

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061533.D
 Acq On : 3 Apr 2019 1:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 03 04:54:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	621962	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1128506	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	886451	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	409118	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	289906	54.56	ug/l	0.03
Spiked Amount	50.000		Recovery	=	109.12%	
35) Dibromofluoromethane	6.93	113	438802	50.88	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.42	98	994746	48.09	ug/l	0.03
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	13.56	95	384471	48.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.59	85	331344	49.884	ug/l 97
3) Chloromethane	1.76	50	236384	43.636	ug/l 99
4) Vinyl Chloride	1.86	62	251340	50.532	ug/l 99
5) Bromomethane	2.17	94	54005	54.755	ug/l # 95
6) Chloroethane	2.29	64	77219	52.940	ug/l 96
7) Trichlorofluoromethane	2.54	101	351392	48.584	ug/l 97
8) Diethyl Ether	2.89	74	118479	50.878	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	397530	51.124	ug/l 99
10) Methyl Iodide	3.32	142	565422	47.982	ug/l 100
11) Tert butyl alcohol	4.08	59	94775	286.433	ug/l 96
12) 1,1-Dichloroethene	3.14	96	342813	51.351	ug/l 97
13) Acrolein	3.05	56	48721	187.534	ug/l 93
14) Allyl chloride	3.64	41	503800	54.106	ug/l 98
15) Acrylonitrile	4.22	53	324321	282.406	ug/l 98
16) Acetone	3.23	43	333933	244.495	ug/l 99
17) Carbon Disulfide	3.40	76	1026923	47.345	ug/l 99
18) Methyl Acetate	3.65	43	164187	57.175	ug/l 98
19) Methyl tert-butyl Ether	4.26	73	634910	54.942	ug/l 97
20) Methylene Chloride	3.83	84	418807	54.926	ug/l 96
21) trans-1,2-Dichloroethene	4.24	96	374365	51.940	ug/l 99
22) Diisopropyl ether	5.14	45	1103432	56.000	ug/l 99
23) Vinyl Acetate	5.07	43	2866383	267.805	ug/l 97
24) 1,1-Dichloroethane	5.00	63	612887	52.926	ug/l 99
25) 2-Butanone	6.09	43	455302	265.009	ug/l 99
26) 2,2-Dichloropropane	6.04	77	472768	51.358	ug/l 97
27) cis-1,2-Dichloroethene	6.06	96	431139	54.596	ug/l 98
28) Bromochloromethane	6.45	49	269133	57.575	ug/l # 93
29) Tetrahydrofuran	6.47	42	236540	284.051	ug/l 99
30) Chloroform	6.68	83	681712	56.974	ug/l 100
31) Cyclohexane	6.97	56	465996	50.923	ug/l 98
32) 1,1,1-Trichloroethane	6.88	97	569690	53.968	ug/l 98
36) 1,1-Dichloropropene	7.16	75	429567	43.614	ug/l 98
37) Ethyl Acetate	6.19	43	236556	56.158	ug/l 96
38) Carbon Tetrachloride	7.13	117	584294	51.626	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	514646	50.170	ug/l	95
40) Benzene	7.46	78	1239063	50.126	ug/l	97
41) Methacrylonitrile	6.45	41	273475	55.526	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	401797	54.340	ug/l	99
43) Isopropyl Acetate	9.25	43	346533	56.541	ug/l #	99
44) Trichloroethene	8.56	130	457024	49.681	ug/l	96
45) 1,2-Dichloropropane	8.95	63	322739	51.490	ug/l	99
46) Dibromomethane	9.07	93	223890	53.069	ug/l	94
47) Bromodichloromethane	9.38	83	507116	53.555	ug/l	99
48) Methyl methacrylate	9.13	41	177591	52.504	ug/l	99
49) 1,4-Dioxane	9.09	88	42099	1128.419	ug/l	90
51) 4-Methyl-2-Pentanone	10.31	43	1025259	274.961	ug/l	98
52) Toluene	10.52	92	742226	49.218	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	440795	51.237	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	530324	50.625	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	264329	50.120	ug/l	97
56) Ethyl methacrylate	11.05	69	304205	53.693	ug/l	99
57) 1,3-Dichloropropane	11.41	76	398125	51.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	775818	281.180	ug/l	97
59) 2-Hexanone	11.53	43	686791	254.218	ug/l	99
60) Dibromochloromethane	11.69	129	424294	52.186	ug/l	97
61) 1,2-Dibromoethane	11.81	107	291850	47.789	ug/l	97
64) Tetrachloroethene	11.26	164	328642	47.239	ug/l	97
65) Chlorobenzene	12.41	112	908614	50.155	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	371253	52.928	ug/l	98
67) Ethyl Benzene	12.52	91	1395864	50.480	ug/l	96
68) m/p-Xylenes	12.67	106	988840	94.403	ug/l	94
69) o-Xylene	13.06	106	512745	50.443	ug/l	96
70) Styrene	13.08	104	841046	47.465	ug/l	97
71) Bromoform	13.23	173	232885	52.375	ug/l	99
73) Isopropylbenzene	13.41	105	1268950	44.565	ug/l	99
74) N-amyl acetate	13.26	43	405302	51.097	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	295167	49.140	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	291000	49.240	ug/l	98
77) Bromobenzene	13.68	156	417795	49.493	ug/l	83
78) n-propylbenzene	13.77	91	1617958	46.432	ug/l	98
79) 2-Chlorotoluene	13.84	91	933798	49.354	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1136393	51.437	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	84468	46.877	ug/l	97
82) 4-Chlorotoluene	13.95	91	1048885	50.984	ug/l	98
83) tert-Butylbenzene	14.19	119	1304428	47.245	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1096463	45.842	ug/l	99
85) sec-Butylbenzene	14.37	105	1394771	47.553	ug/l	98
86) p-Isopropyltoluene	14.49	119	1290851	52.046	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	669612	46.843	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	676413	48.523	ug/l	98
89) n-Butylbenzene	14.80	91	1028497	45.180	ug/l	100
90) Hexachloroethane	15.01	117	350868	50.074	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	554535	47.295	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40825	57.950	ug/l	93

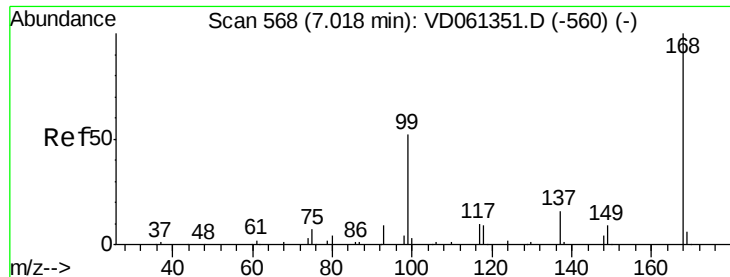
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	286614	53.661	ug/l	96
94) Hexachlorobutadiene	16.04	225	212437	50.898	ug/l	99
95) Naphthalene	16.13	128	438094	53.811	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	150664	64.102	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

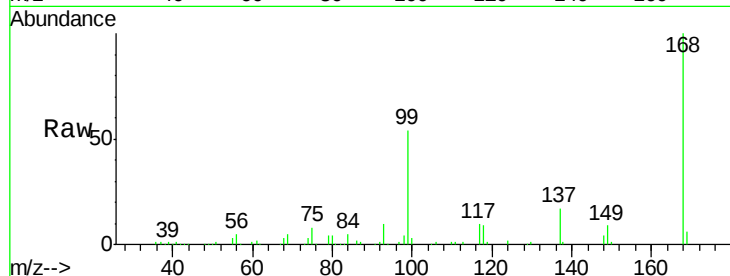
VSTDCCC050

Tot Ion:168 Resp: 621962

Ion Ratio Lower Upper

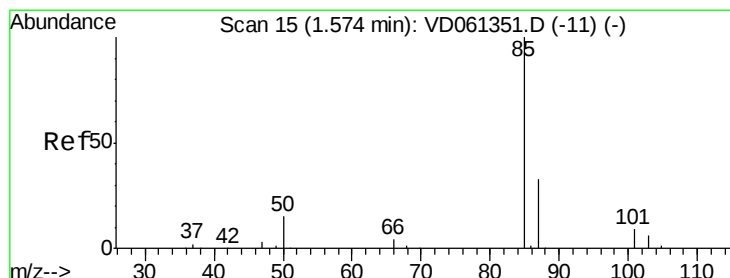
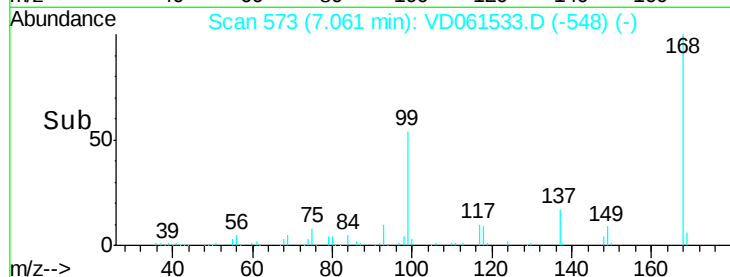
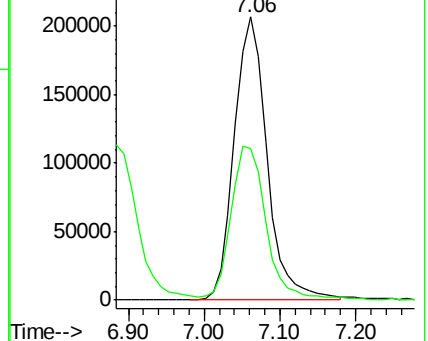
168 100

99 53.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.884 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061533.D

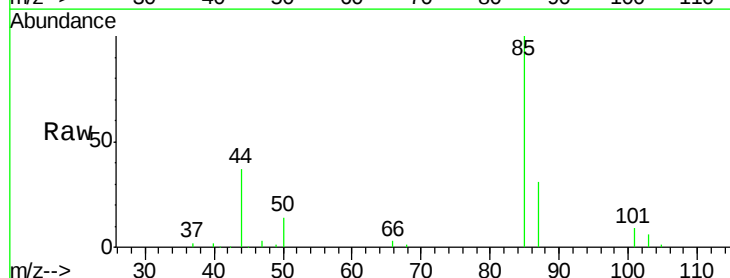
Acq: 3 Apr 2019 1:48

Tgt Ion: 85 Resp: 331344

Ion Ratio Lower Upper

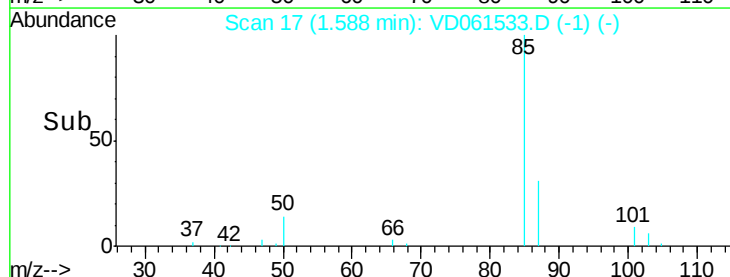
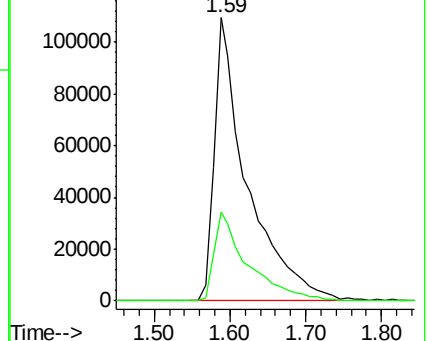
85 100

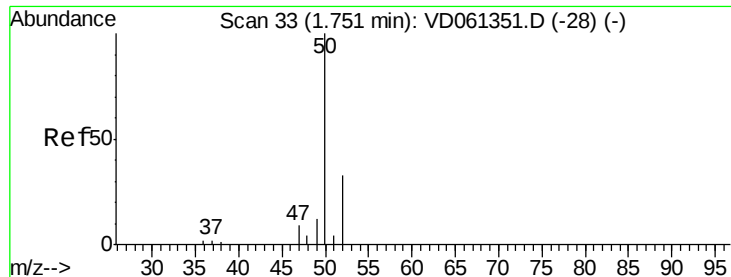
87 31.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.636 ug/l

RT: 1.76 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

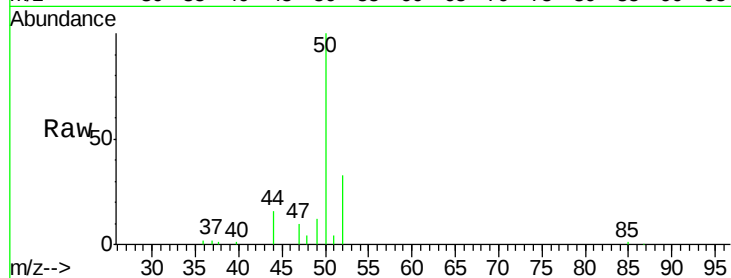
VSTDCCC050

Tot Ion: 50 Resp: 236384

Ion Ratio Lower Upper

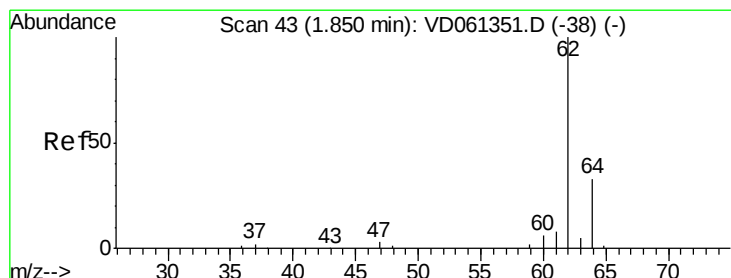
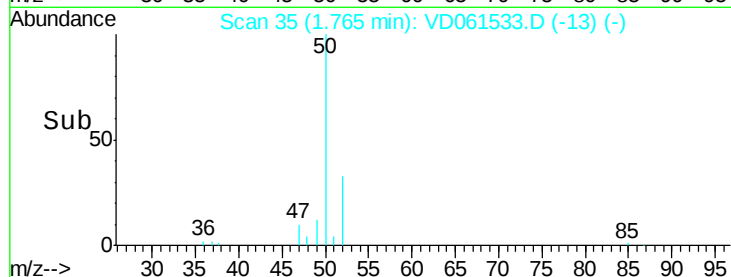
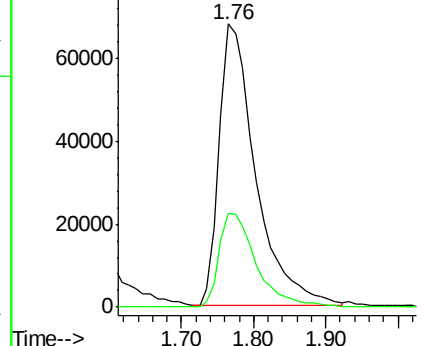
50 100

52 33.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.532 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061533.D

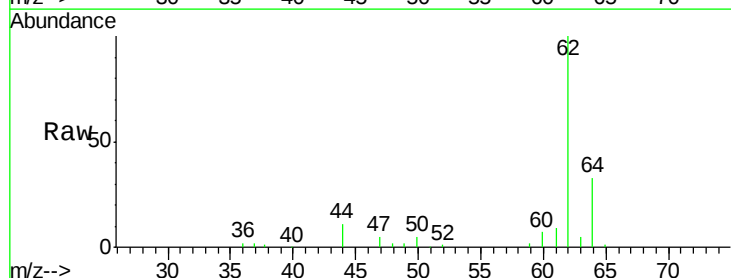
Acq: 3 Apr 2019 1:48

Tgt Ion: 62 Resp: 251340

Ion Ratio Lower Upper

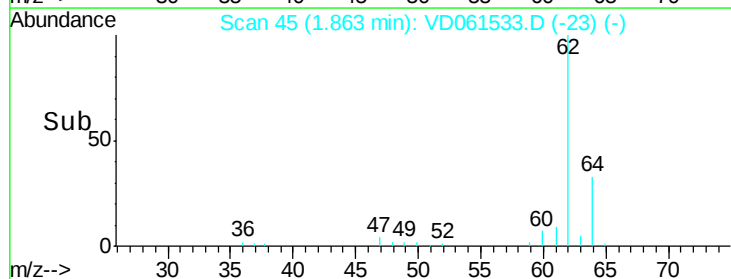
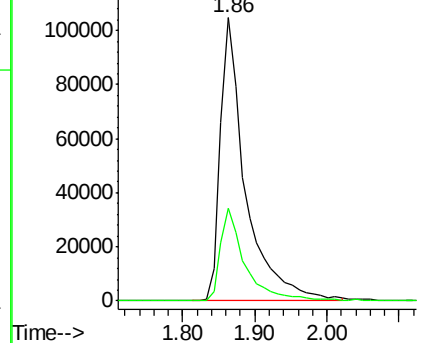
62 100

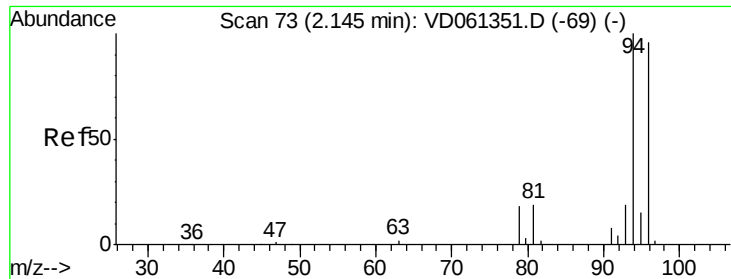
64 32.8 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

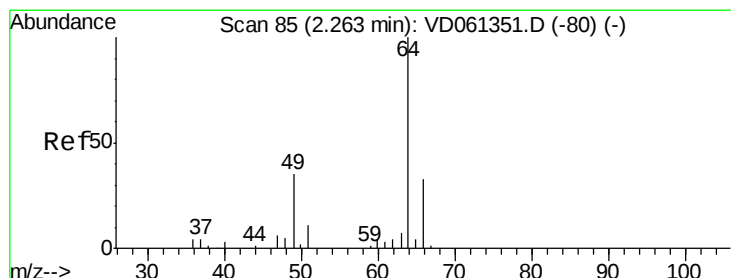
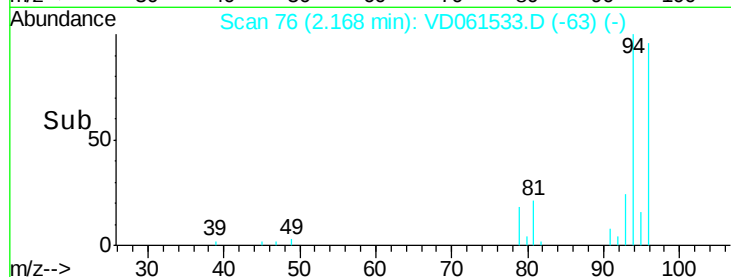
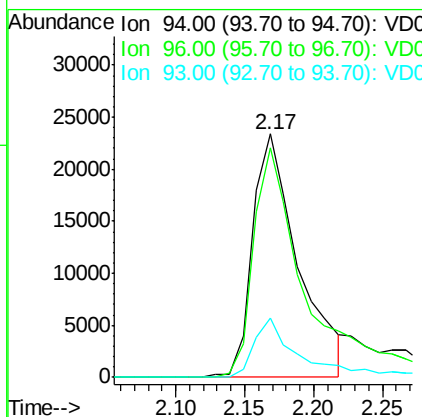
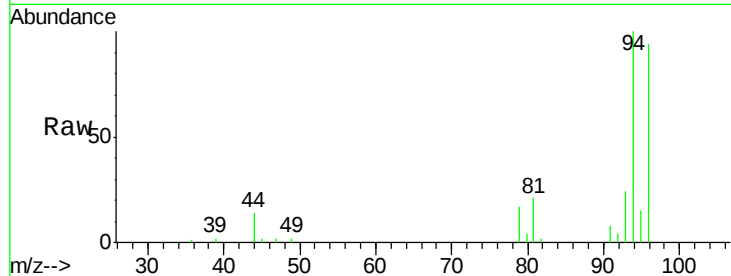




#5
Bromomethane
Concen: 54.755 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

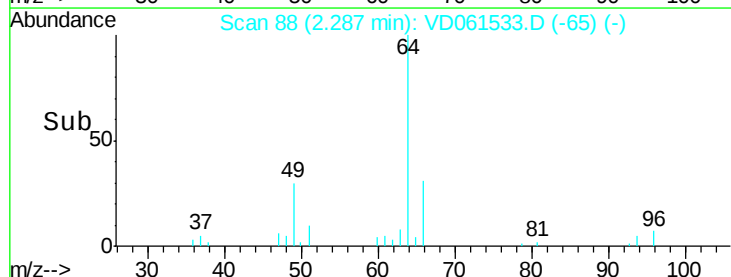
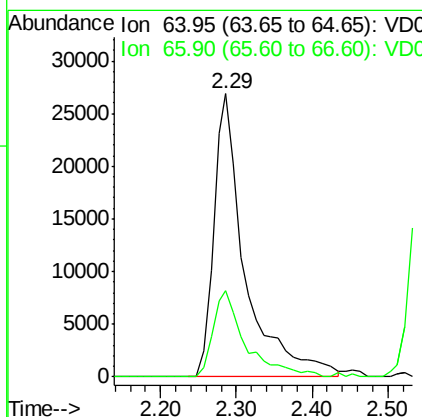
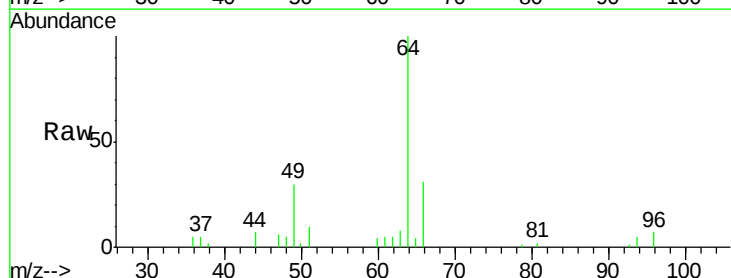
Instrument :
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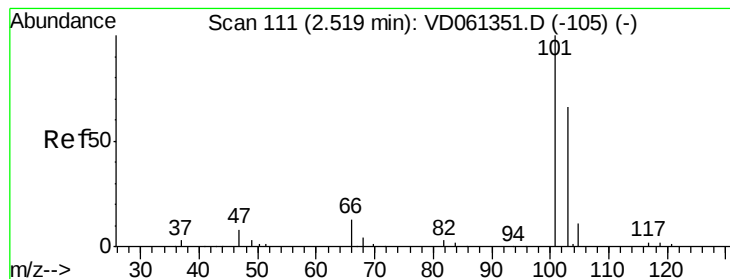
Tot Ion: 94 Resp: 54005
Ion Ratio Lower Upper
94 100
96 94.1 78.3 117.5
93 24.1 15.6 23.4#



#6
Chloroethane
Concen: 52.940 ug/l
RT: 2.29 min Scan# 88
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 64 Resp: 77219
Ion Ratio Lower Upper
64 100
66 30.6 26.2 39.2



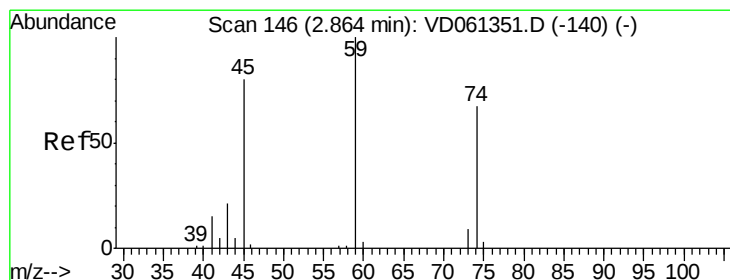
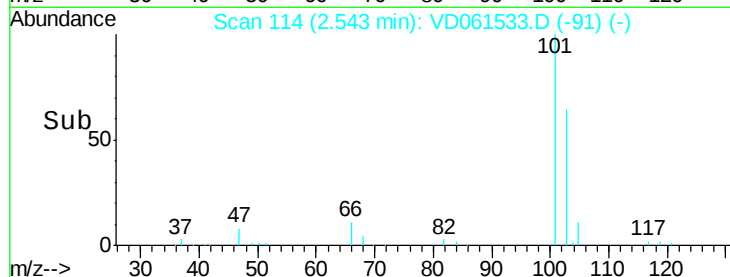
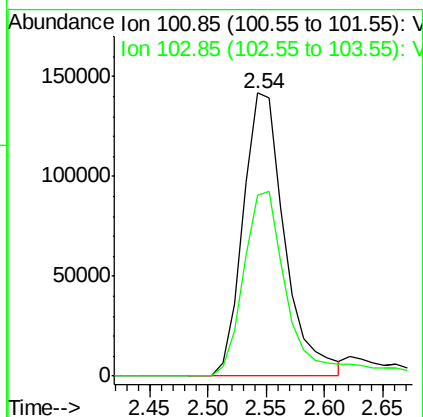
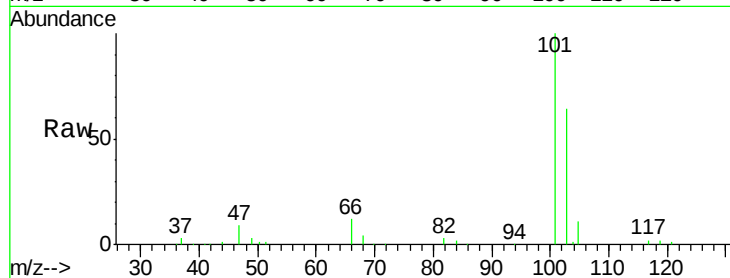


#7

Trichlorofluoromethane
 Concen: 48.584 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
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 ClientSampleId :
 VSTDCCC050

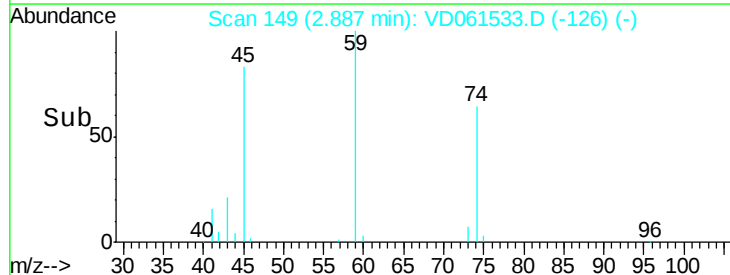
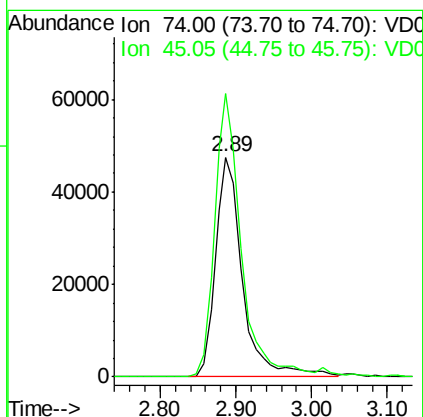
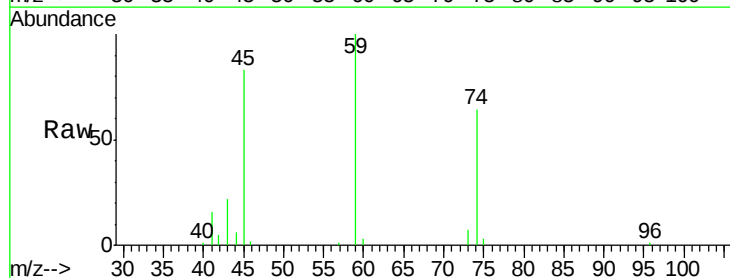
Tot Ion:101 Resp: 351392
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.1 79.7

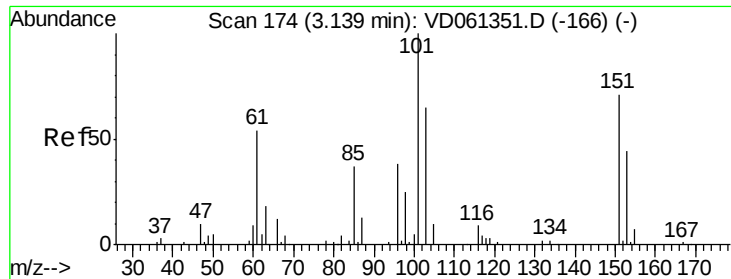


#8

Diethyl Ether
 Concen: 50.878 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 74 Resp: 118479
 Ion Ratio Lower Upper
 74 100
 45 128.7 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.124 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

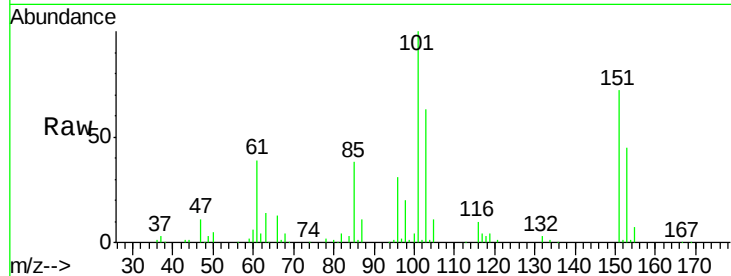
Tot Ion:101 Resp: 397530

Ion Ratio Lower Upper

101 100

85 37.9 29.4 44.0

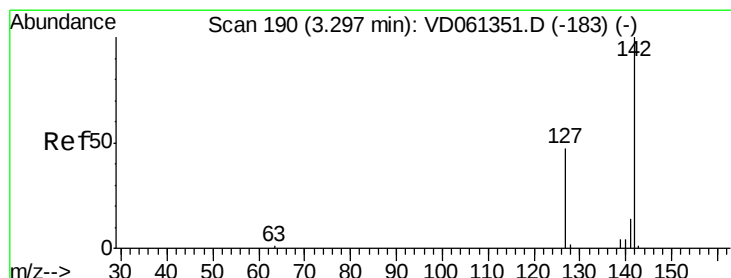
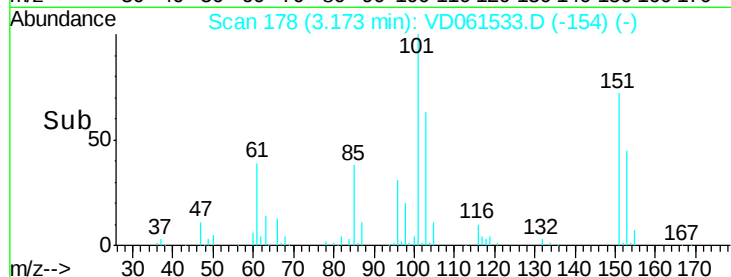
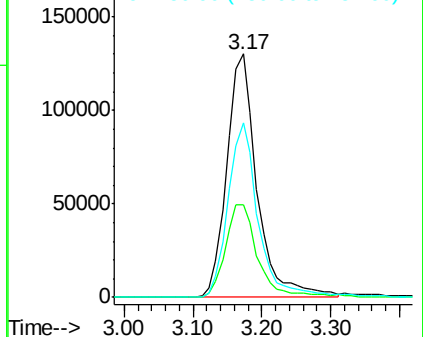
151 71.6 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.982 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

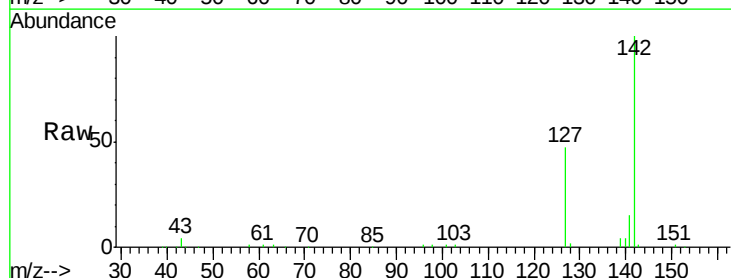
Tgt Ion:142 Resp: 565422

Ion Ratio Lower Upper

142 100

127 47.3 37.7 56.5

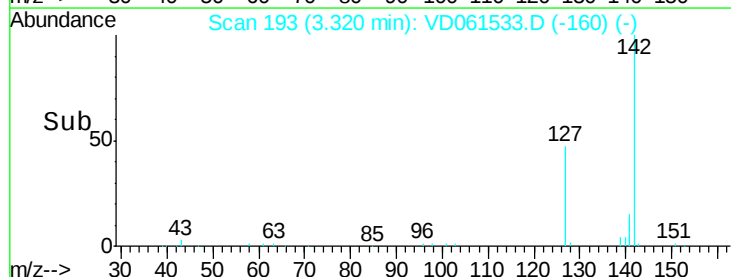
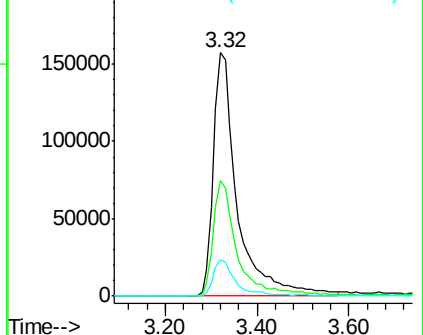
141 14.7 11.5 17.3

