

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062096.D
 Acq On : 1 May 2019 11:47
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 02 00:53:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	618588	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1001848	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	772560	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	377844	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	259844	53.67	ug/l	-0.03
Spiked Amount			Recovery	=	107.34%	
35) Dibromofluoromethane	6.89	113	361995	52.25	ug/l	-0.04
Spiked Amount			Recovery	=	104.50%	
50) Toluene-d8	10.38	98	920818	55.85	ug/l	-0.04
Spiked Amount			Recovery	=	111.70%	
62) 4-Bromofluorobenzene	13.54	95	351001	53.08	ug/l	-0.02
Spiked Amount			Recovery	=	106.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	254111	46.005	ug/l	98
3) Chloromethane	1.74	50	197902	42.155	ug/l	98
4) Vinyl Chloride	1.83	62	200658	47.158	ug/l	99
5) Bromomethane	2.14	94	60075	54.767	ug/l	93
6) Chloroethane	2.25	64	82923	53.913	ug/l	100
7) Trichlorofluoromethane	2.51	101	352999	54.868	ug/l	99
8) Diethyl Ether	2.85	74	79957	46.371	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.13	101	296356	50.005	ug/l	99
10) Methyl Iodide	3.28	142	411906	46.095	ug/l	96
11) Tert butyl alcohol	4.03	59	74541	272.502	ug/l #	95
12) 1,1-Dichloroethene	3.11	96	243811	48.354	ug/l	94
13) Acrolein	3.02	56	71545	252.080	ug/l	92
14) Allyl chloride	3.60	41	349969	50.830	ug/l	99
15) Acrylonitrile	4.16	53	220402	260.204	ug/l	97
16) Acetone	3.19	43	343935	297.525	ug/l	97
17) Carbon Disulfide	3.35	76	656088	45.029	ug/l	99
18) Methyl Acetate	3.62	43	111528	53.342	ug/l	99
19) Methyl tert-butyl Ether	4.21	73	480829	48.062	ug/l	94
20) Methylene Chloride	3.79	84	272092	48.237	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	260588	45.051	ug/l	94
22) Diisopropyl ether	5.08	45	755906	47.025	ug/l	96
23) Vinyl Acetate	5.01	43	2161616	258.221	ug/l	99
24) 1,1-Dichloroethane	4.94	63	450538	46.372	ug/l	98
25) 2-Butanone	6.04	43	363077	259.054	ug/l	98
26) 2,2-Dichloropropane	5.99	77	416586	49.149	ug/l	99
27) cis-1,2-Dichloroethene	6.00	96	300130	45.611	ug/l	98
28) Bromochloromethane	6.40	49	172699	46.456	ug/l	99
29) Tetrahydrofuran	6.42	42	158678	229.775	ug/l	96
30) Chloroform	6.64	83	522565	47.354	ug/l	99
31) Cyclohexane	6.92	56	339656	47.099	ug/l	99
32) 1,1,1-Trichloroethane	6.83	97	449098	46.773	ug/l	97
36) 1,1-Dichloropropene	7.12	75	399993	51.245	ug/l	98
37) Ethyl Acetate	6.15	43	160399	48.223	ug/l	98
38) Carbon Tetrachloride	7.08	117	545343	55.136	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	399538	51.881	ug/l	96
40) Benzene	7.43	78	916946	47.452	ug/l	97
41) Methacrylonitrile	6.40	41	185875	47.894	ug/l #	94
42) 1,2-Dichloroethane	7.54	62	342916	52.265	ug/l	97
43) Isopropyl Acetate	9.21	43	239144	49.206	ug/l	100
44) Trichloroethene	8.51	130	359538	47.993	ug/l	99
45) 1,2-Dichloropropane	8.91	63	235873	48.115	ug/l	97
46) Dibromomethane	9.04	93	165550	46.932	ug/l	93
47) Bromodichloromethane	9.35	83	420665	50.471	ug/l	99
48) Methyl methacrylate	9.09	41	137446	49.568	ug/l	95
49) 1,4-Dioxane	9.05	88	29747	995.037	ug/l	96
51) 4-Methyl-2-Pentanone	10.27	43	735685	247.523	ug/l	98
52) Toluene	10.48	92	626116	50.817	ug/l	96
53) t-1,3-Dichloropropene	10.89	75	355399	50.800	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	450900	52.991	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	190613	46.081	ug/l	97
56) Ethyl methacrylate	11.02	69	229906	50.184	ug/l	96
57) 1,3-Dichloropropane	11.38	76	311308	48.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	473130	222.130	ug/l	99
59) 2-Hexanone	11.51	43	600291	269.241	ug/l	98
60) Dibromochloromethane	11.66	129	341704	49.925	ug/l	98
61) 1,2-Dibromoethane	11.79	107	241469	49.210	ug/l	95
64) Tetrachloroethene	11.24	164	282880	51.329	ug/l	98
65) Chlorobenzene	12.38	112	722534	49.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	319567	51.606	ug/l	98
67) Ethyl Benzene	12.51	91	1194668	50.138	ug/l	100
68) m/p-Xylenes	12.65	106	815533	94.698	ug/l	98
69) o-Xylene	13.04	106	383922	48.723	ug/l	96
70) Styrene	13.06	104	712378	52.359	ug/l	99
71) Bromoform	13.21	173	196769	55.736	ug/l	99
73) Isopropylbenzene	13.39	105	1080530	42.870	ug/l	97
74) N-amyl acetate	13.25	43	314245	48.411	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	242185	49.033	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	243529	50.756	ug/l	97
77) Bromobenzene	13.66	156	346881	47.975	ug/l	96
78) n-propylbenzene	13.76	91	1294334	44.859	ug/l	97
79) 2-Chlorotoluene	13.82	91	771583	44.148	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	825188	41.059	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	68911	47.394	ug/l	98
82) 4-Chlorotoluene	13.93	91	843045	43.801	ug/l	96
83) tert-Butylbenzene	14.18	119	1109025	47.635	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	951795	49.599	ug/l	99
85) sec-Butylbenzene	14.36	105	1246422	49.548	ug/l	96
86) p-Isopropyltoluene	14.47	119	1028246	45.671	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	588496	46.478	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	565390	47.747	ug/l	94
89) n-Butylbenzene	14.79	91	929509	45.987	ug/l	97
90) Hexachloroethane	15.00	117	293853	48.268	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	465056	44.526	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	33598	46.250	ug/l	89

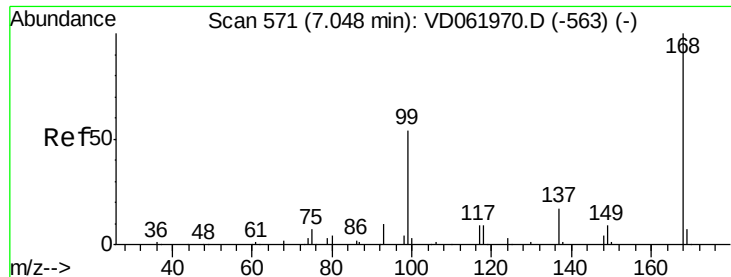
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	259257	46.004	ug/l	96
94) Hexachlorobutadiene	16.03	225	192639	46.192	ug/l	99
95) Naphthalene	16.11	128	436038	47.921	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	157343	49.208	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

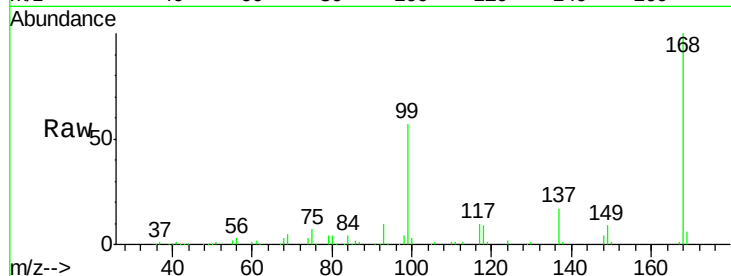
VSTDCCC050

Tot Ion:168 Resp: 618588

Ion Ratio Lower Upper

168 100

99 56.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.01

200000

150000

100000

50000

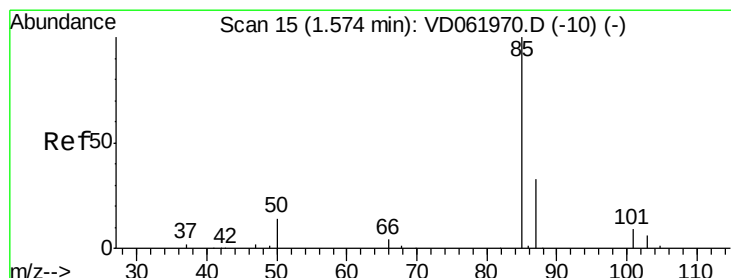
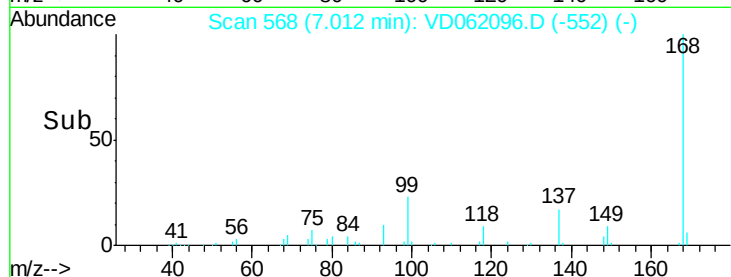
0

6.80

7.00

7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.005 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062096.D

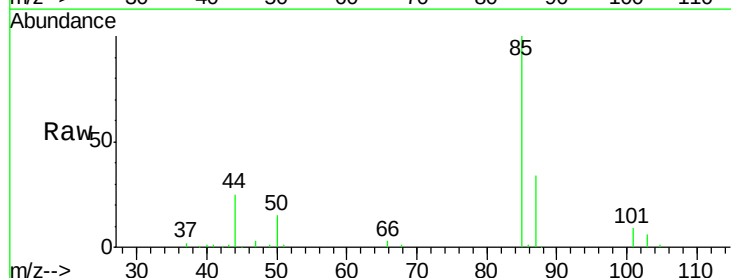
Acq: 1 May 2019 11:47

Tgt Ion: 85 Resp: 254111

Ion Ratio Lower Upper

85 100

87 33.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

40000

20000

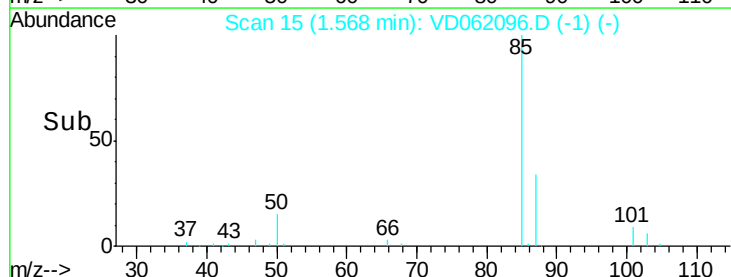
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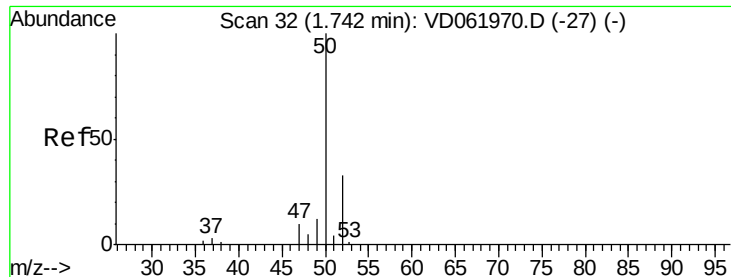
1.50

1.60

1.70

Time-->





#3

Chloromethane

Concen: 42.155 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

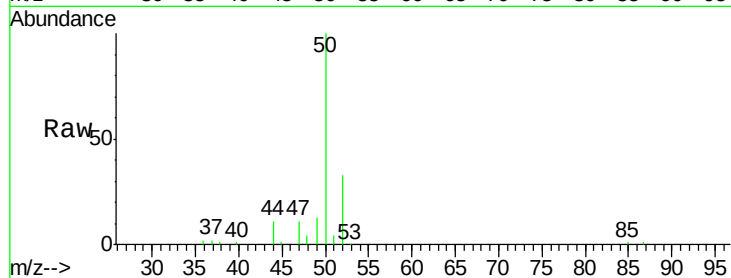
VSTDCCC050

Tot Ion: 50 Resp: 197902

Ion Ratio Lower Upper

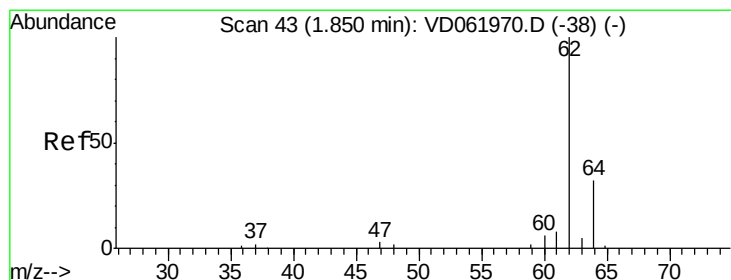
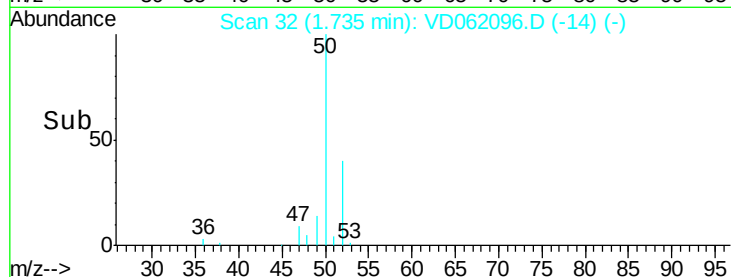
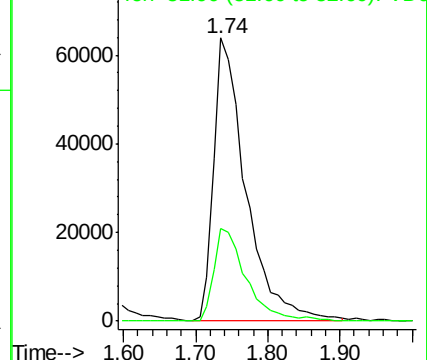
50 100

52 32.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.158 ug/l

RT: 1.83 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062096.D

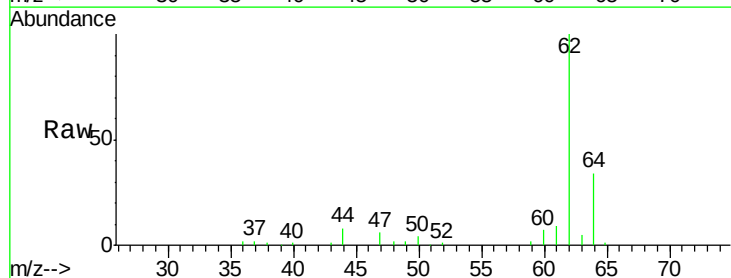
Acq: 1 May 2019 11:47

Tgt Ion: 62 Resp: 200658

Ion Ratio Lower Upper

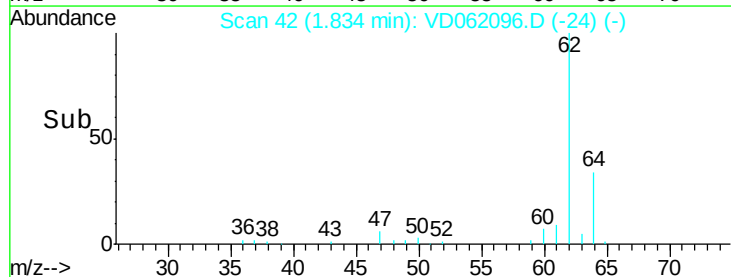
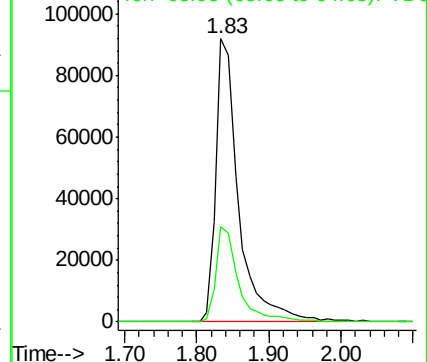
62 100

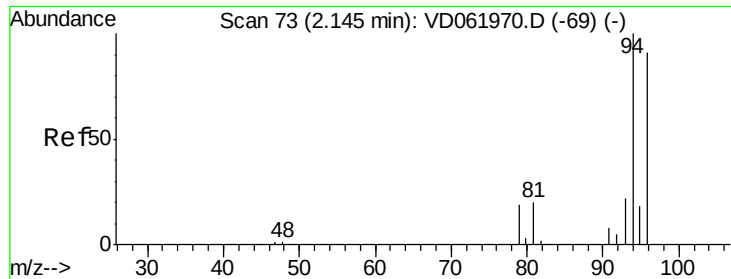
64 33.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.767 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

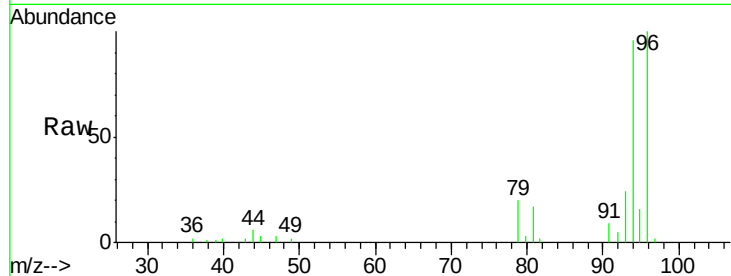
Tot Ion: 94 Resp: 60075

Ion Ratio Lower Upper

94 100

96 103.9 76.6 115.0

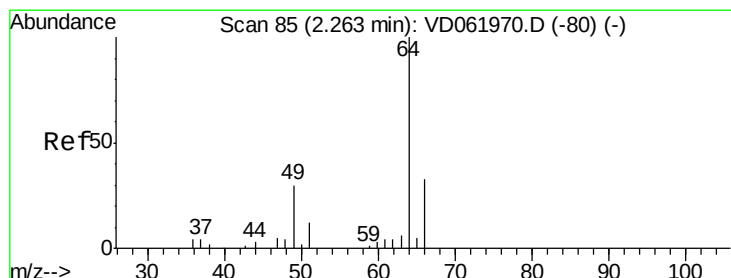
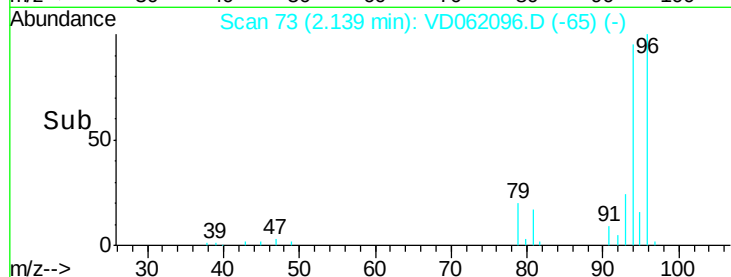
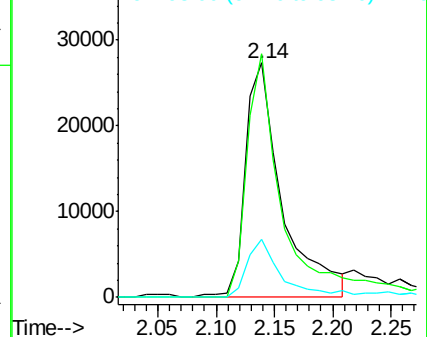
93 24.6 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 53.913 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062096.D

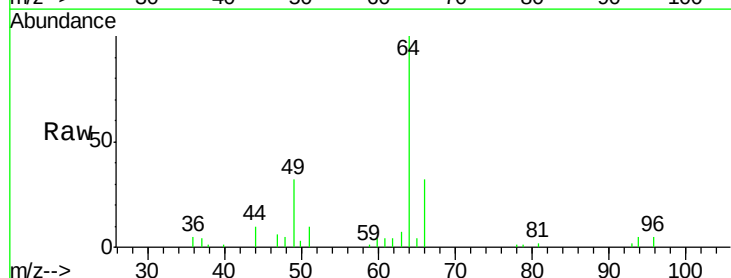
Acq: 1 May 2019 11:47

Tgt Ion: 64 Resp: 82923

Ion Ratio Lower Upper

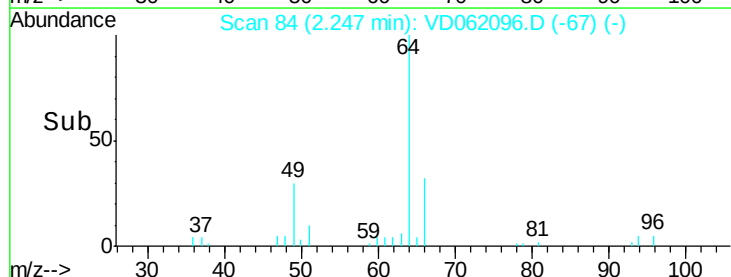
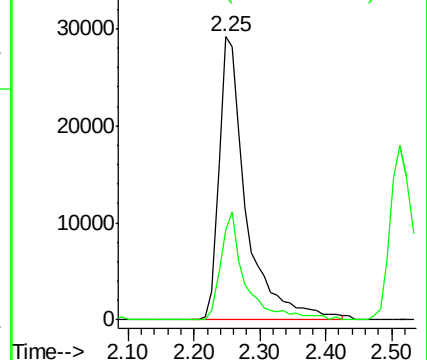
64 100

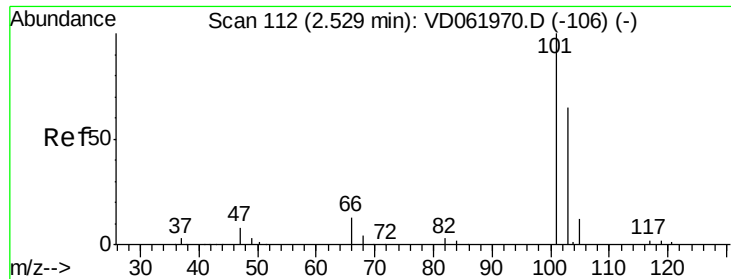
66 31.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



