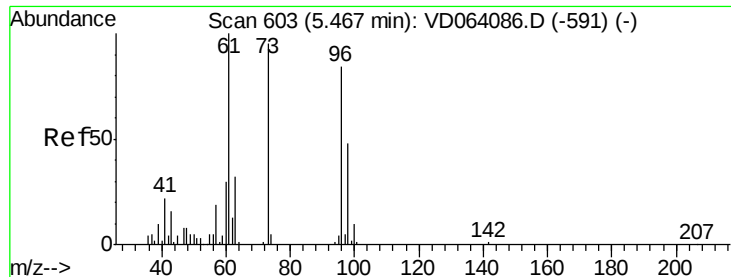
Tgt Ion: 73 Resp: 195488
Ion Ratio Lower Upper
73 100
57 19.0 14.3 21.5



#20
Methylene Chloride
Concen: 55.715 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 84 Resp: 118539
Ion Ratio Lower Upper
84 100
49 105.6 79.4 119.0
51 32.1 27.4 41.2
86 66.1 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 51.570 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

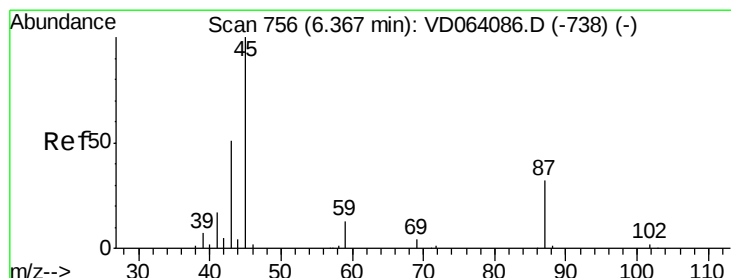
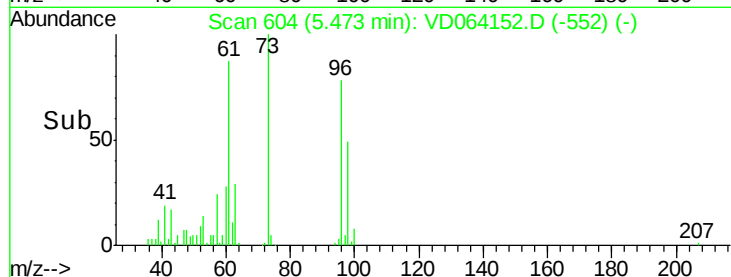
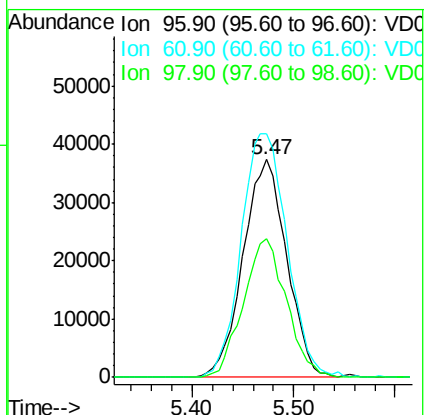
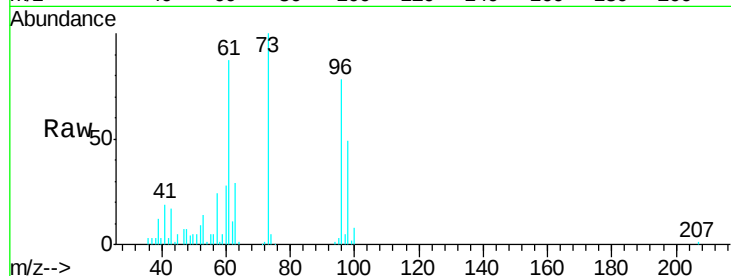
Tgt Ion: 96 Resp: 111460

Ion Ratio Lower Upper

96 100

61 111.5 95.0 142.6

98 63.6 45.8 68.8



#22

Diisopropyl ether

Concen: 52.024 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion: 45 Resp: 259644

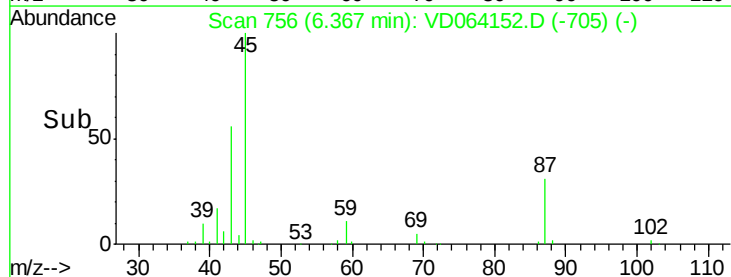
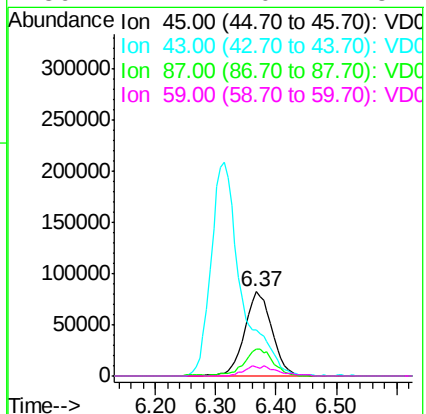
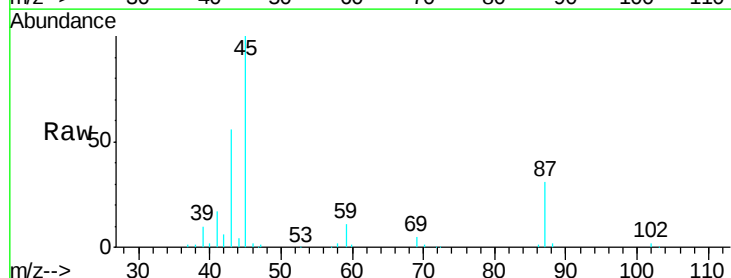
Ion Ratio Lower Upper

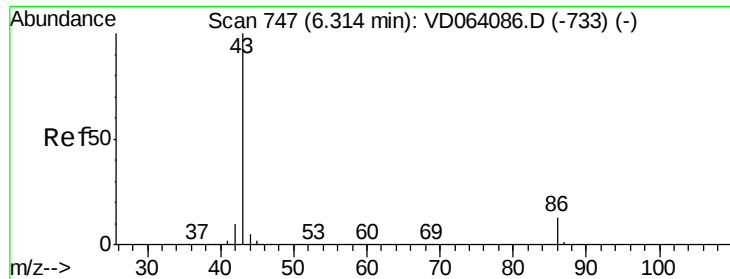
45 100

43 54.7 44.3 66.5

87 31.4 26.6 39.8

59 11.1 10.2 15.2





#23

Vinyl Acetate

Concen: 263.792 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

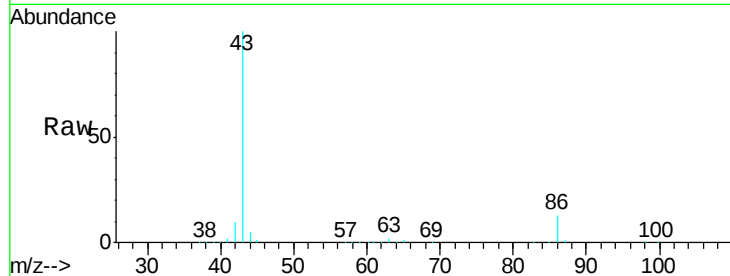
VSTDCCC050EC

Tgt Ion: 43 Resp: 721657

Ion Ratio Lower Upper

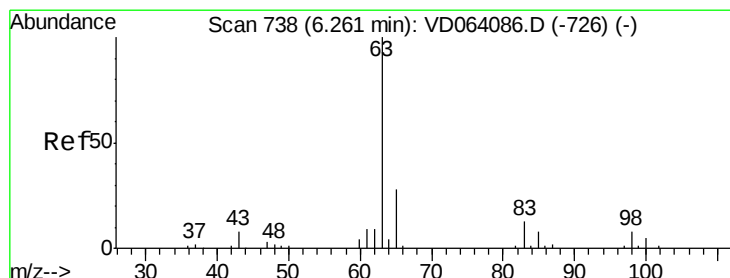
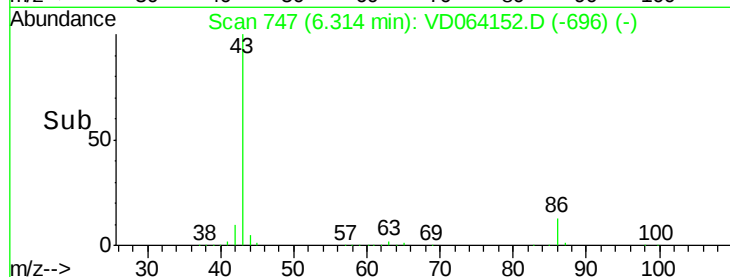
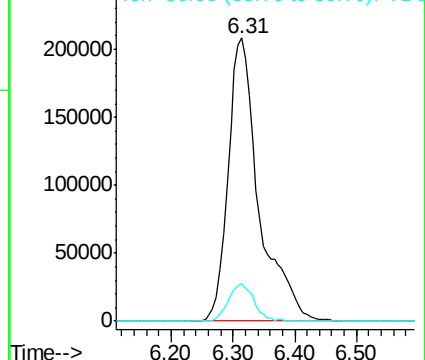
43 100

86 13.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.715 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

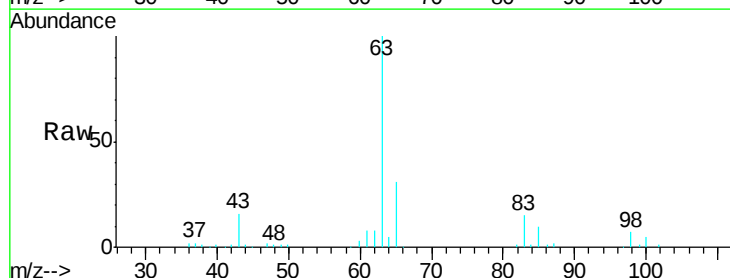
Tgt Ion: 63 Resp: 167549

Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

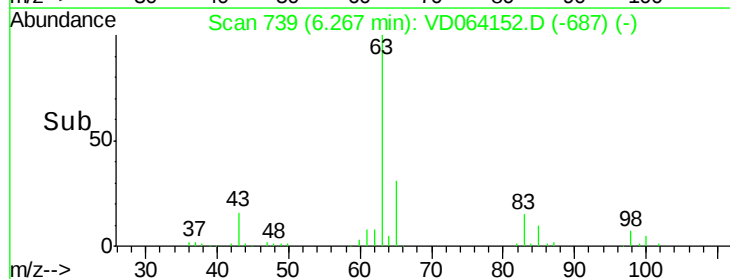
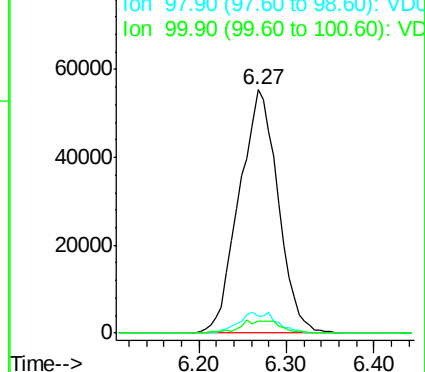
100 5.0 2.6 7.8

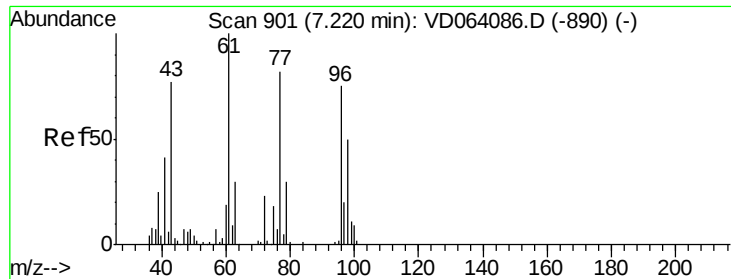


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 247.105 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

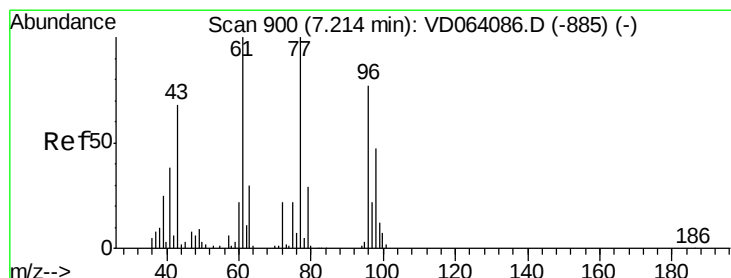
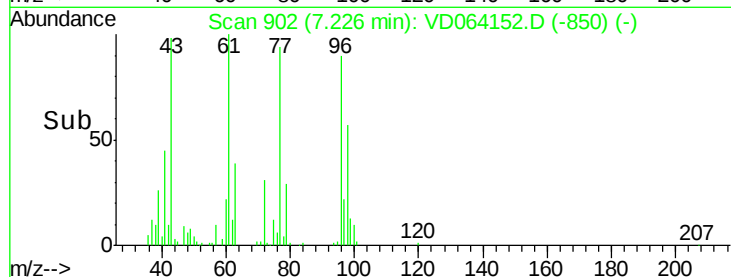
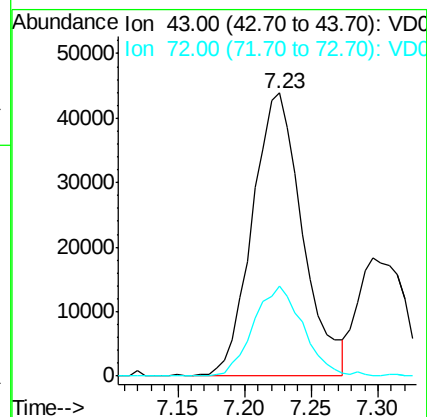
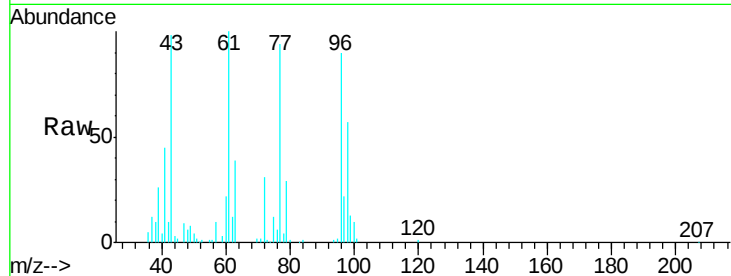
VSTDCCC050EC

Tgt Ion: 43 Resp: 114738

Ion Ratio Lower Upper

43 100

72 31.8 23.4 35.0



#26

2,2-Dichloropropane

Concen: 48.137 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064152.D

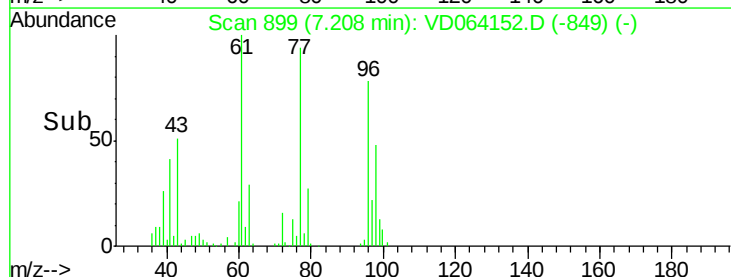
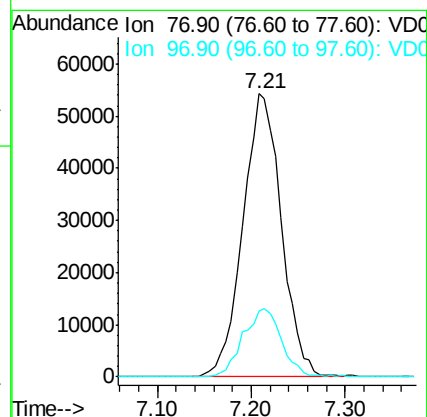
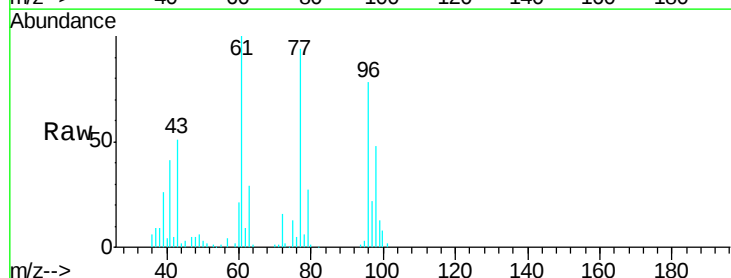
Acq: 01 Nov 2019 17:57

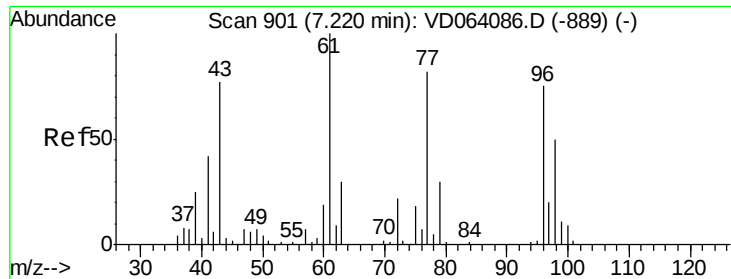
Tgt Ion: 77 Resp: 153975

Ion Ratio Lower Upper

77 100

97 24.0 11.2 33.5



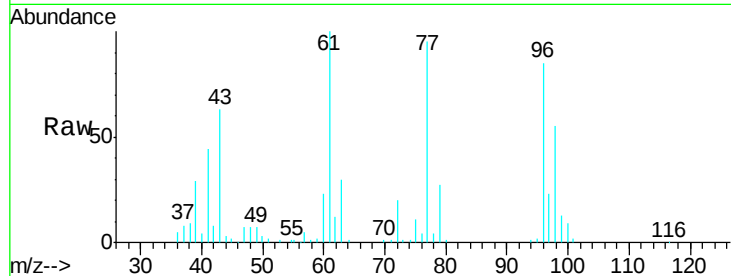


#27

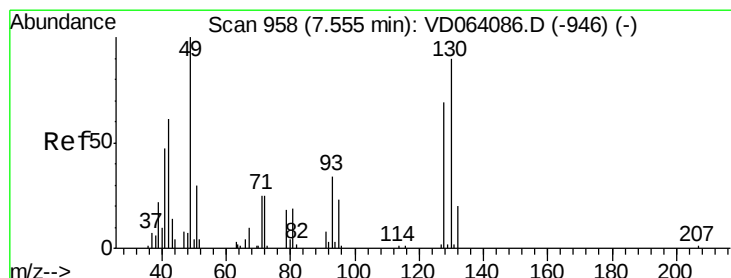
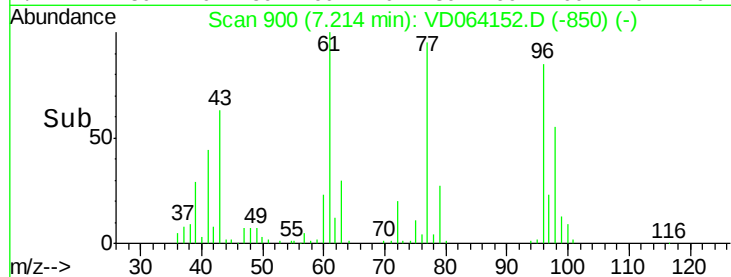
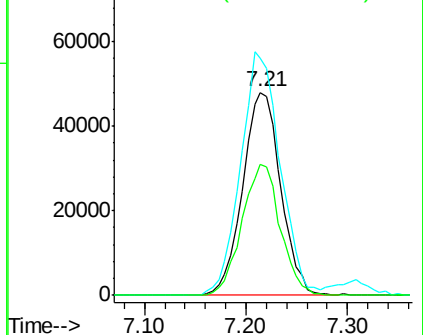
cis-1,2-Dichloroethene
Concen: 51.550 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 124672
Ion Ratio Lower Upper
96 100
61 124.8 0.0 258.0
98 64.9 0.0 130.8



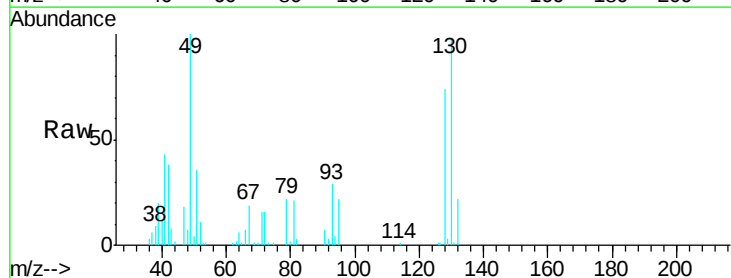
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



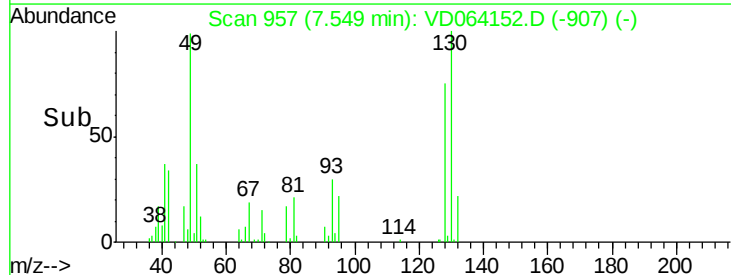
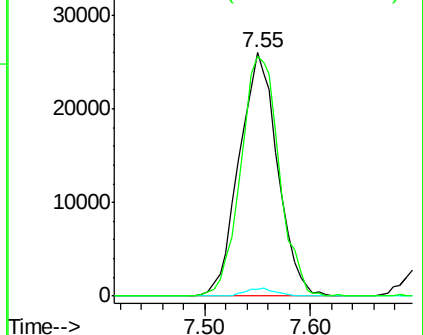
#28

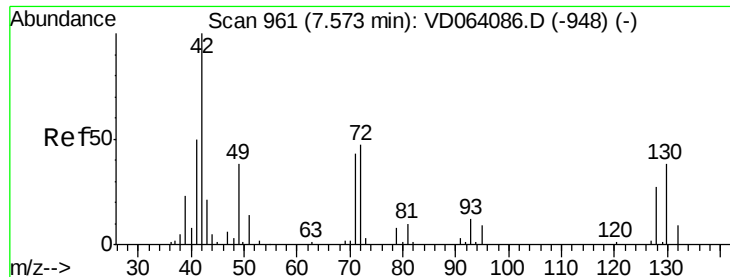
Bromochloromethane
Concen: 49.991 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 49 Resp: 65672
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.4
130 98.6 75.3 112.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 263.854 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

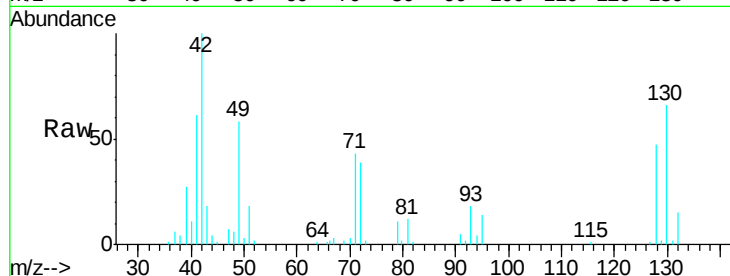
Tgt Ion: 42 Resp: 71502

Ion Ratio Lower Upper

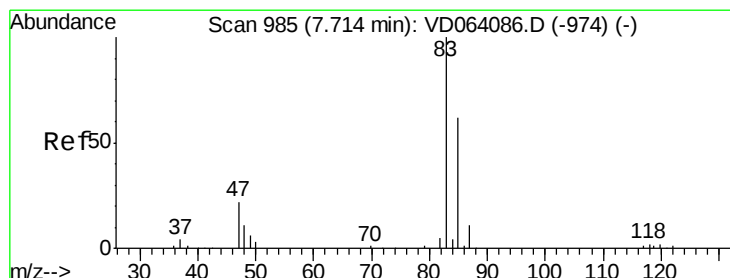
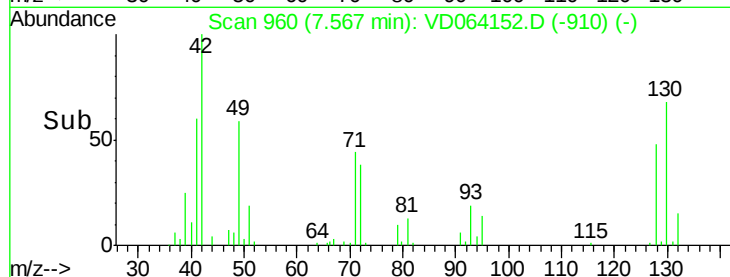
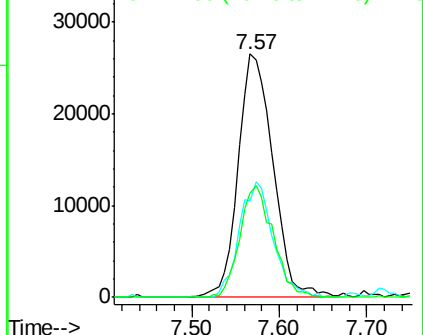
42 100