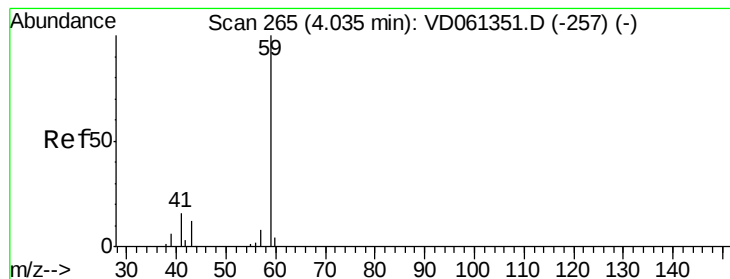


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



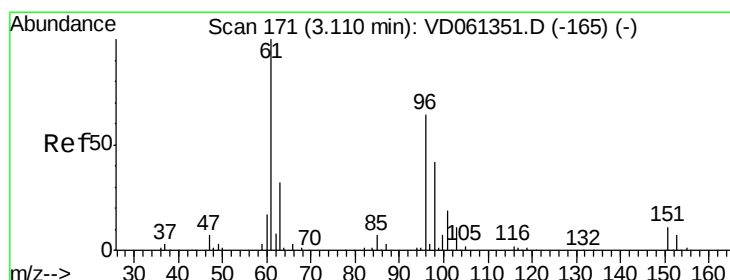
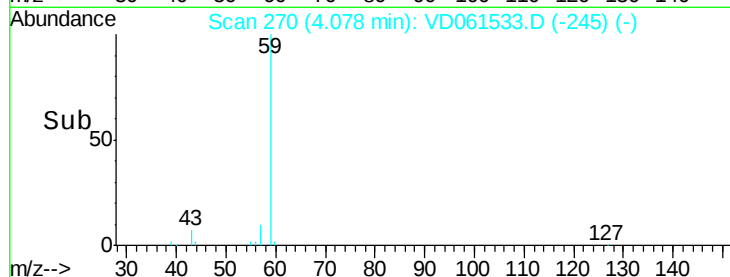
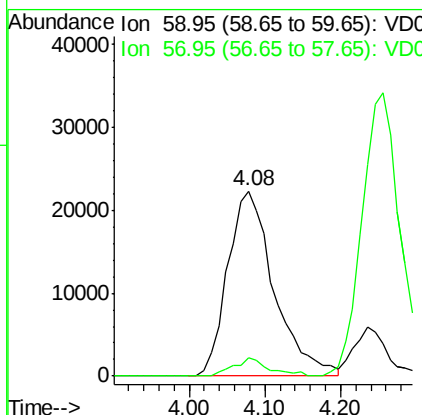
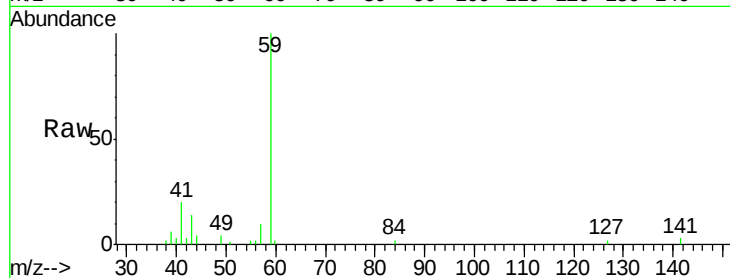


#11

Tert butyl alcohol
 Concen: 286.433 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.04 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

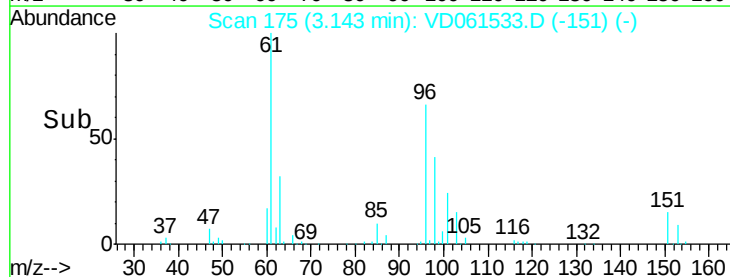
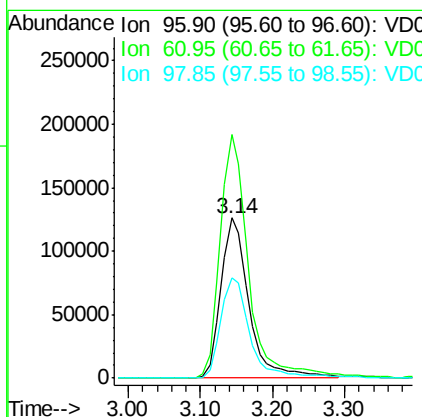
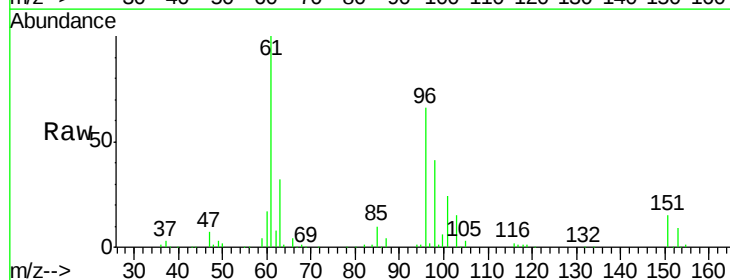
Tot Ion: 59 Resp: 94775
 Ion Ratio Lower Upper
 59 100
 57 9.7 6.7 10.1

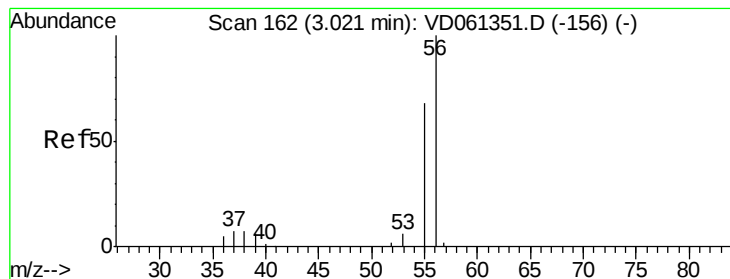


#12

1,1-Dichloroethene
 Concen: 51.351 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 96 Resp: 342813
 Ion Ratio Lower Upper
 96 100
 61 152.2 124.9 187.3
 98 62.5 52.5 78.7





#13

Acrolein

Concen: 187.534 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

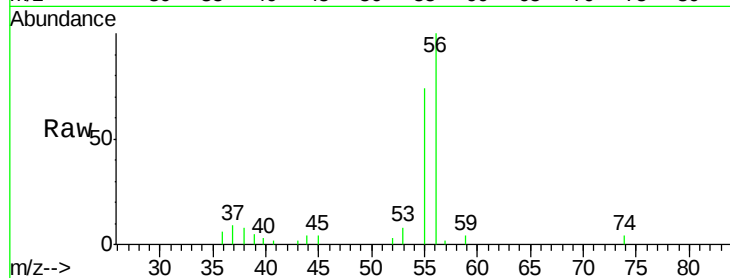
VSTDCCC050

Tot Ion: 56 Resp: 48721

Ion Ratio Lower Upper

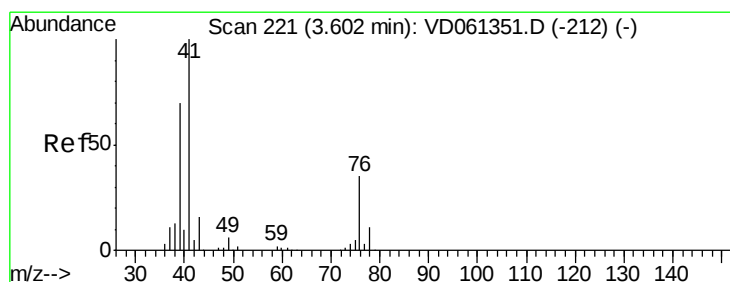
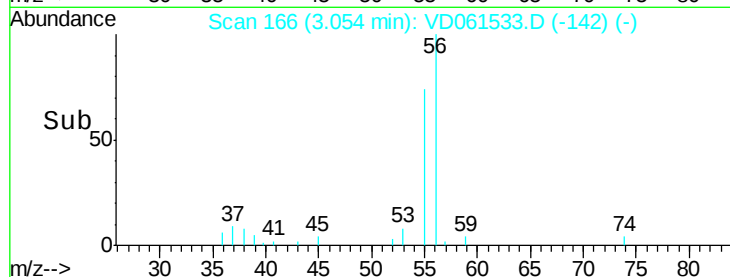
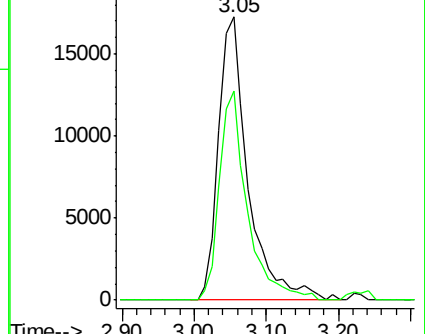
56 100

55 73.9 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.106 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

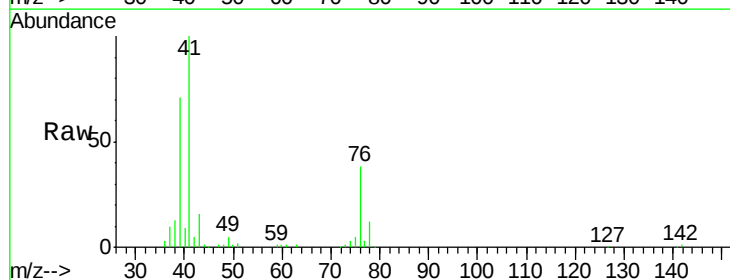
Tgt Ion: 41 Resp: 503800

Ion Ratio Lower Upper

41 100

39 70.9 55.6 83.4

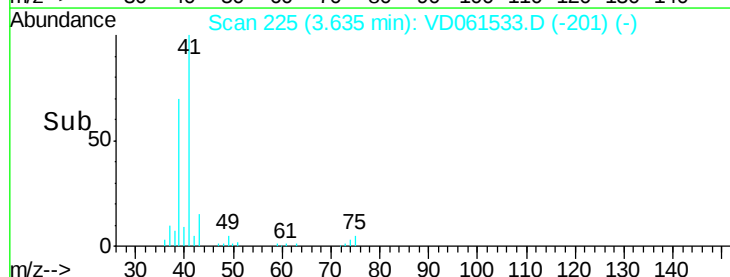
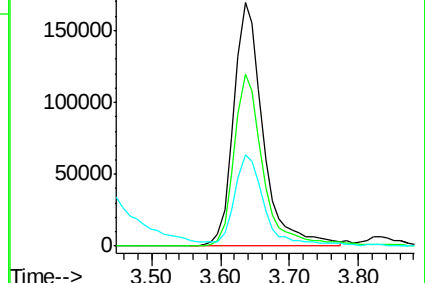
76 37.7 31.0 46.6

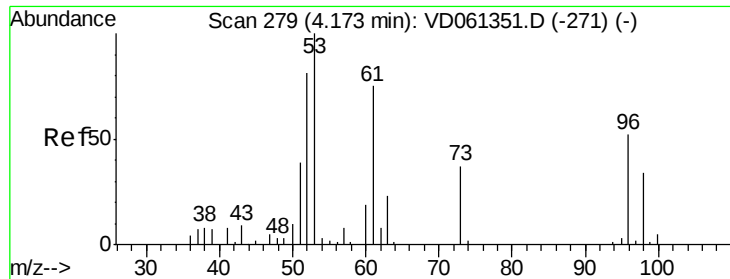


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 282.406 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

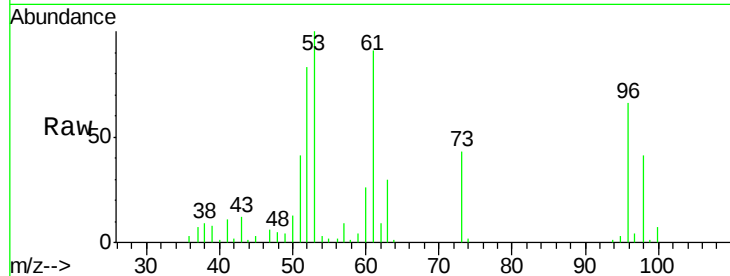
Tot Ion: 53 Resp: 324321

Ion Ratio Lower Upper

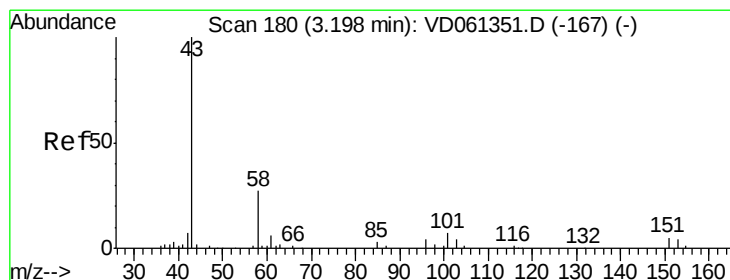
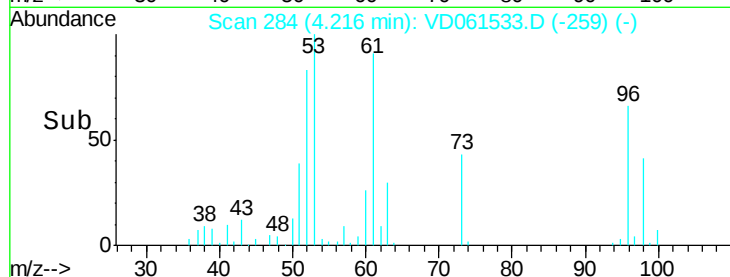
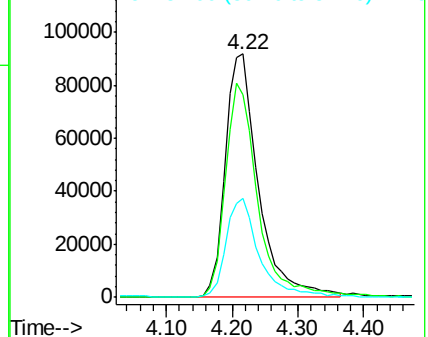
53 100

52 83.0 64.8 97.2

51 40.6 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 244.495 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061533.D

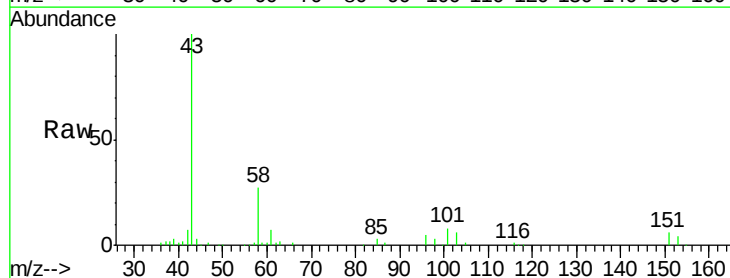
Acq: 3 Apr 2019 1:48

Tgt Ion: 43 Resp: 333933

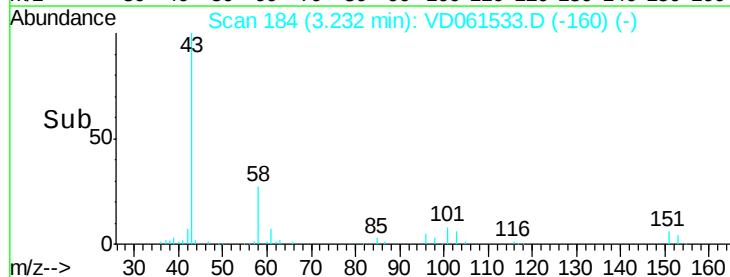
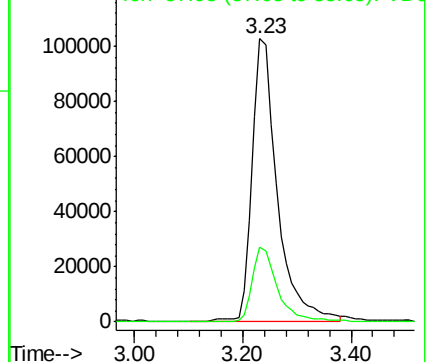
Ion Ratio Lower Upper

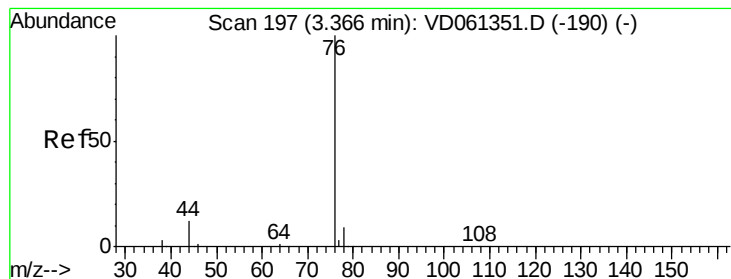
43 100

58 26.5 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.345 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

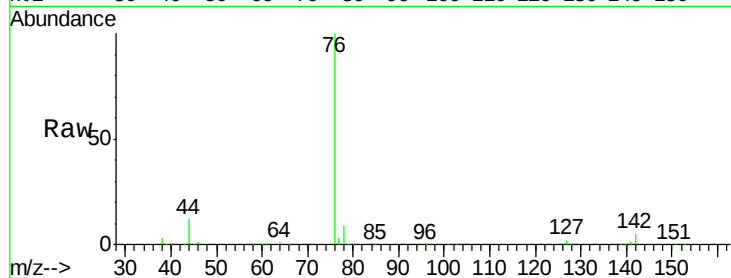
VSTDCCC050

Tot Ion: 76 Resp: 1026923

Ion Ratio Lower Upper

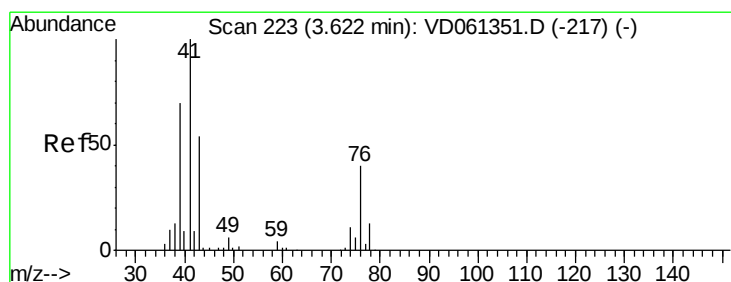
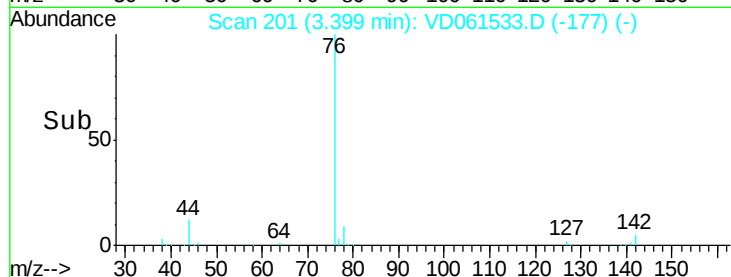
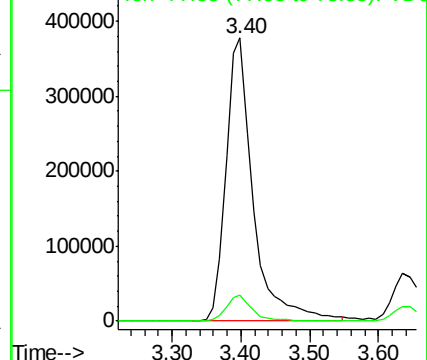
76 100

78 9.2 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 57.175 ug/l

RT: 3.65 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD061533.D

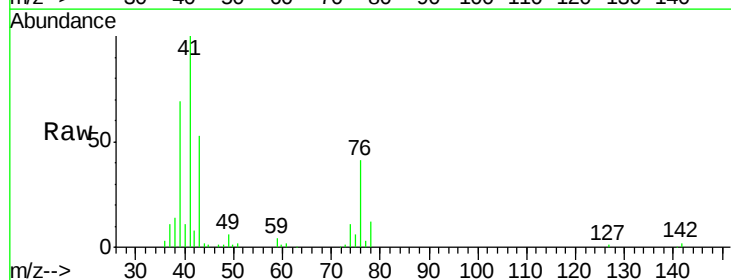
Acq: 3 Apr 2019 1:48

Tgt Ion: 43 Resp: 164187

Ion Ratio Lower Upper

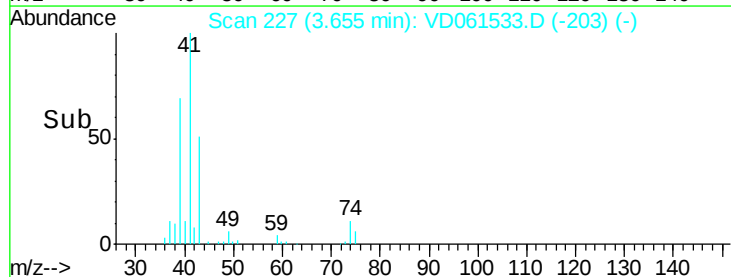
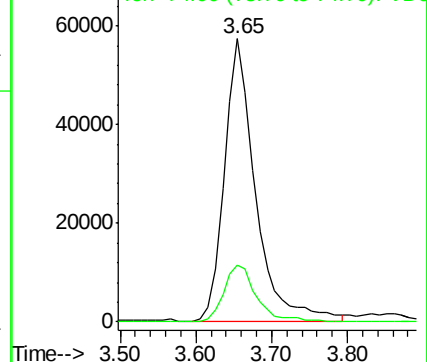
43 100

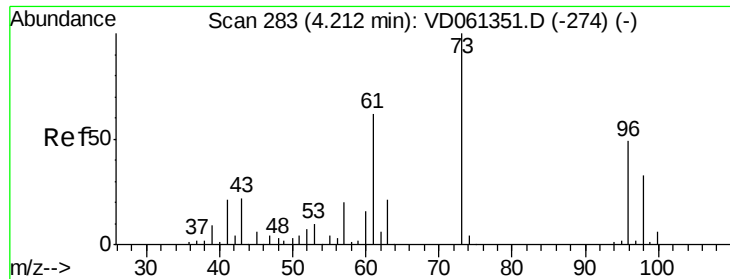
74 20.1 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

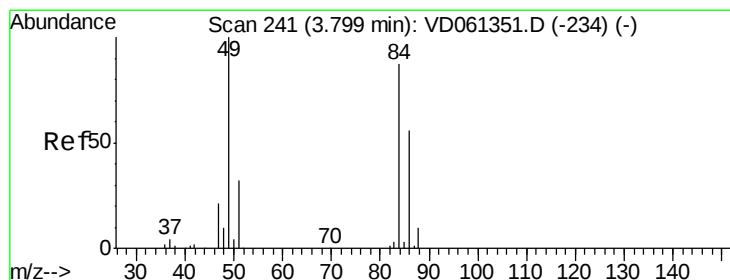
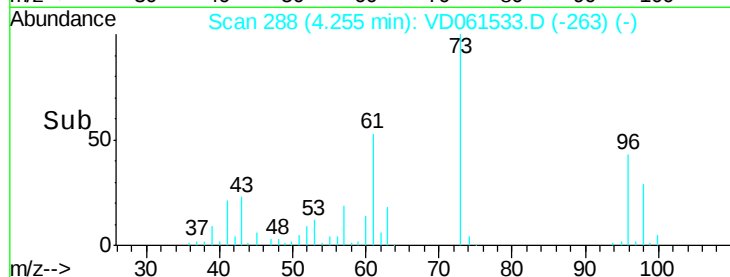
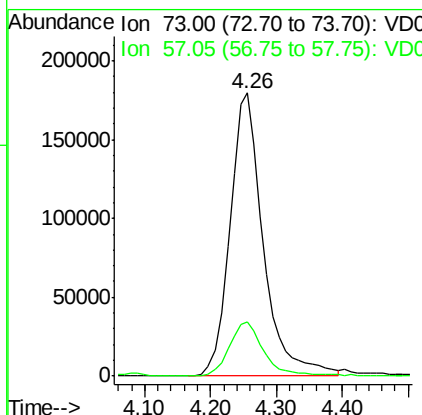
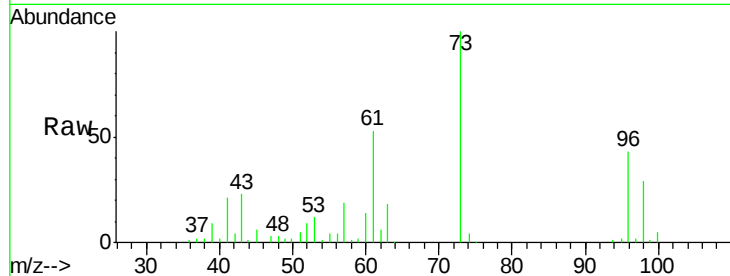




#19
Methvl tert-butvl Ether
Concen: 54.942 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

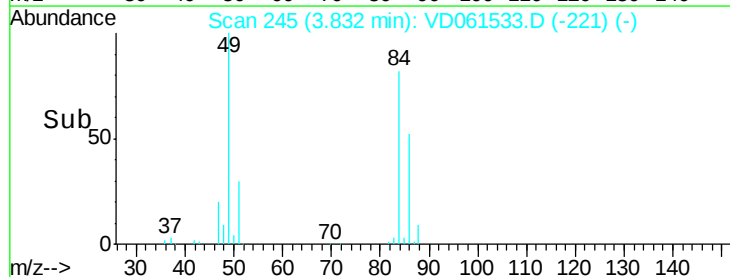
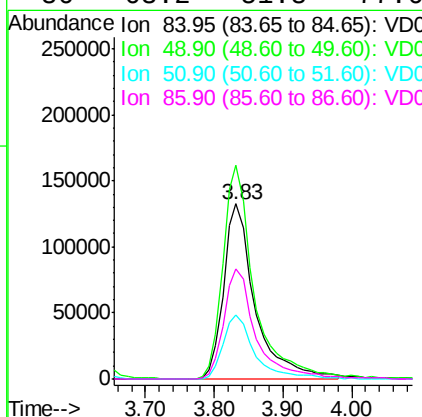
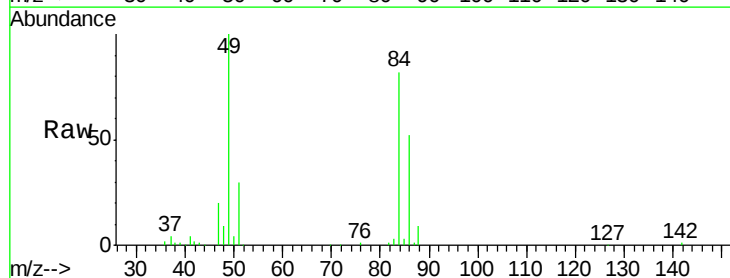
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

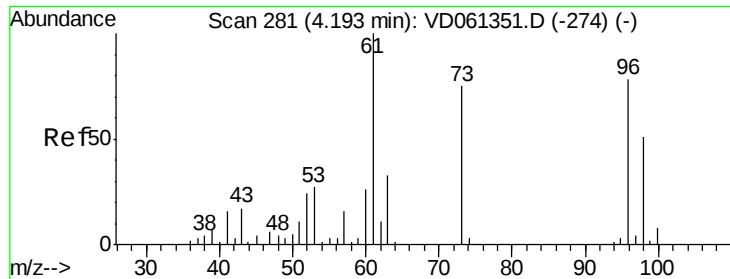
Tot Ion: 73 Resp: 634910
Ion Ratio Lower Upper
73 100
57 19.0 16.4 24.6



#20
Methylene Chloride
Concen: 54.926 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 84 Resp: 418807
Ion Ratio Lower Upper
84 100
49 122.0 91.8 137.8
51 36.8 29.8 44.8
86 63.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.940 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

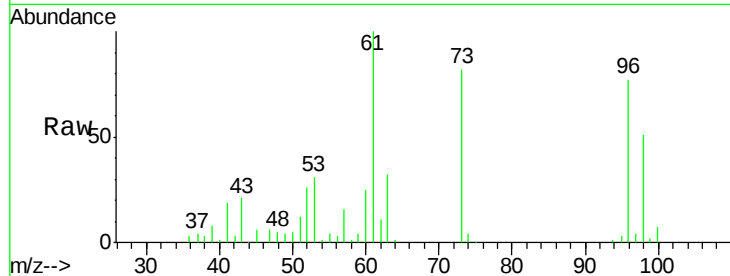
Tot Ion: 96 Resp: 374365

Ion Ratio Lower Upper

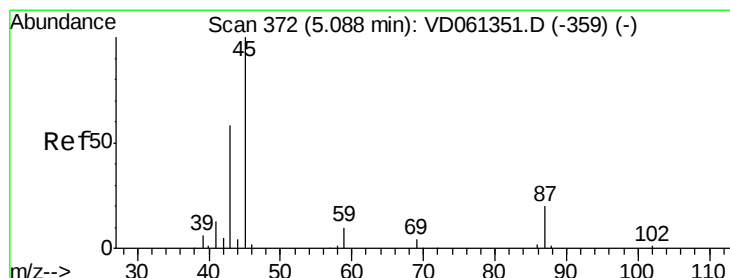
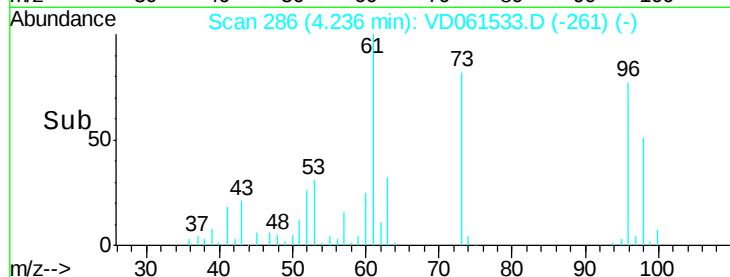
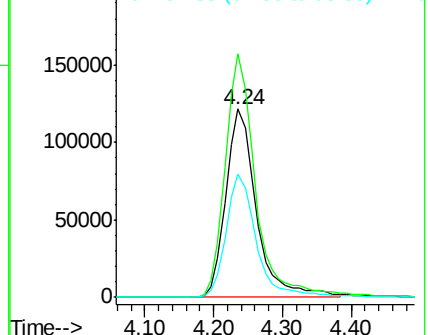
96 100

61 129.4 102.7 154.1

98 65.7 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 56.000 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion: 45 Resp: 1103432