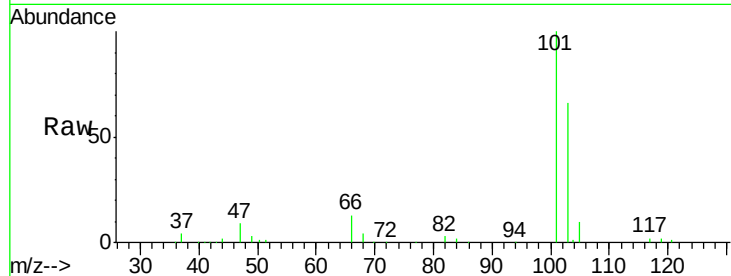


#7

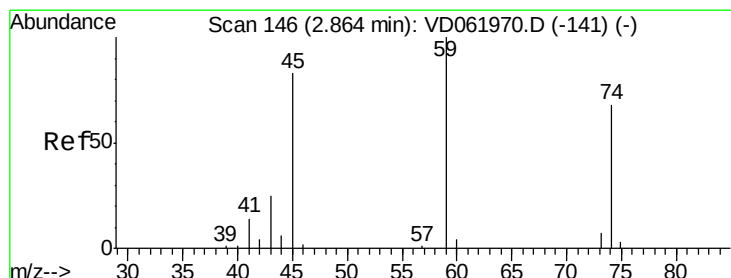
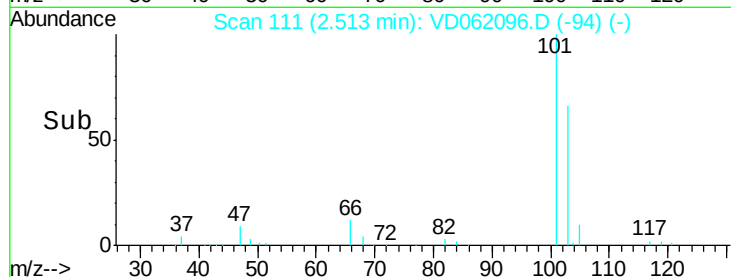
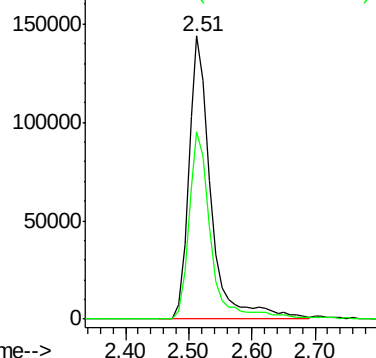
Trichlorofluoromethane
Concen: 54.868 ug/l
RT: 2.51 min Scan# 111
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Instrument :
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VSTDCCC050

Tot Ion:101 Resp: 352999
Ion Ratio Lower Upper
101 100
103 66.1 53.6 80.4



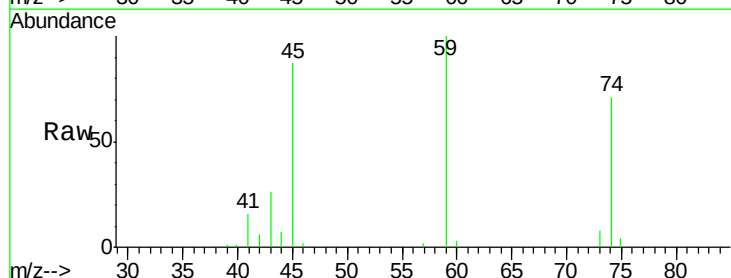
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



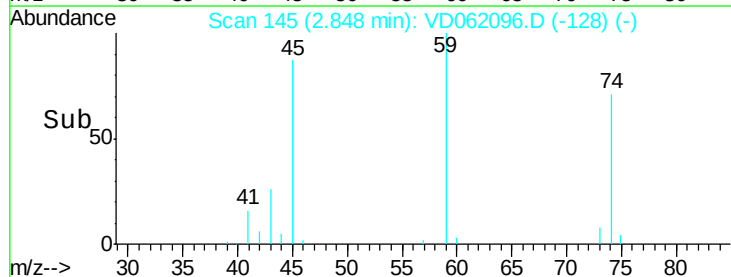
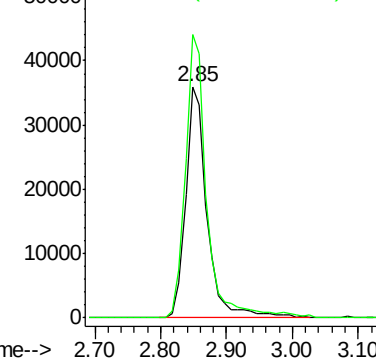
#8

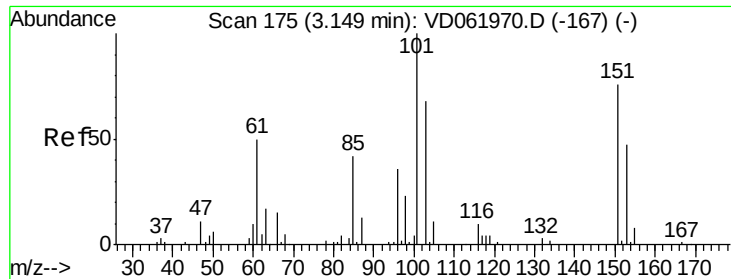
Diethyl Ether
Concen: 46.371 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 74 Resp: 79957
Ion Ratio Lower Upper
74 100
45 122.5 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.005 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

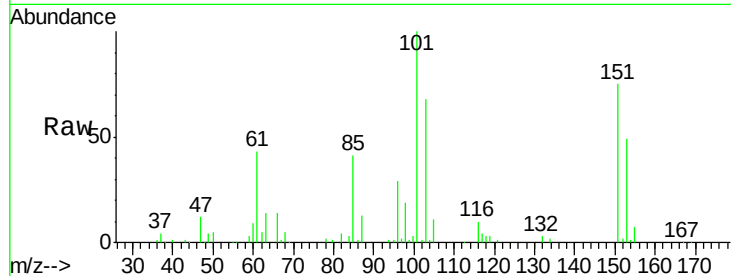
Tot Ion:101 Resp: 296356

Ion Ratio Lower Upper

101 100

85 40.9 32.4 48.6

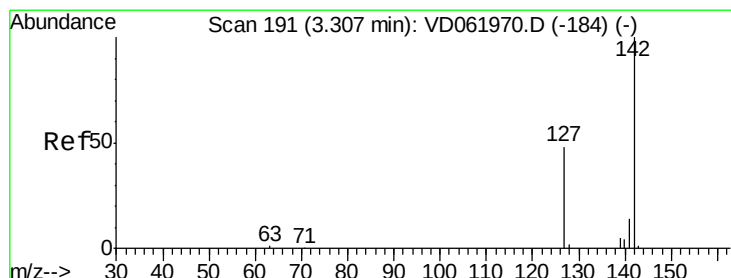
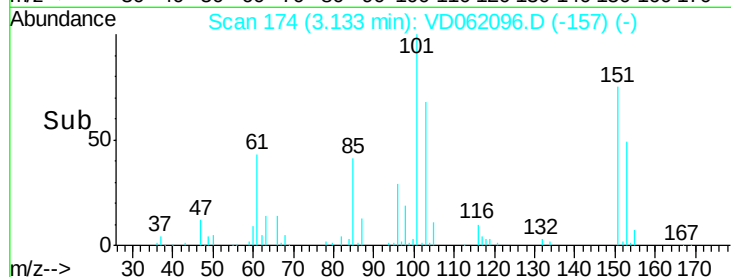
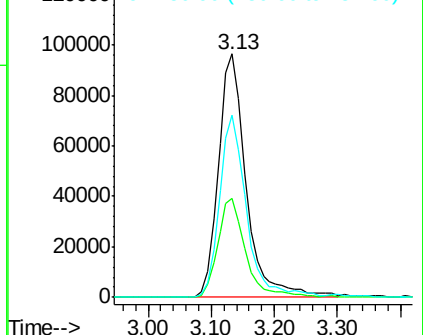
151 75.0 59.4 89.0



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: 46.095 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

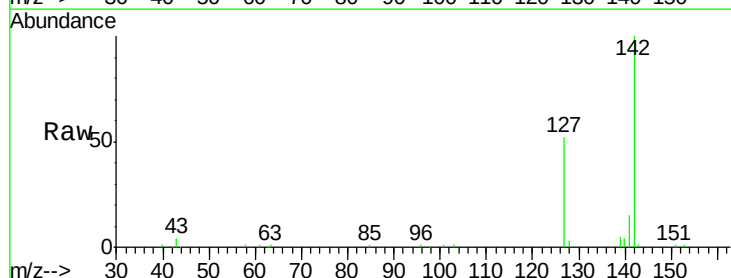
Tgt Ion:142 Resp: 411906

Ion Ratio Lower Upper

142 100

127 51.6 38.8 58.2

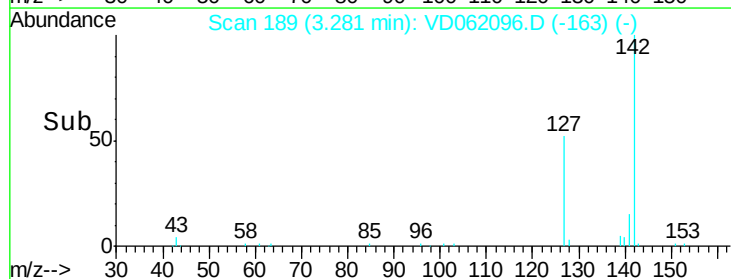
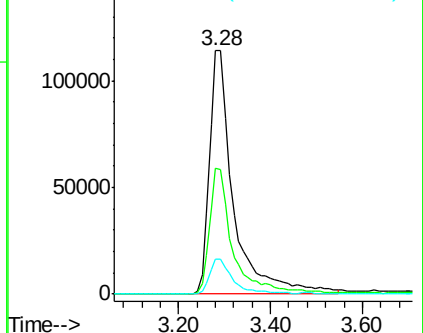
141 14.5 11.4 17.0

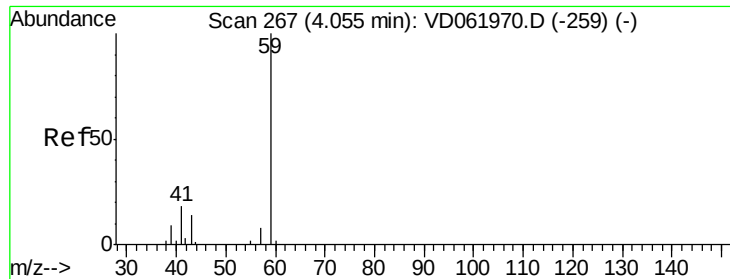


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



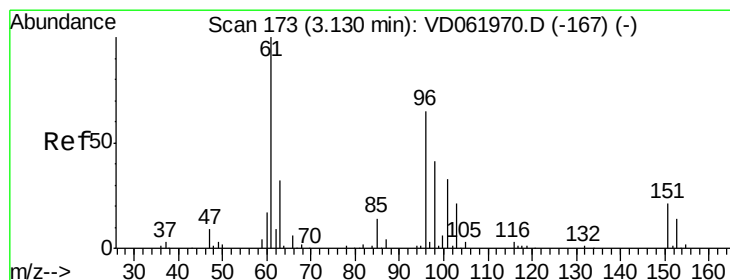
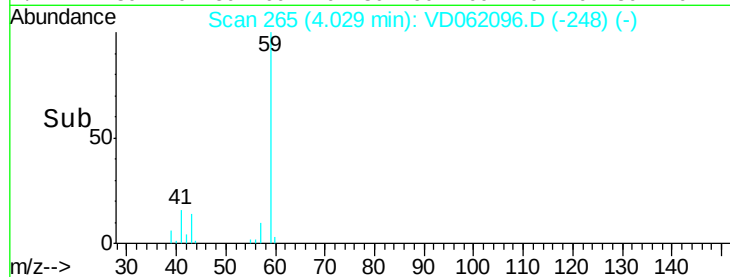
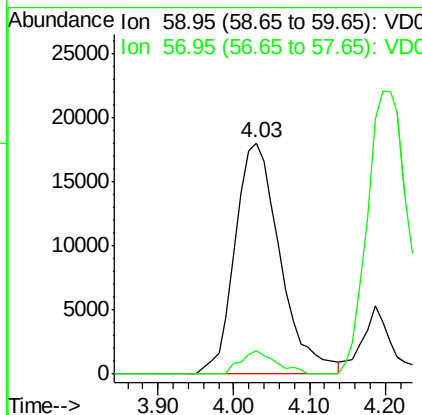
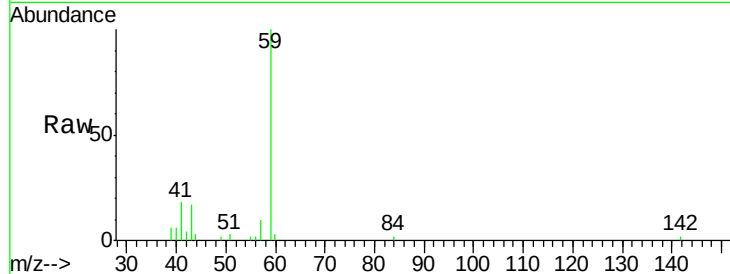


#11

Tert butyl alcohol
Concen: 272.502 ug/l
RT: 4.03 min Scan# 265
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

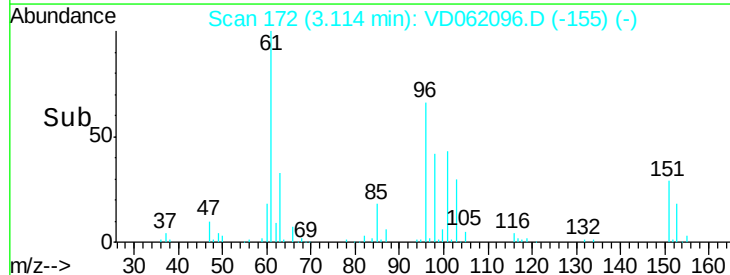
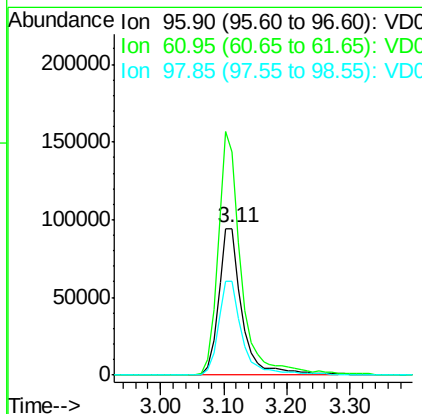
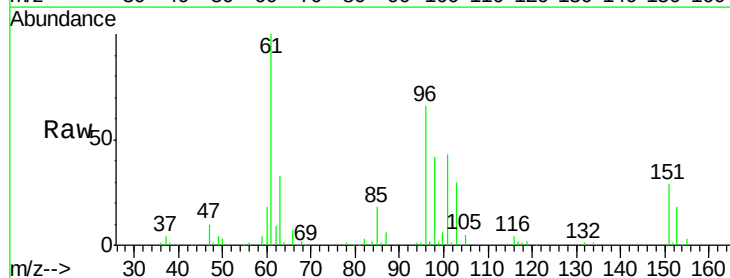
Tot Ion: 59 Resp: 74541
Ion Ratio Lower Upper
59 100
57 10.3 6.9 10.3#

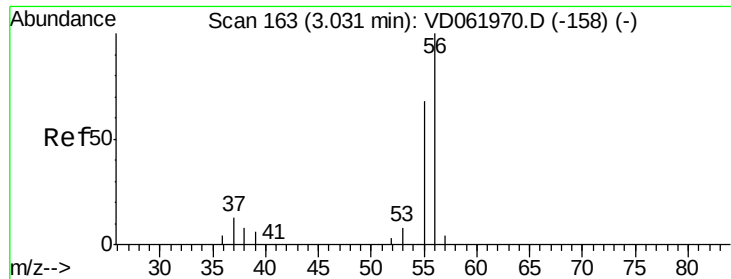


#12

1,1-Dichloroethene
Concen: 48.354 ug/l
RT: 3.11 min Scan# 172
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 96 Resp: 243811
Ion Ratio Lower Upper
96 100
61 151.7 129.8 194.8
98 63.8 51.2 76.8

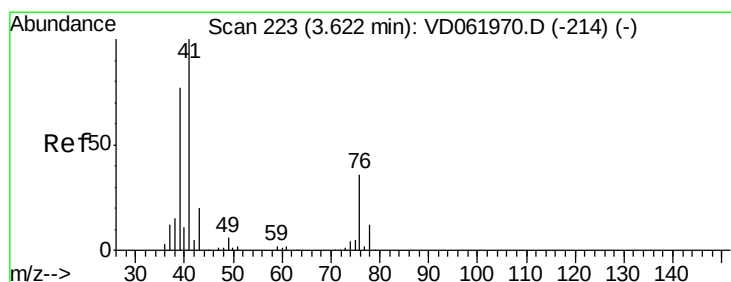
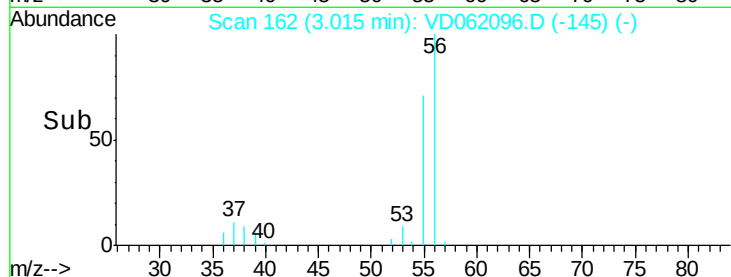
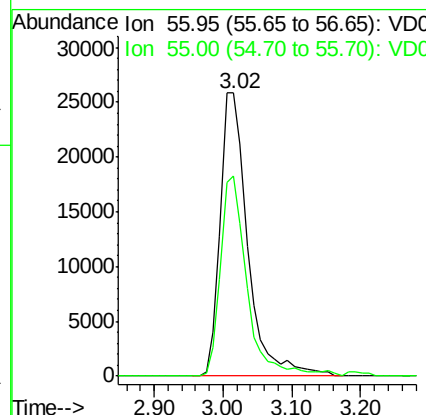
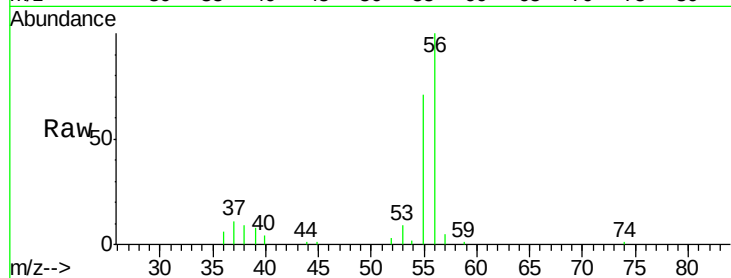




#13
Acrolein
Concen: 252.080 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

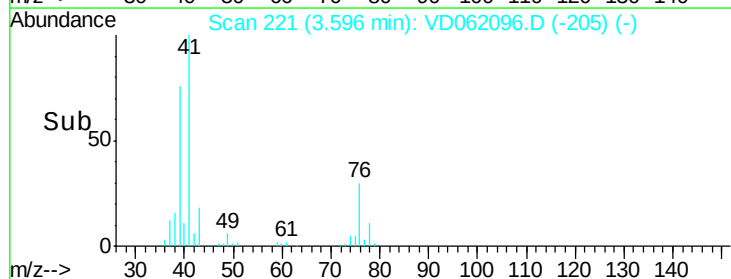
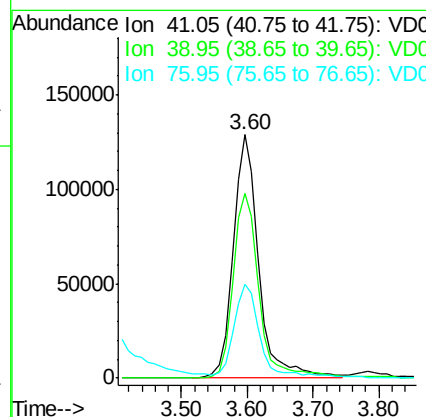
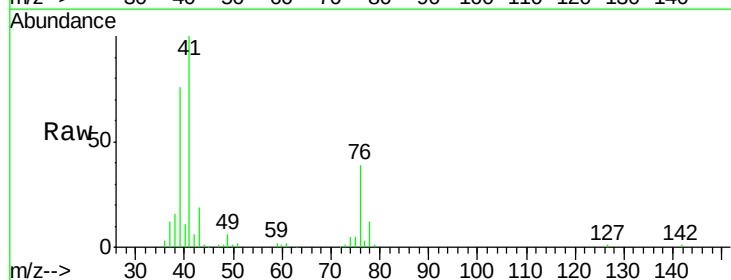
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

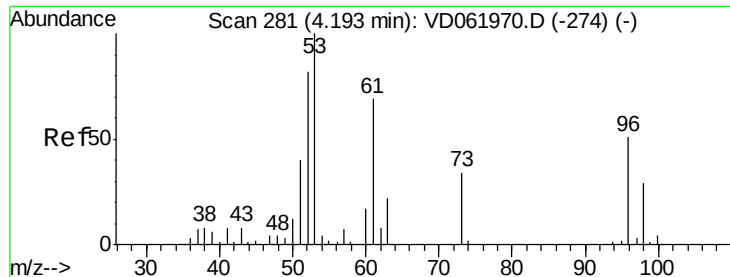
Tot Ion: 56 Resp: 71545
Ion Ratio Lower Upper
56 100
55 70.7 51.4 77.2



#14
Allyl chloride
Concen: 50.830 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 41 Resp: 349969
Ion Ratio Lower Upper
41 100
39 76.0 60.5 90.7
76 38.6 31.8 47.8





#15

Acrylonitrile

Concen: 260.204 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.05 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