72 46.2 38.9 58.3

71 44.3 35.4 53.2



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



#30

Chloroform

Concen: 50.653 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064152.D

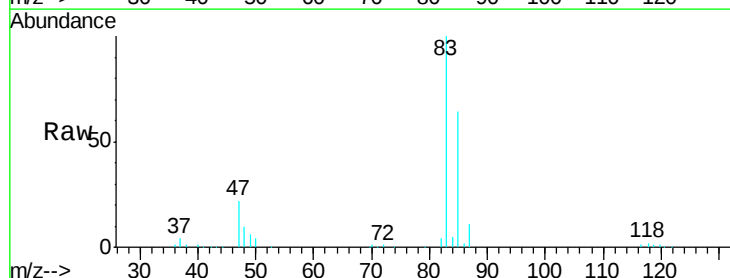
Acq: 01 Nov 2019 17:57

Tgt Ion: 83 Resp: 195341

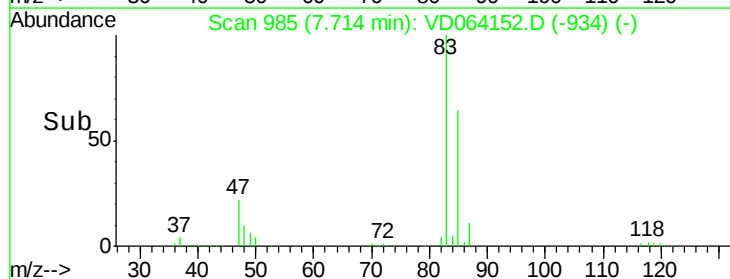
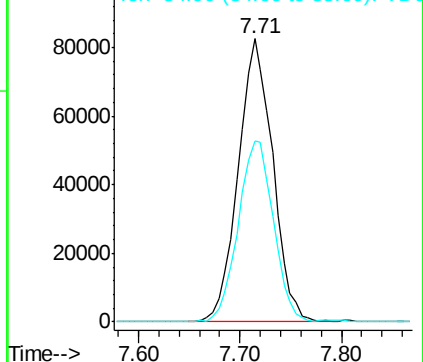
Ion Ratio Lower Upper

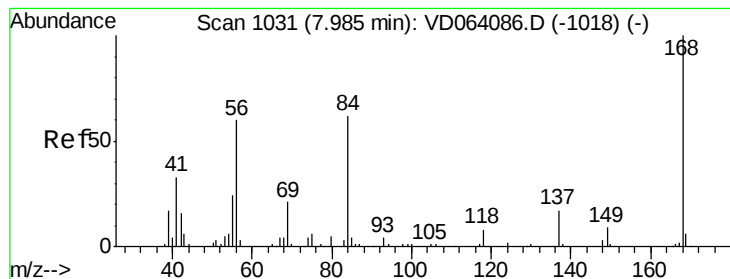
83 100

85 63.9 49.8 74.6



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





#31

Cyclohexane

Concen: 44.727 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

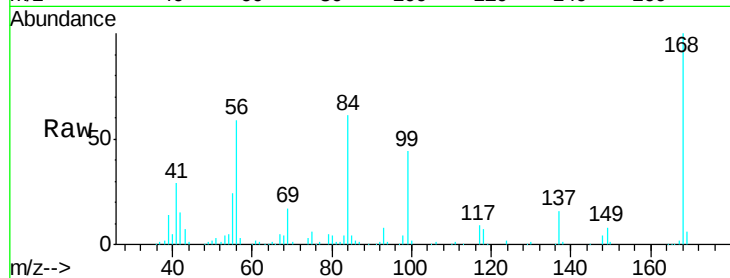
Tgt Ion: 56 Resp: 146855

Ion Ratio Lower Upper

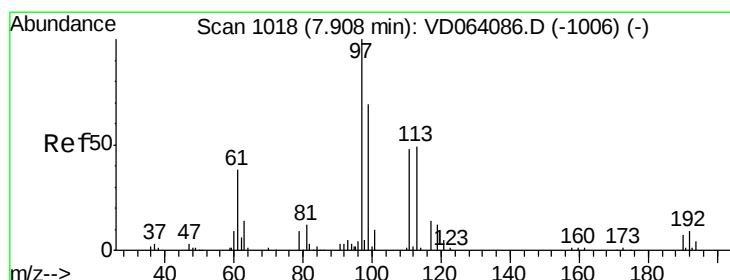
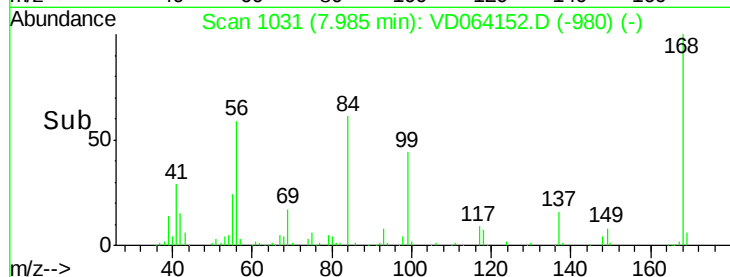
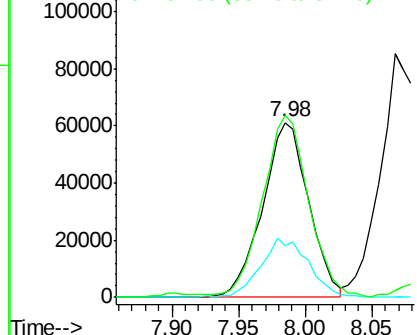
56 100

69 29.9 27.7 41.5

84 102.4 83.1 124.7



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: 49.663 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

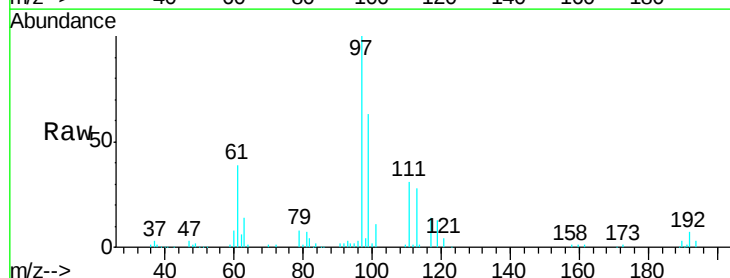
Tgt Ion: 97 Resp: 178281

Ion Ratio Lower Upper

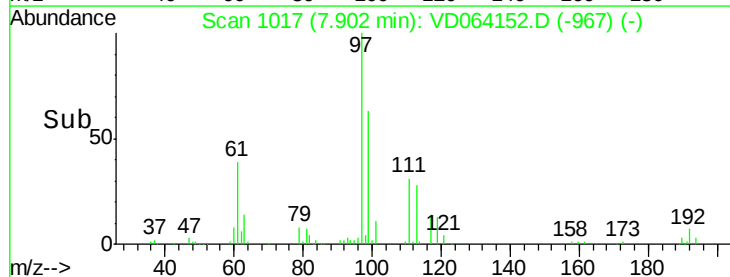
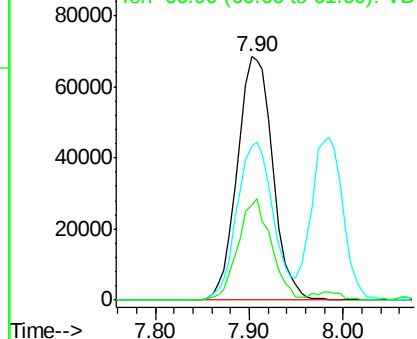
97 100

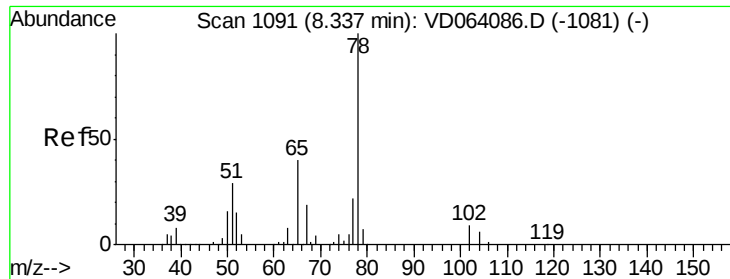
99 67.0 53.7 80.5

61 38.9 31.8 47.6



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

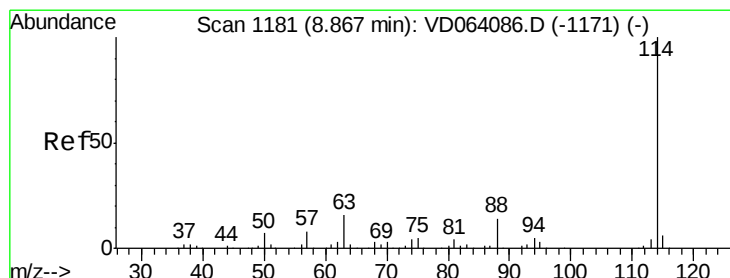
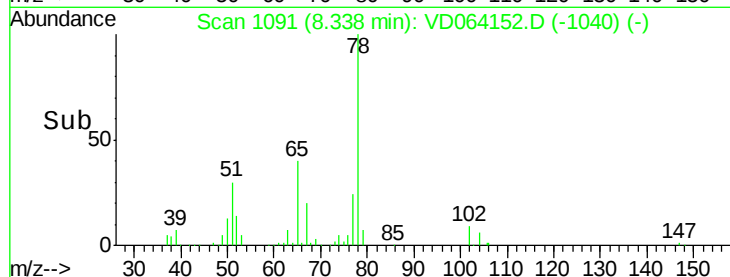
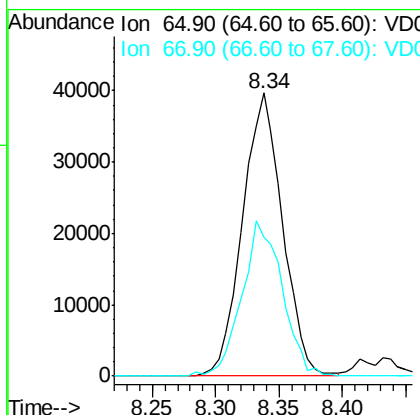
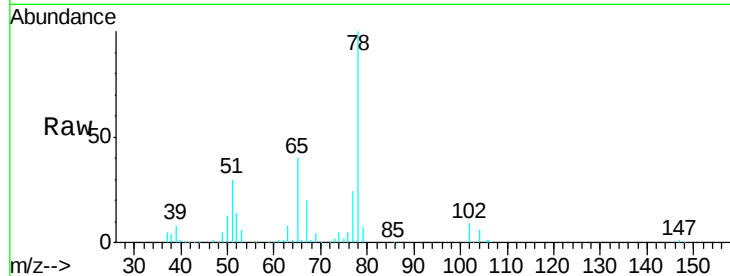




#33
 1,2-Dichloroethane-d4
 Concen: 49.214 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

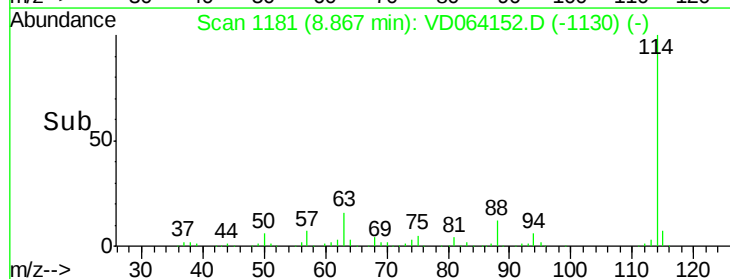
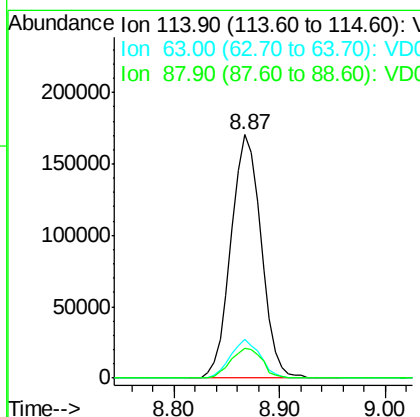
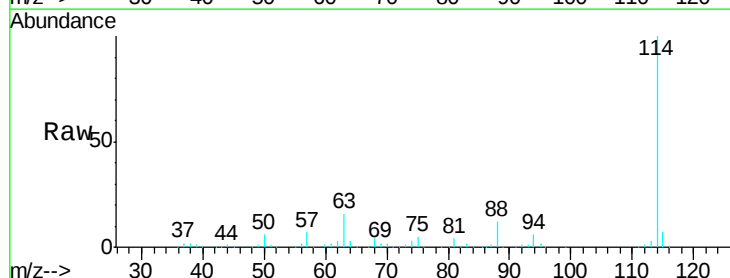
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

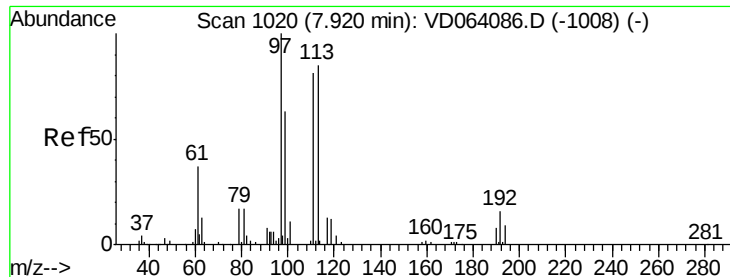
Tgt Ion: 65 Resp: 86875
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 114 Resp: 337018
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 32.8
 88 12.2 0.0 27.6

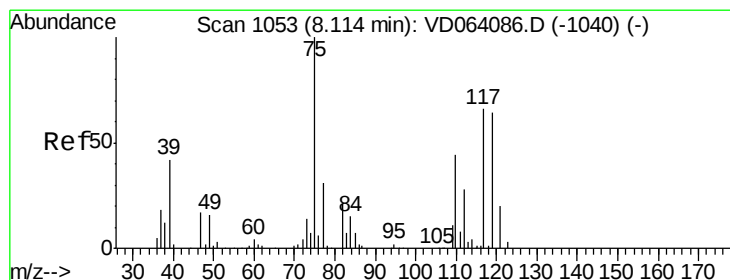
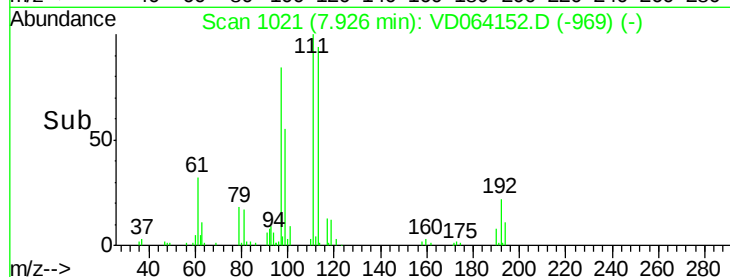
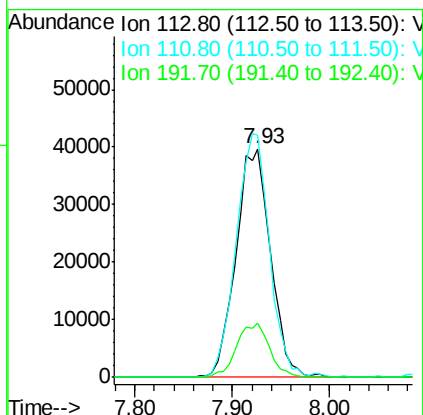
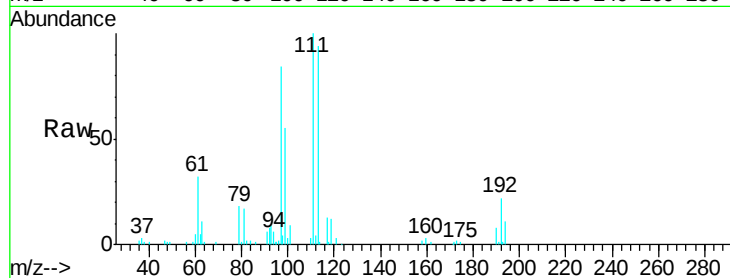




#35
 Dibromofluoromethane
 Concen: 47.405 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

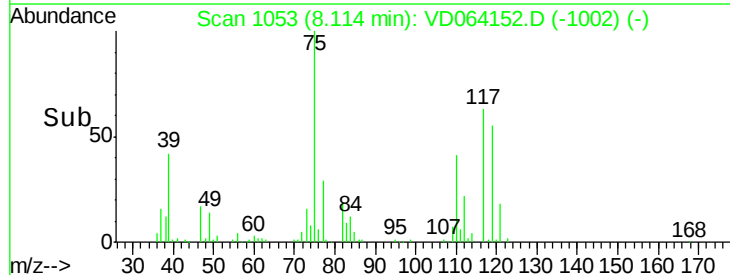
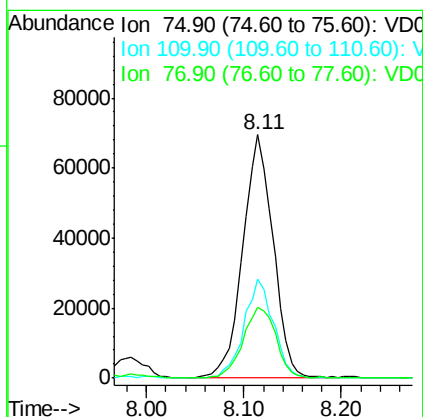
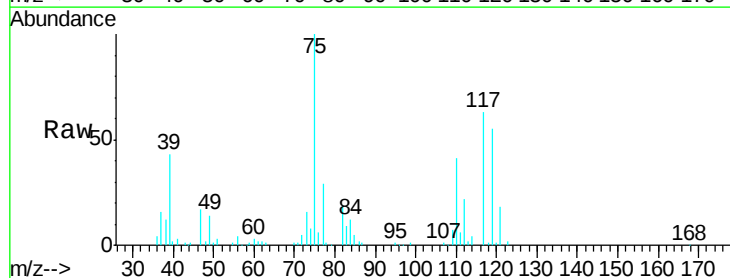
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

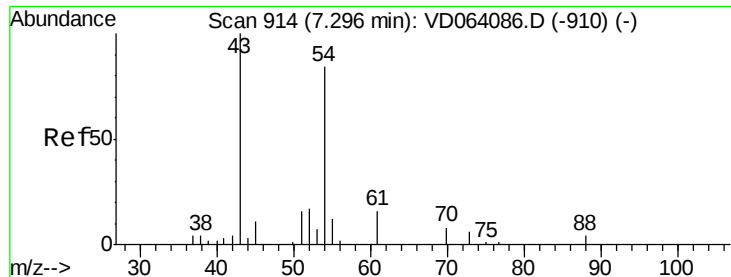
Tgt Ion:113 Resp: 98290
 Ion Ratio Lower Upper
 113 100
 111 102.6 79.3 118.9
 192 22.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 47.767 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 75 Resp: 150848
 Ion Ratio Lower Upper
 75 100
 110 39.5 20.0 59.9
 77 31.4 24.7 37.1

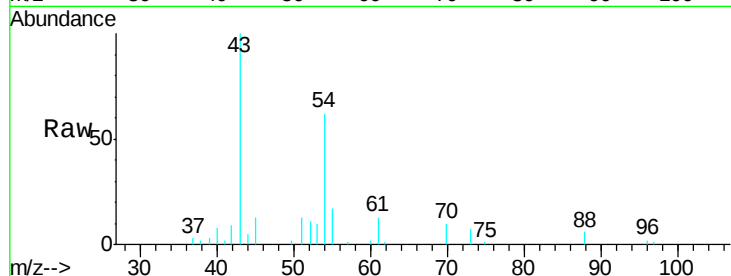




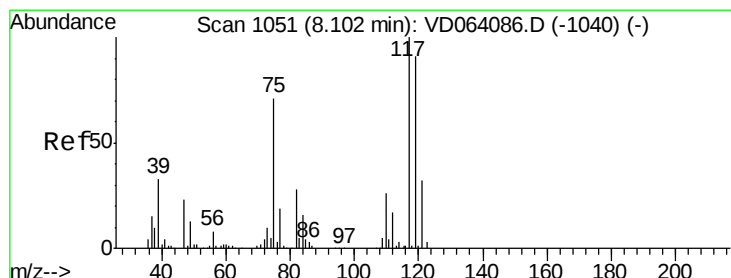
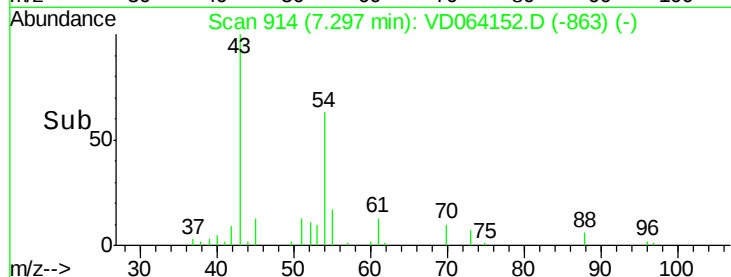
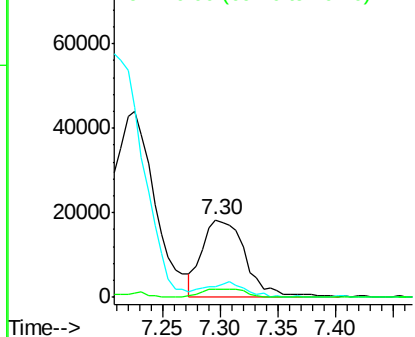
#37
Ethyl Acetate
Concen: 49.795 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 48402
Ion Ratio Lower Upper
43 100
61 16.0 12.0 18.0
70 11.0 3.8 5.6#

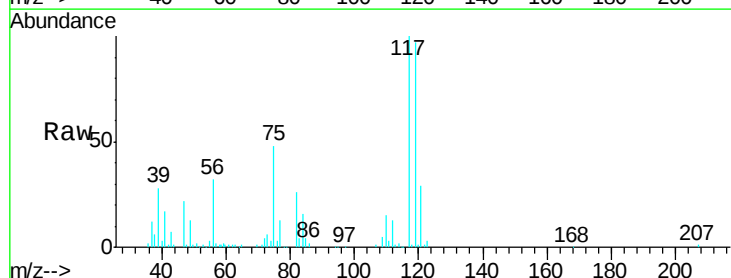


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

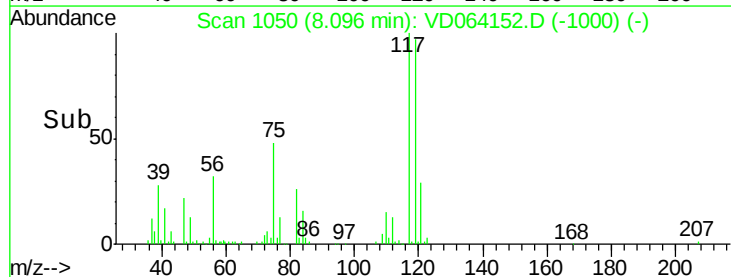
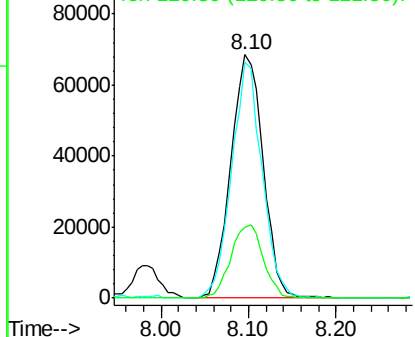


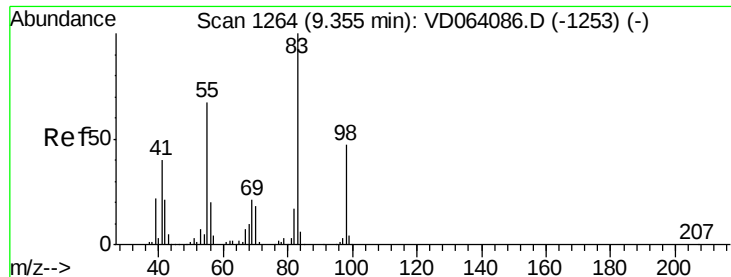
#38
Carbon Tetrachloride
Concen: 49.741 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 117 Resp: 171383
Ion Ratio Lower Upper
117 100
119 96.8 72.6 108.8
121 29.1 25.8 38.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