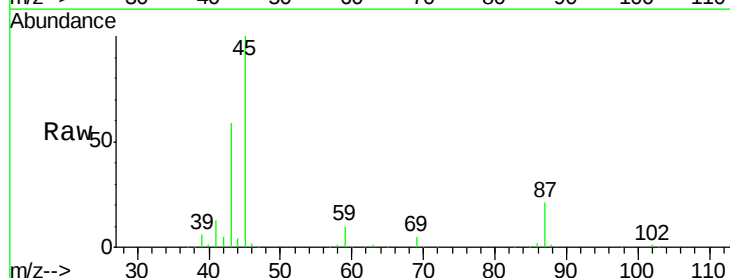
Ion Ratio Lower Upper

45 100

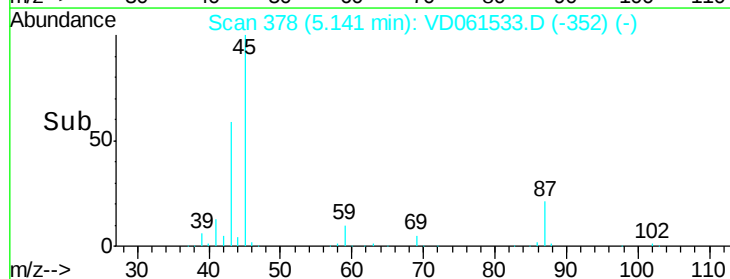
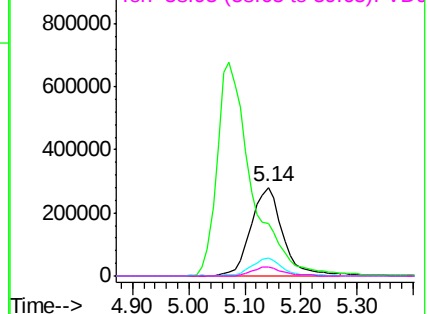
43 59.4 47.4 71.2

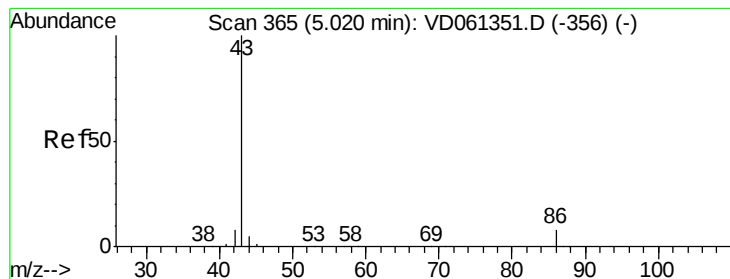
87 20.8 16.3 24.5

59 9.6 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 267.805 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

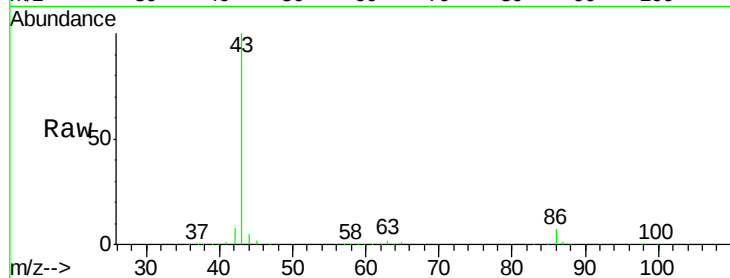
VSTDCCC050

Tot Ion: 43 Resp: 2866383

Ion Ratio Lower Upper

43 100

86 7.5 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

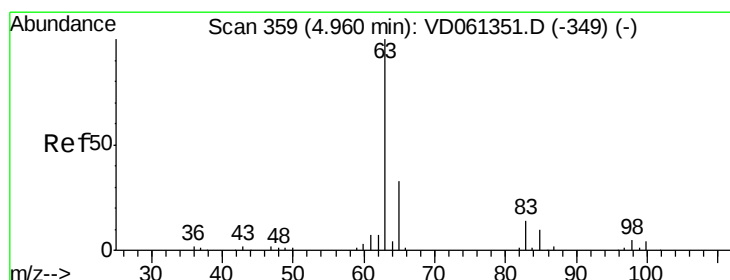
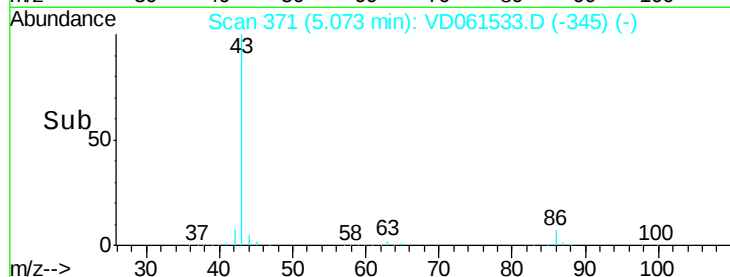
600000

400000

200000

0

Time--> 4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 52.926 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

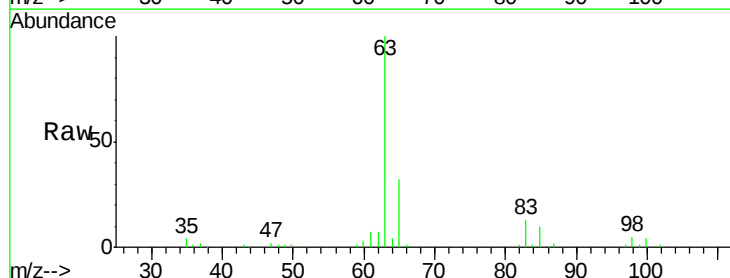
Tgt Ion: 63 Resp: 612887

Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

100 3.9 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

200000

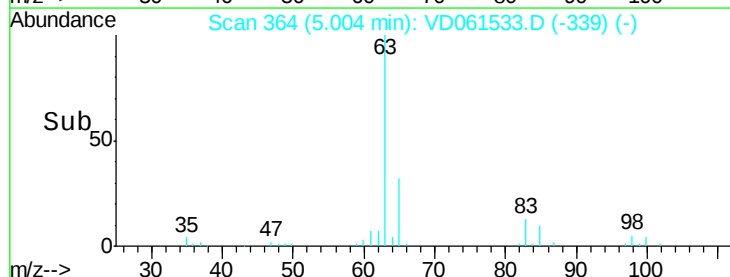
150000

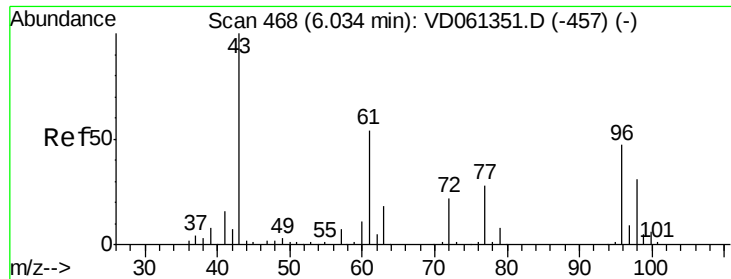
100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 265.009 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

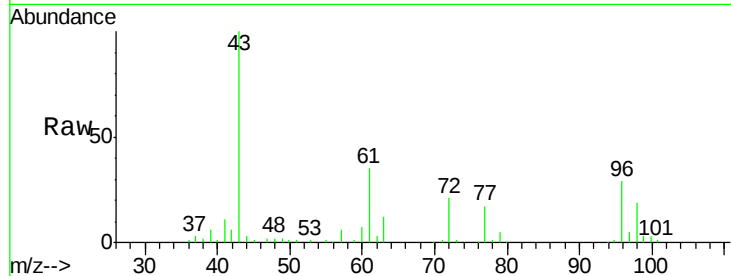
VSTDCCC050

Tot Ion: 43 Resp: 455302

Ion Ratio Lower Upper

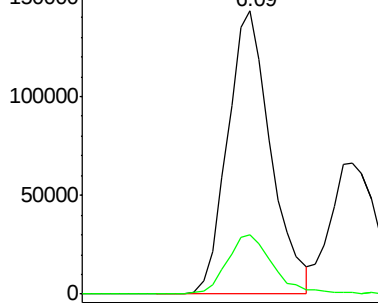
43 100

72 21.0 17.2 25.8

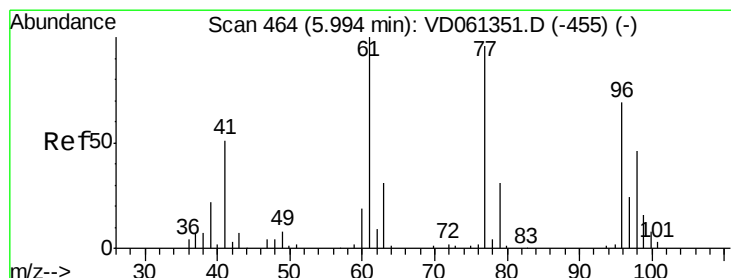
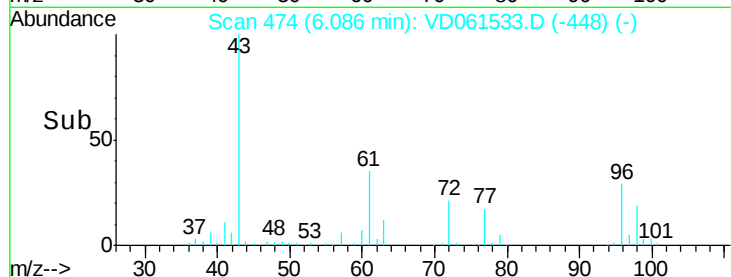


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 51.358 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD061533.D

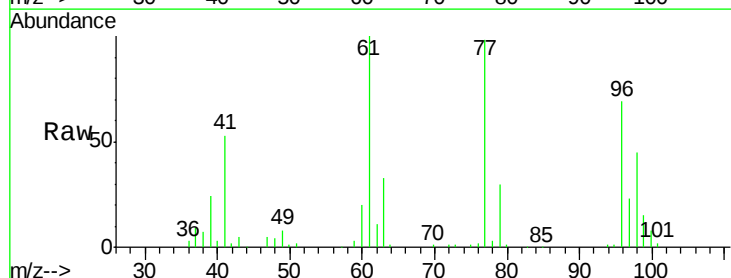
Acq: 3 Apr 2019 1:48

Tgt Ion: 77 Resp: 472768

Ion Ratio Lower Upper

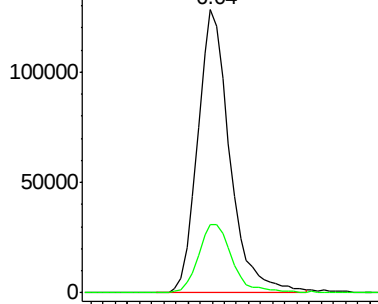
77 100

97 23.9 12.7 38.0

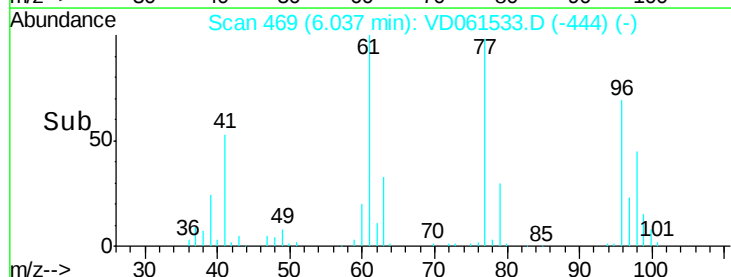


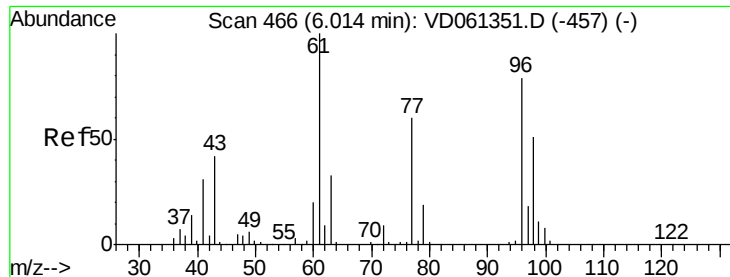
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



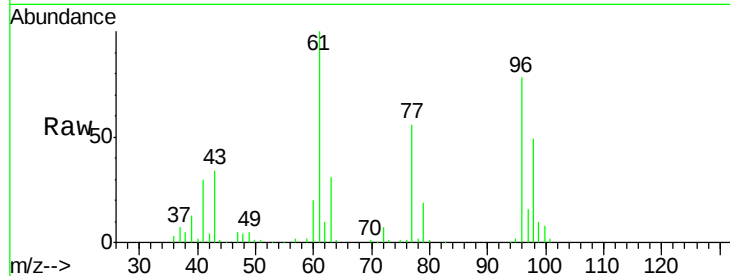


#27

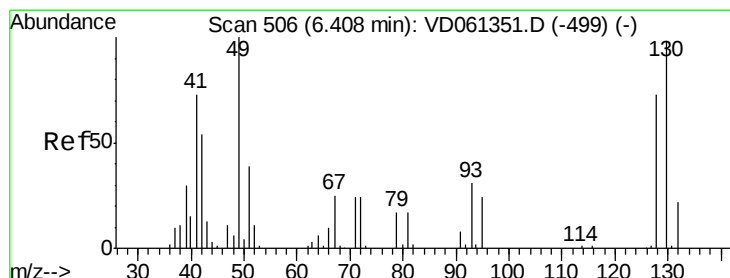
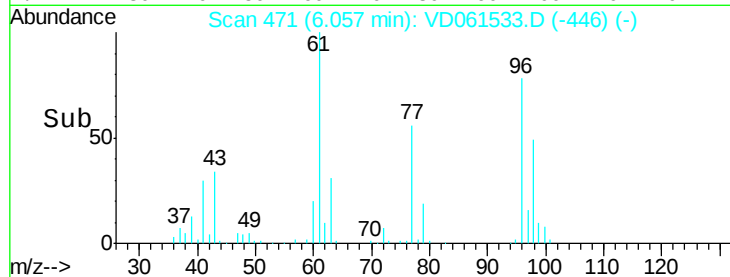
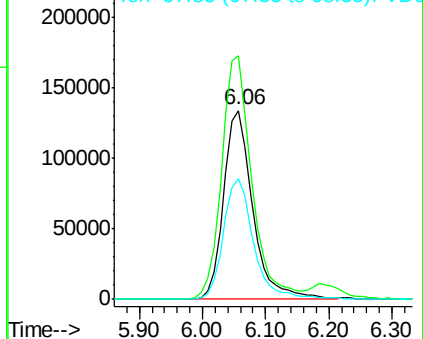
cis-1,2-Dichloroethene
 Concen: 54.596 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.04 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 431139
 Ion Ratio Lower Upper
 96 100
 61 128.8 0.0 251.6
 98 63.6 0.0 129.2



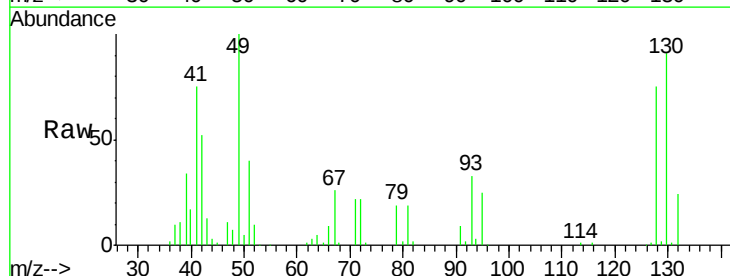
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



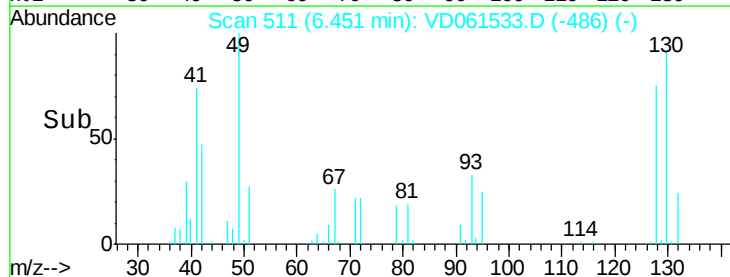
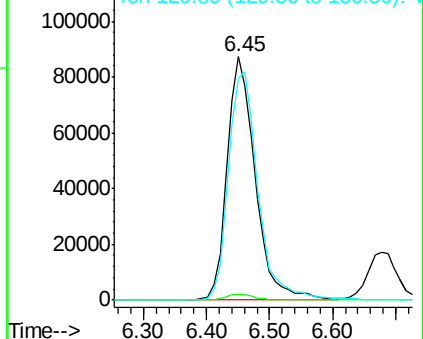
#28

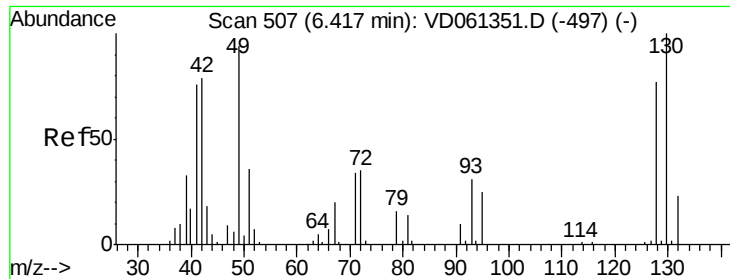
Bromochloromethane
 Concen: 57.575 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.04 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 49 Resp: 269133
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 0.0#
 130 91.3 78.4 117.6



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

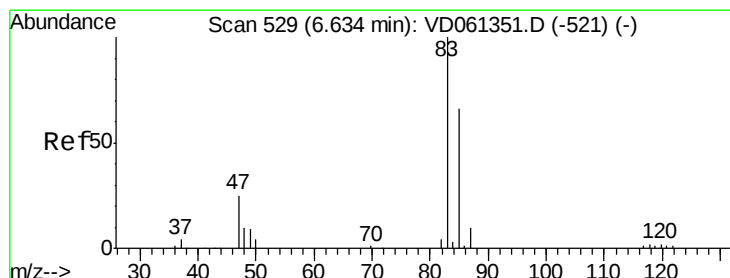
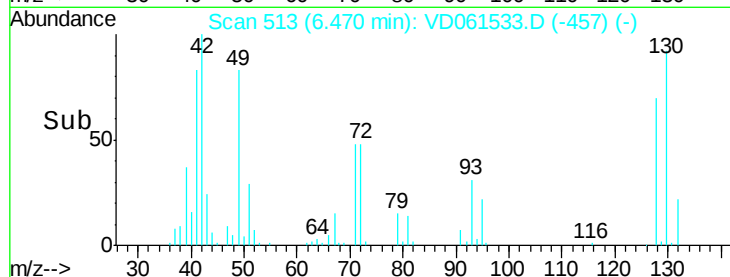
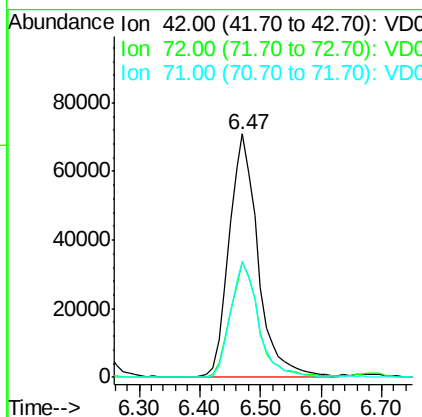
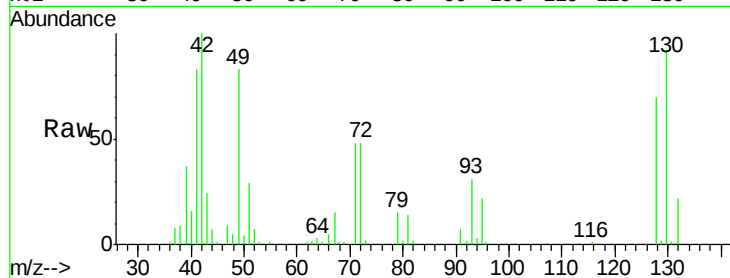




#29
Tetrahydrofuran
Concen: 284.051 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

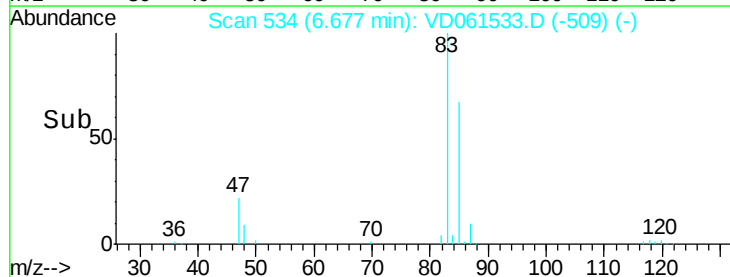
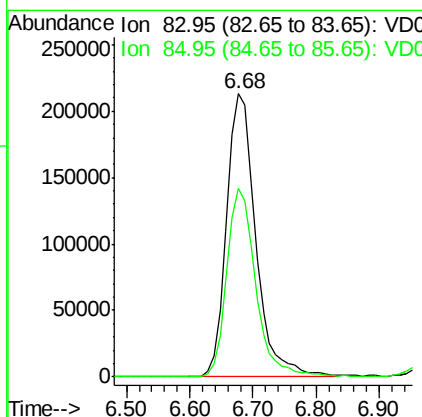
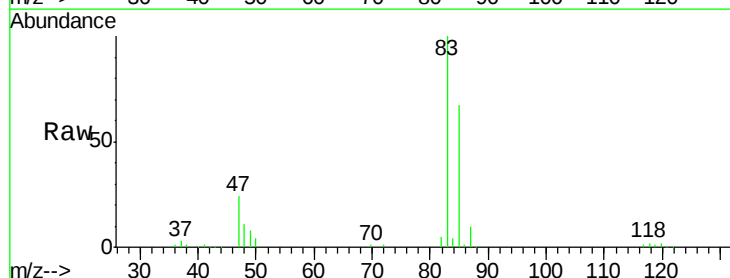
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

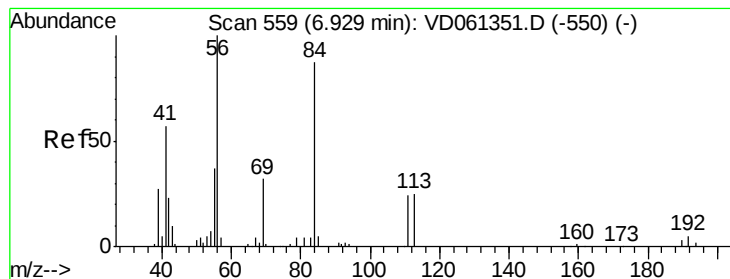
Tot Ion: 42 Resp: 236540
Ion Ratio Lower Upper
42 100
72 46.2 37.4 56.0
71 45.6 36.7 55.1



#30
Chloroform
Concen: 56.974 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 83 Resp: 681712
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.4





#31

Cyclohexane

Concen: 50.923 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

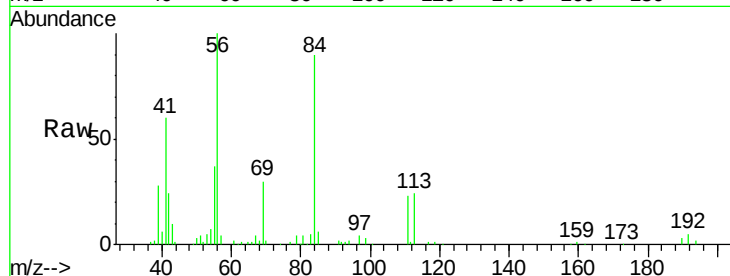
Tot Ion: 56 Resp: 465996

Ion Ratio Lower Upper

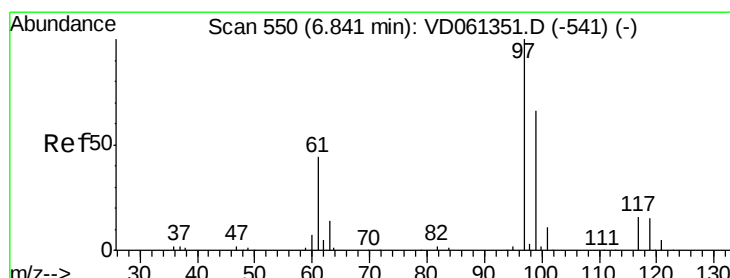
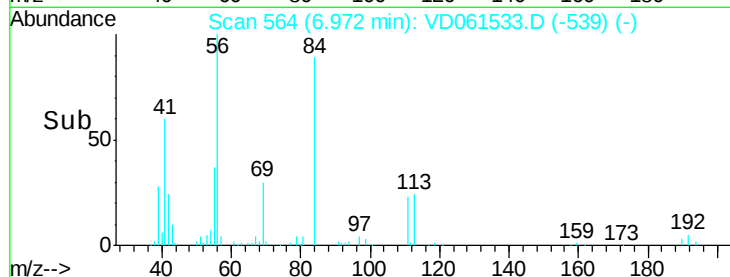
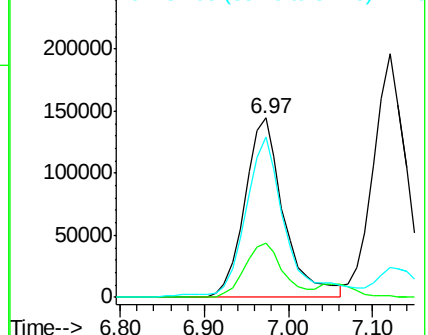
56 100

69 30.2 25.7 38.5

84 89.6 70.6 105.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 53.968 ug/l

RT: 6.88 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

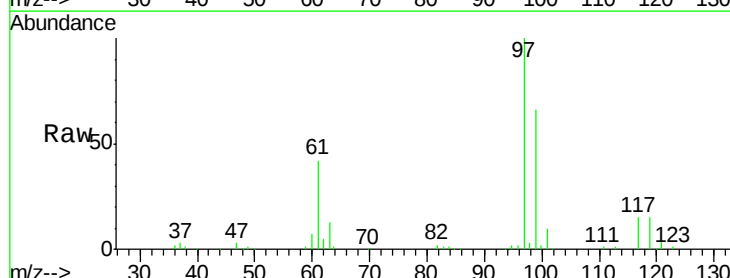
Tgt Ion: 97 Resp: 569690

Ion Ratio Lower Upper

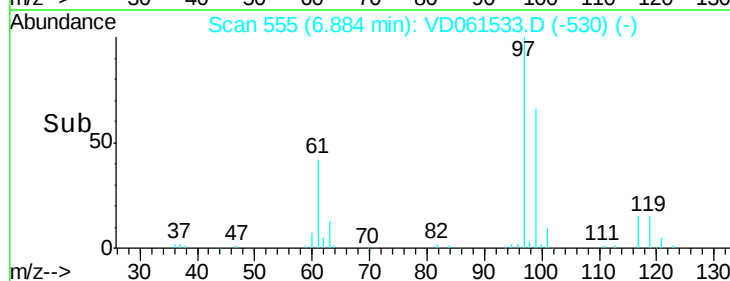
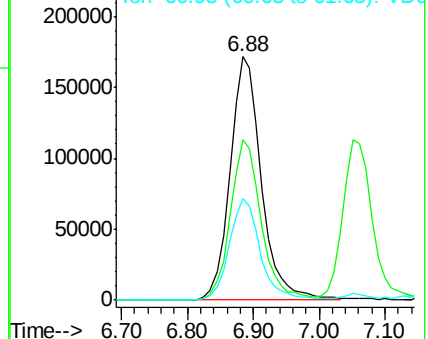
97 100

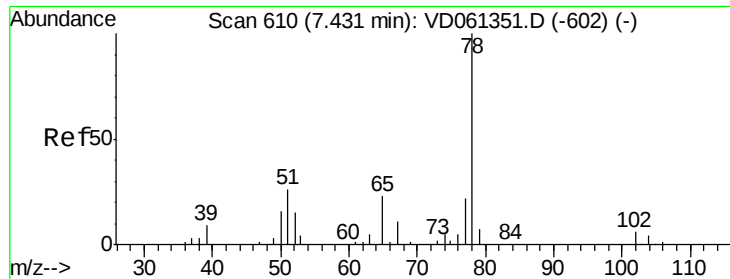
99 66.0 53.1 79.7

61 41.6 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.968 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

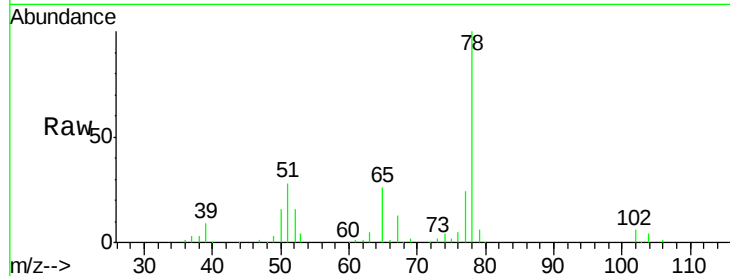
VSTDCCC050

Tot Ion: 65 Resp: 289906

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

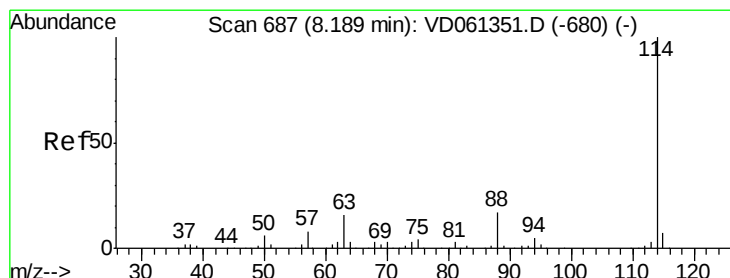
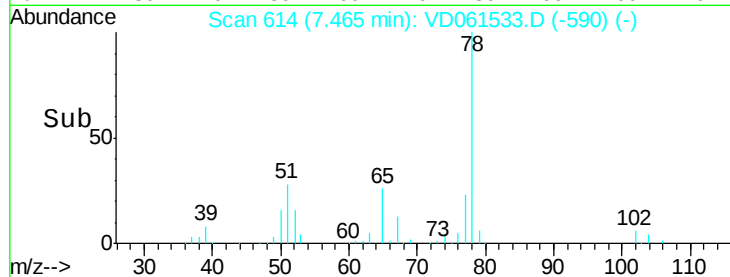
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

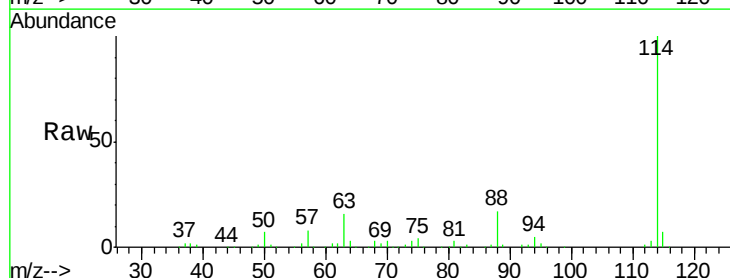
Tgt Ion: 114 Resp: 1128506

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.6

88 16.9 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

600000

500000

400000

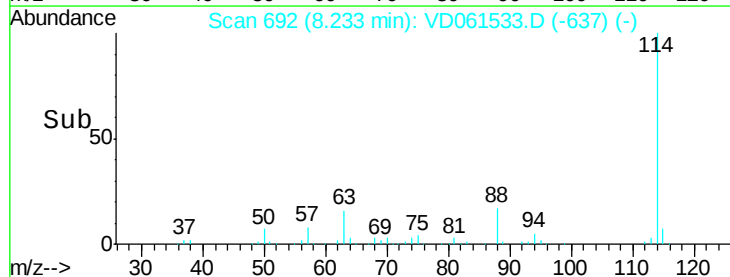
300000

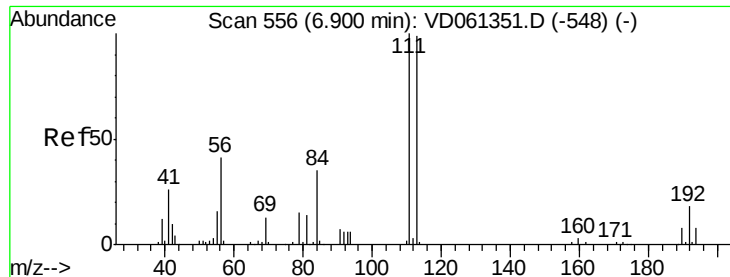
200000

100000

0

Time-->

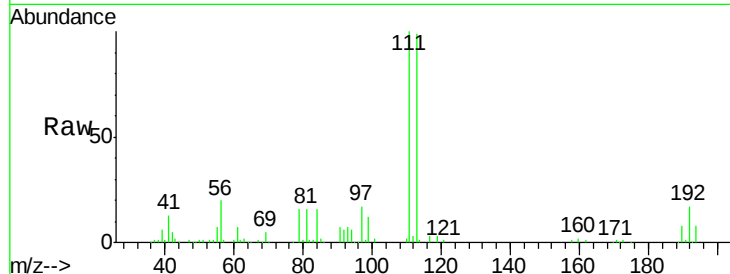




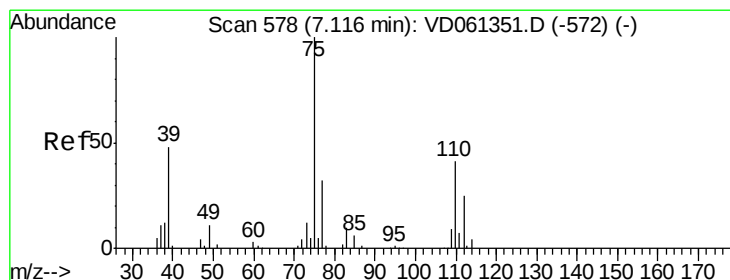
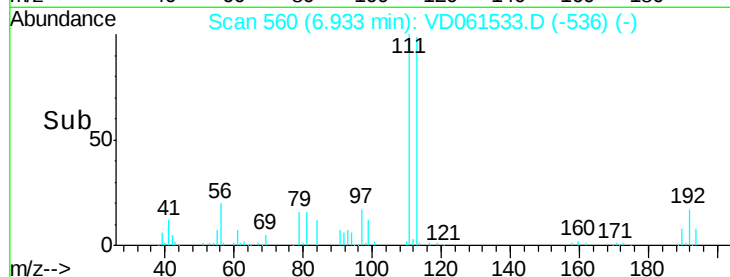
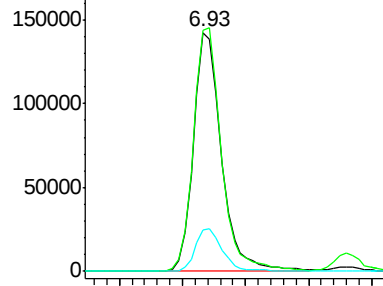
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 438802
Ion Ratio Lower Upper
113 100
111 100.6 81.0 121.6
192 17.1 14.4 21.6

