

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061511.D
 Acq On : 2 Apr 2019 13:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 03 01:49:23 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	7.04	168	693842	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.20	114	1180712	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	988543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	412734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	284736	48.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	6.91	113	442203	49.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.40	98	1063901	49.16	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	13.55	95	408153	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	368492	49.730	ug/l	100
3) Chloromethane	1.77	50	280049	46.341	ug/l	98
4) Vinyl Chloride	1.85	62	267027	48.124	ug/l	98
5) Bromomethane	2.16	94	56817	51.638	ug/l	95
6) Chloroethane	2.28	64	91476	56.217	ug/l	98
7) Trichlorofluoromethane	2.53	101	453313	56.182	ug/l	98
8) Diethyl Ether	2.87	74	118347	45.556	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	438314	50.530	ug/l	97
10) Methyl Iodide	3.31	142	594199	45.401	ug/l	99
11) Tert butyl alcohol	4.05	59	84829	229.814	ug/l	98
12) 1,1-Dichloroethene	3.13	96	376936	50.613	ug/l	97
13) Acrolein	3.04	56	61142	214.115	ug/l	95
14) Allyl chloride	3.62	41	519927	50.053	ug/l	97
15) Acrylonitrile	4.19	53	304501	237.679	ug/l	96
16) Acetone	3.21	43	406373	266.710	ug/l	97
17) Carbon Disulfide	3.38	76	1042037	43.064	ug/l	99
18) Methyl Acetate	3.64	43	150358	46.935	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	618251	47.958	ug/l	99
20) Methylene Chloride	3.81	84	435980	51.122	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	397524	49.440	ug/l	96
22) Diisopropyl ether	5.11	45	1051252	47.824	ug/l	99
23) Vinyl Acetate	5.05	43	2727660	228.443	ug/l	97
24) 1,1-Dichloroethane	4.97	63	637449	49.345	ug/l	100
25) 2-Butanone	6.06	43	457697	238.804	ug/l	99
26) 2,2-Dichloropropane	6.02	77	531816	51.787	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	425333	48.281	ug/l	96
28) Bromochloromethane	6.43	49	240658	46.150	ug/l #	91
29) Tetrahydrofuran	6.44	42	232619	250.404	ug/l	98
30) Chloroform	6.66	83	739165	55.376	ug/l	97
31) Cyclohexane	6.94	56	535266	52.433	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	642424	54.554	ug/l	97
36) 1,1-Dichloropropene	7.14	75	506448	49.146	ug/l	98
37) Ethyl Acetate	6.17	43	218158	49.501	ug/l	99
38) Carbon Tetrachloride	7.10	117	642695	54.275	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	551469	51.383	ug/l	98
40) Benzene	7.45	78	1244973	48.138	ug/l	95
41) Methacrylonitrile	6.43	41	258889	50.240	ug/l #	97
42) 1,2-Dichloroethane	7.56	62	396593	51.265	ug/l	98
43) Isopropyl Acetate	9.23	43	330035	51.469	ug/l #	100
44) Trichloroethene	8.53	130	474132	49.262	ug/l	100
45) 1,2-Dichloropropane	8.93	63	355323	54.182	ug/l	95
46) Dibromomethane	9.05	93	223451	50.623	ug/l	93
47) Bromodichloromethane	9.37	83	554352	55.955	ug/l	99
48) Methyl methacrylate	9.11	41	187814	53.071	ug/l	97
49) 1,4-Dioxane	9.07	88	40594	1039.969	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	916563	234.942	ug/l	98
52) Toluene	10.50	92	833411	52.821	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	470702	52.294	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	550150	50.195	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	284455	51.551	ug/l	98
56) Ethyl methacrylate	11.03	69	300215	50.645	ug/l	98
57) 1,3-Dichloropropane	11.39	76	404057	49.820	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	692819	239.996	ug/l	100
59) 2-Hexanone	11.52	43	737761	261.010	ug/l	100
60) Dibromochloromethane	11.68	129	437099	51.384	ug/l	96
61) 1,2-Dibromoethane	11.80	107	328226	51.369	ug/l	99
64) Tetrachloroethene	11.25	164	375009	48.337	ug/l	99
65) Chlorobenzene	12.39	112	1037039	51.332	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	397413	50.806	ug/l	99
67) Ethyl Benzene	12.52	91	1556822	50.486	ug/l	98
68) m/p-Xylenes	12.66	106	1183825	101.346	ug/l	96
69) o-Xylene	13.04	106	523860	46.214	ug/l	99
70) Styrene	13.07	104	895992	45.344	ug/l	97
71) Bromoform	13.22	173	238506	48.100	ug/l	98
73) Isopropylbenzene	13.39	105	1447020	50.373	ug/l	97
74) N-amyl acetate	13.26	43	400987	50.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	290860	47.999	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	282459	47.376	ug/l	98
77) Bromobenzene	13.67	156	420114	49.332	ug/l	81
78) n-propylbenzene	13.77	91	1762997	50.151	ug/l	97
79) 2-Chlorotoluene	13.83	91	1018377	53.353	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1160309	52.060	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	97601	53.691	ug/l	96
82) 4-Chlorotoluene	13.94	91	1124326	54.172	ug/l	97
83) tert-Butylbenzene	14.18	119	1466902	52.664	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1280916	53.085	ug/l	99
85) sec-Butylbenzene	14.37	105	1559111	52.690	ug/l	98
86) p-Isopropyltoluene	14.48	119	1325319	52.967	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	735106	50.975	ug/l	94
88) 1,4-Dichlorobenzene	14.53	146	732963	52.119	ug/l	97
89) n-Butylbenzene	14.79	91	1218829	53.072	ug/l	99
90) Hexachloroethane	15.01	117	387174	54.772	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	604418	51.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	39777	55.968	ug/l	93

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

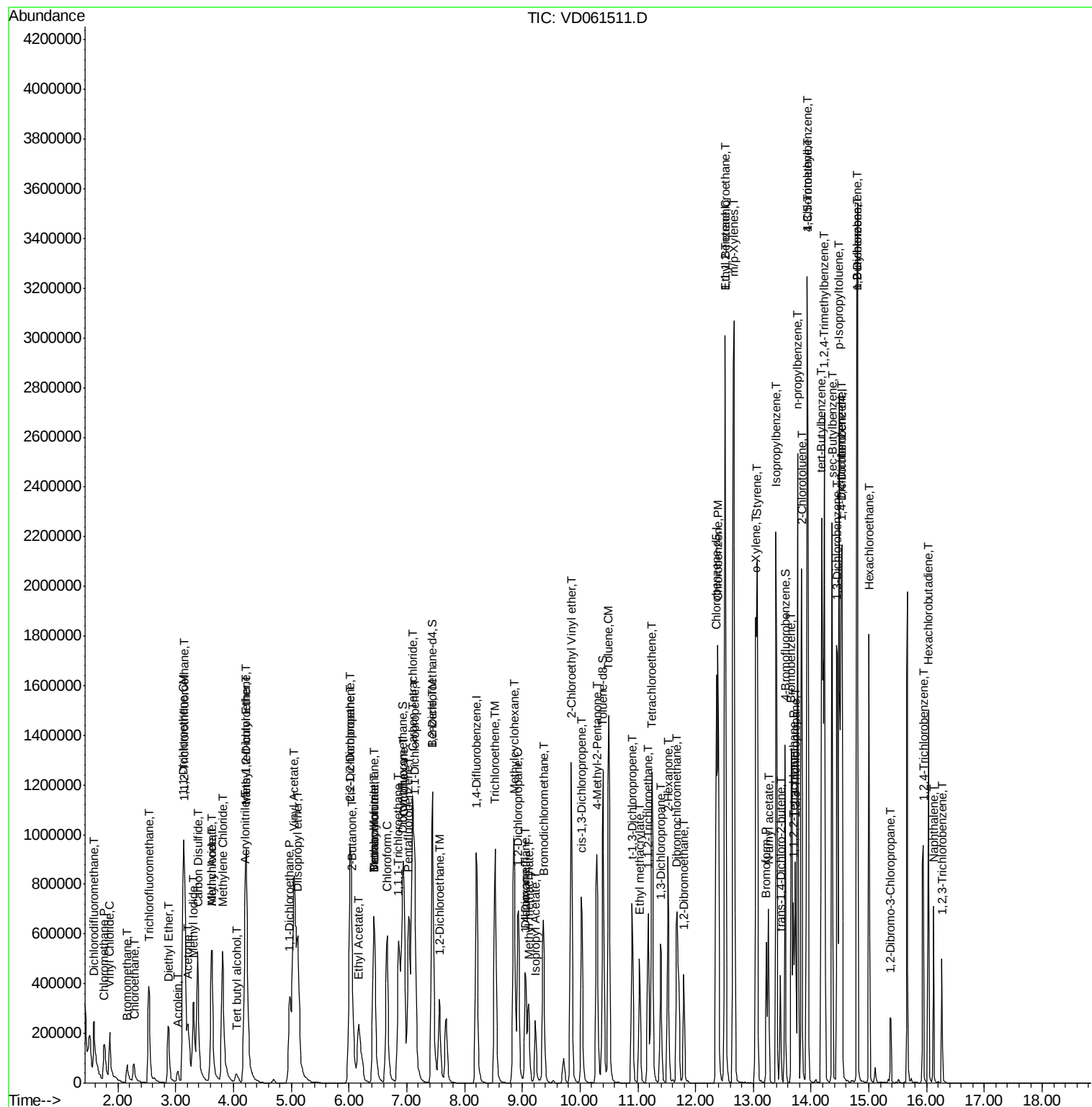
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	274313	50.908	ug/l	99
94) Hexachlorobutadiene	16.03	225	235559	55.944	ug/l	99
95) Naphthalene	16.12	128	422025	51.383	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	132148	55.732	ug/l	96

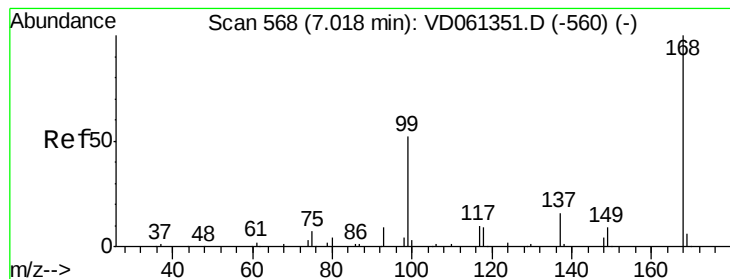
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

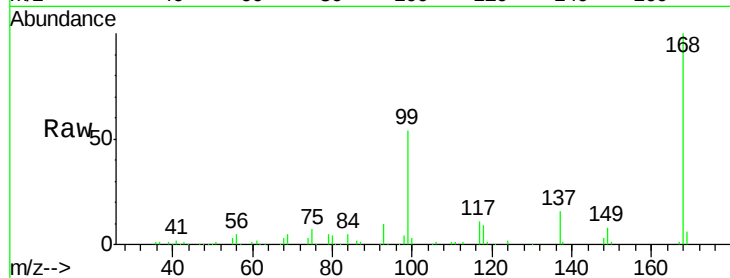
VSTDCCC050

Tot Ion:168 Resp: 693842

Ion Ratio Lower Upper

168 100

99 54.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

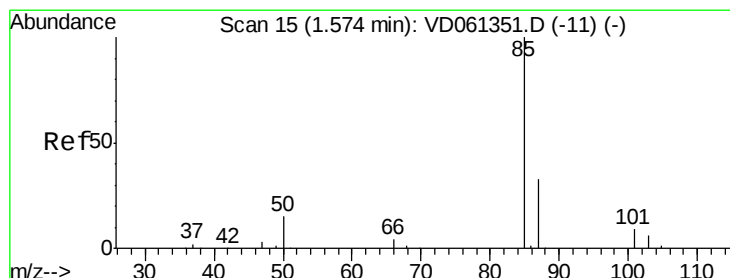
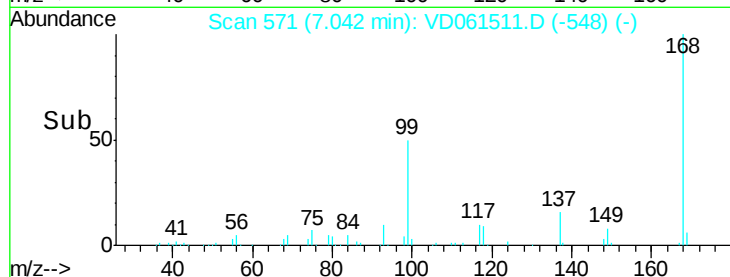
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.730 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061511.D

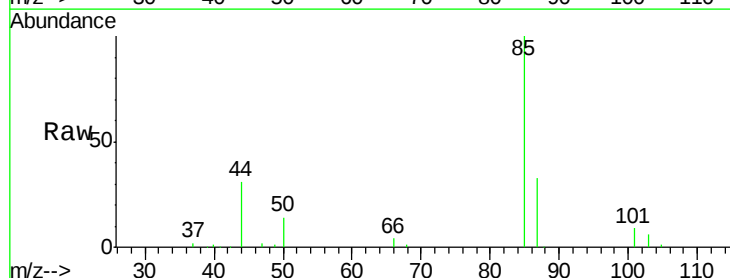
Acq: 2 Apr 2019 13:24

Tgt Ion: 85 Resp: 368492

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

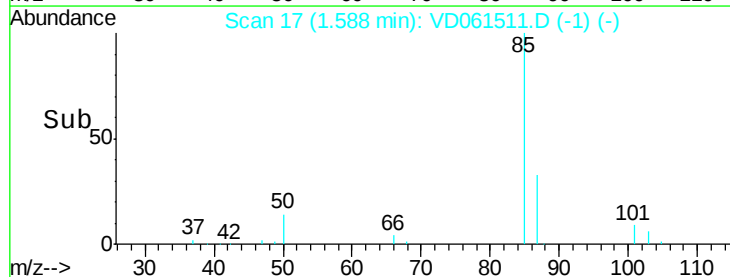
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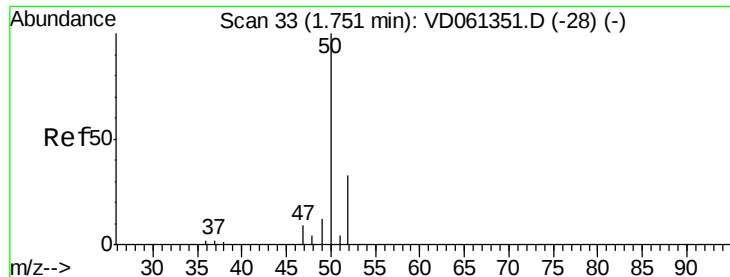
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 46.341 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

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ClientSampleId :

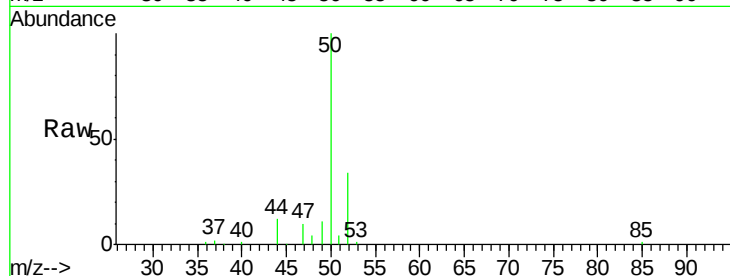
VSTDCCC050

Tot Ion: 50 Resp: 280049

Ion Ratio Lower Upper

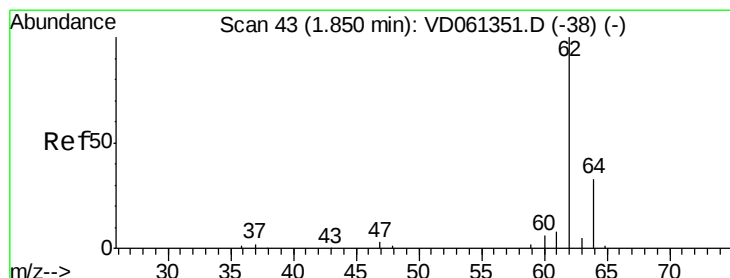
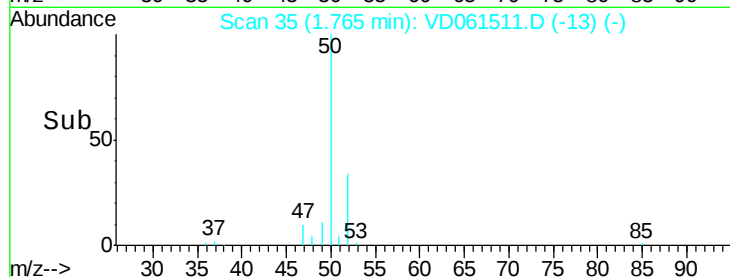
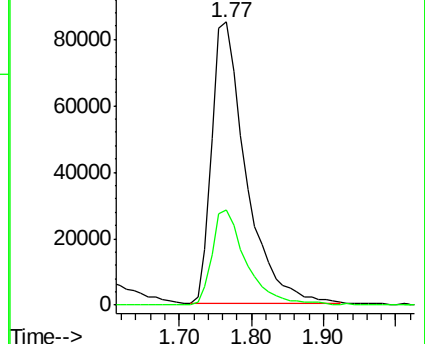
50 100

52 33.9 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: 48.124 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061511.D

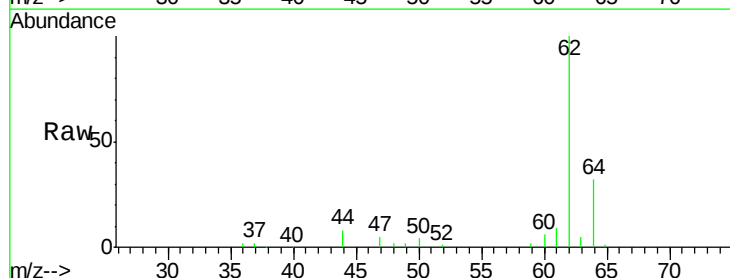
Acq: 2 Apr 2019 13:24

Tgt Ion: 62 Resp: 267027

Ion Ratio Lower Upper

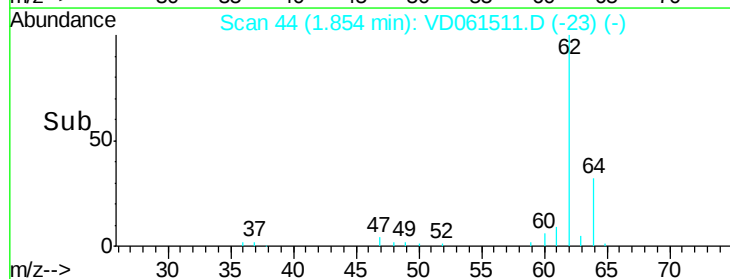
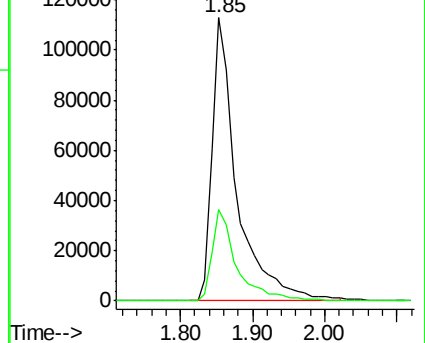
62 100

64 32.3 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

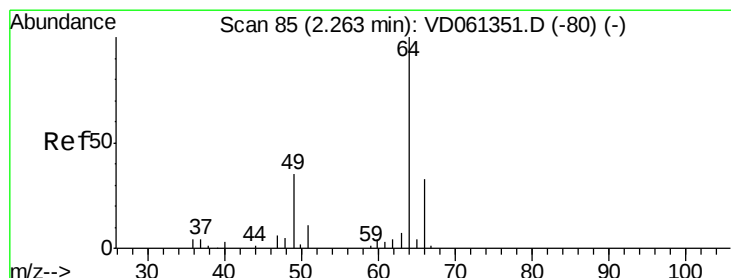
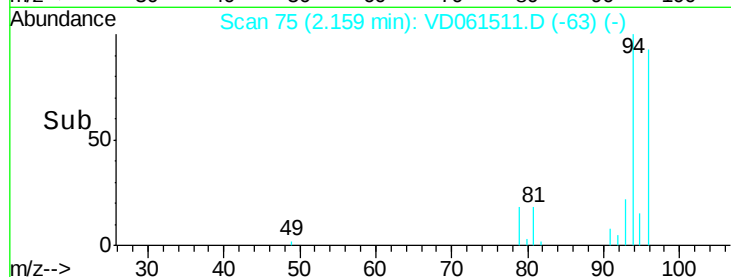
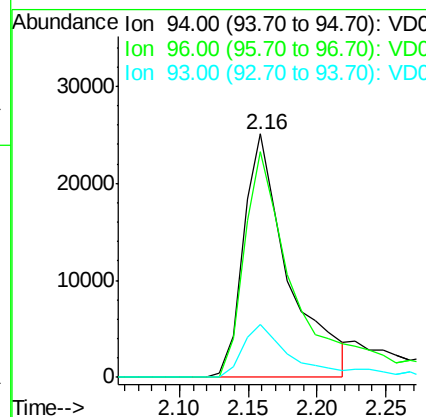
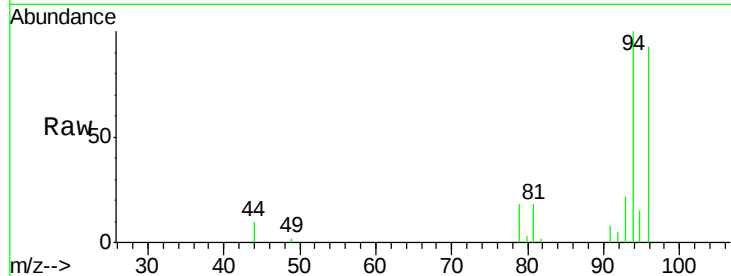




#5
Bromomethane
Concen: 51.638 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

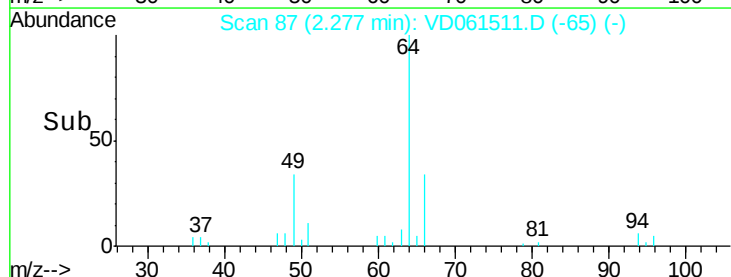
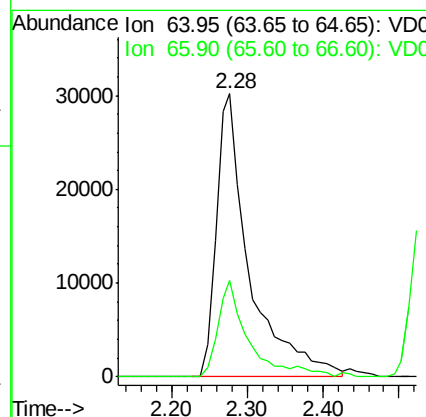
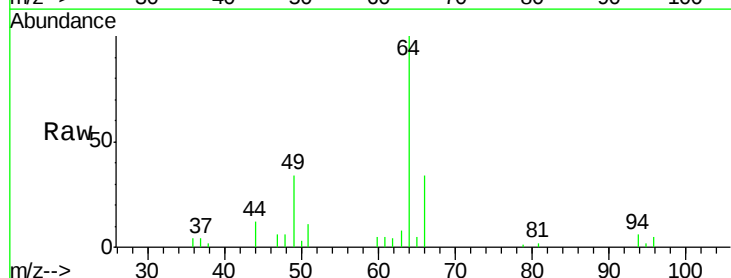
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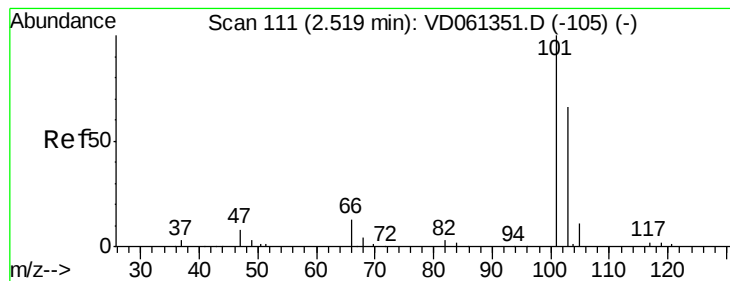
Tot Ion: 94 Resp: 56817
Ion Ratio Lower Upper
94 100
96 92.9 78.3 117.5
93 21.7 15.6 23.4



#6
Chloroethane
Concen: 56.217 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 64 Resp: 91476
Ion Ratio Lower Upper
64 100
66 33.9 26.2 39.2



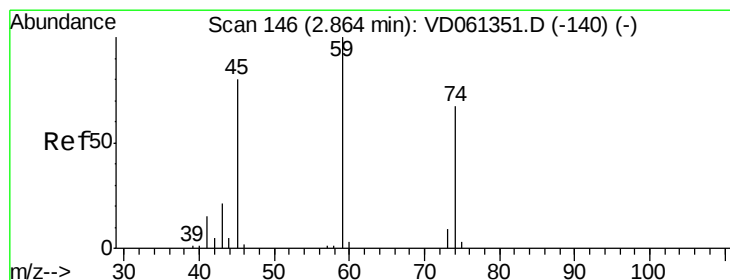
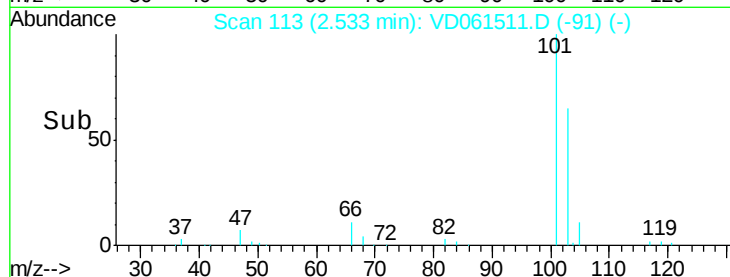
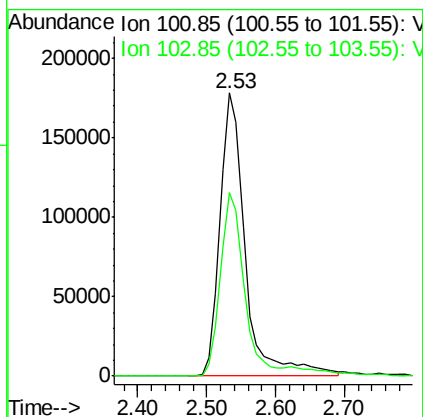
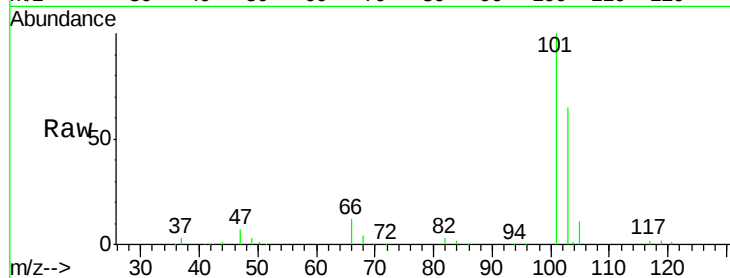


#7

Trichlorofluoromethane
 Concen: 56.182 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

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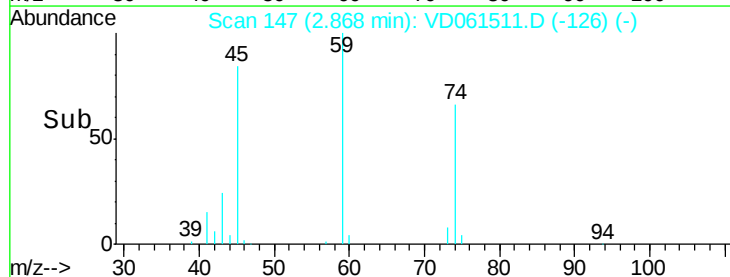
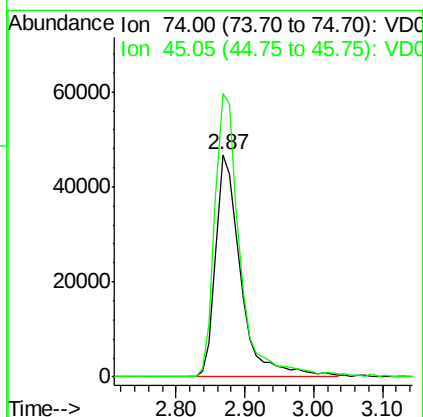
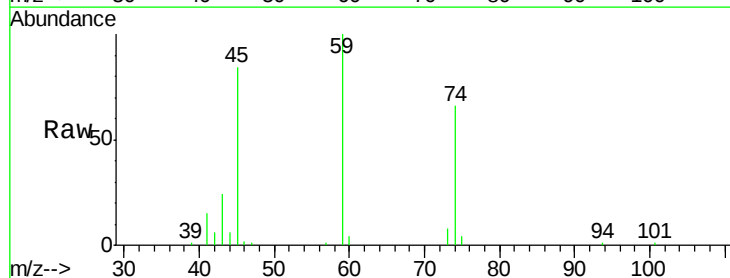
Tot Ion:101 Resp: 453313
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.1 79.7

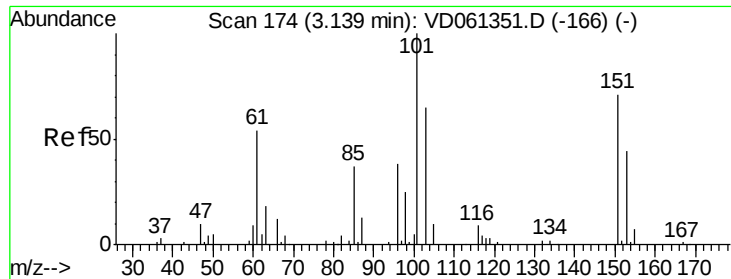


#8

Diethyl Ether
 Concen: 45.556 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Tgt Ion: 74 Resp: 118347
 Ion Ratio Lower Upper
 74 100
 45 127.3 59.7 179.1