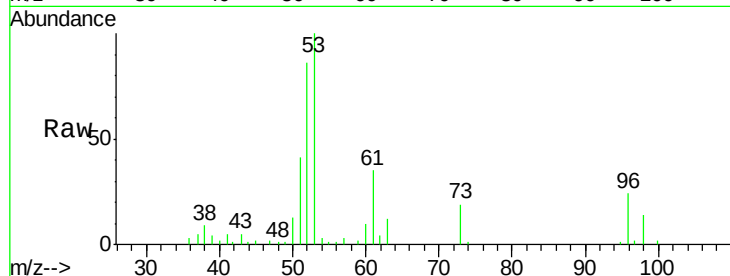
Tot Ion: 53 Resp: 220402

Ion Ratio Lower Upper

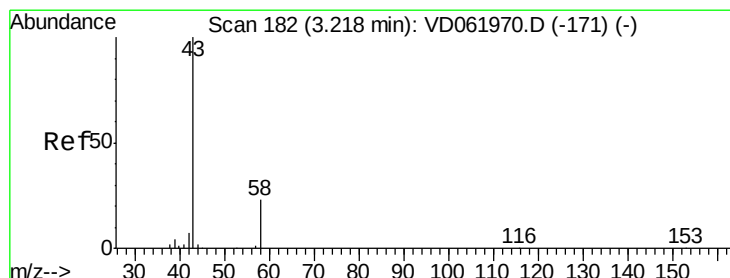
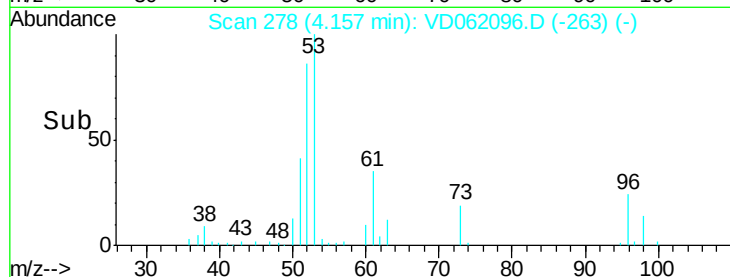
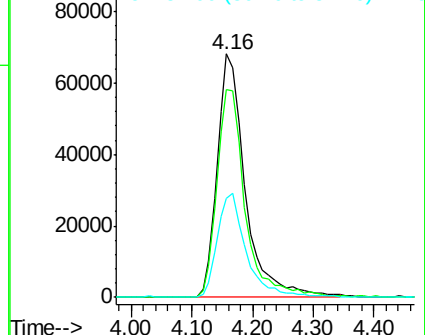
53 100

52 85.5 65.0 97.4

51 40.9 32.6 48.8



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: 297.525 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062096.D

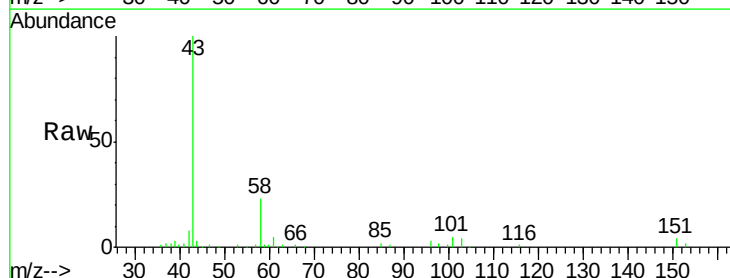
Acq: 1 May 2019 11:47

Tgt Ion: 43 Resp: 343935

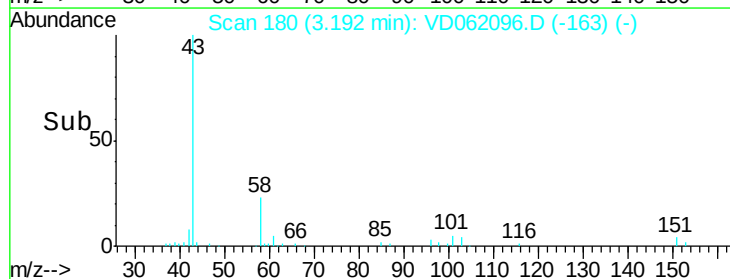
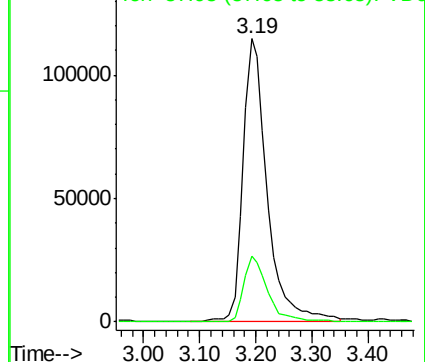
Ion Ratio Lower Upper

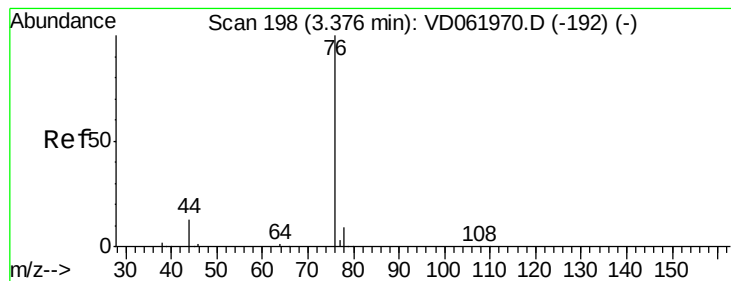
43 100

58 23.3 19.9 29.9



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





#17

Carbon Disulfide

Concen: 45.029 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

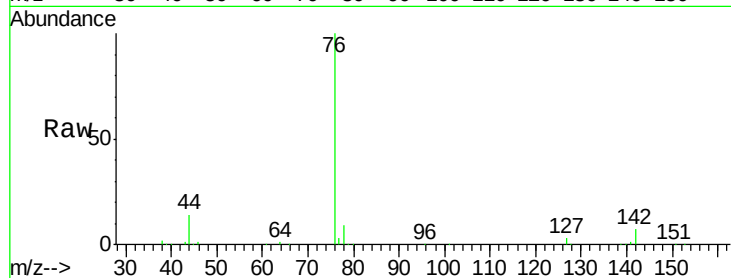
VSTDCCC050

Tot Ion: 76 Resp: 656088

Ion Ratio Lower Upper

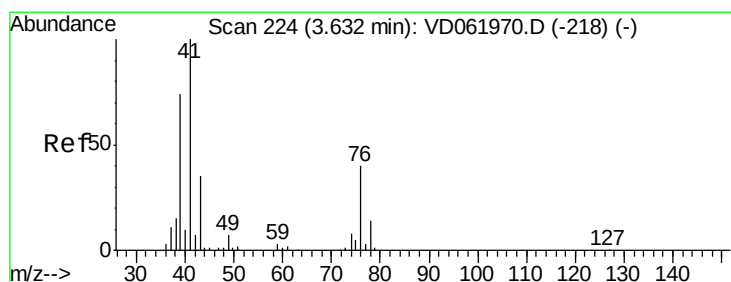
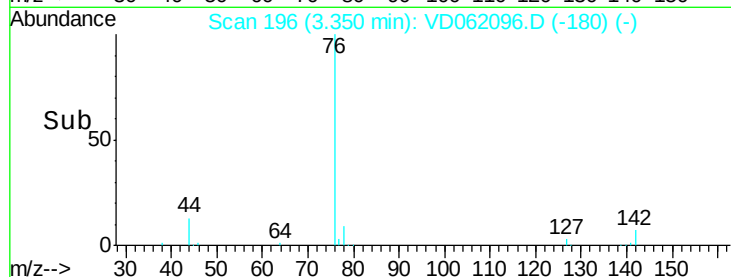
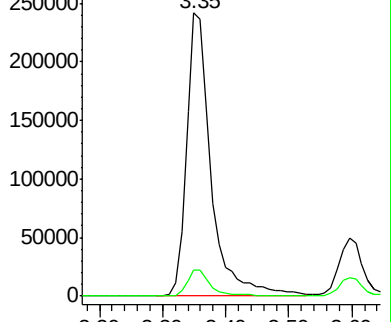
76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 53.342 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.03 min

Lab File: VD062096.D

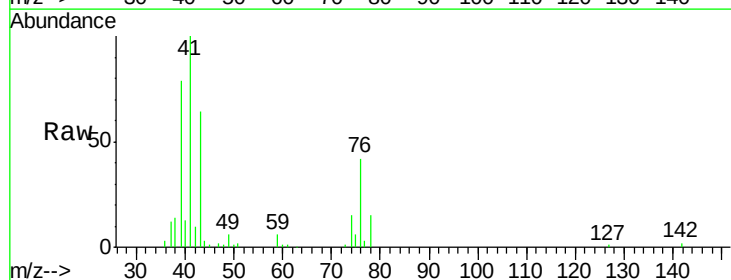
Acq: 1 May 2019 11:47

Tgt Ion: 43 Resp: 111528

Ion Ratio Lower Upper

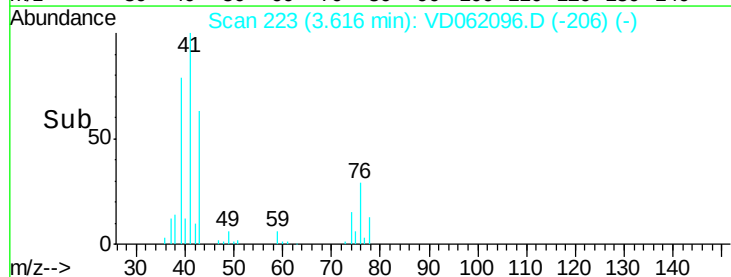
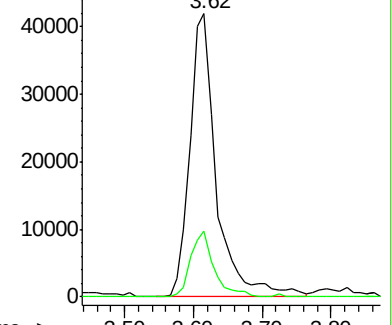
43 100

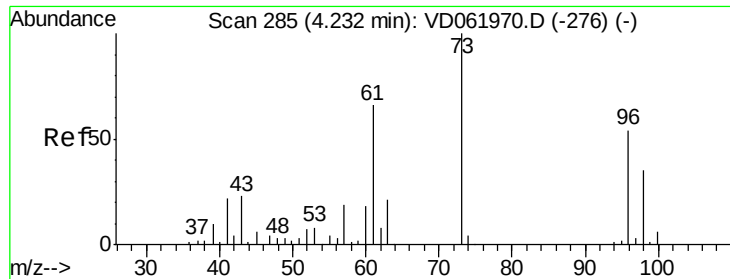
74 23.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

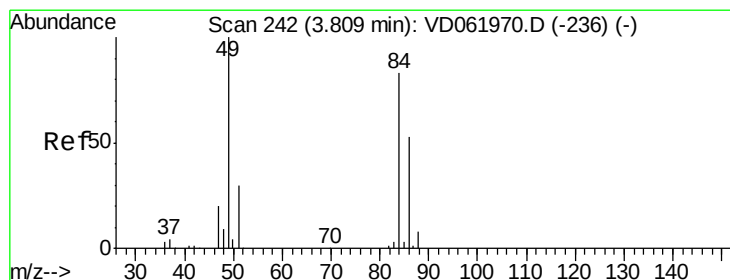
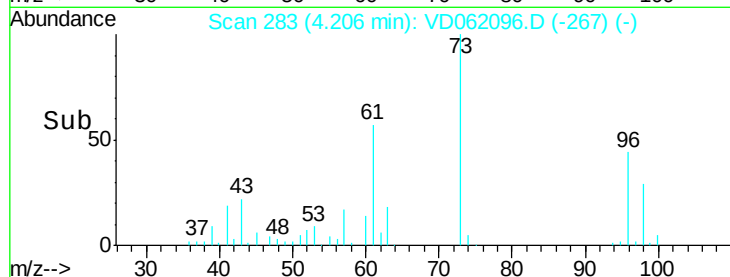
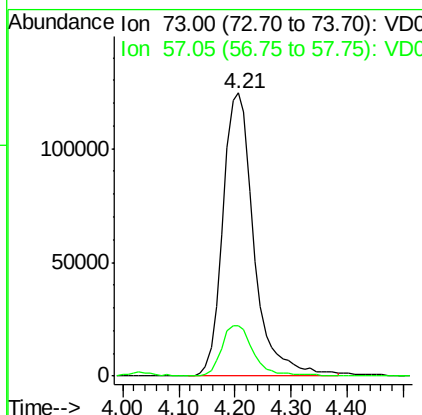
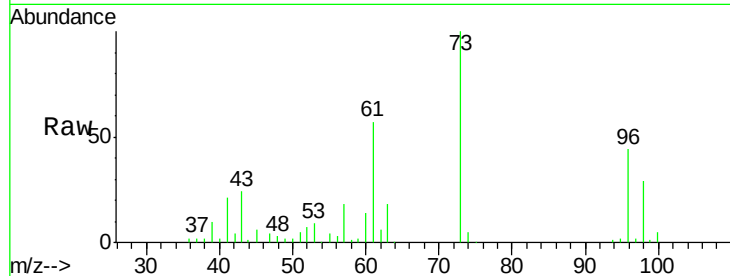




#19
Methyl tert-butyl Ether
Concen: 48.062 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

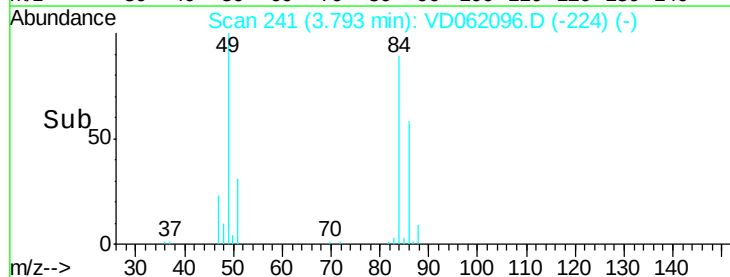
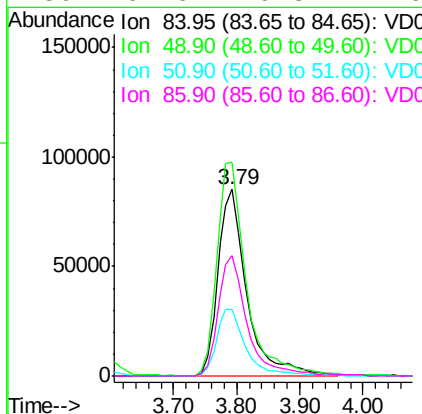
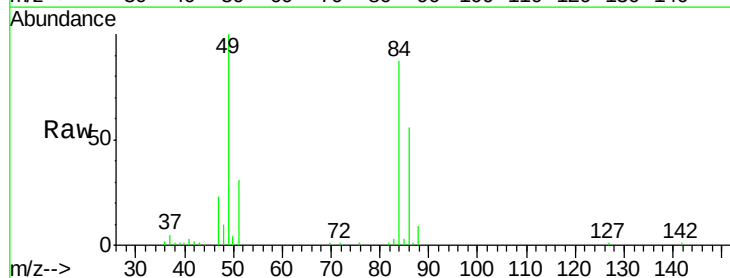
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

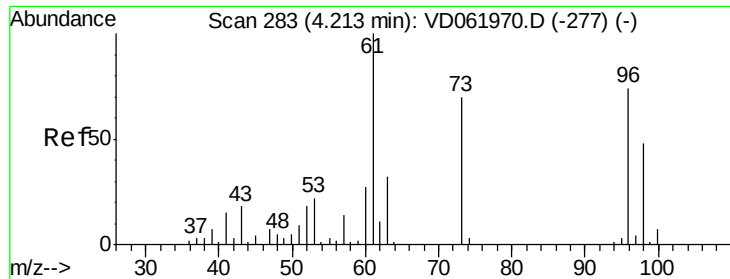
Tot Ion: 73 Resp: 480829
Ion Ratio Lower Upper
73 100
57 17.7 16.3 24.5



#20
Methylene Chloride
Concen: 48.237 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 84 Resp: 272092
Ion Ratio Lower Upper
84 100
49 114.5 94.0 141.0
51 35.5 29.0 43.4
86 64.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 45.051 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

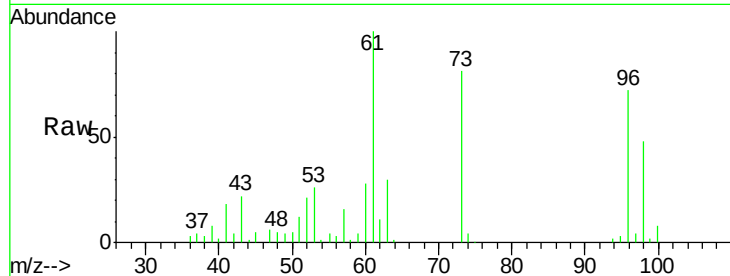
Tot Ion: 96 Resp: 260588

Ion Ratio Lower Upper

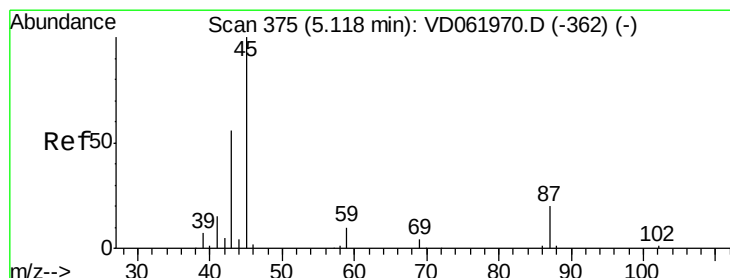
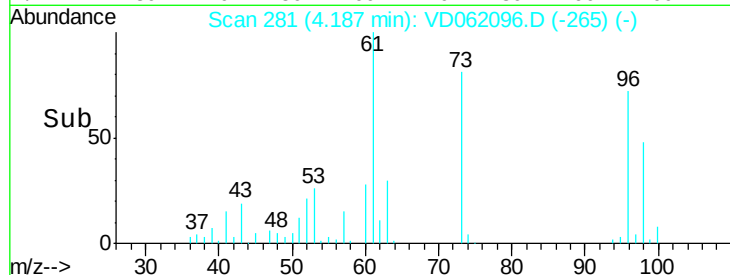
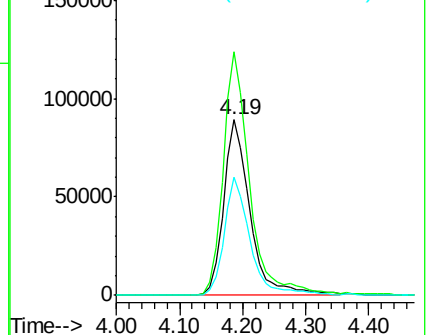
96 100

61 139.0 104.4 156.6

98 67.2 51.8 77.8



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: 47.025 ug/l

RT: 5.08 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Tgt Ion: 45 Resp: 755906

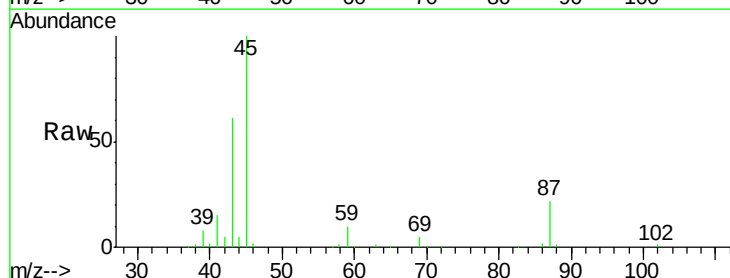
Ion Ratio Lower Upper

45 100

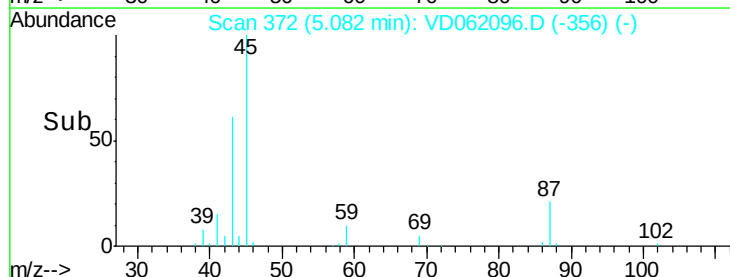
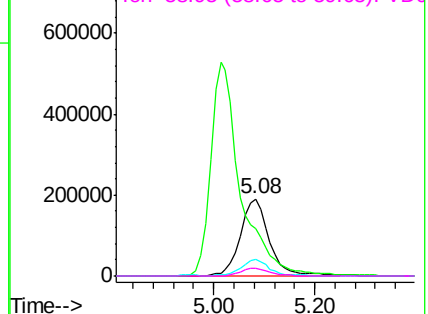
43 61.5 46.2 69.2

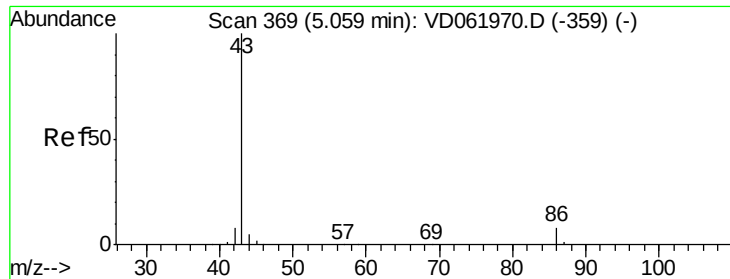
87 21.8 15.9 23.9

59 9.9 7.9 11.9



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: 258.221 ug/l

RT: 5.01 min Scan# 365

Delta R.T. -0.05 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleID :

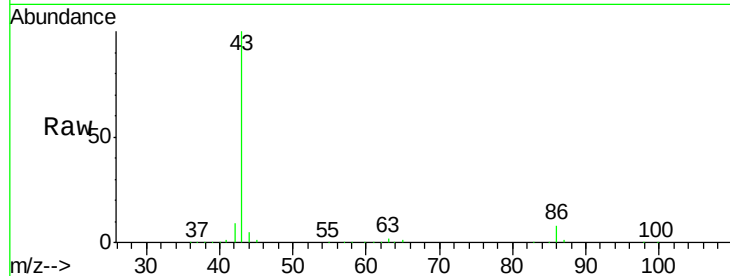
VSTDCCC050

Tot Ion: 43 Resp: 2161616

Ion Ratio Lower Upper

43 100

86 8.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.01

600000

500000

400000

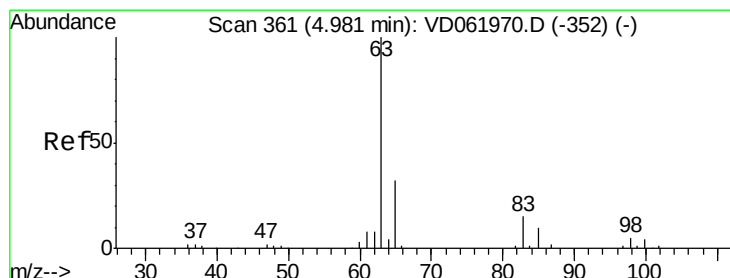
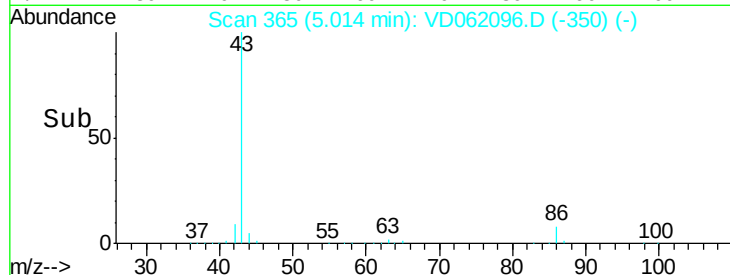
300000