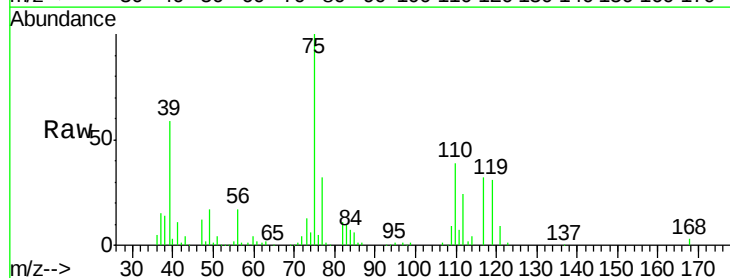


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

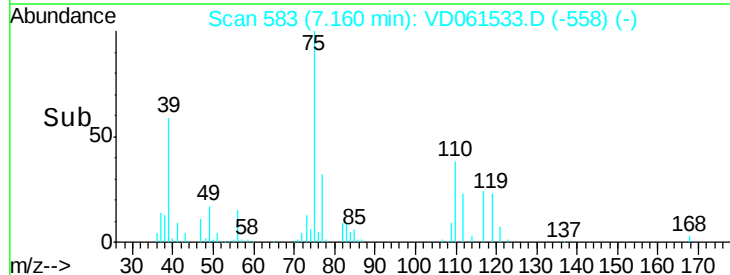
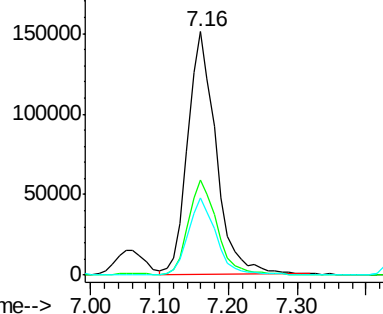


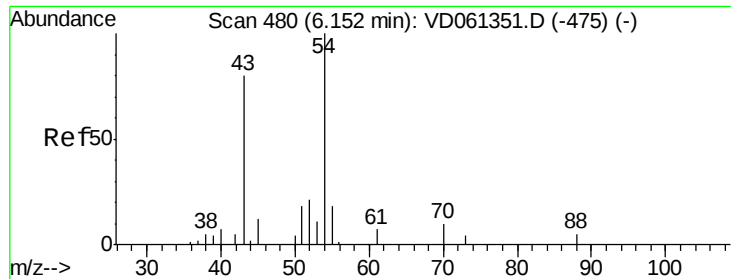
#36
1,1-Dichloropropene
Concen: 43.614 ug/l
RT: 7.16 min Scan# 583
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 75 Resp: 429567
Ion Ratio Lower Upper
75 100
110 38.9 20.4 61.3
77 31.5 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

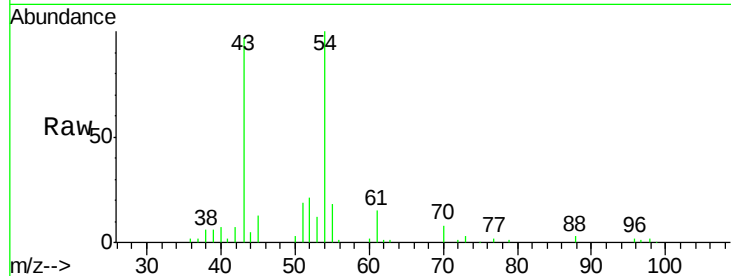




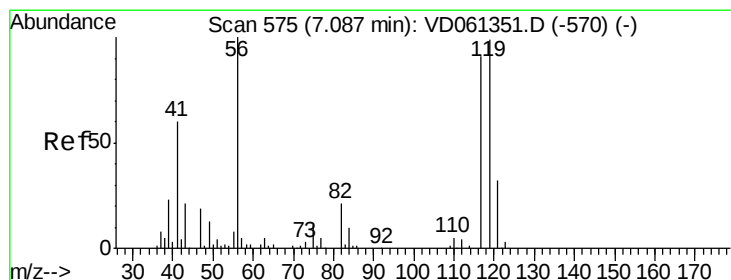
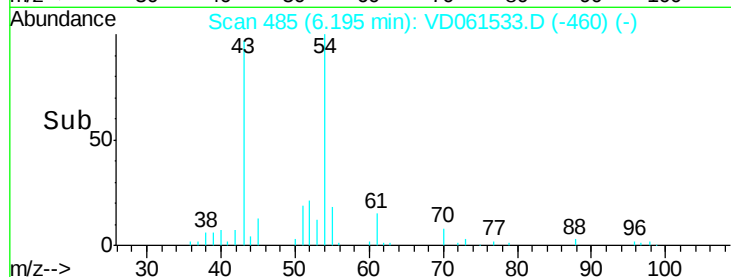
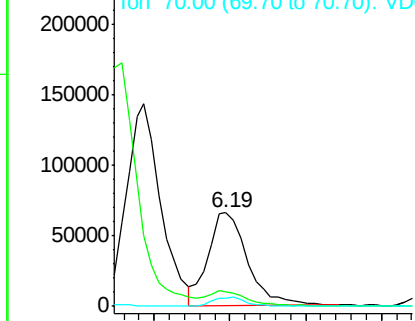
#37
Ethyl Acetate
Concen: 56.158 ug/l
RT: 6.19 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 236556
Ion Ratio Lower Upper
43 100
61 15.3 13.8 20.8
70 8.6 7.8 11.8

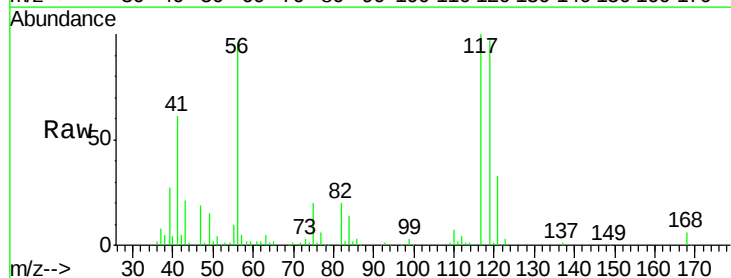


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

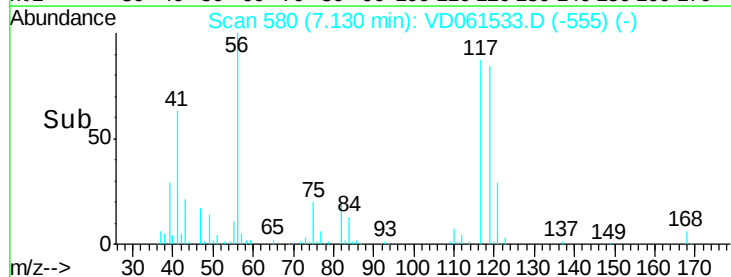
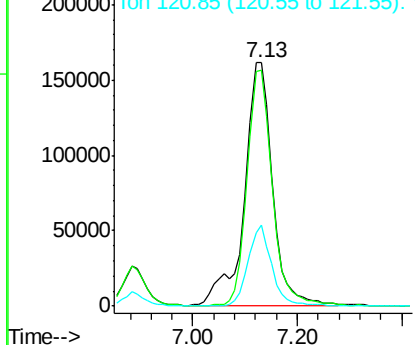


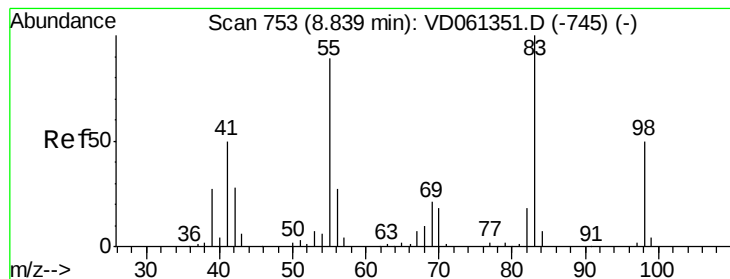
#38
Carbon Tetrachloride
Concen: 51.626 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 117 Resp: 584294
Ion Ratio Lower Upper
117 100
119 96.9 80.1 120.1
121 33.2 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 50.170 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

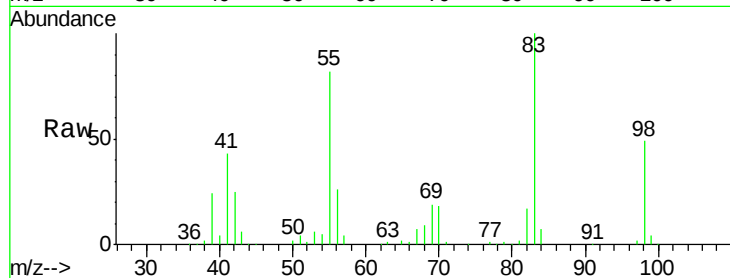
Tot Ion: 83 Resp: 514646

Ion Ratio Lower Upper

83 100

55 82.2 71.5 107.3

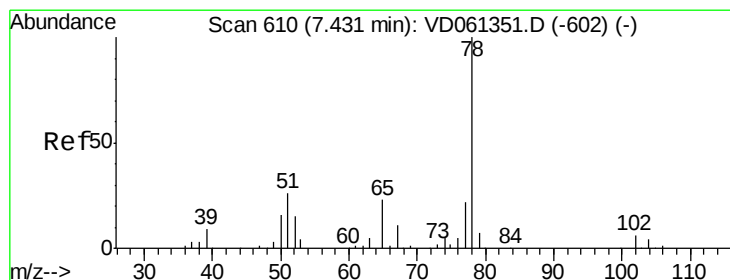
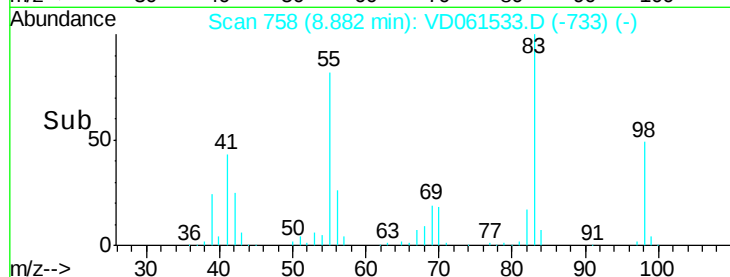
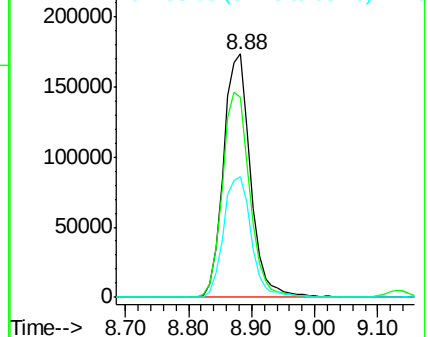
98 49.4 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.126 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061533.D

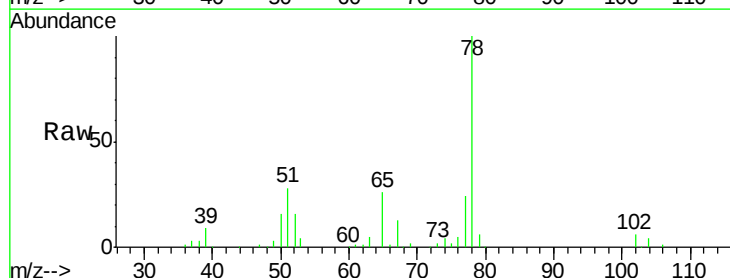
Acq: 3 Apr 2019 1:48

Tgt Ion: 78 Resp: 1239063

Ion Ratio Lower Upper

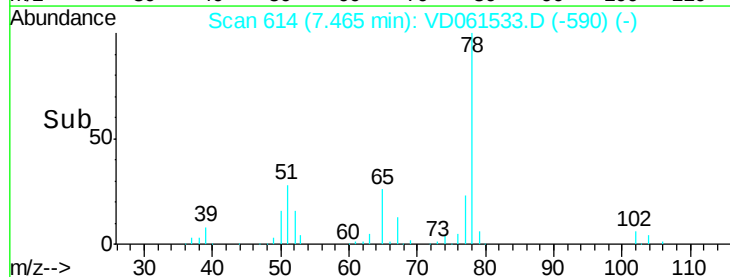
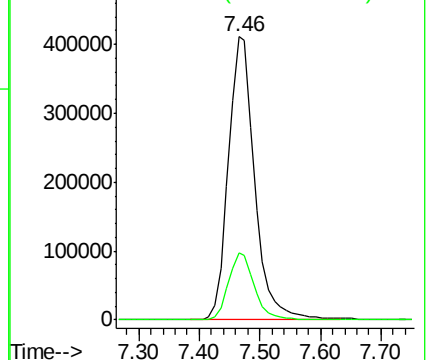
78 100

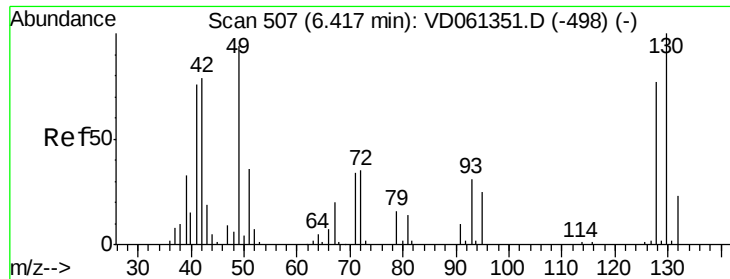
77 23.6 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

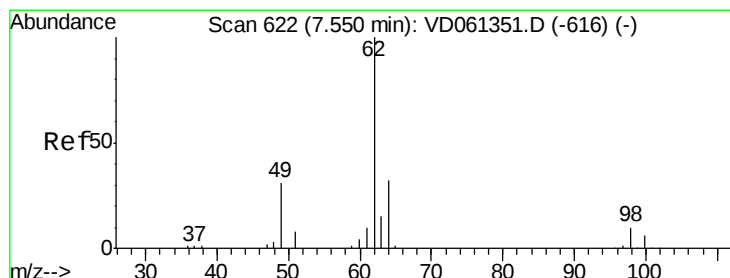
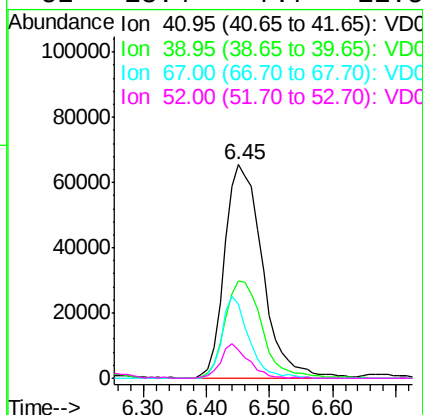
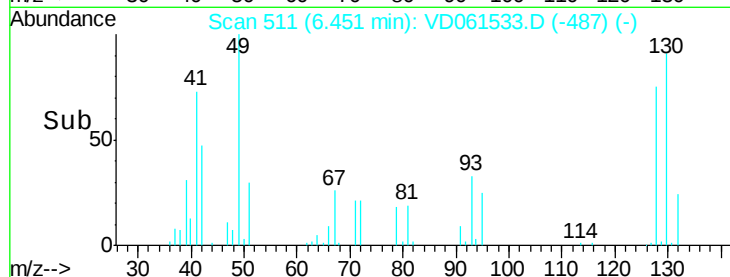
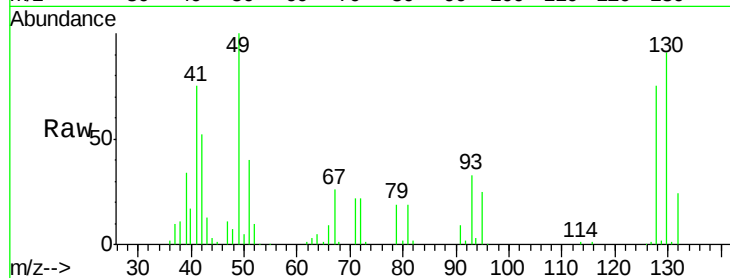




#41
Methacrylonitrile
Concen: 55.526 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

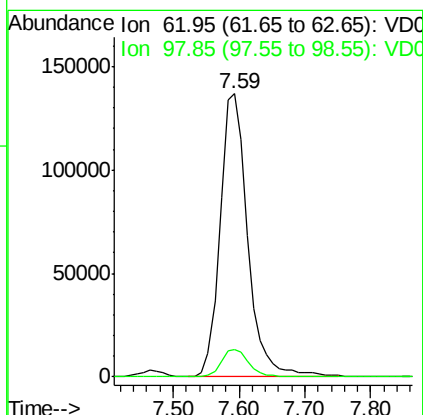
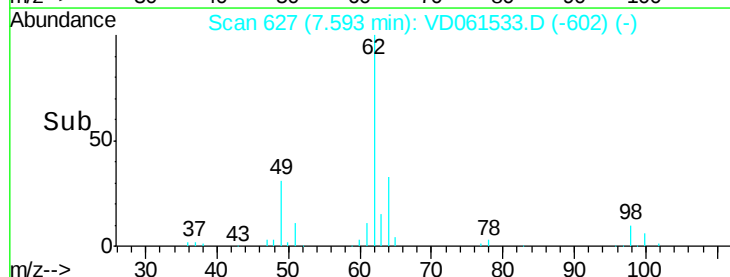
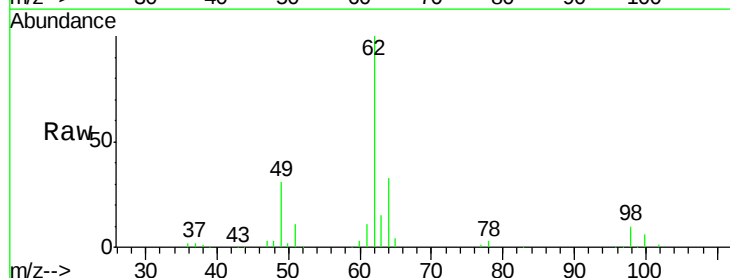
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

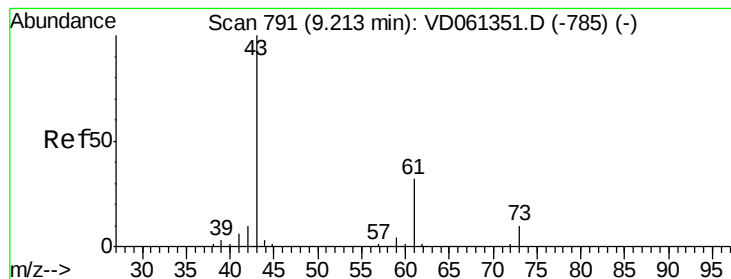
Tot Ion: 41 Resp: 273475
Ion Ratio Lower Upper
41 100
39 45.8 35.0 52.6
67 34.6 21.0 31.6#
52 13.4 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 54.340 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 62 Resp: 401797
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.8





#43

Isopropyl Acetate

Concen: 56.541 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

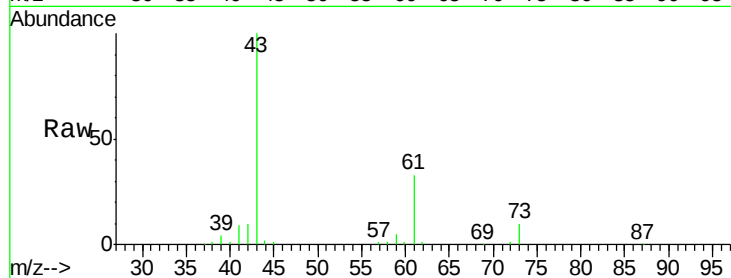
Tot Ion: 43 Resp: 346533

Ion Ratio Lower Upper

43 100

61 32.5 25.8 38.6

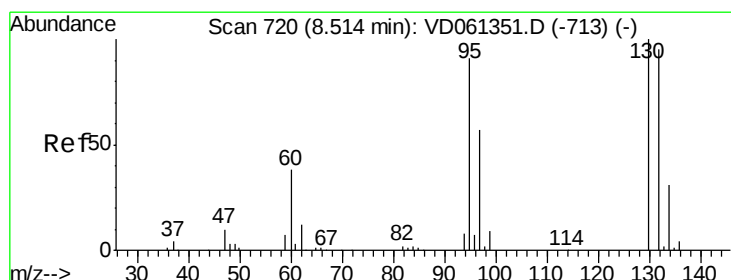
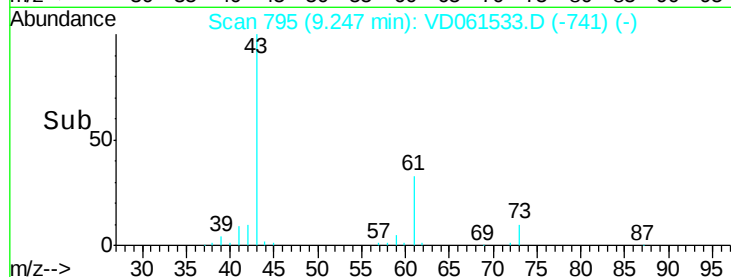
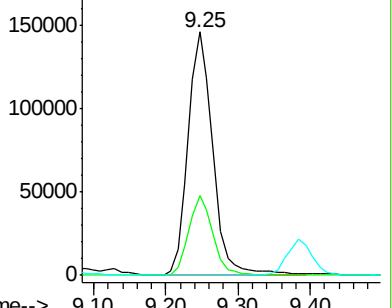
87 0.3 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.681 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD061533.D

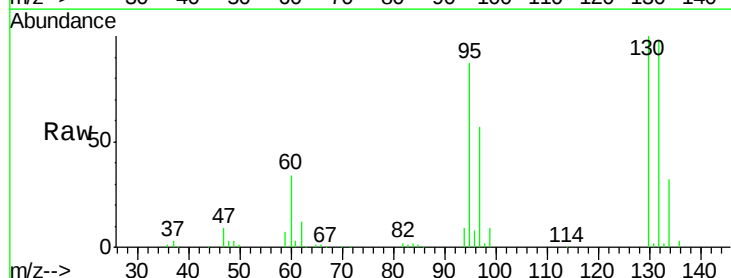
Acq: 3 Apr 2019 1:48

Tgt Ion:130 Resp: 457024

Ion Ratio Lower Upper

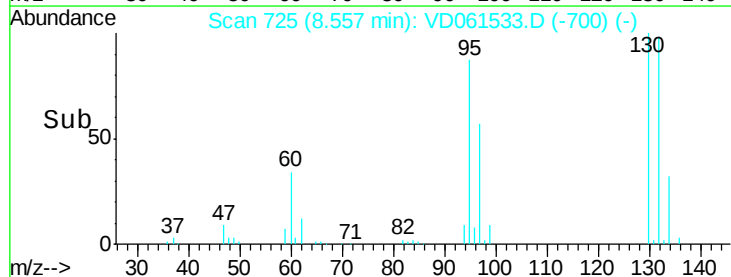
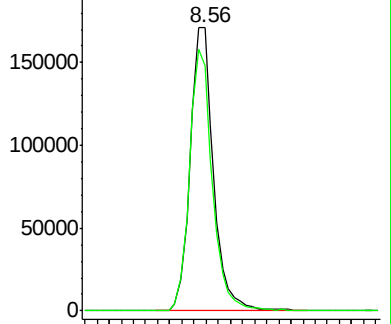
130 100

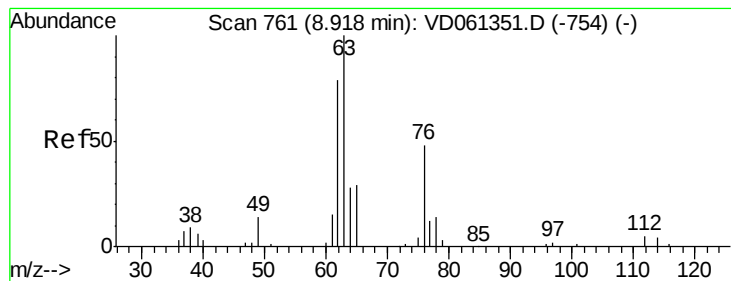
95 86.6 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.490 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

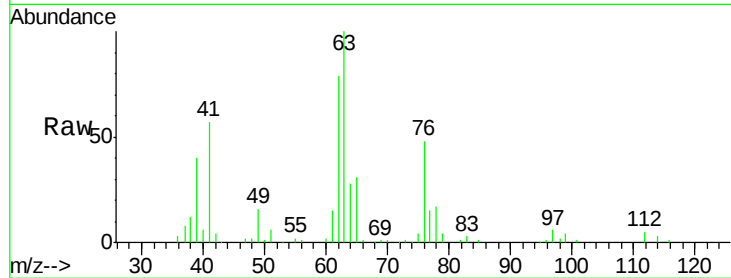
VSTDCCC050

Tot Ion: 63 Resp: 322739

Ion Ratio Lower Upper

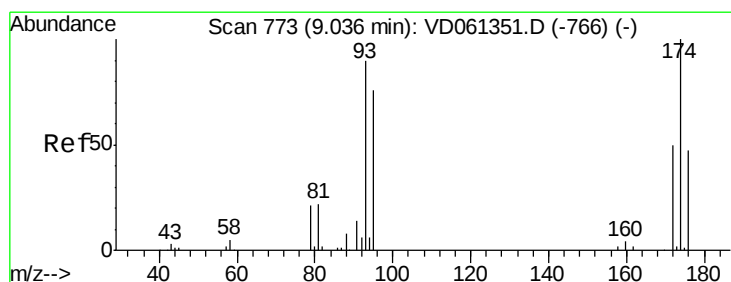
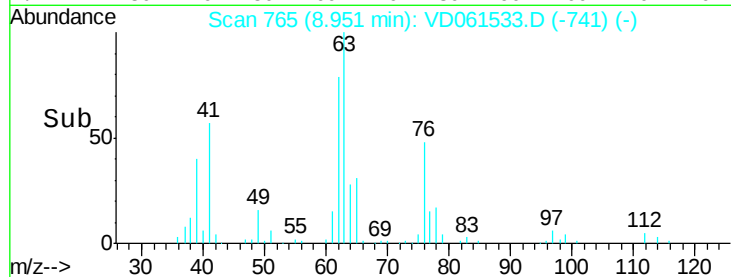
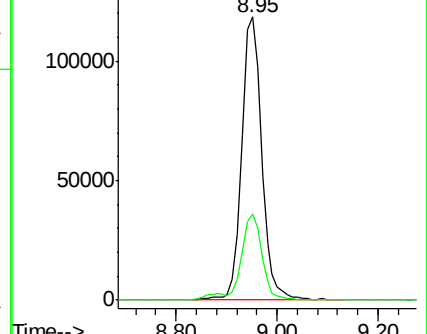
63 100

65 30.6 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.069 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

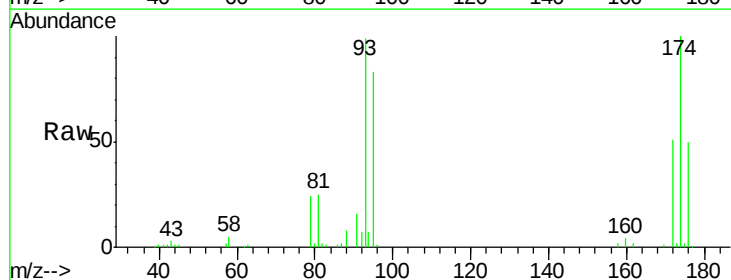
Tgt Ion: 93 Resp: 223890

Ion Ratio Lower Upper

93 100

95 83.6 67.4 101.0

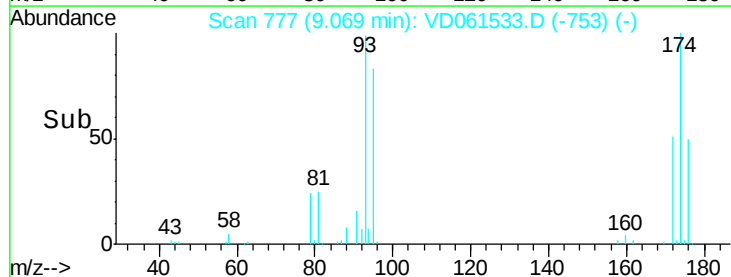
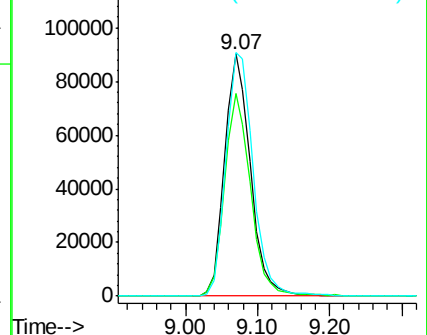
174 100.6 88.9 133.3

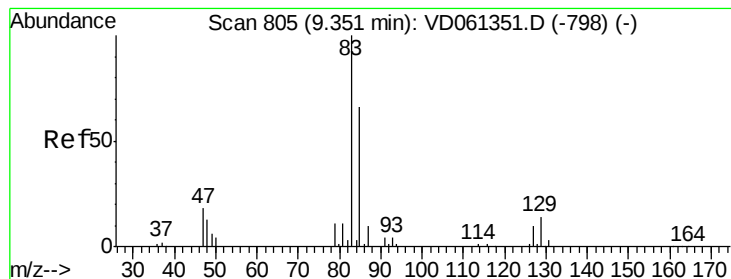


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 53.555 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

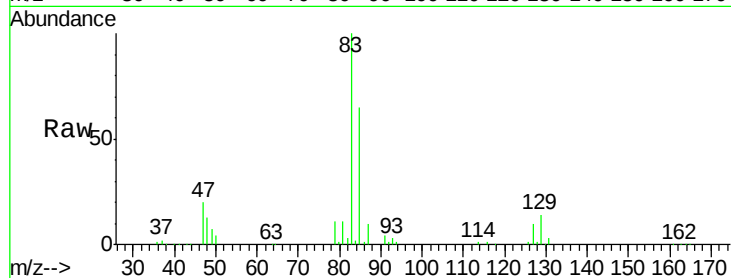
Tot Ion: 83 Resp: 507116

Ion Ratio Lower Upper

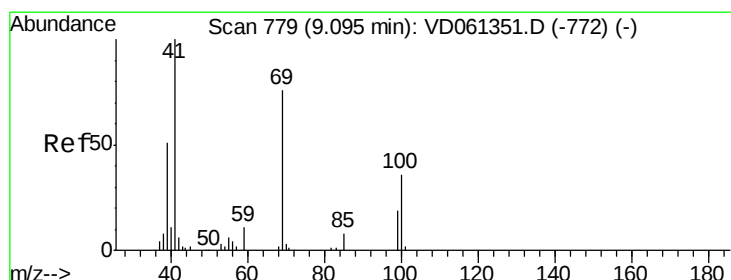
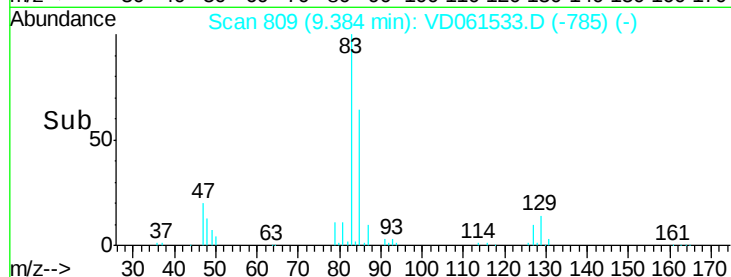
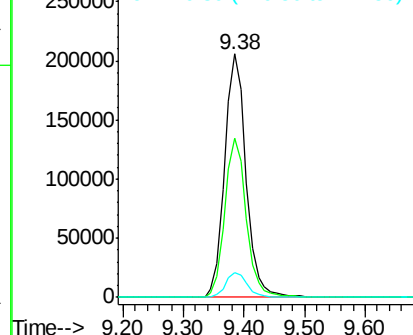
83 100