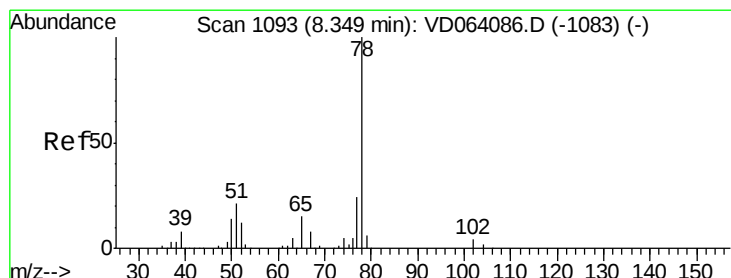
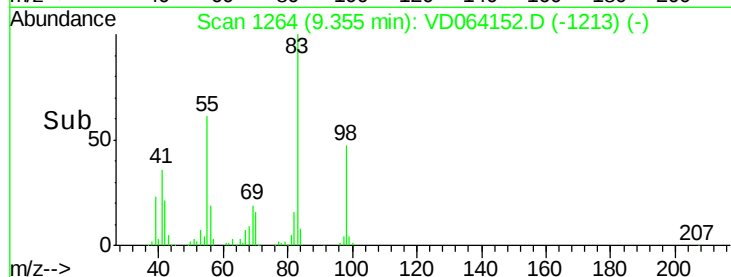
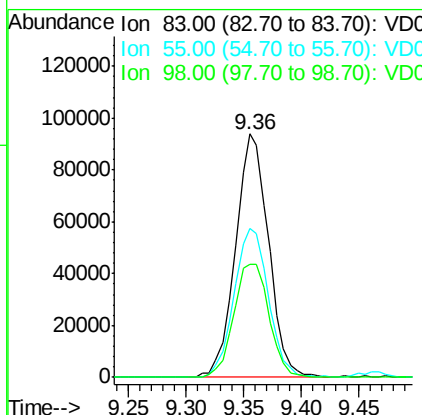
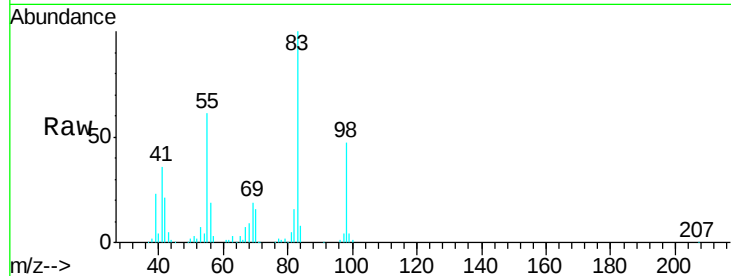




#39
Methylcyclohexane
Concen: 48.048 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

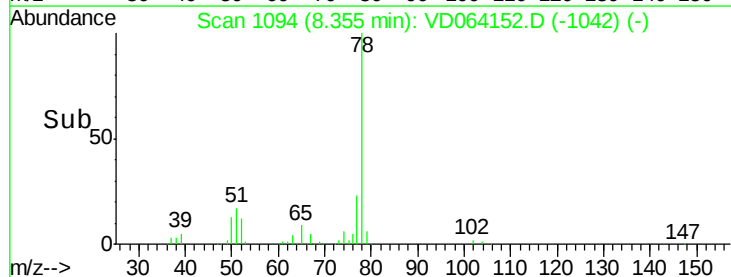
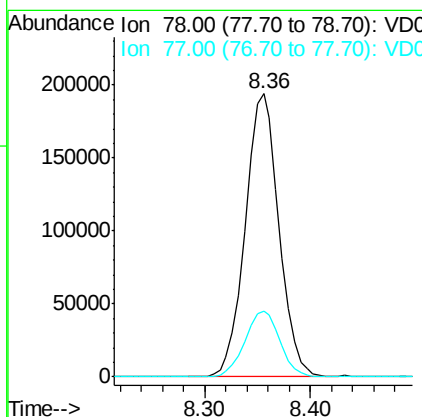
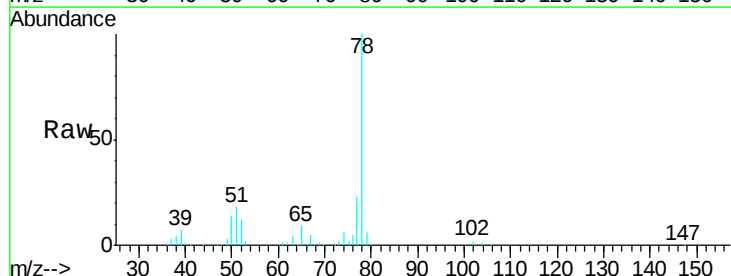
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

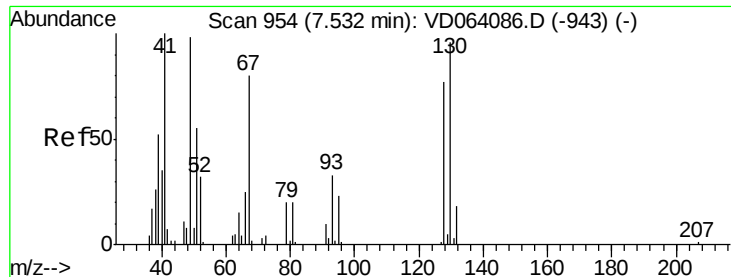
Tgt Ion: 83 Resp: 186263
Ion Ratio Lower Upper
83 100
55 61.2 53.4 80.0
98 46.6 37.8 56.6



#40
Benzene
Concen: 49.935 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 78 Resp: 430024
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4





#41

Methacrylonitrile

Concen: 31.778 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 17826

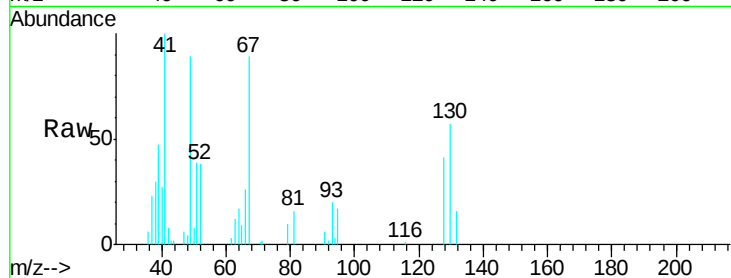
Ion Ratio Lower Upper

41 100

39 87.1 41.0 61.4#

67 135.1 73.4 110.0#

52 59.0 27.3 40.9#

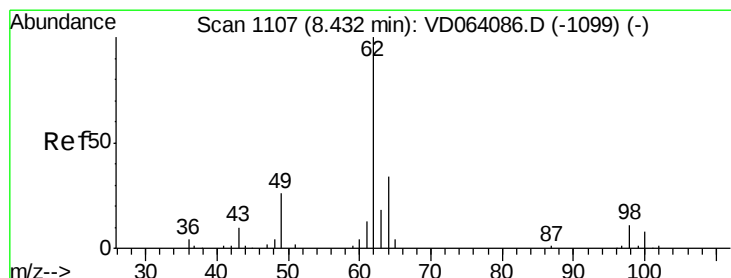
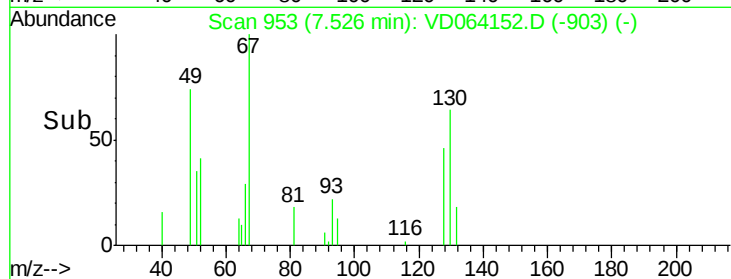
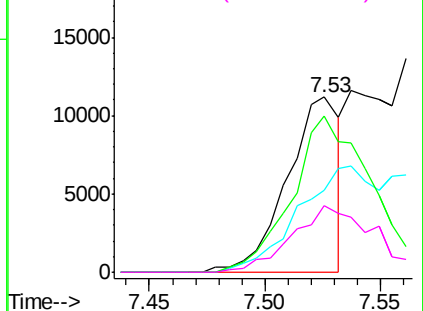


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.303 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064152.D

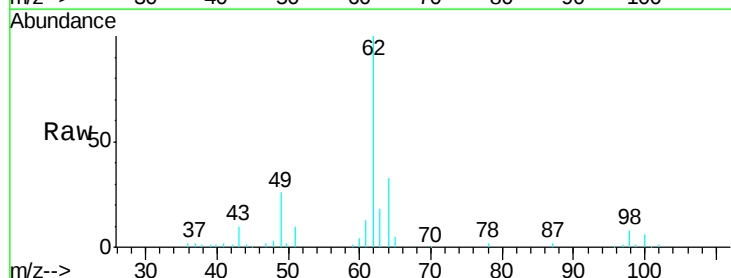
Acq: 01 Nov 2019 17:57

Tgt Ion: 62 Resp: 116702

Ion Ratio Lower Upper

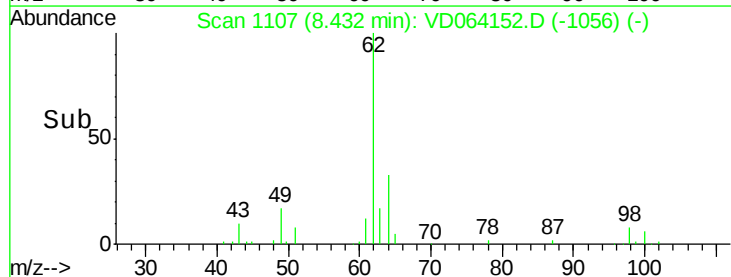
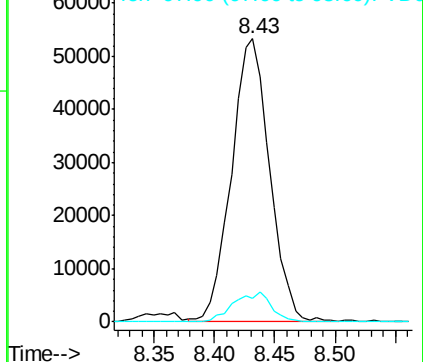
62 100

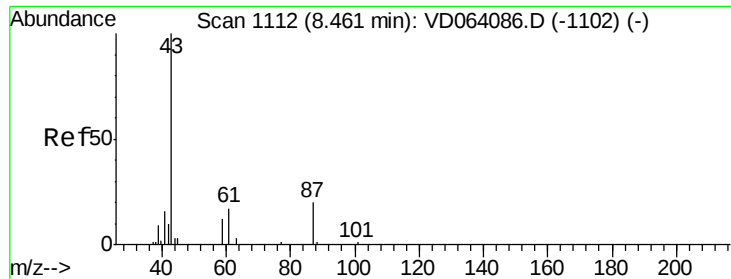
98 10.4 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

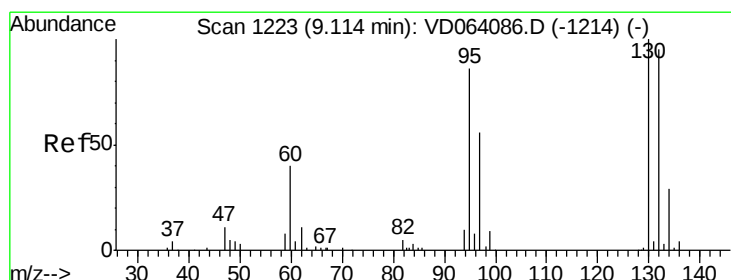
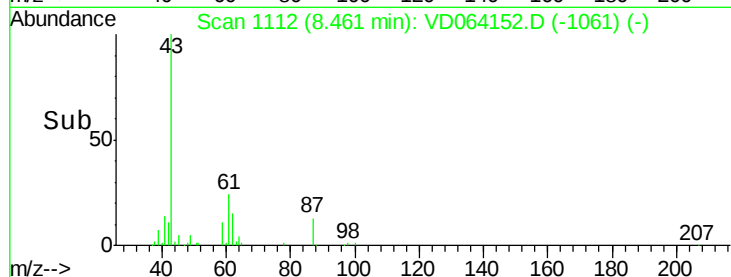
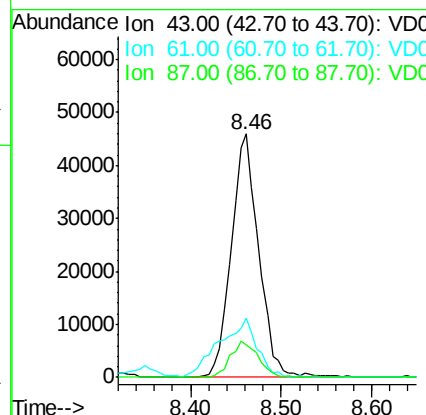
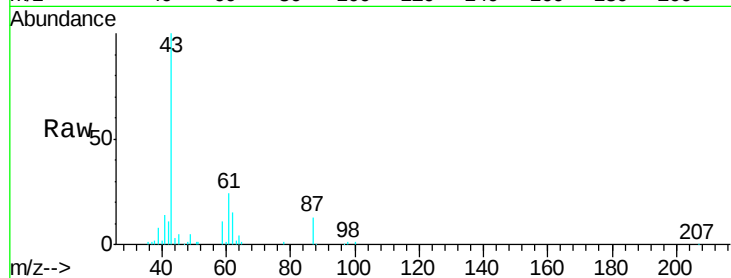




#43
Isopropyl Acetate
Concen: 49.000 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

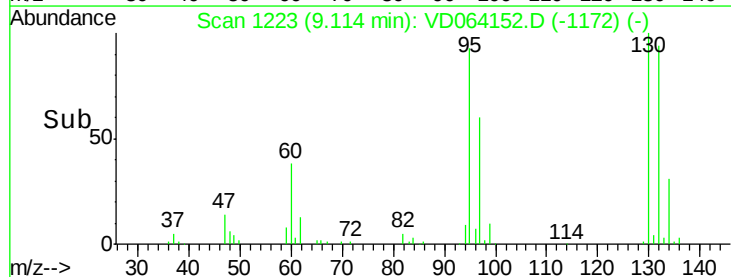
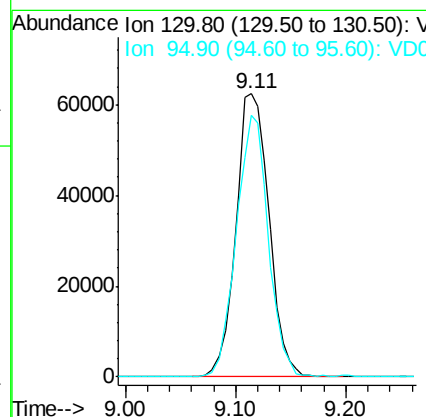
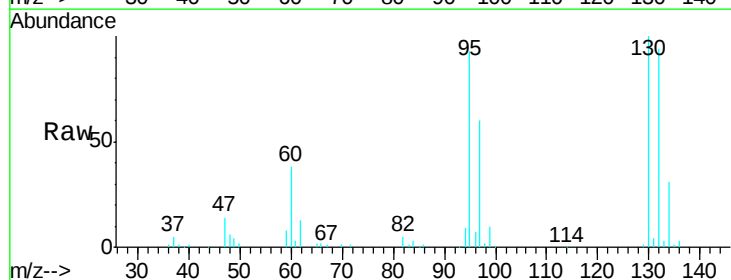
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

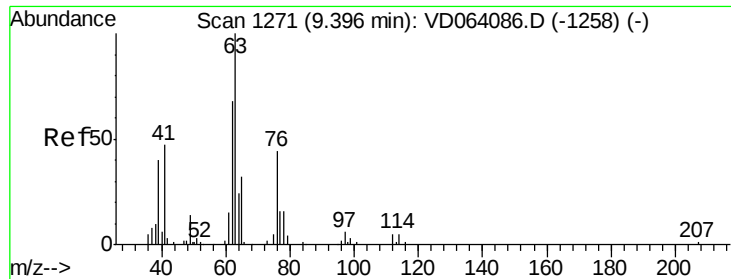
Tgt Ion: 43 Resp: 96257
Ion Ratio Lower Upper
43 100
61 33.5 25.8 38.8
87 14.9 13.0 19.4



#44
Trichloroethene
Concen: 50.351 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 130 Resp: 131422
Ion Ratio Lower Upper
130 100
95 92.6 0.0 173.0





#45

1,2-Dichloropropane

Concen: 50.020 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

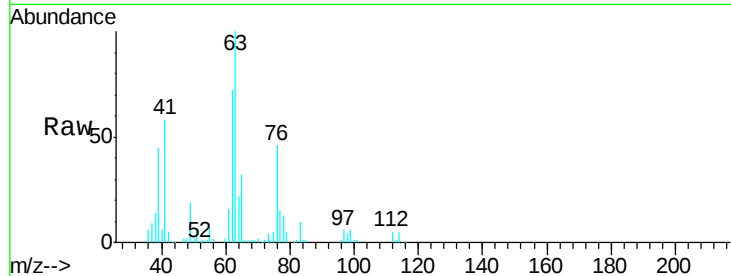
VSTDCCC050EC

Tgt Ion: 63 Resp: 99828

Ion Ratio Lower Upper

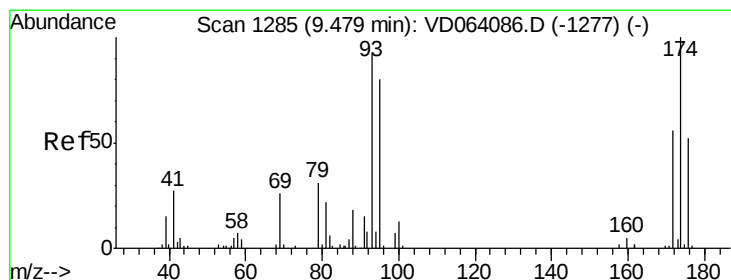
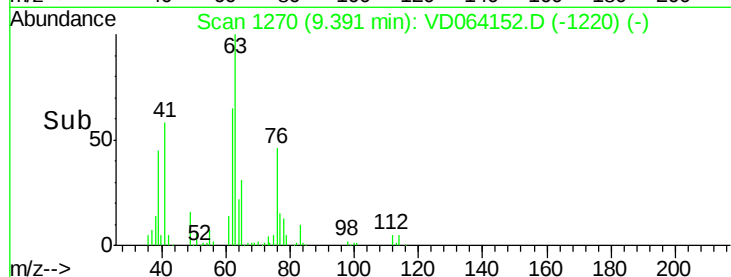
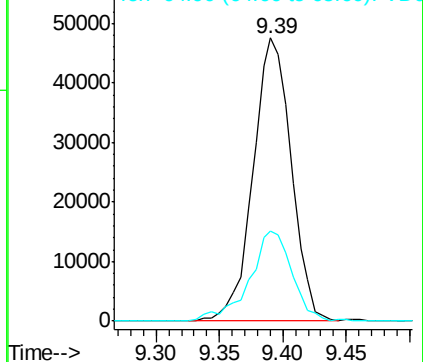
63 100

65 31.8 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.520 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

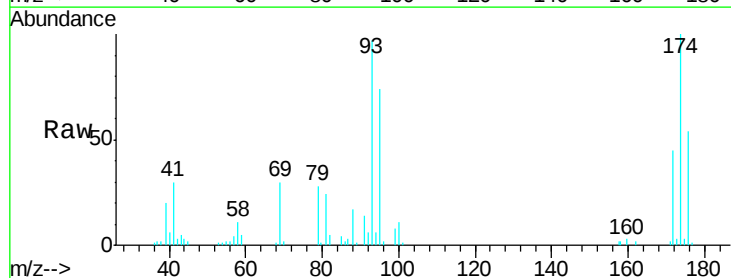
Tgt Ion: 93 Resp: 59522

Ion Ratio Lower Upper

93 100

95 85.0 67.4 101.2

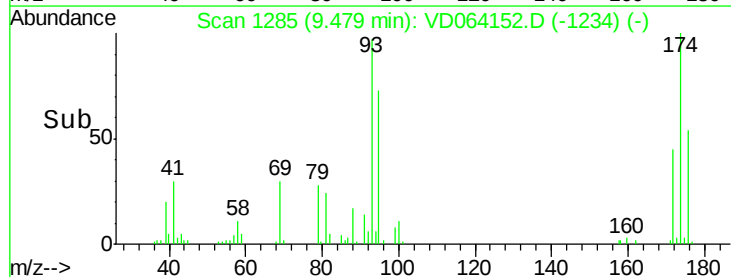
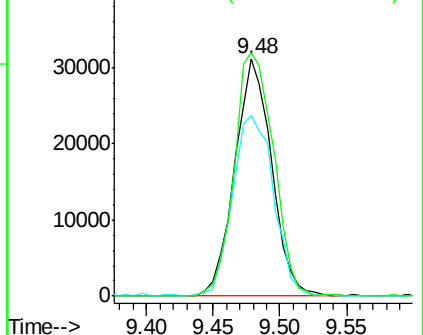
174 109.5 86.4 129.6

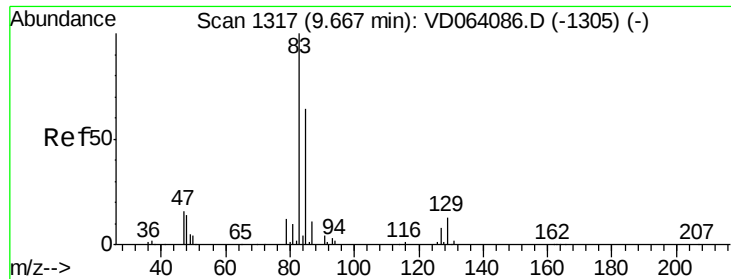


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 50.021 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

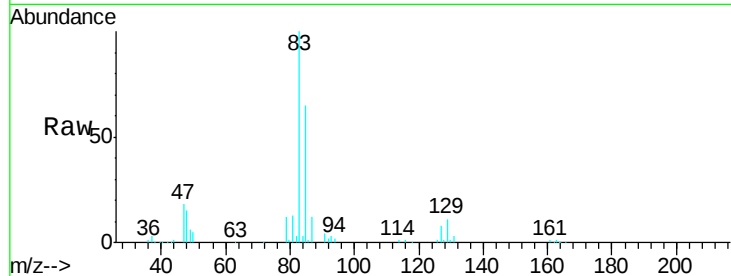
Tgt Ion: 83 Resp: 151679

Ion Ratio Lower Upper

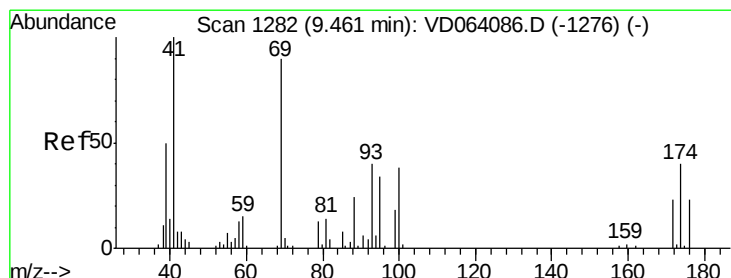
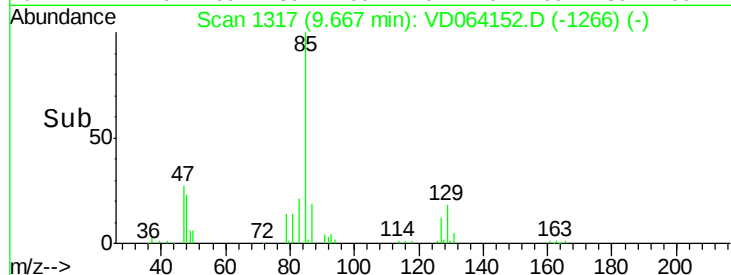
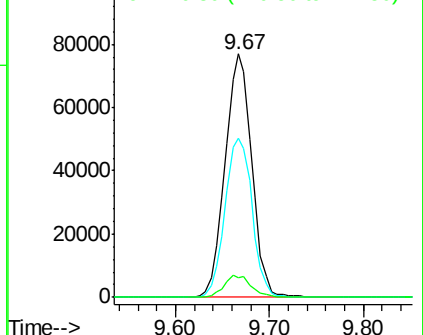
83 100

85 65.4 51.4 77.0

127 7.9 6.7 10.1



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: 49.920 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

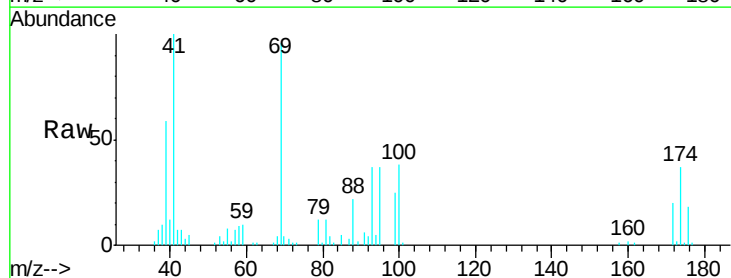
Tgt Ion: 41 Resp: 45348

Ion Ratio Lower Upper

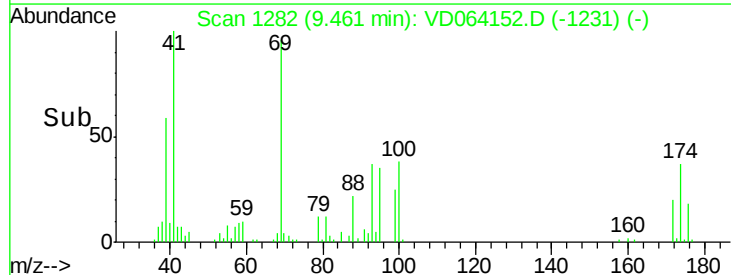
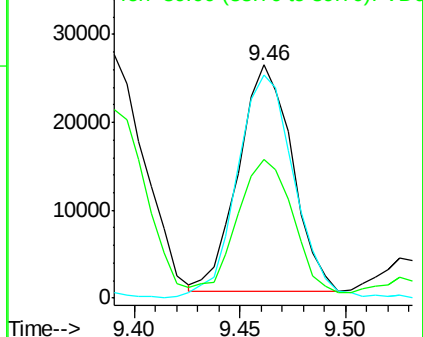
41 100