200000

100000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 46.372 ug/l

RT: 4.94 min Scan# 358

Delta R.T. -0.05 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

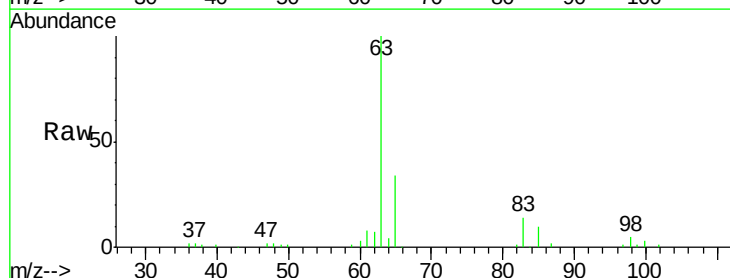
Tgt Ion: 63 Resp: 450538

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

100 2.8 1.8 5.5



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

4.94

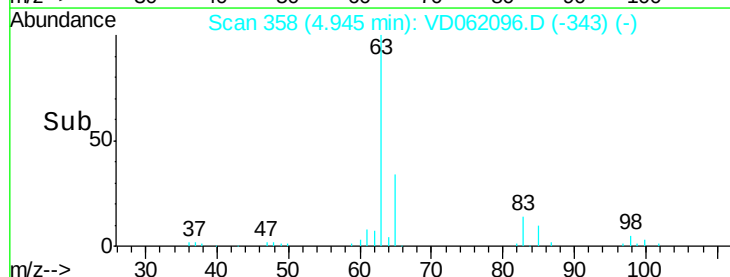
150000

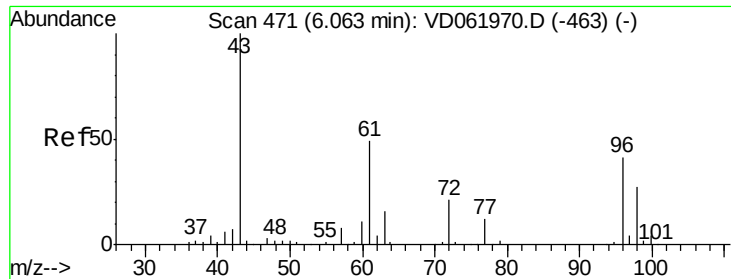
100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 259.054 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

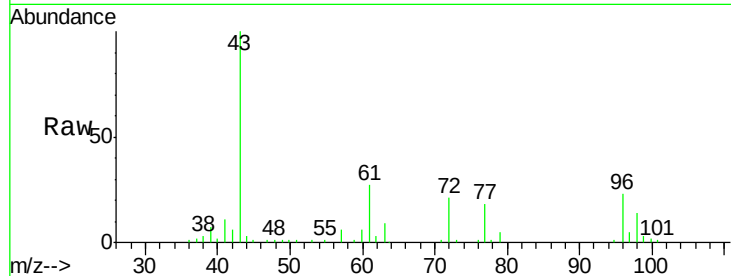
VSTDCCC050

Tot Ion: 43 Resp: 363077

Ion Ratio Lower Upper

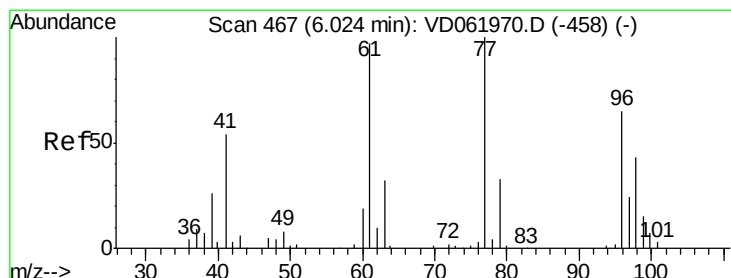
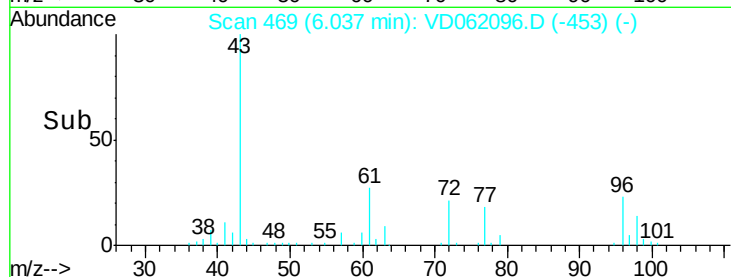
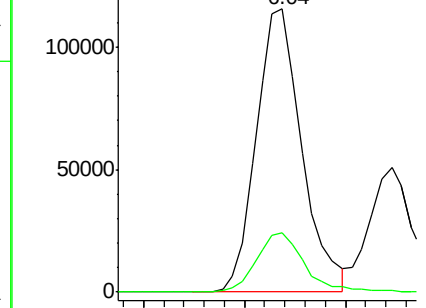
43 100

72 21.2 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.149 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.04 min

Lab File: VD062096.D

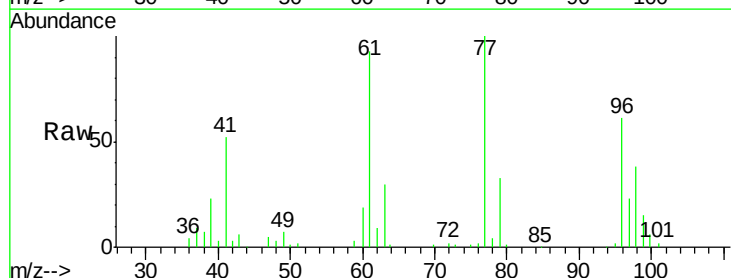
Acq: 1 May 2019 11:47

Tgt Ion: 77 Resp: 416586

Ion Ratio Lower Upper

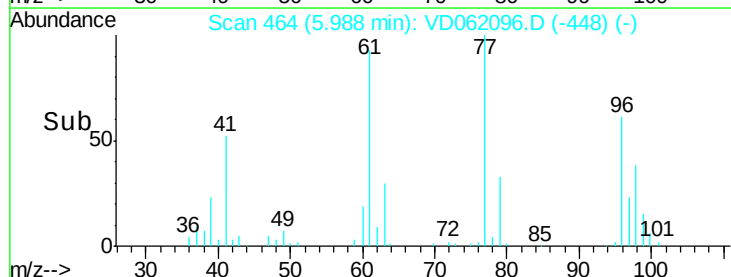
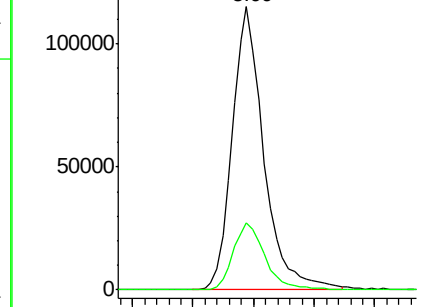
77 100

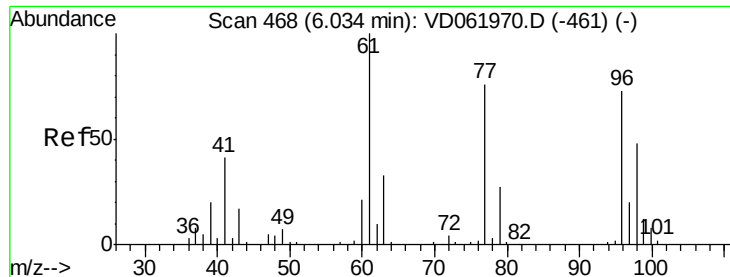
97 23.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



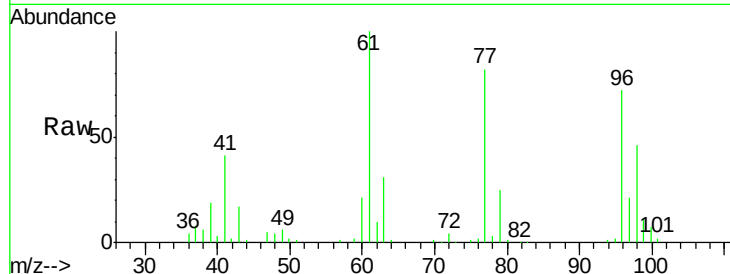


#27

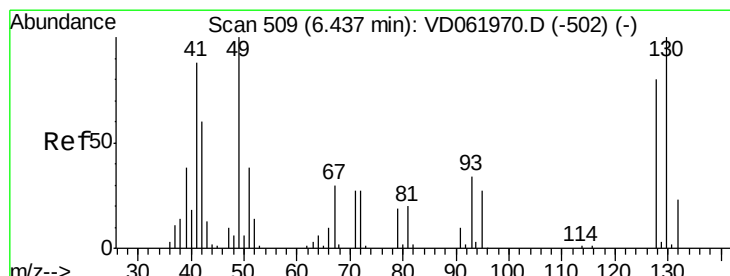
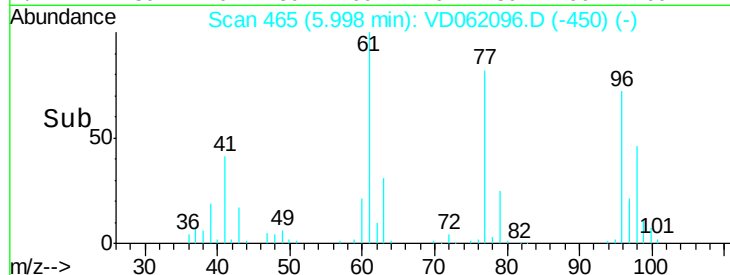
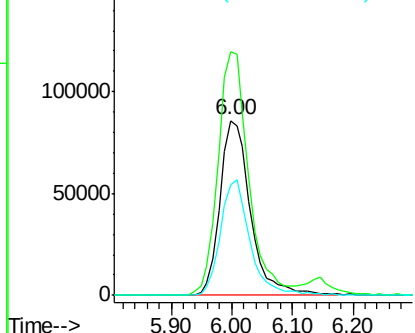
cis-1,2-Dichloroethene
Concen: 45.611 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.05 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 300130
Ion Ratio Lower Upper
96 100
61 139.5 0.0 279.8
98 63.6 0.0 136.0



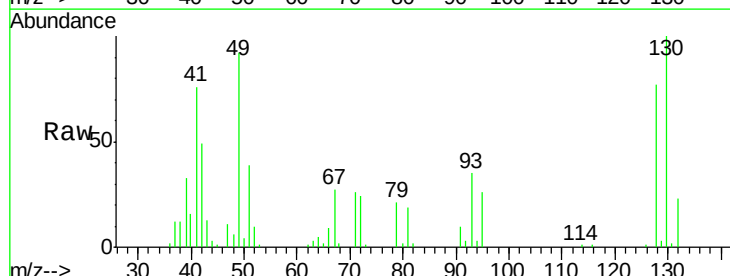
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



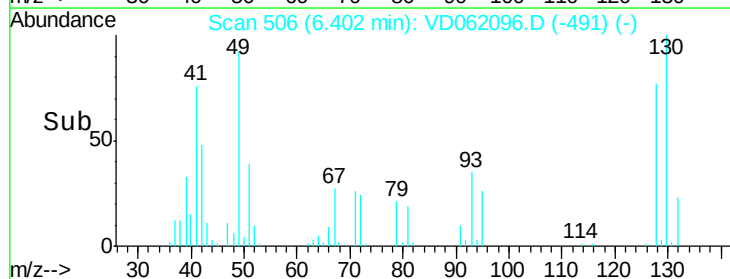
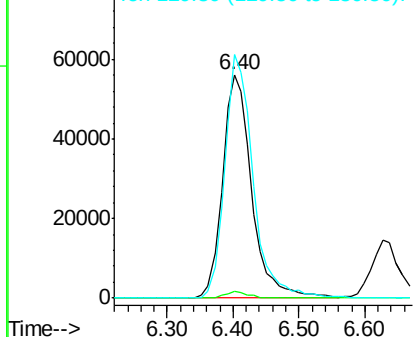
#28

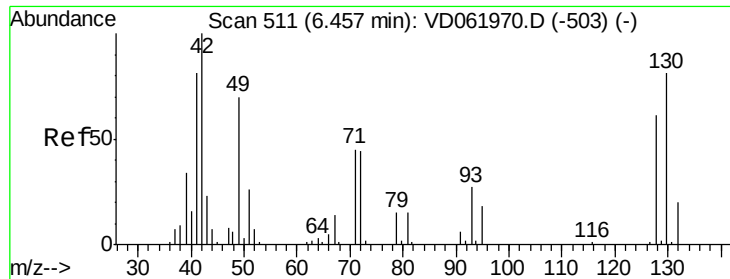
Bromochloromethane
Concen: 46.456 ug/l
RT: 6.40 min Scan# 506
Delta R.T. -0.05 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 49 Resp: 172699
Ion Ratio Lower Upper
49 100
129 2.9 0.0 6.6
130 109.0 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 229.775 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

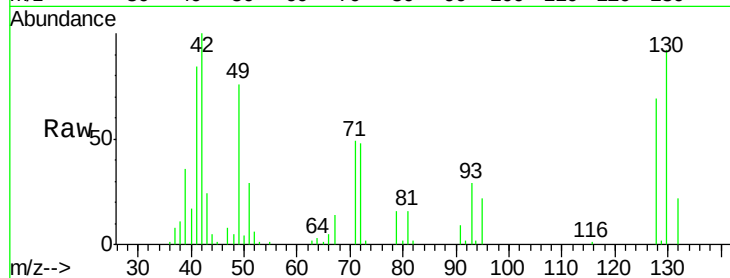
Tot Ion: 42 Resp: 158678

Ion Ratio Lower Upper

42 100

72 48.5 37.8 56.6

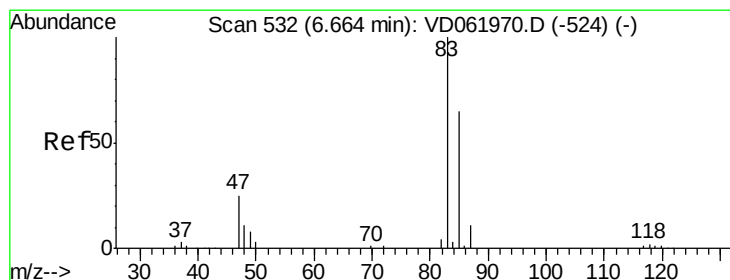
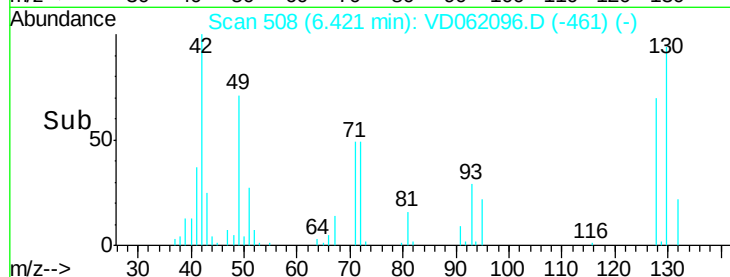
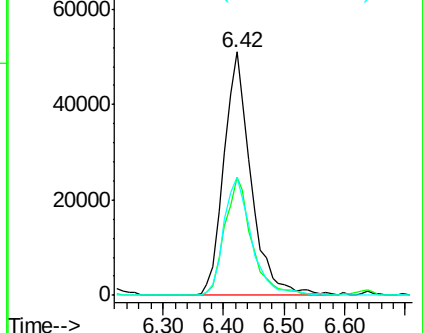
71 49.5 36.7 55.1



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: 47.354 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.04 min

Lab File: VD062096.D

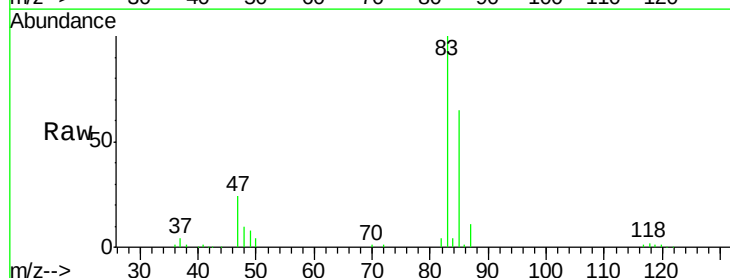
Acq: 1 May 2019 11:47

Tgt Ion: 83 Resp: 522565

Ion Ratio Lower Upper

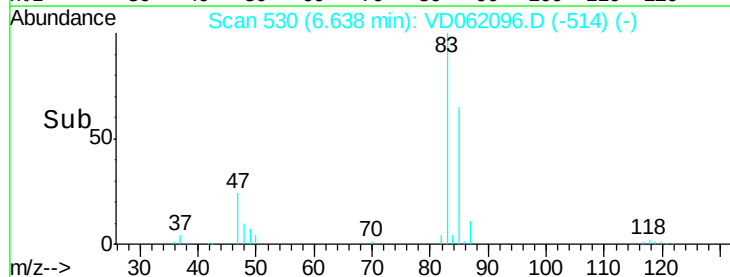
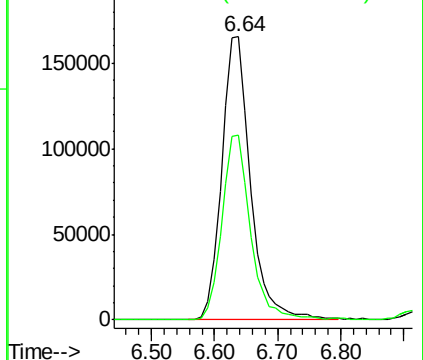
83 100

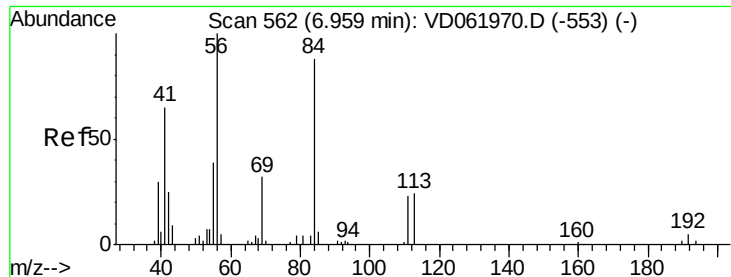
85 65.2 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

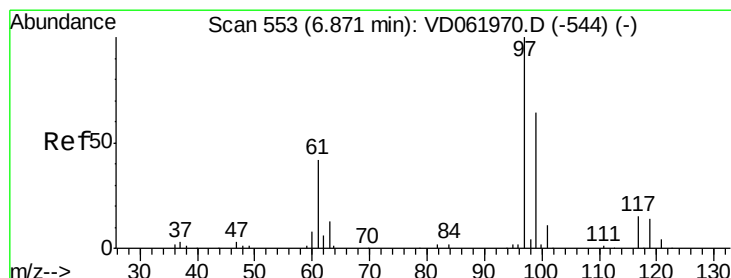
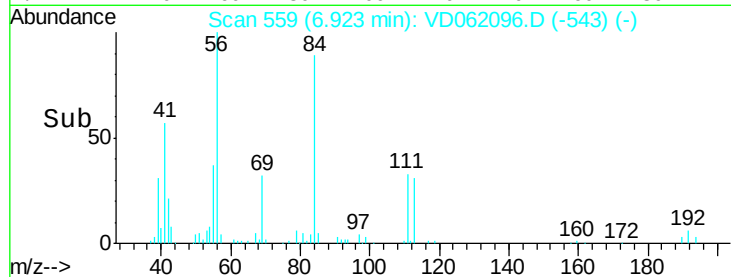
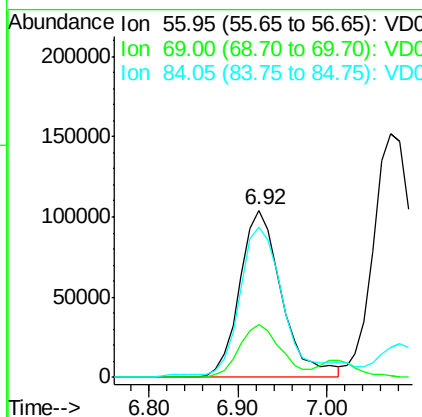
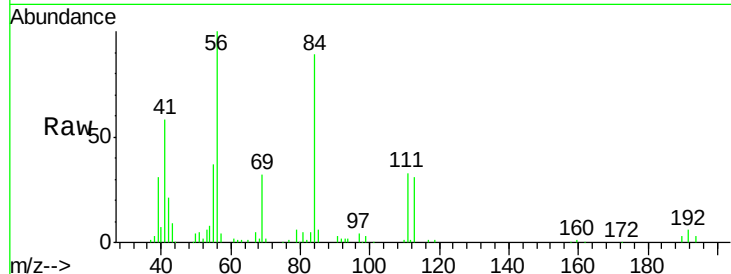




#31
Cyclohexane
Concen: 47.099 ug/l
RT: 6.92 min Scan# 559
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

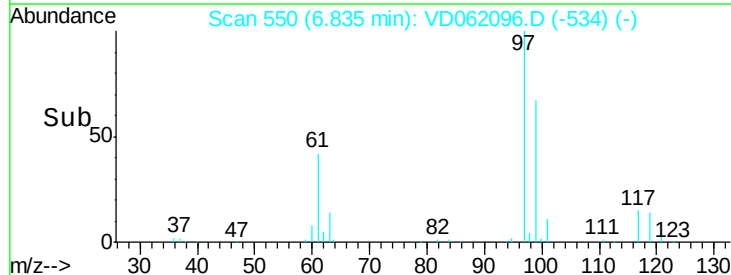
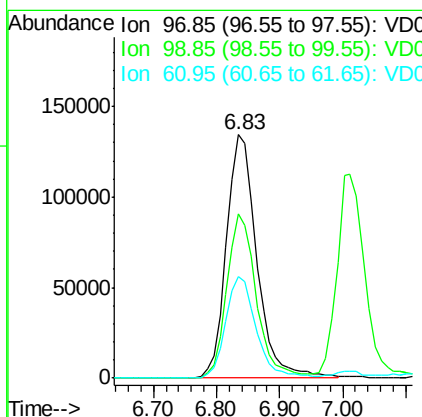
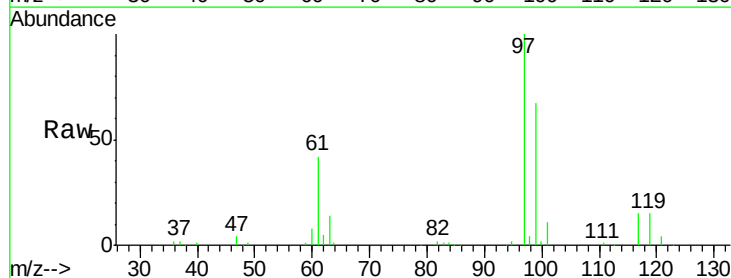
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