85 65.2 53.0 79.4

127 10.3 8.4 12.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 52.504 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

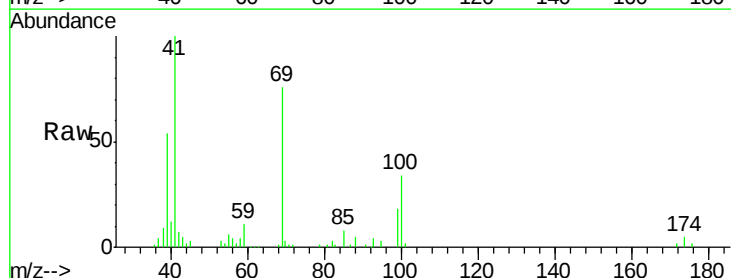
Tgt Ion: 41 Resp: 177591

Ion Ratio Lower Upper

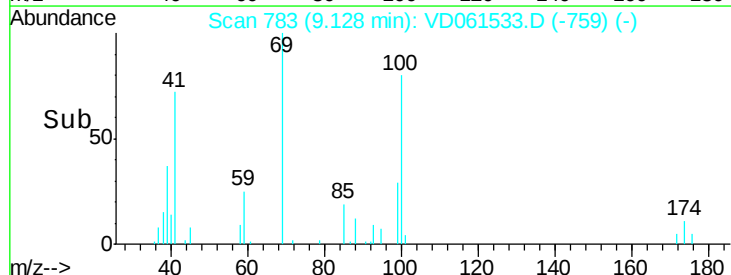
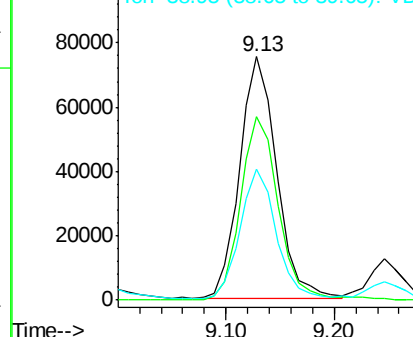
41 100

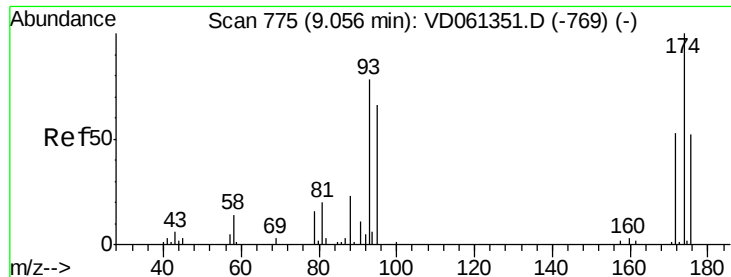
69 75.6 60.2 90.4

39 53.9 41.4 62.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

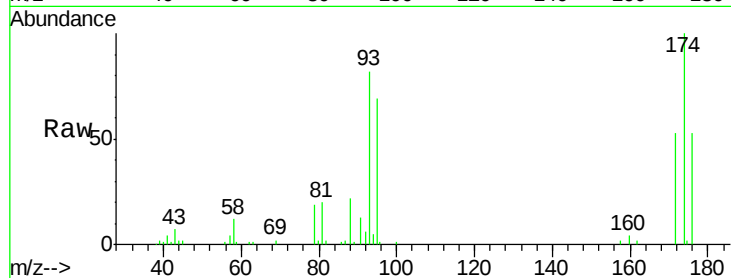




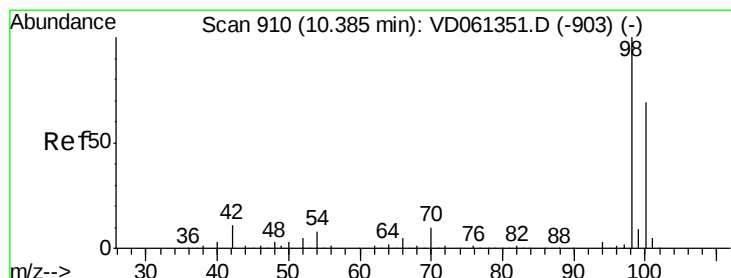
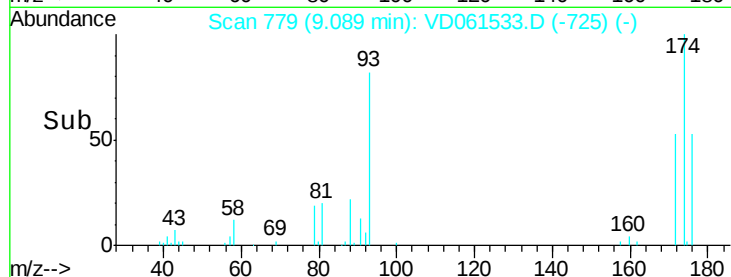
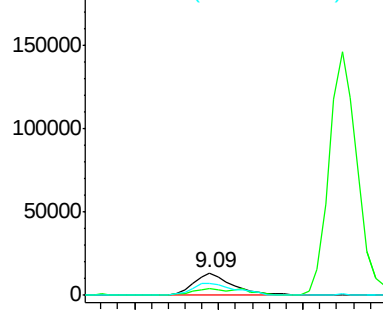
#49
1,4-Dioxane
Concen: 1128.419 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 42099
Ion Ratio Lower Upper
88 100
43 32.0 23.3 34.9
58 54.2 50.8 76.2

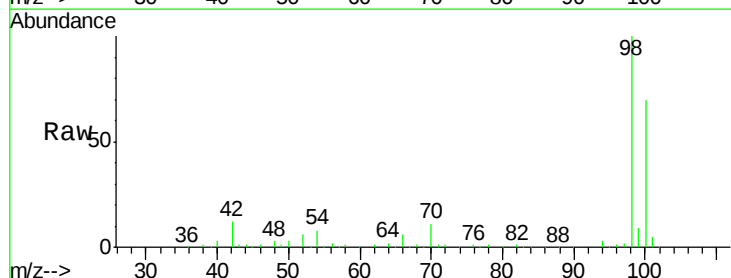


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

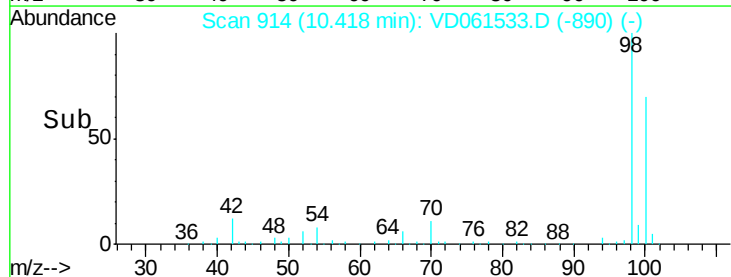
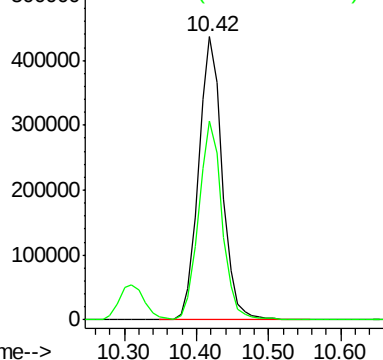


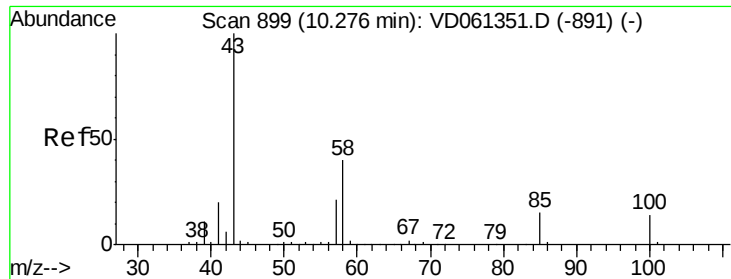
#50
Toluene-d8
Concen: 1128.419 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 98 Resp: 994746
Ion Ratio Lower Upper
98 100
100 70.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 274.961 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

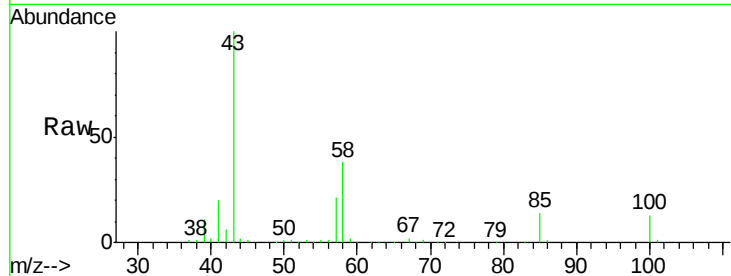
VSTDCCC050

Tot Ion: 43 Resp: 1025259

Ion Ratio Lower Upper

43 100

58 38.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

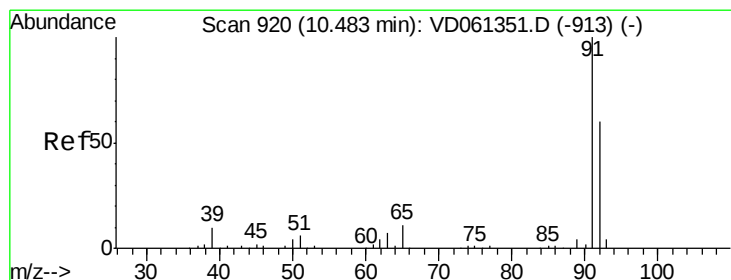
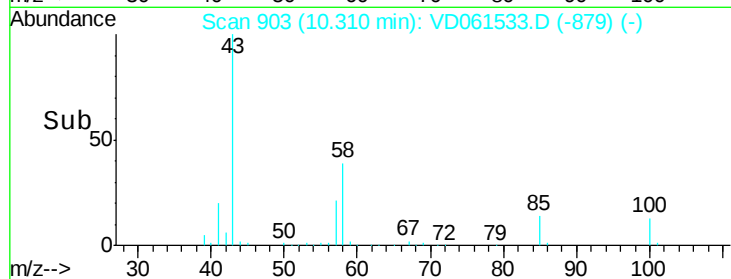
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.218 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061533.D

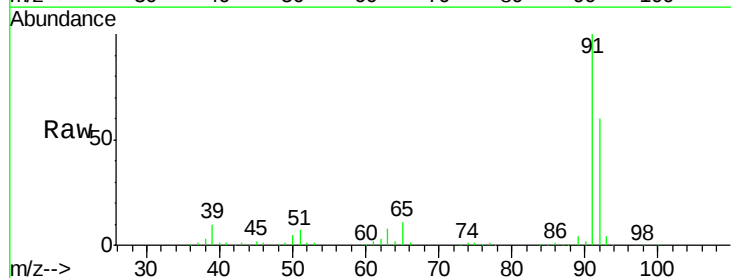
Acq: 3 Apr 2019 1:48

Tgt Ion: 92 Resp: 742226

Ion Ratio Lower Upper

92 100

91 167.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

600000

500000

400000

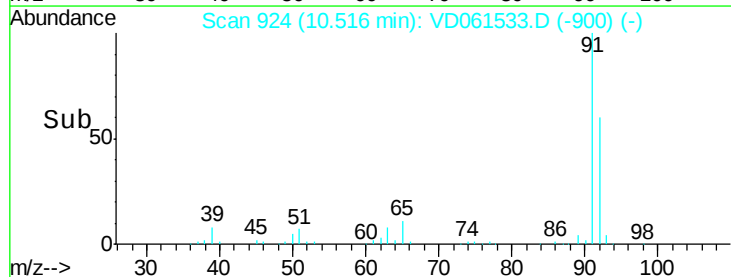
300000

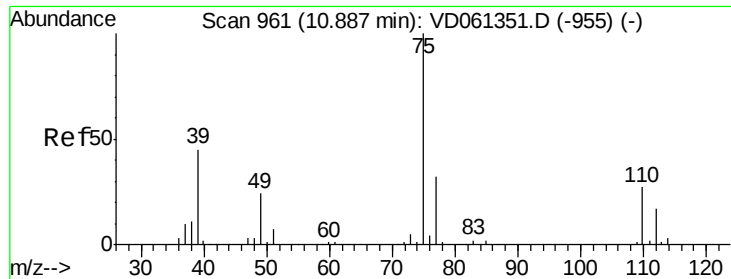
200000

100000

0

Time-->

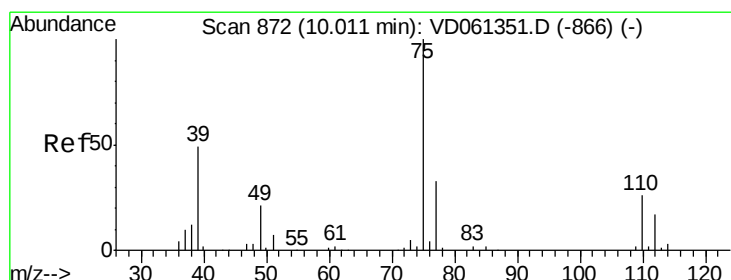
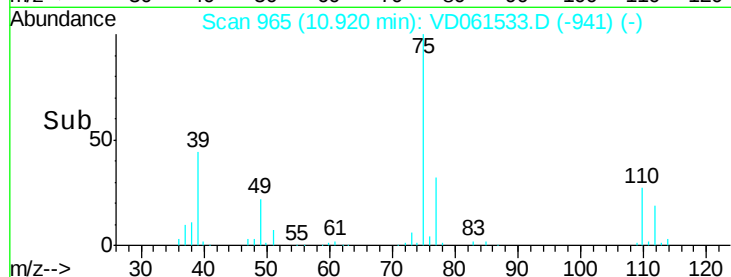
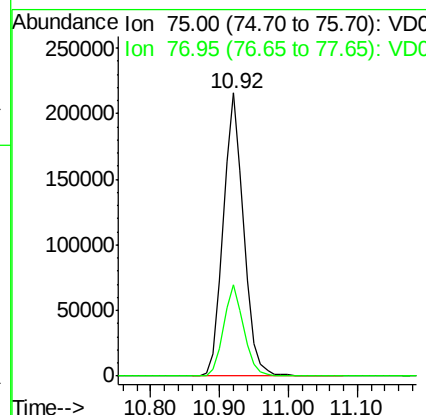
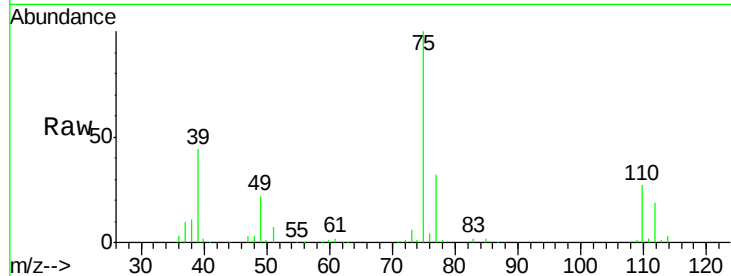




#53
 t-1,3-Dichloropropene
 Concen: 51.237 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

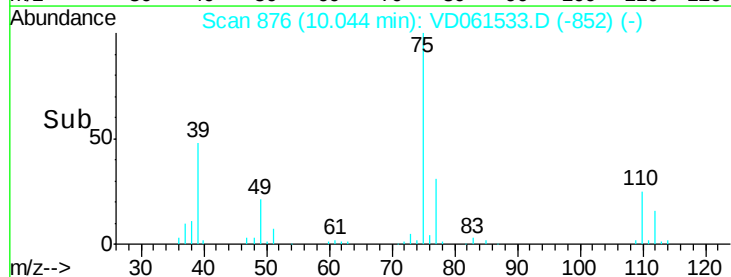
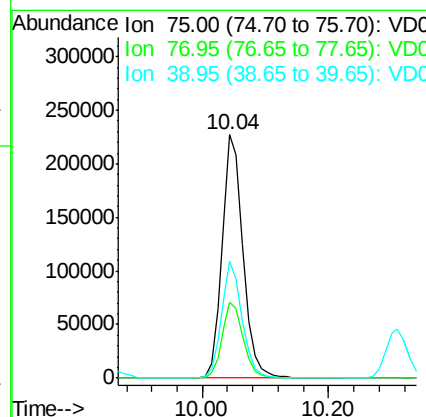
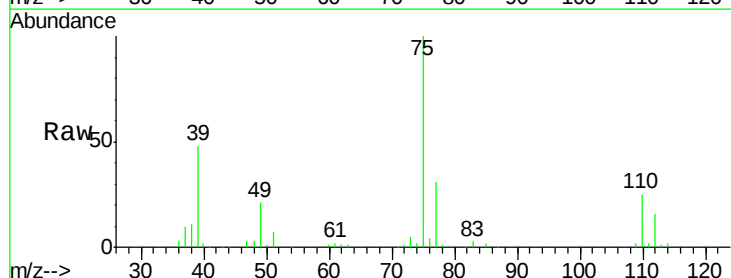
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

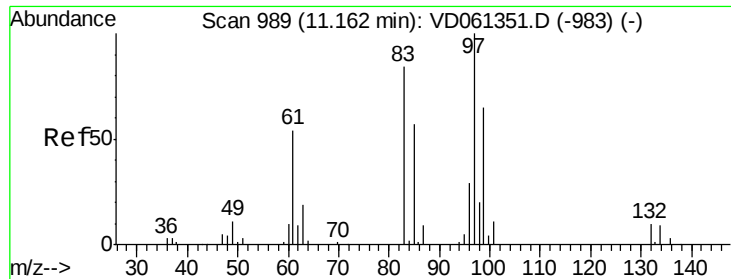
Tot Ion: 75 Resp: 440795
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 50.625 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 75 Resp: 530324
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.2 39.4
 39 48.3 39.4 59.0

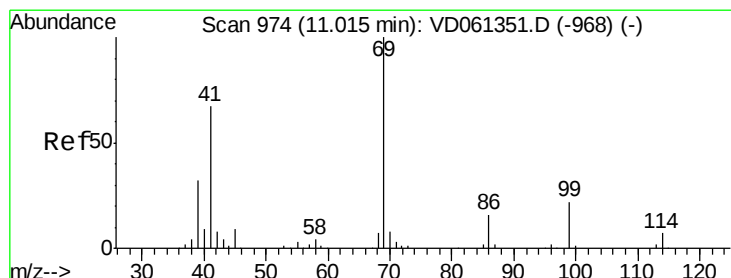
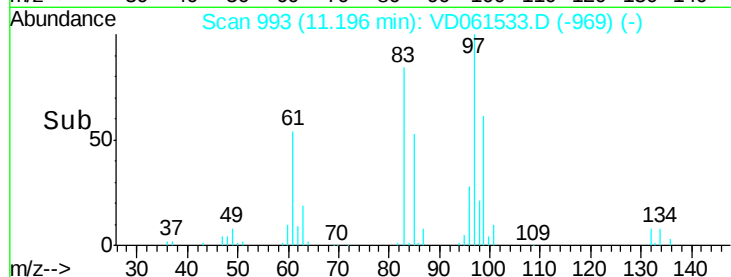
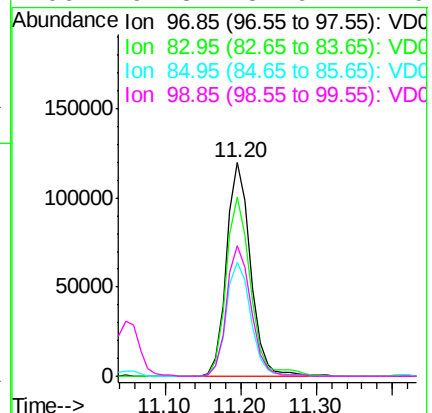
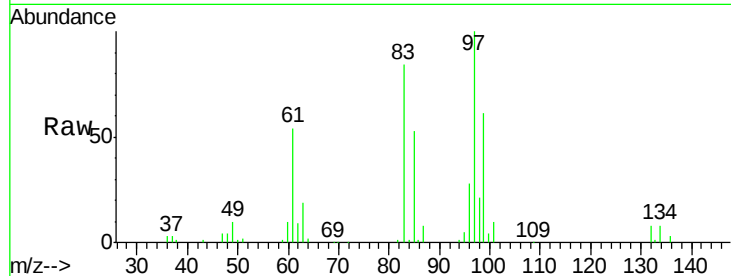




#55
 1,1,2-Trichloroethane
 Concen: 50.120 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

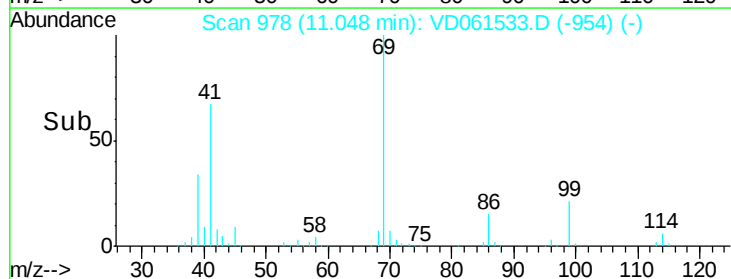
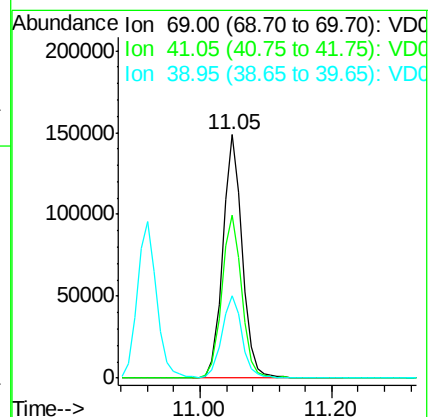
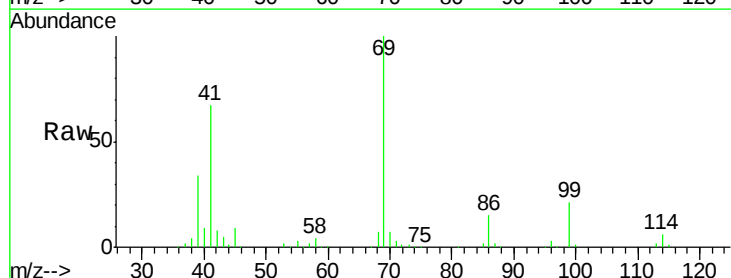
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

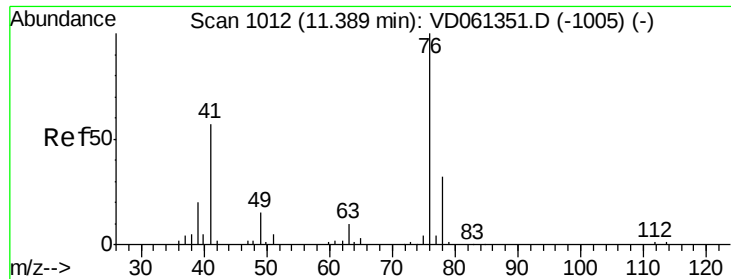
Tot Ion:	97	Resp:	264329
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.0	100.6
85	53.4	45.4	68.2
99	61.3	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 53.693 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion:	69	Resp:	304205
Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.8	80.6
39	34.1	26.4	39.6

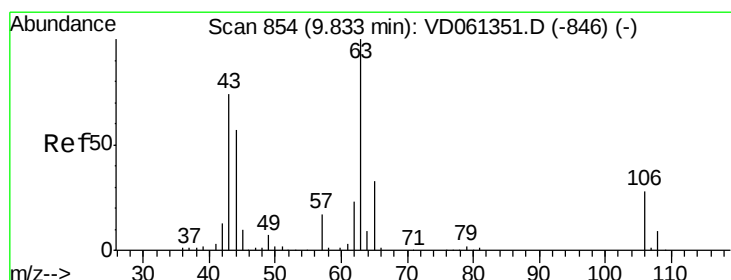
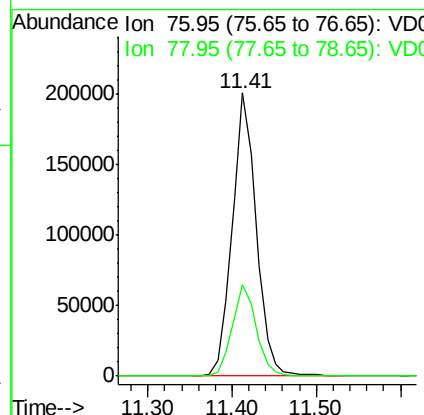
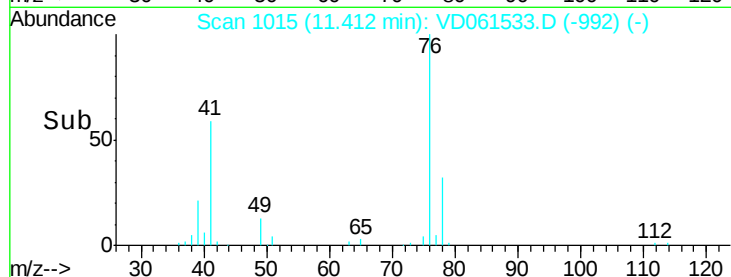
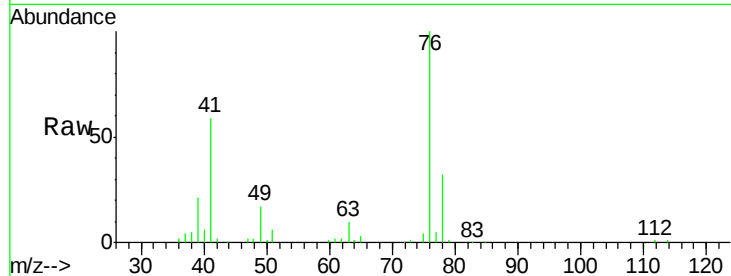




#57
 1,3-Dichloropropane
 Concen: 51.359 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

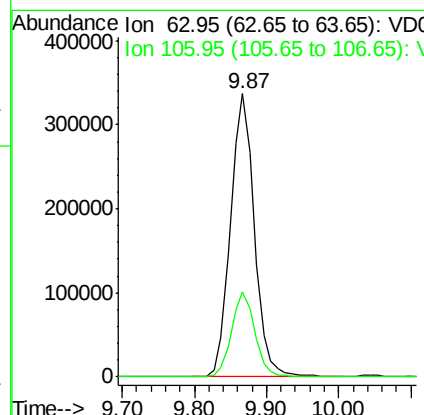
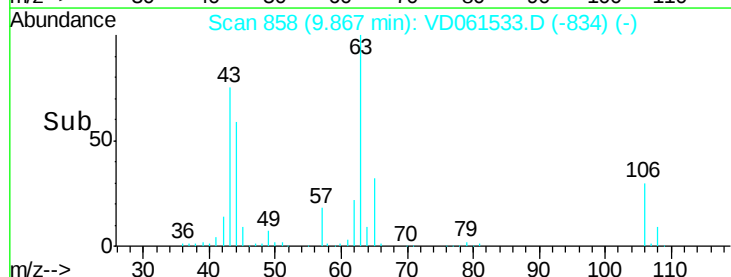
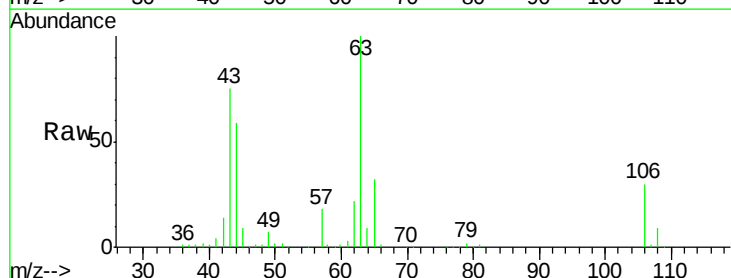
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

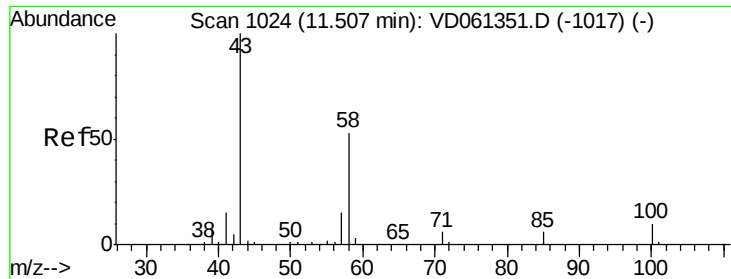
Tot Ion: 76 Resp: 398125
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.180 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 63 Resp: 775818
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.4 33.6

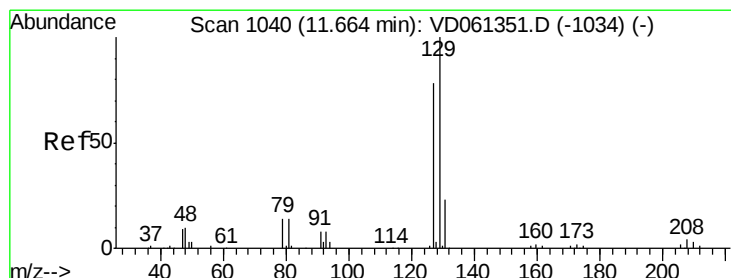
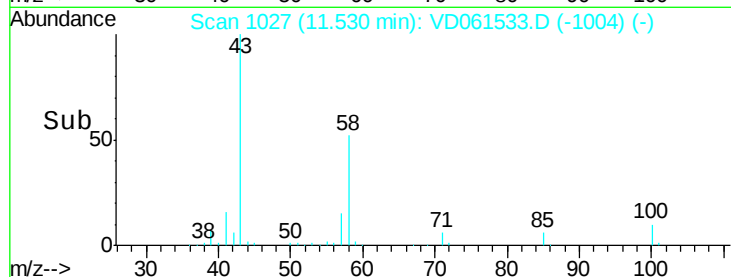
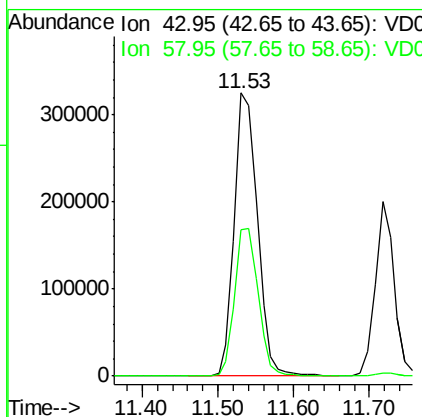
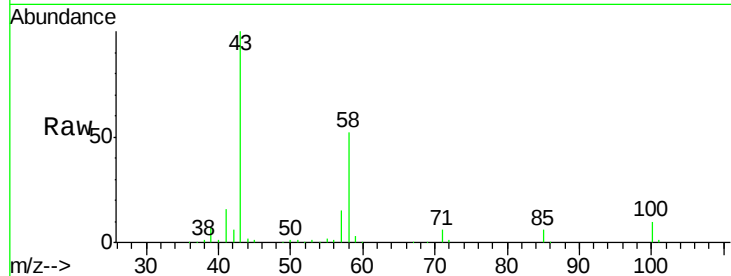




#59
2-Hexanone
Concen: 254.218 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