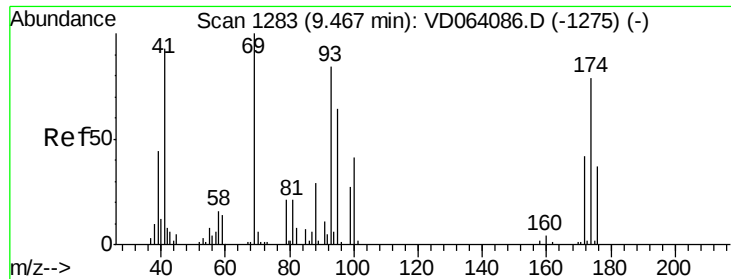
69 105.3 82.6 124.0

39 65.9 47.0 70.4



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





#49

1,4-Dioxane

Concen: 1081.287 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

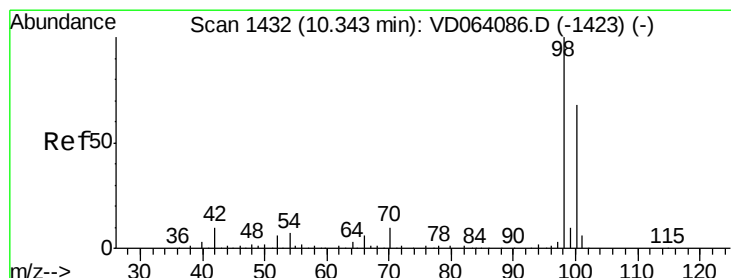
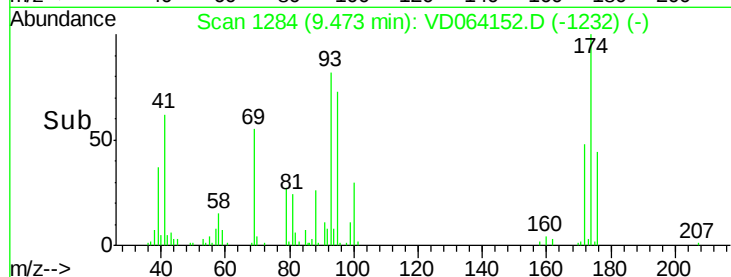
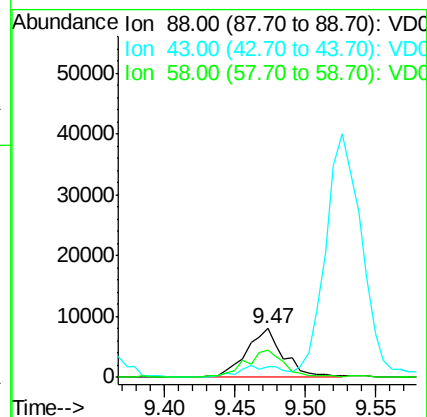
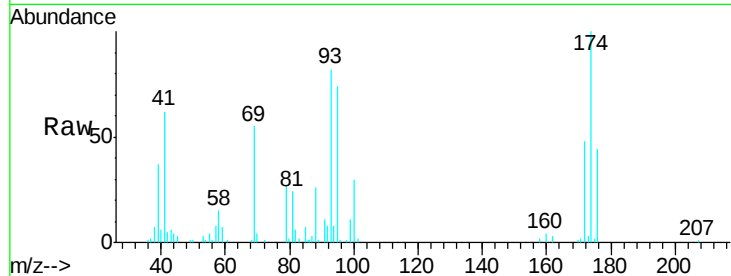
Tgt Ion: 88 Resp: 14877

Ion Ratio Lower Upper

88 100

43 27.1 13.4 20.0#

58 59.4 46.7 70.1



#50

Toluene-d8

Concen: 47.481 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064152.D

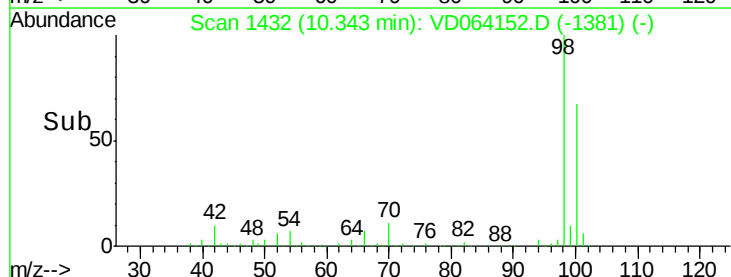
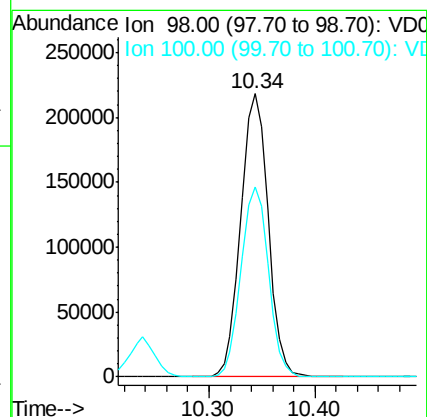
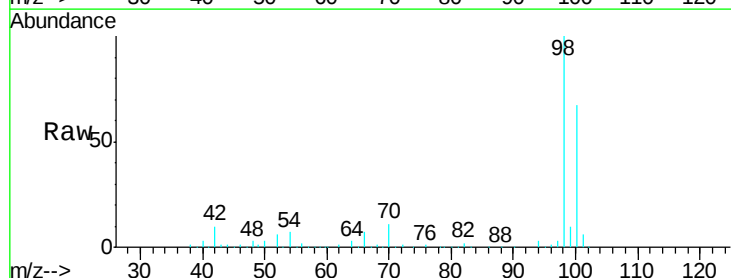
Acq: 01 Nov 2019 17:57

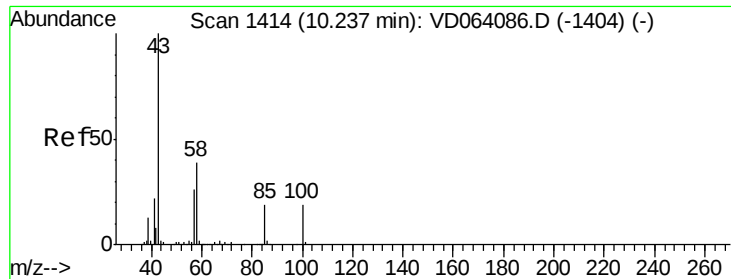
Tgt Ion: 98 Resp: 393710

Ion Ratio Lower Upper

98 100

100 66.9 53.4 80.0

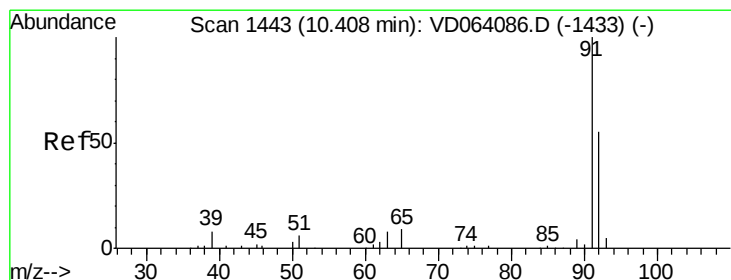
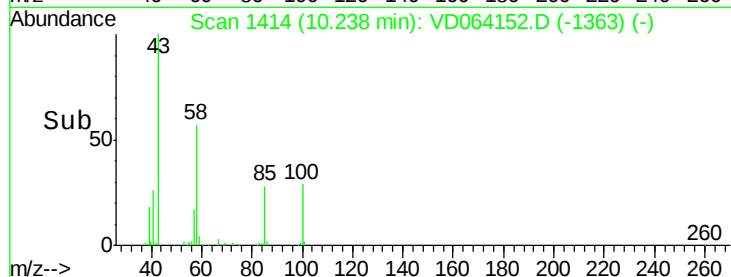
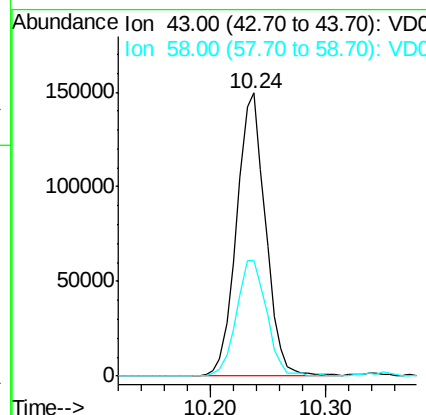
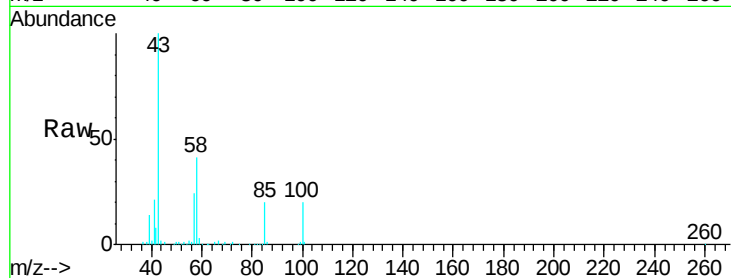




#51
4-Methyl-2-Pentanone
Concen: 242.930 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

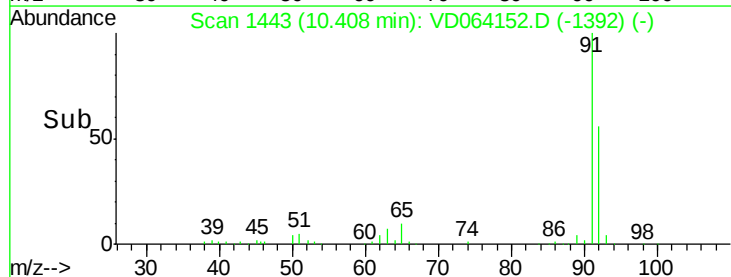
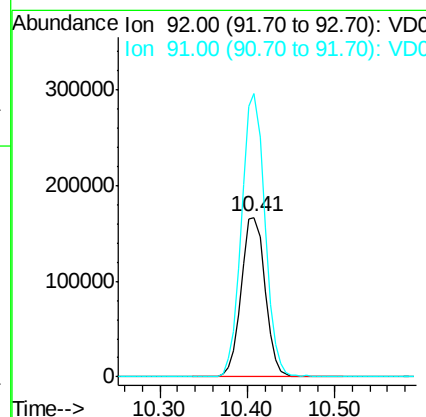
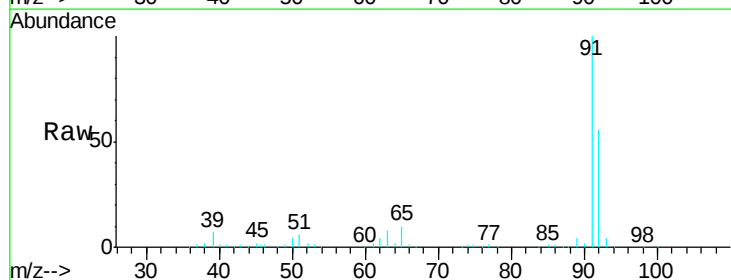
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

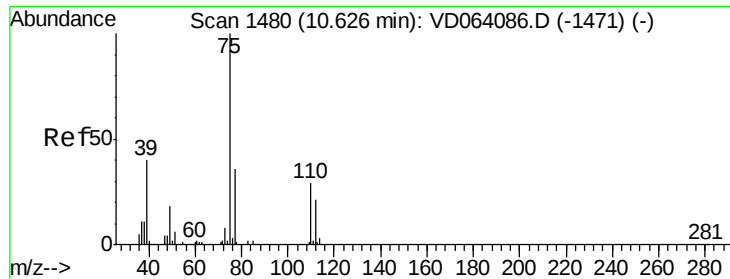
Tgt Ion: 43 Resp: 259795
Ion Ratio Lower Upper
43 100
58 42.5 33.0 49.4



#52
Toluene
Concen: 50.759 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 92 Resp: 306333
Ion Ratio Lower Upper
92 100
91 173.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 51.290 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

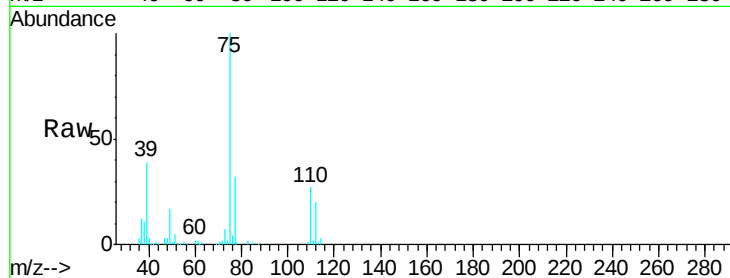
VSTDCCC050EC

Tgt Ion: 75 Resp: 145178

Ion Ratio Lower Upper

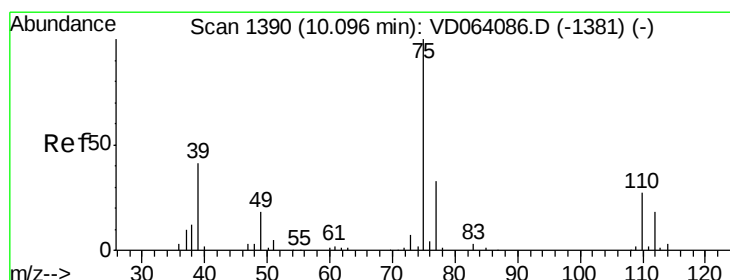
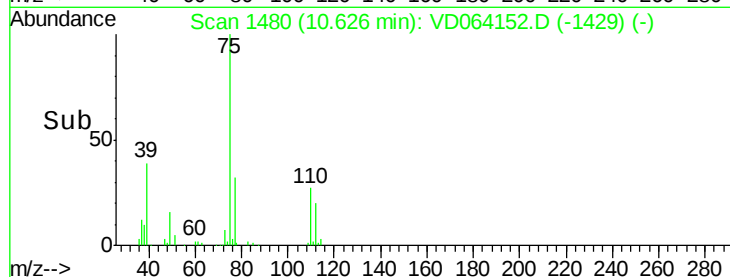
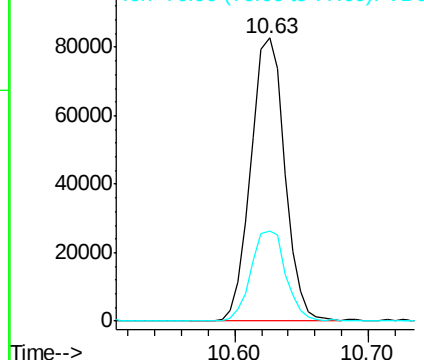
75 100

77 31.7 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.218 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

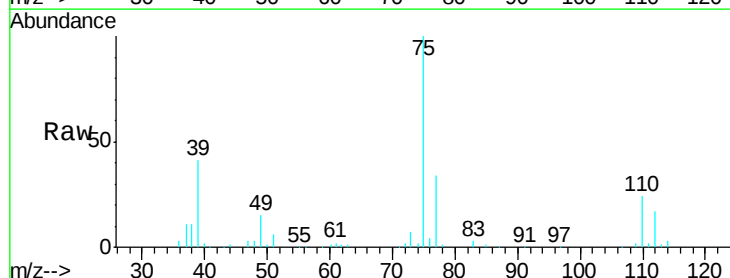
Tgt Ion: 75 Resp: 170565

Ion Ratio Lower Upper

75 100

77 33.6 26.8 40.2

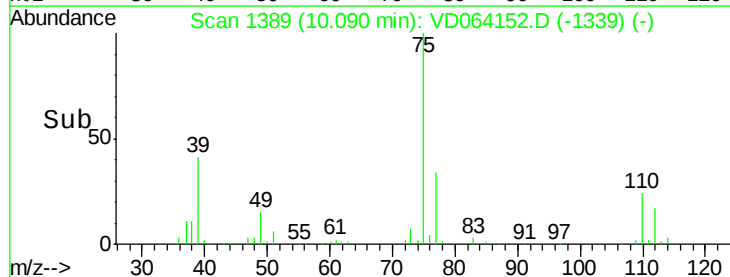
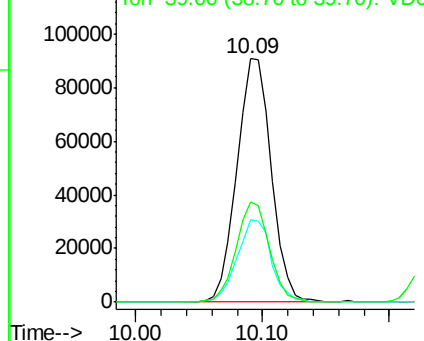
39 41.2 32.7 49.1

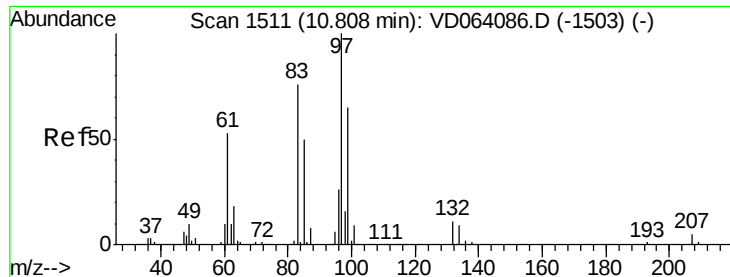


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 48.131 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 82023

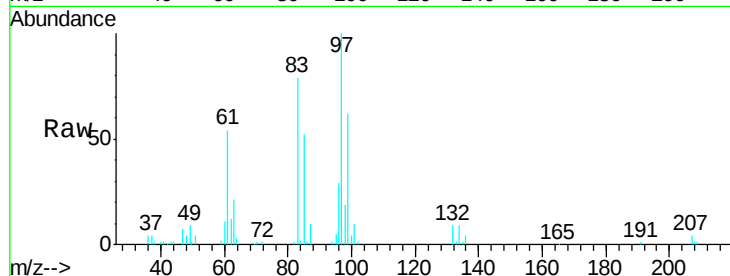
Ion Ratio Lower Upper

97 100

83 78.5 60.9 91.3

85 52.1 40.2 60.2

99 61.7 51.9 77.9

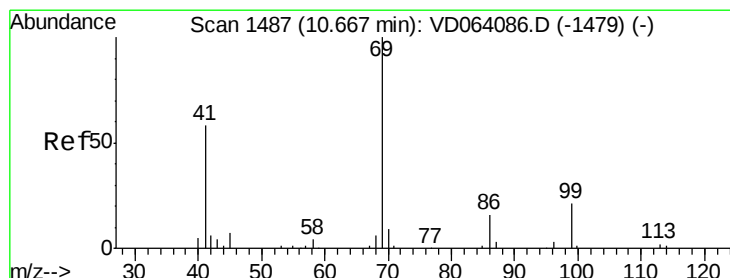
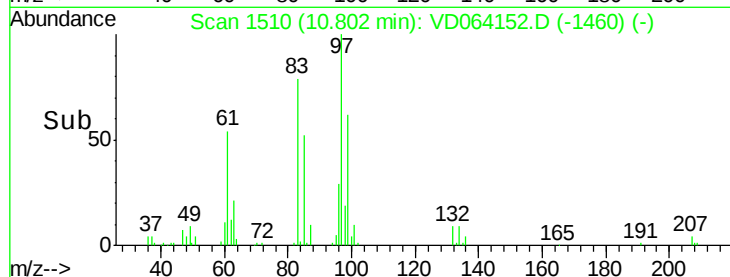
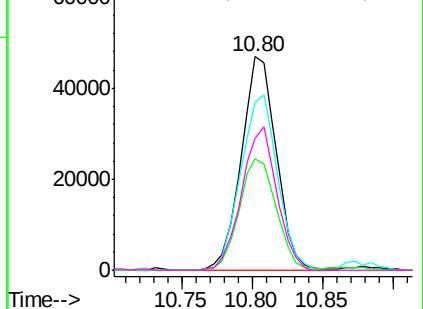


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 47.802 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

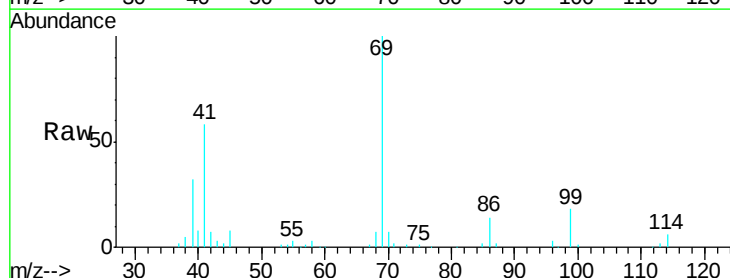
Tgt Ion: 69 Resp: 98719

Ion Ratio Lower Upper

69 100

41 59.3 46.9 70.3

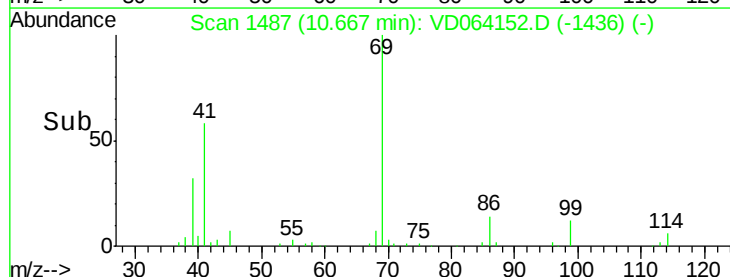
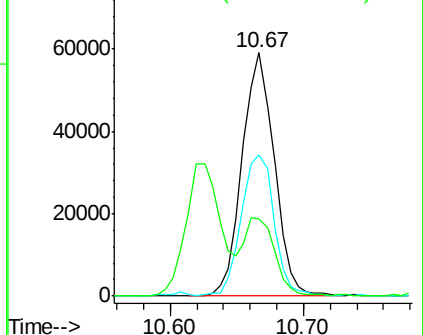
39 29.8 27.3 40.9

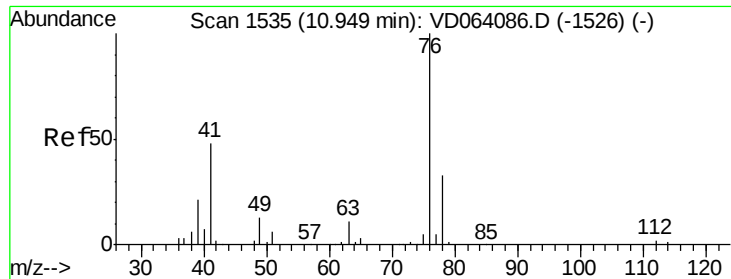


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

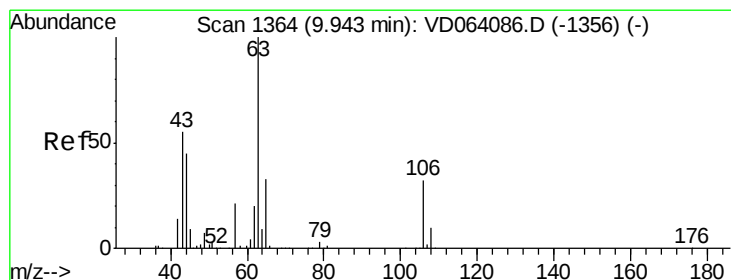
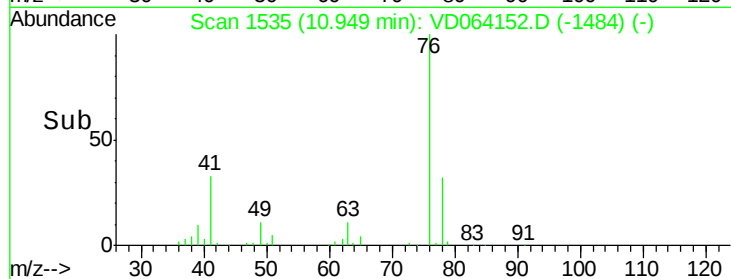
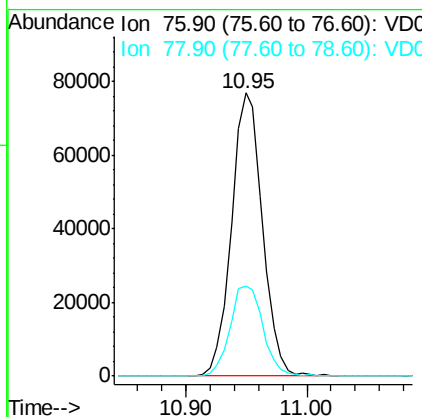
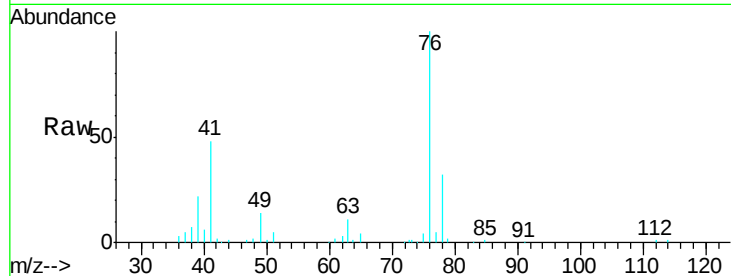




#57
 1,3-Dichloropropane
 Concen: 48.533 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