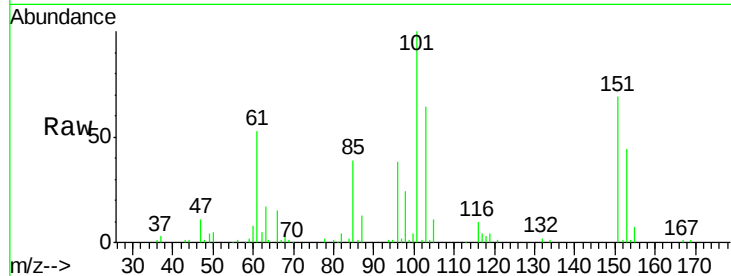




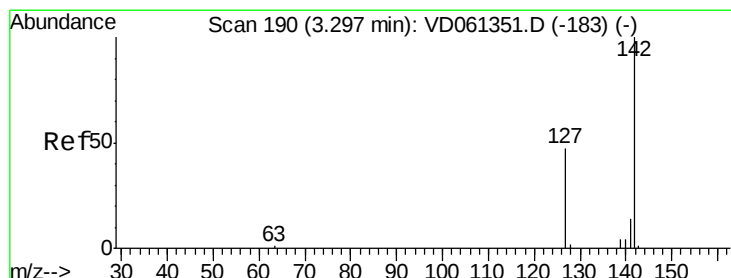
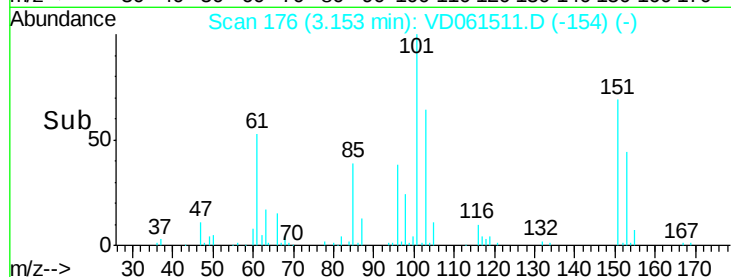
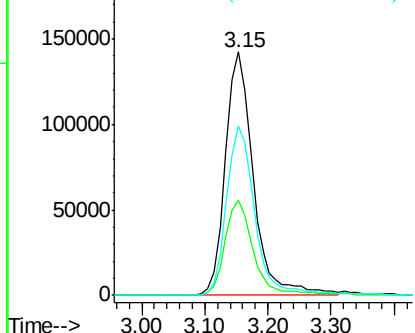
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.530 ug/l
RT: 3.15 min Scan# 176
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 438314
Ion Ratio Lower Upper
101 100
85 39.2 29.4 44.0
151 69.5 57.0 85.4

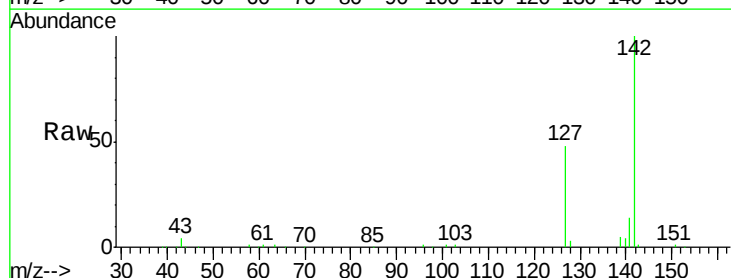


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V

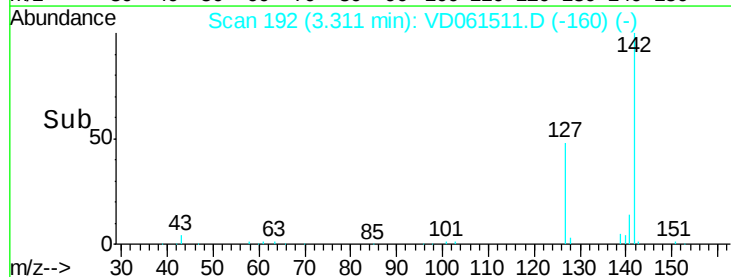
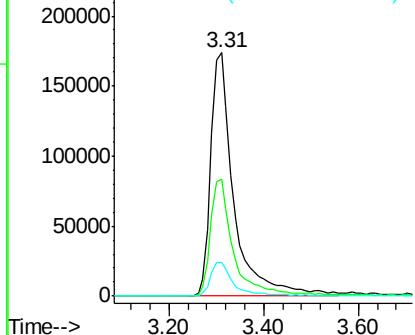


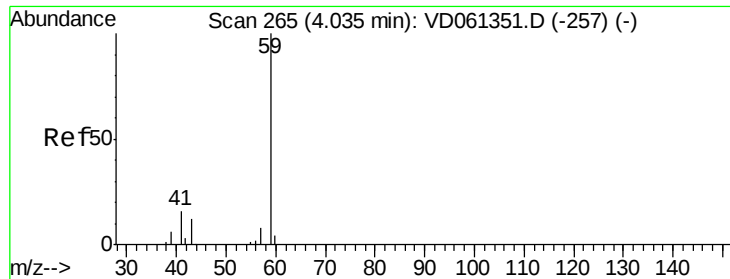
#10
Methyl Iodide
Concen: 45.401 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion:142 Resp: 594199
Ion Ratio Lower Upper
142 100
127 48.0 37.7 56.5
141 13.6 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

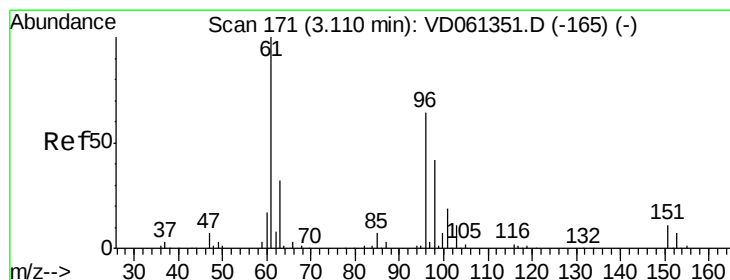
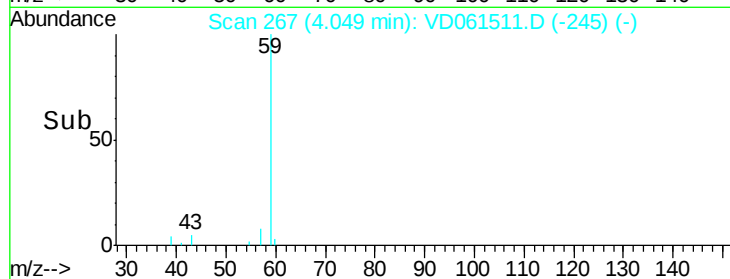
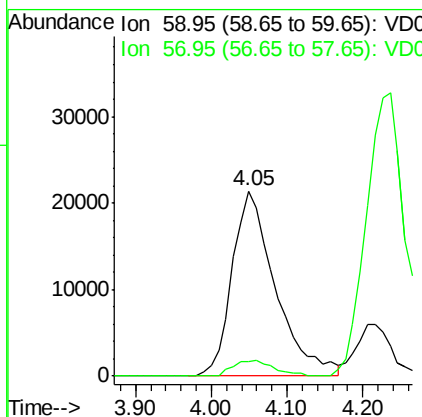
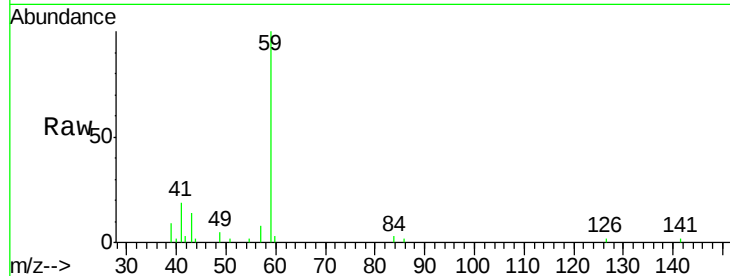




#11
Tert butyl alcohol
Concen: 229.814 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

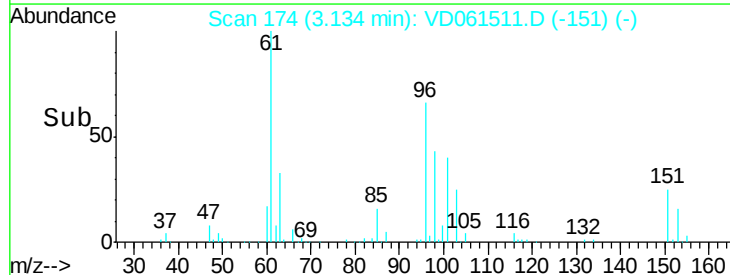
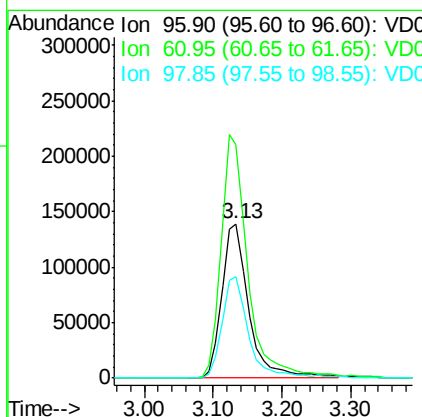
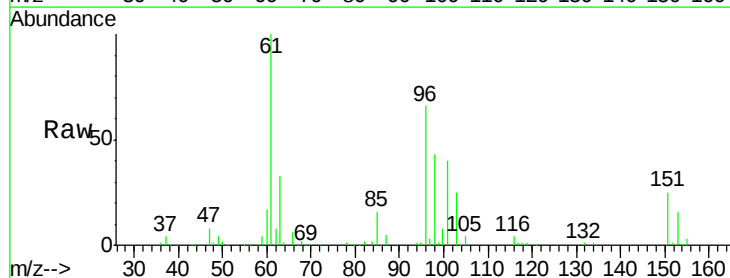
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

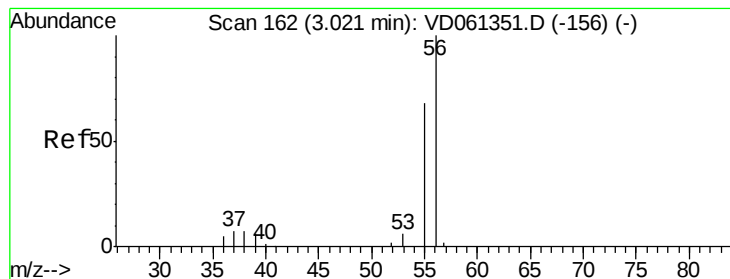
Tot Ion: 59 Resp: 84829
Ion Ratio Lower Upper
59 100
57 7.7 6.7 10.1



#12
1,1-Dichloroethene
Concen: 50.613 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 96 Resp: 376936
Ion Ratio Lower Upper
96 100
61 151.3 124.9 187.3
98 65.7 52.5 78.7





#13

Acrolein

Concen: 214.115 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

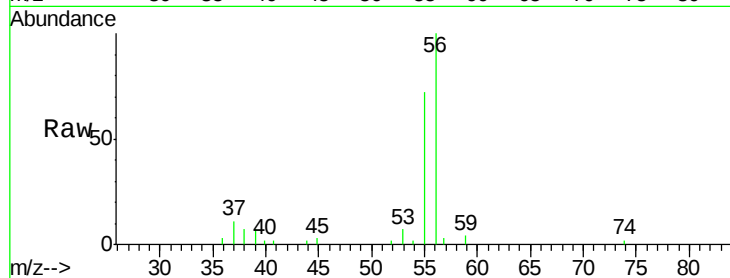
VSTDCCC050

Tot Ion: 56 Resp: 61142

Ion Ratio Lower Upper

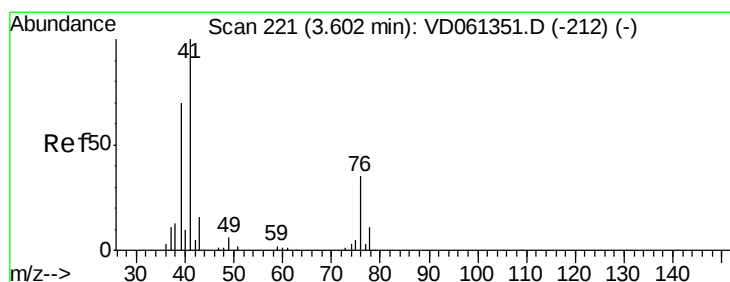
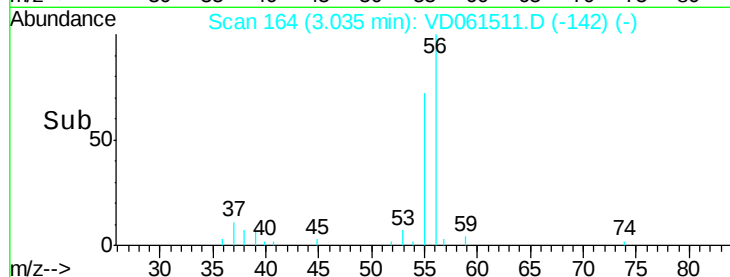
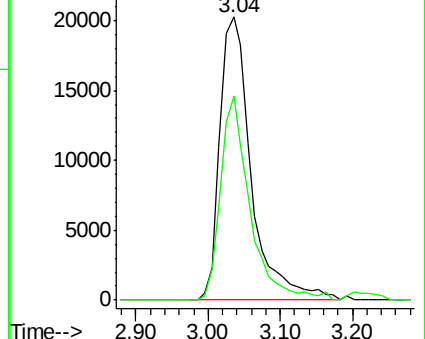
56 100

55 72.0 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: 50.053 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

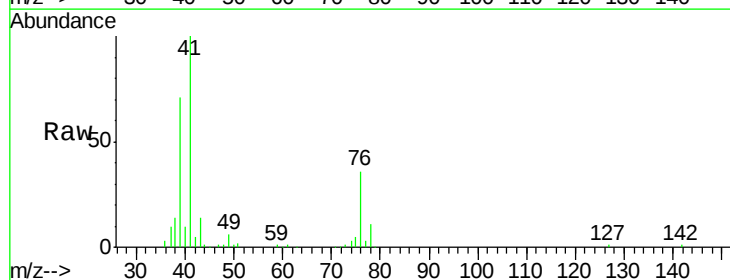
Tgt Ion: 41 Resp: 519927

Ion Ratio Lower Upper

41 100

39 70.9 55.6 83.4

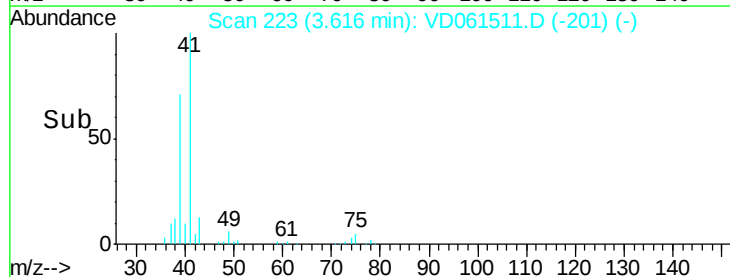
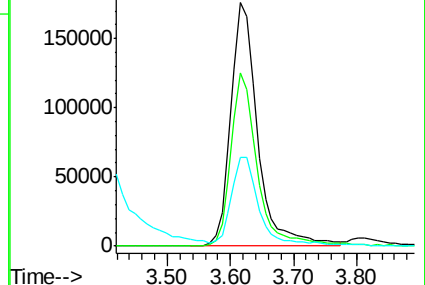
76 36.2 31.0 46.6

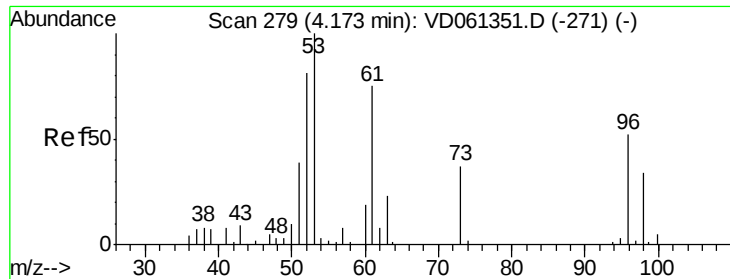


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 237.679 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

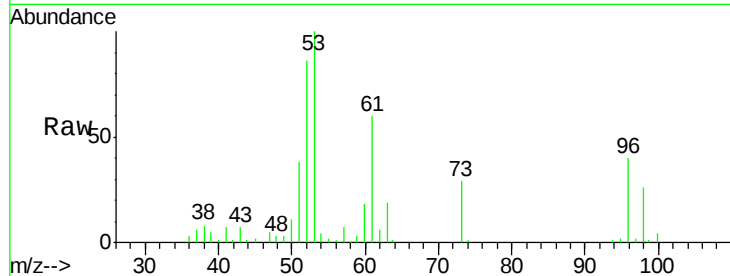
Tot Ion: 53 Resp: 304501

Ion Ratio Lower Upper

53 100

52 86.0 64.8 97.2

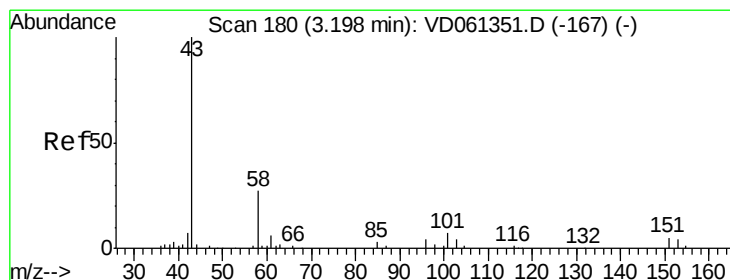
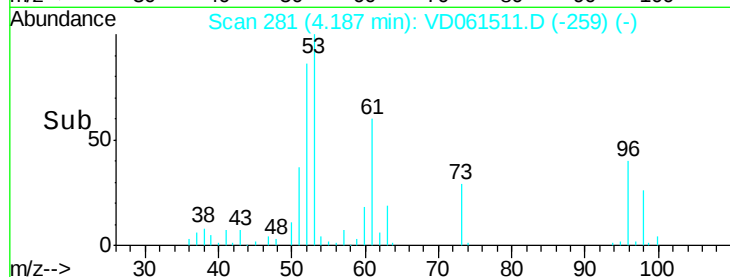
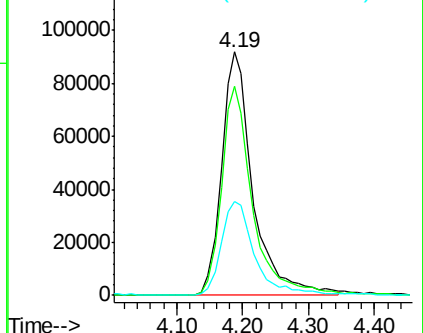
51 38.4 31.4 47.2



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: 266.710 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061511.D

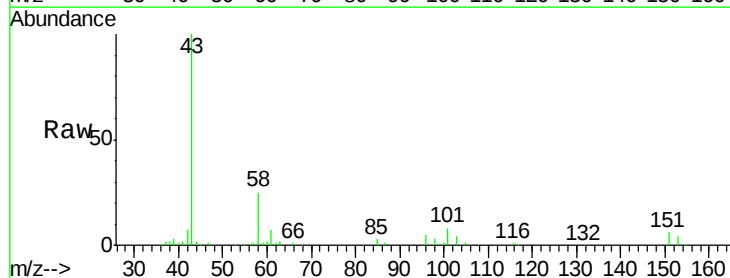
Acq: 2 Apr 2019 13:24

Tgt Ion: 43 Resp: 406373

Ion Ratio Lower Upper

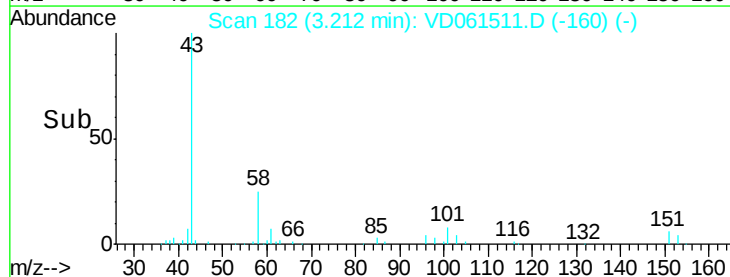
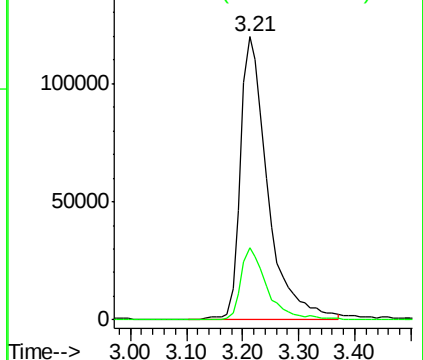
43 100

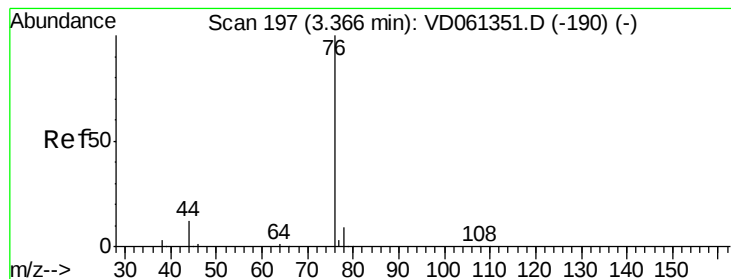
58 25.3 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 43.064 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

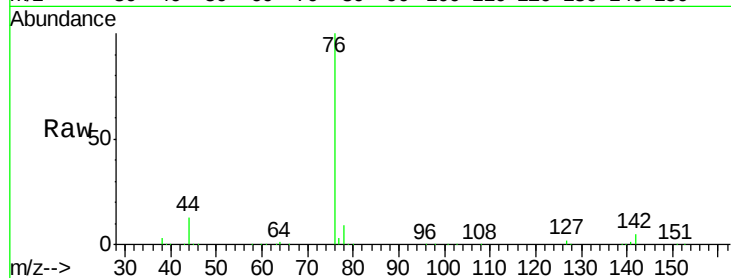
VSTDCCC050

Tot Ion: 76 Resp: 1042037

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

400000

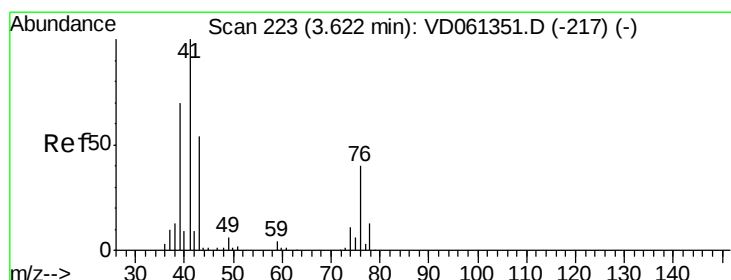
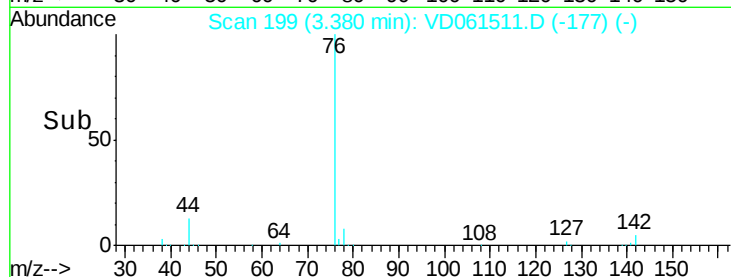
300000

200000

100000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 46.935 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061511.D

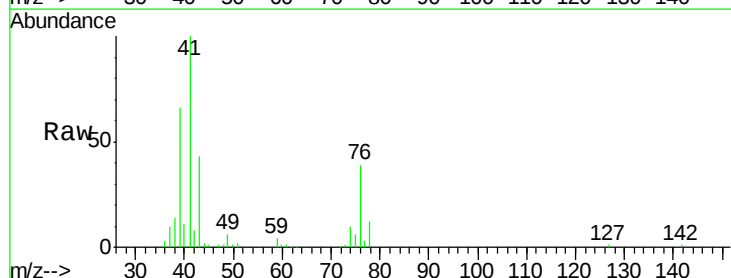
Acq: 2 Apr 2019 13:24

Tgt Ion: 43 Resp: 150358

Ion Ratio Lower Upper

43 100

74 22.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

60000

50000

40000

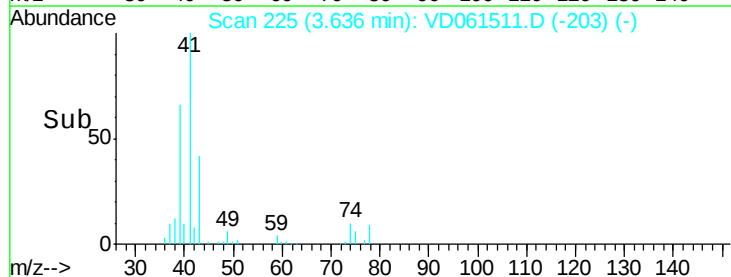
30000

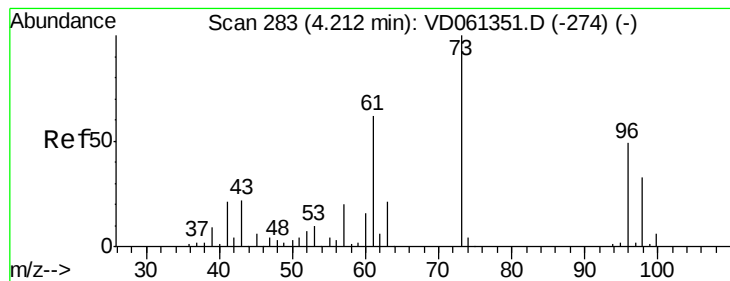
20000

10000

0

Time--> 3.50 3.60 3.70 3.80



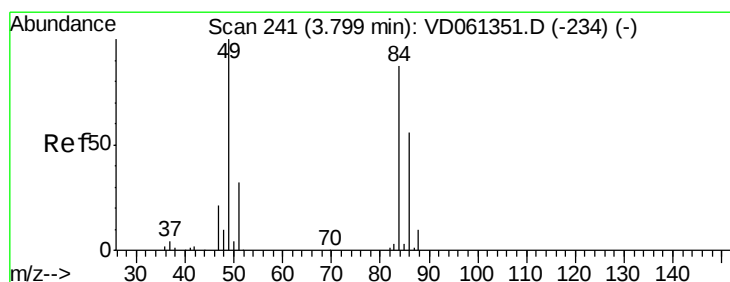
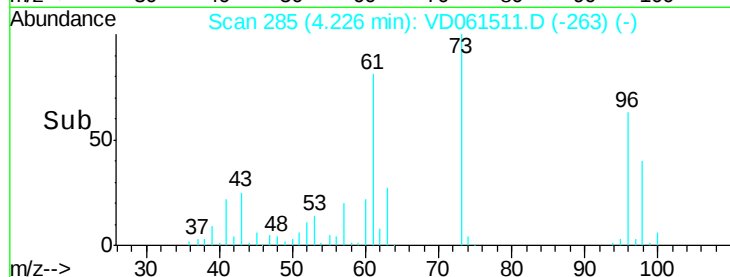
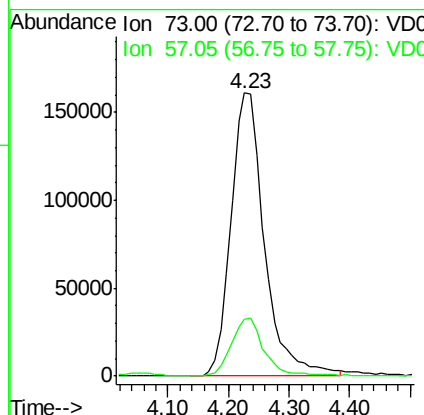
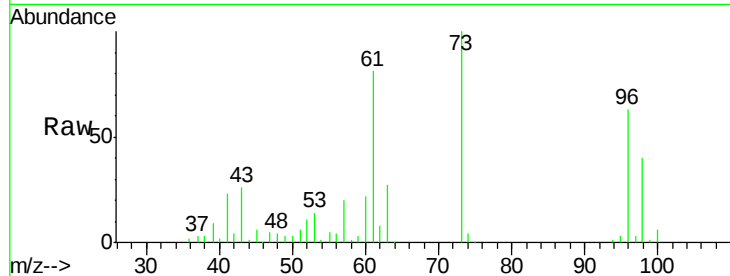


#19

Methvl tert-butvl Ether
 Concen: 47.958 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

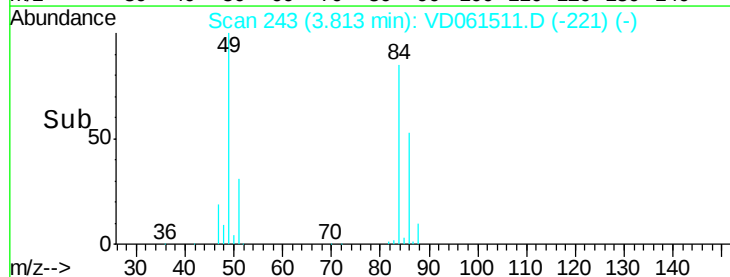
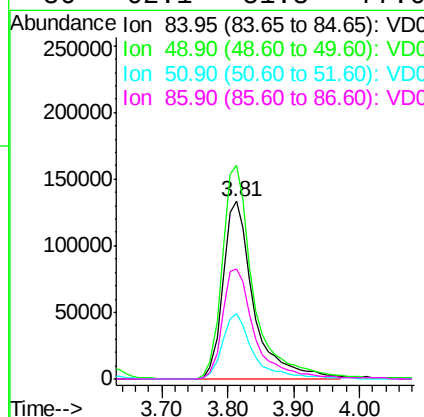
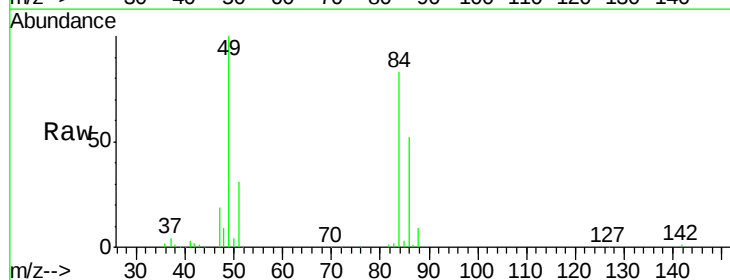
Tot Ion: 73 Resp: 618251
 Ion Ratio Lower Upper
 73 100
 57 20.0 16.4 24.6

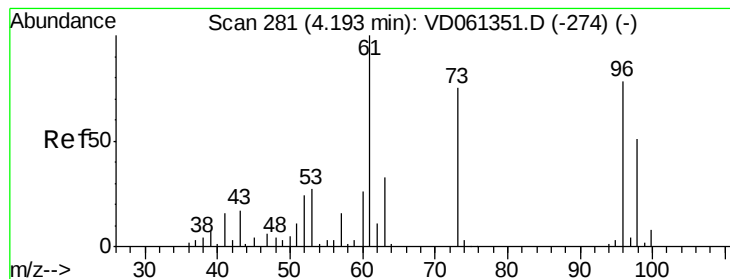


#20

Methylene Chloride
 Concen: 51.122 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Tgt Ion: 84 Resp: 435980
 Ion Ratio Lower Upper
 84 100
 49 120.2 91.8 137.8
 51 37.0 29.8 44.8
 86 62.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.440 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