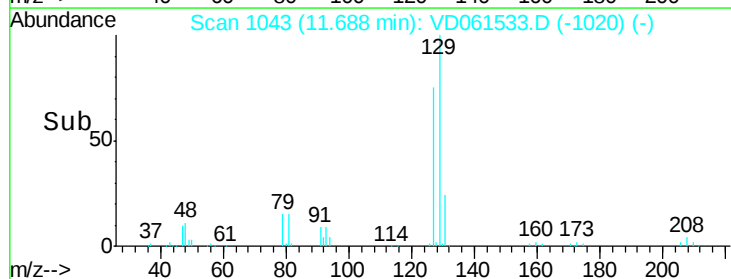
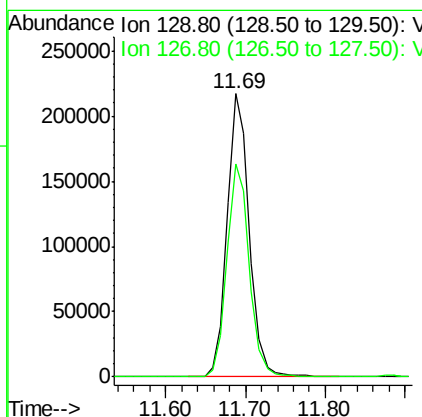
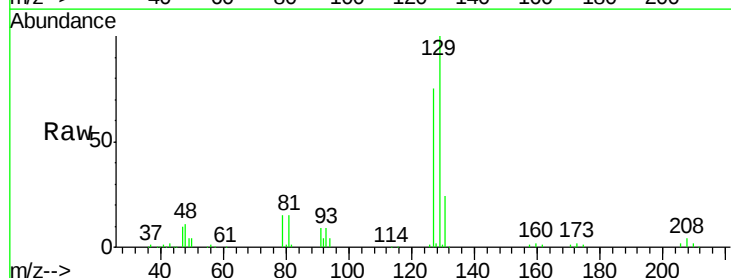
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

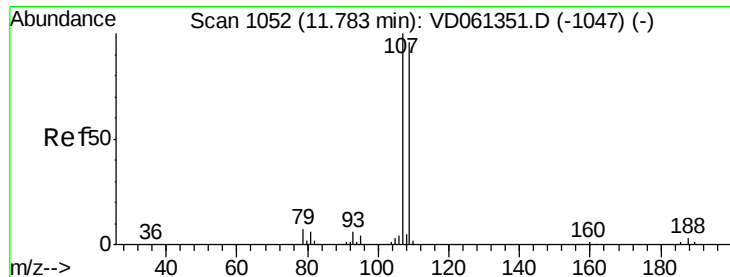
Tot Ion: 43 Resp: 686791
Ion Ratio Lower Upper
43 100
58 51.9 26.3 78.9



#60
Dibromochloromethane
Concen: 52.186 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 129 Resp: 424294
Ion Ratio Lower Upper
129 100
127 75.2 39.0 116.9

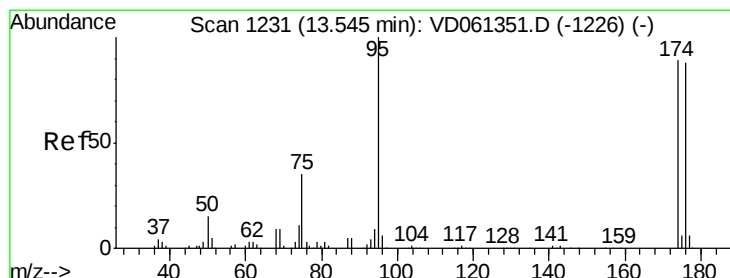
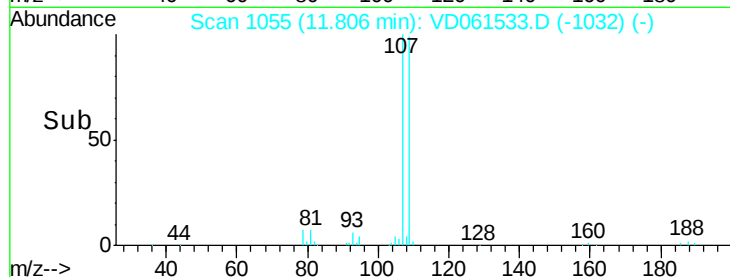
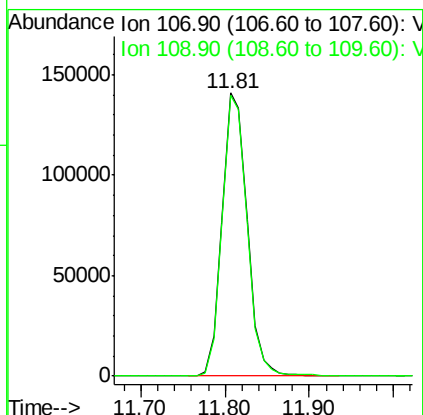
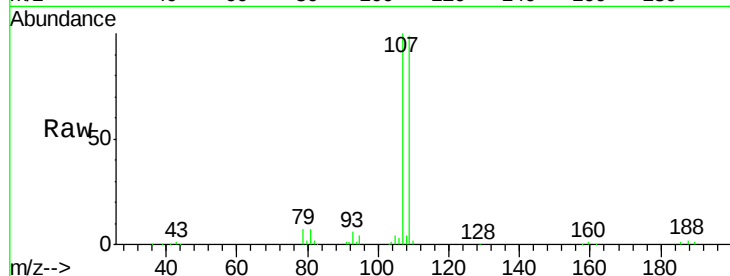




#61
 1,2-Dibromoethane
 Concen: 47.789 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

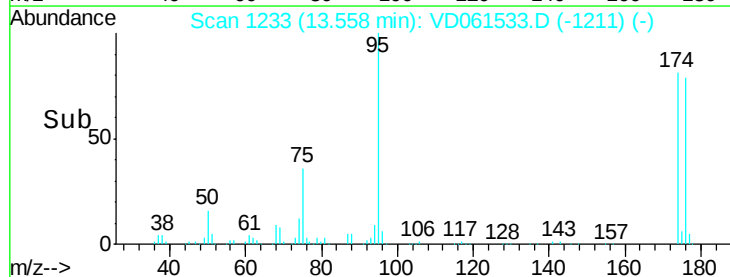
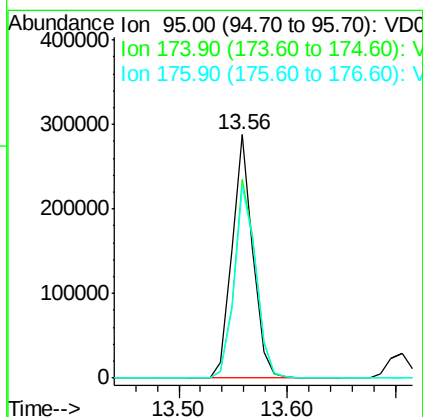
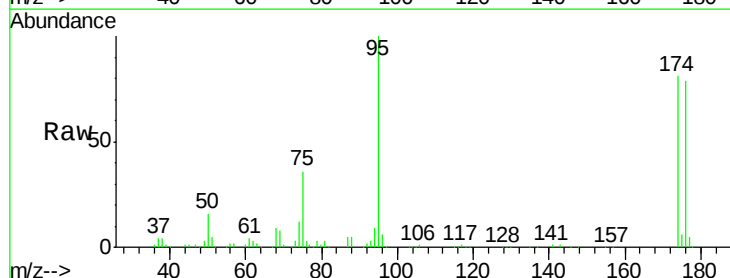
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

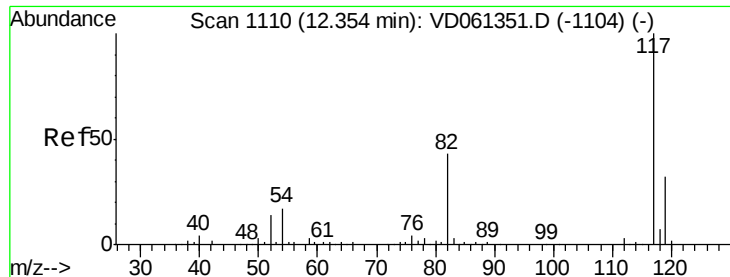
Tot Ion: 107 Resp: 291850
 Ion Ratio Lower Upper
 107 100
 109 99.0 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 47.789 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 95 Resp: 384471
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 178.0
 176 79.2 0.0 175.0

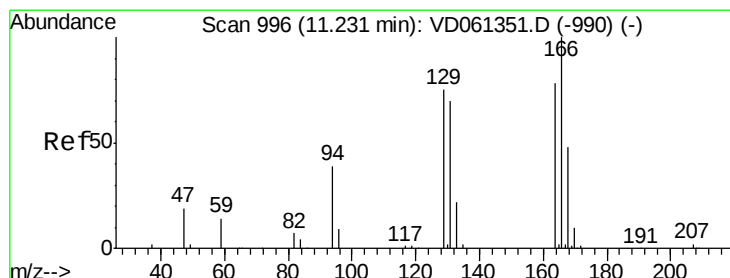
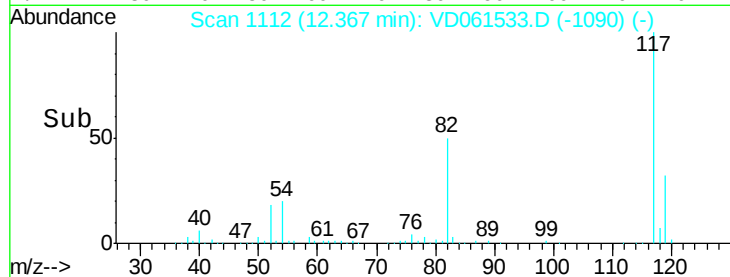
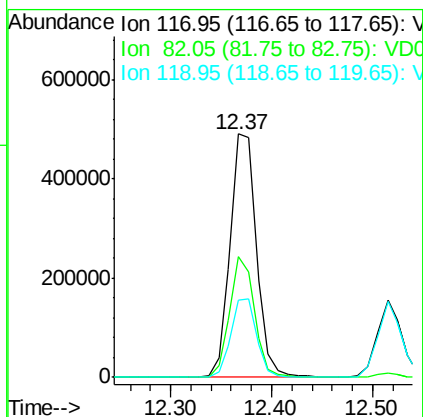
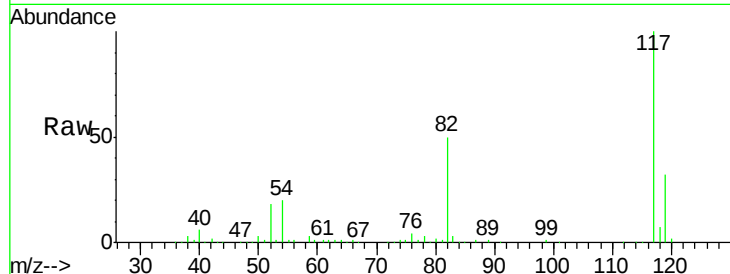




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

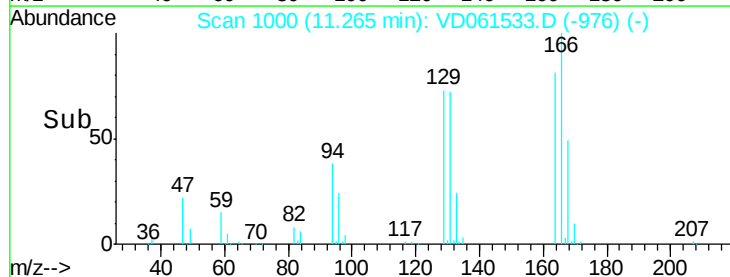
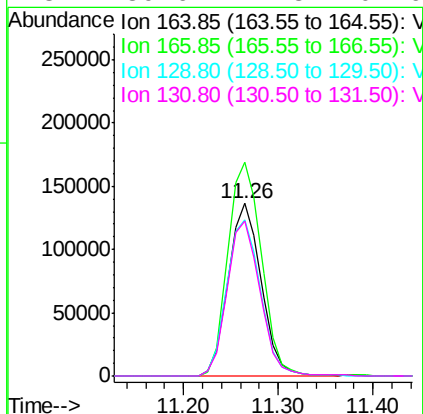
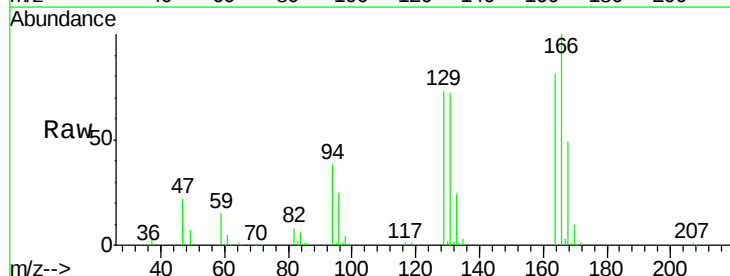
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

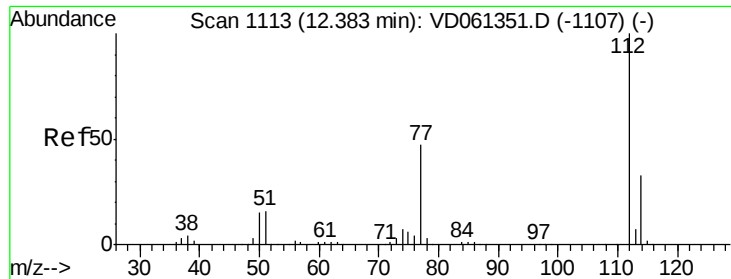
Tot Ion:117 Resp: 886451
Ion Ratio Lower Upper
117 100
82 49.8 34.4 51.6
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 47.239 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion:164 Resp: 328642
Ion Ratio Lower Upper
164 100
166 123.9 102.4 153.6
129 91.0 76.8 115.2
131 89.6 71.8 107.6

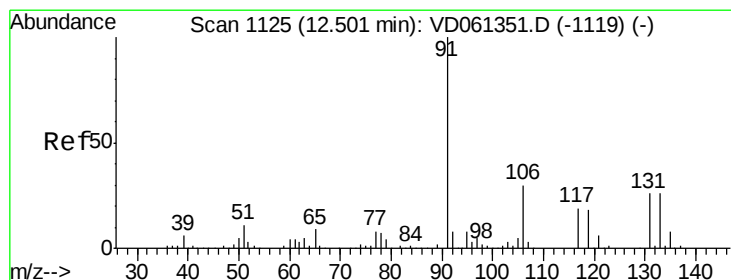
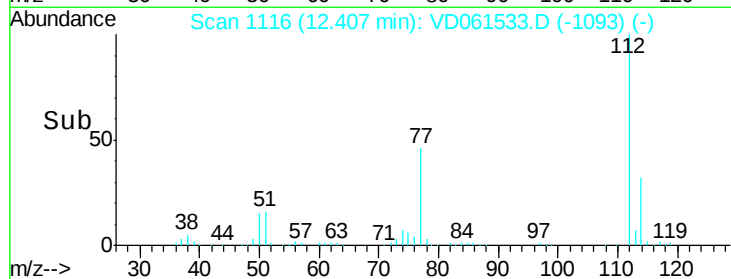
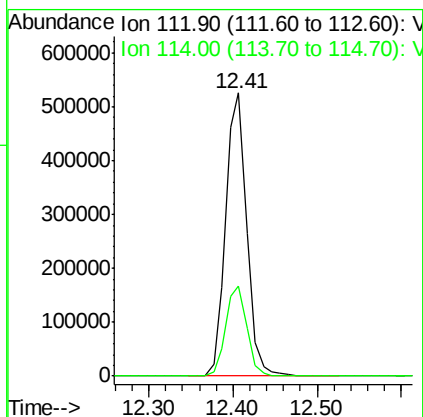
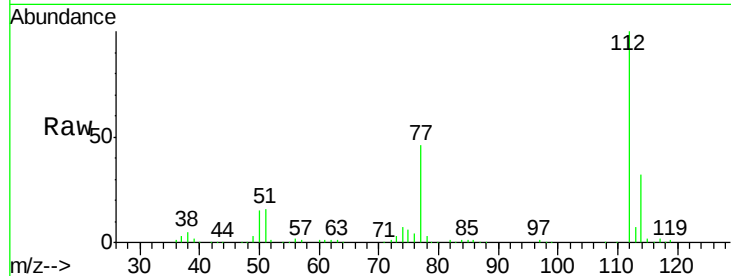




#65
Chlorobenzene
Concen: 50.155 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

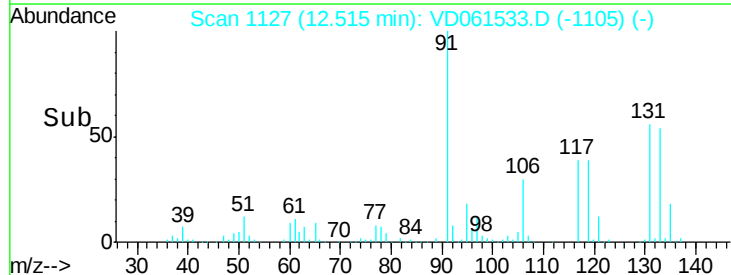
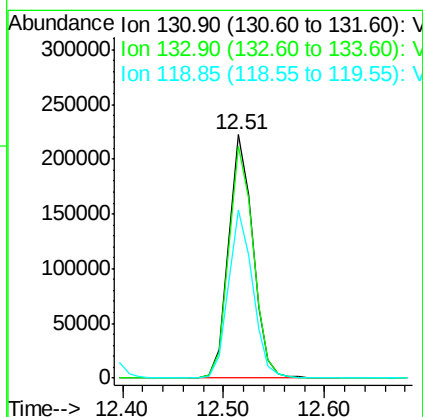
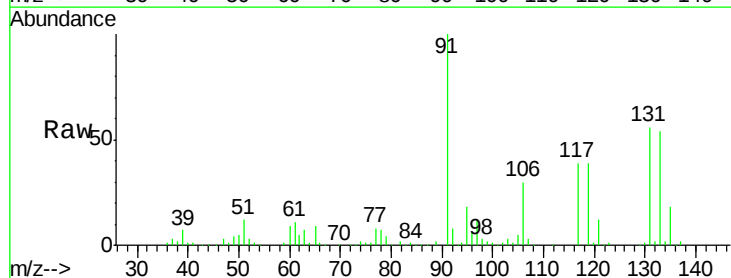
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

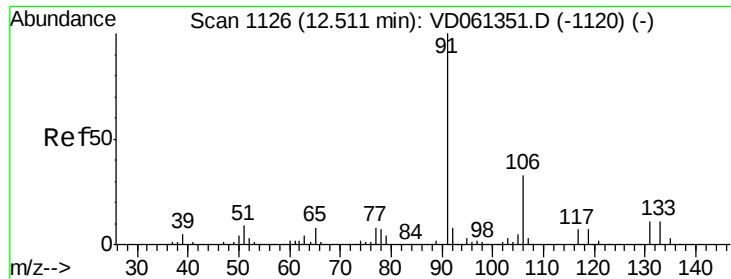
Tot Ion:112 Resp: 908614
Ion Ratio Lower Upper
112 100
114 31.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.928 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion:131 Resp: 371253
Ion Ratio Lower Upper
131 100
133 95.5 49.4 148.2
119 69.0 34.1 102.2

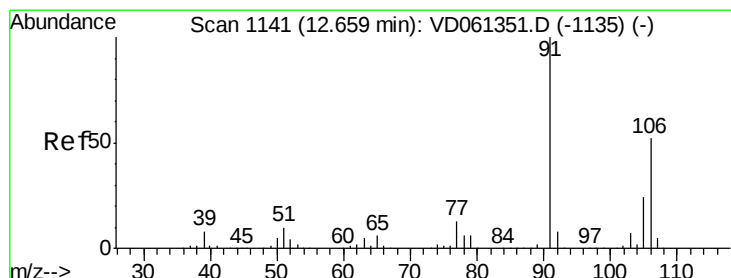
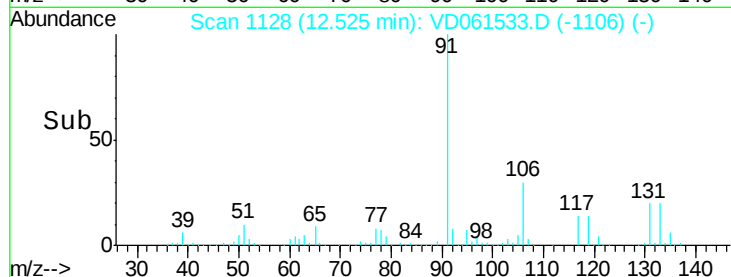
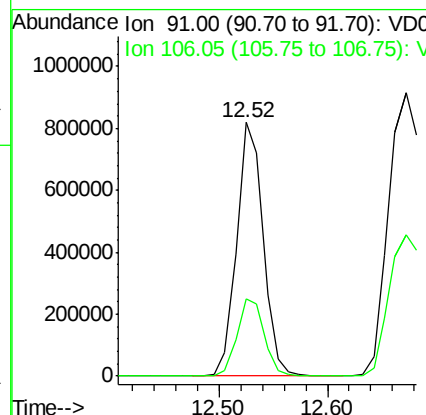
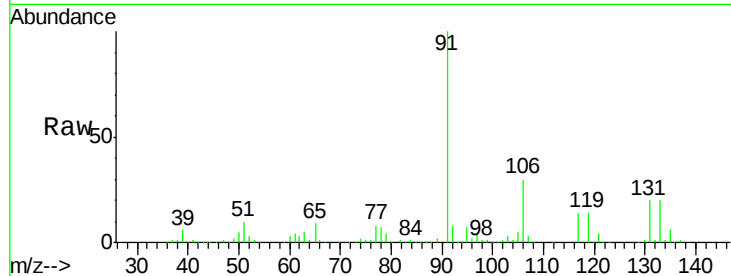




#67
Ethyl Benzene
Concen: 50.480 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

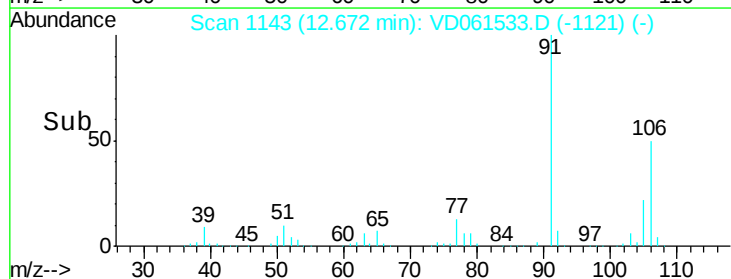
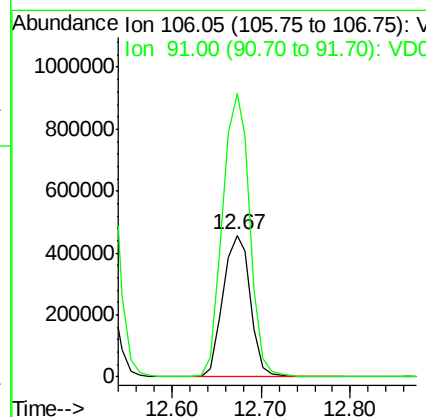
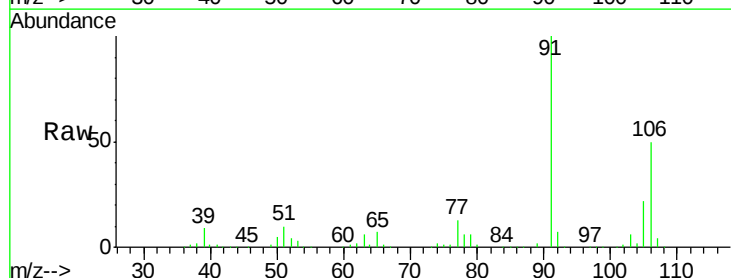
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

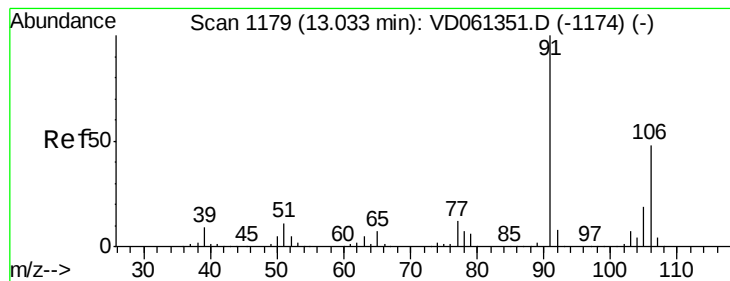
Tot Ion: 91 Resp: 1395864
Ion Ratio Lower Upper
91 100
106 30.4 26.1 39.1



#68
m/p-Xylenes
Concen: 94.403 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 106 Resp: 988840
Ion Ratio Lower Upper
106 100
91 200.2 153.1 229.7





#69

o-Xylene

Concen: 50.443 ug/l

RT: 13.06 min Scan# 1182

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleID :

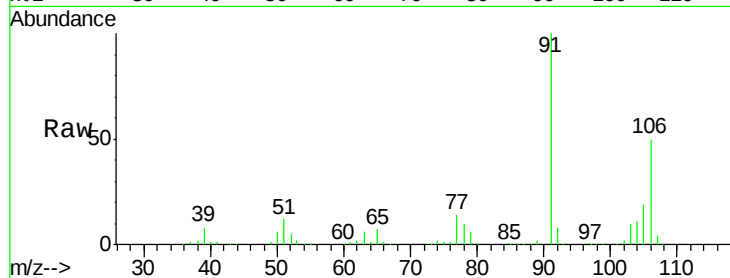
VSTDCCC050

Tot Ion:106 Resp: 512745

Ion Ratio Lower Upper

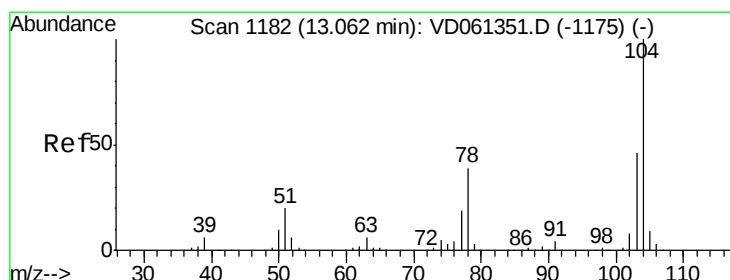
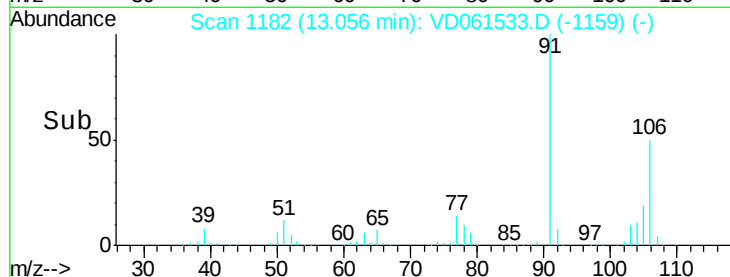
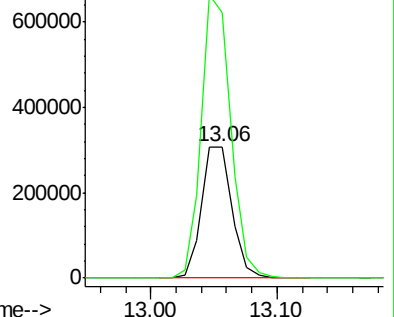
106 100

91 202.0 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 47.465 ug/l

RT: 13.08 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

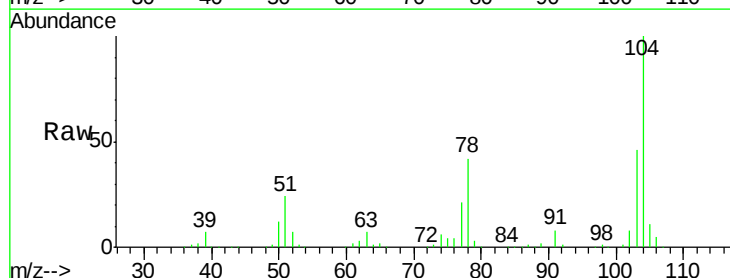
Tgt Ion:104 Resp: 841046

Ion Ratio Lower Upper

104 100

78 42.2 31.0 46.6

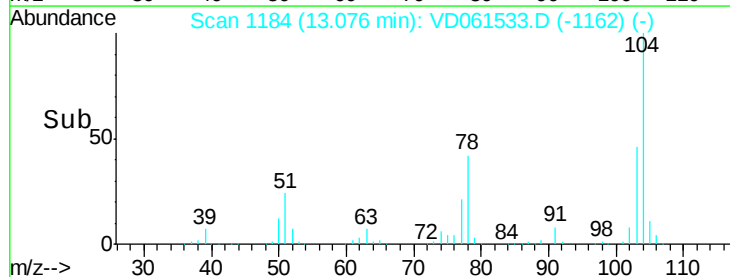
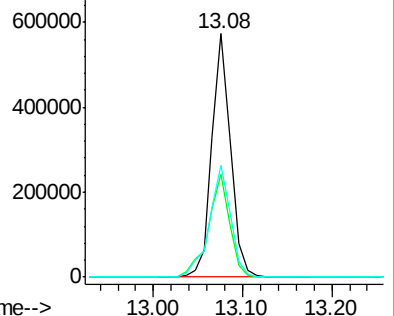
103 45.7 37.0 55.4

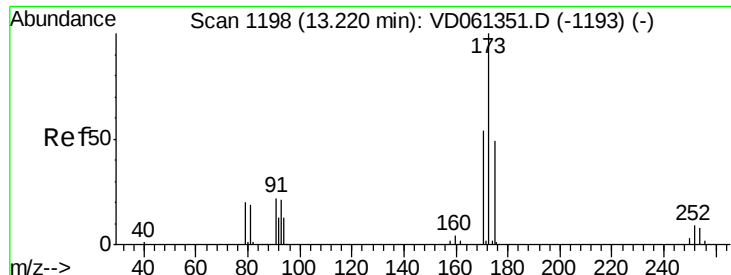


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

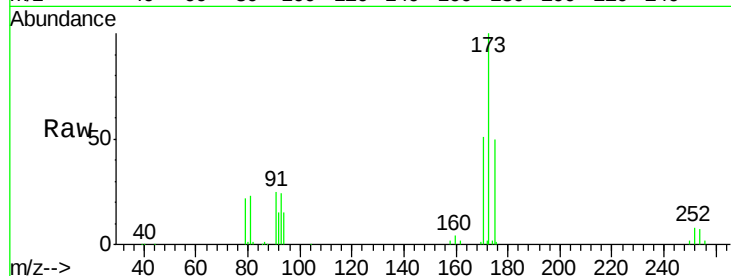




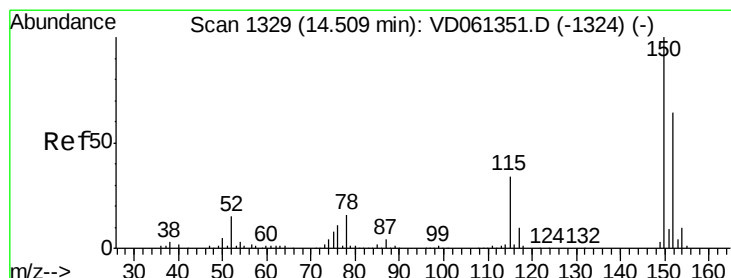
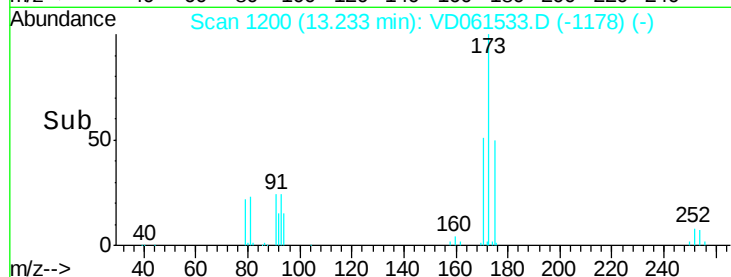
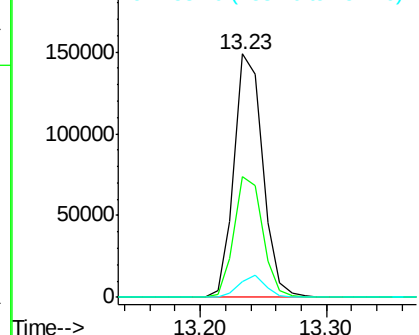
#71
Bromoform
Concen: 52.375 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 232885
Ion Ratio Lower Upper
173 100
175 49.5 24.6 73.8
254 6.7 6.6 10.0