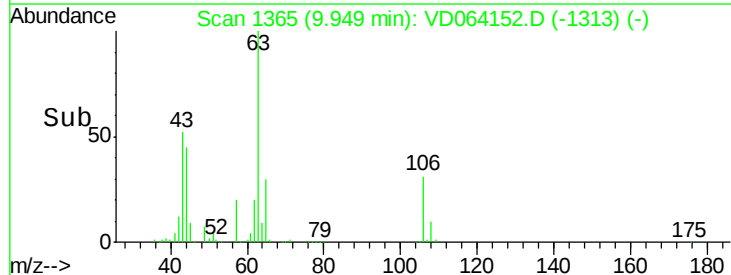
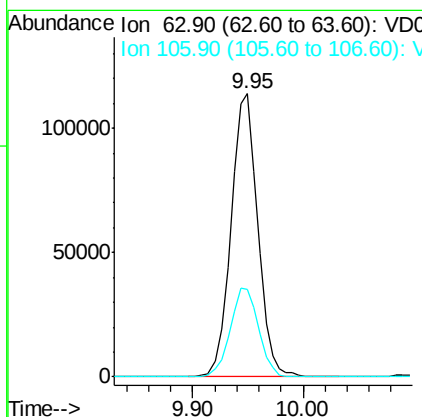
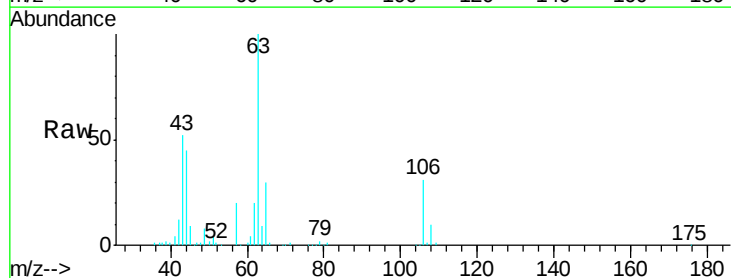
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

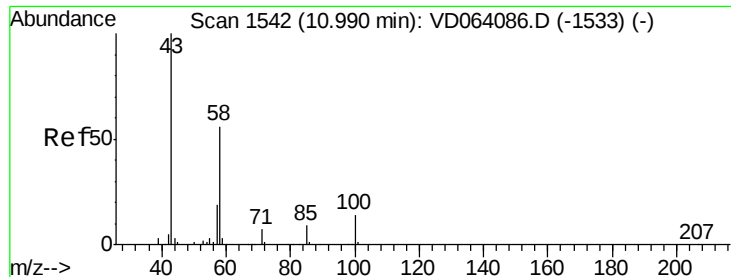
Tgt Ion: 76 Resp: 136784
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.381 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 63 Resp: 193653
 Ion Ratio Lower Upper
 63 100
 106 33.1 25.8 38.8

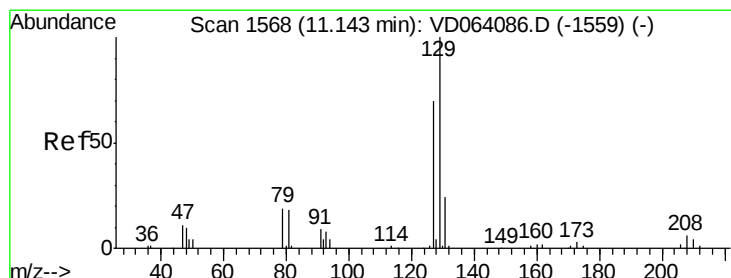
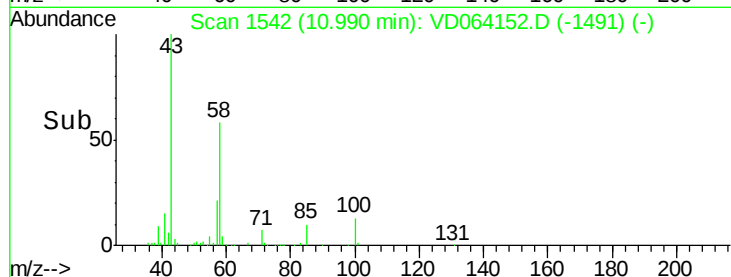
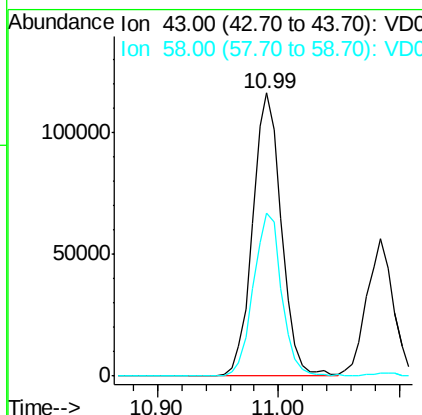
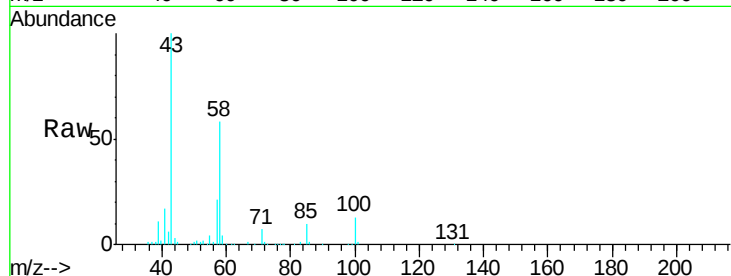




#59
2-Hexanone
Concen: 231.728 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

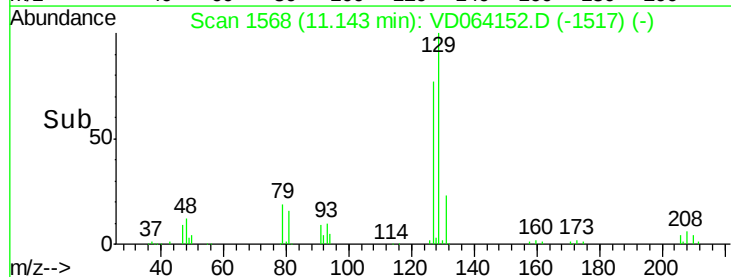
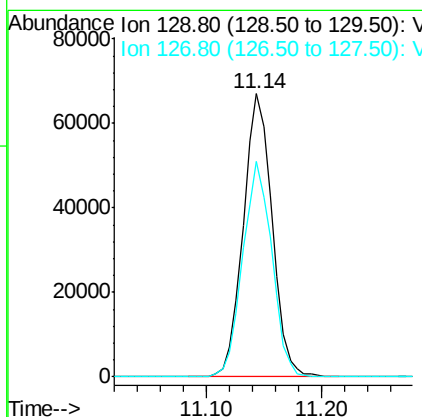
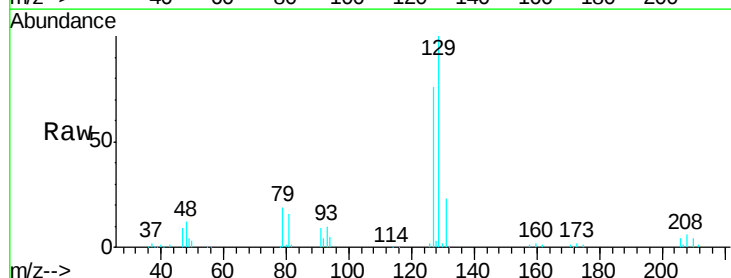
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

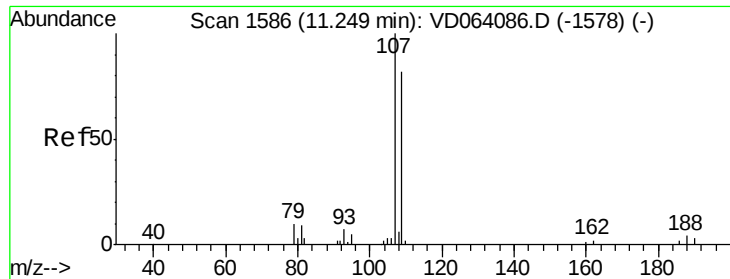
Tgt Ion: 43 Resp: 193688
Ion Ratio Lower Upper
43 100
58 56.8 29.2 87.6



#60
Dibromochloromethane
Concen: 50.411 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 129 Resp: 116601
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8

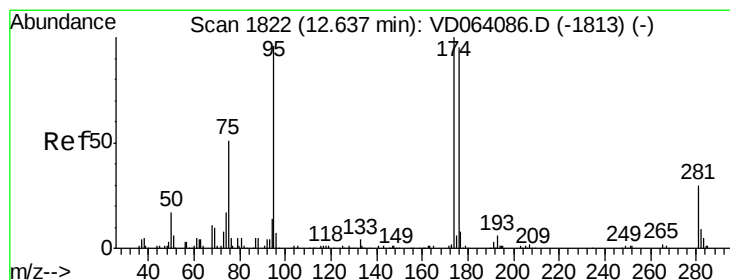
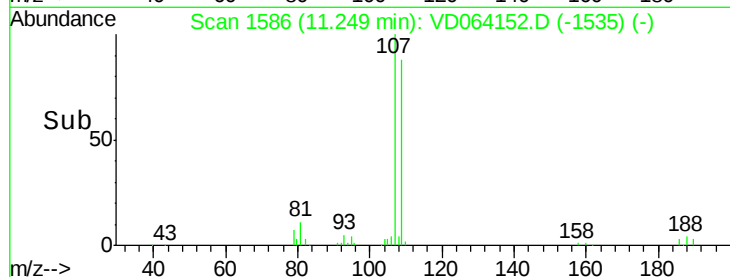
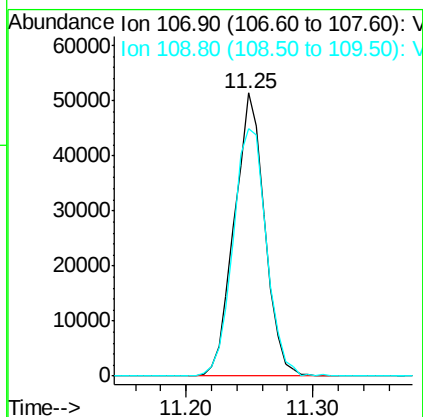
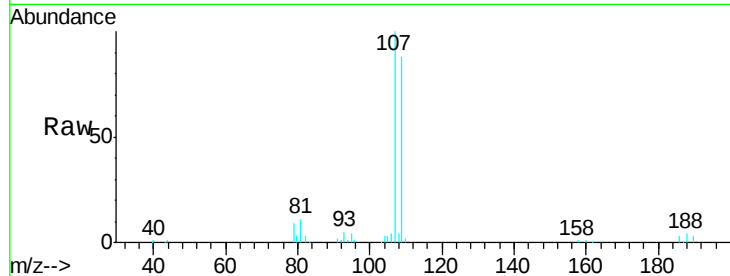




#61
 1,2-Dibromoethane
 Concen: 49.914 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

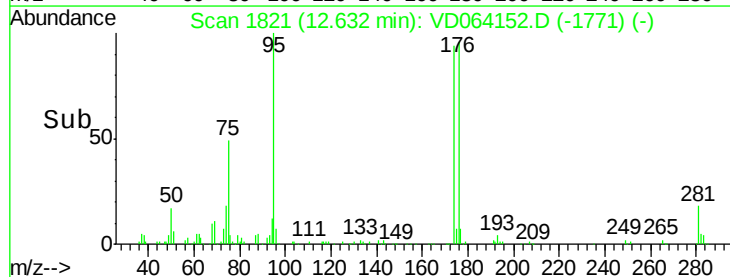
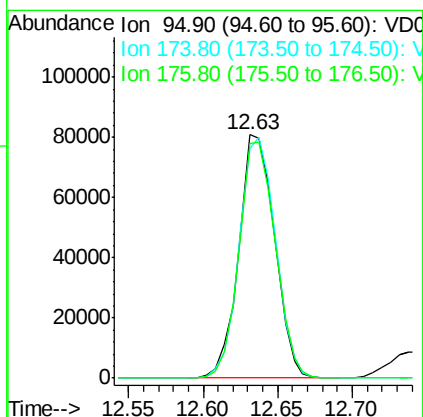
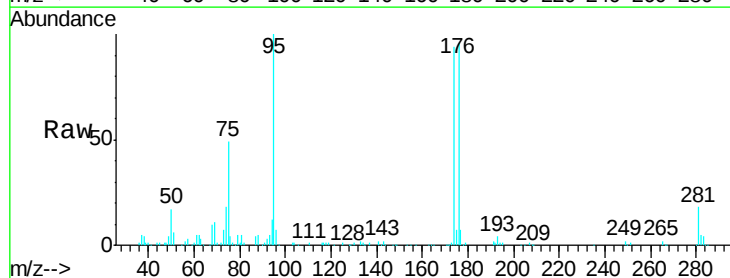
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

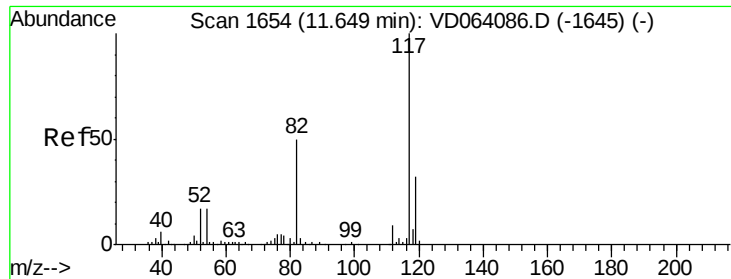
Tgt Ion: 107 Resp: 85074
 Ion Ratio Lower Upper
 107 100
 109 96.2 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 49.104 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 95 Resp: 134990
 Ion Ratio Lower Upper
 95 100
 174 99.9 0.0 201.6
 176 97.8 0.0 192.6

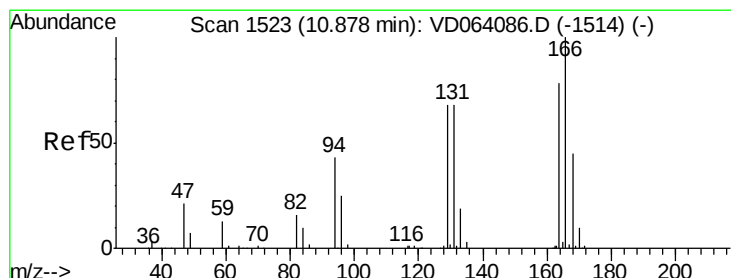
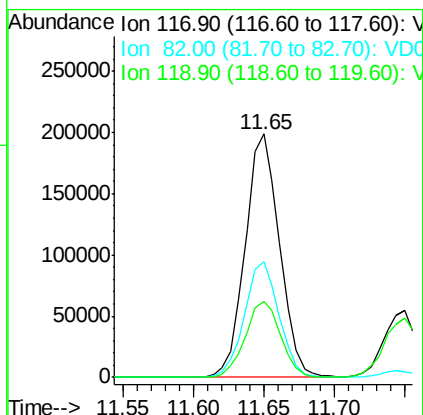
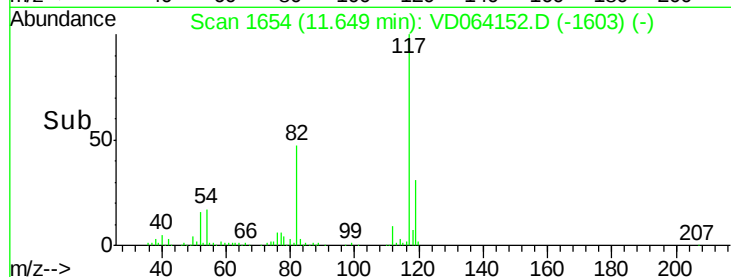
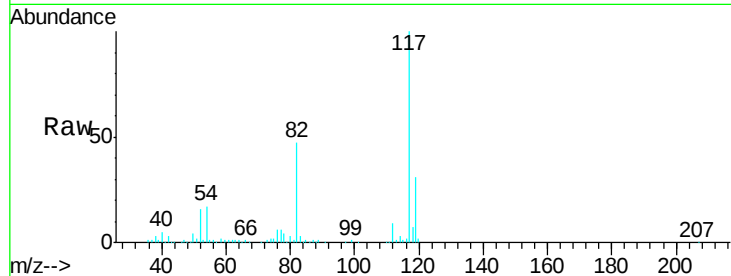




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

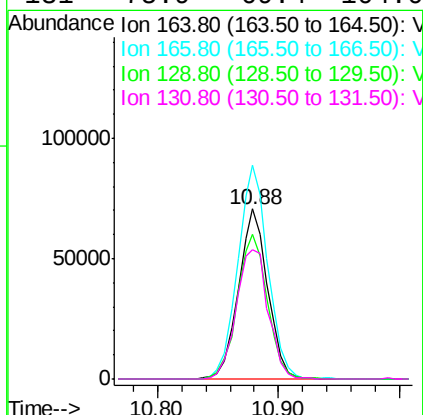
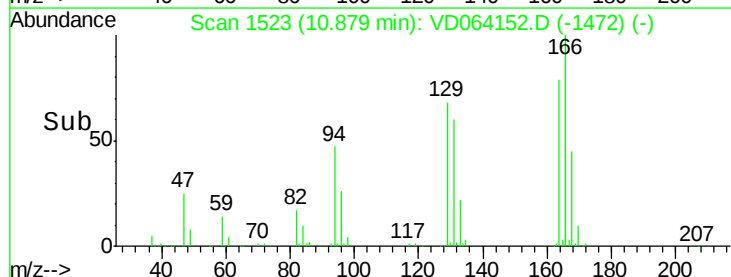
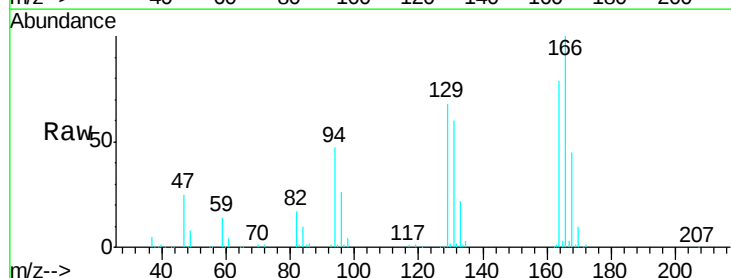
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

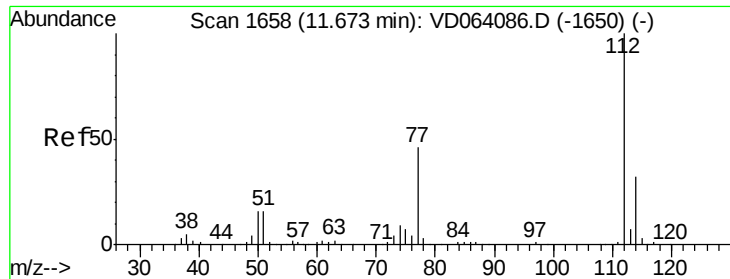
Tgt Ion:117 Resp: 339187
Ion Ratio Lower Upper
117 100
82 47.5 40.2 60.4
119 31.2 26.0 39.0



#64
Tetrachloroethene
Concen: 48.660 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion:164 Resp: 118572
Ion Ratio Lower Upper
164 100
166 125.8 102.7 154.1
129 85.2 69.8 104.6
131 75.9 69.4 104.0





#65

Chlorobenzene

Concen: 51.308 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

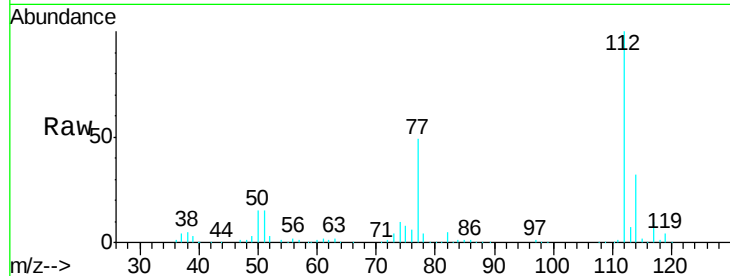
VSTDCCC050EC

Tgt Ion:112 Resp: 359585

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

200000

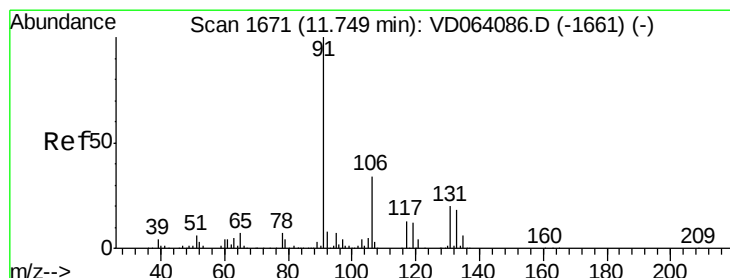
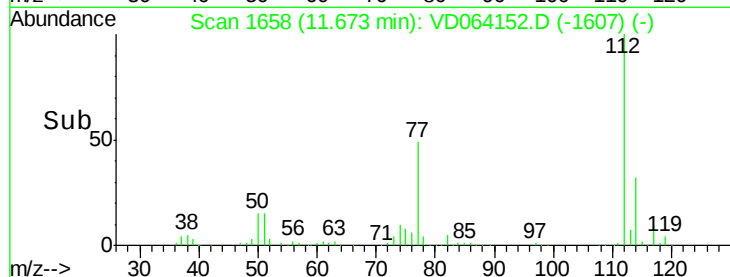
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.796 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

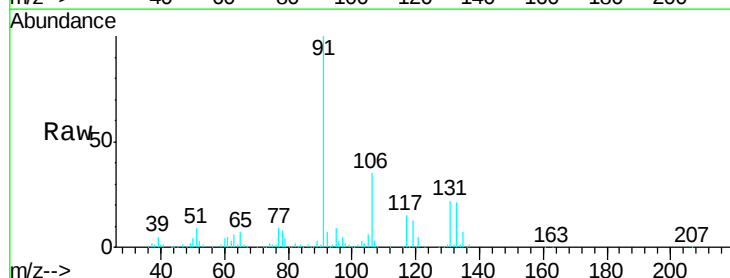
Tgt Ion:131 Resp: 133208

Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.9

119 62.4 31.4 94.3



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

11.74

100000

80000

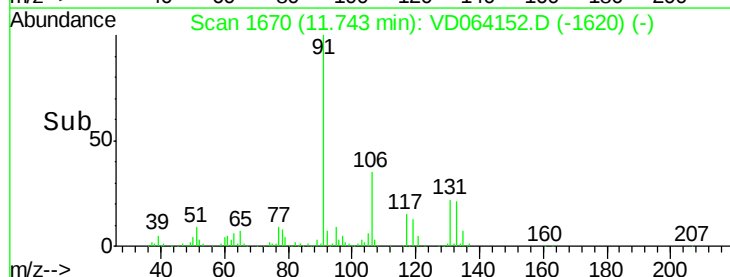
60000

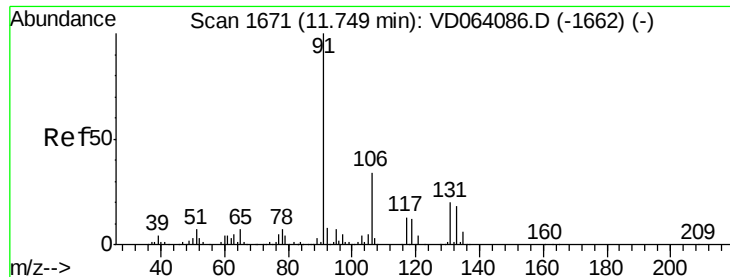
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 49.463 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

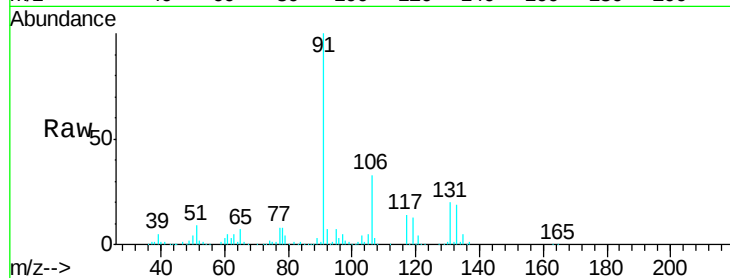
VSTDCCC050EC

Tgt Ion: 91 Resp: 616577

Ion Ratio Lower Upper

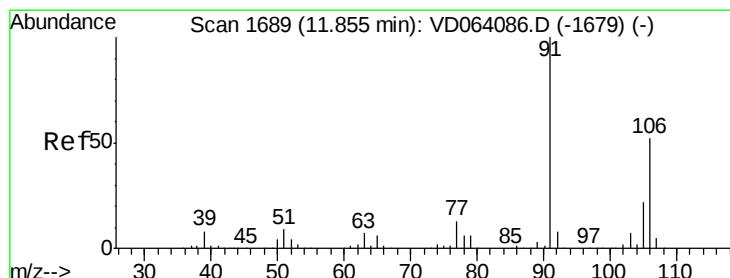
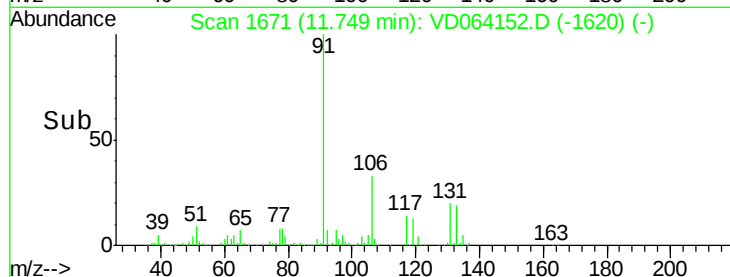
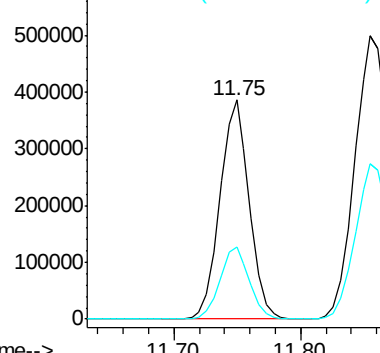
91 100