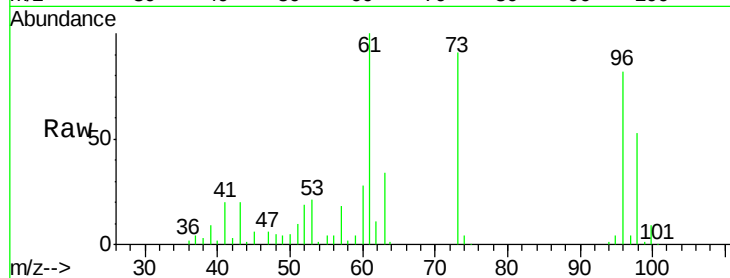
Tot Ion: 96 Resp: 397524

Ion Ratio Lower Upper

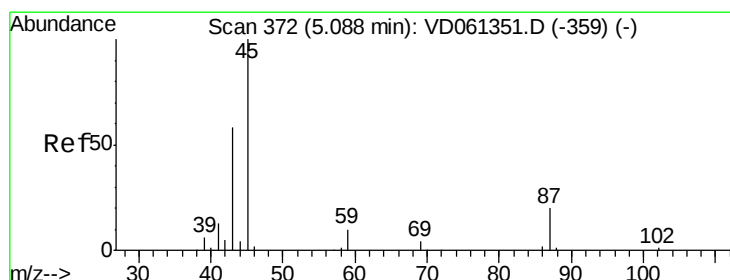
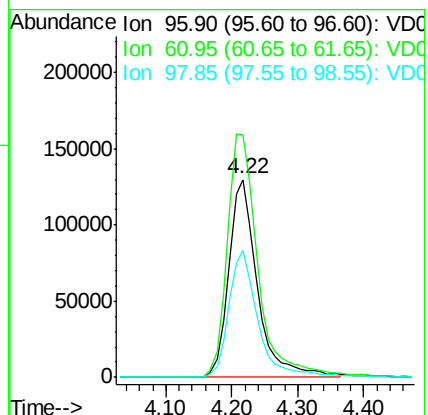
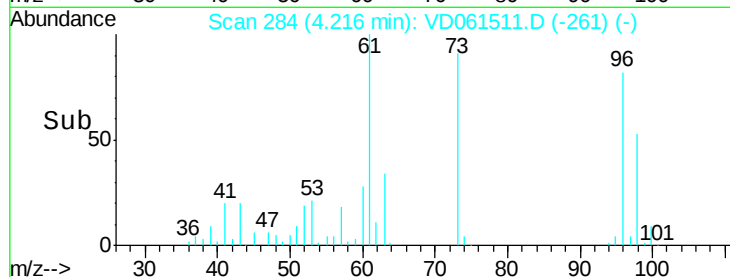
96 100

61 122.3 102.7 154.1

98 64.2 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: 47.824 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Tgt Ion: 45 Resp: 1051252

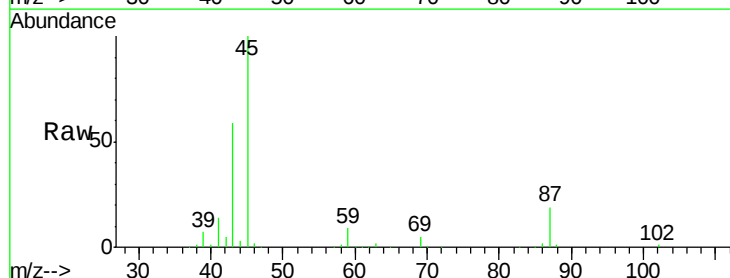
Ion Ratio Lower Upper

45 100

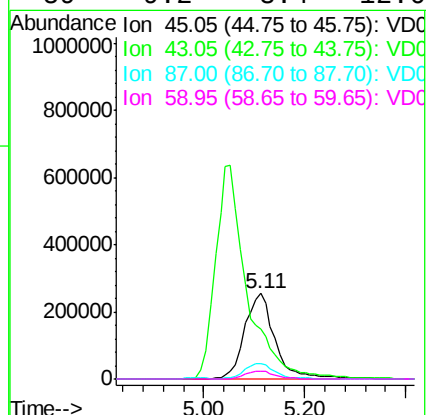
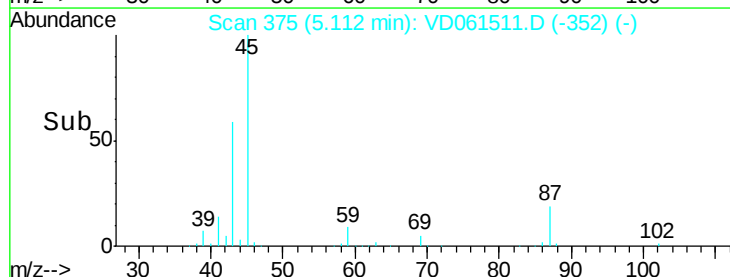
43 59.2 47.4 71.2

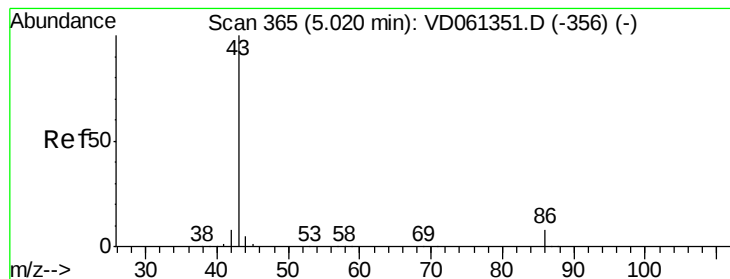
87 18.7 16.3 24.5

59 9.2 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: 228.443 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

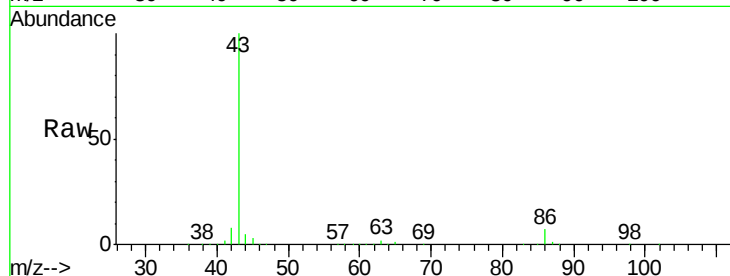
VSTDCCC050

Tot Ion: 43 Resp: 2727660

Ion Ratio Lower Upper

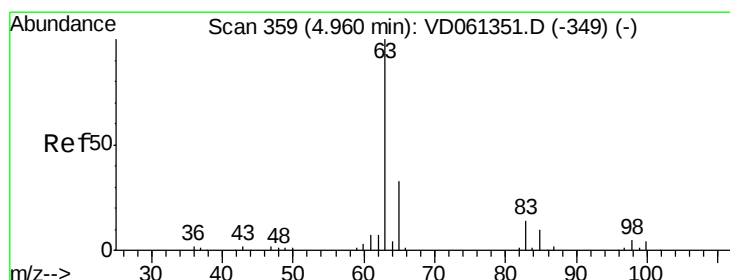
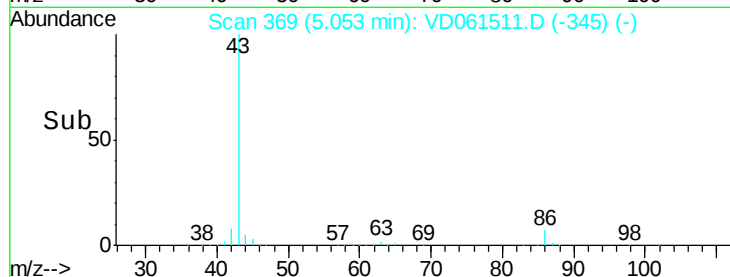
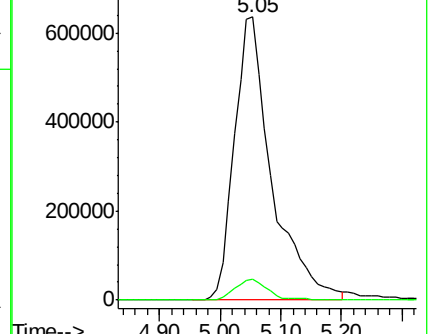
43 100

86 7.3 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.345 ug/l

RT: 4.97 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

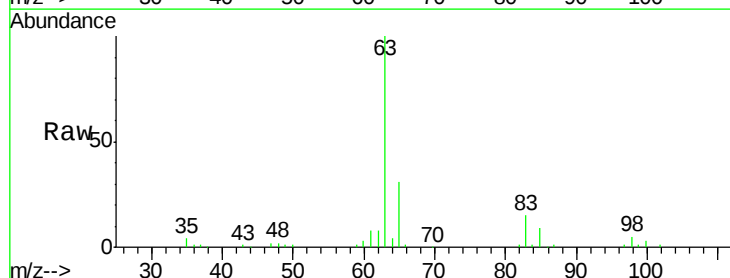
Tgt Ion: 63 Resp: 637449

Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

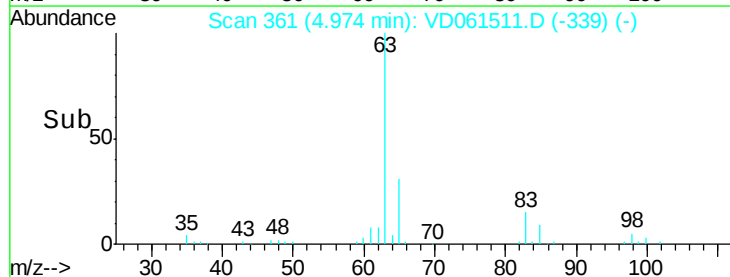
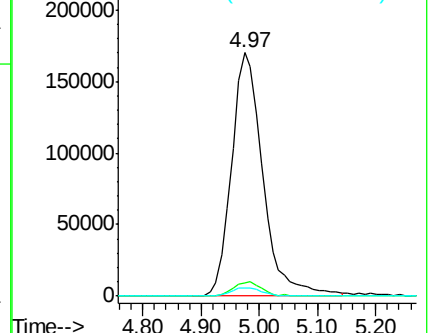
100 3.3 1.8 5.3



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





#25

2-Butanone

Concen: 238.804 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

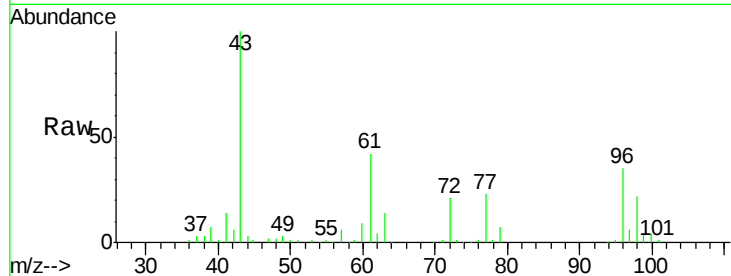
VSTDCCC050

Tot Ion: 43 Resp: 457697

Ion Ratio Lower Upper

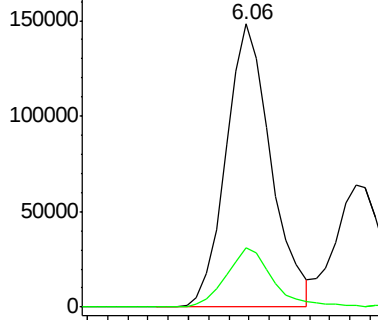
43 100

72 20.8 17.2 25.8

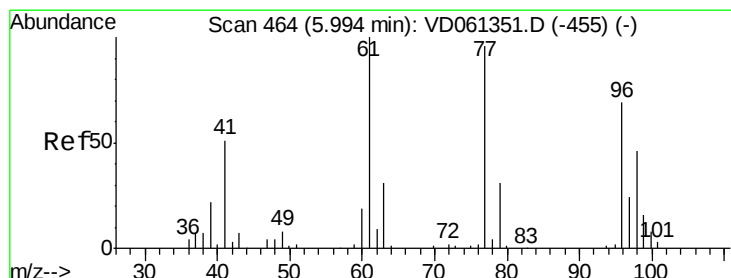
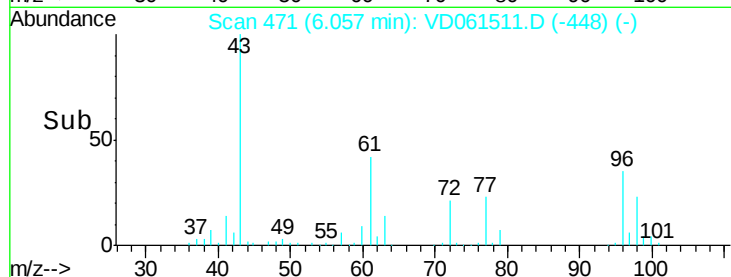


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 51.787 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD061511.D

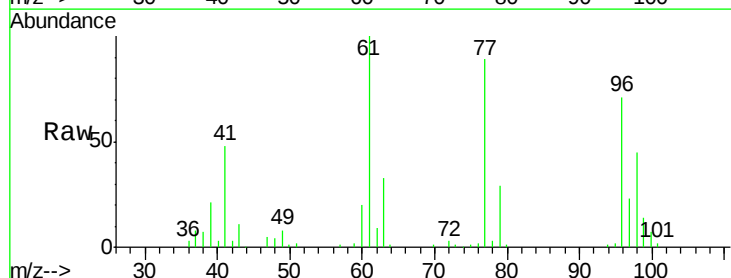
Acq: 2 Apr 2019 13:24

Tgt Ion: 77 Resp: 531816

Ion Ratio Lower Upper

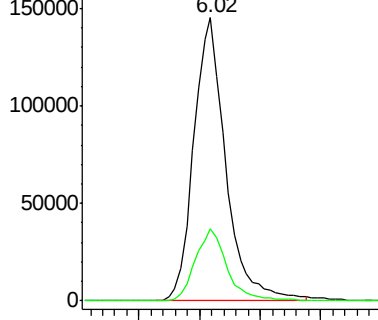
77 100

97 25.6 12.7 38.0

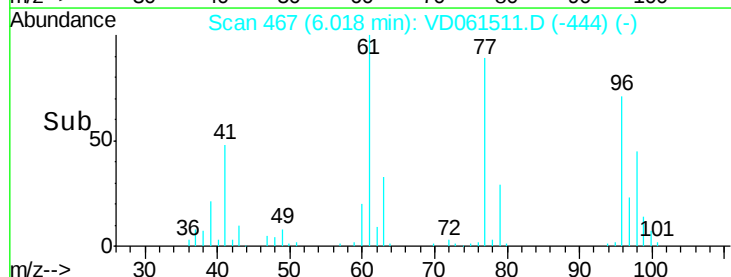


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



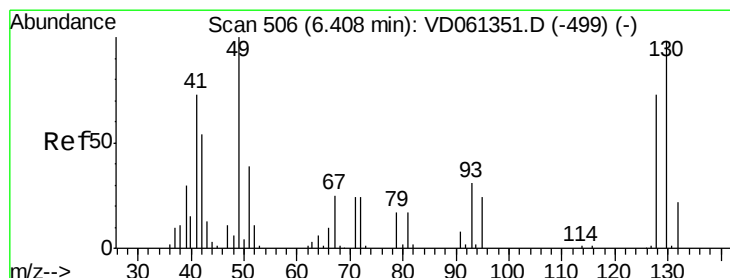
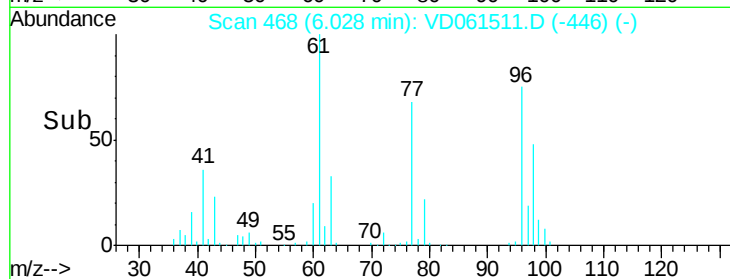
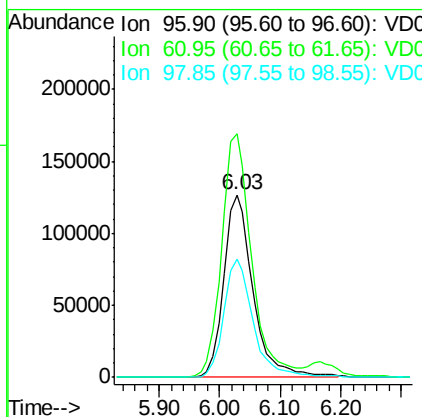
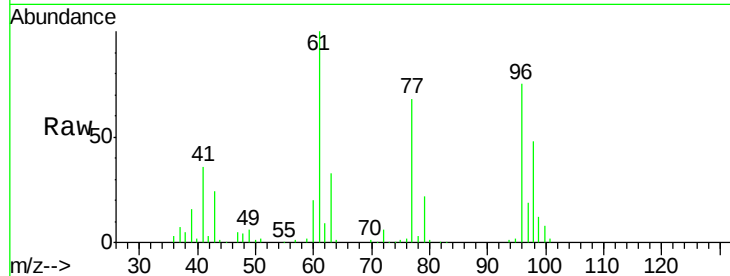


#27

cis-1,2-Dichloroethene
 Concen: 48.281 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

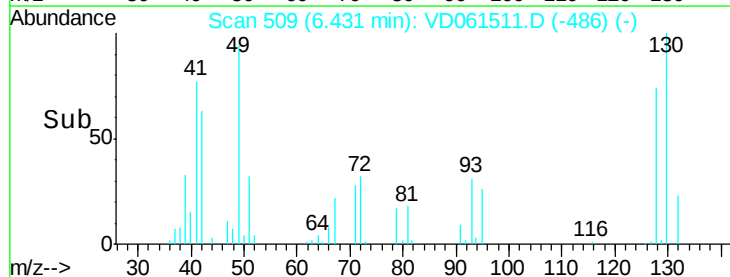
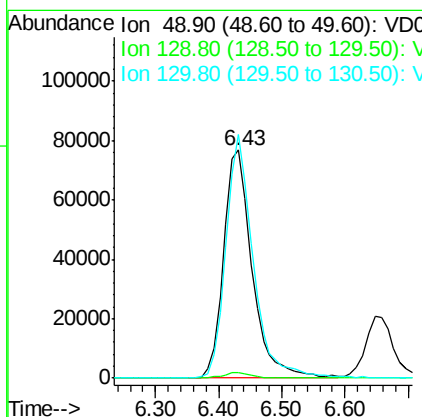
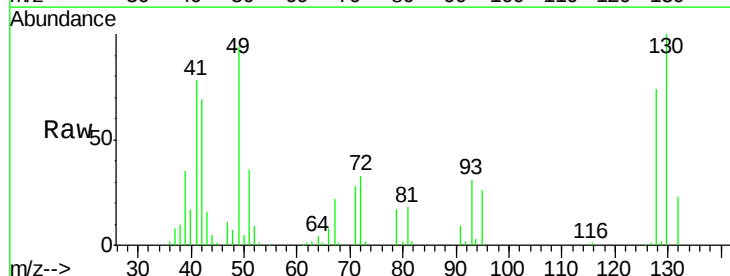
Tot Ion: 96 Resp: 425333
 Ion Ratio Lower Upper
 96 100
 61 133.6 0.0 251.6
 98 64.6 0.0 129.2



#28

Bromochloromethane
 Concen: 46.150 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Tgt Ion: 49 Resp: 240658
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 0.0#
 130 106.9 78.4 117.6

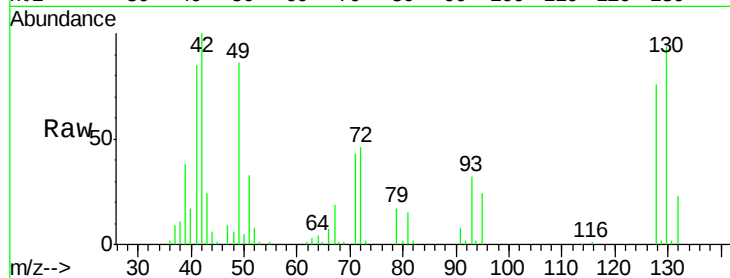




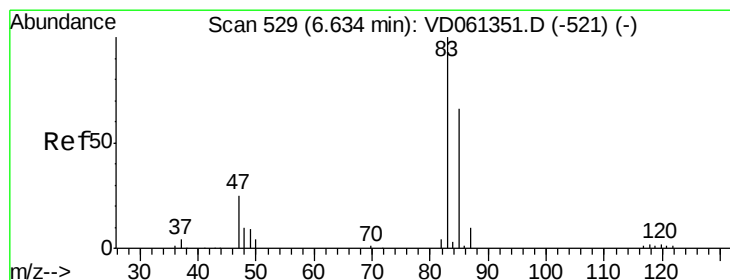
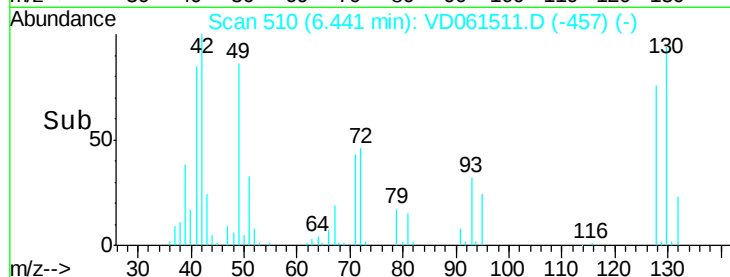
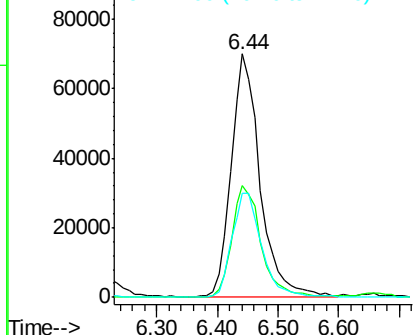
#29
Tetrahydrofuran
Concen: 250.404 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 232619
Ion Ratio Lower Upper
42 100
72 46.3 37.4 56.0
71 43.9 36.7 55.1

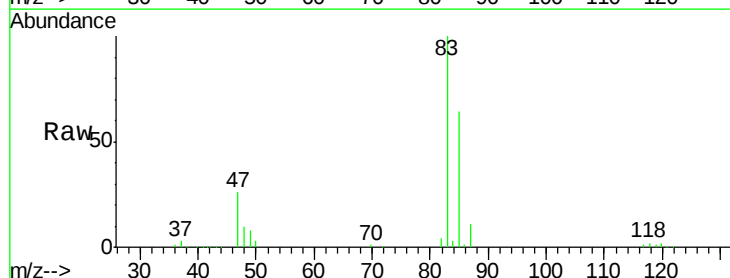


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

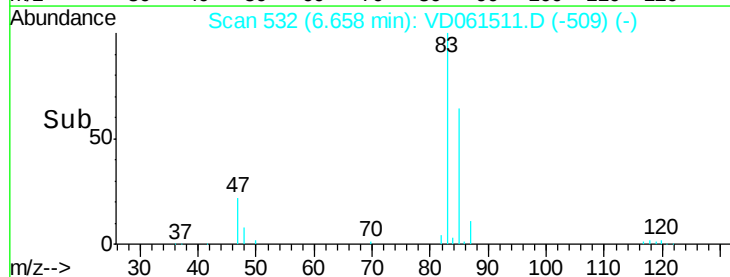
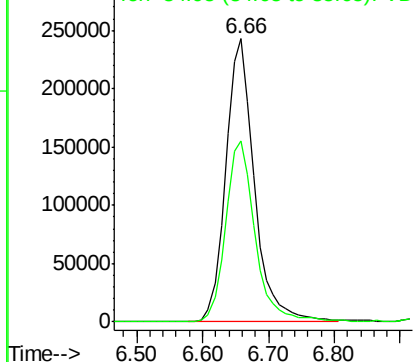


#30
Chloroform
Concen: 55.376 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 83 Resp: 739165
Ion Ratio Lower Upper
83 100
85 63.9 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 52.433 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

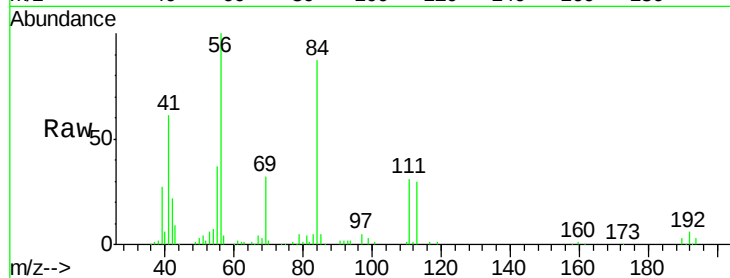
Tot Ion: 56 Resp: 535266

Ion Ratio Lower Upper

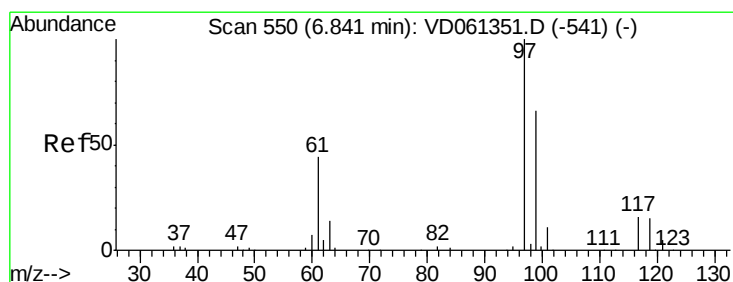
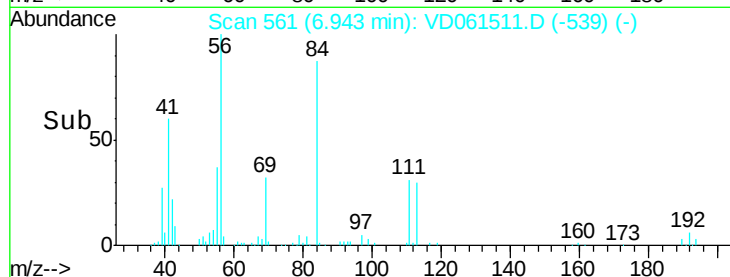
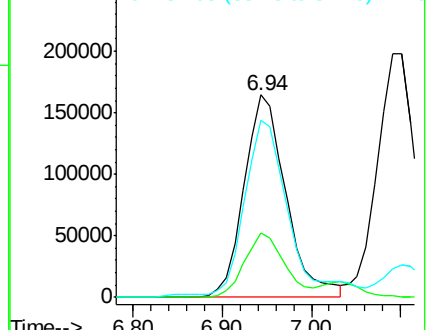
56 100

69 31.8 25.7 38.5

84 87.5 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: 54.554 ug/l

RT: 6.85 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

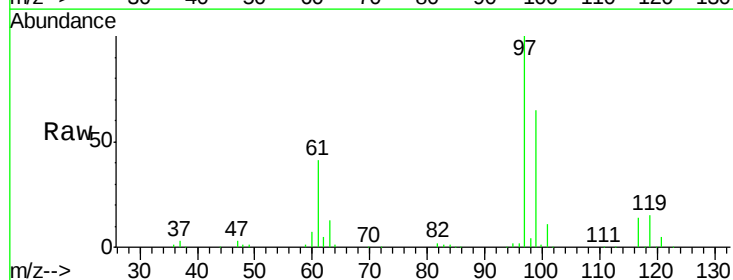
Tgt Ion: 97 Resp: 642424

Ion Ratio Lower Upper

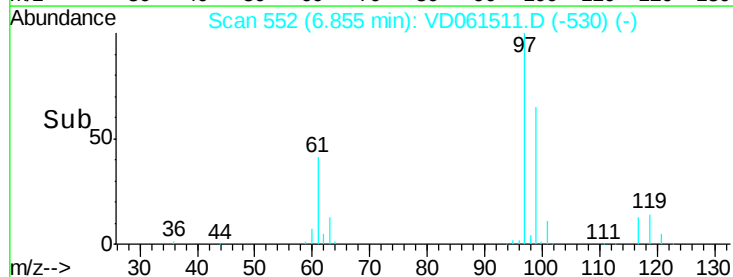
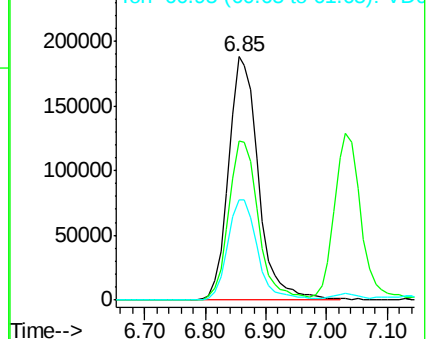
97 100

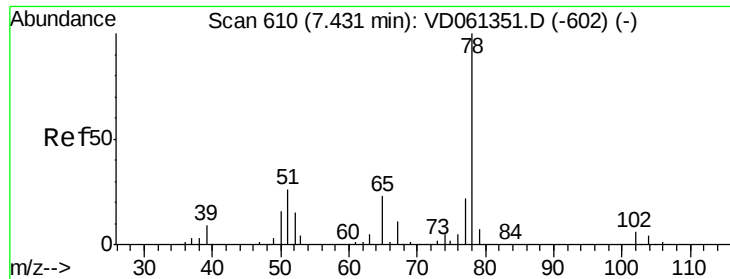
99 65.3 53.1 79.7

61 41.4 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

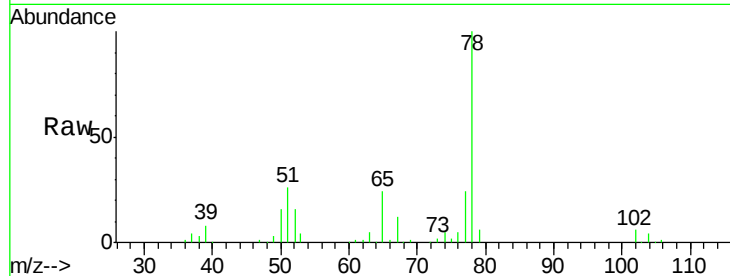




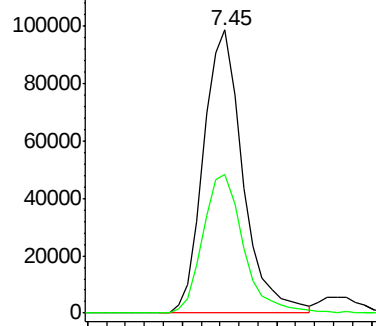
#33
 1,2-Dichloroethane-d4
 Concen: 54.554 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

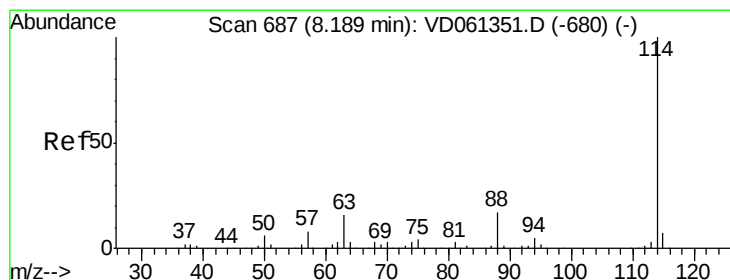
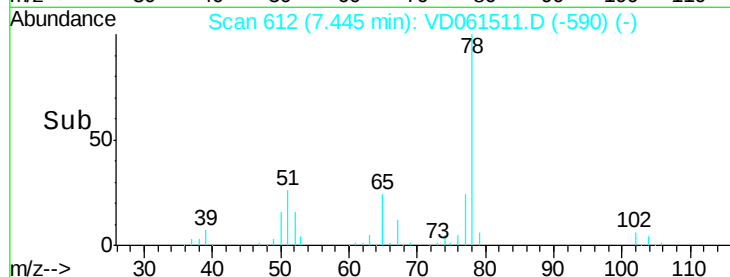
Tot Ion: 65 Resp: 284736
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