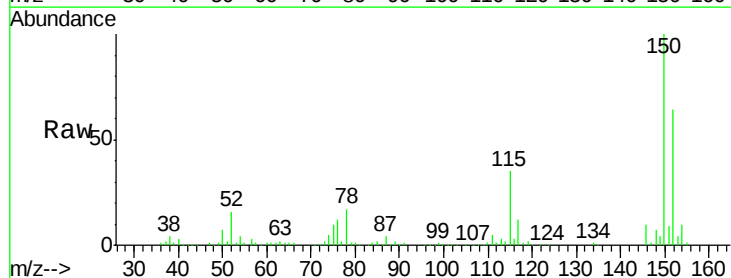


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

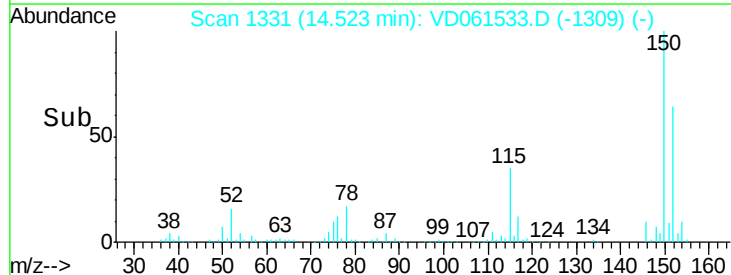
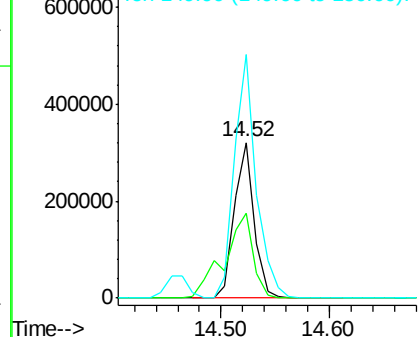


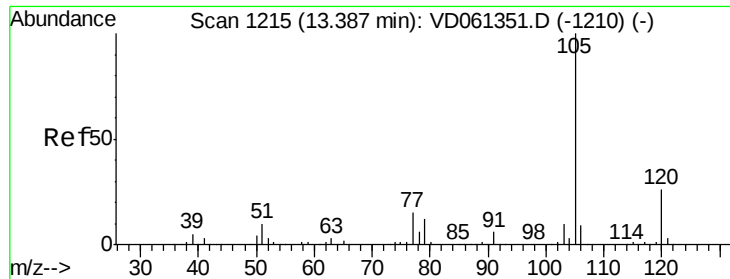
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion:152 Resp: 409118
Ion Ratio Lower Upper
152 100
115 54.3 26.9 80.6
150 156.5 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.565 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

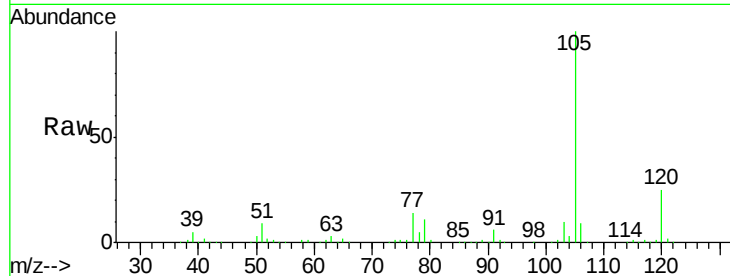
VSTDCCC050

Tot Ion:105 Resp: 1268950

Ion Ratio Lower Upper

105 100

120 24.8 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

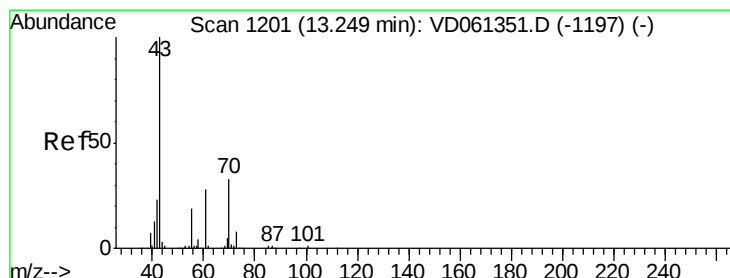
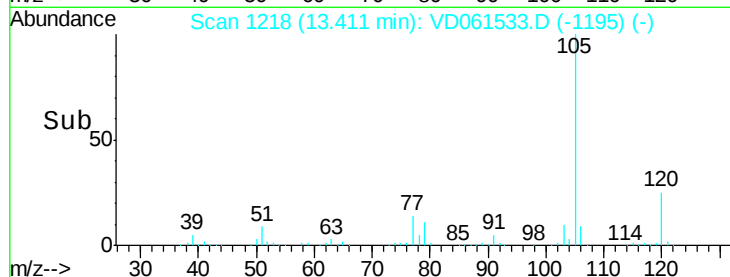
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 51.097 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion: 43 Resp: 405302

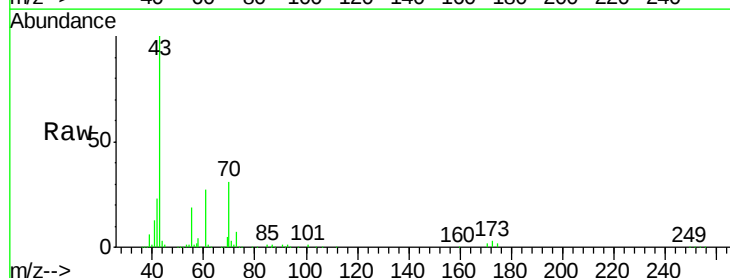
Ion Ratio Lower Upper

43 100

70 30.7 26.6 40.0

55 19.3 15.4 23.2

61 26.9 22.2 33.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

400000

300000

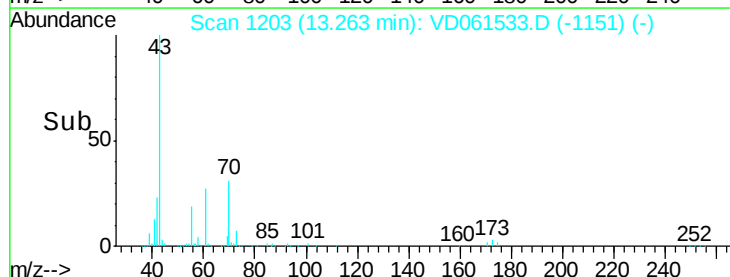
200000

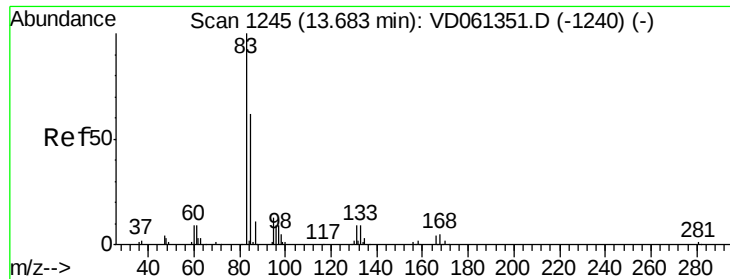
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.140 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

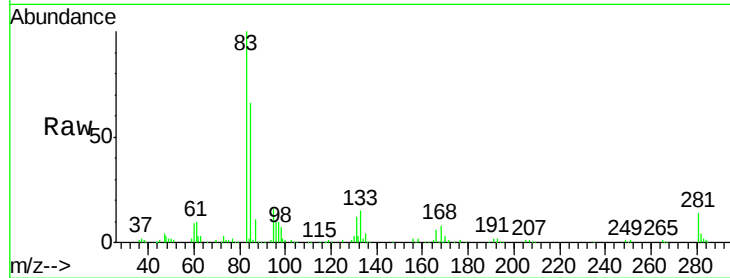
Tot Ion: 83 Resp: 295167

Ion Ratio Lower Upper

83 100

131 11.8 4.3 13.1

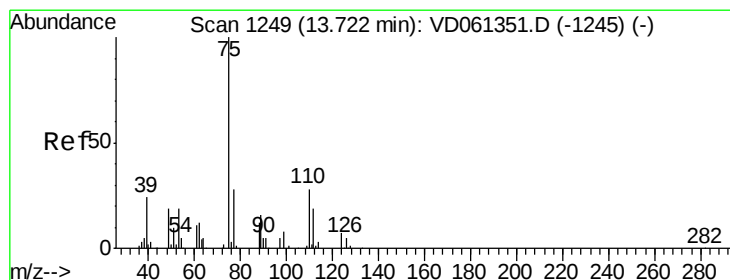
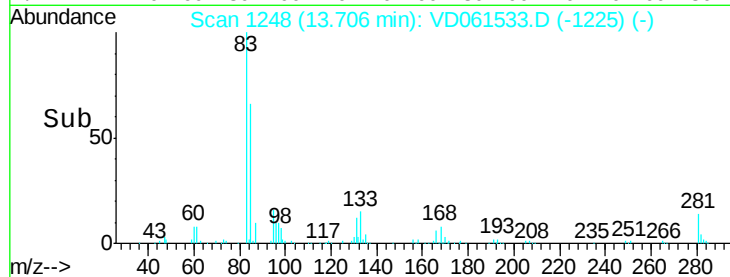
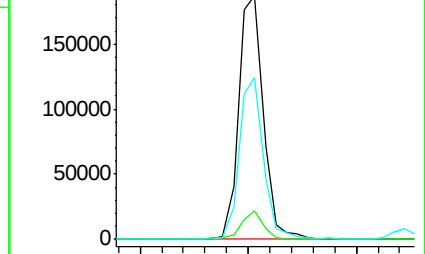
85 66.3 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.240 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061533.D

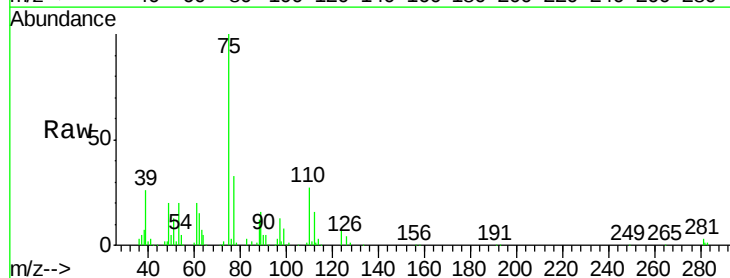
Acq: 3 Apr 2019 1:48

Tgt Ion: 75 Resp: 291000

Ion Ratio Lower Upper

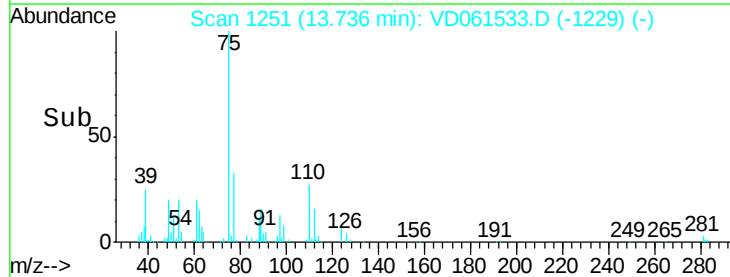
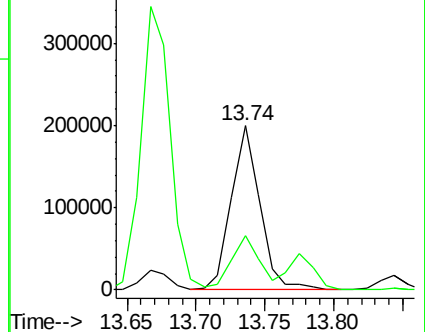
75 100

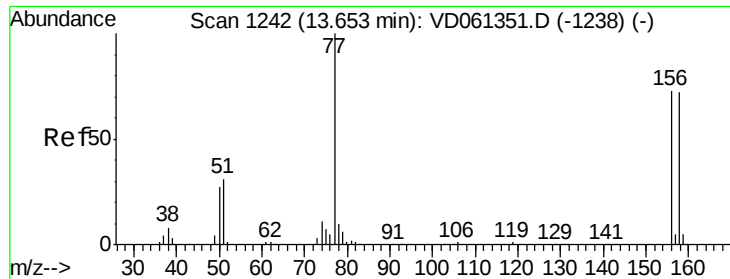
77 33.3 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.493 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

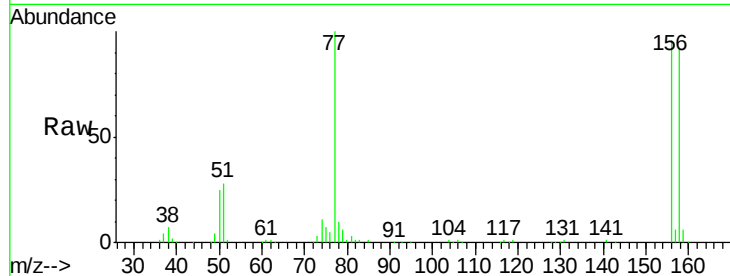
Tot Ion:156 Resp: 417795

Ion Ratio Lower Upper

156 100

77 104.3 68.5 205.6

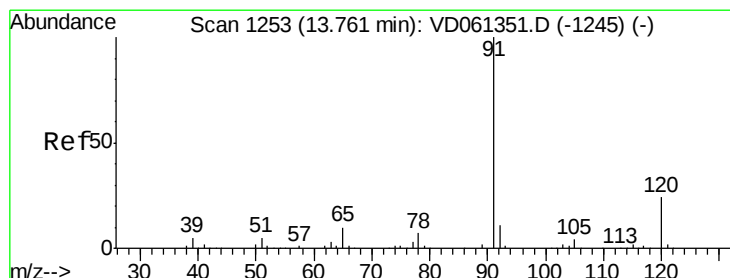
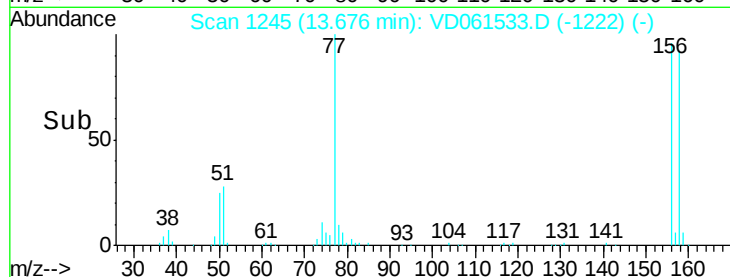
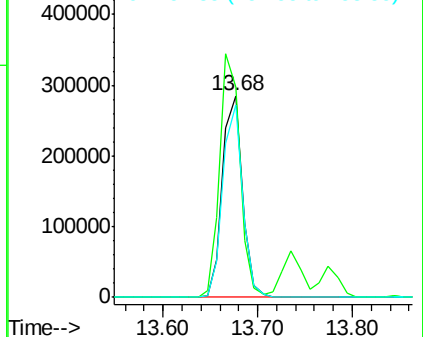
158 95.5 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.432 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061533.D

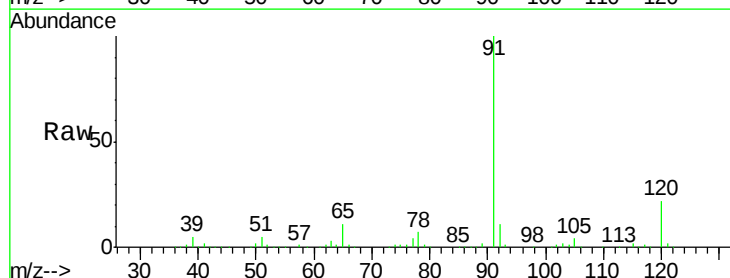
Acq: 3 Apr 2019 1:48

Tgt Ion: 91 Resp: 1617958

Ion Ratio Lower Upper

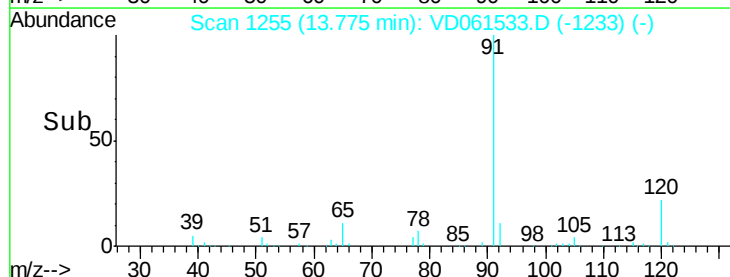
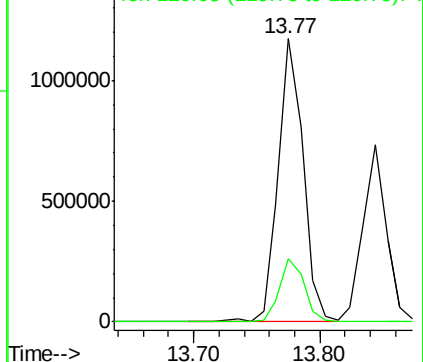
91 100

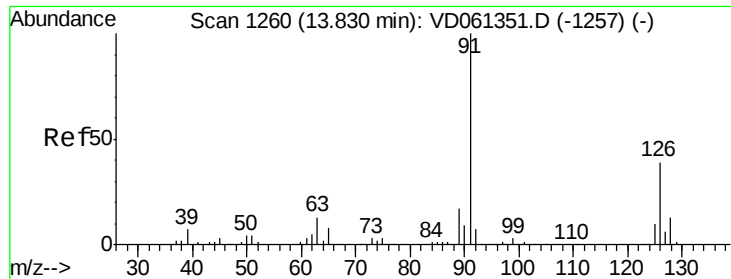
120 22.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

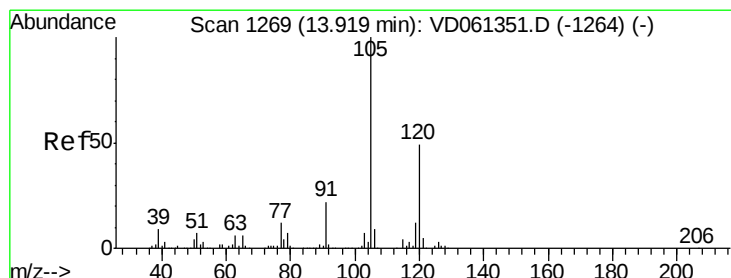
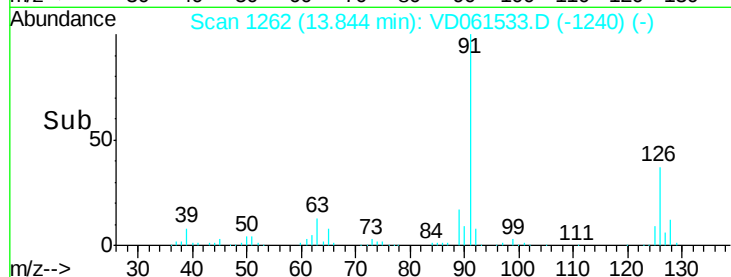
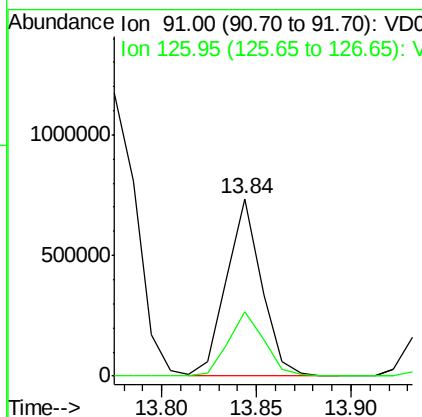
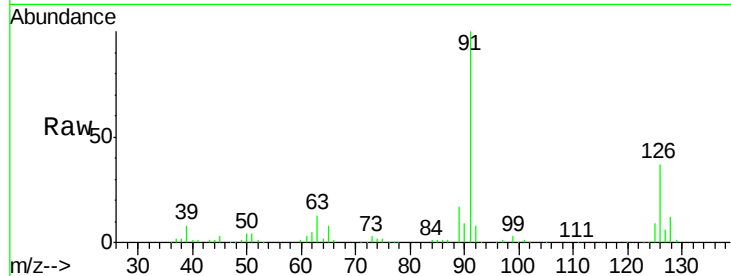




#79
2-Chlorotoluene
Concen: 49.354 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

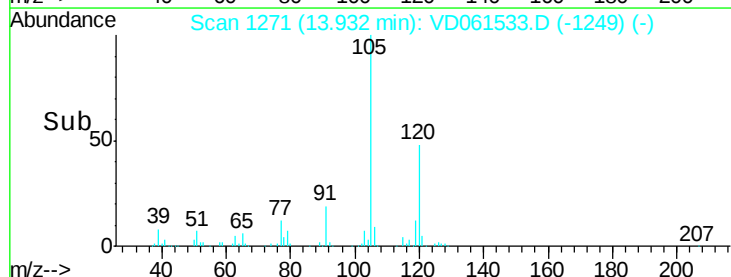
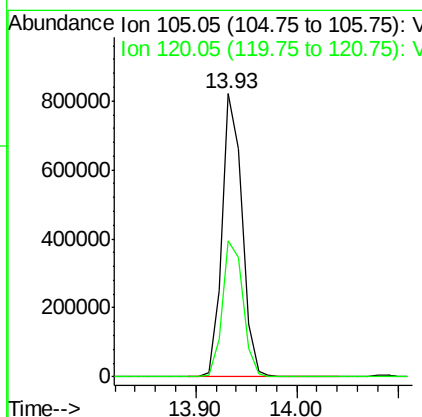
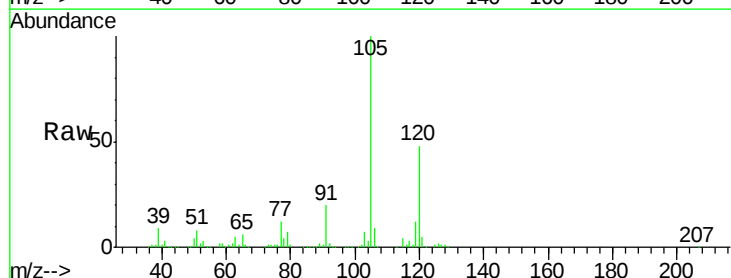
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

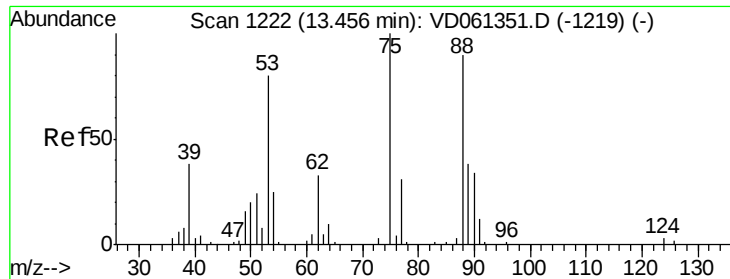
Tot Ion: 91 Resp: 933798
Ion Ratio Lower Upper
91 100
126 36.7 19.4 58.2



#80
1,3,5-Trimethylbenzene
Concen: 51.437 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion:105 Resp: 1136393
Ion Ratio Lower Upper
105 100
120 48.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.877 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

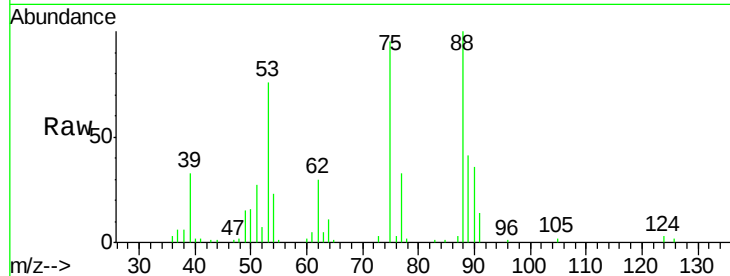
Tot Ion: 75 Resp: 84468

Ion Ratio Lower Upper

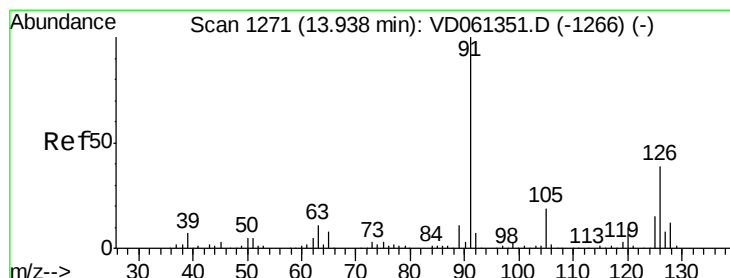
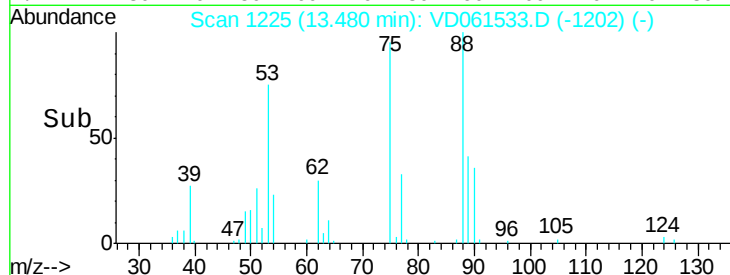
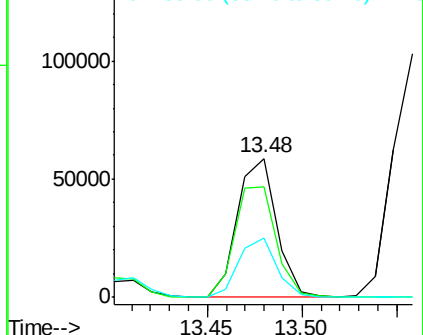
75 100

53 79.6 63.8 95.8

89 43.0 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 50.984 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061533.D

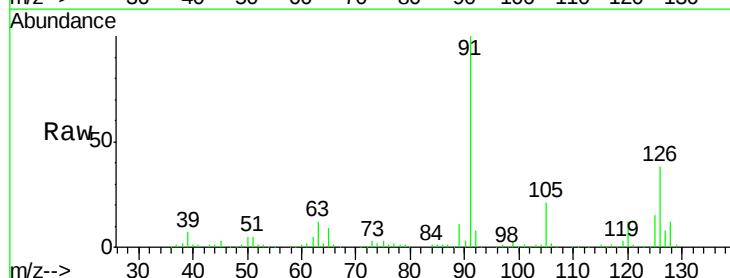
Acq: 3 Apr 2019 1:48

Tgt Ion: 91 Resp: 1048885

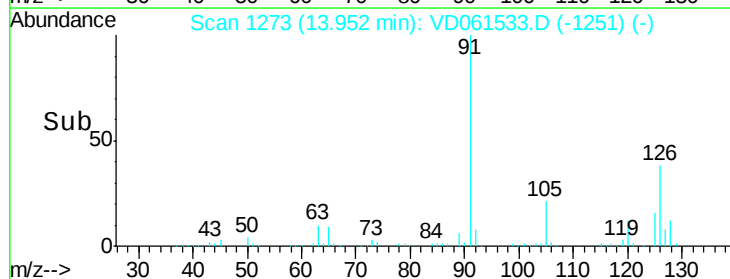
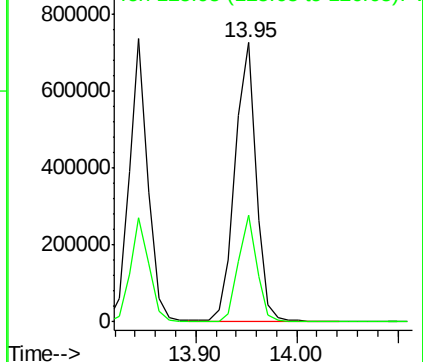
Ion Ratio Lower Upper

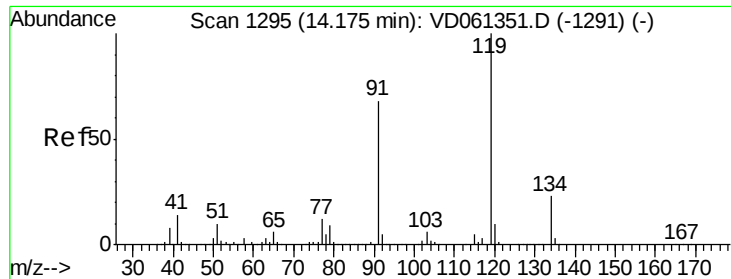
91 100

126 38.3 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

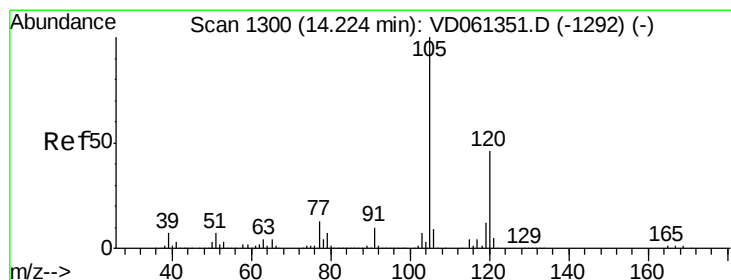
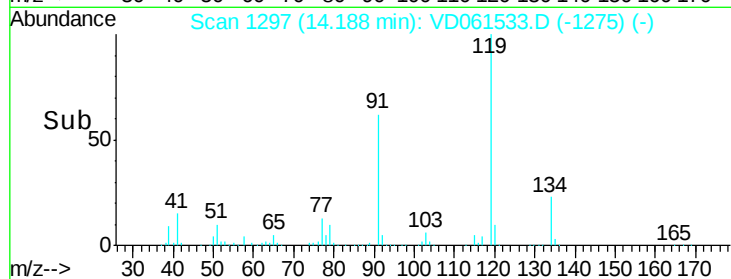
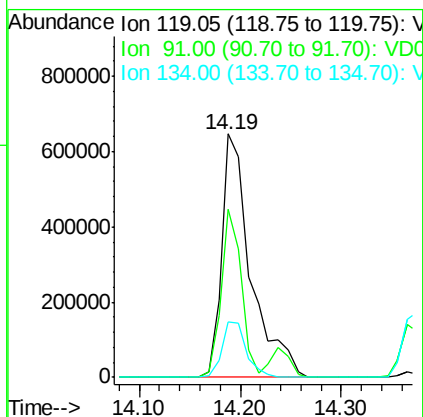
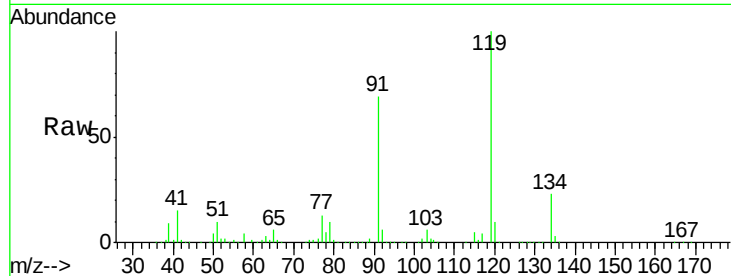




#83
tert-Butylbenzene
Concen: 47.245 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

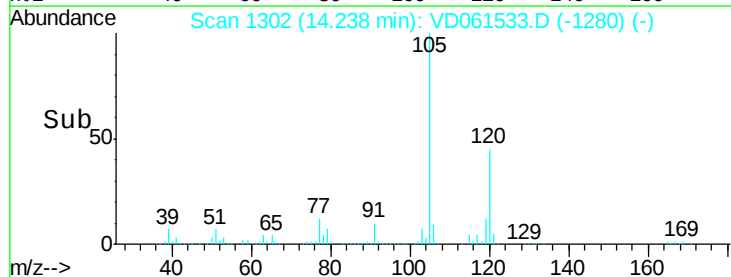
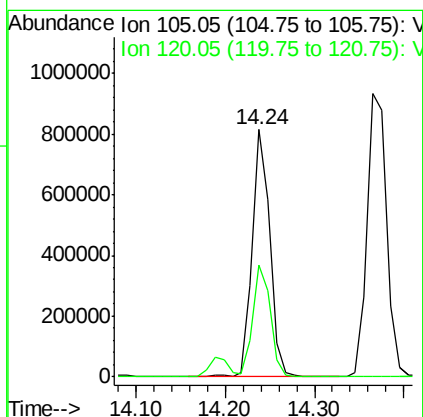
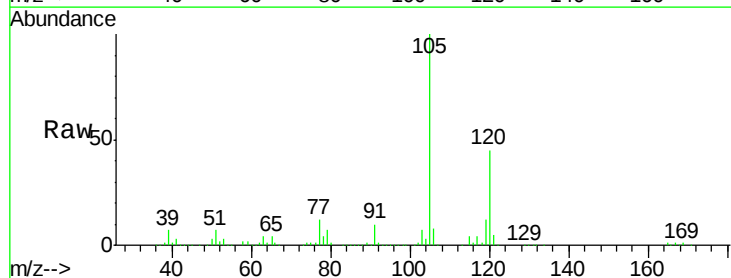
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