106 33.0 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 102.324 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064152.D

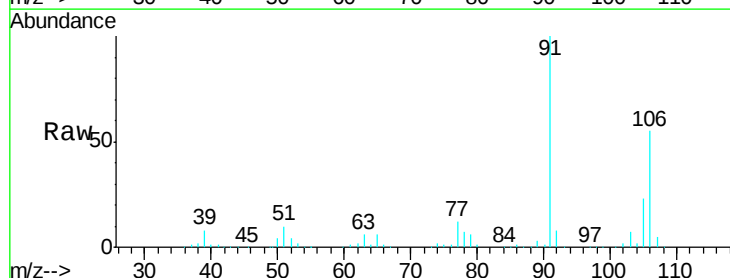
Acq: 01 Nov 2019 17:57

Tgt Ion: 106 Resp: 513048

Ion Ratio Lower Upper

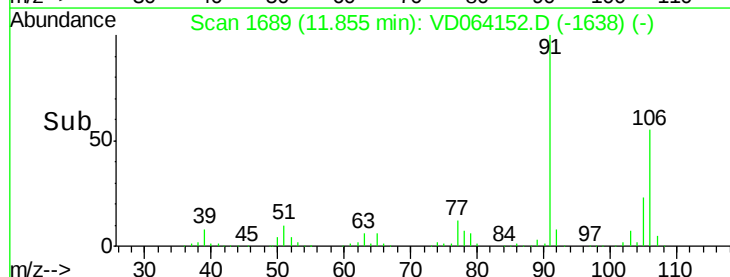
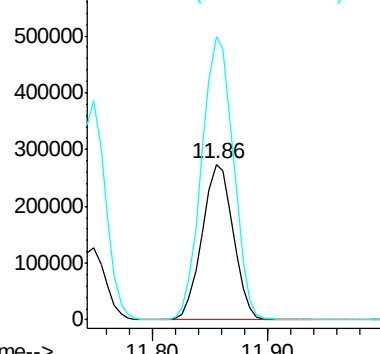
106 100

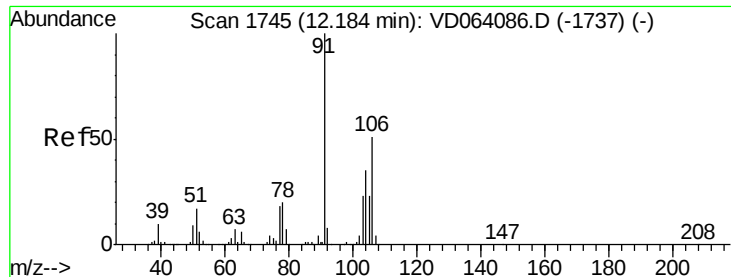
91 185.8 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

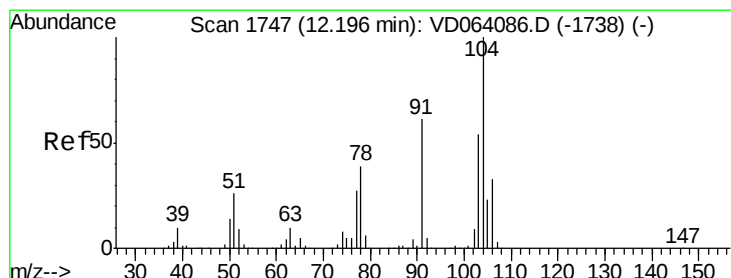
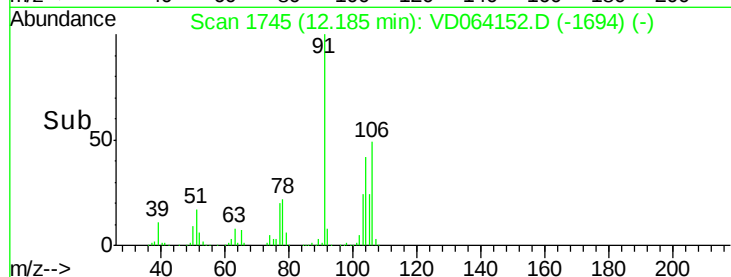
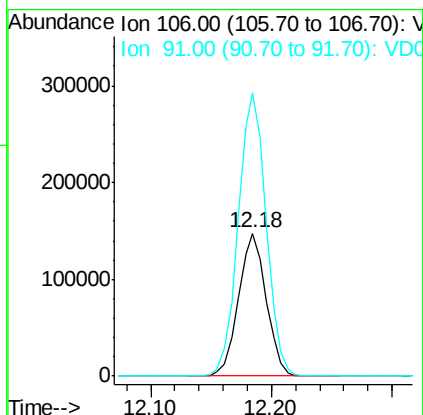
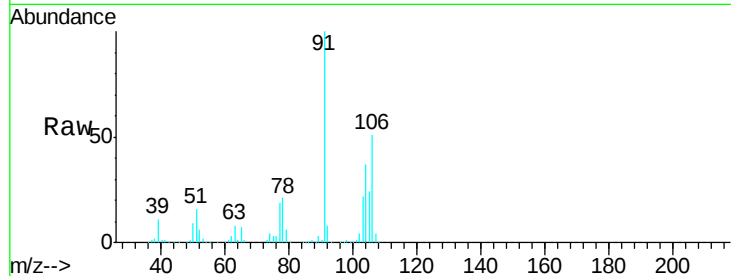




#69
o-Xylene
Concen: 51.637 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

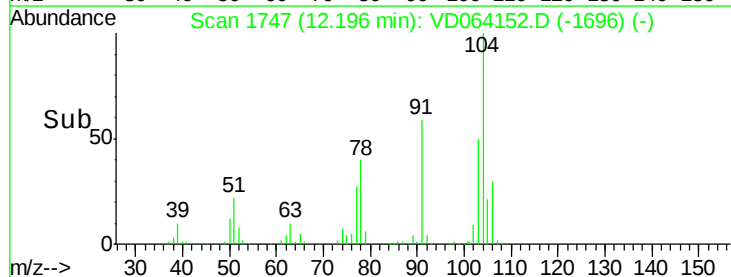
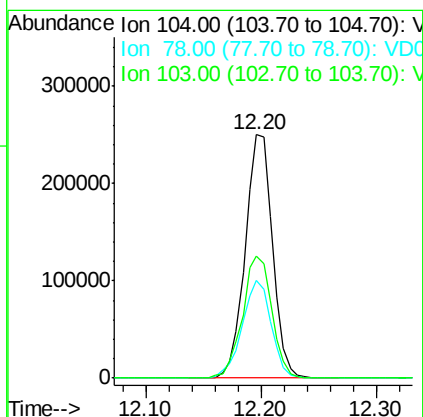
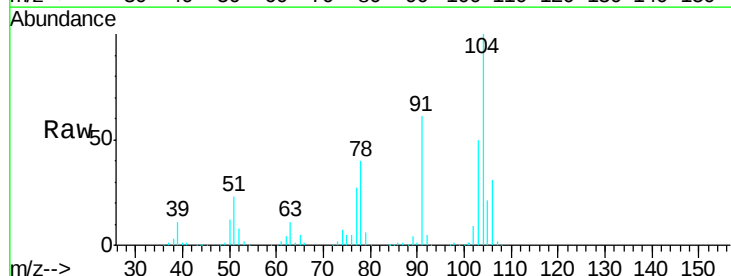
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

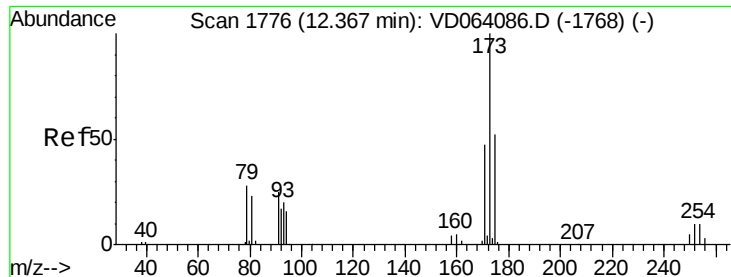
Tgt Ion:106 Resp: 236285
Ion Ratio Lower Upper
106 100
91 199.4 100.6 301.9



#70
Styrene
Concen: 52.301 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion:104 Resp: 412755
Ion Ratio Lower Upper
104 100
78 42.8 34.6 51.8
103 53.6 44.2 66.2





#71

Bromoform

Concen: 49.929 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

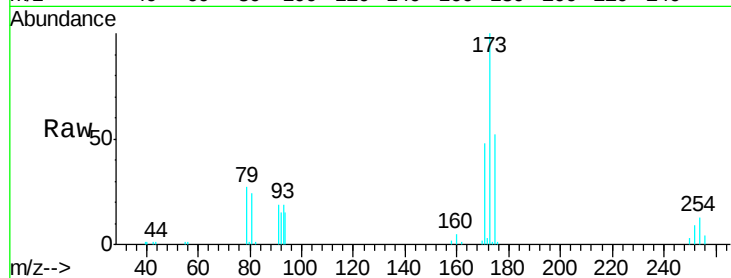
Tgt Ion:173 Resp: 69928

Ion Ratio Lower Upper

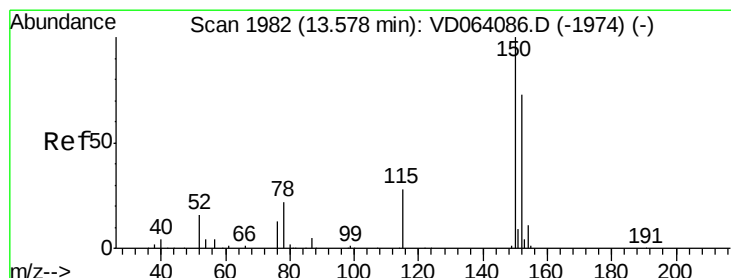
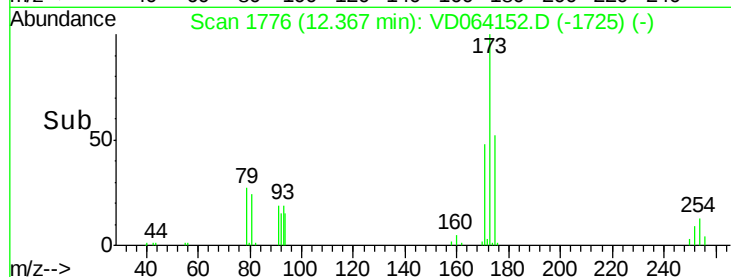
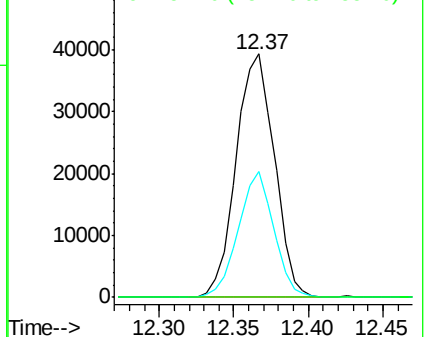
173 100

175 48.0 24.3 72.9

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

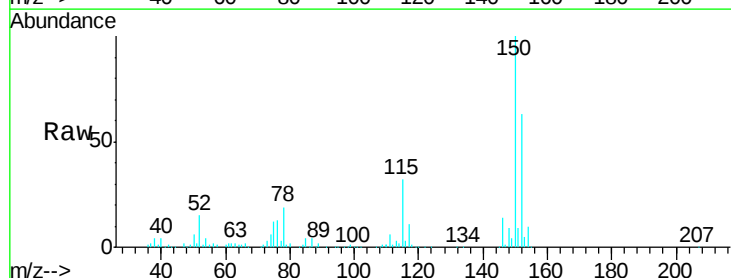
Tgt Ion:152 Resp: 190247

Ion Ratio Lower Upper

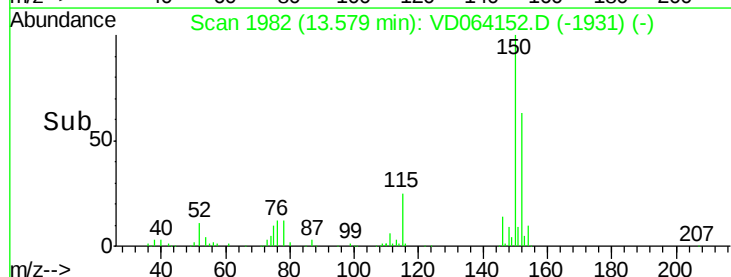
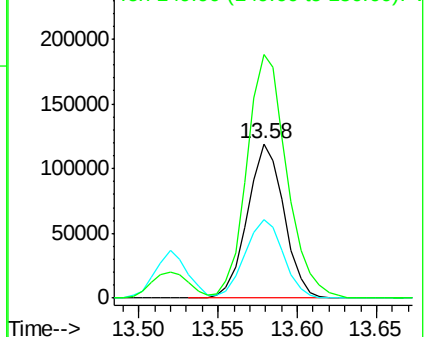
152 100

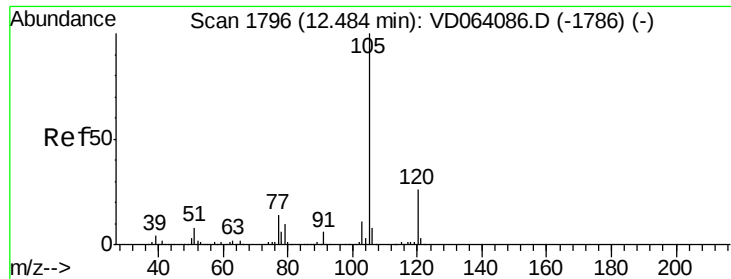
115 53.2 26.2 78.6

150 173.1 0.0 338.8



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





#73

Isopropylbenzene

Concen: 48.254 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

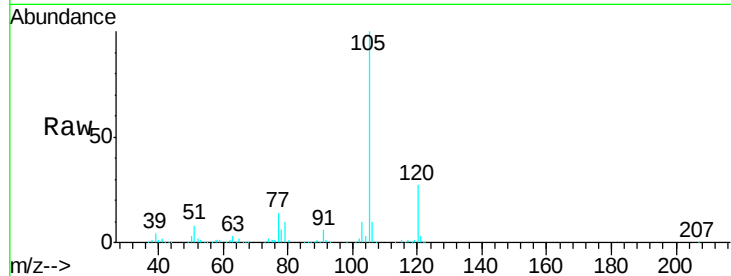
VSTDCCC050EC

Tgt Ion:105 Resp: 637932

Ion Ratio Lower Upper

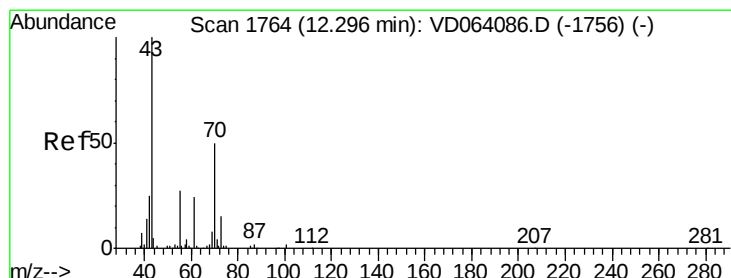
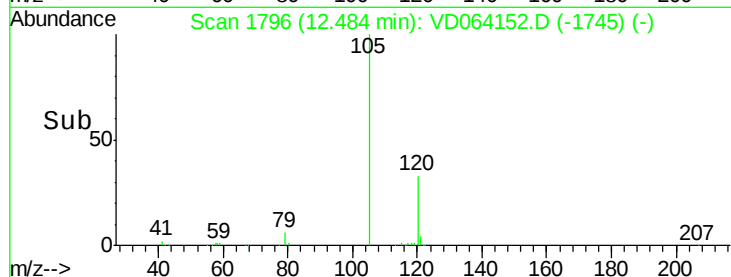
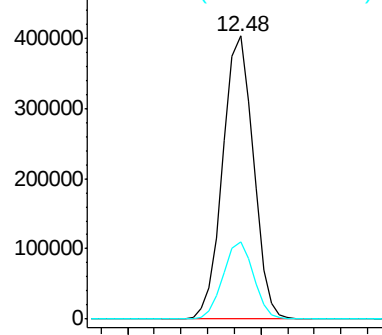
105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.375 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion: 43 Resp: 104049

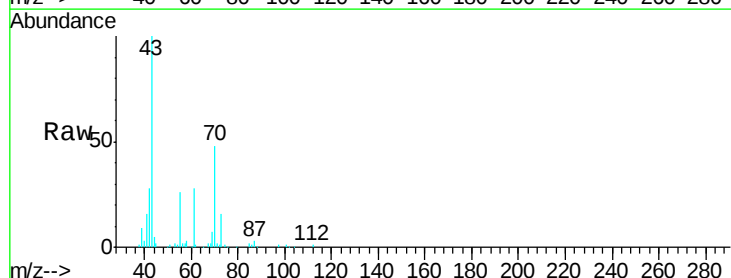
Ion Ratio Lower Upper

43 100

70 47.2 38.6 58.0

55 28.0 20.4 30.6

61 26.8 20.8 31.2

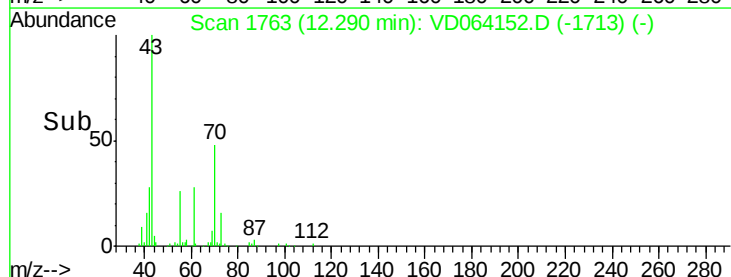
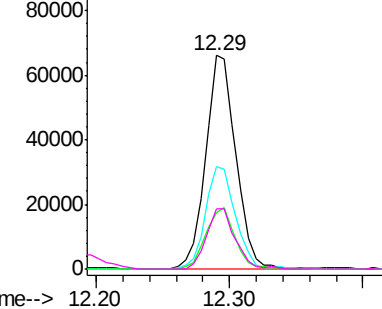


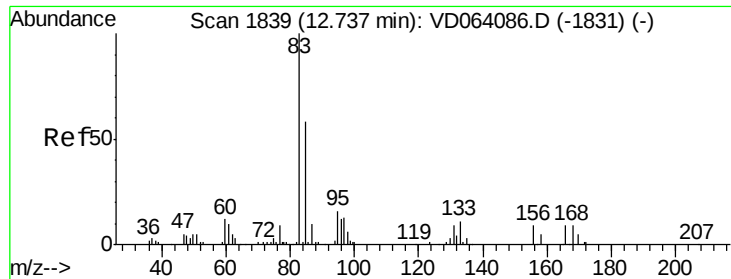
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.863 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

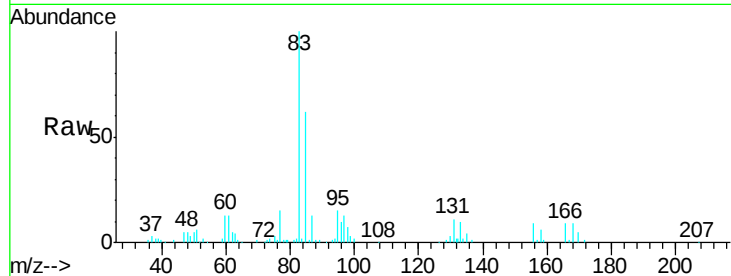
Tgt Ion: 83 Resp: 95569

Ion Ratio Lower Upper

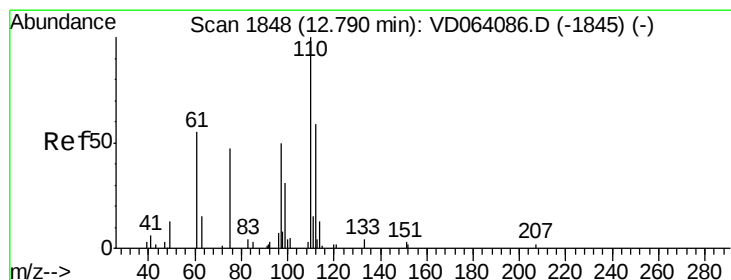
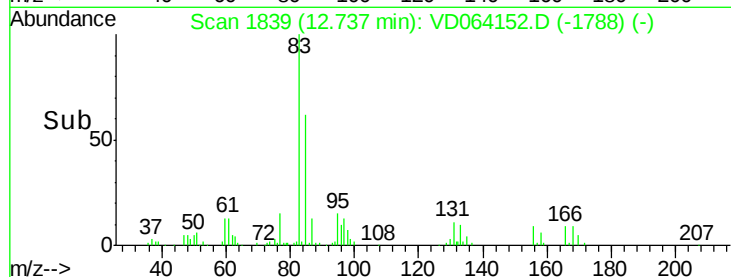
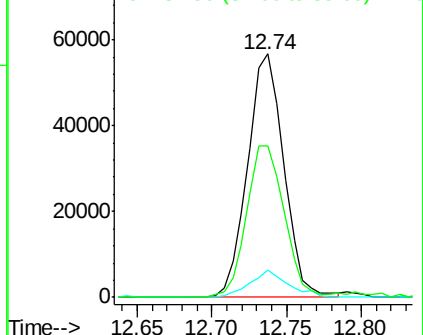
83 100

131 11.5 5.7 17.0

85 64.5 32.1 96.5



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: 97.210 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064152.D

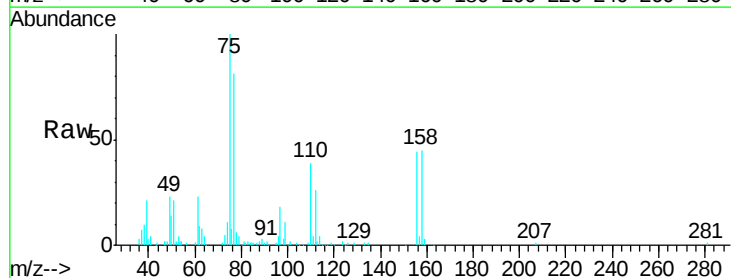
Acq: 01 Nov 2019 17:57

Tgt Ion: 75 Resp: 124268

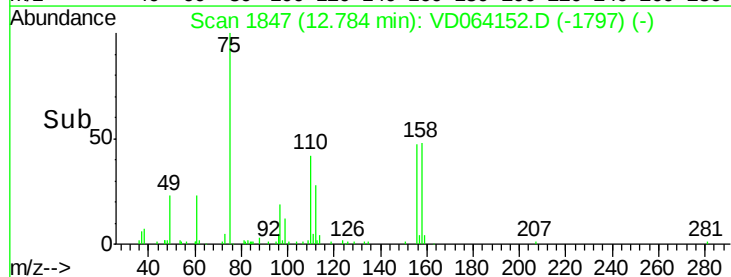
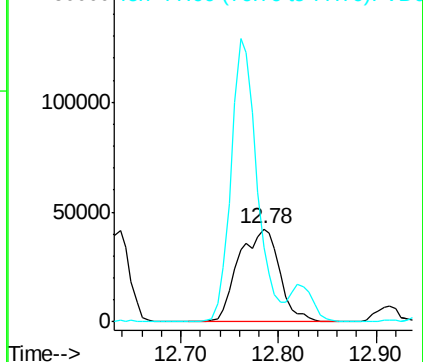
Ion Ratio Lower Upper

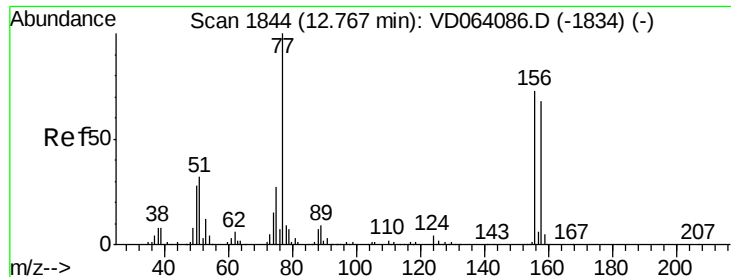
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.694 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

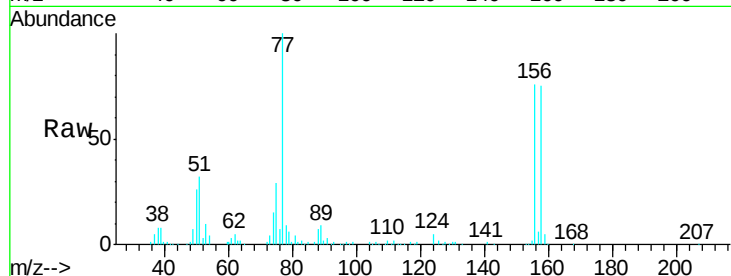
Tgt Ion:156 Resp: 158620

Ion Ratio Lower Upper

156 100

77 149.6 76.0 228.0

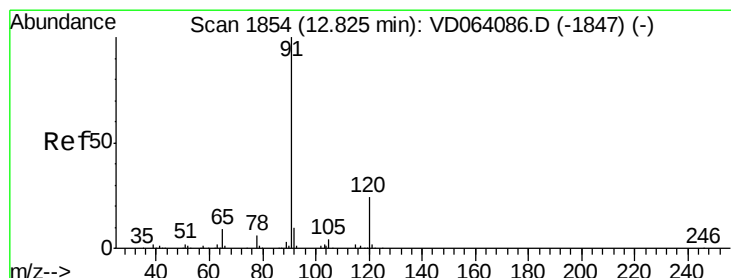
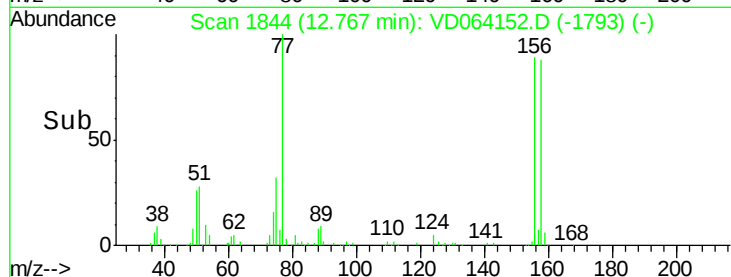
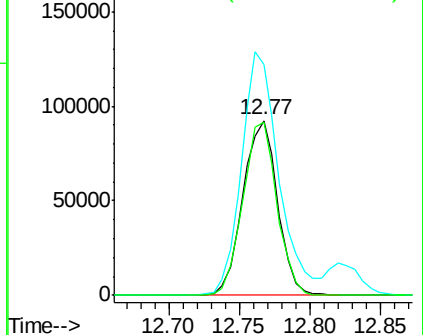
158 97.6 47.6 142.8