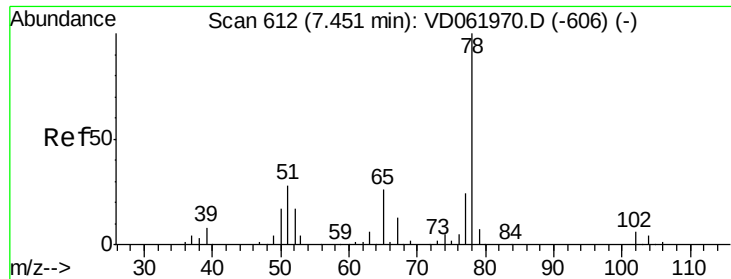
Tot Ion: 56 Resp: 339656
Ion Ratio Lower Upper
56 100
69 31.9 25.8 38.6
84 89.5 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 46.773 ug/l
RT: 6.83 min Scan# 550
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 97 Resp: 449098
Ion Ratio Lower Upper
97 100
99 67.5 52.2 78.2
61 41.9 32.4 48.6

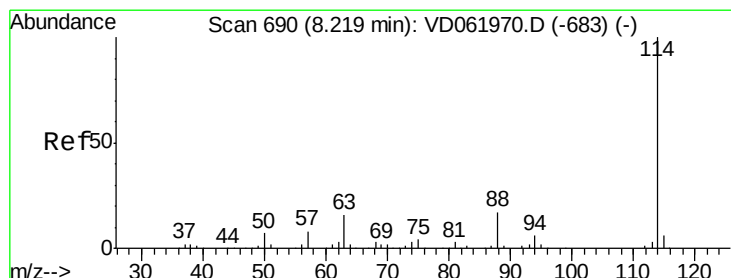
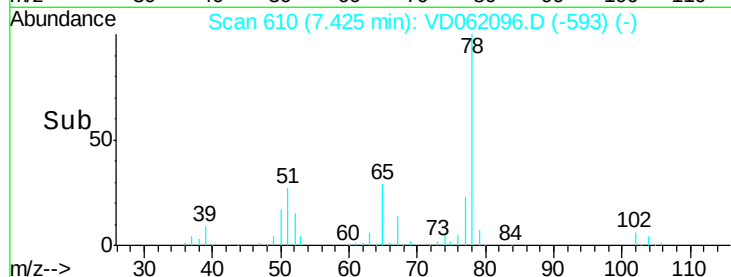
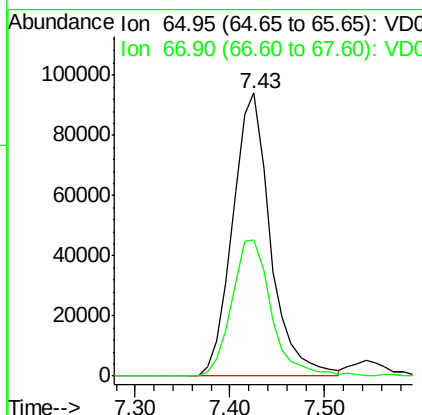
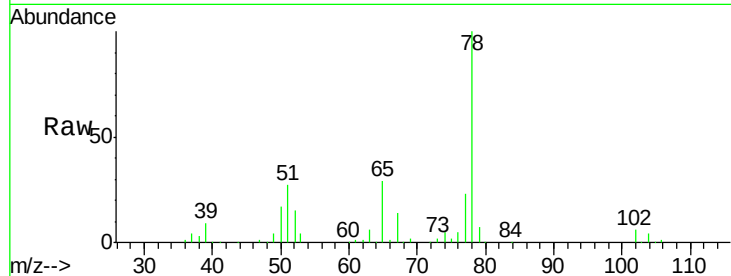




#33
 1,2-Dichloroethane-d4
 Concen: 53.671 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

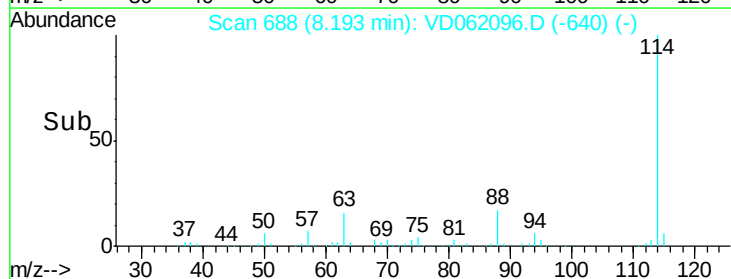
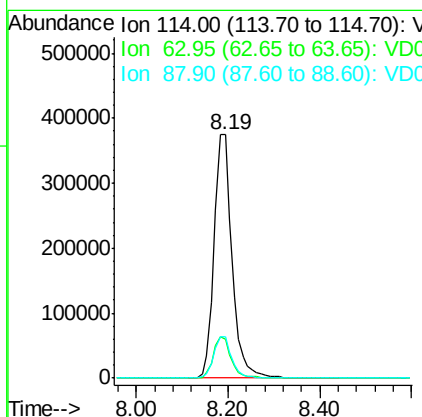
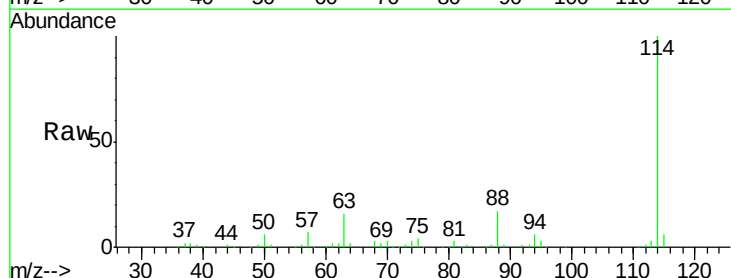
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

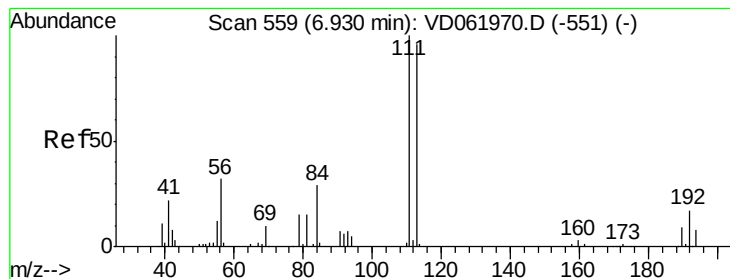
Tot Ion: 65 Resp: 259844
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion: 114 Resp: 1001848
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 32.4
 88 16.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.245 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

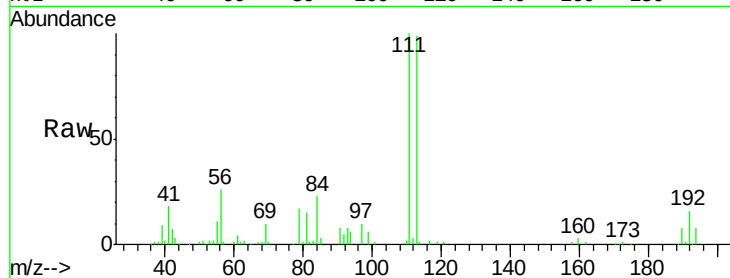
Tot Ion:113 Resp: 361995

Ion	Ratio	Lower	Upper
113	100		
111	100.8	78.5	117.7
192	16.2	13.0	19.4

113 100

111 100.8 78.5 117.7

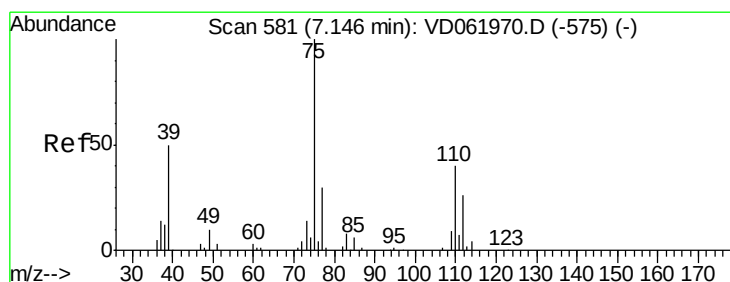
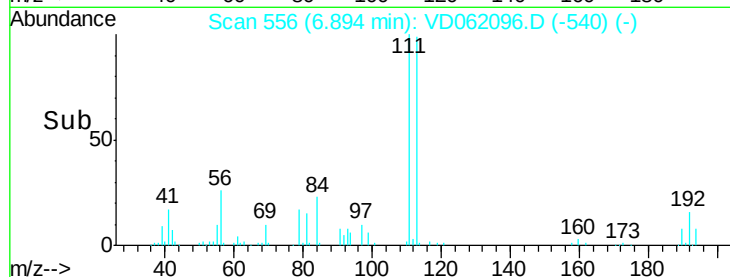
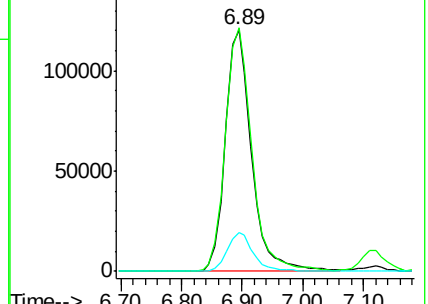
192 16.2 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.245 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

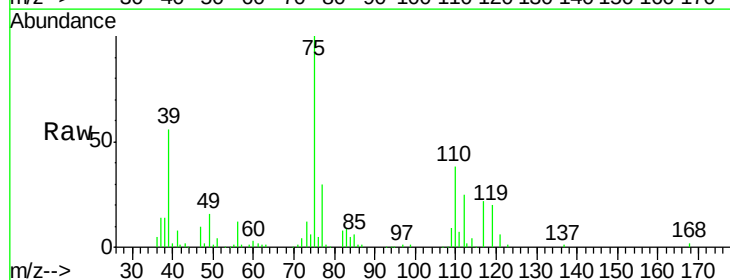
Tgt Ion: 75 Resp: 399993

Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.1	57.1
77	29.8	25.6	38.4

75 100

110 38.1 19.1 57.1

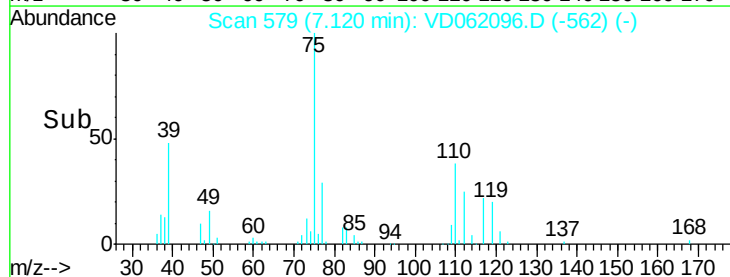
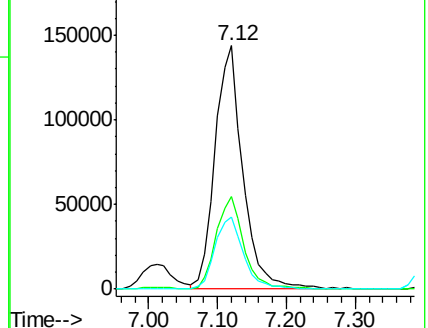
77 29.8 25.6 38.4

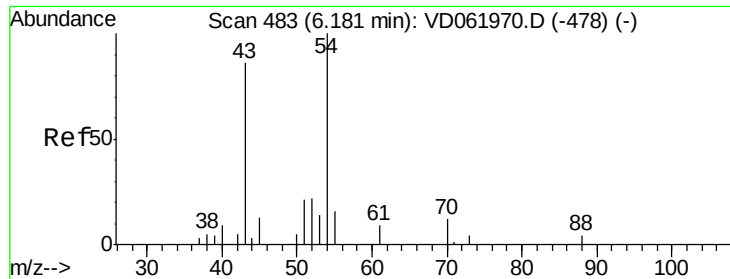


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

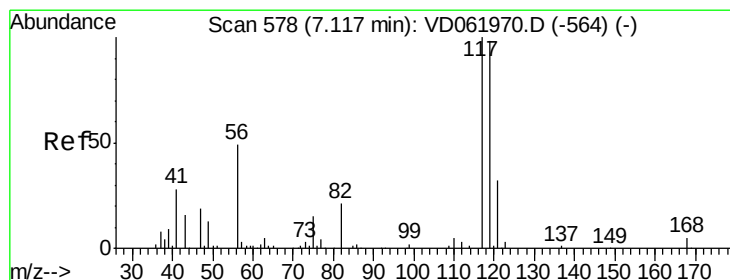
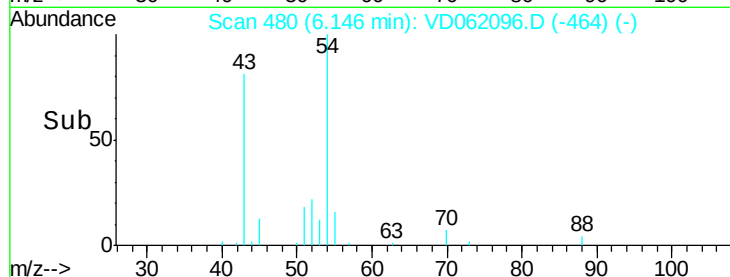
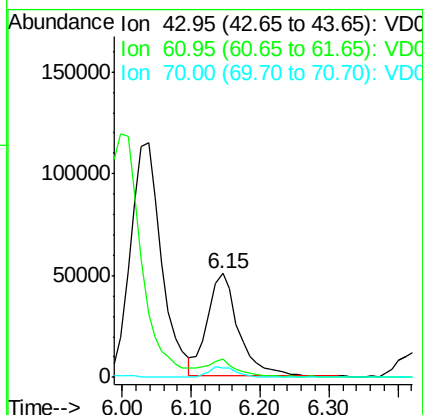
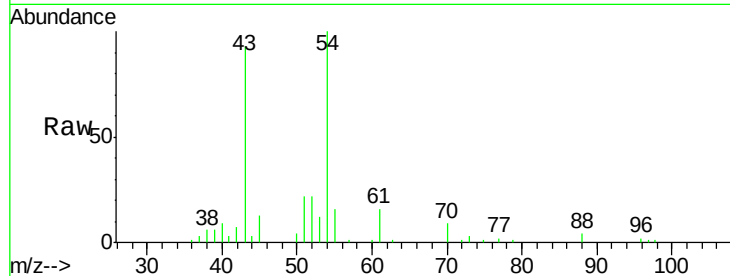




#37
Ethyl Acetate
Concen: 48.223 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

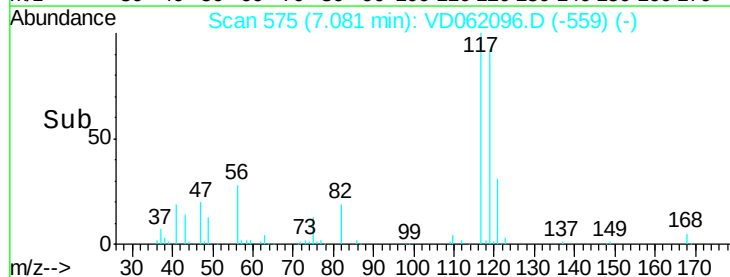
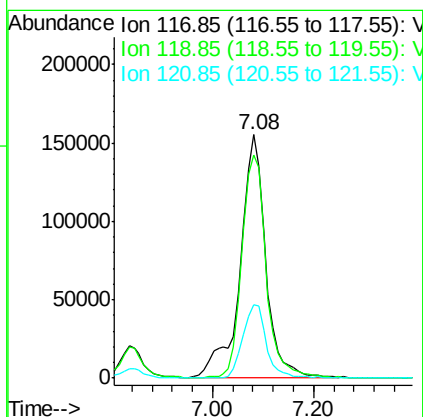
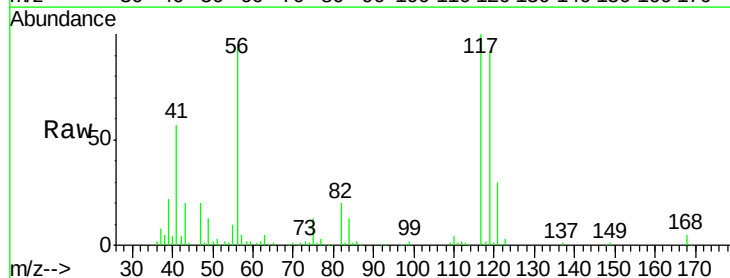
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

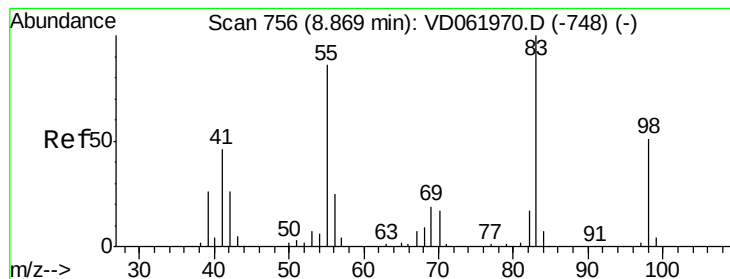
Tot Ion: 43 Resp: 160399
Ion Ratio Lower Upper
43 100
61 17.2 14.7 22.1
70 9.2 7.8 11.6



#38
Carbon Tetrachloride
Concen: 55.136 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 117 Resp: 545343
Ion Ratio Lower Upper
117 100
119 91.8 75.8 113.8
121 30.4 25.9 38.9





#39

Methylvlcyclohexane

Concen: 51.881 ug/l

RT: 8.83 min Scan# 753

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

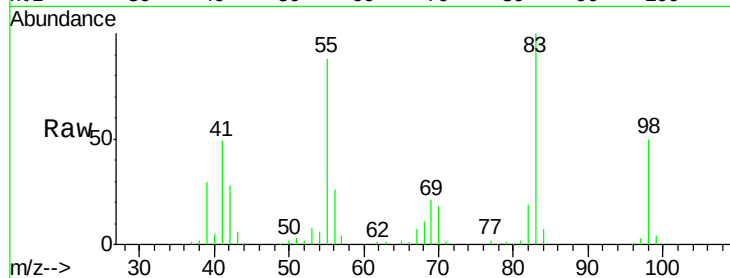
Tot Ion: 83 Resp: 399538

Ion Ratio Lower Upper

83 100

55 88.5 68.2 102.4

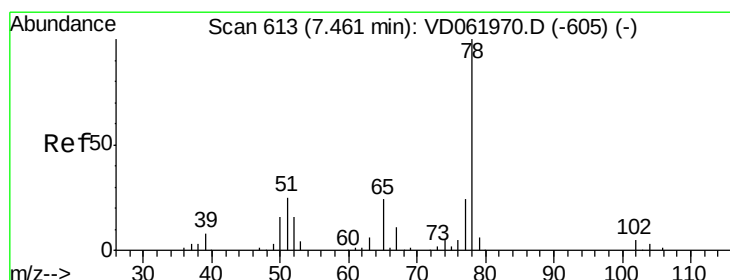
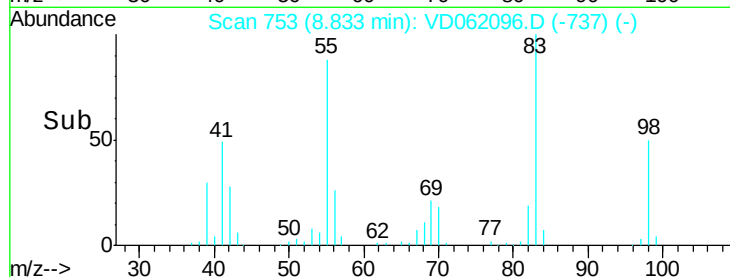
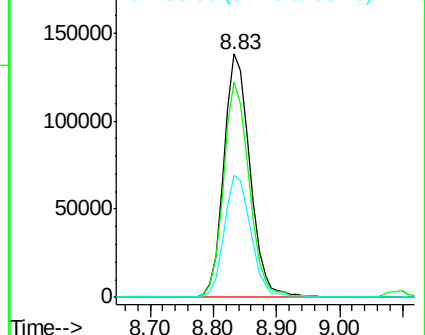
98 50.3 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 47.452 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.04 min

Lab File: VD062096.D

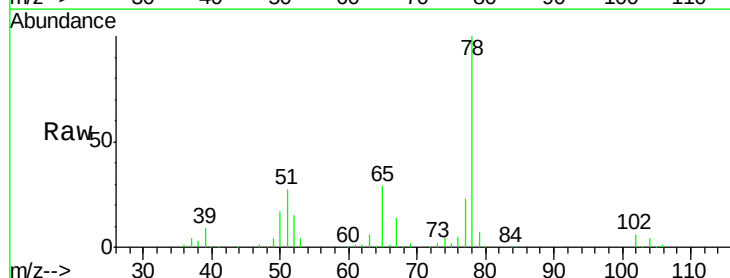
Acq: 1 May 2019 11:47

Tgt Ion: 78 Resp: 916946

Ion Ratio Lower Upper

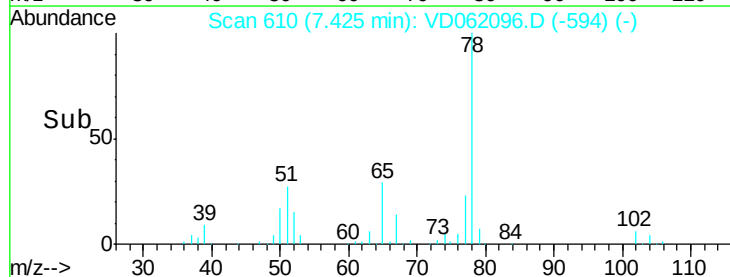
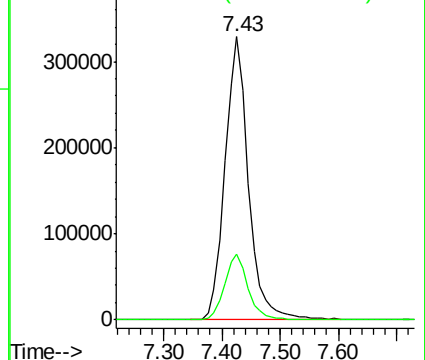
78 100