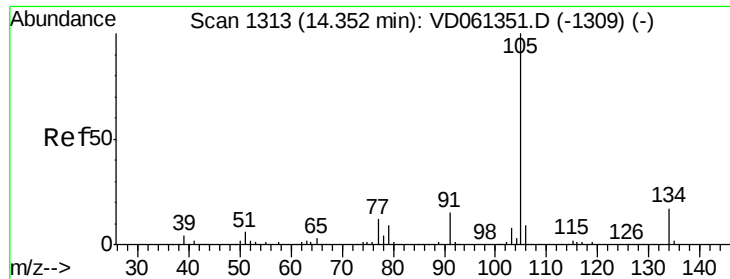
Tot Ion:119 Resp: 1304428
Ion Ratio Lower Upper
119 100
91 69.1 34.1 102.3
134 22.7 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 45.842 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion:105 Resp: 1096463
Ion Ratio Lower Upper
105 100
120 45.1 22.8 68.4

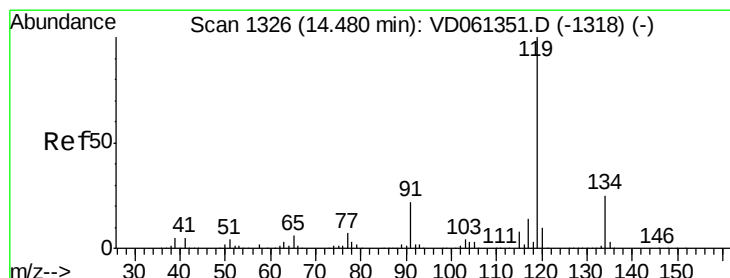
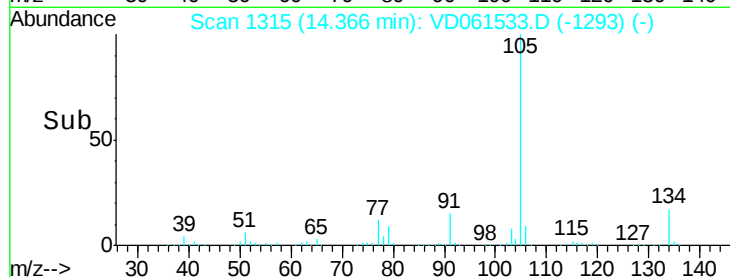
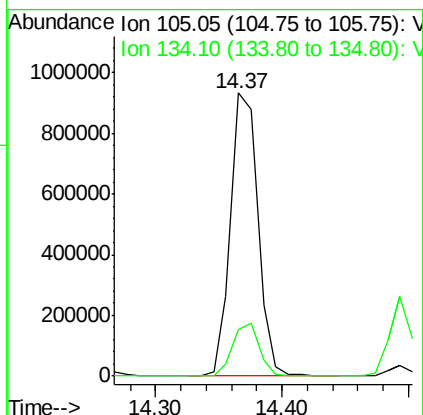
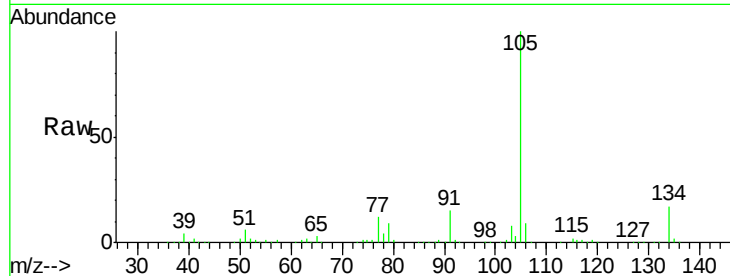




#85
 sec-Butylbenzene
 Concen: 47.553 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

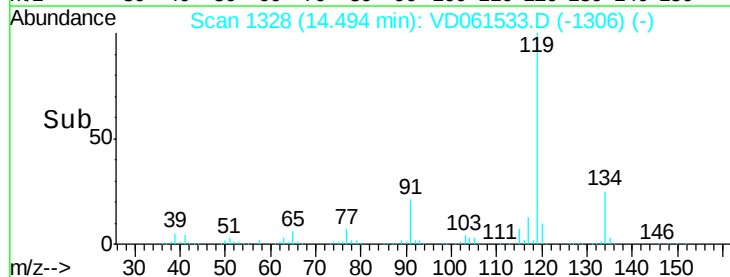
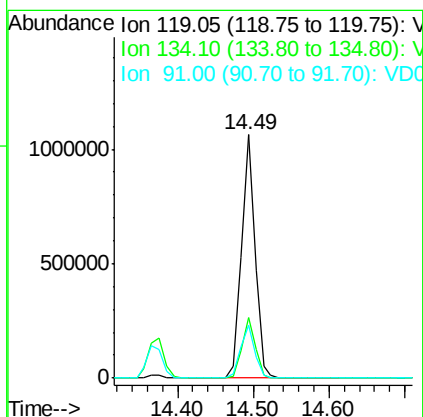
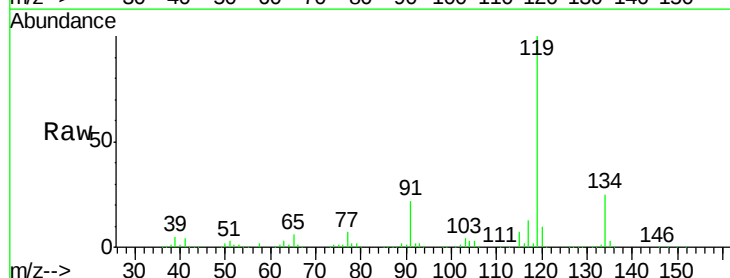
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

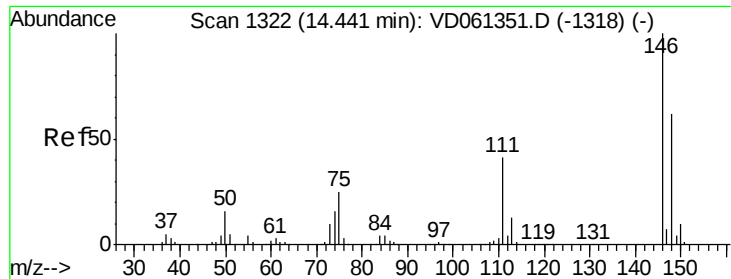
Tot Ion:105 Resp: 1394771
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 52.046 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion:119 Resp: 1290851
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.3 36.8
 91 21.6 11.1 33.1

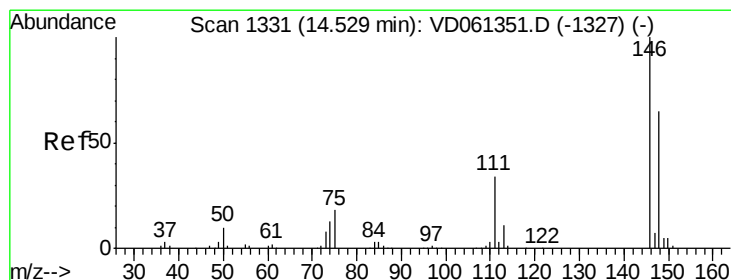
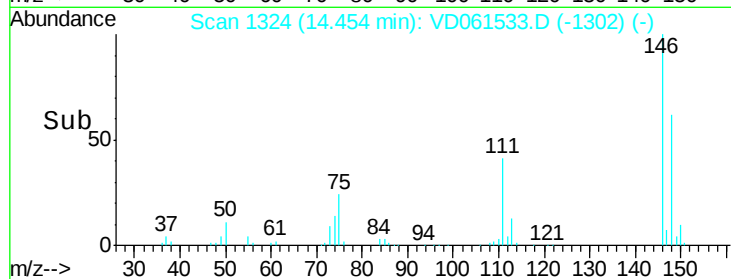
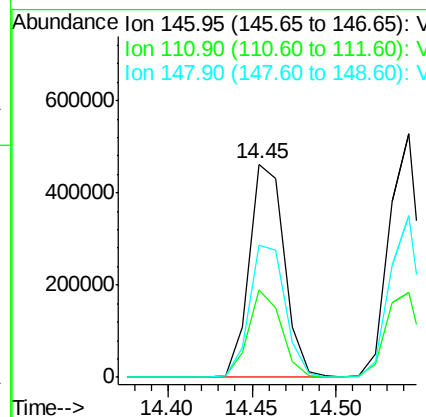
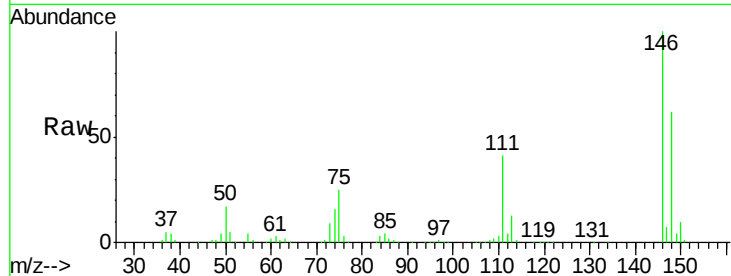




#87
 1,3-Dichlorobenzene
 Concen: 46.843 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

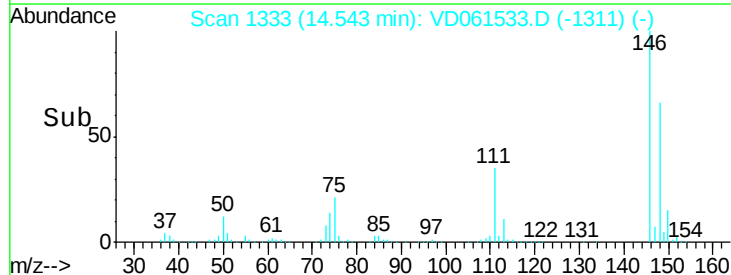
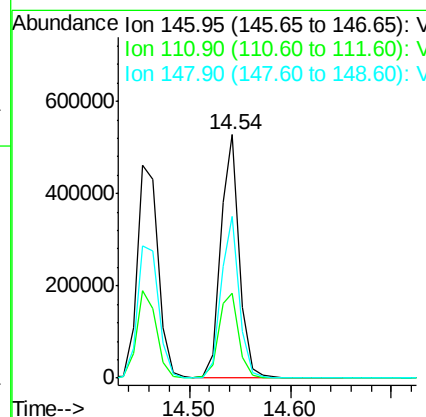
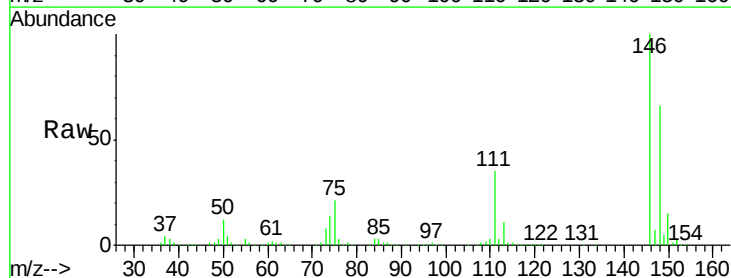
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

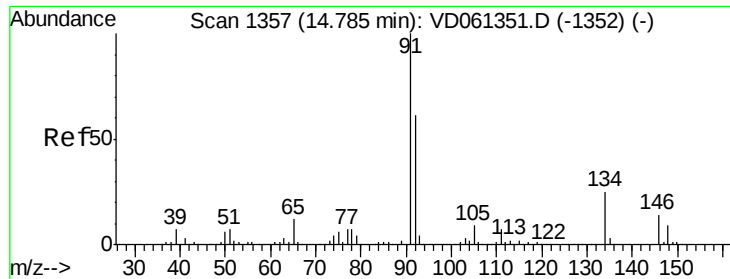
Tot Ion:146 Resp: 669612
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.6 61.9
 148 62.1 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 48.523 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion:146 Resp: 676413
 Ion Ratio Lower Upper
 146 100
 111 35.1 16.8 50.4
 148 66.2 32.6 98.0

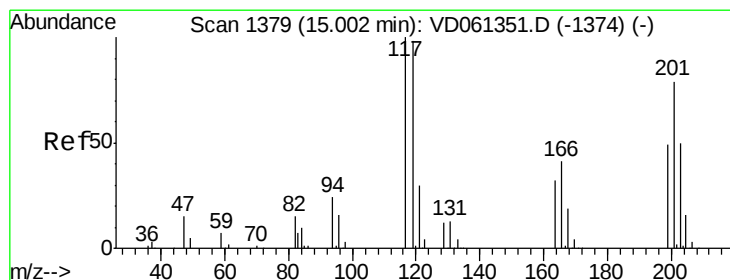
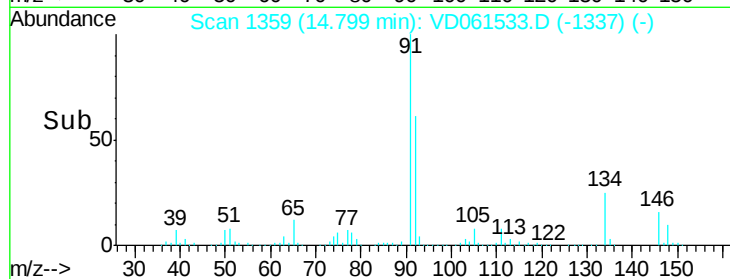
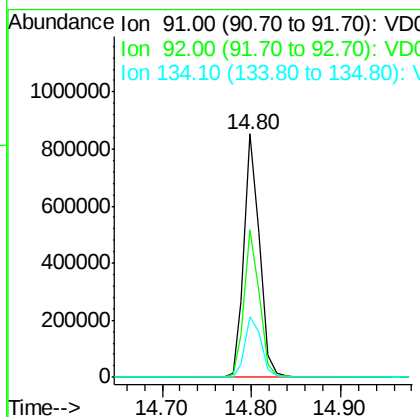
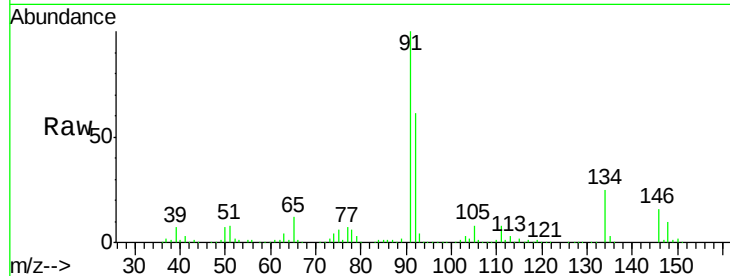




#89
n-Butylbenzene
Concen: 45.180 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

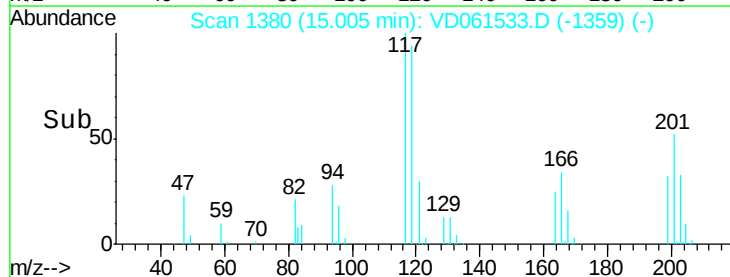
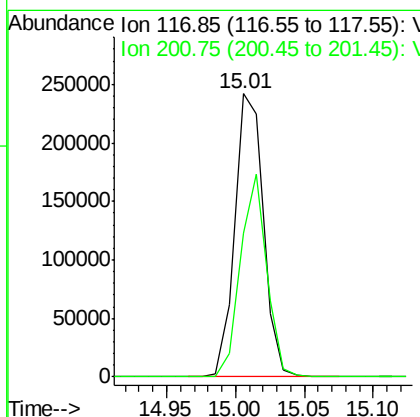
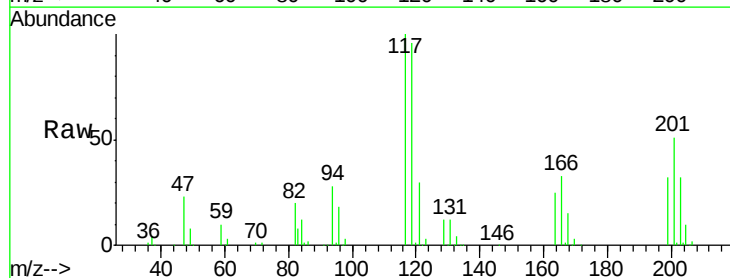
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

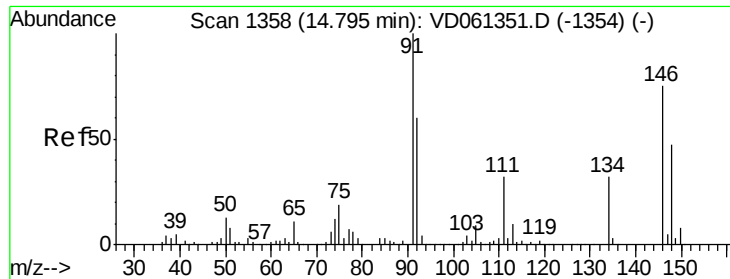
Tot Ion: 91 Resp: 1028497
Ion Ratio Lower Upper
91 100
92 60.7 30.3 91.0
134 25.1 12.4 37.0



#90
Hexachloroethane
Concen: 50.074 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 117 Resp: 350868
Ion Ratio Lower Upper
117 100
201 50.6 39.6 119.0

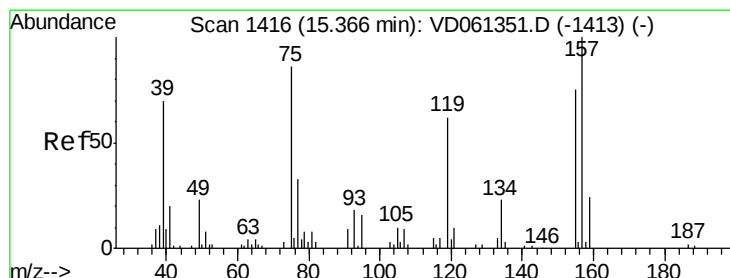
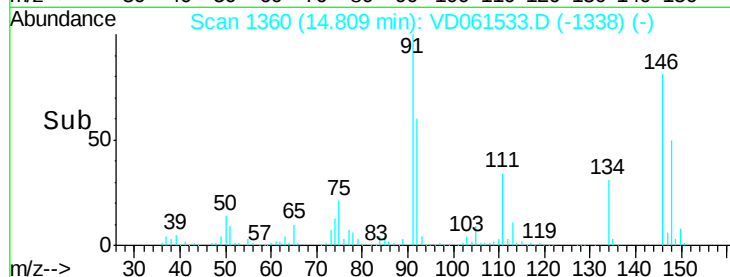
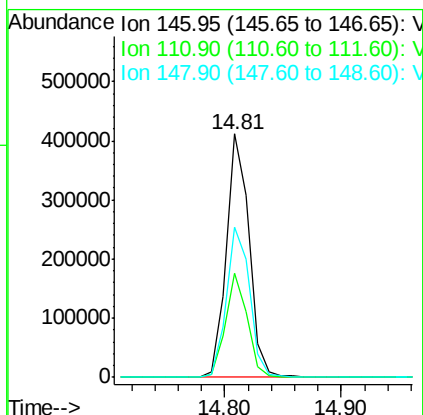
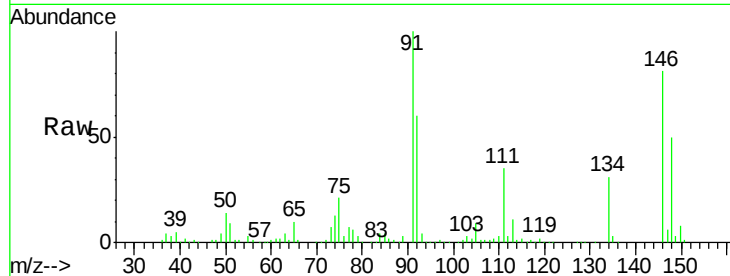




#91
 1,2-Dichlorobenzene
 Concen: 47.295 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

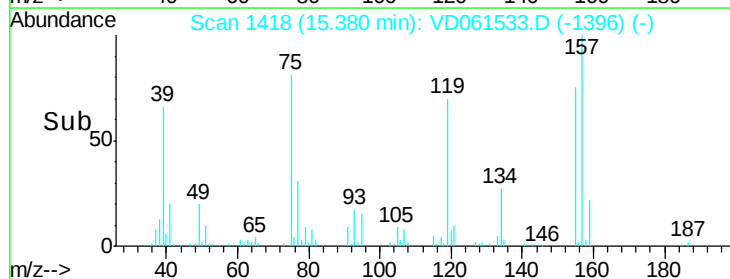
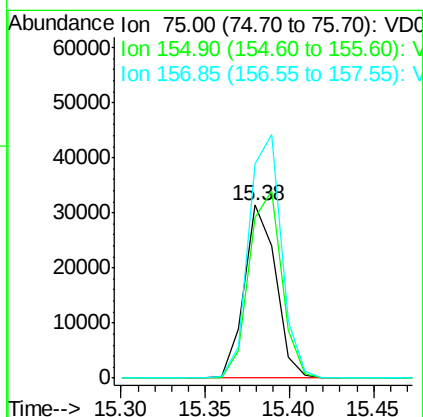
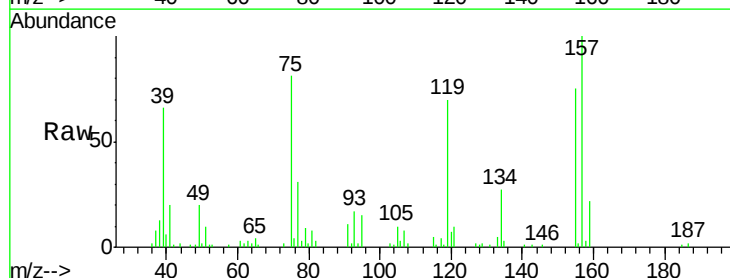
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

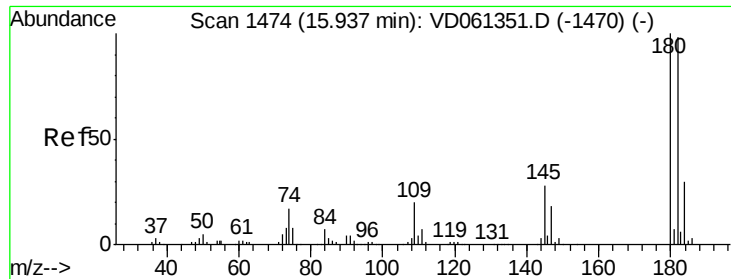
Tot Ion:146 Resp: 554535
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.2 63.6
 148 61.8 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.950 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 75 Resp: 40825
 Ion Ratio Lower Upper
 75 100
 155 93.2 43.6 130.9
 157 124.2 58.5 175.3

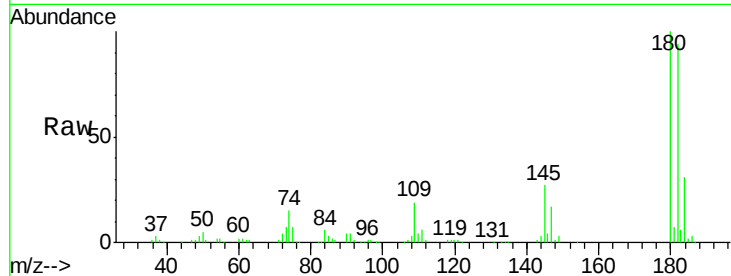




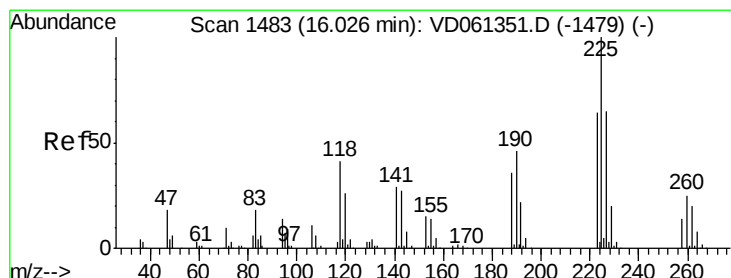
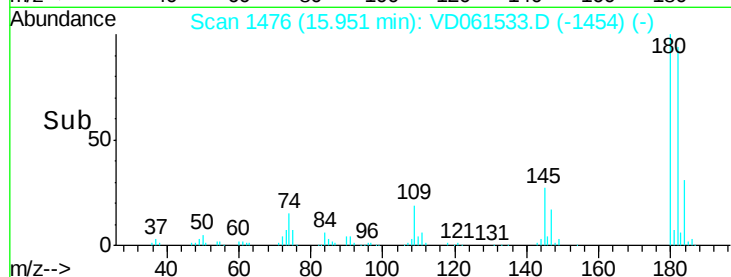
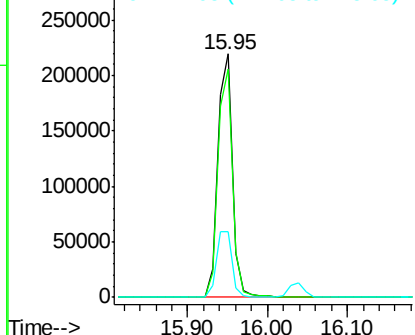
#93
 1,2,4-Trichlorobenzene
 Concen: 53.661 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 286614
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.9 146.8
 145 27.2 14.1 42.3

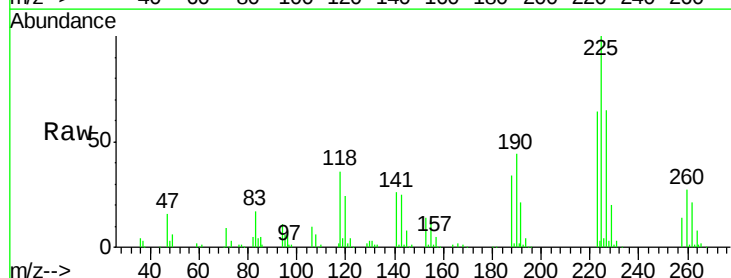


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

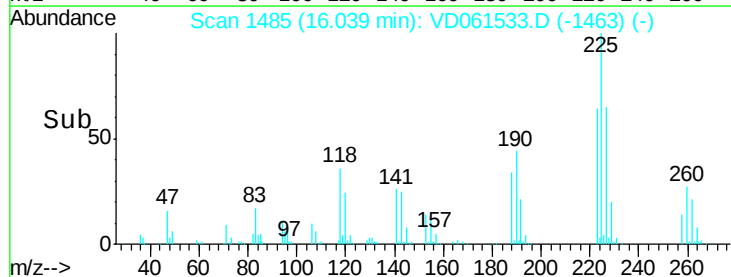
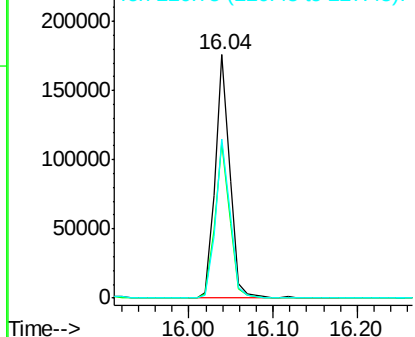


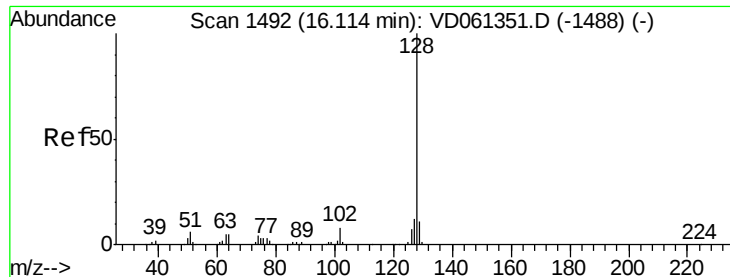
#94
 Hexachlorobutadiene
 Concen: 50.898 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion:225 Resp: 212437
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.0 96.0
 227 65.3 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 53.811 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

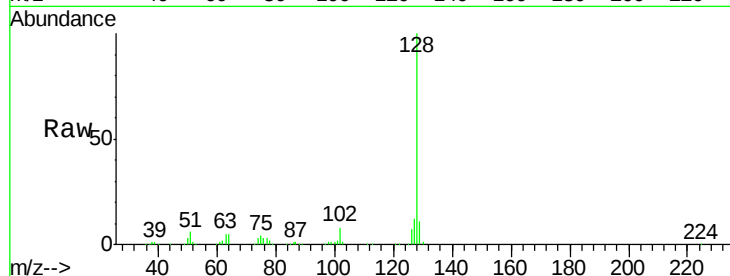
Tot Ion:128 Resp: 438094

Ion Ratio Lower Upper

128 100

127 12.1 9.9 14.9

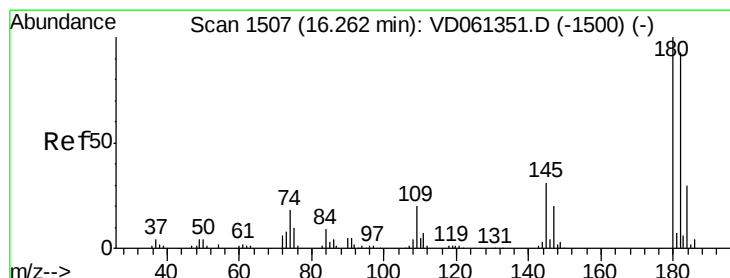
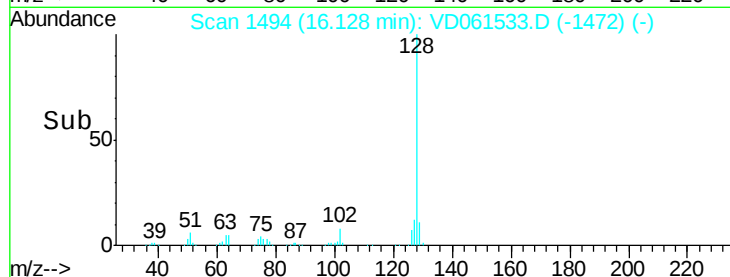
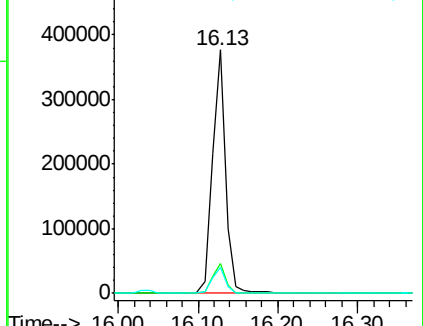
129 10.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 64.102 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

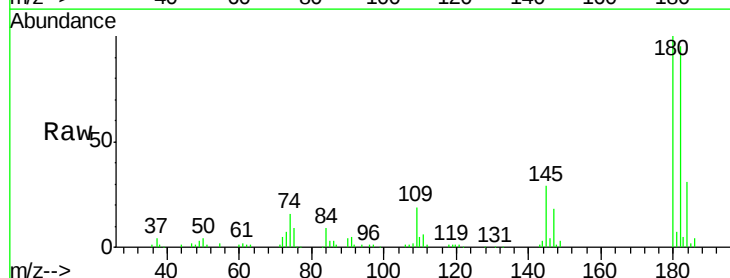
Tgt Ion:180 Resp: 150664

Ion Ratio Lower Upper

180 100

182 95.2 46.4 139.1

145 28.6 15.3 45.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