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: 48.812 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064152.D

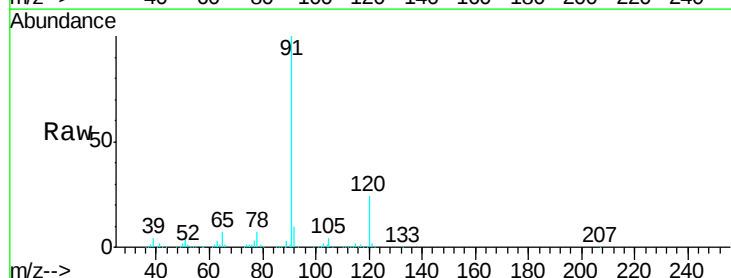
Acq: 01 Nov 2019 17:57

Tgt Ion: 91 Resp: 756228

Ion Ratio Lower Upper

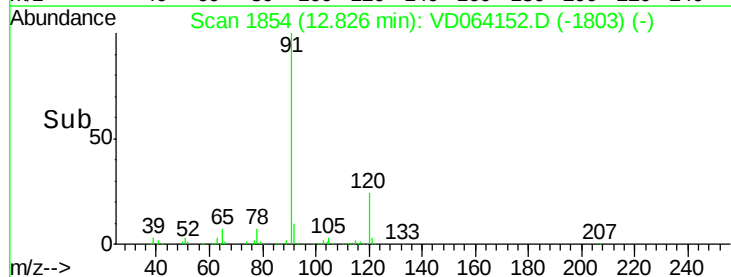
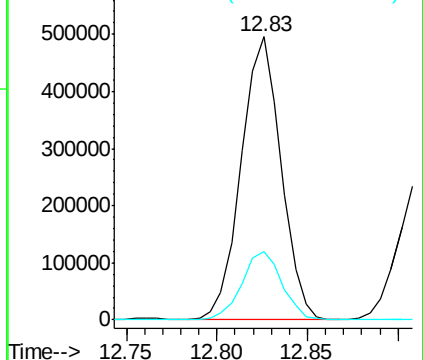
91 100

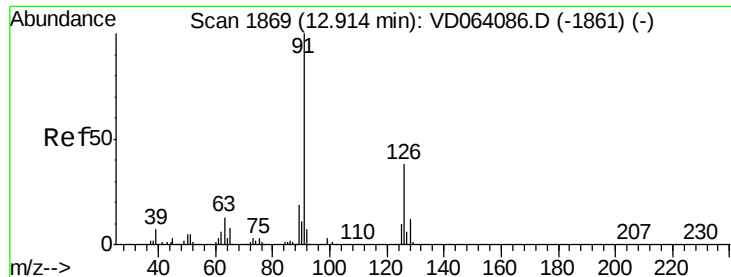
120 24.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

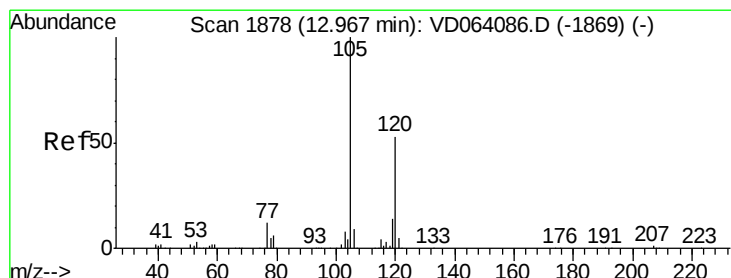
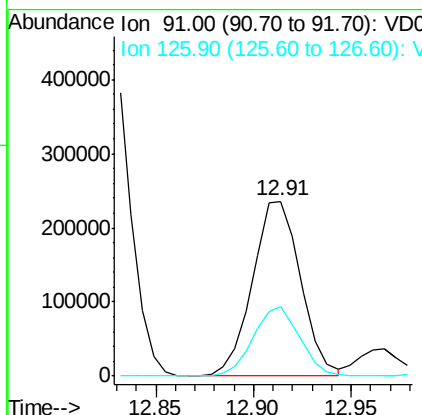
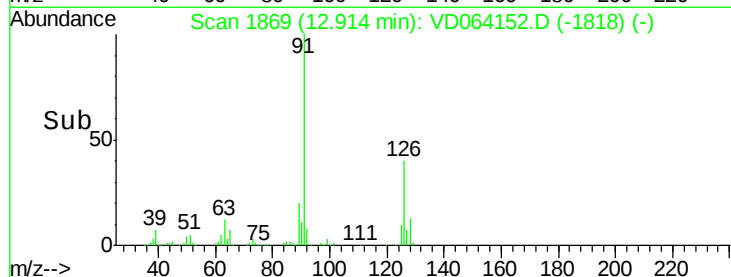
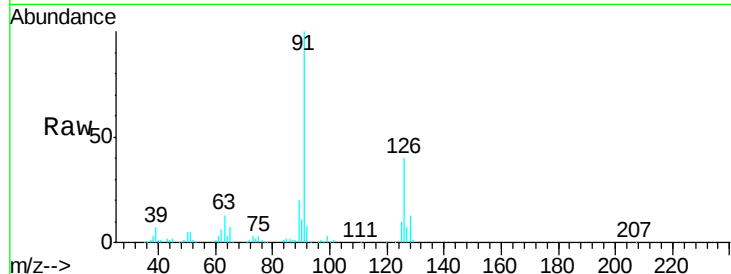




#79
2-Chlorotoluene
Concen: 48.528 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

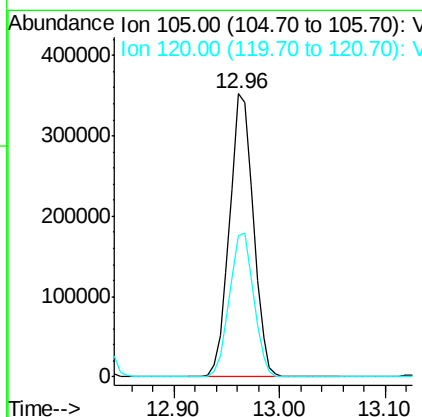
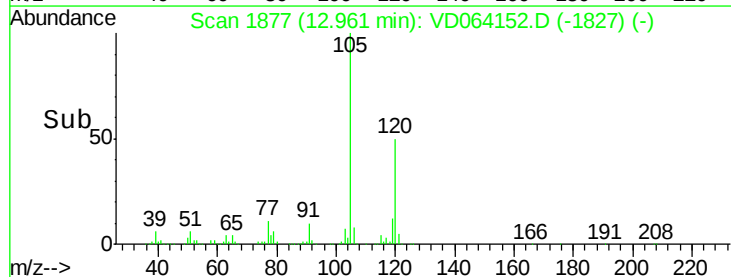
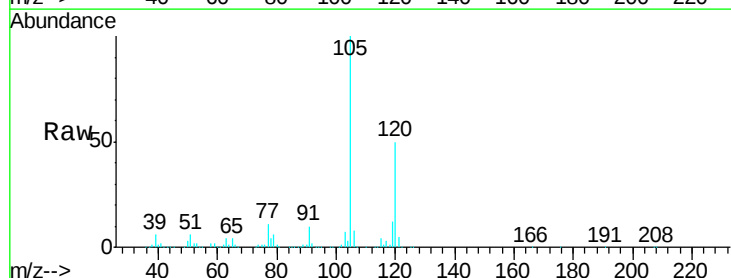
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

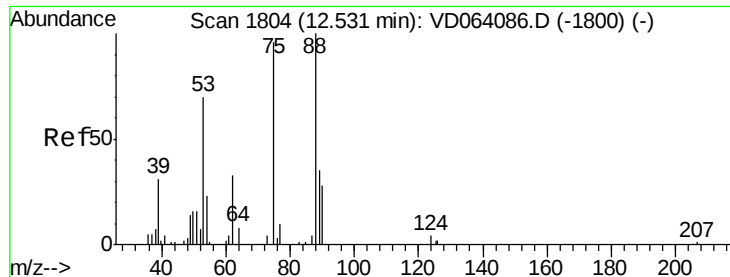
Tgt Ion: 91 Resp: 403019
Ion Ratio Lower Upper
91 100
126 38.5 19.1 57.1



#80
1,3,5-Trimethylbenzene
Concen: 49.569 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 105 Resp: 548447
Ion Ratio Lower Upper
105 100
120 51.5 25.8 77.4

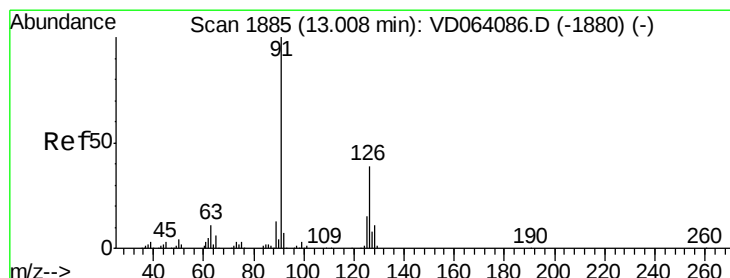
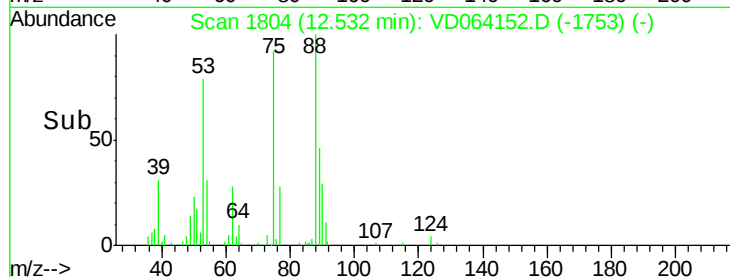
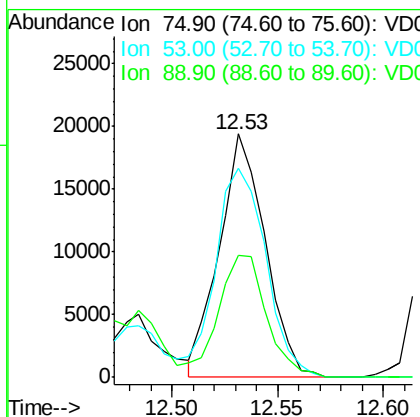
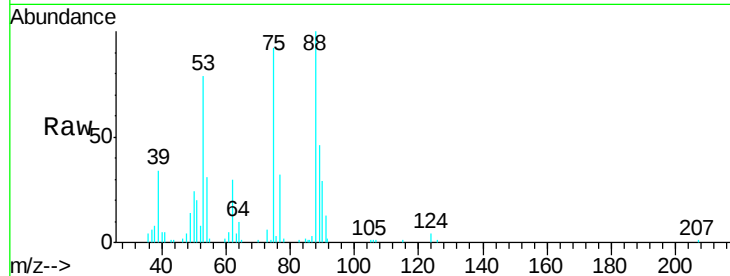




#81
trans-1,4-Dichloro-2-butene
Concen: 46.697 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

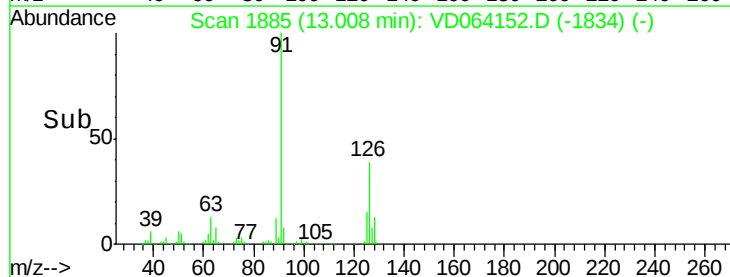
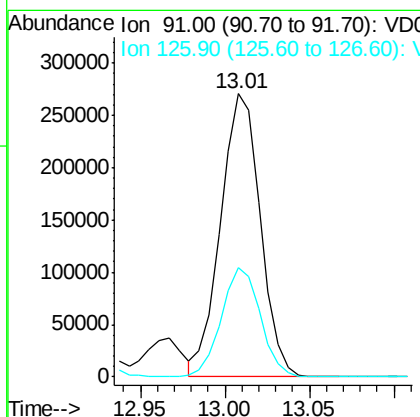
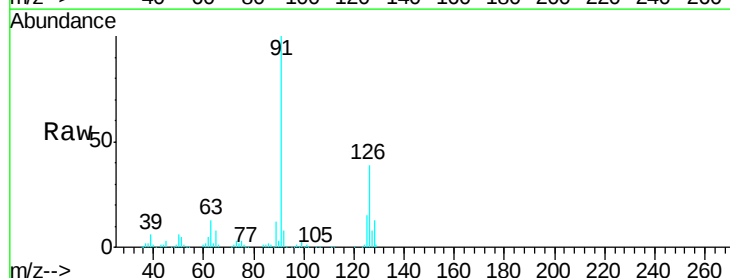
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

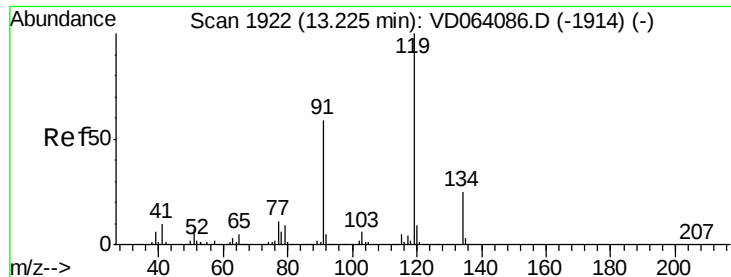
Tgt Ion: 75 Resp: 29230
Ion Ratio Lower Upper
75 100
53 94.8 68.6 103.0
89 53.1 36.9 55.3



#82
4-Chlorotoluene
Concen: 49.821 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 91 Resp: 442113
Ion Ratio Lower Upper
91 100
126 38.0 18.9 56.5

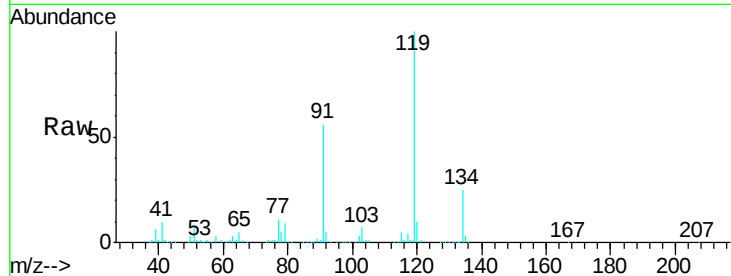




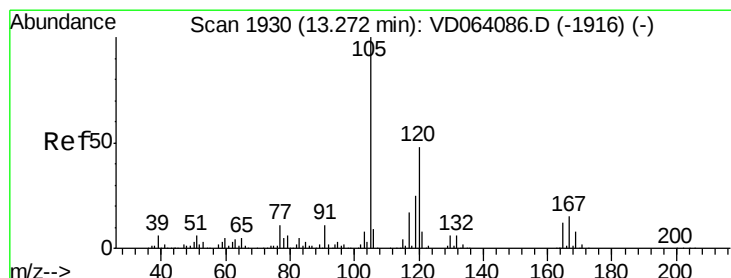
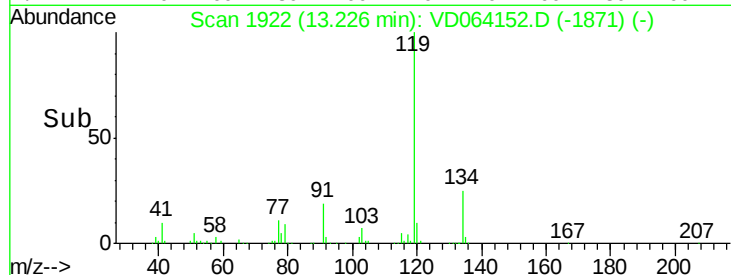
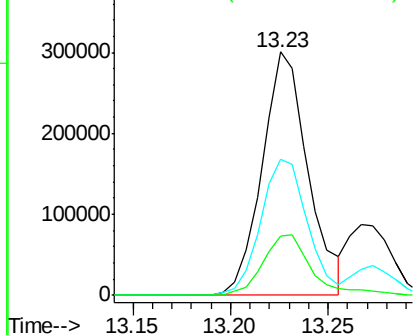
#83
tert-Butylbenzene
Concen: 49.249 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 489422
Ion Ratio Lower Upper
119 100
91 56.8 28.3 85.0
134 26.6 12.9 38.6

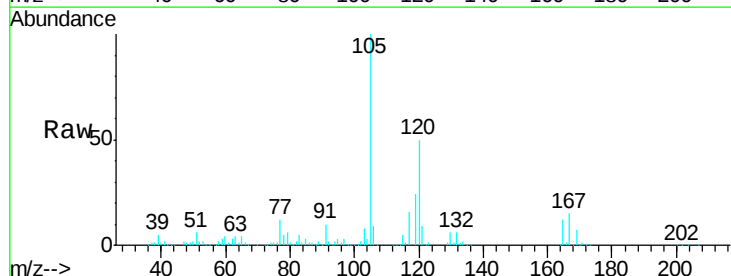


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

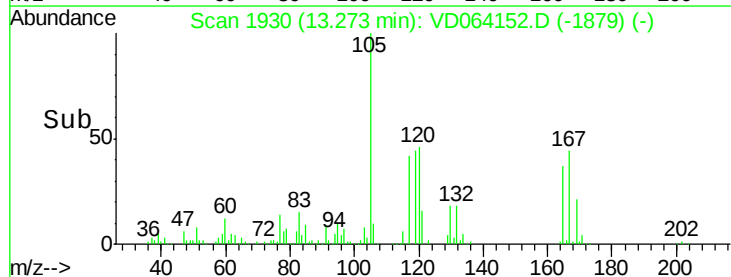
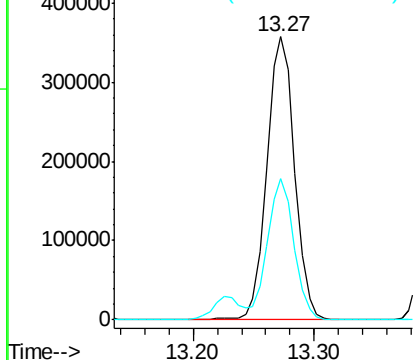


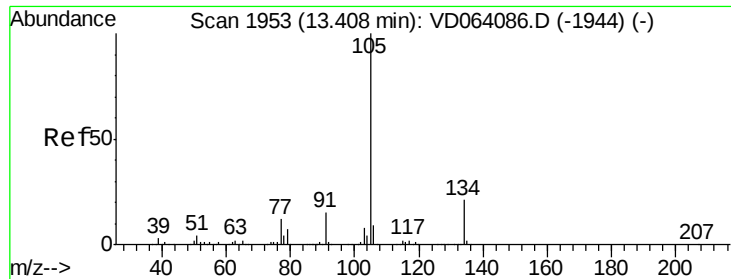
#84
1,2,4-Trimethylbenzene
Concen: 51.244 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion:105 Resp: 569564
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

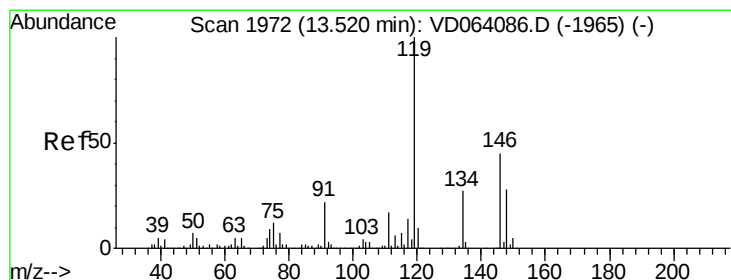
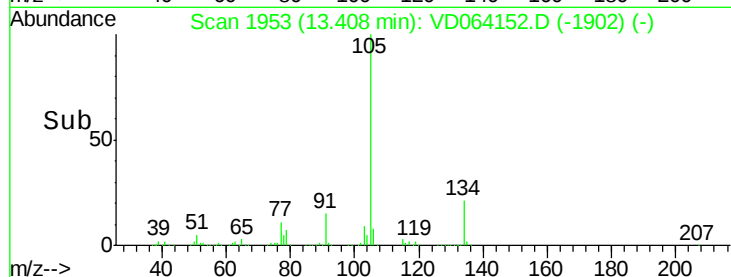
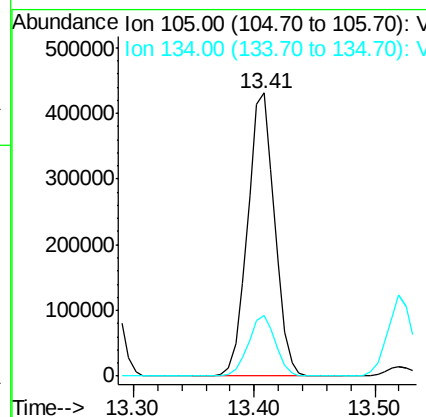
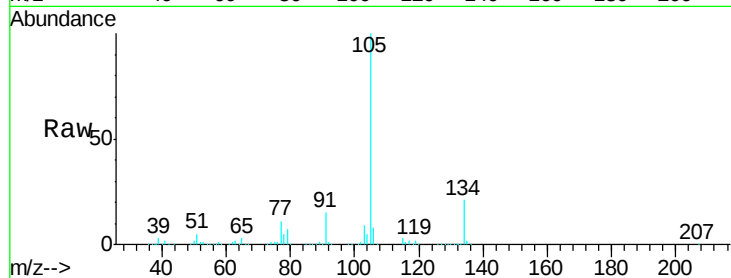




#85
 sec-Butylbenzene
 Concen: 49.313 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

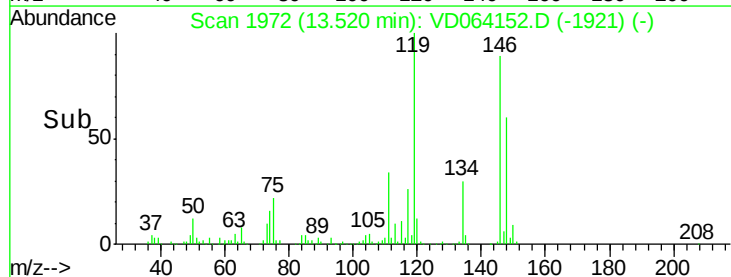
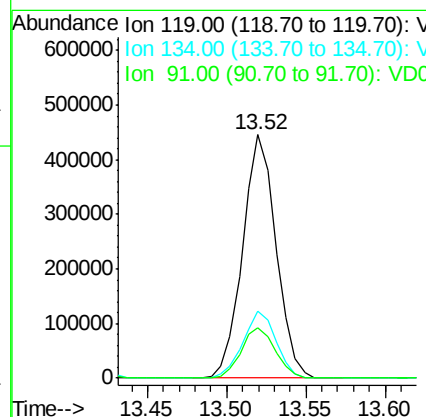
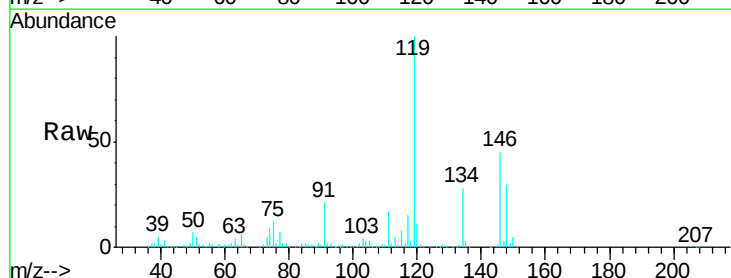
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

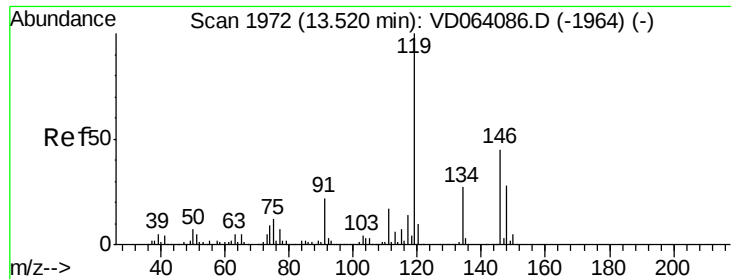
Tgt Ion:105 Resp: 672992
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 50.821 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion:119 Resp: 651663
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.6 40.8
 91 21.3 10.9 32.6