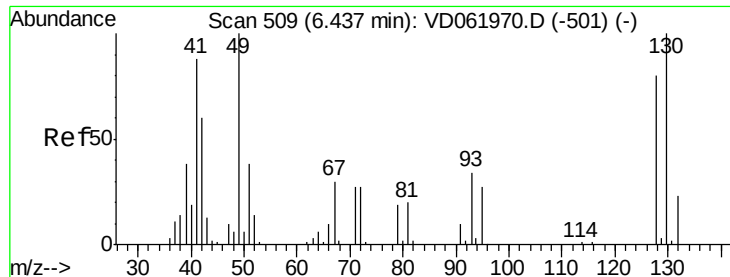
77 23.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

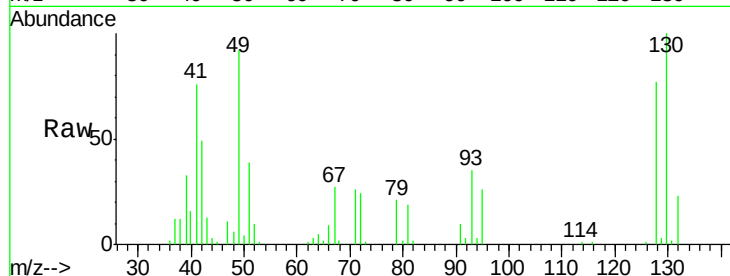




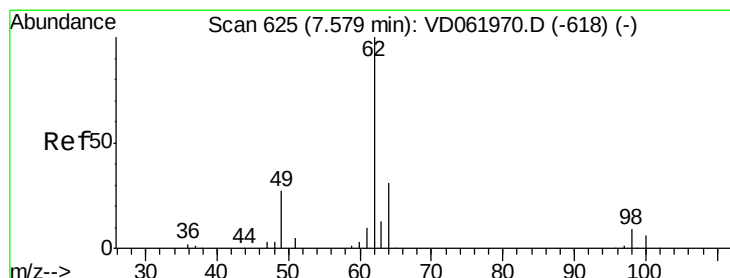
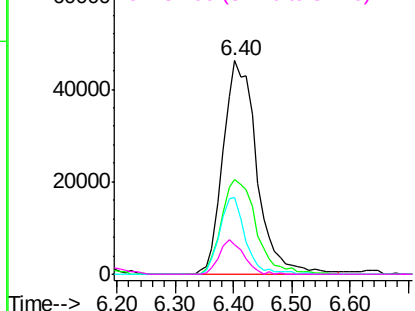
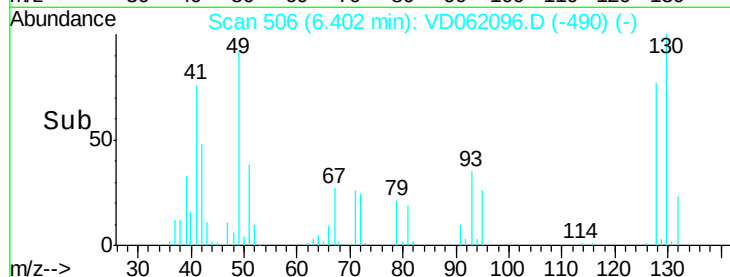
#41
Methacrylonitrile
Concen: 47.894 ug/l
RT: 6.40 min Scan# 506
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 185875
Ion Ratio Lower Upper
41 100
39 44.2 34.1 51.1
67 35.8 23.8 35.6#
52 13.6 8.8 13.2#

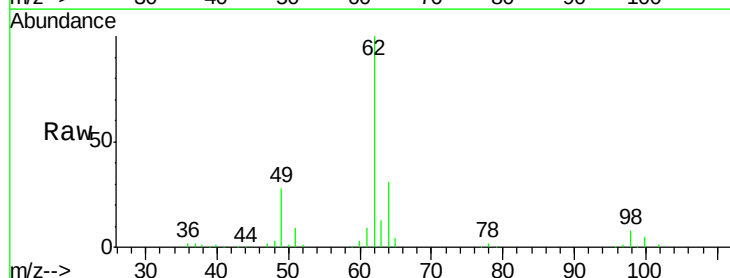


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

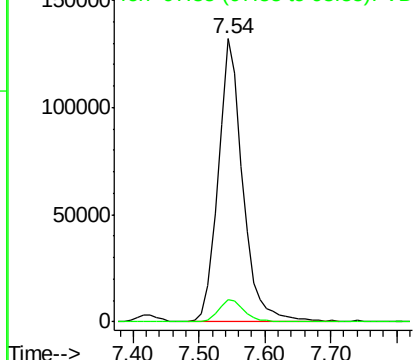
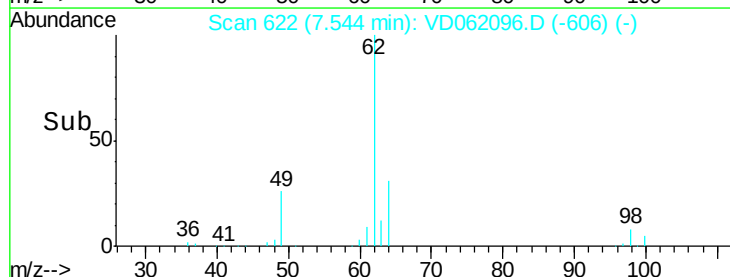


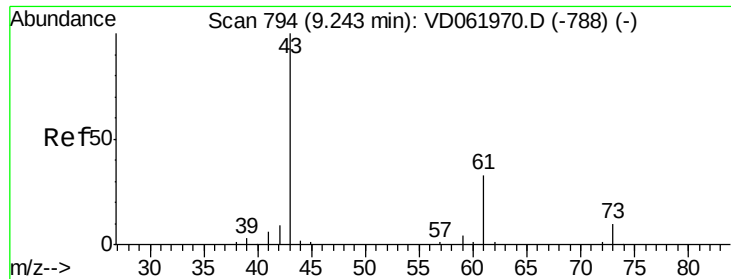
#42
1,2-Dichloroethane
Concen: 52.265 ug/l
RT: 7.54 min Scan# 622
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 62 Resp: 342916
Ion Ratio Lower Upper
62 100
98 8.0 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 49.206 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

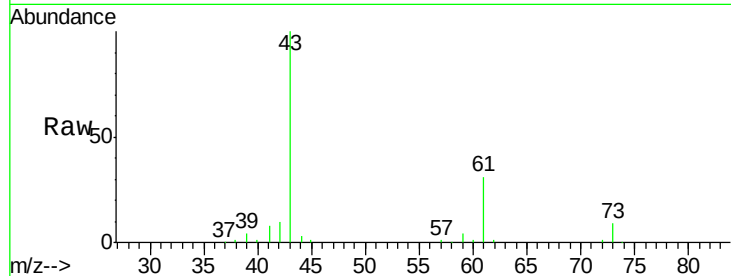
Tot Ion: 43 Resp: 239144

Ion Ratio Lower Upper

43 100

61 31.3 25.1 37.7

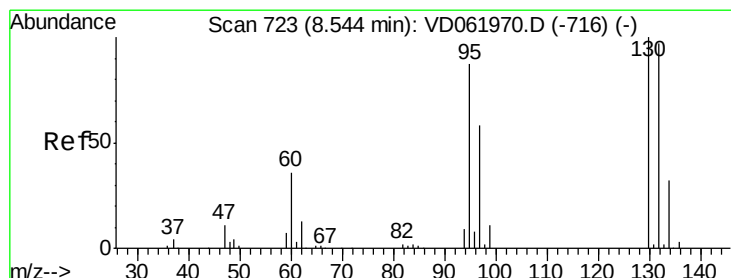
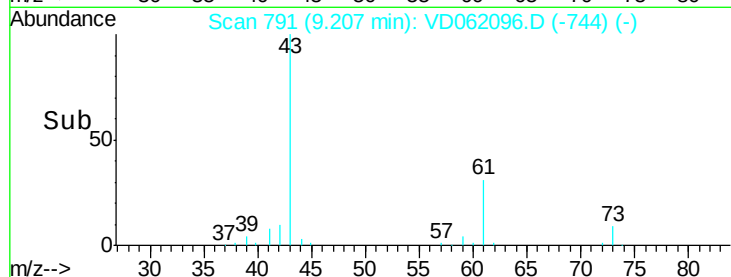
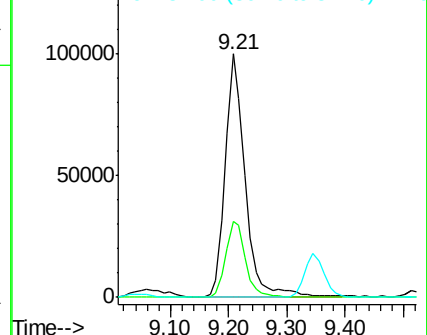
87 0.0 0.0 0.0



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: 47.993 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.04 min

Lab File: VD062096.D

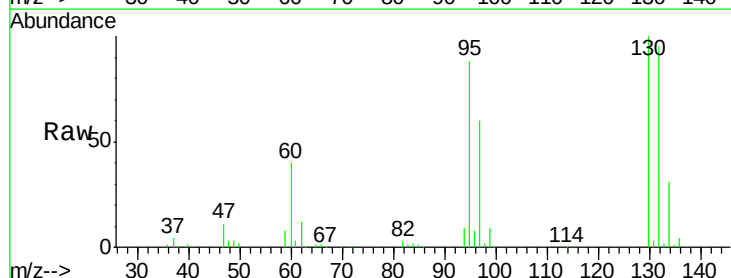
Acq: 1 May 2019 11:47

Tgt Ion:130 Resp: 359538

Ion Ratio Lower Upper

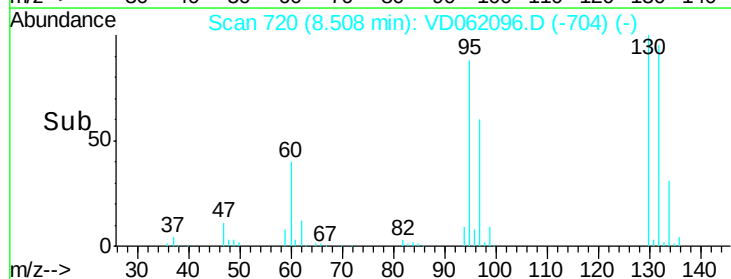
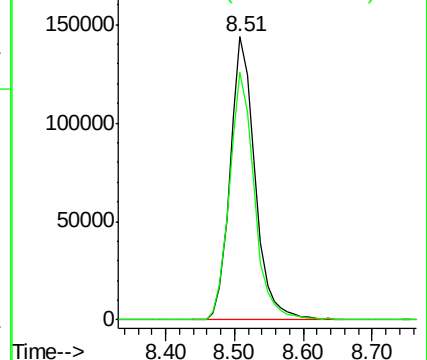
130 100

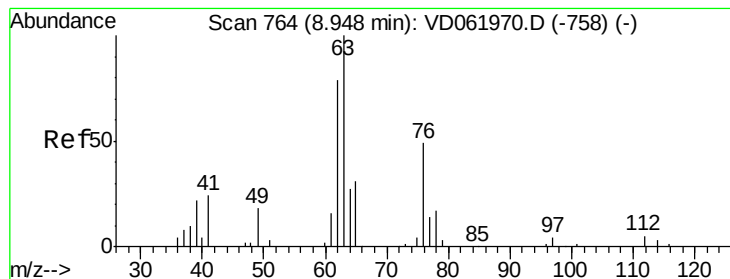
95 87.6 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.115 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

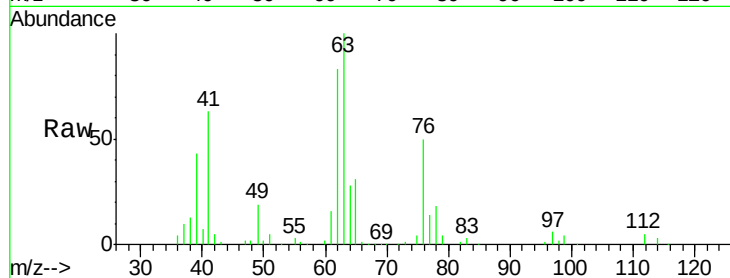
VSTDCCC050

Tot Ion: 63 Resp: 235873

Ion Ratio Lower Upper

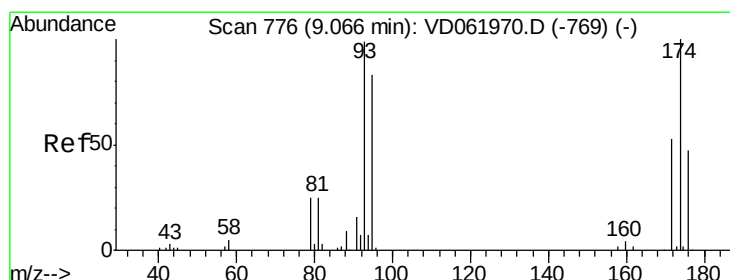
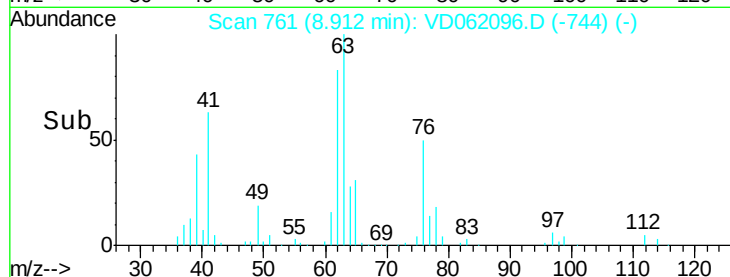
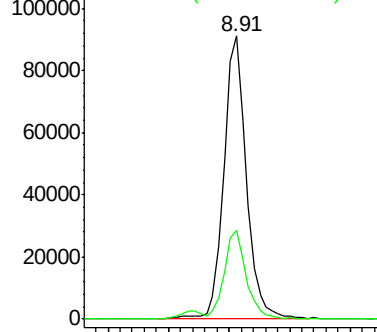
63 100

65 31.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 46.932 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.03 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

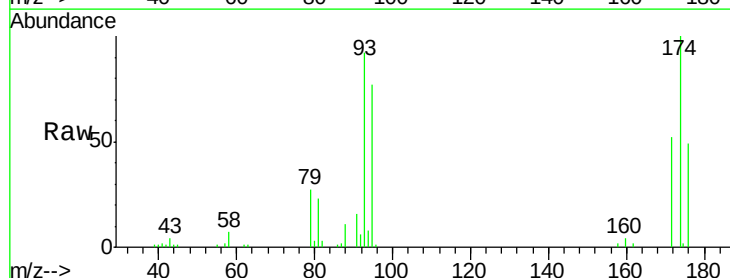
Tgt Ion: 93 Resp: 165550

Ion Ratio Lower Upper

93 100

95 83.4 64.8 97.2

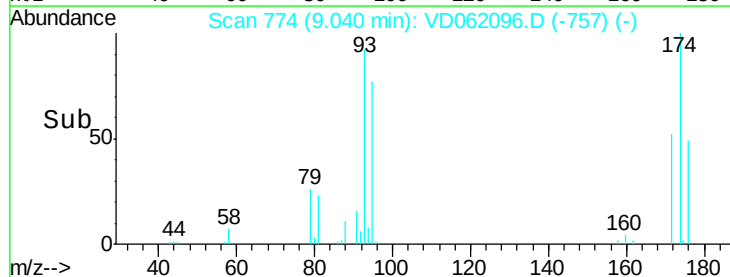
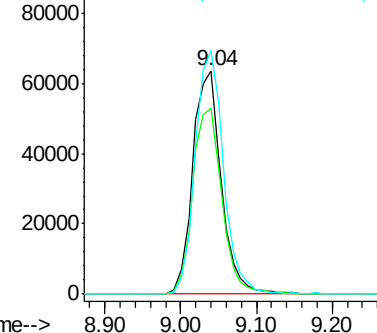
174 108.9 79.3 118.9

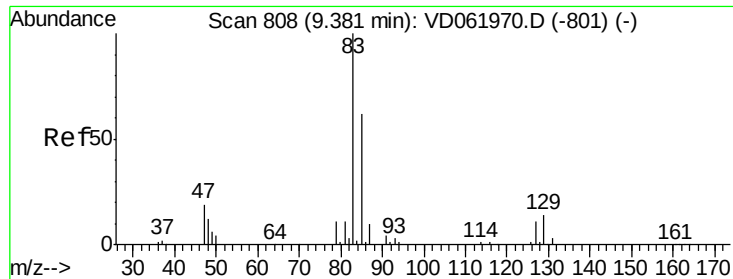


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.471 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

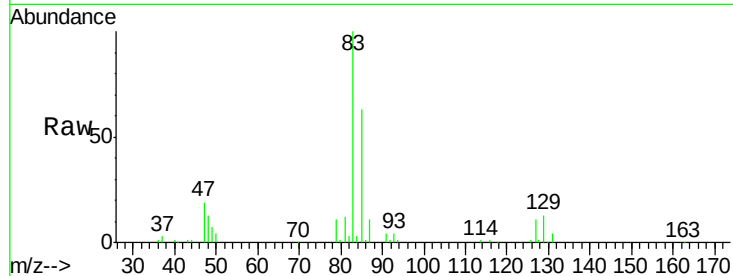
Tot Ion: 83 Resp: 420665

Ion Ratio Lower Upper

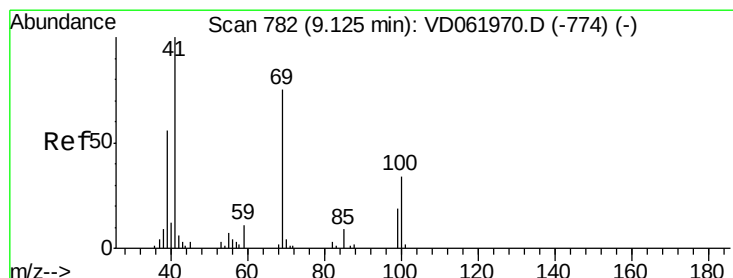
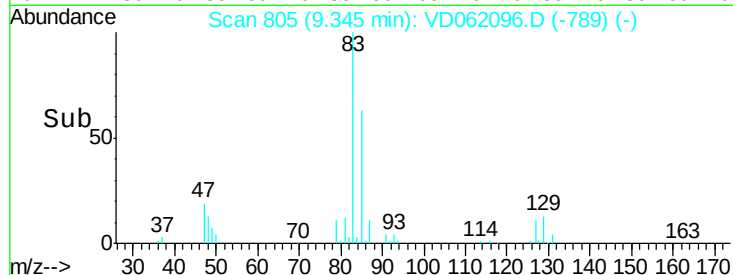
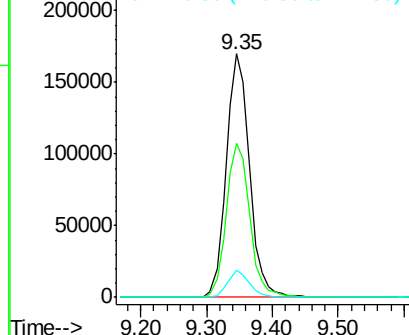
83 100

85 63.1 50.9 76.3

127 11.3 8.1 12.1



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: 49.568 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.04 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

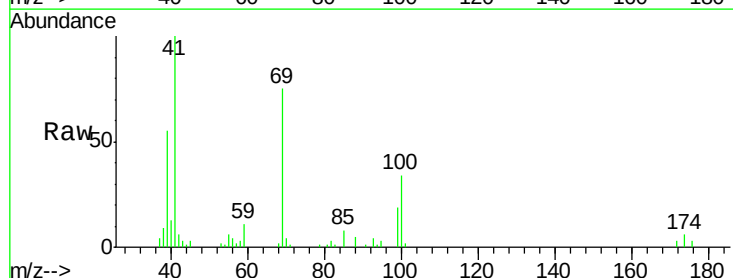
Tgt Ion: 41 Resp: 137446

Ion Ratio Lower Upper

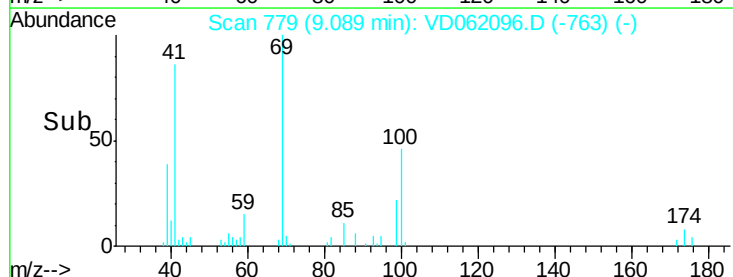
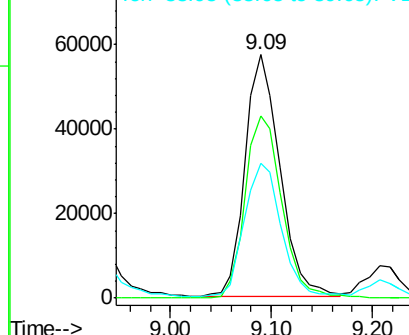
41 100

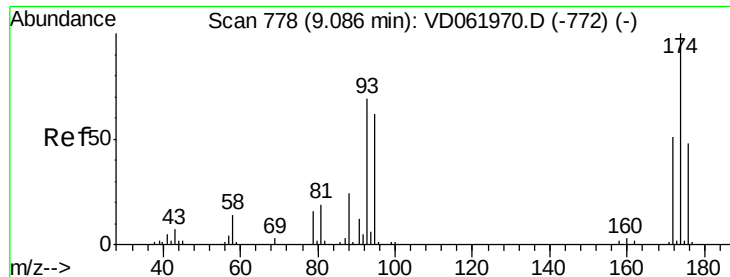
69 74.9 64.2 96.2

39 55.4 46.8 70.2



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

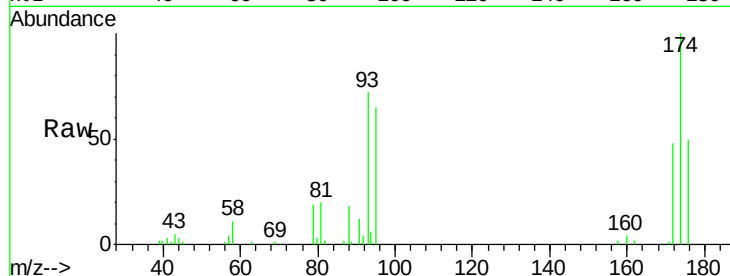




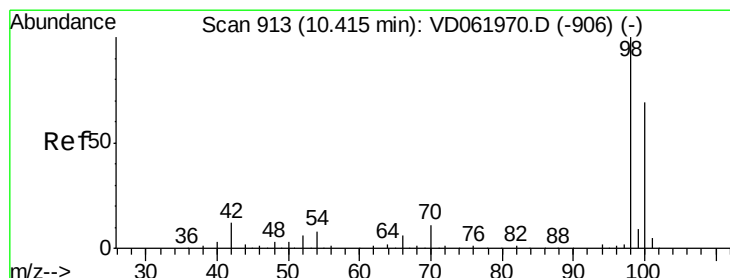
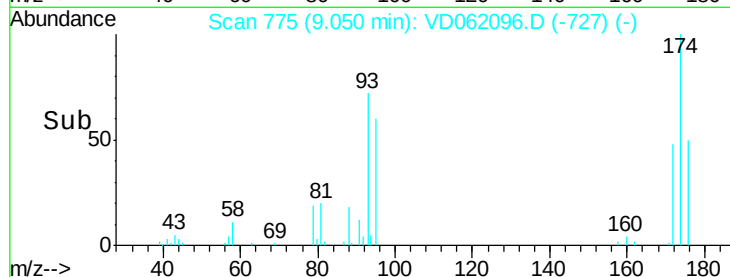
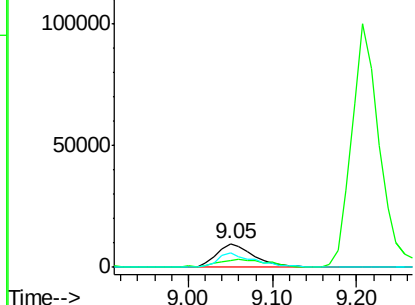
#49
1,4-Dioxane
Concen: 995.037 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 29747
Ion Ratio Lower Upper
88 100
43 29.7 23.4 35.0
58 59.2 44.0 66.0