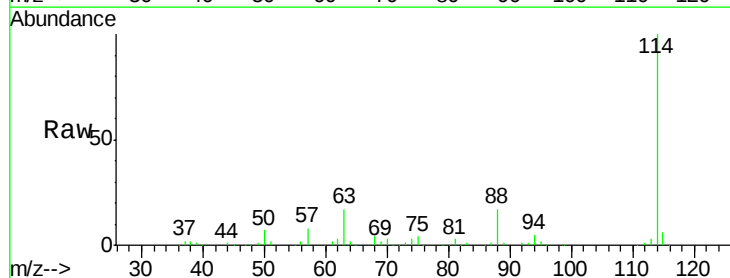


Time--> 7.30 7.40 7.50

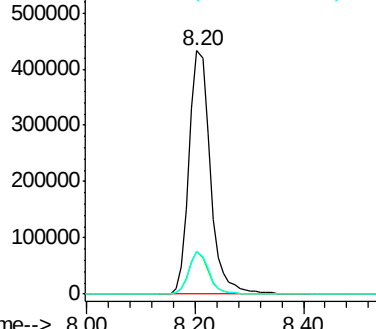


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

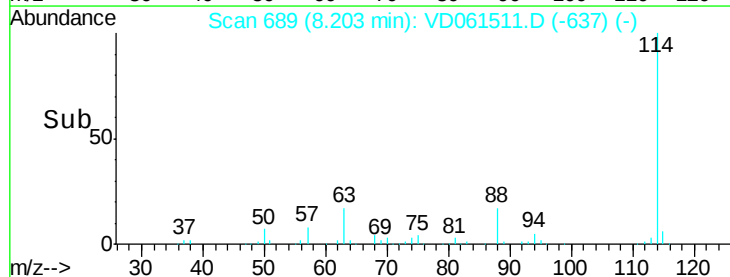
Tgt Ion: 114 Resp: 1180712
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 31.6
 88 17.3 0.0 33.4

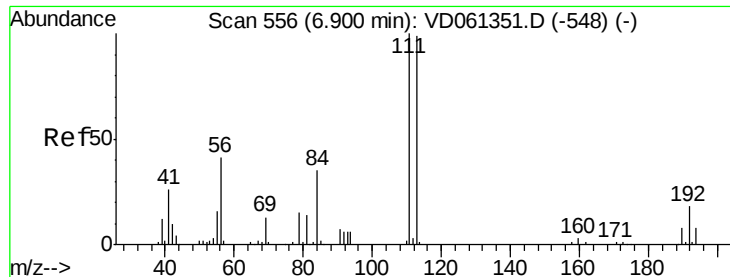


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC



Time--> 8.00 8.20 8.40

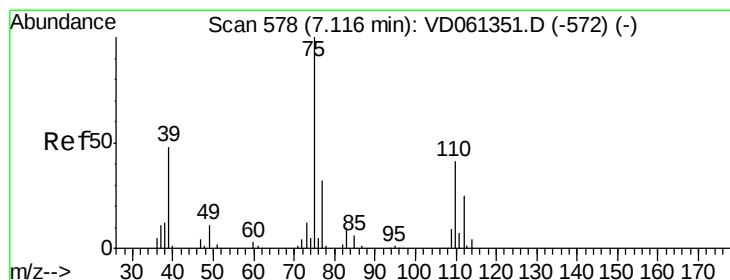
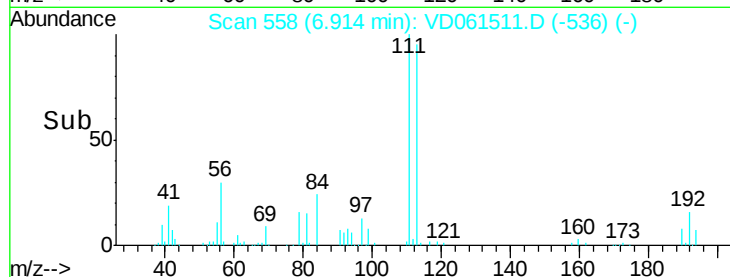
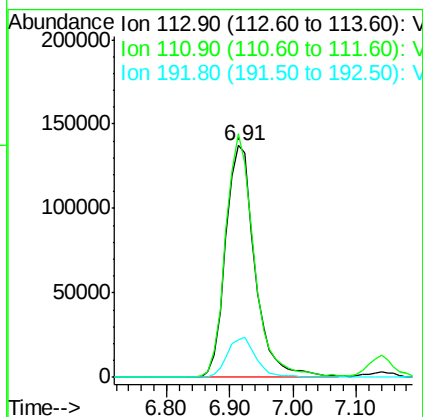
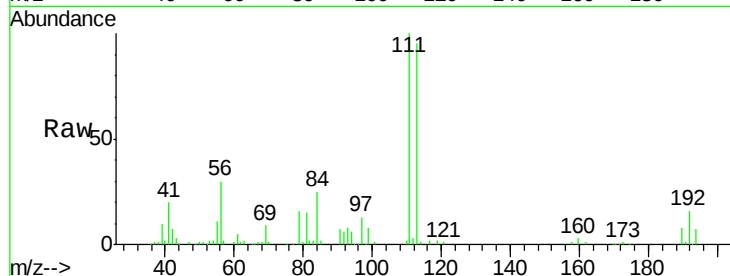




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

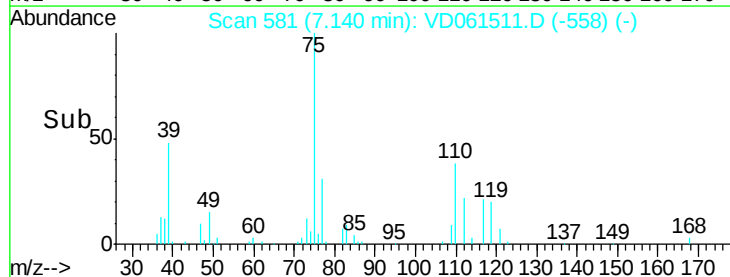
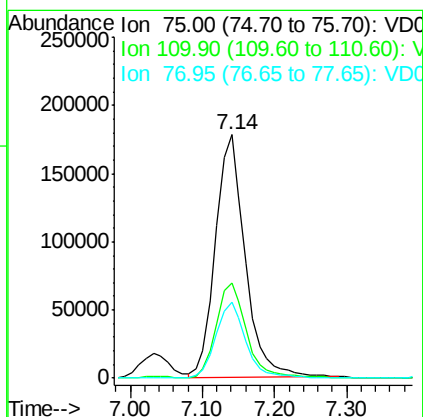
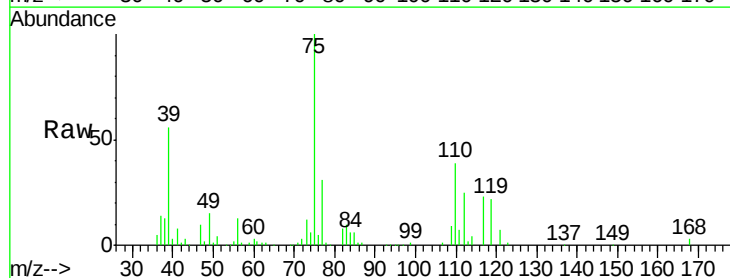
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

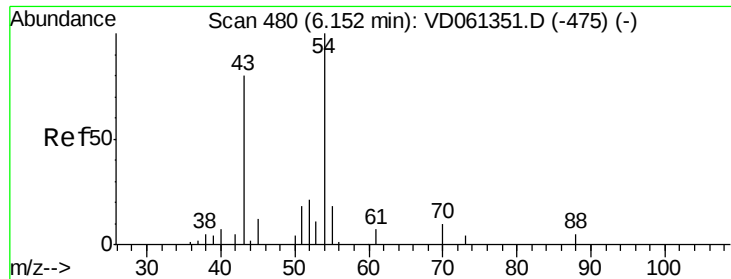
Tot Ion:113 Resp: 442203
Ion Ratio Lower Upper
113 100
111 105.0 81.0 121.6
192 16.3 14.4 21.6



#36
1,1-Dichloropropene
Concen: 49.146 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.02 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 75 Resp: 506448
Ion Ratio Lower Upper
75 100
110 39.2 20.4 61.3
77 31.4 24.9 37.3

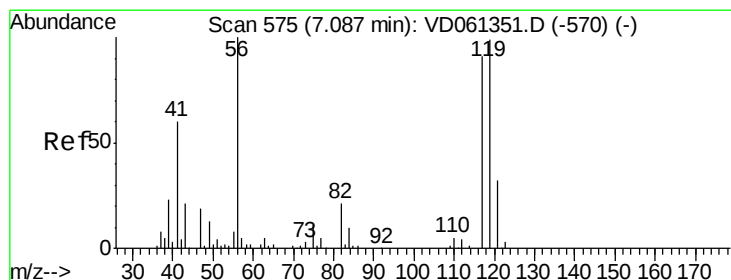
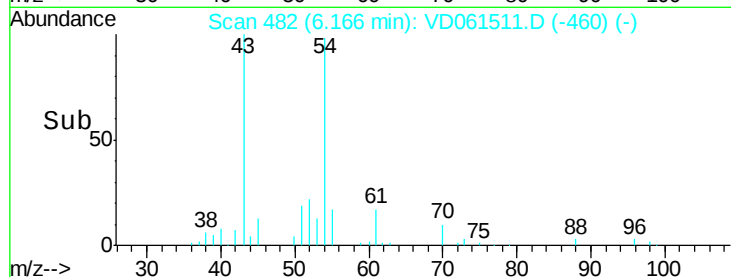
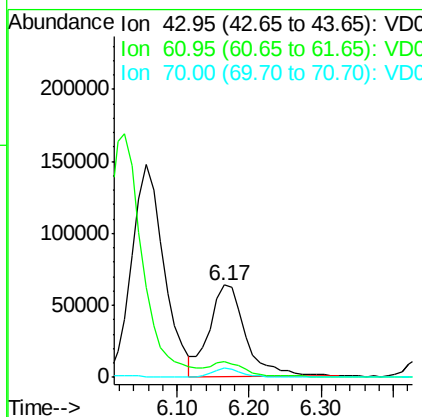
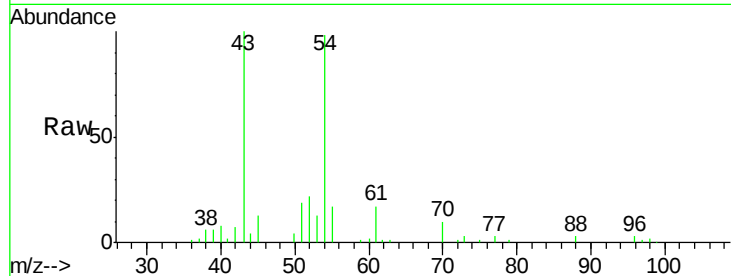




#37
Ethyl Acetate
Concen: 49.501 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

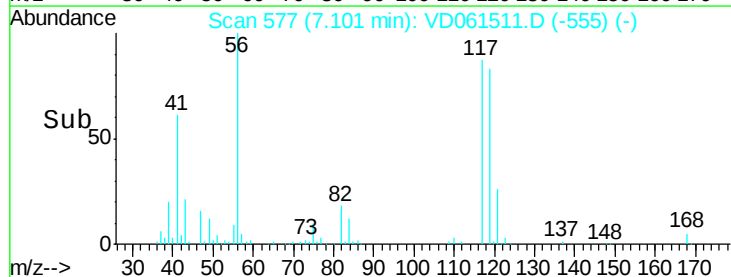
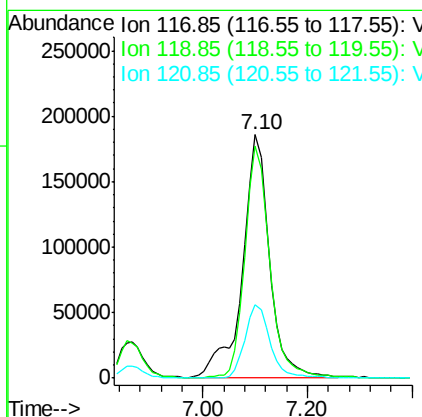
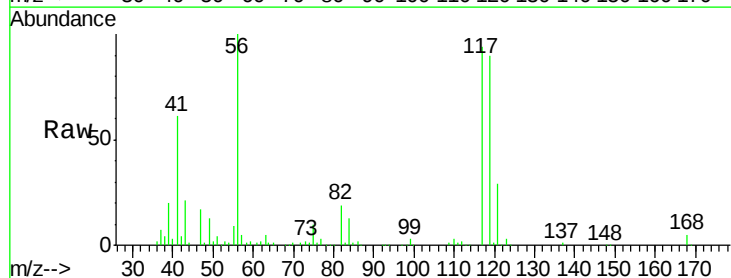
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

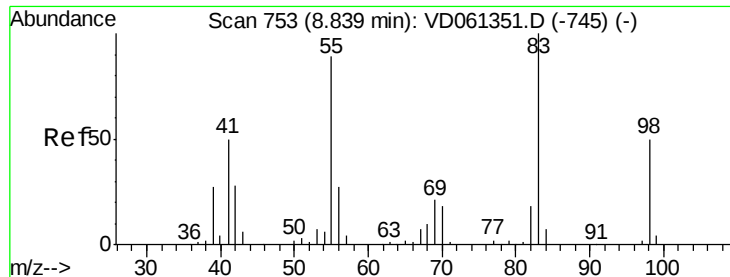
Tot Ion: 43 Resp: 218158
Ion Ratio Lower Upper
43 100
61 17.0 13.8 20.8
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 54.275 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 117 Resp: 642695
Ion Ratio Lower Upper
117 100
119 95.2 80.1 120.1
121 30.3 25.6 38.4

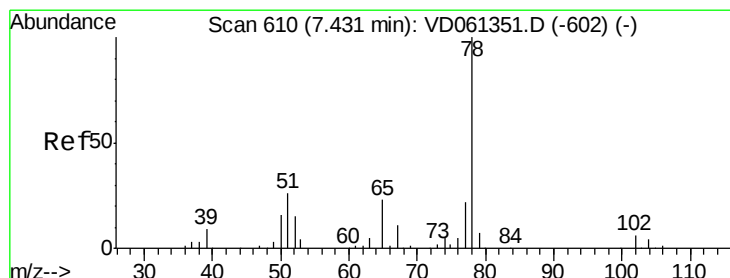
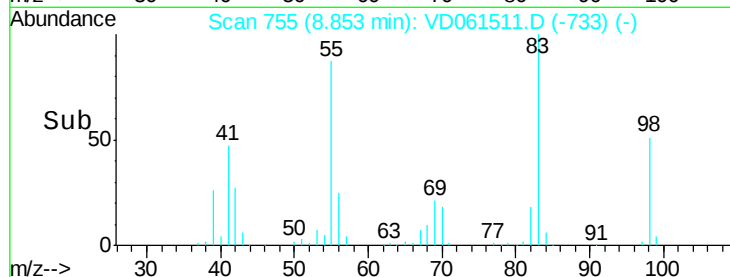
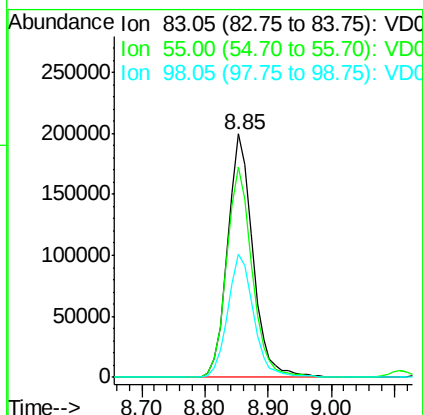
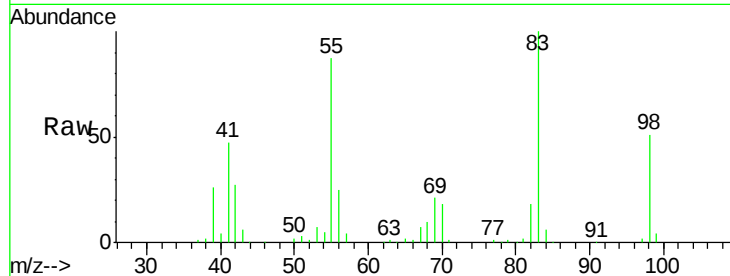




#39
Methvlcvclohexane
Concen: 51.383 ug/l
RT: 8.85 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

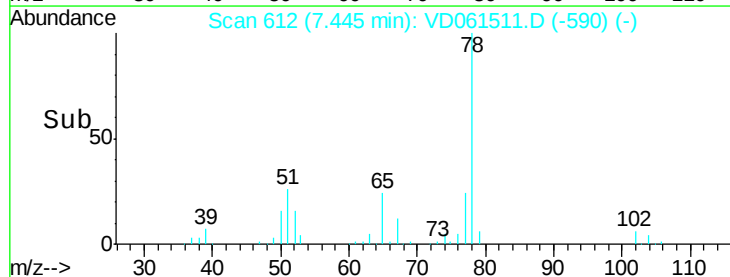
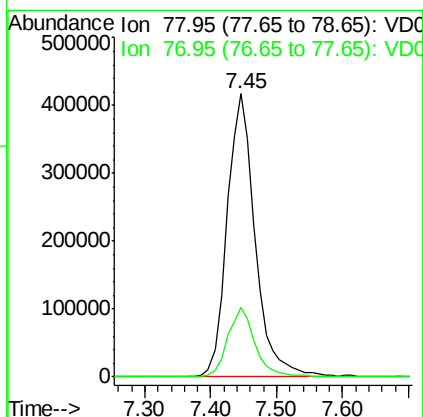
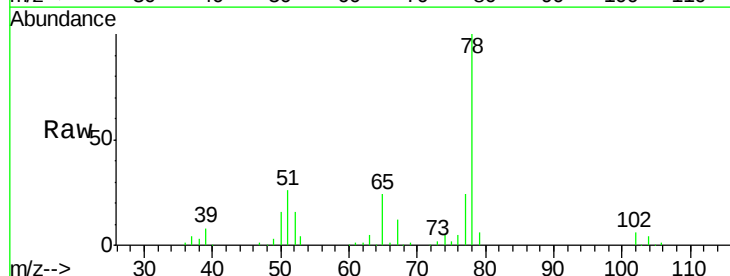
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 551469
Ion Ratio Lower Upper
83 100
55 86.6 71.5 107.3
98 50.6 40.3 60.5



#40
Benzene
Concen: 48.138 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 78 Resp: 1244973
Ion Ratio Lower Upper
78 100
77 24.4 17.8 26.6

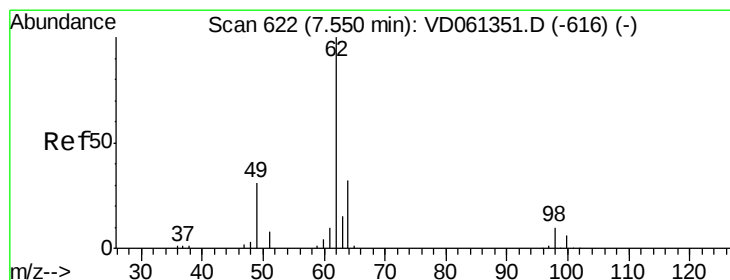
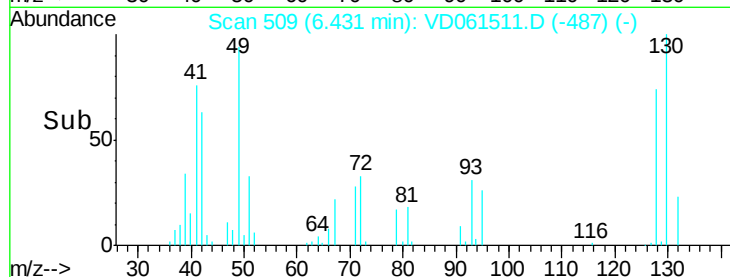
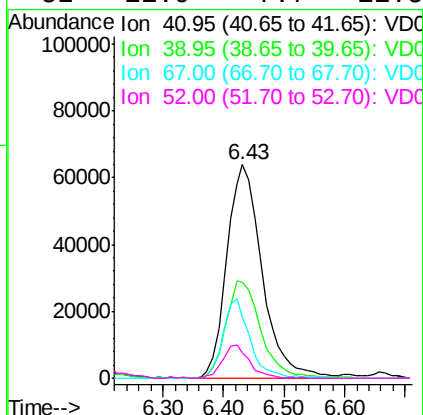
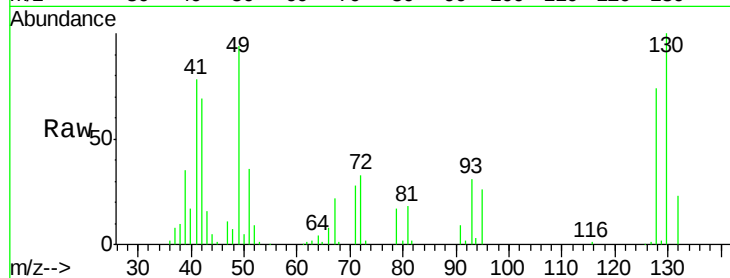




#41
Methacrylonitrile
Concen: 50.240 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

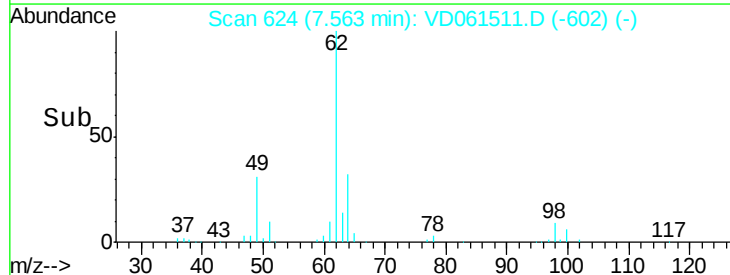
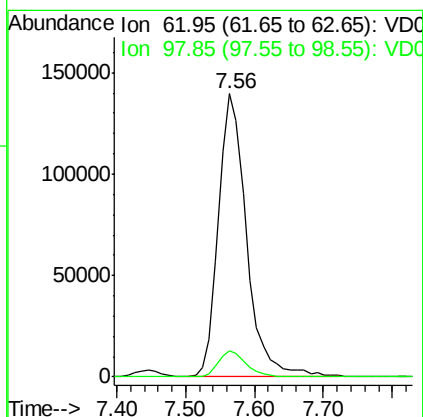
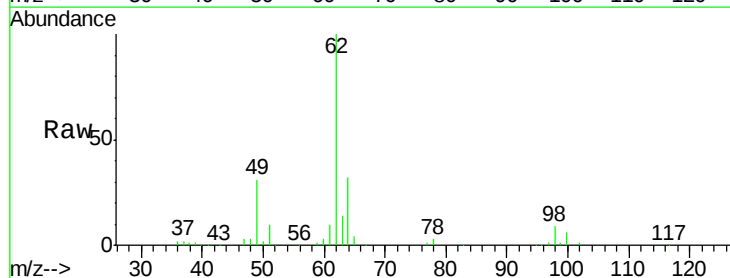
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

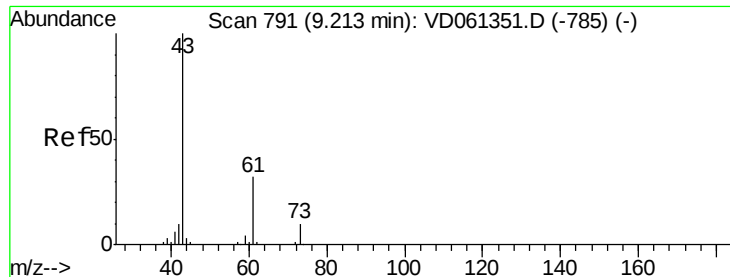
Tot Ion: 41 Resp: 258889
Ion Ratio Lower Upper
41 100
39 45.2 35.0 52.6
67 28.7 21.0 31.6
52 11.9 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 51.265 ug/l
RT: 7.56 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 62 Resp: 396593
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.8



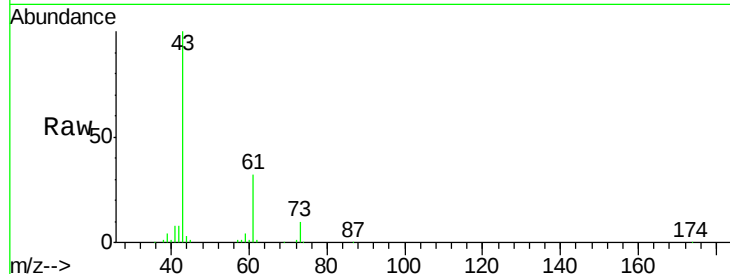


#43

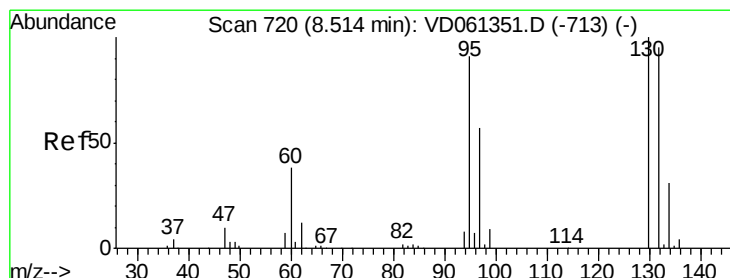
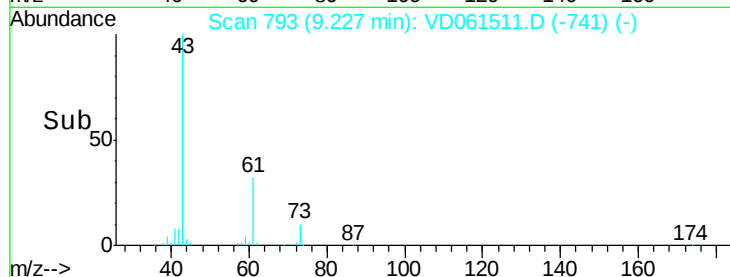
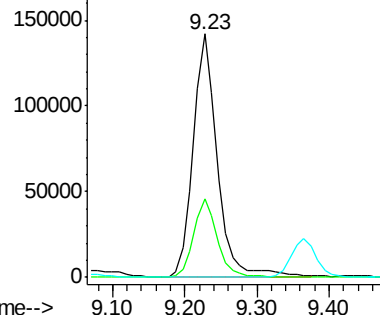
Isopropyl Acetate
 Concen: 51.469 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 330035
 Ion Ratio Lower Upper
 43 100
 61 32.2 25.8 38.6
 87 0.4 0.0 0.0#



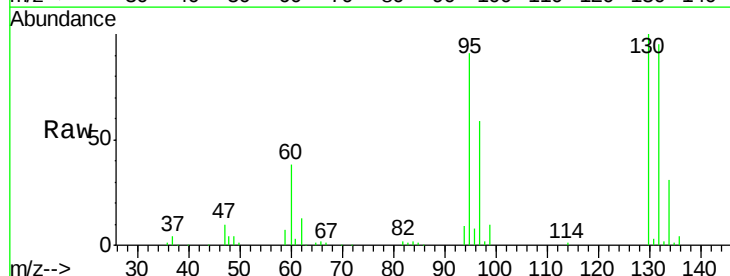
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



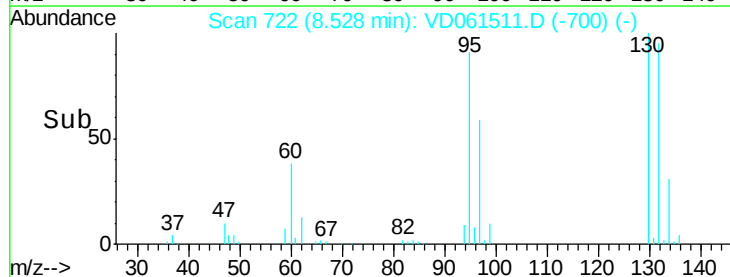
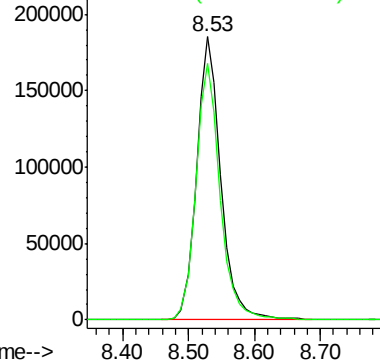
#44

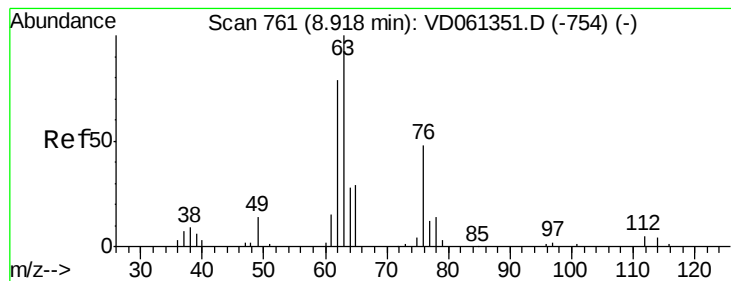
Trichloroethene
 Concen: 49.262 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Tgt Ion: 130 Resp: 474132
 Ion Ratio Lower Upper
 130 100
 95 90.6 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 54.182 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

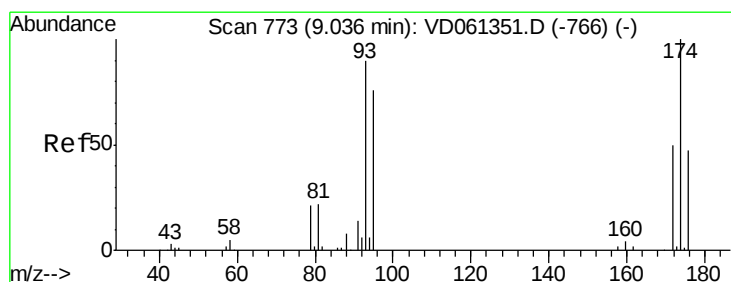
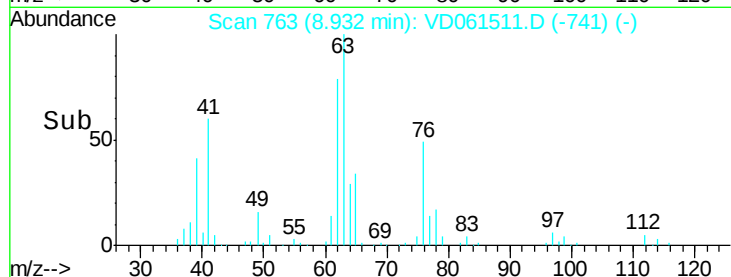
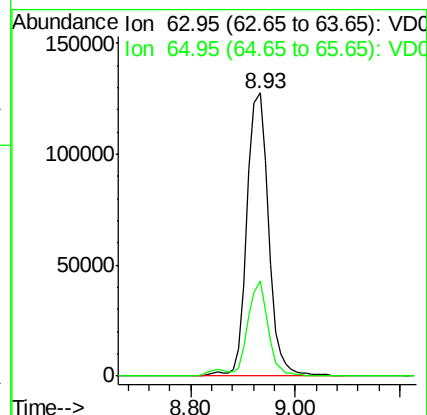
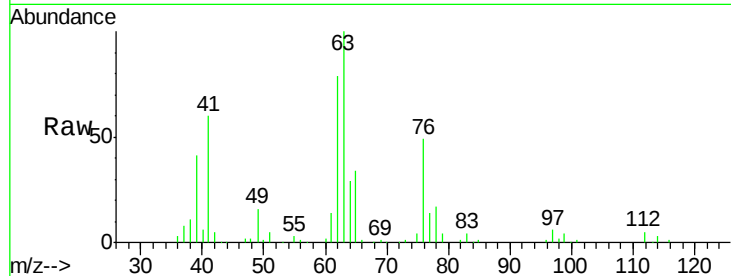
VSTDCCC050