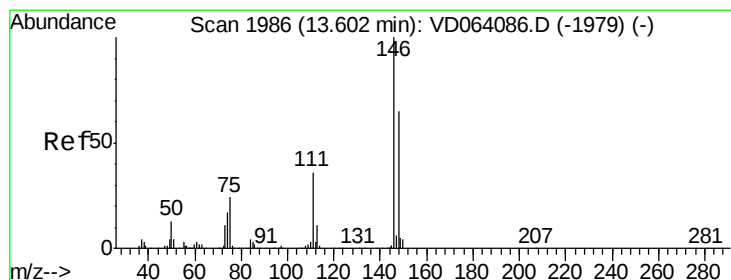
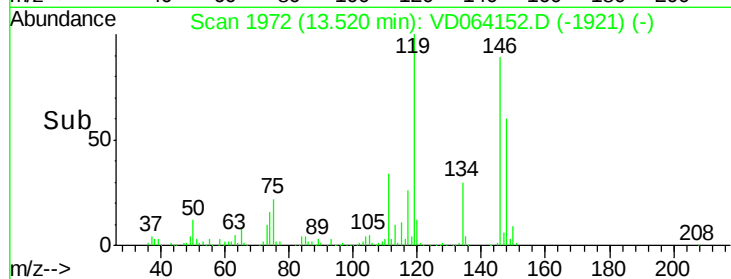
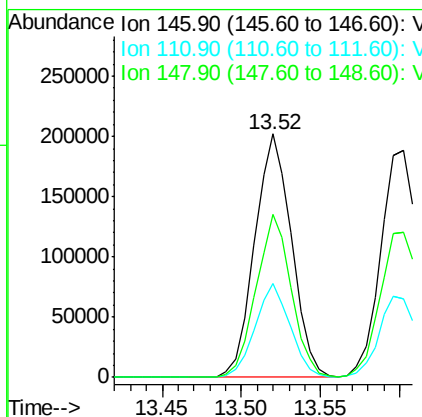
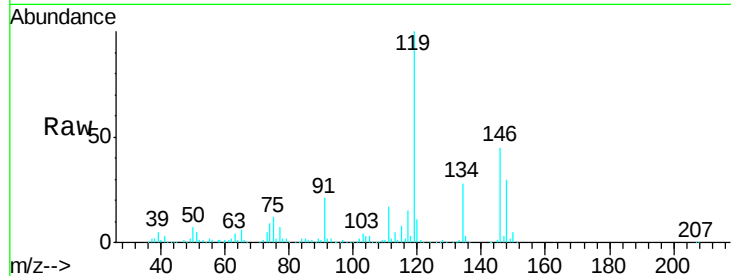




#87
 1,3-Dichlorobenzene
 Concen: 51.085 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

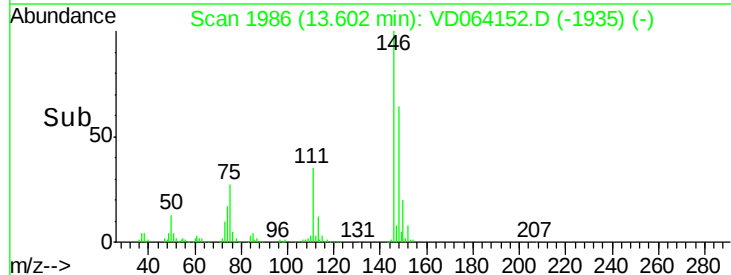
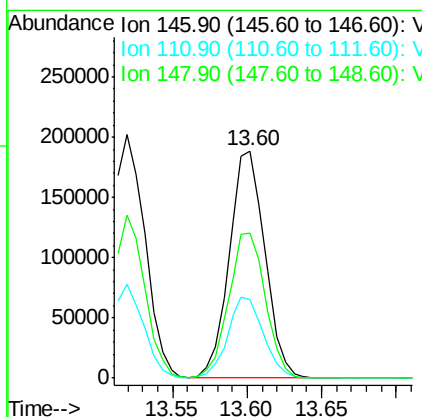
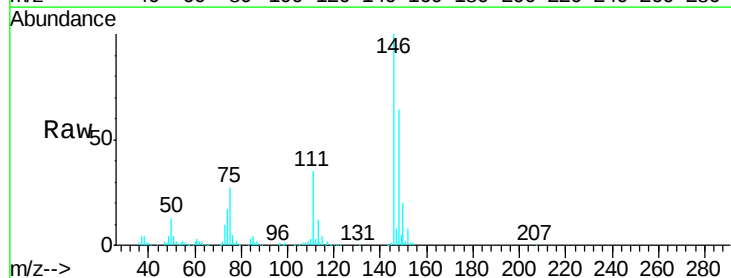
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

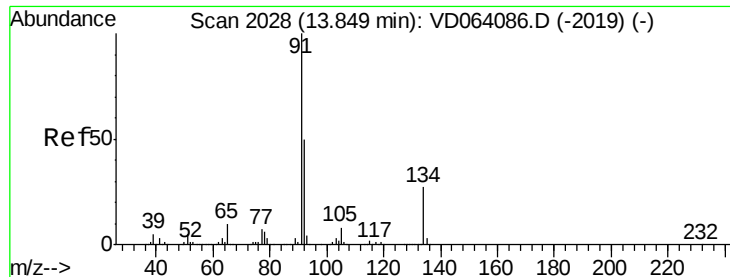
Tgt Ion:146 Resp: 326771
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.9 56.9
 148 63.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.901 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion:146 Resp: 314658
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.4 55.4
 148 65.7 32.4 97.0

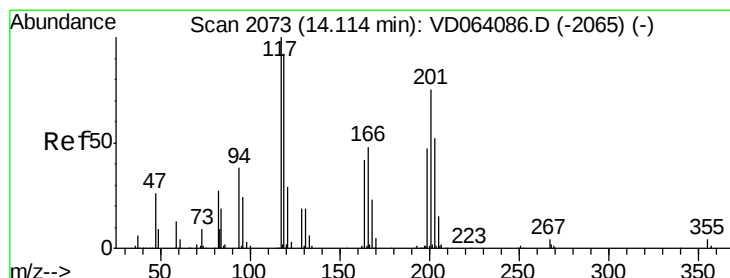
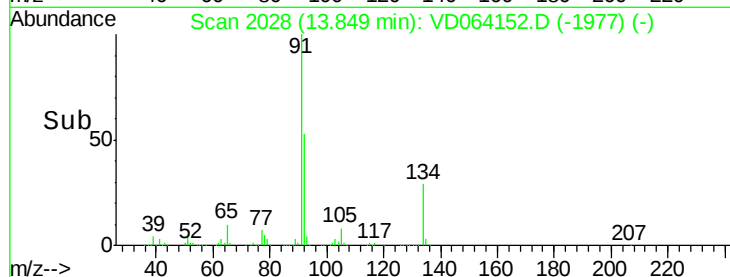
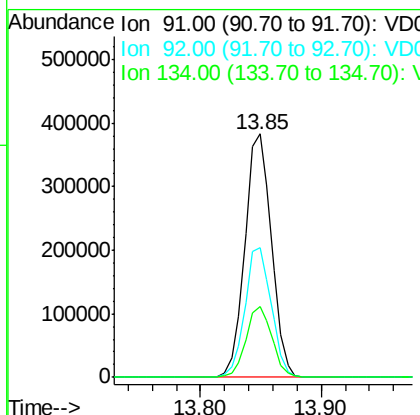
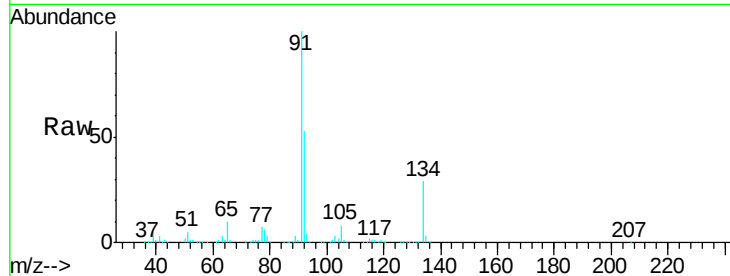




#89
n-Butylbenzene
Concen: 49.837 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

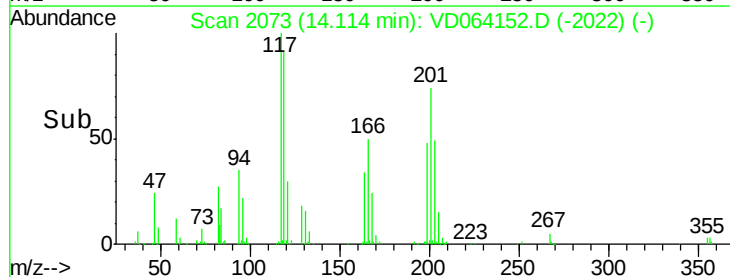
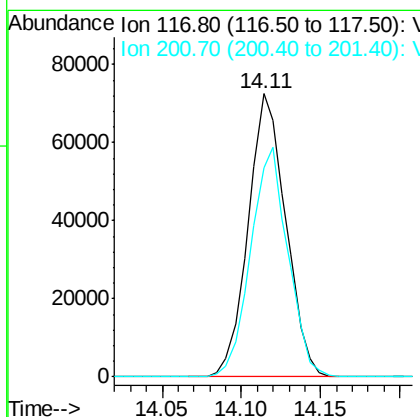
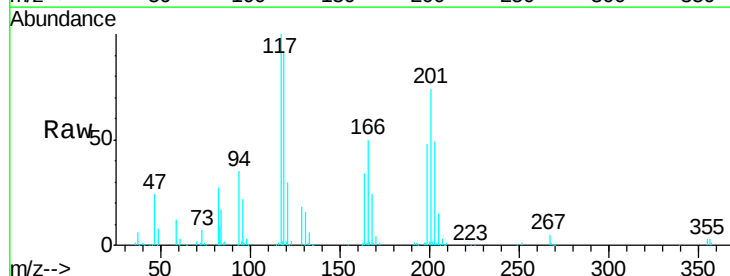
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

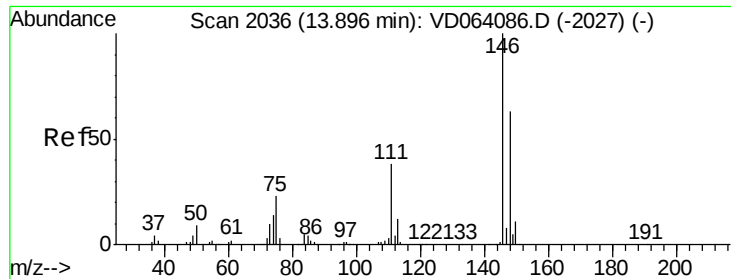
Tgt Ion: 91 Resp: 589423
Ion Ratio Lower Upper
91 100
92 52.8 25.6 76.6
134 28.3 14.0 42.0



#90
Hexachloroethane
Concen: 49.943 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 117 Resp: 119899
Ion Ratio Lower Upper
117 100
201 80.3 38.4 115.2

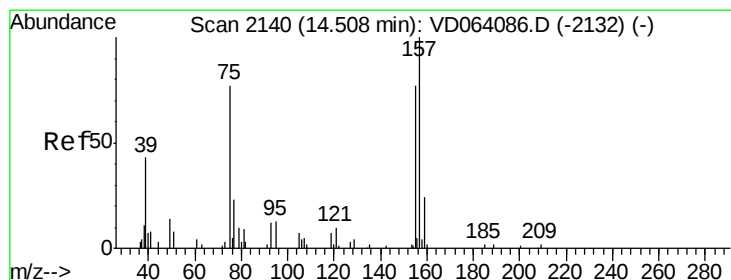
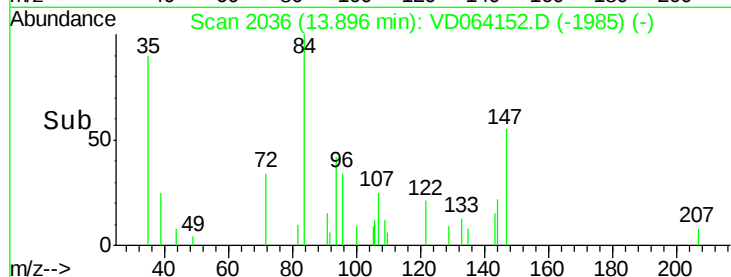
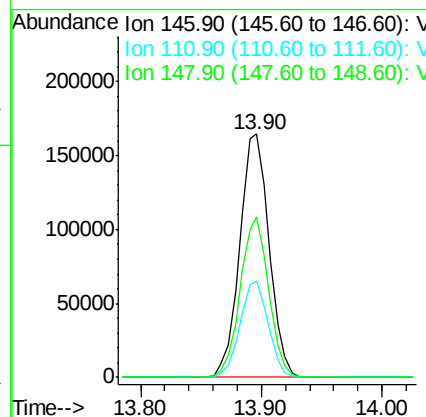
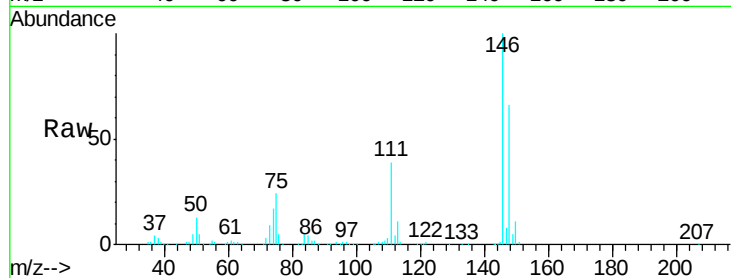




#91
 1,2-Dichlorobenzene
 Concen: 50.583 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

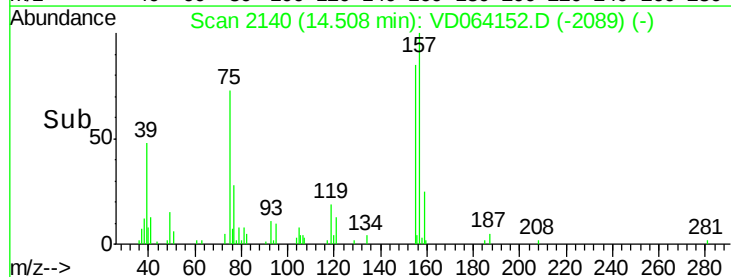
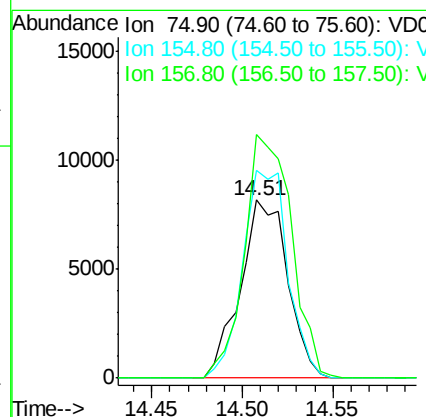
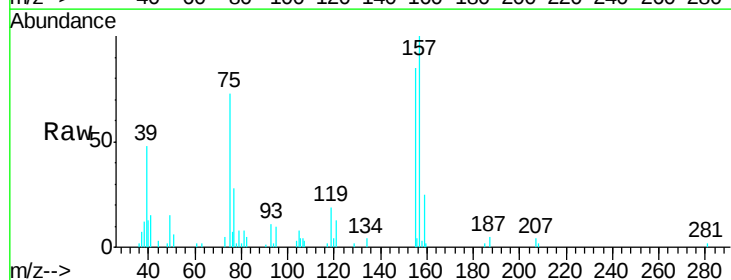
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

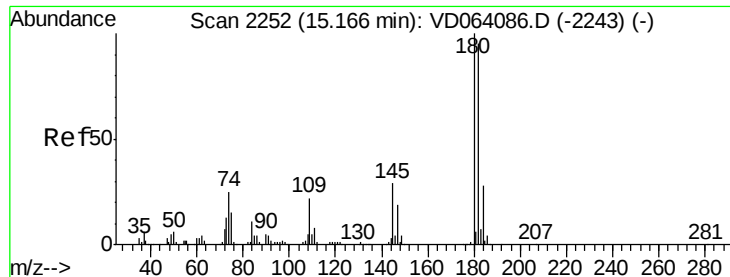
Tgt Ion: 146 Resp: 278461
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.1
 148 63.7 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.694 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 75 Resp: 14819
 Ion Ratio Lower Upper
 75 100
 155 111.4 56.3 168.9
 157 136.4 72.2 216.6

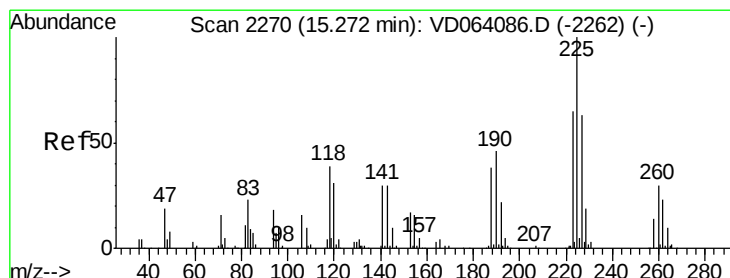
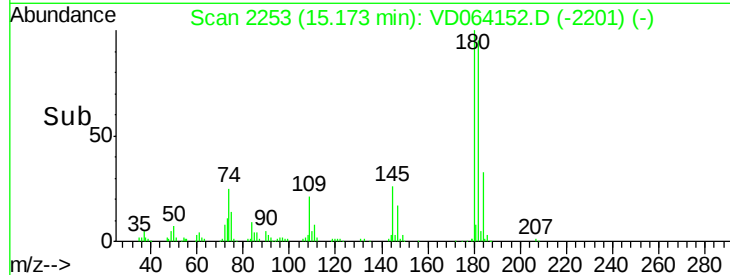
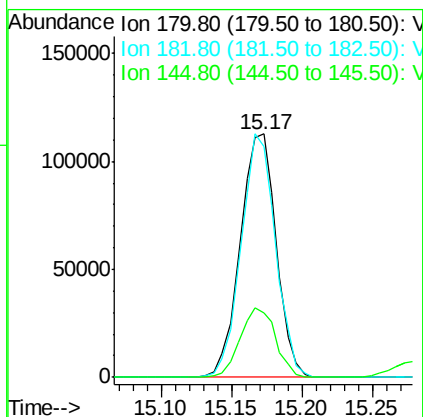
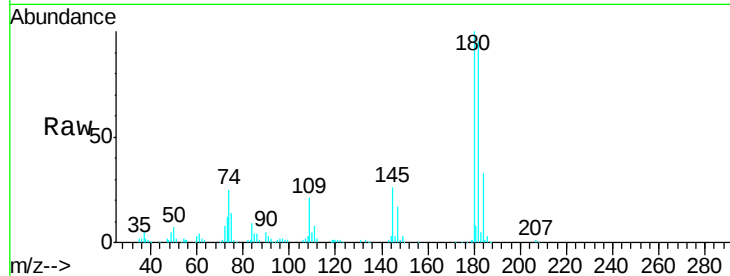




#93
 1,2,4-Trichlorobenzene
 Concen: 50.892 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

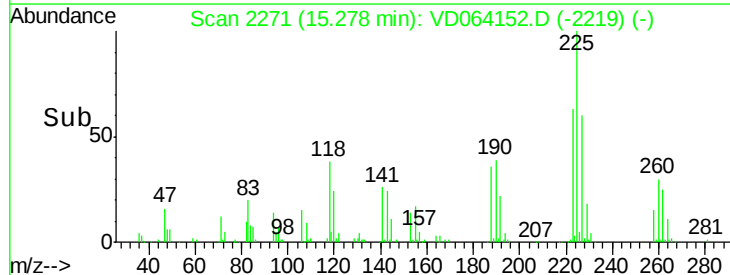
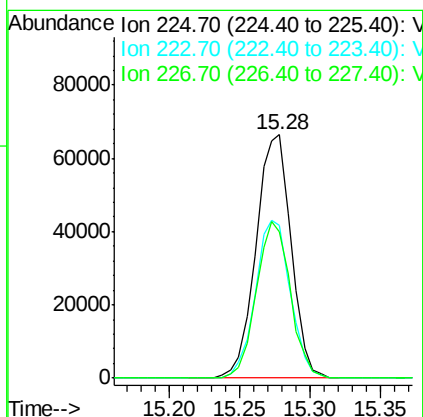
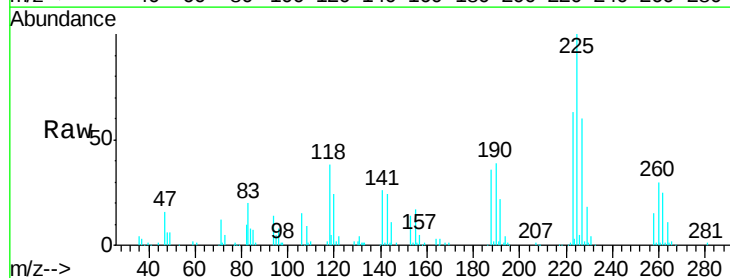
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

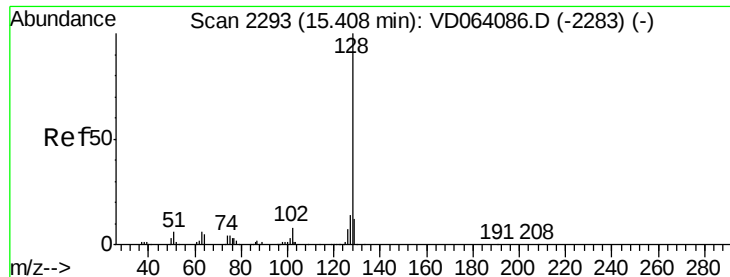
Tgt Ion:180 Resp: 201382
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.9 140.7
 145 28.0 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 50.040 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion:225 Resp: 115728
 Ion Ratio Lower Upper
 225 100
 223 64.7 30.8 92.3
 227 62.5 31.7 95.1





#95

Naphthalene

Concen: 50.336 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

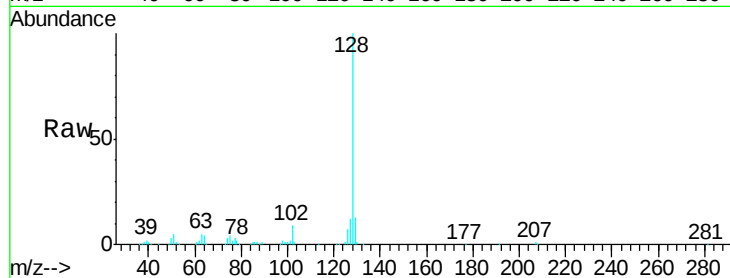
Tgt Ion:128 Resp: 324848

Ion Ratio Lower Upper

128 100

127 12.6 10.9 16.3

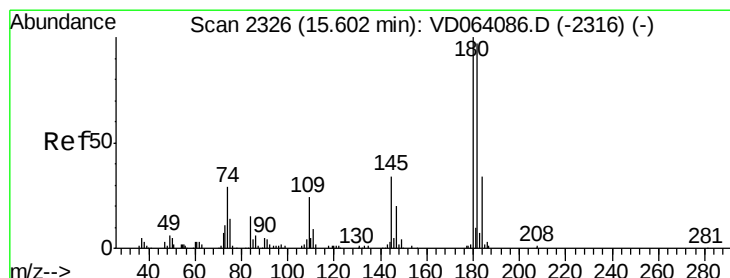
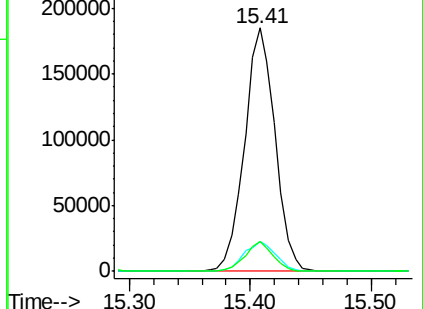
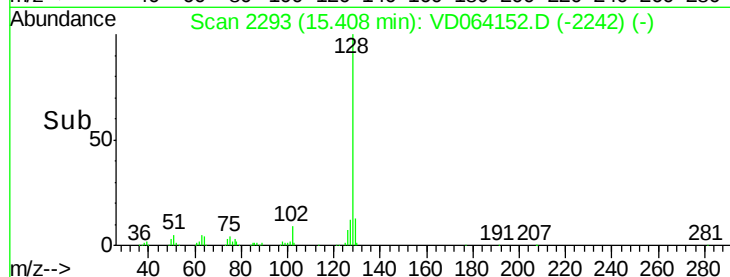
129 11.3 8.8 13.2



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: 50.243 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

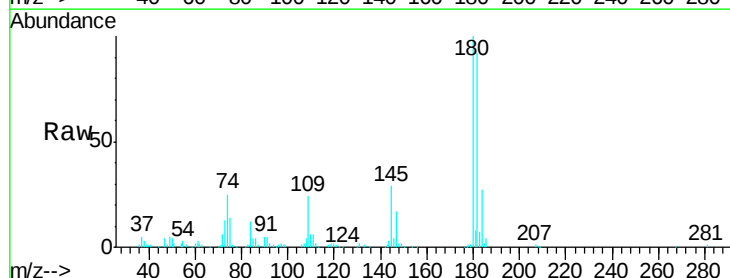
Tgt Ion:180 Resp: 172208

Ion Ratio Lower Upper

180 100

182 96.1 48.4 145.0

145 30.0 16.4 49.4



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