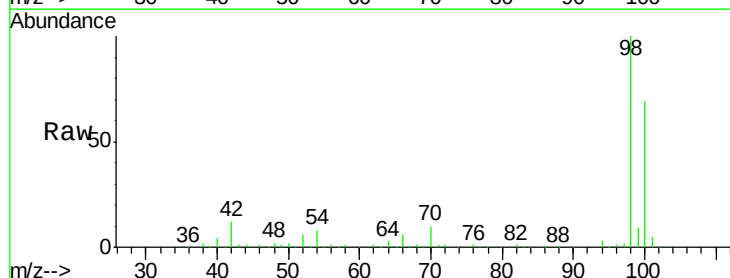


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

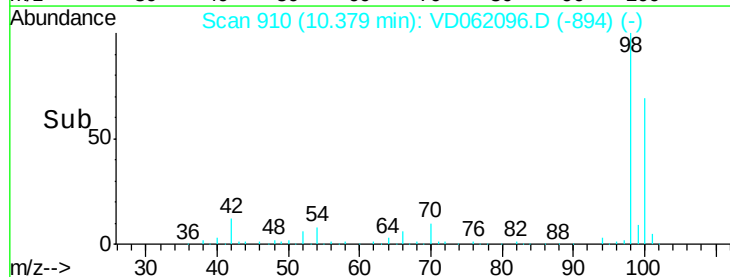
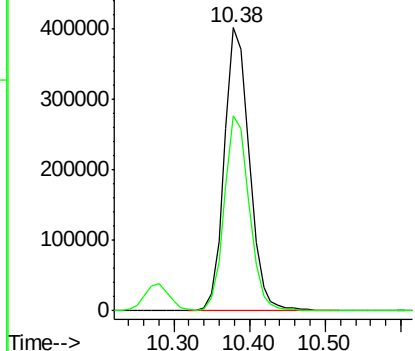


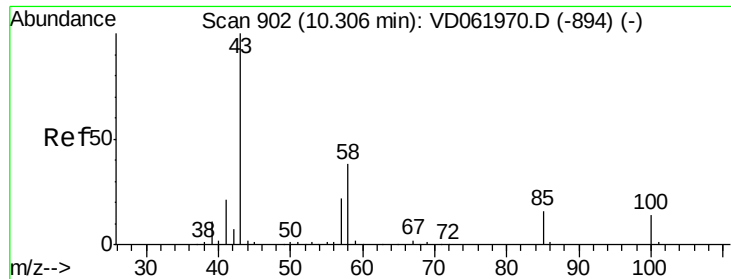
#50
Toluene-d8
Concen: 55.851 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.04 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 98 Resp: 920818
Ion Ratio Lower Upper
98 100
100 69.0 53.8 80.8



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: 247.523 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.03 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

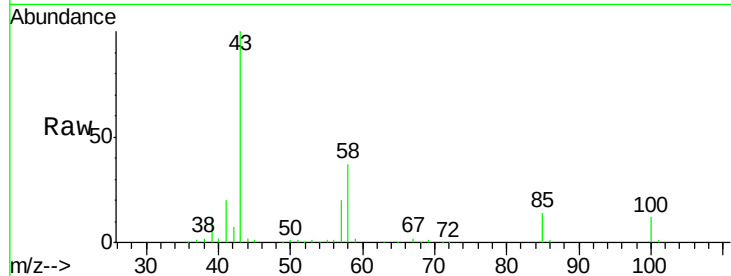
VSTDCCC050

Tot Ion: 43 Resp: 735685

Ion Ratio Lower Upper

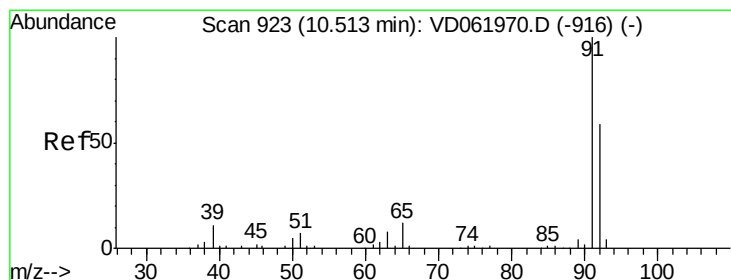
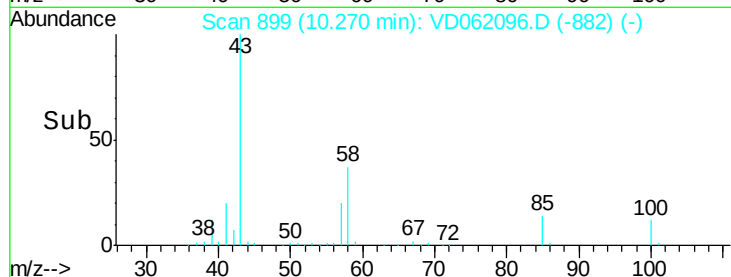
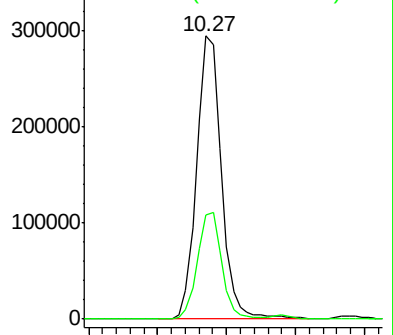
43 100

58 36.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.817 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.04 min

Lab File: VD062096.D

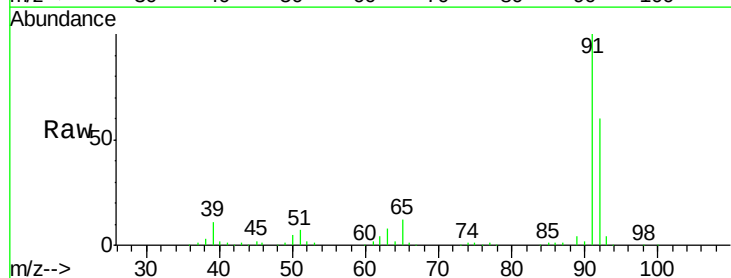
Acq: 1 May 2019 11:47

Tgt Ion: 92 Resp: 626116

Ion Ratio Lower Upper

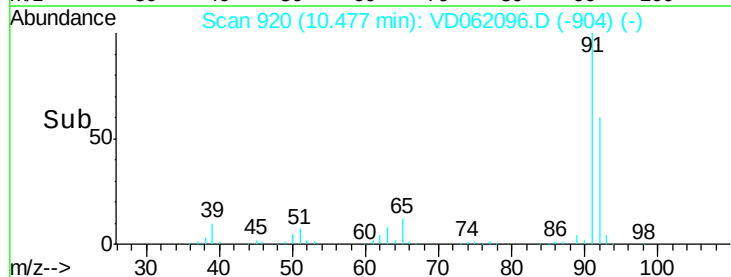
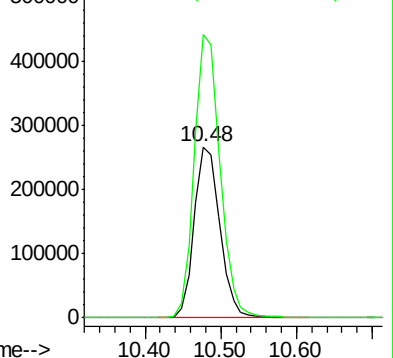
92 100

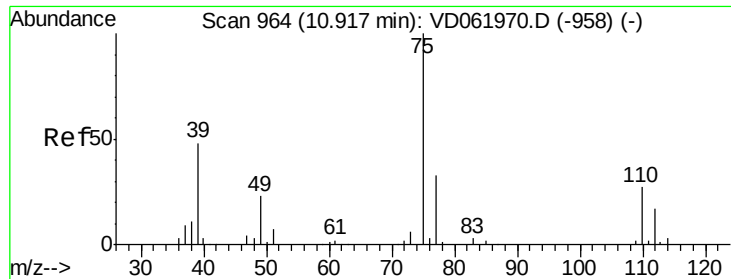
91 165.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

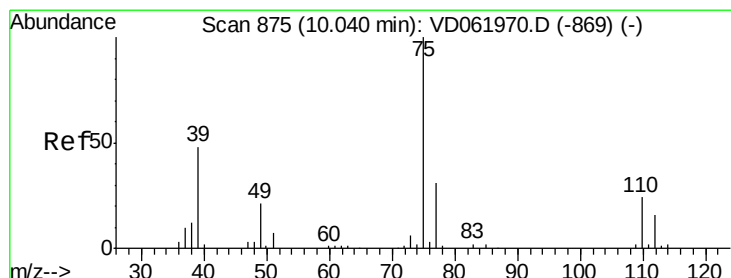
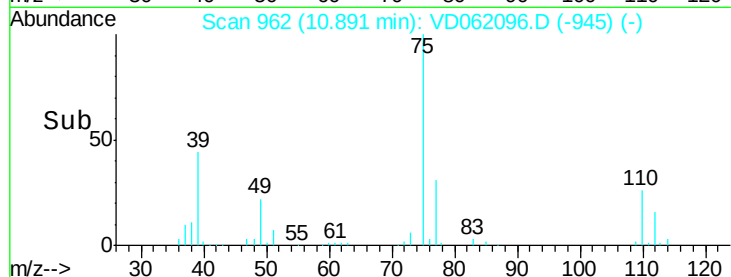
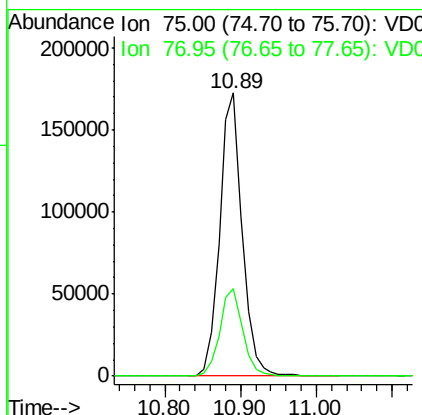
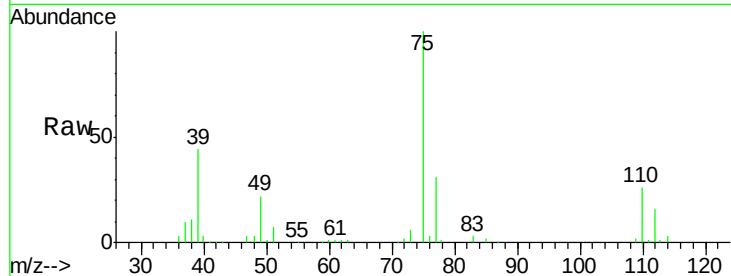




#53
 t-1,3-Dichloropropene
 Concen: 50.800 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.03 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

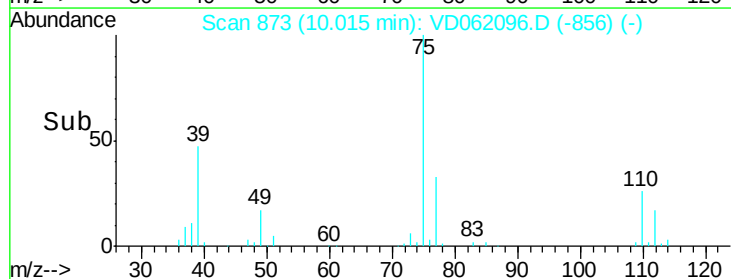
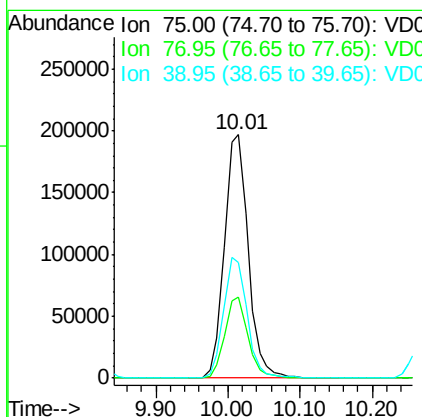
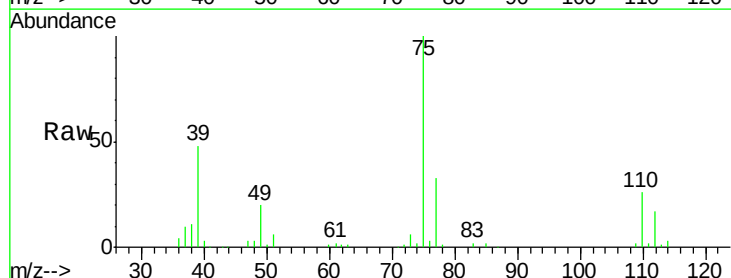
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

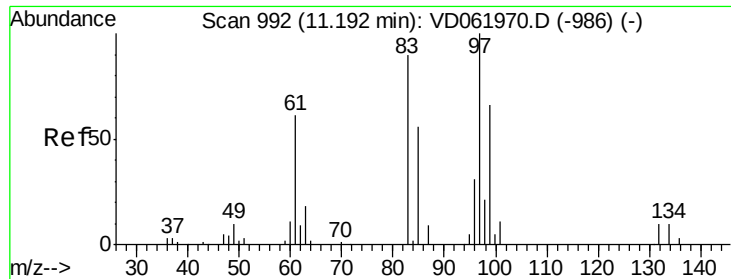
Tot Ion: 75 Resp: 355399
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.991 ug/l
 RT: 10.01 min Scan# 873
 Delta R.T. -0.03 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion: 75 Resp: 450900
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.5 38.3
 39 47.5 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 46.081 ug/l

RT: 11.17 min Scan# 990

Delta R.T. -0.03 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 190613

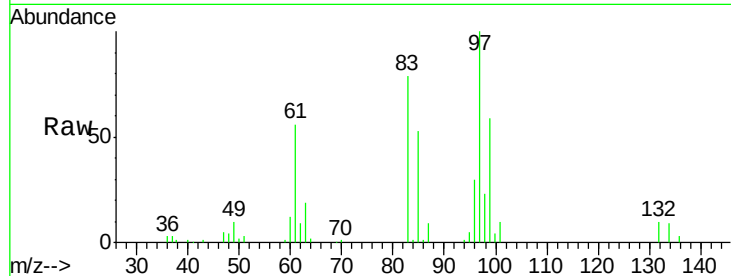
Ion Ratio Lower Upper

97 100

83 79.4 65.7 98.5

85 53.5 45.6 68.4

99 58.5 48.4 72.6

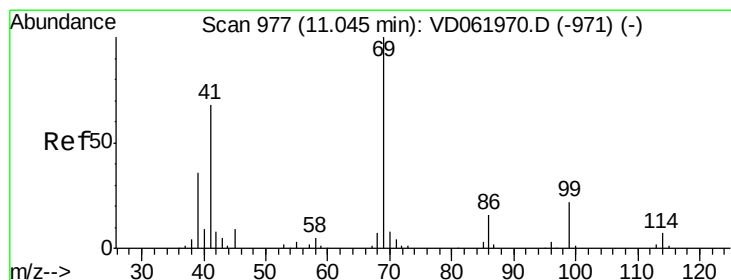
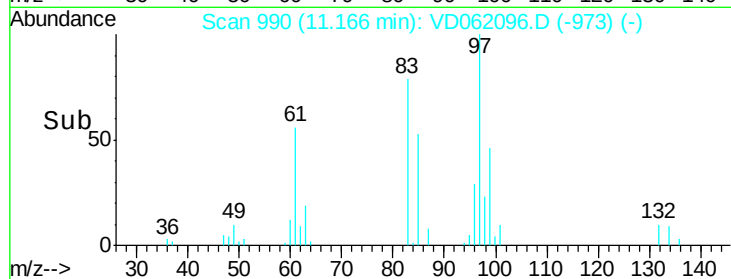
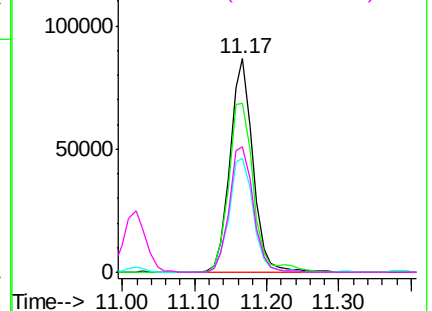


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 50.184 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.03 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

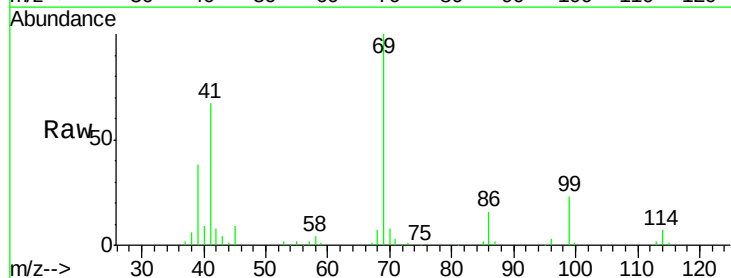
Tgt Ion: 69 Resp: 229906

Ion Ratio Lower Upper

69 100

41 66.8 56.3 84.5

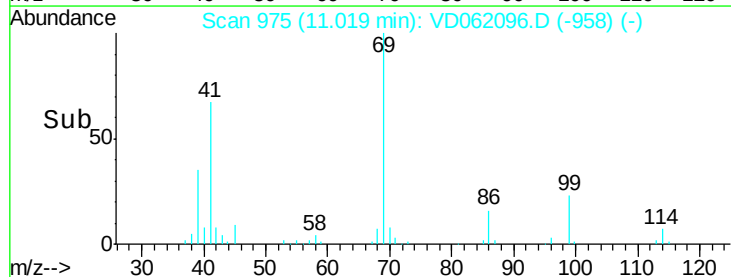
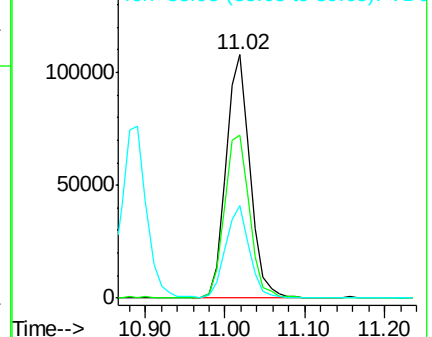
39 37.9 29.4 44.2

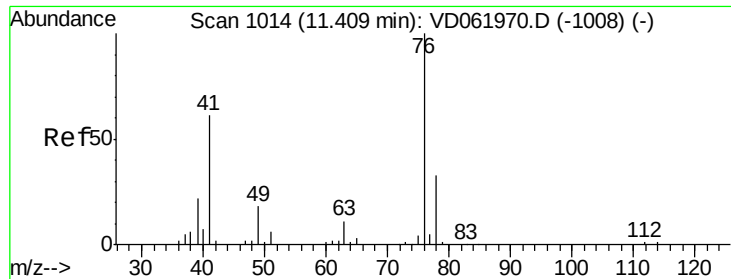


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

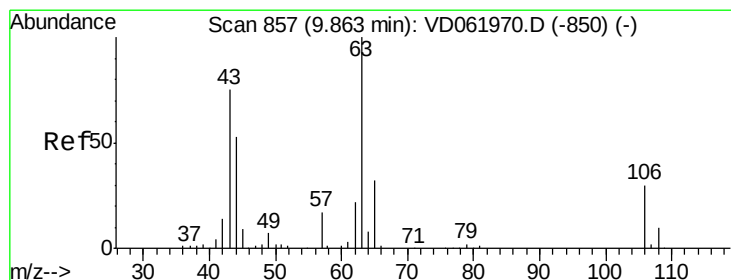
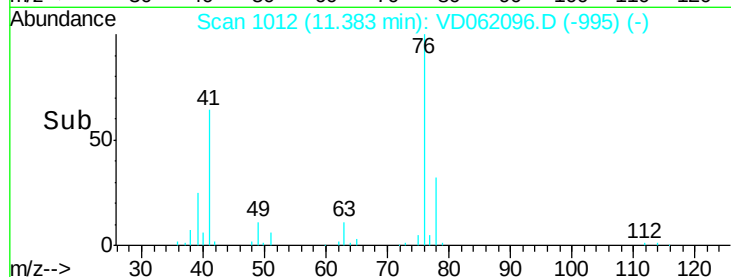
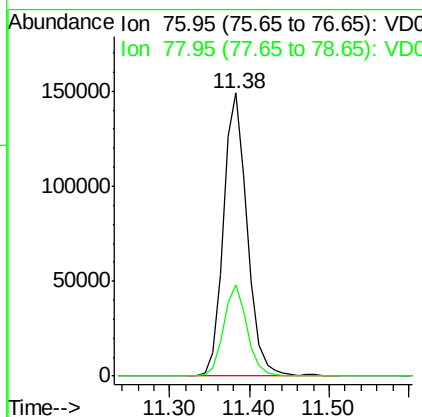
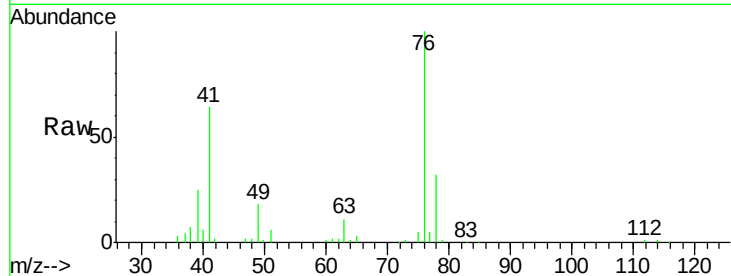