Tot Ion: 63 Resp: 355323

Ion Ratio Lower Upper

63 100

65 33.7 25.0 37.4



#46

Dibromomethane

Concen: 50.623 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

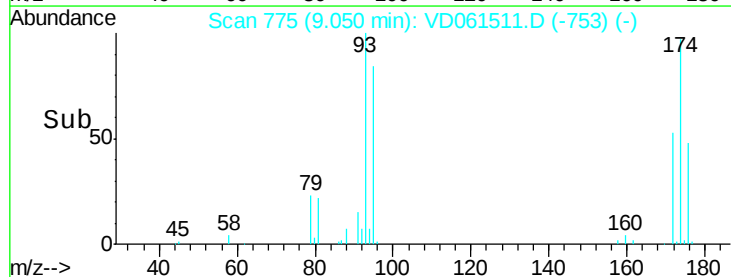
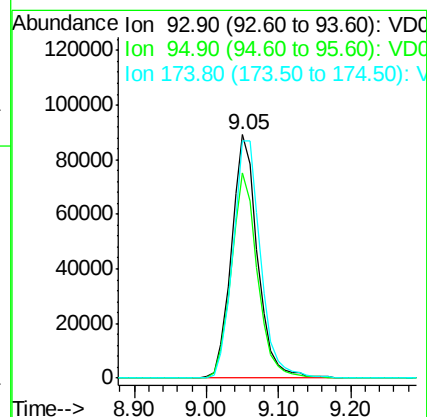
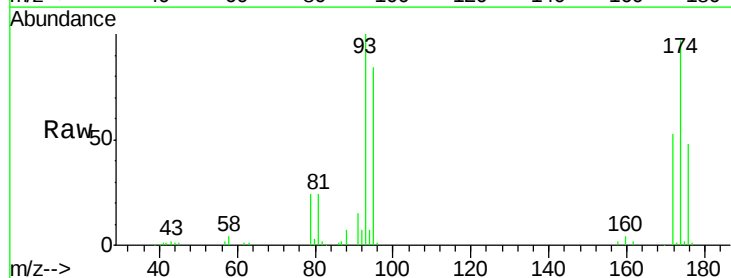
Tgt Ion: 93 Resp: 223451

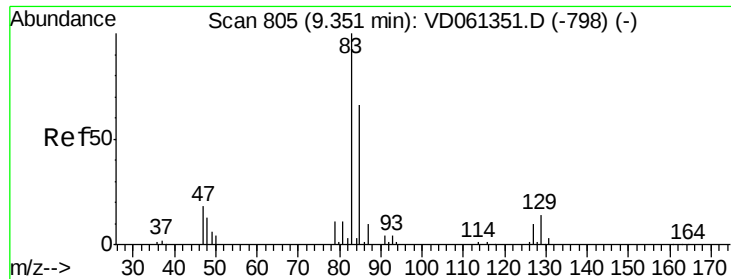
Ion Ratio Lower Upper

93 100

95 84.4 67.4 101.0

174 97.4 88.9 133.3





#47

Bromodichloromethane

Concen: 55.955 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

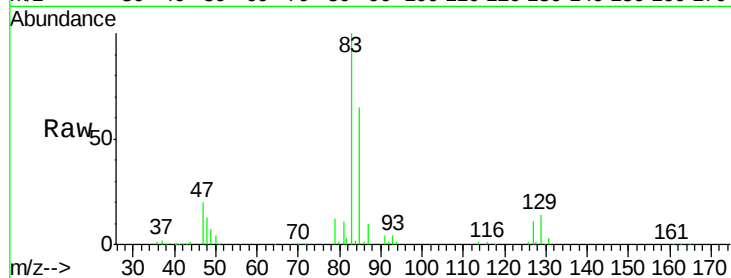
Tot Ion: 83 Resp: 554352

Ion Ratio Lower Upper

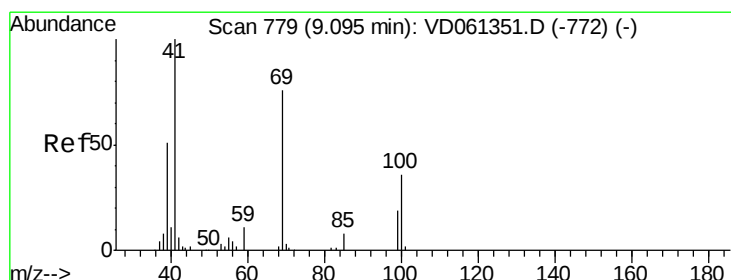
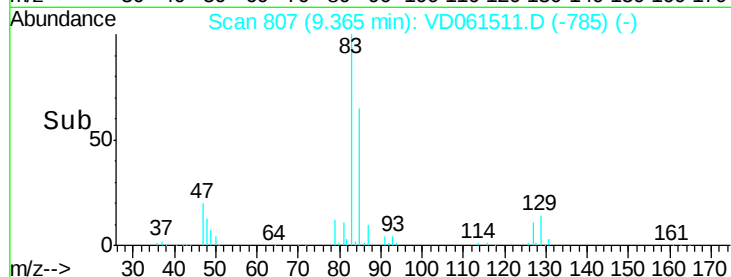
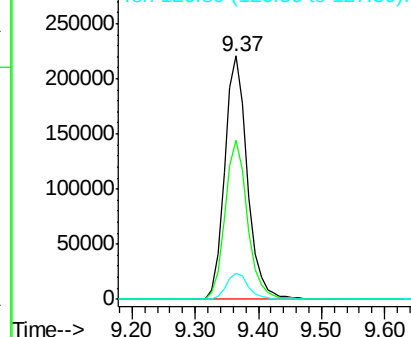
83 100

85 65.5 53.0 79.4

127 10.5 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): V



#48

Methyl methacrylate

Concen: 53.071 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

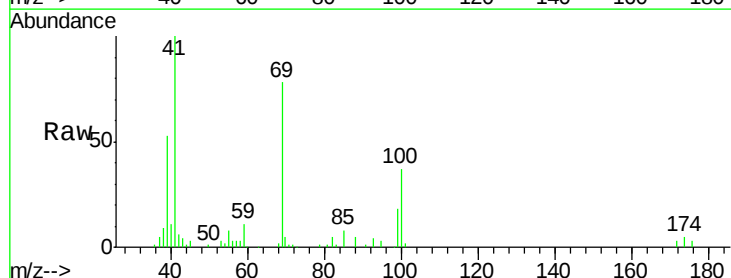
Tgt Ion: 41 Resp: 187814

Ion Ratio Lower Upper

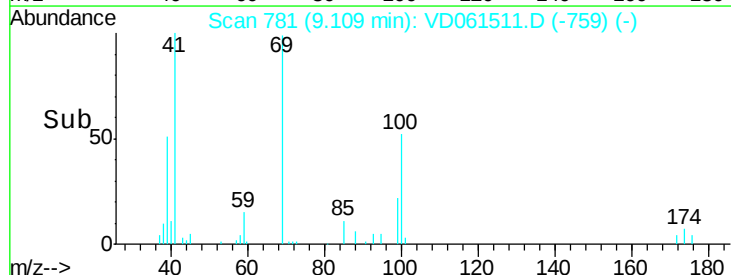
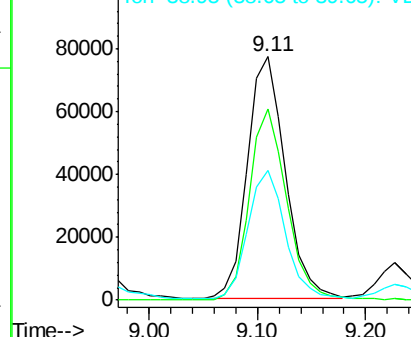
41 100

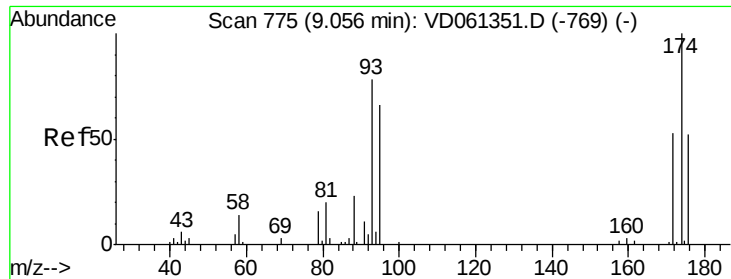
69 78.4 60.2 90.4

39 53.3 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

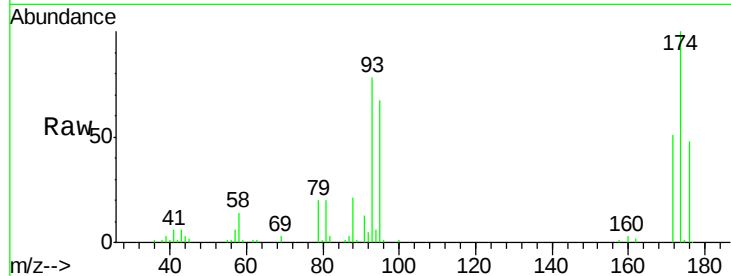




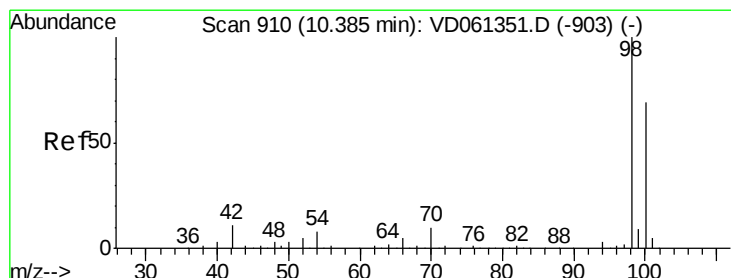
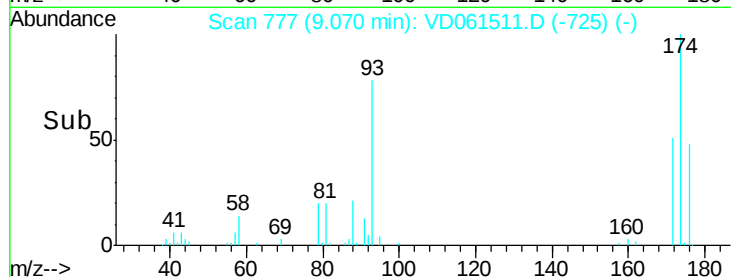
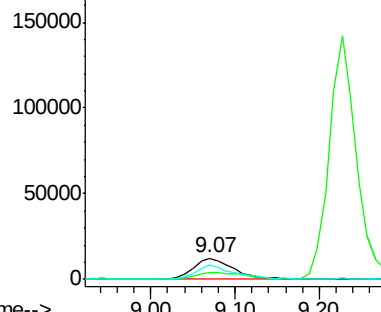
#49
1,4-Dioxane
Concen: 1039.969 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 40594
Ion Ratio Lower Upper
88 100
43 29.3 23.3 34.9
58 67.3 50.8 76.2

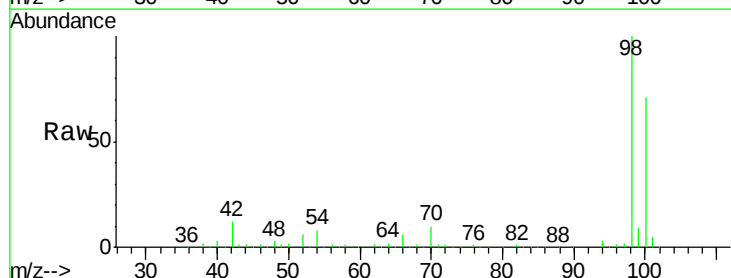


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

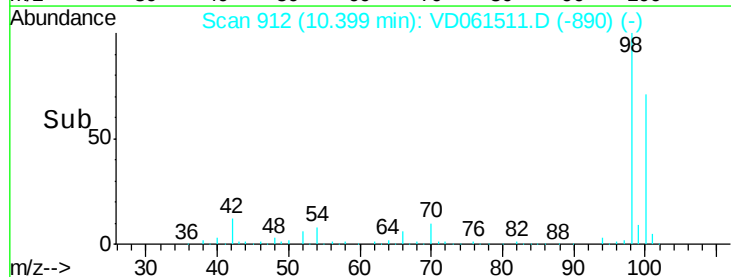
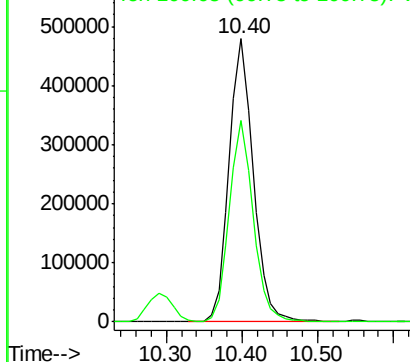


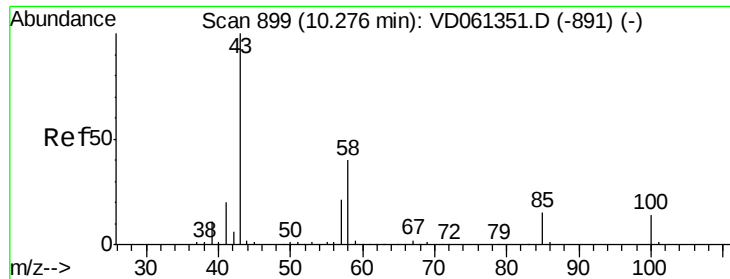
#50
Toluene-d8
Concen: 1039.969 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 98 Resp: 1063901
Ion Ratio Lower Upper
98 100
100 71.4 56.2 84.2



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

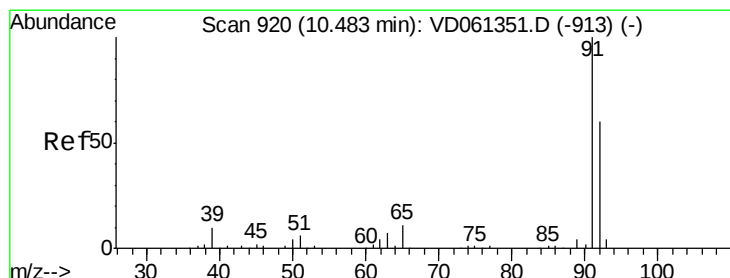
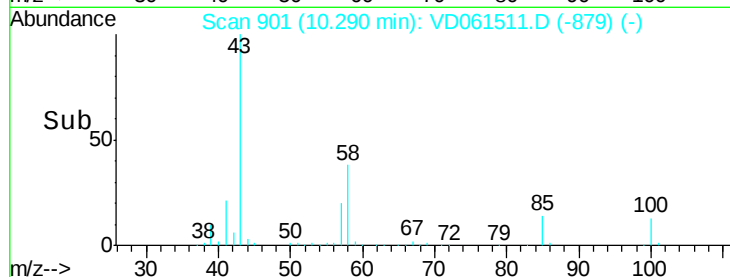
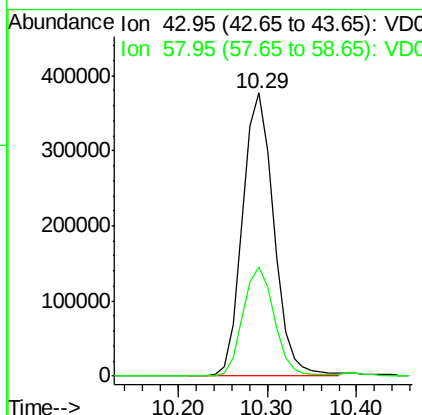
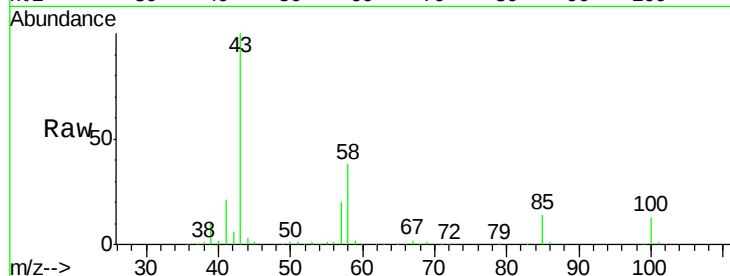




#51
4-Methyl-2-Pentanone
Concen: 234.942 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

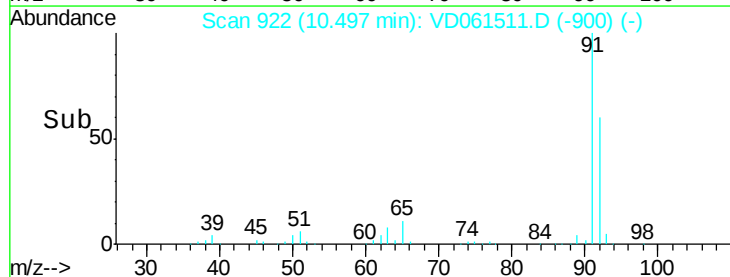
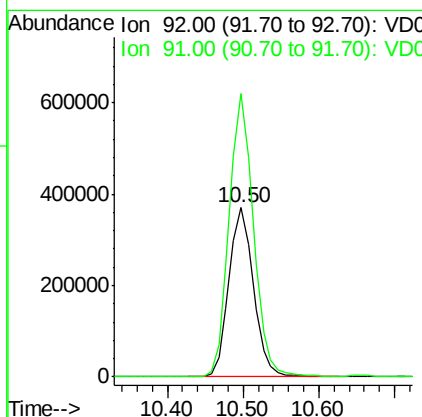
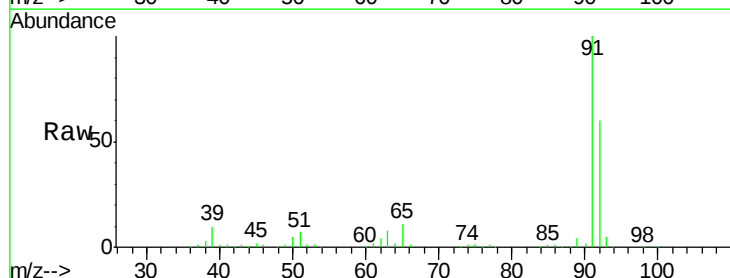
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

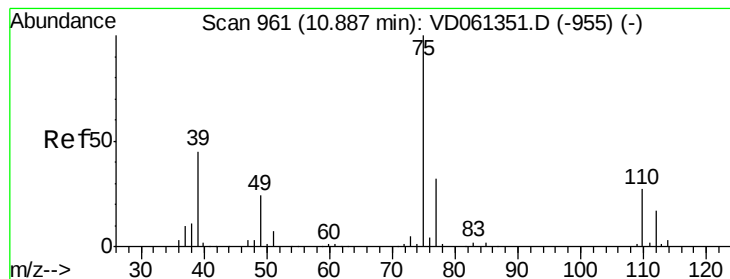
Tot Ion: 43 Resp: 916563
Ion Ratio Lower Upper
43 100
58 38.4 31.8 47.8



#52
Toluene
Concen: 52.821 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 92 Resp: 833411
Ion Ratio Lower Upper
92 100
91 167.6 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 52.294 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

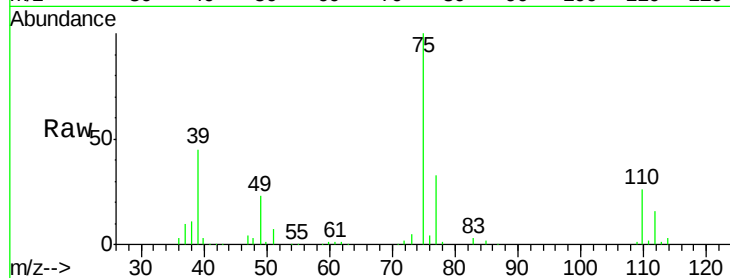
VSTDCCC050

Tot Ion: 75 Resp: 470702

Ion Ratio Lower Upper

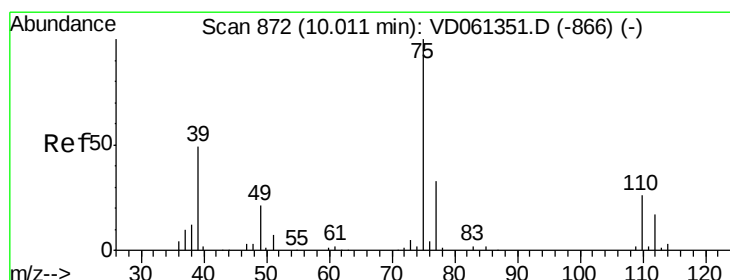
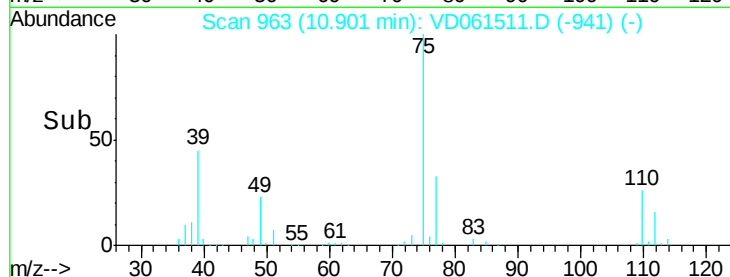
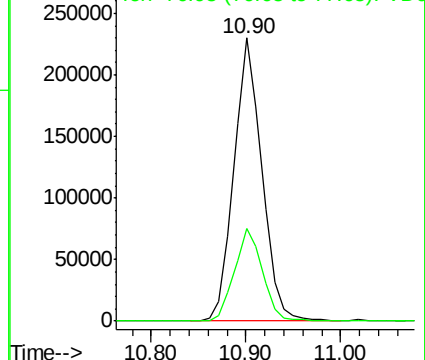
75 100

77 32.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.195 ug/l

RT: 10.02 min Scan# 874

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

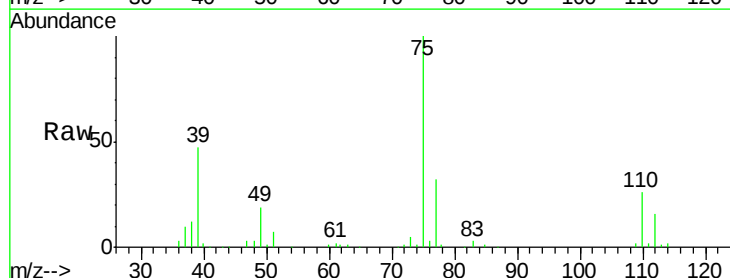
Tgt Ion: 75 Resp: 550150

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4

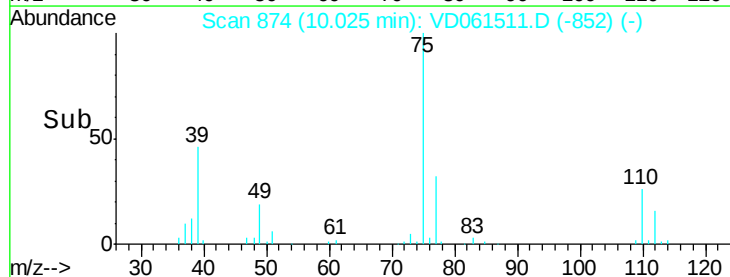
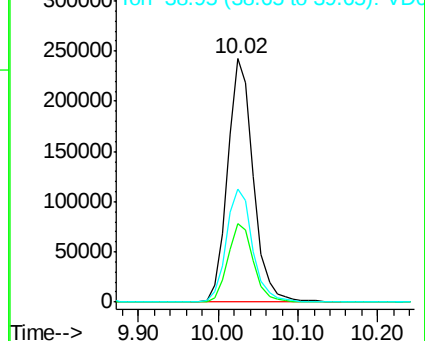
39 46.5 39.4 59.0

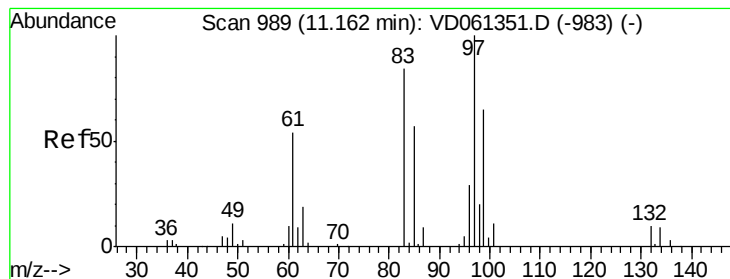


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 51.551 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 284455

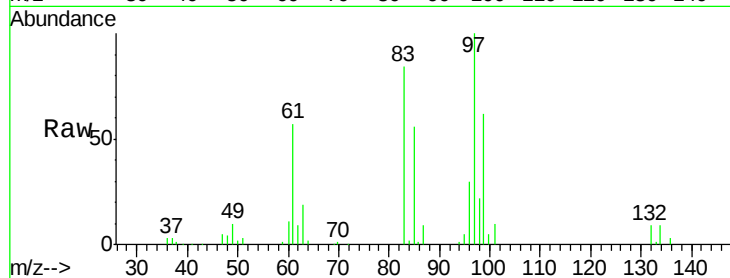
Ion Ratio Lower Upper

97 100

83 84.0 67.0 100.6

85 56.0 45.4 68.2

99 62.0 51.9 77.9

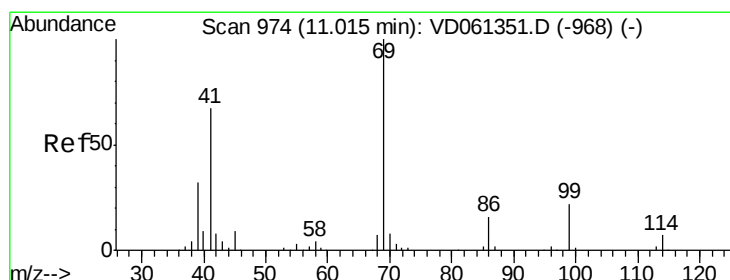
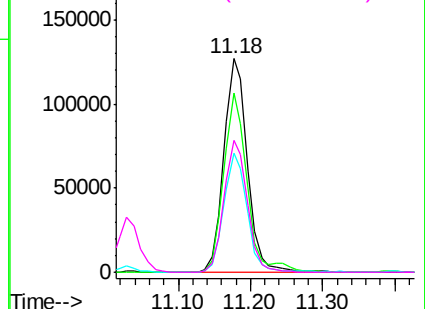
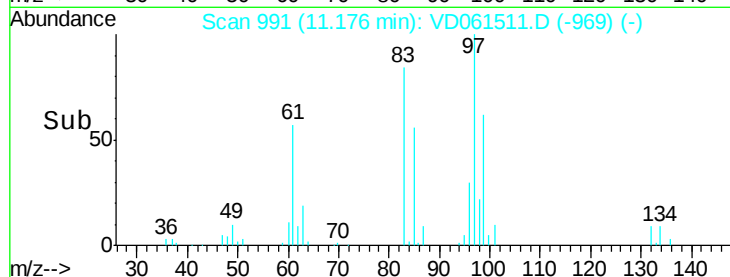


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 50.645 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

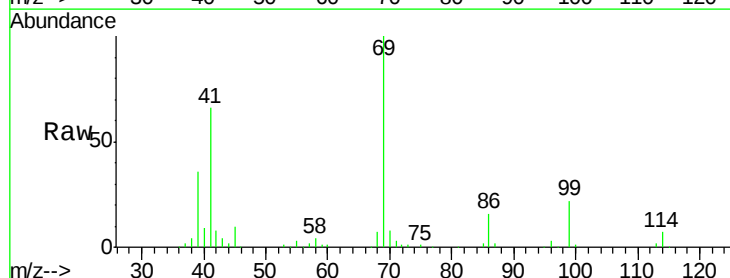
Tgt Ion: 69 Resp: 300215

Ion Ratio Lower Upper

69 100

41 66.3 53.8 80.6

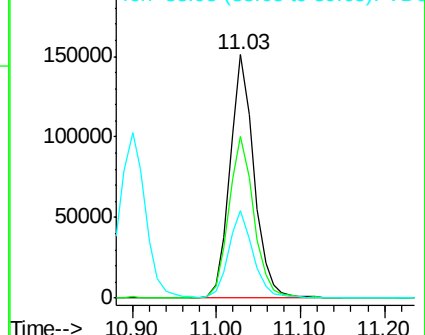
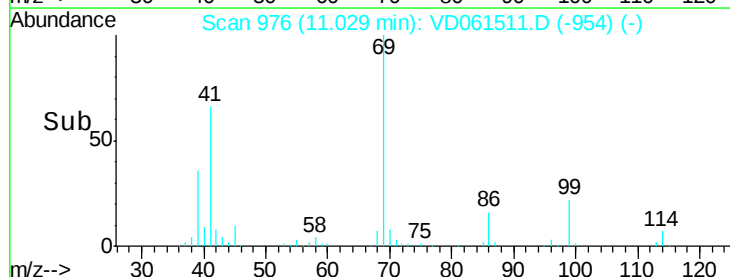
39 35.7 26.4 39.6

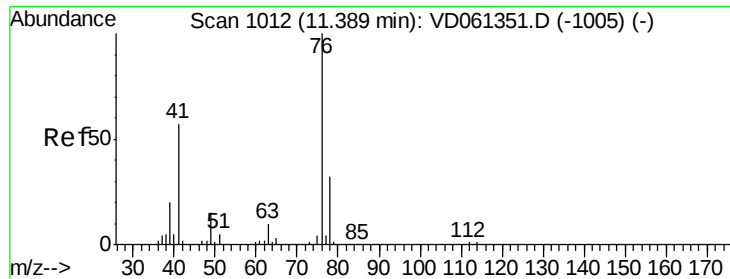


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.820 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

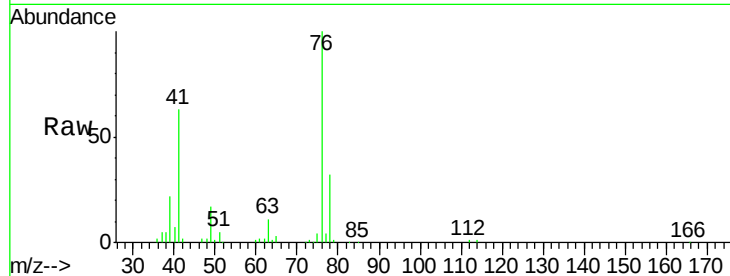
VSTDCCC050

Tot Ion: 76 Resp: 404057

Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

200000

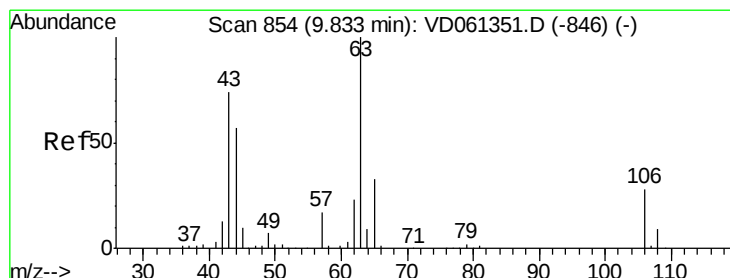
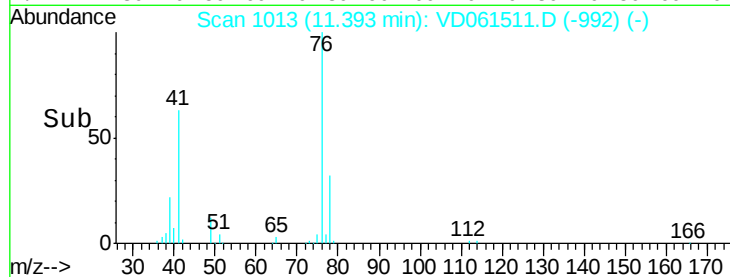
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 239.996 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD061511.D

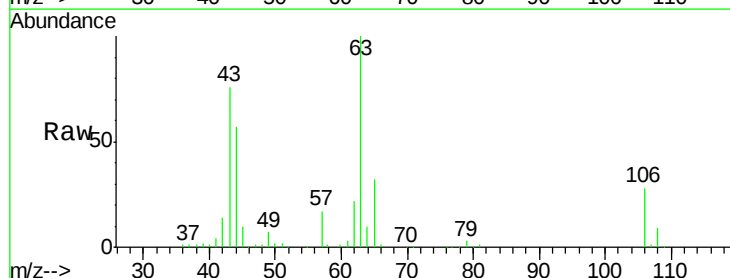
Acq: 2 Apr 2019 13:24

Tgt Ion: 63 Resp: 692819

Ion Ratio Lower Upper

63 100

106 27.9 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

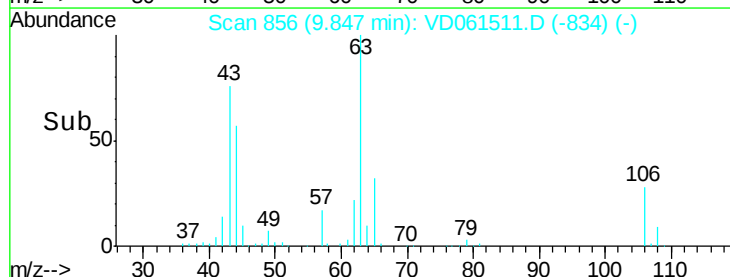
300000

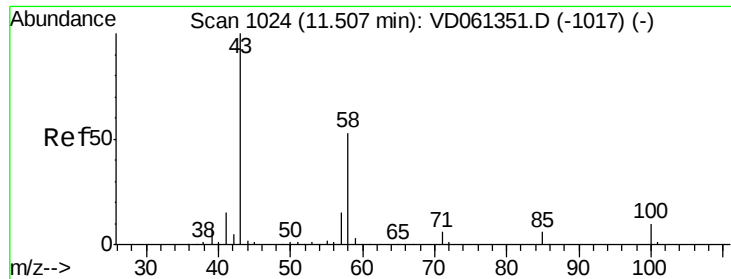
200000

100000

0

Time-->

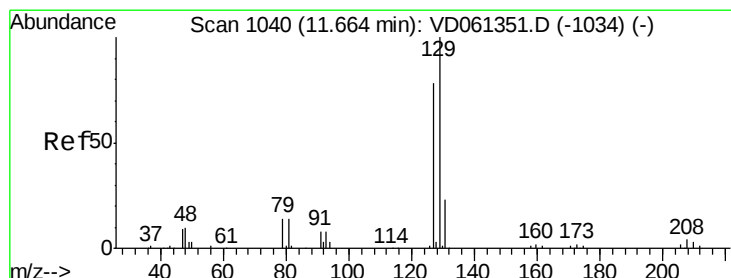
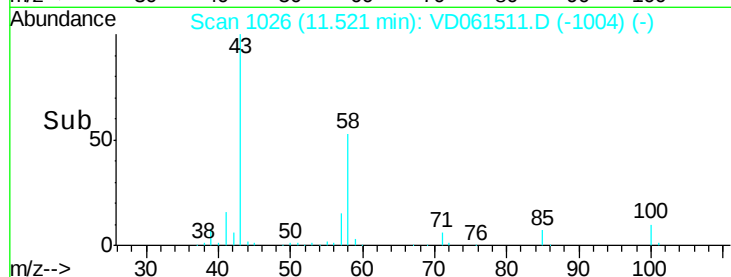
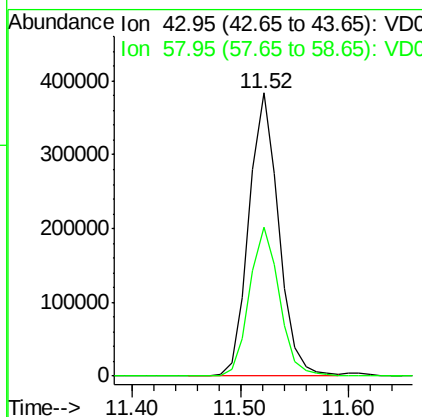
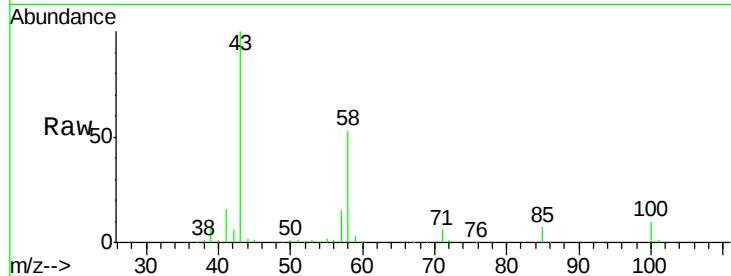




#59
2-Hexanone
Concen: 261.010 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

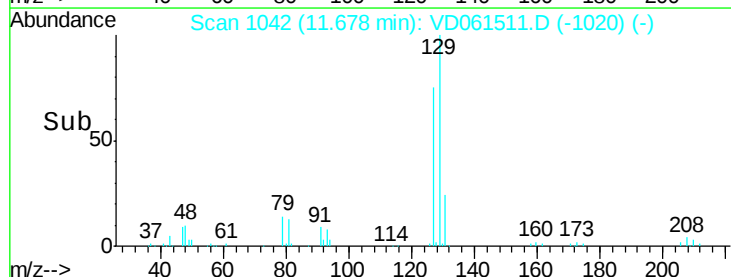
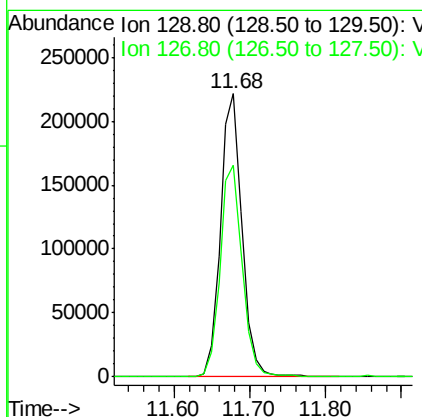
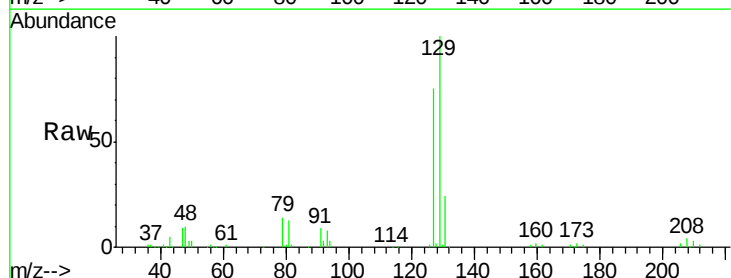
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

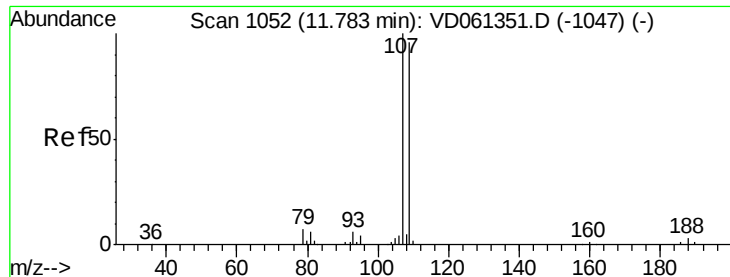
Tot Ion: 43 Resp: 737761
Ion Ratio Lower Upper
43 100
58 52.8 26.3 78.9



#60
Dibromochloromethane
Concen: 51.384 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 129 Resp: 437099
Ion Ratio Lower Upper
129 100
127 74.7 39.0 116.9

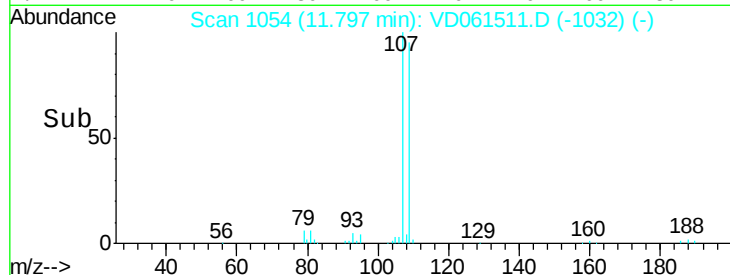
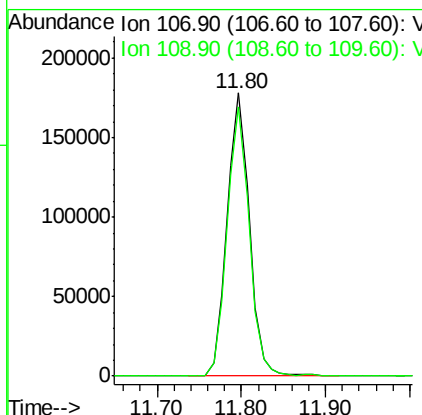
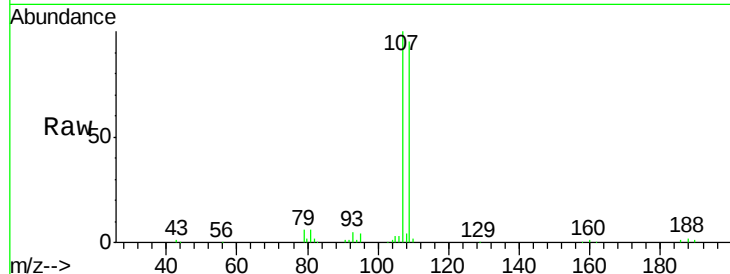




#61
 1,2-Dibromoethane
 Concen: 51.369 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

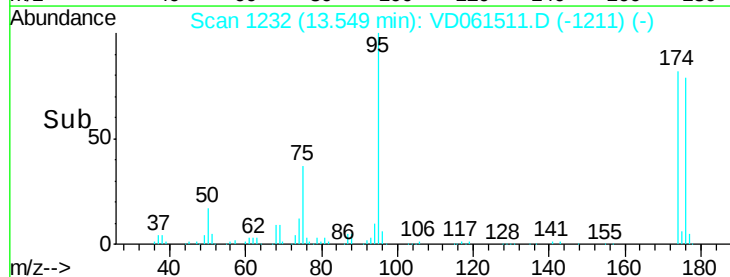
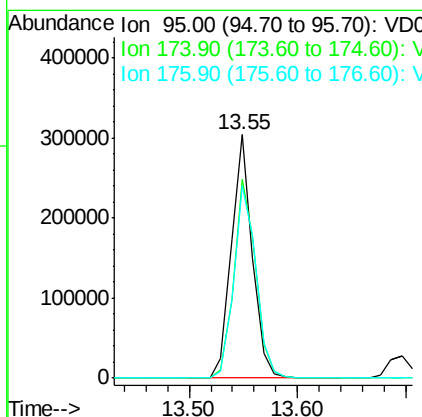
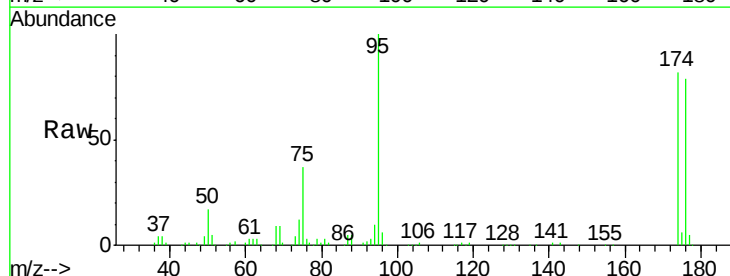
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 328226
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 51.369 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Tgt Ion: 95 Resp: 408153
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 178.0
 176 79.2 0.0 175.0

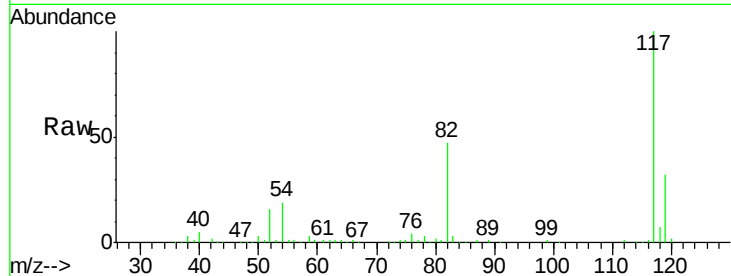




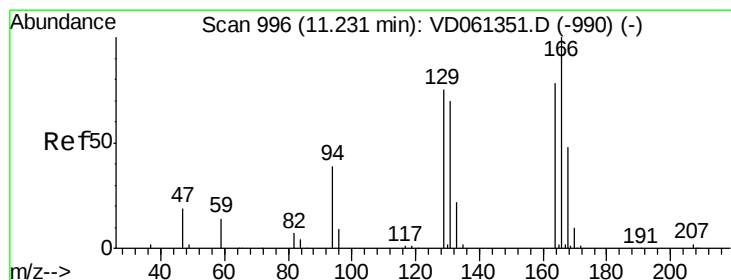
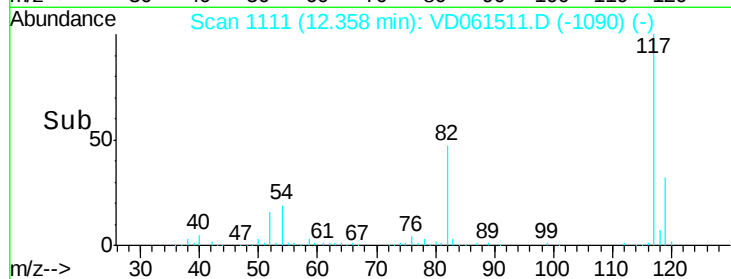
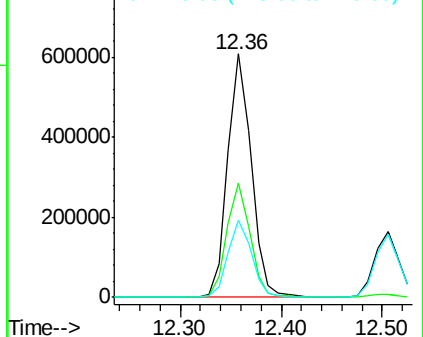
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 988543
Ion Ratio Lower Upper
117 100
82 46.8 34.4 51.6
119 31.8 25.8 38.6

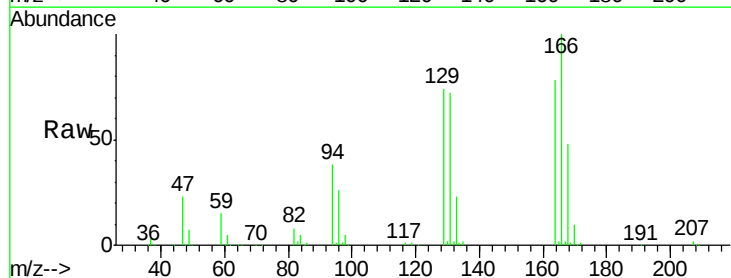


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

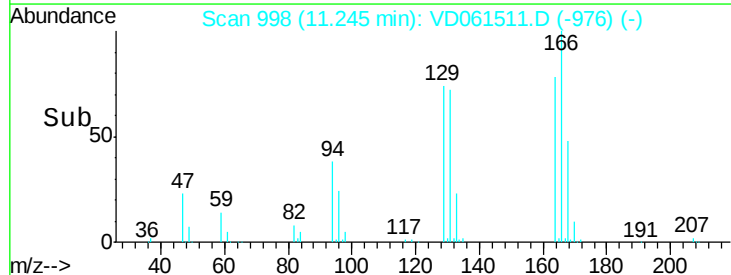
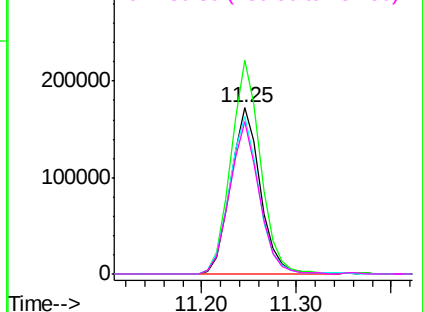


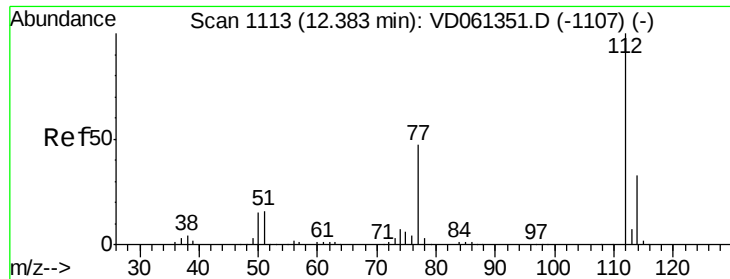
#64
Tetrachloroethene
Concen: 48.337 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion:164 Resp: 375009
Ion Ratio Lower Upper
164 100
166 128.7 102.4 153.6
129 95.1 76.8 115.2
131 92.2 71.8 107.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

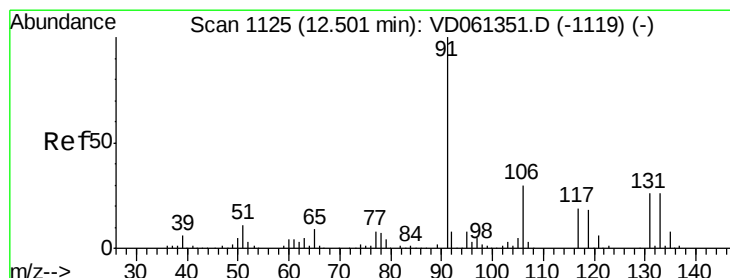
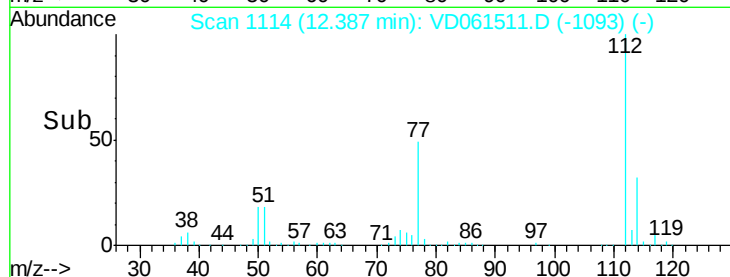
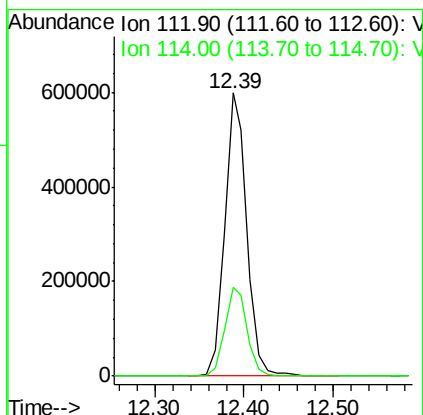
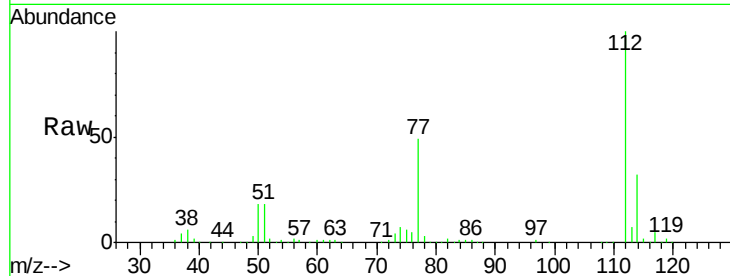




#65
Chlorobenzene
Concen: 51.332 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

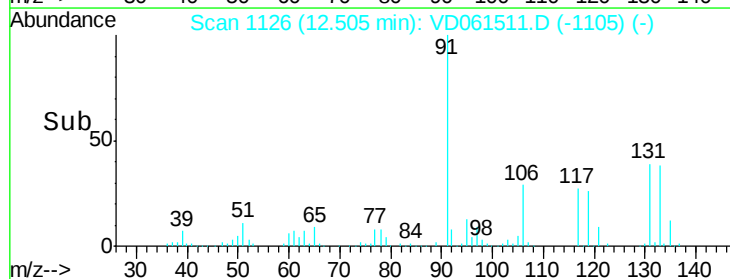
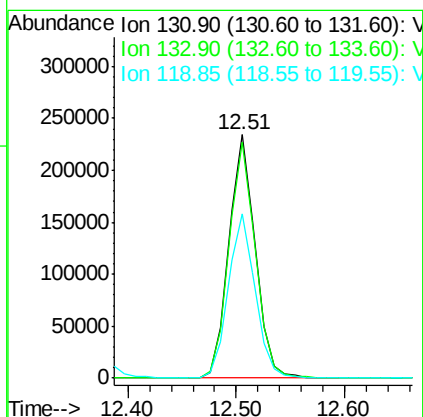
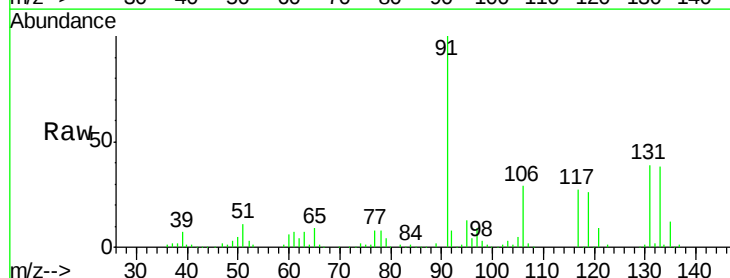
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1037039
Ion Ratio Lower Upper
112 100
114 31.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.806 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion:131 Resp: 397413
Ion Ratio Lower Upper
131 100
133 97.1 49.4 148.2
119 67.7 34.1 102.2

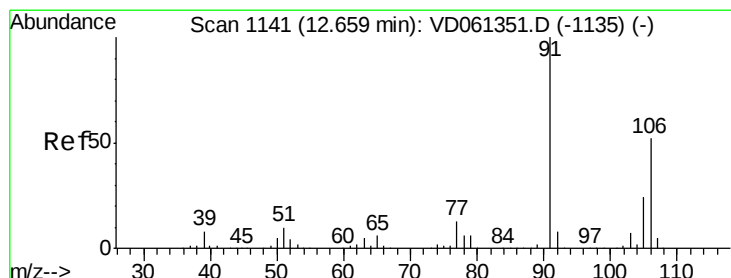
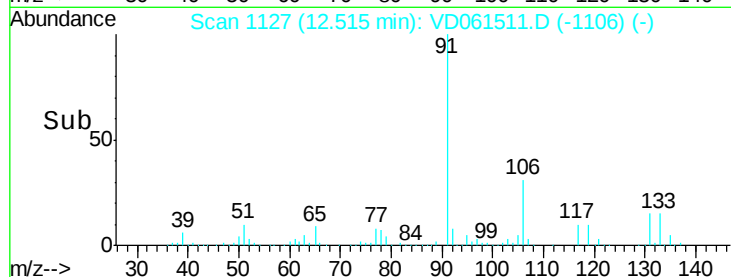
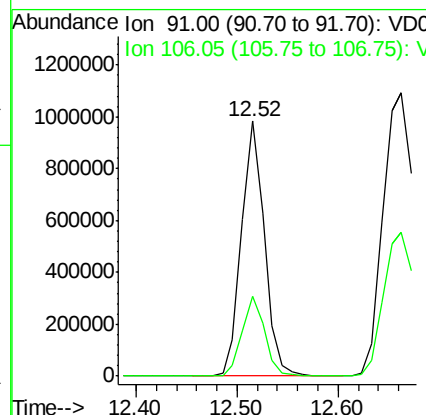
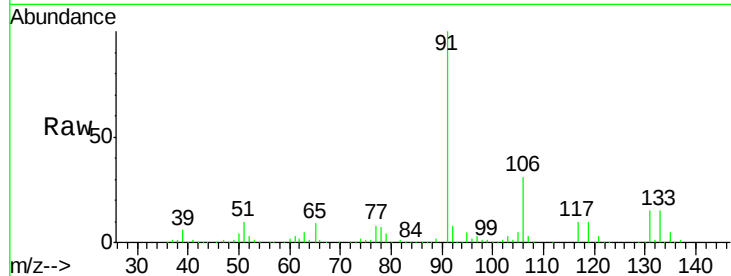




#67
Ethvl Benzene
Concen: 50.486 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

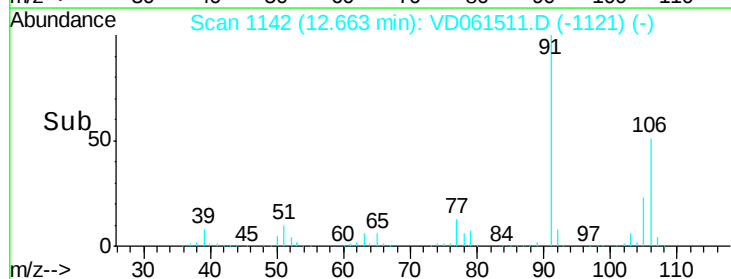
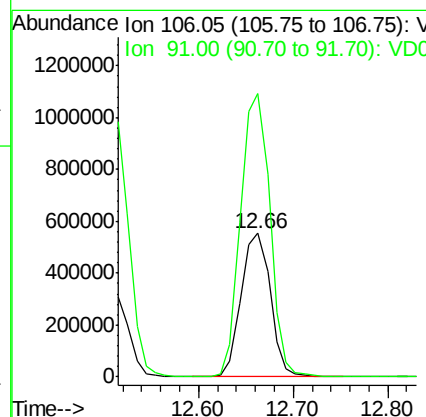
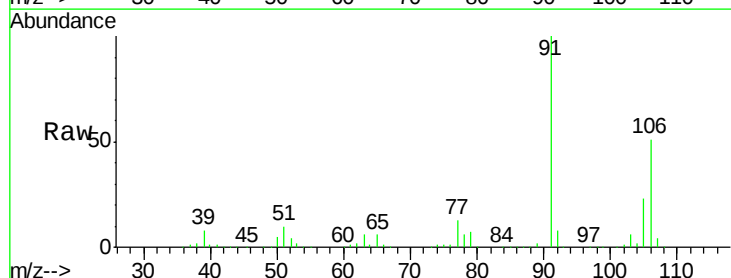
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1556822
Ion Ratio Lower Upper
91 100
106 31.2 26.1 39.1



#68
m/p-Xylenes
Concen: 101.346 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion:106 Resp: 1183825
Ion Ratio Lower Upper
106 100
91 197.3 153.1 229.7

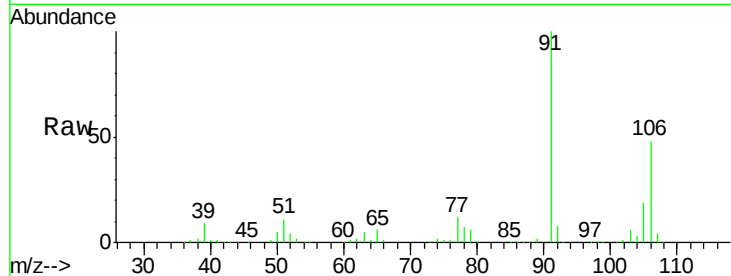




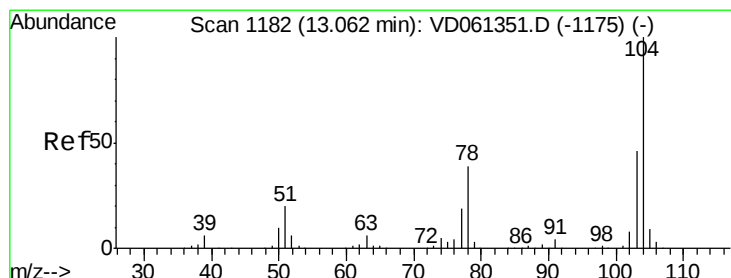
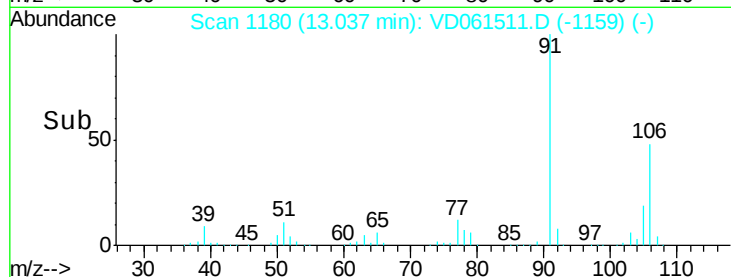
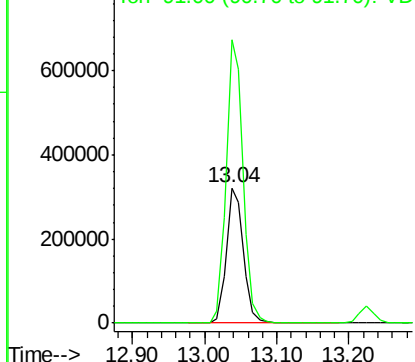
#69
o-Xylene
Concen: 46.214 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 523860
Ion Ratio Lower Upper
106 100
91 209.0 103.8 311.3

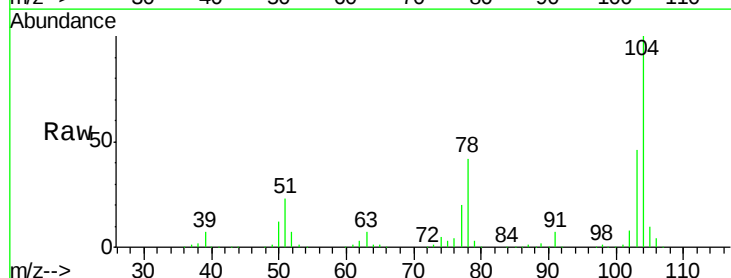


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

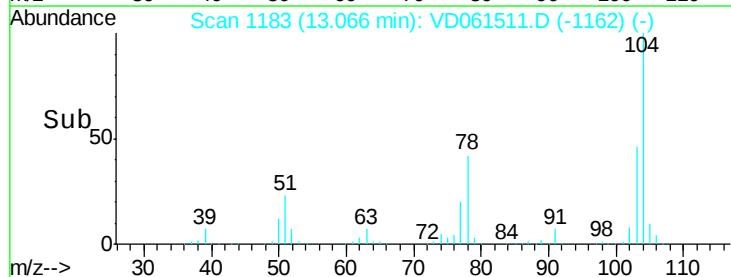
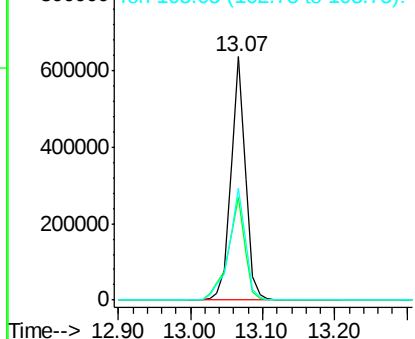


#70
Styrene
Concen: 45.344 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion:104 Resp: 895992
Ion Ratio Lower Upper
104 100
78 42.5 31.0 46.6
103 45.8 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

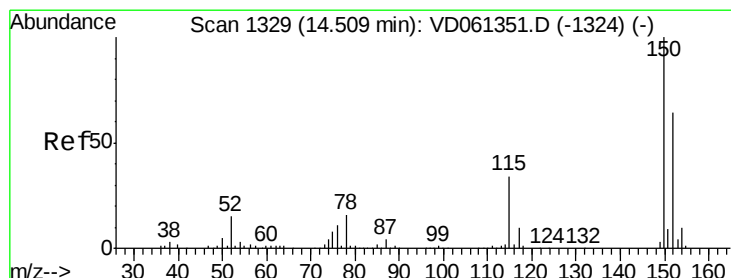
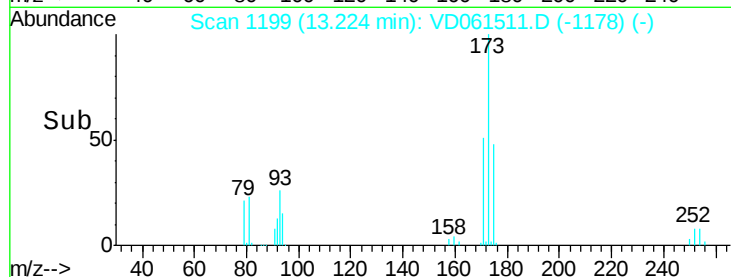
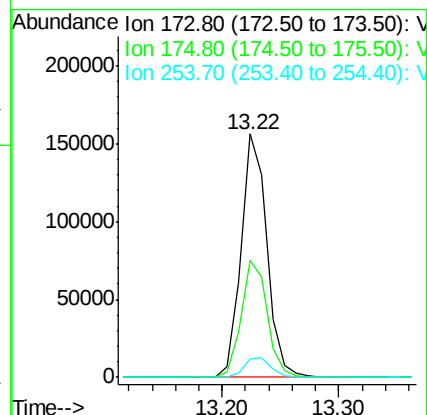
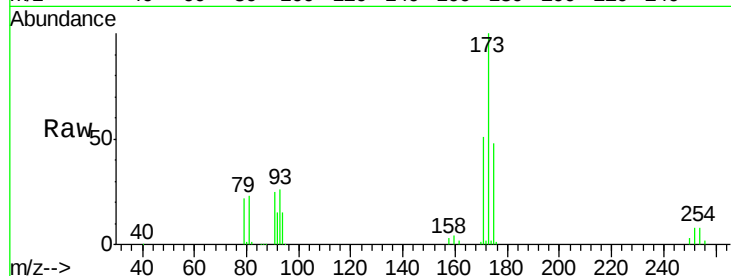




#71
Bromoform
Concen: 48.100 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

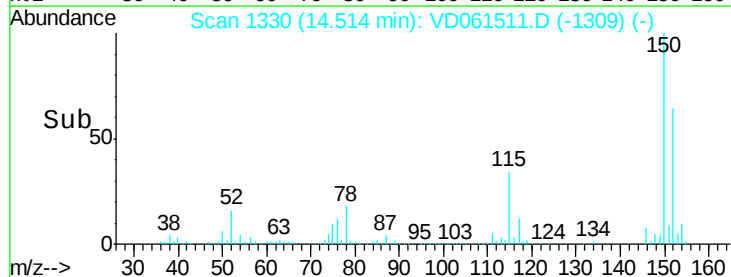
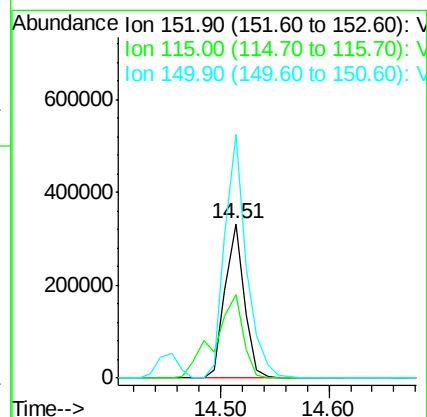
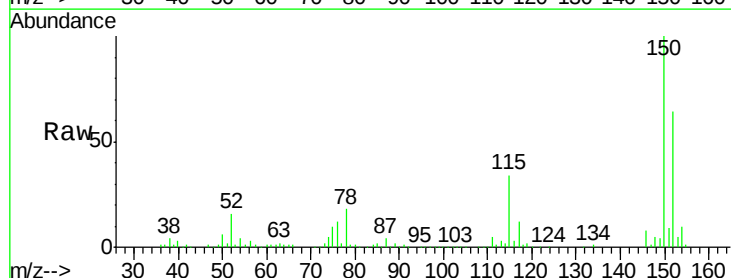
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

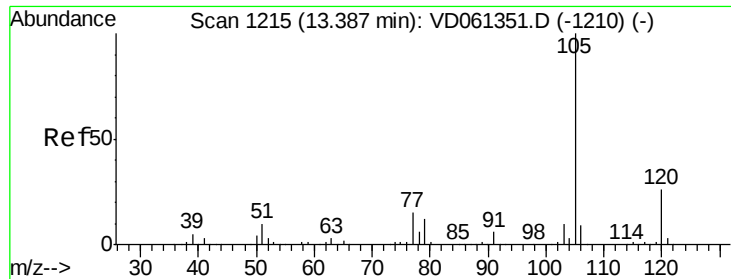
Tot Ion:173 Resp: 238506
Ion Ratio Lower Upper
173 100
175 48.2 24.6 73.8
254 7.5 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion:152 Resp: 412734
Ion Ratio Lower Upper
152 100
115 53.8 26.9 80.6
150 157.4 0.0 318.0





#73

Isopropylbenzene

Concen: 50.373 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

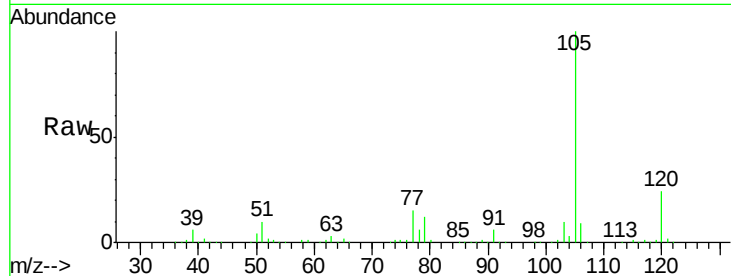
VSTDCCC050

Tot Ion:105 Resp: 1447020

Ion Ratio Lower Upper

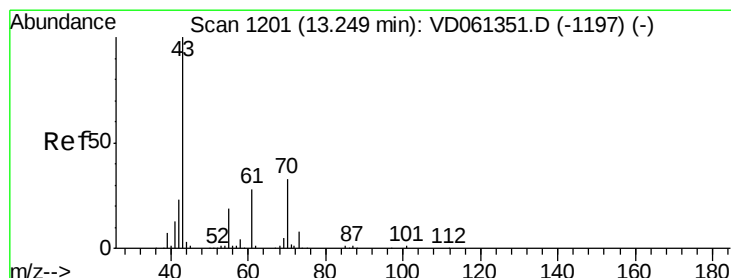
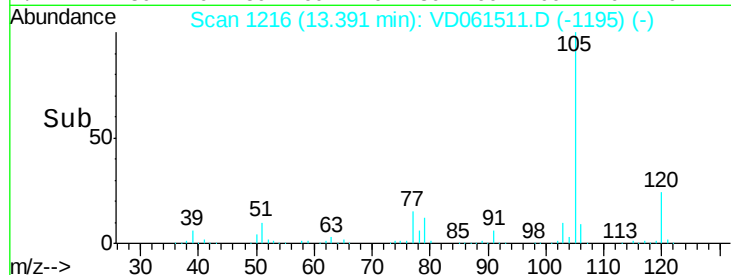
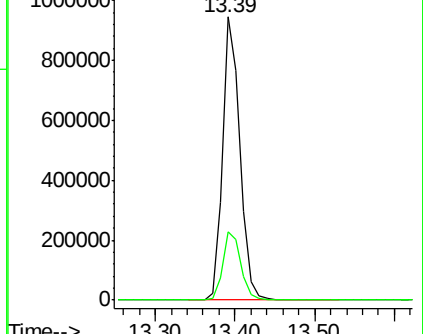
105 100

120 24.0 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.110 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Tgt Ion: 43 Resp: 400987

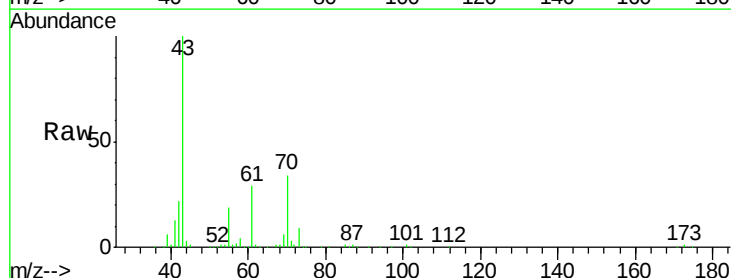
Ion Ratio Lower Upper

43 100

70 34.0 26.6 40.0

55 19.3 15.4 23.2

61 28.8 22.2 33.4

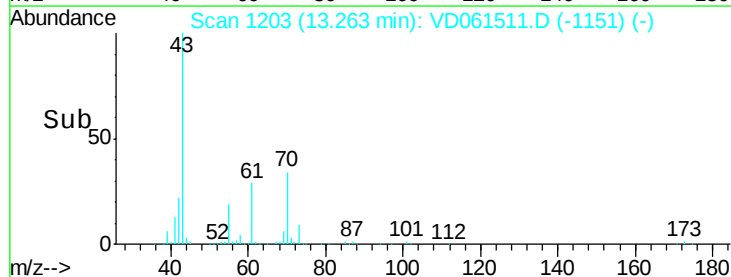
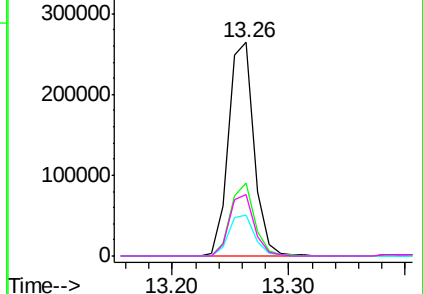


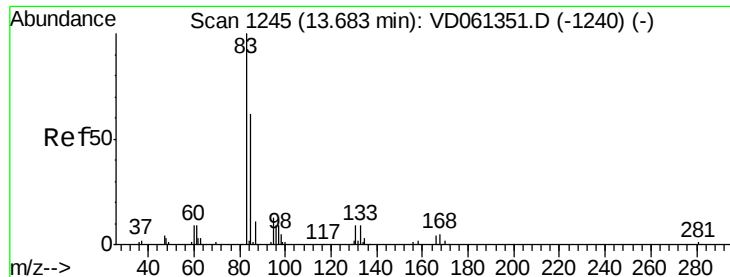
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.999 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

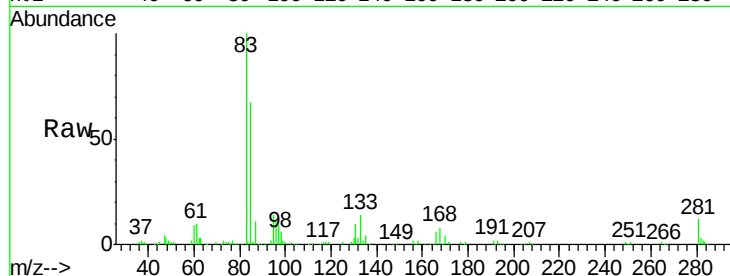
Tot Ion: 83 Resp: 290860

Ion Ratio Lower Upper

83 100

131 10.3 4.3 13.1

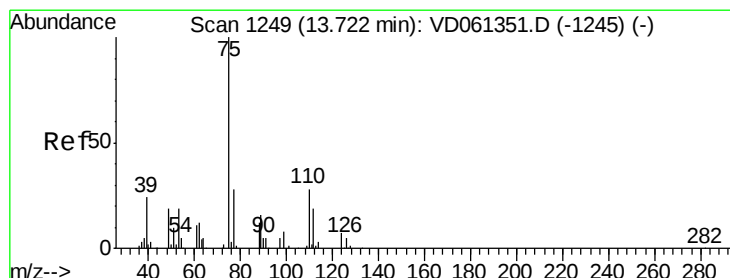
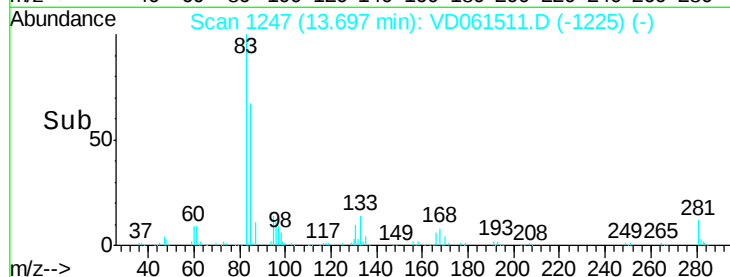
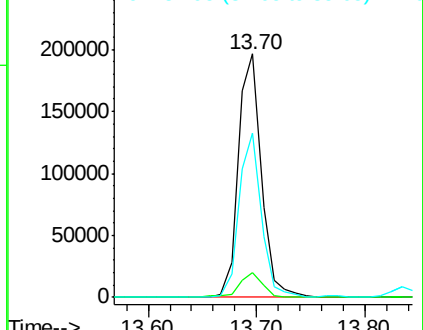
85 67.3 31.2 93.6



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: 47.376 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061511.D

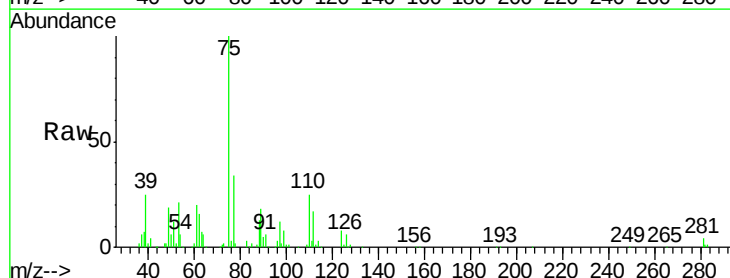
Acq: 2 Apr 2019 13:24

Tgt Ion: 75 Resp: 282459

Ion Ratio Lower Upper

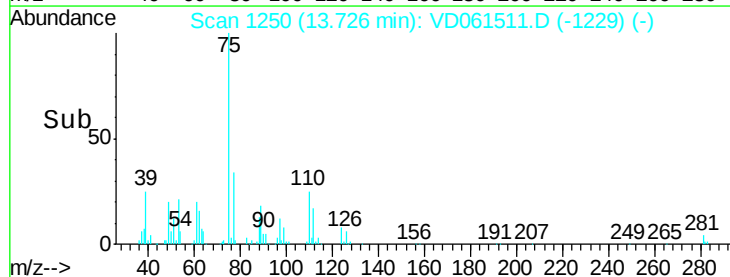
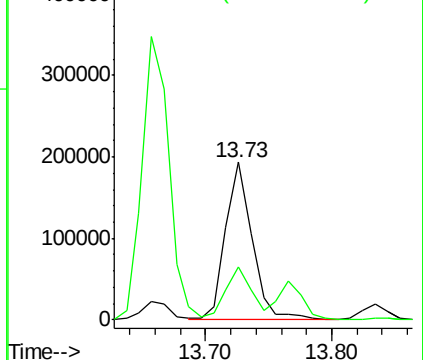
75 100

77 33.5 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: 49.332 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

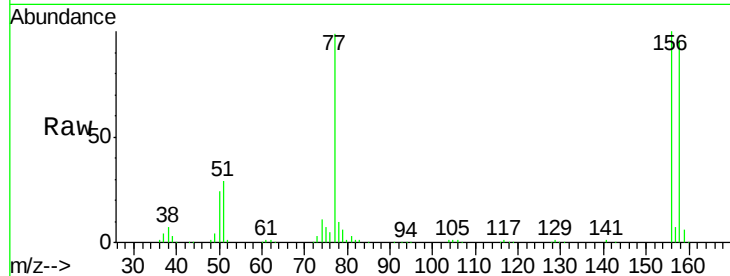
Tot Ion:156 Resp: 420114

Ion Ratio Lower Upper

156 100

77 99.4 68.5 205.6

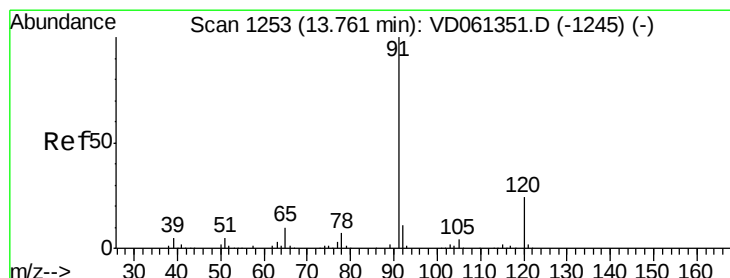
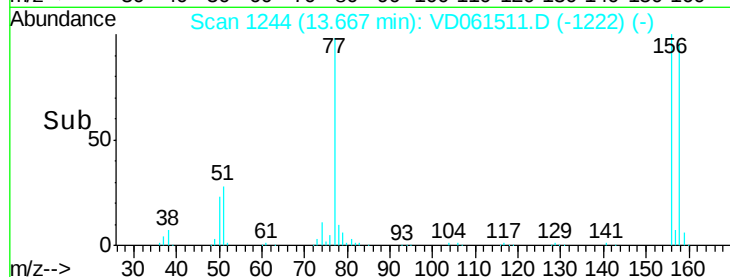
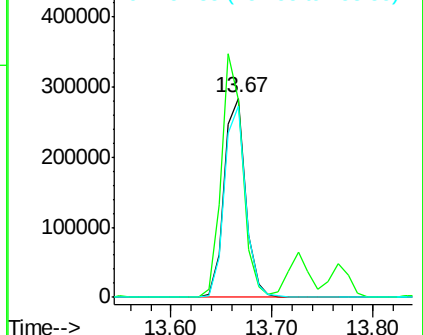
158 96.1 49.1 147.3



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: 50.151 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061511.D

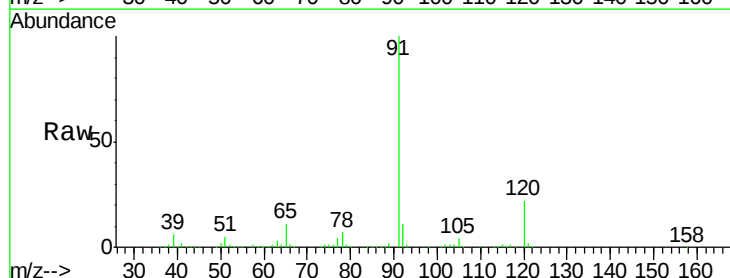
Acq: 2 Apr 2019 13:24

Tgt Ion: 91 Resp: 1762997

Ion Ratio Lower Upper

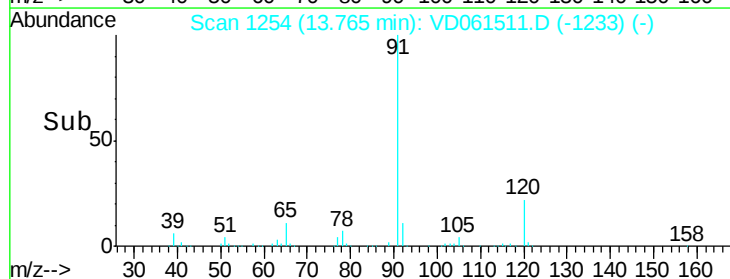
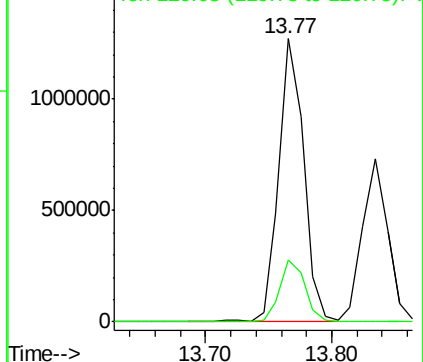
91 100

120 22.1 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: 53.353 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

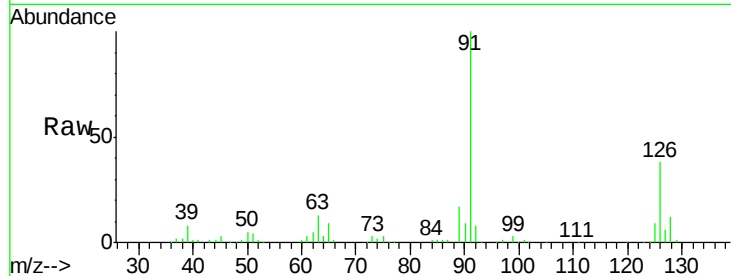
VSTDCCC050

Tot Ion: 91 Resp: 1018377

Ion Ratio Lower Upper

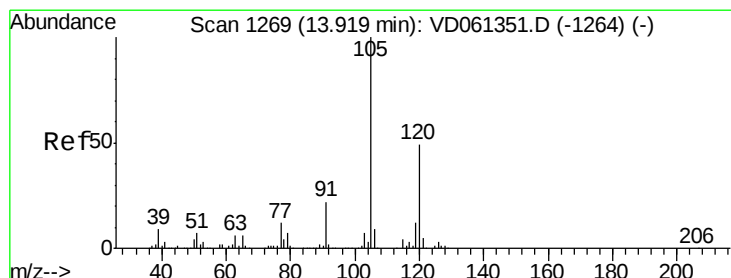
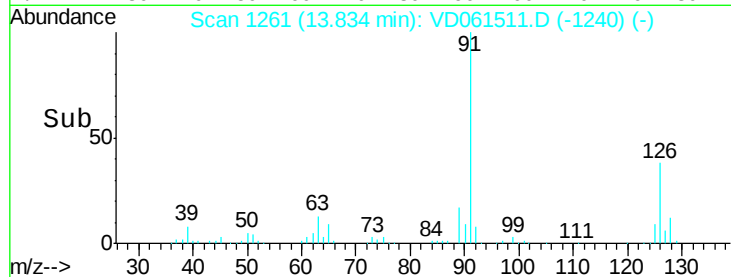
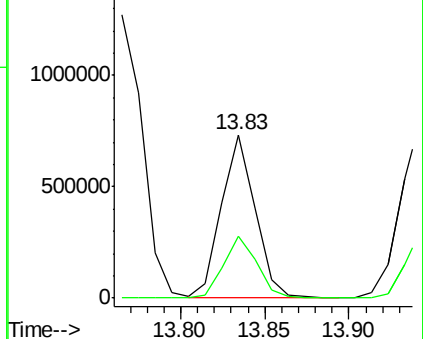
91 100

126 37.7 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.060 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061511.D

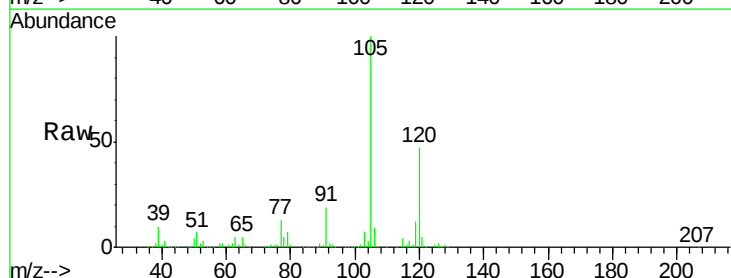
Acq: 2 Apr 2019 13:24

Tgt Ion:105 Resp: 1160309

Ion Ratio Lower Upper

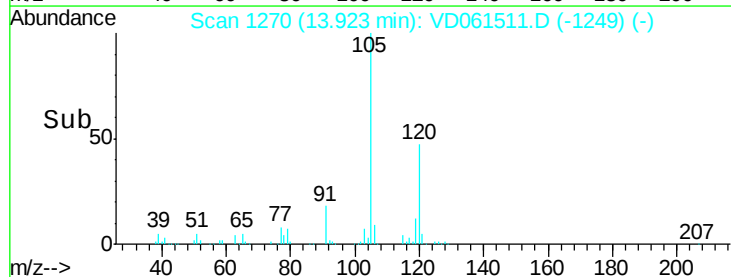
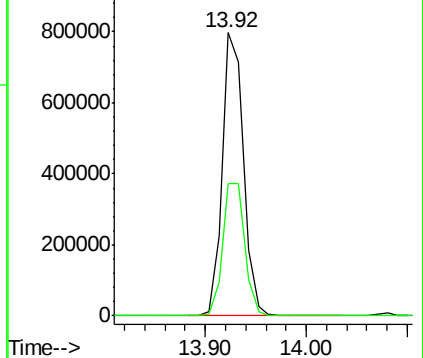
105 100

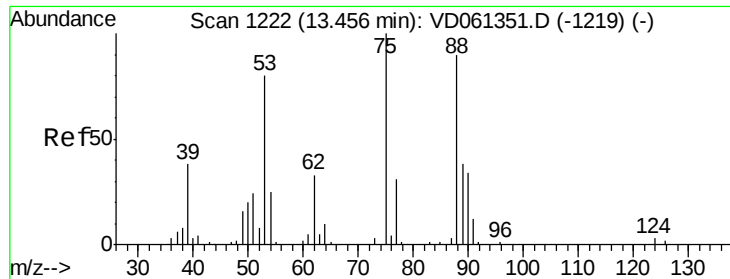
120 46.9 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

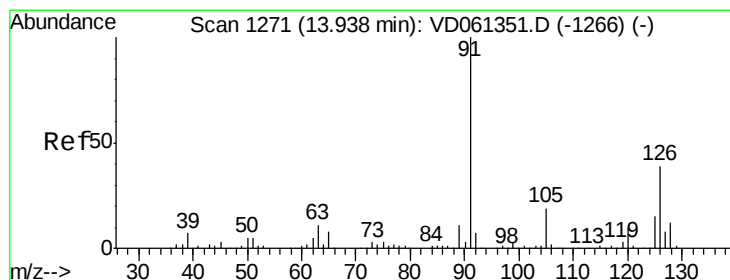
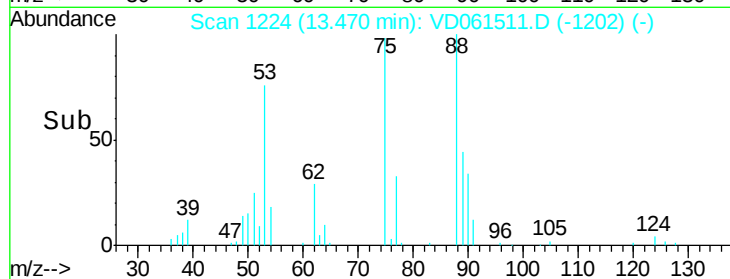
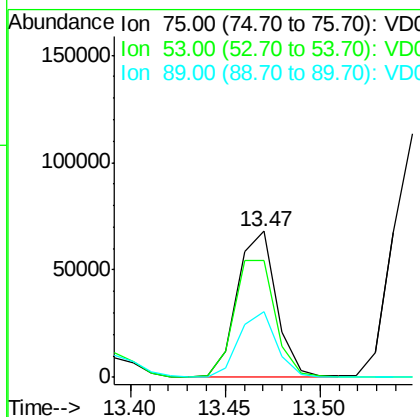
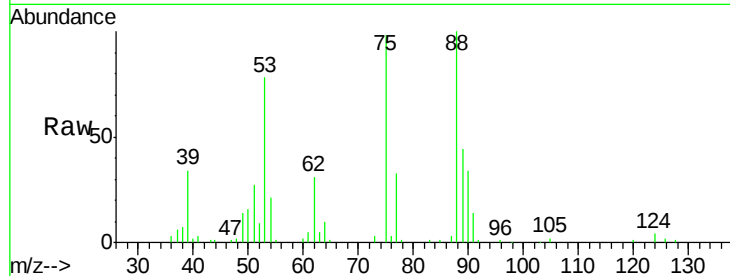




#81
trans-1,4-Dichloro-2-butene
Concen: 53.691 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

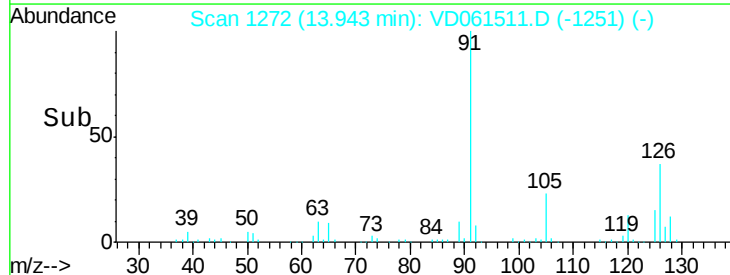
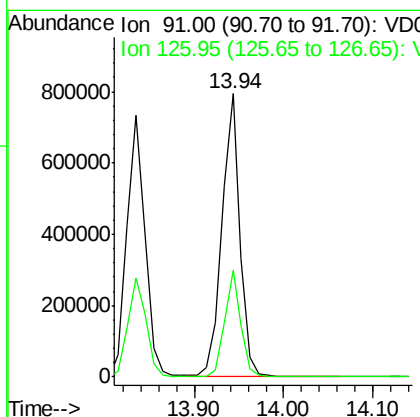
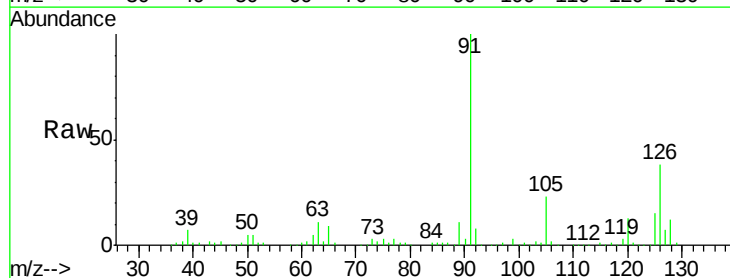
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 97601
Ion Ratio Lower Upper
75 100
53 80.0 63.8 95.8
89 45.0 30.5 45.7



#82
4-Chlorotoluene
Concen: 54.172 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion: 91 Resp: 1124326
Ion Ratio Lower Upper
91 100
126 37.6 19.6 58.8

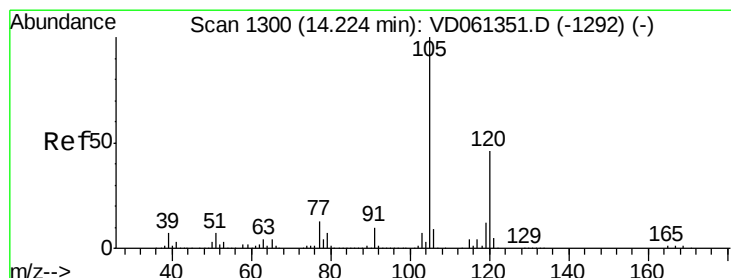
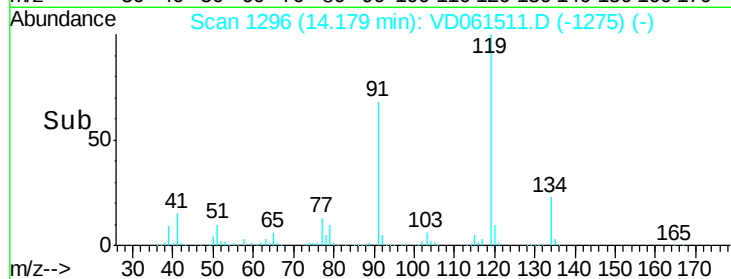
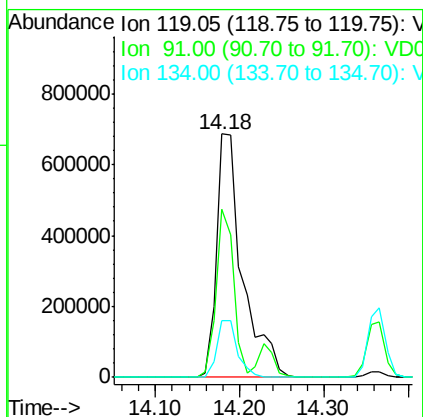
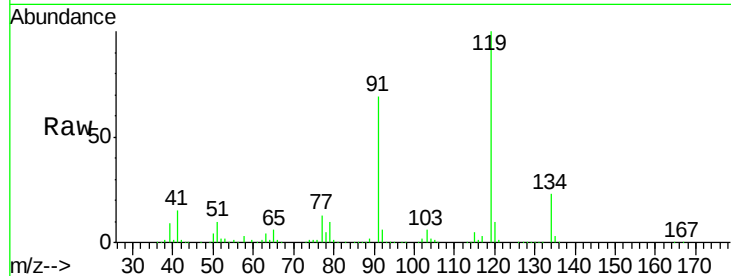




#83
tert-Butylbenzene
Concen: 52.664 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

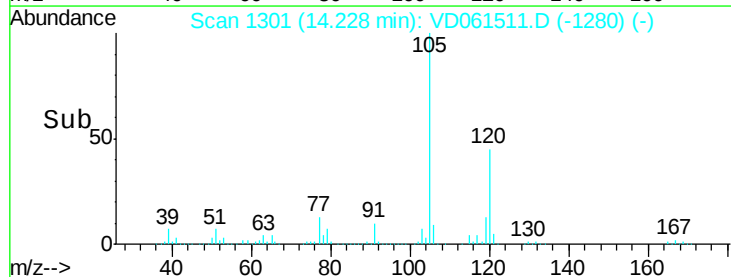
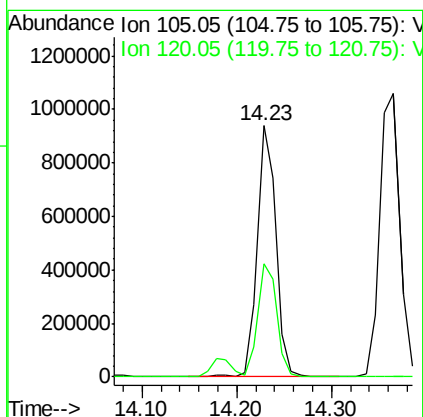
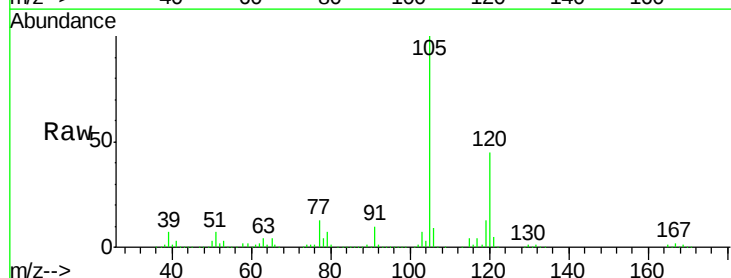
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

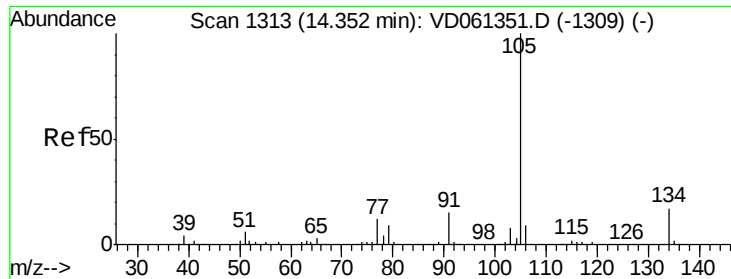
Tot Ion:119 Resp: 1466902
Ion Ratio Lower Upper
119 100
91 69.0 34.1 102.3
134 23.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 53.085 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion:105 Resp: 1280916
Ion Ratio Lower Upper
105 100
120 45.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 52.690 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

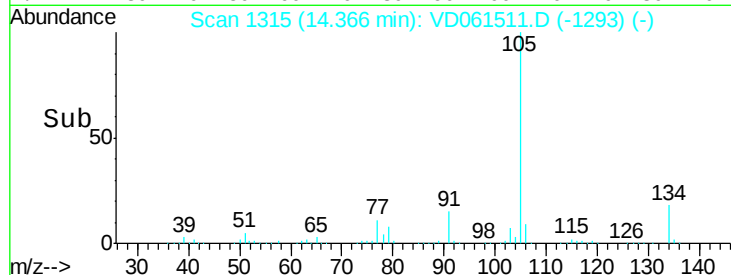
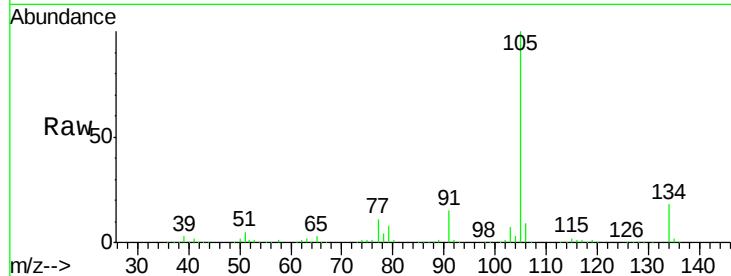
VSTDCCC050

Tot Ion:105 Resp: 1559111

Ion Ratio Lower Upper

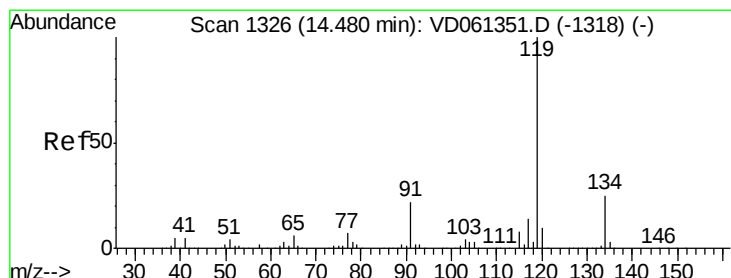
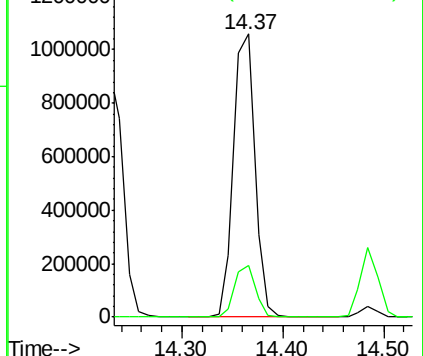
105 100

134 18.4 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.967 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

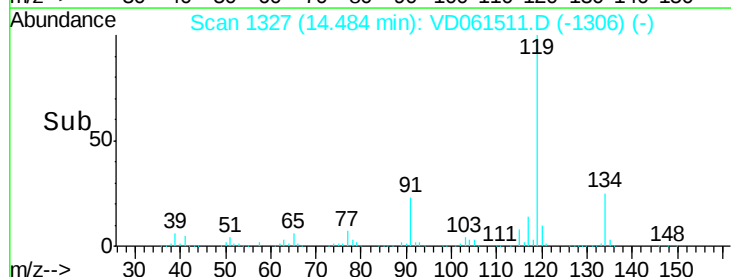
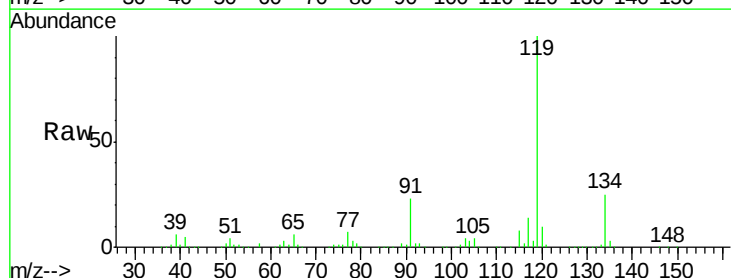
Tgt Ion:119 Resp: 1325319

Ion Ratio Lower Upper

119 100

134 24.6 12.3 36.8

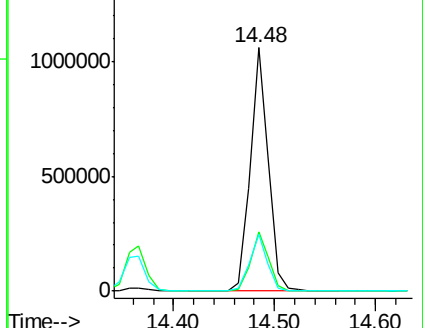
91 23.3 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

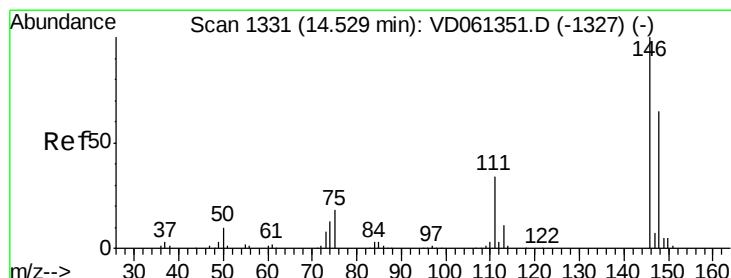
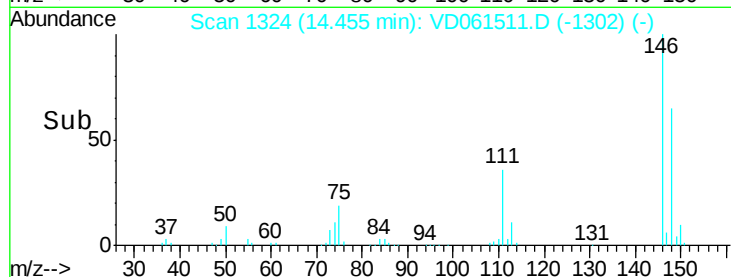
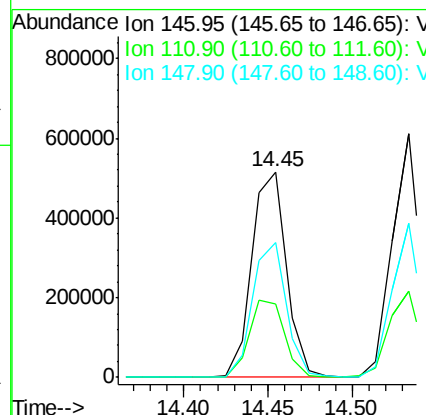
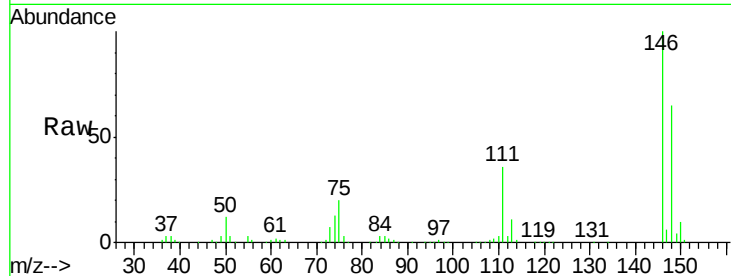




#87
 1,3-Dichlorobenzene
 Concen: 50.975 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

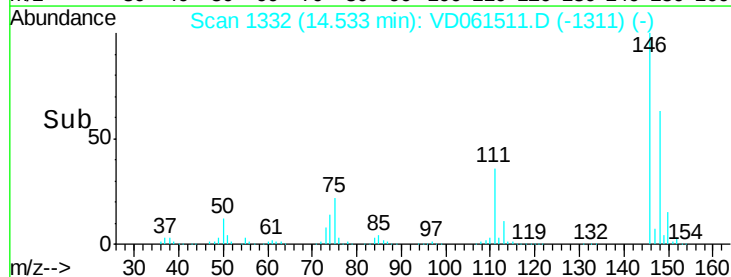
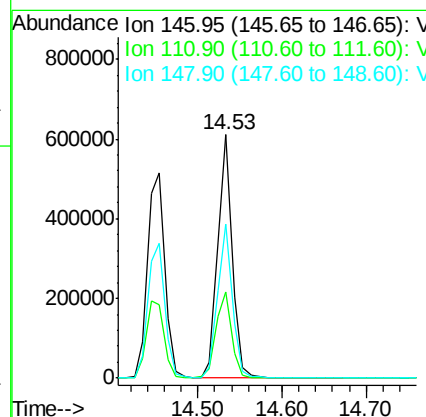
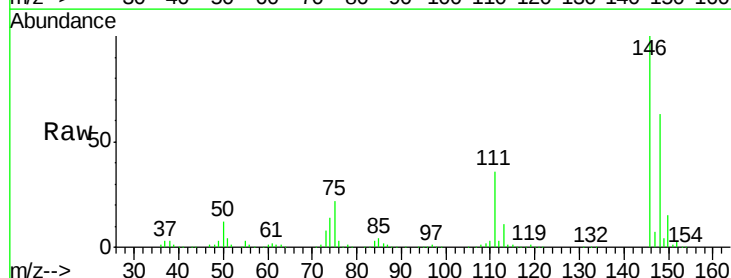
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 735106
 Ion Ratio Lower Upper
 146 100
 111 36.0 20.6 61.9
 148 65.4 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 52.119 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Tgt Ion:146 Resp: 732963
 Ion Ratio Lower Upper
 146 100
 111 35.6 16.8 50.4
 148 63.3 32.6 98.0





#89

n-Butylbenzene

Concen: 53.072 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061511.D

Acq: 2 Apr 2019 13:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

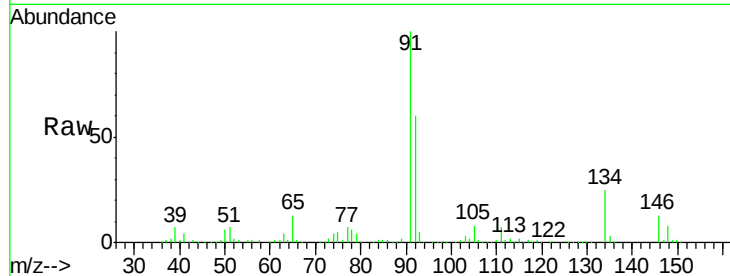
Tot Ion: 91 Resp: 1218829

Ion Ratio Lower Upper

91 100

92 60.2 30.3 91.0

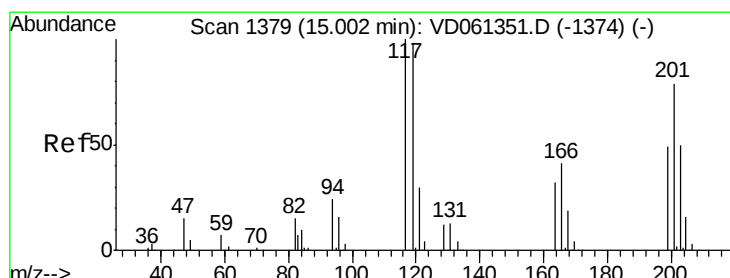
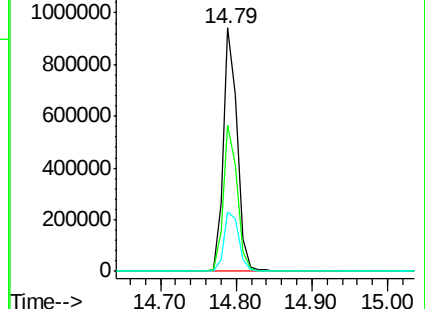
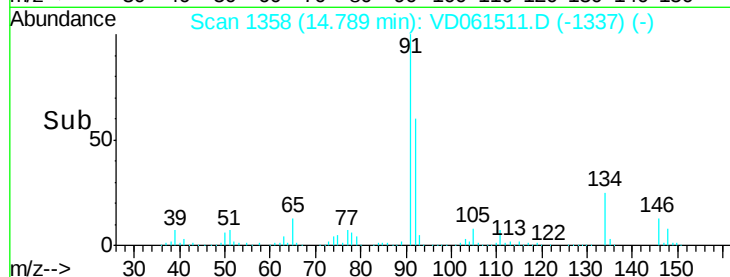
134 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 54.772 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061511.D

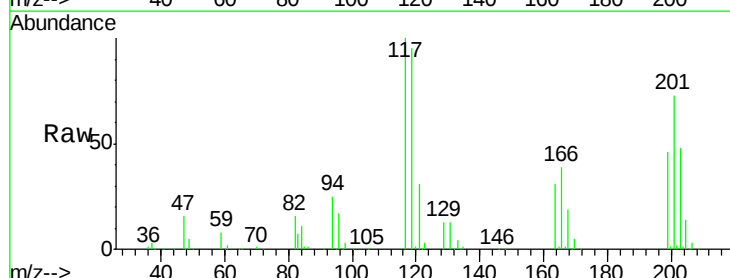
Acq: 2 Apr 2019 13:24

Tgt Ion: 117 Resp: 387174

Ion Ratio Lower Upper

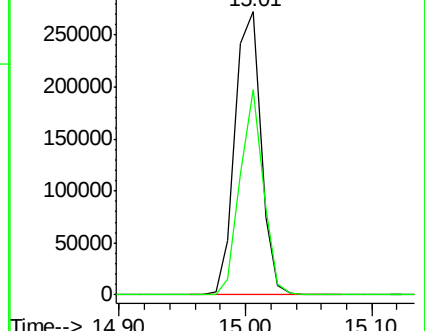
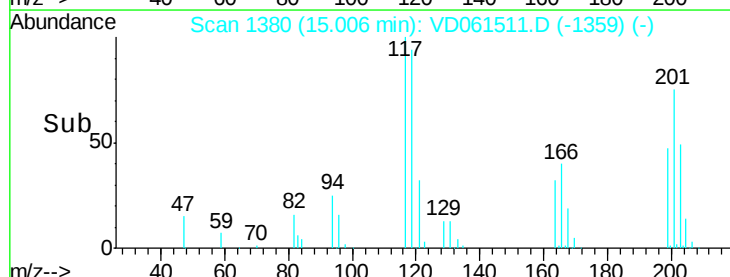
117 100

201 72.7 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

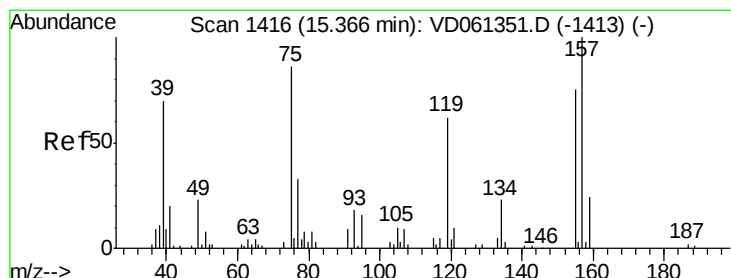
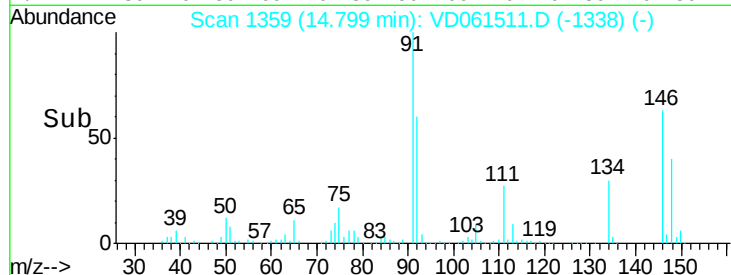
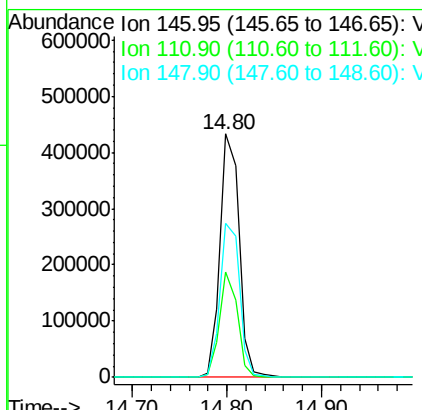
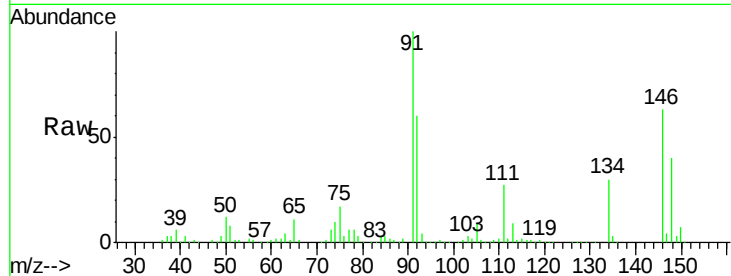




#91
 1,2-Dichlorobenzene
 Concen: 51.097 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

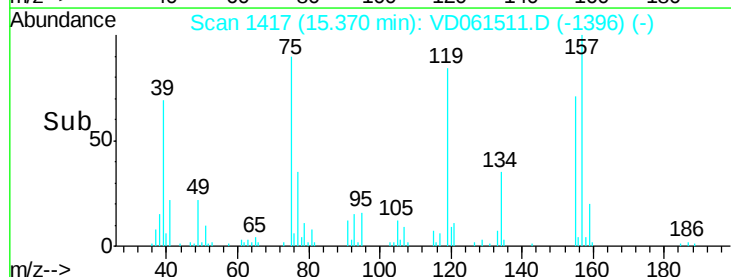
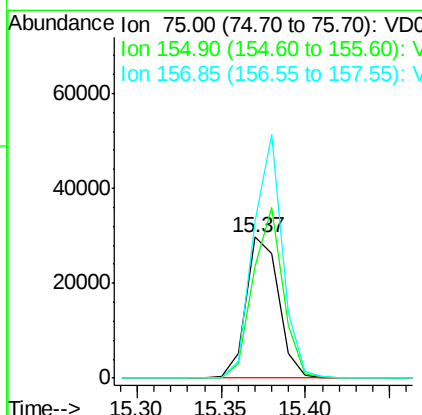
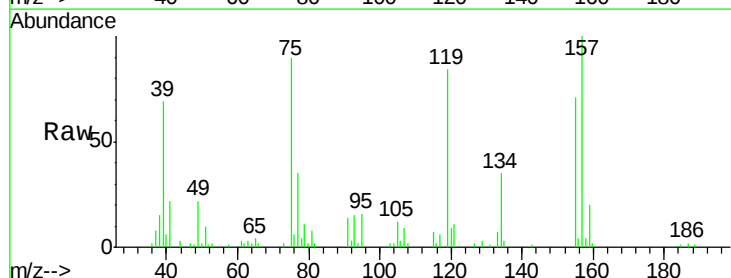
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

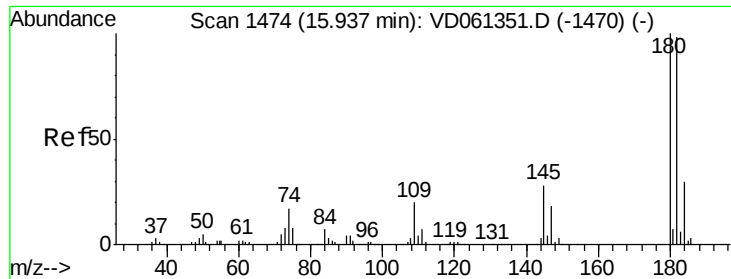
Tot Ion:146 Resp: 604418
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.2 63.6
 148 63.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.968 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Tgt Ion: 75 Resp: 39777
 Ion Ratio Lower Upper
 75 100
 155 79.0 43.6 130.9
 157 110.9 58.5 175.3

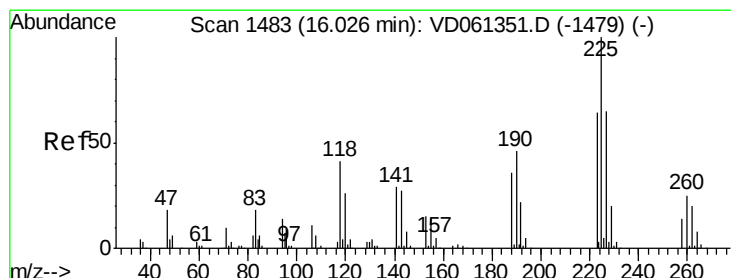
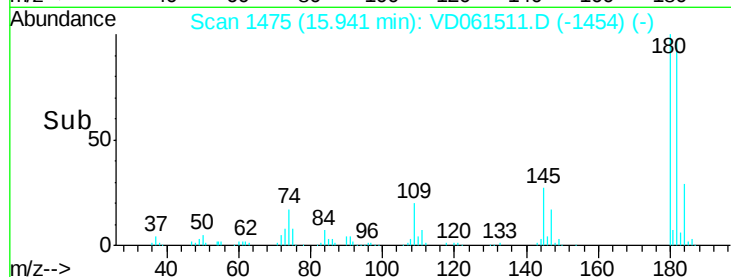
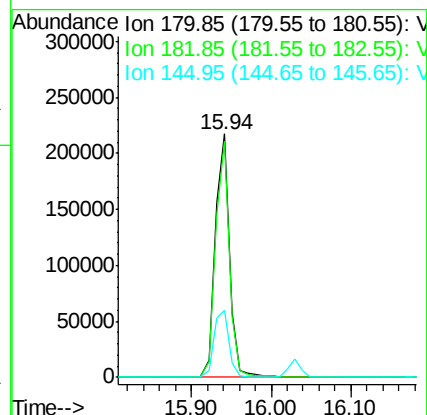
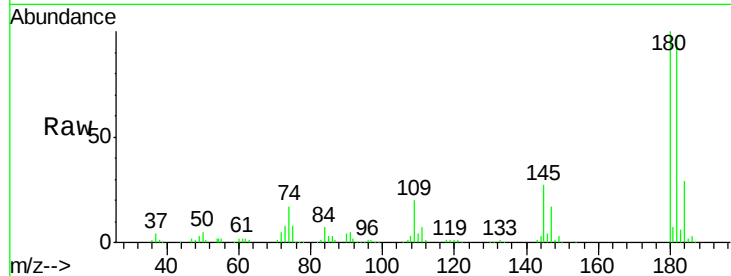




#93
 1,2,4-Trichlorobenzene
 Concen: 50.908 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

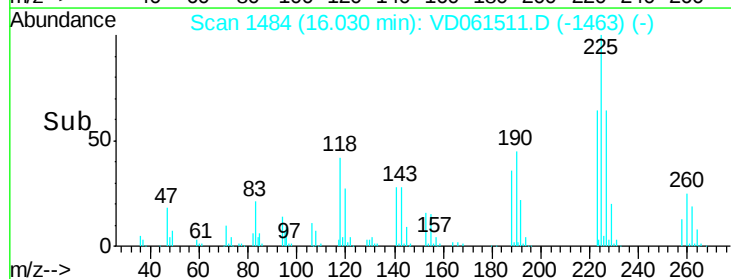
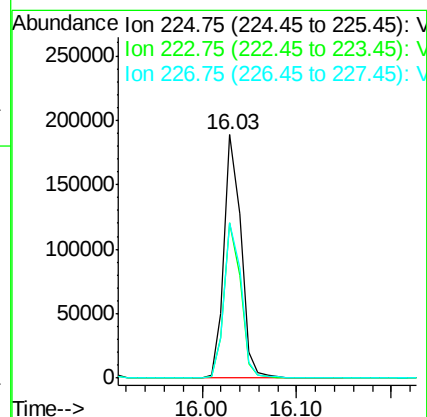
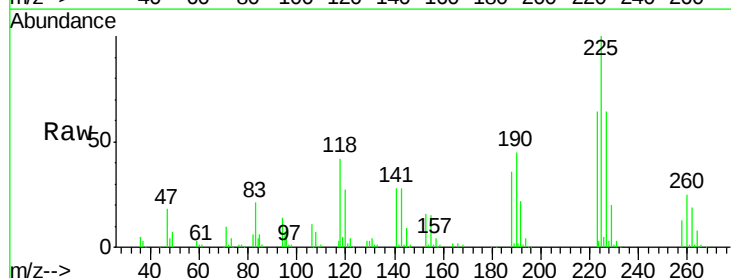
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

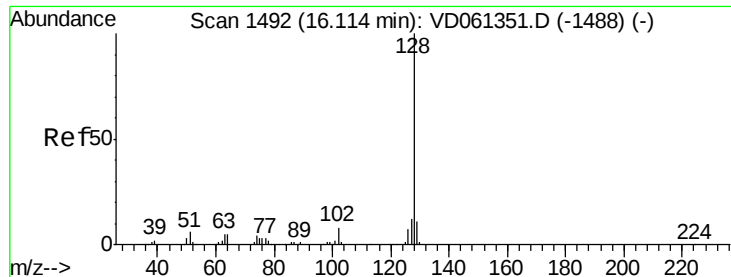
Tot Ion:180 Resp: 274313
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.9 146.8
 145 27.4 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 55.944 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061511.D
 Acq: 2 Apr 2019 13:24

Tgt Ion:225 Resp: 235559
 Ion Ratio Lower Upper
 225 100
 223 64.0 32.0 96.0
 227 63.7 32.4 97.2

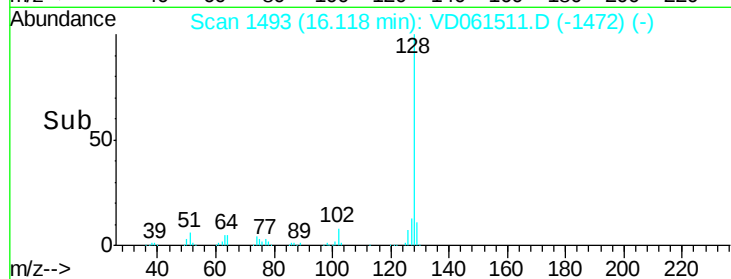
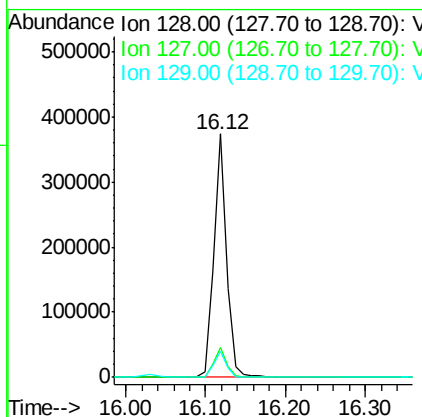
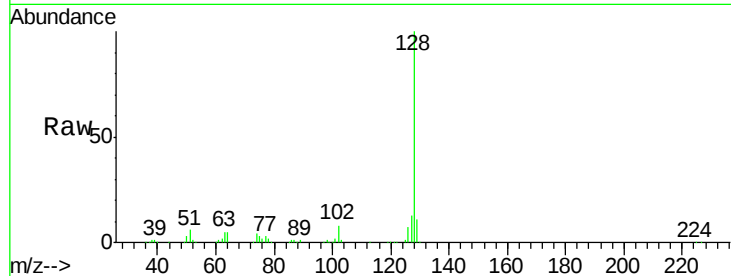




#95
Naphthalene
Concen: 51.383 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 422025
Ion Ratio Lower Upper
128 100
127 12.5 9.9 14.9
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 55.732 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061511.D
Acq: 2 Apr 2019 13:24

Tgt Ion:180 Resp: 132148
Ion Ratio Lower Upper
180 100
182 97.9 46.4 139.1
145 30.0 15.3 45.9