#57
 1,3-Dichloropropane
 Concen: 48.728 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

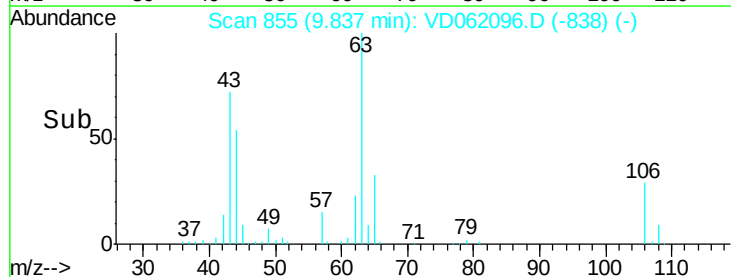
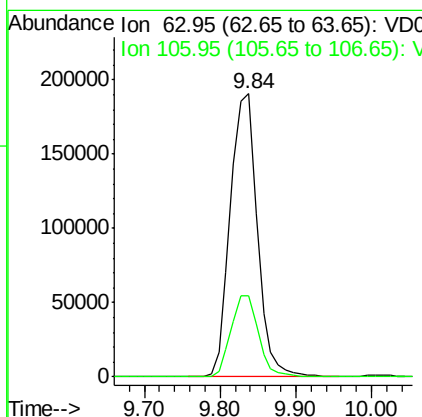
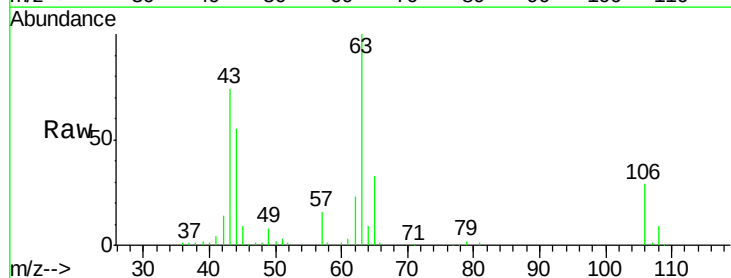
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

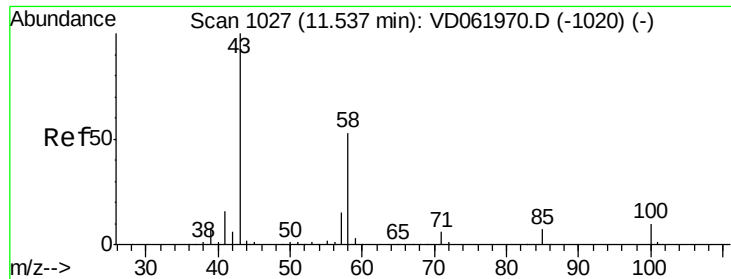
Tot Ion: 76 Resp: 311308
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.130 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.03 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion: 63 Resp: 473130
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.6 34.0

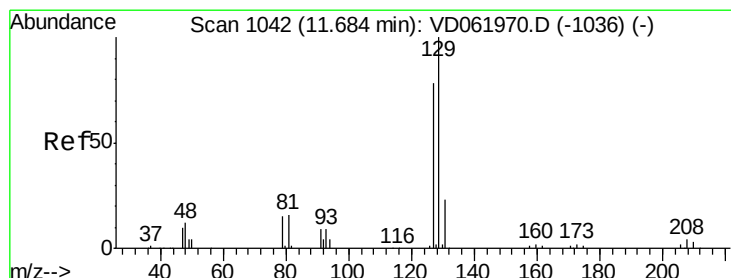
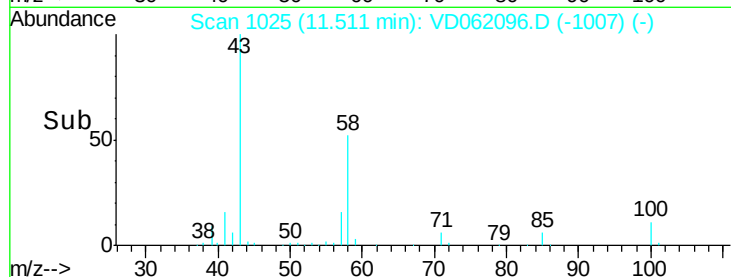
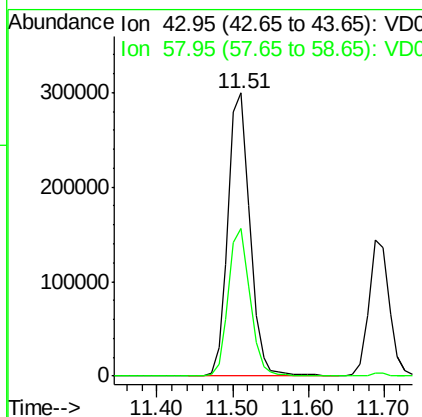
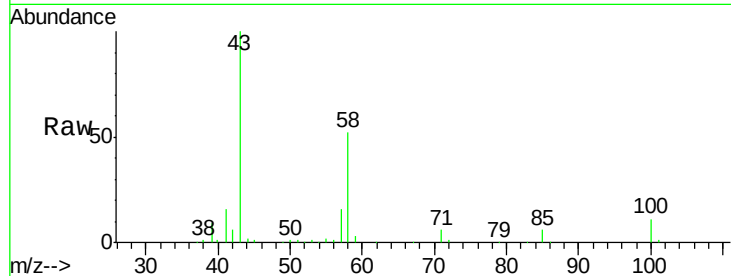




#59
2-Hexanone
Concen: 269.241 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

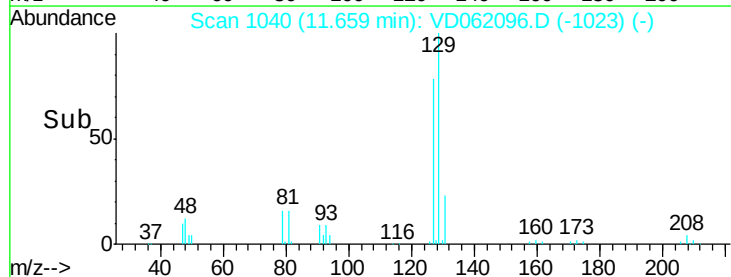
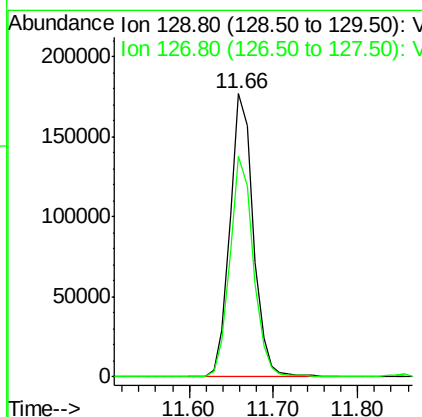
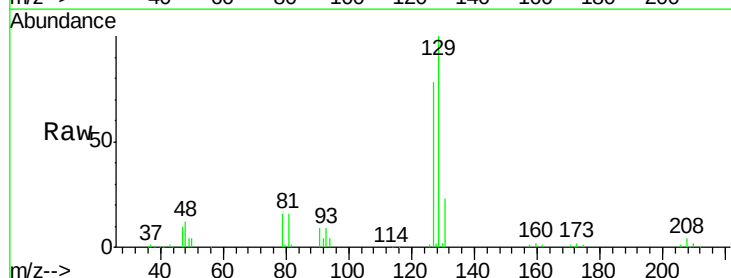
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

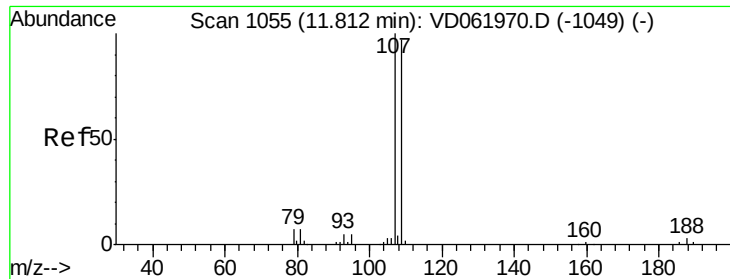
Tot Ion: 43 Resp: 600291
Ion Ratio Lower Upper
43 100
58 52.3 25.4 76.4



#60
Dibromochloromethane
Concen: 49.925 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 129 Resp: 341704
Ion Ratio Lower Upper
129 100
127 77.9 38.0 113.9

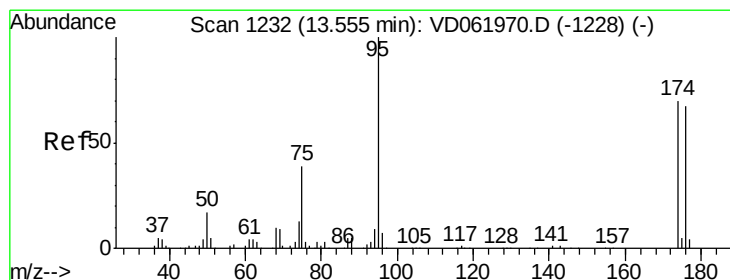
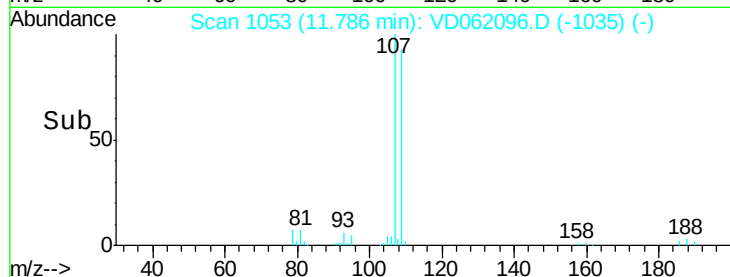
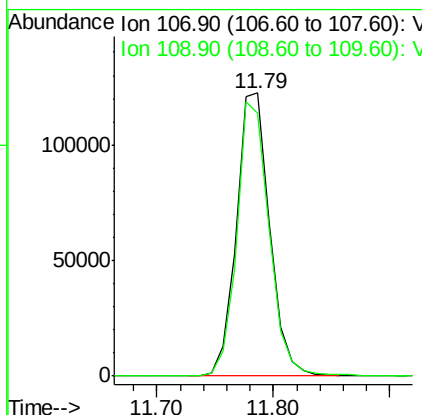
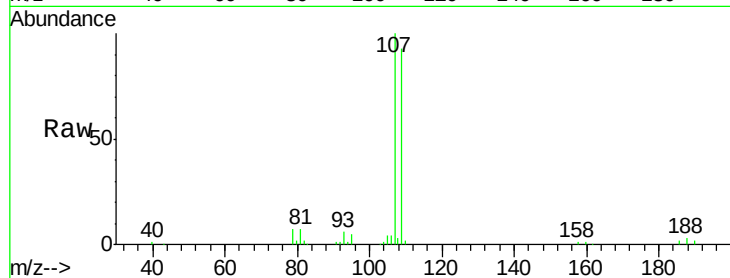




#61
 1,2-Dibromoethane
 Concen: 49.210 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

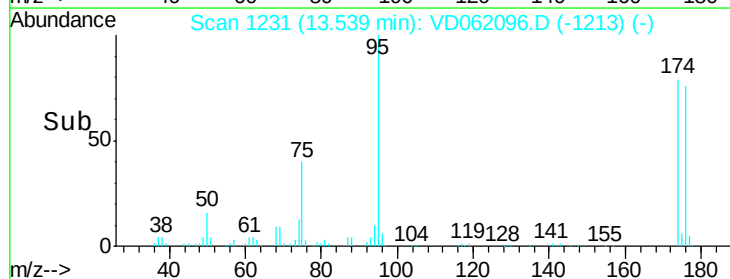
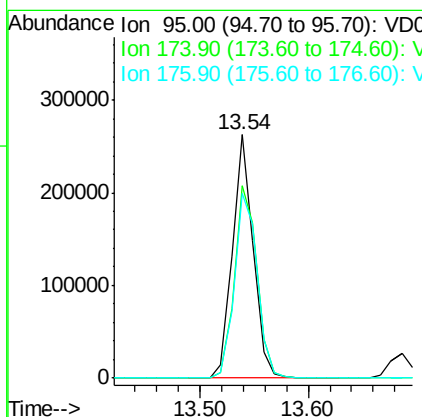
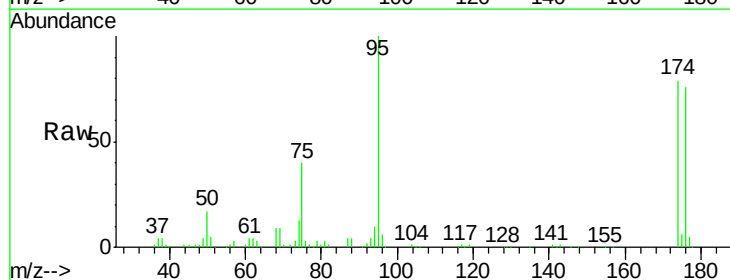
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

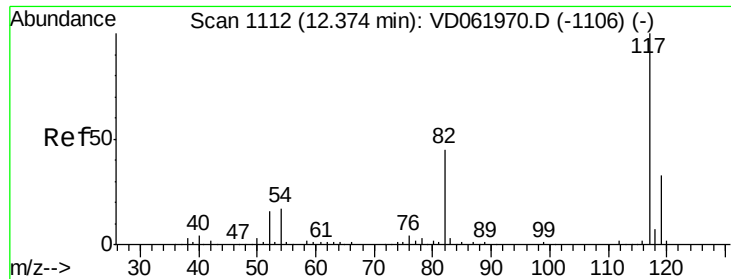
Tot Ion:107 Resp: 241469
 Ion Ratio Lower Upper
 107 100
 109 92.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 53.079 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion: 95 Resp: 351001
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 181.8
 176 75.7 0.0 174.4

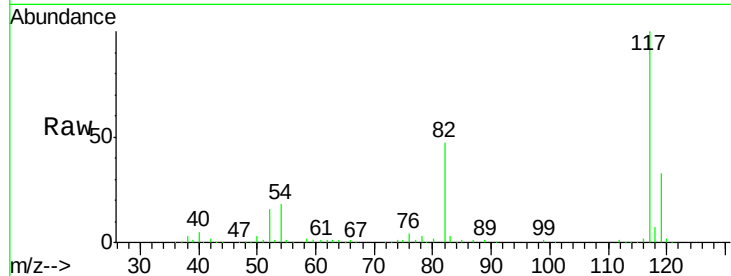




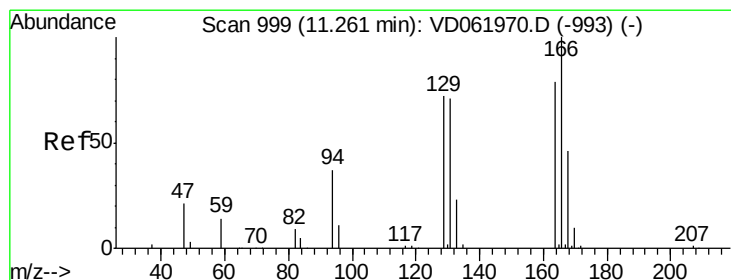
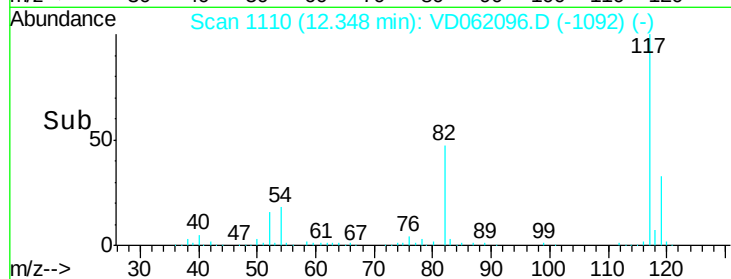
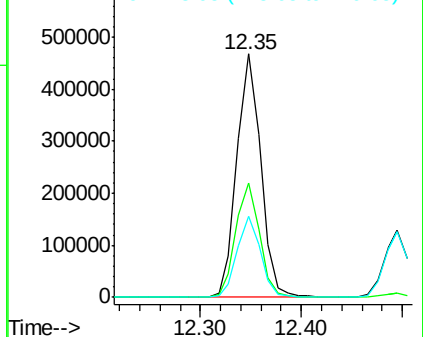
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 772560
Ion Ratio Lower Upper
117 100
82 46.8 36.2 54.2
119 33.4 26.2 39.4

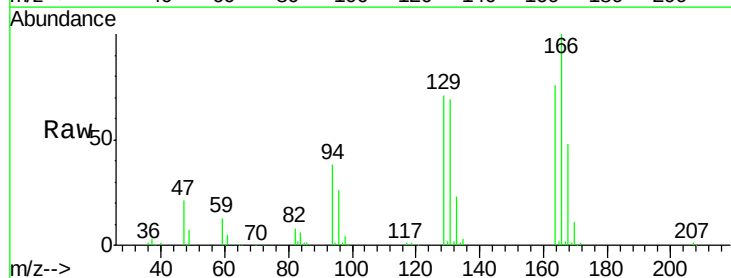


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

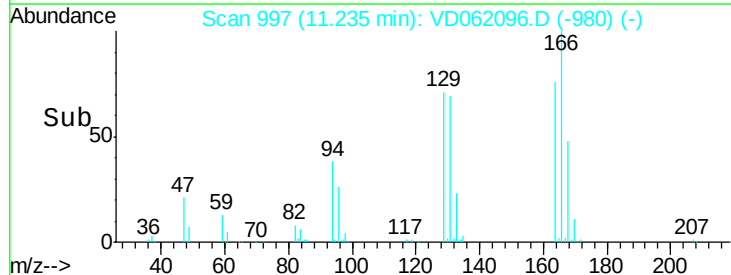
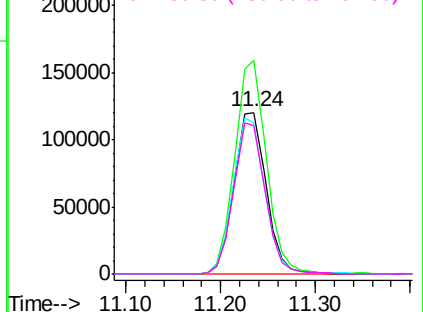


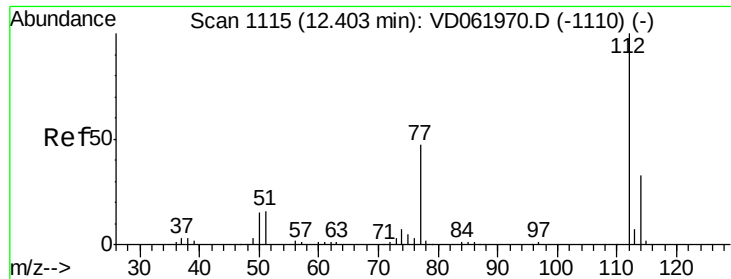
#64
Tetrachloroethene
Concen: 51.329 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.03 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion:164 Resp: 282880
Ion Ratio Lower Upper
164 100
166 132.0 101.5 152.3
129 93.3 74.6 112.0
131 91.7 72.6 108.8



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

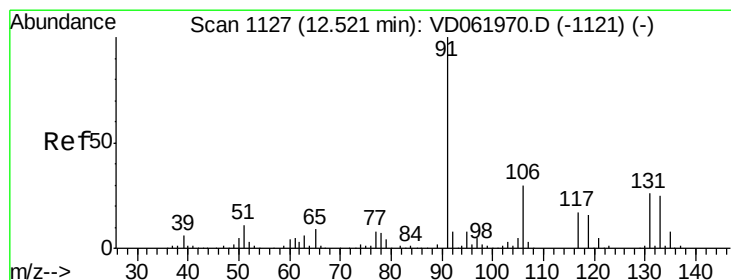
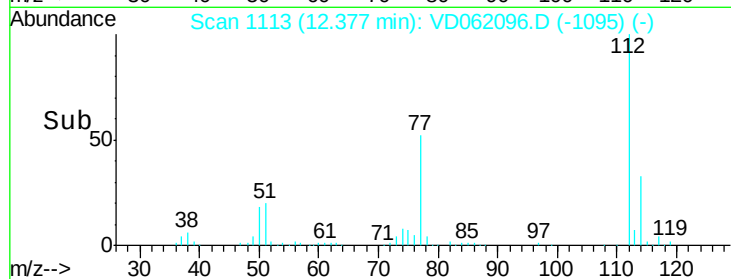
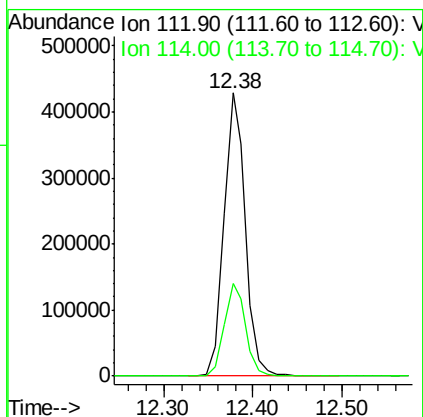
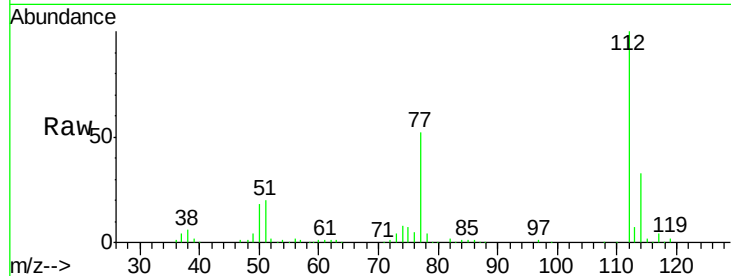




#65
Chlorobenzene
Concen: 49.493 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

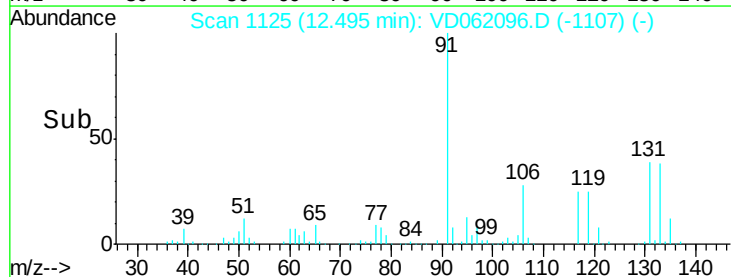
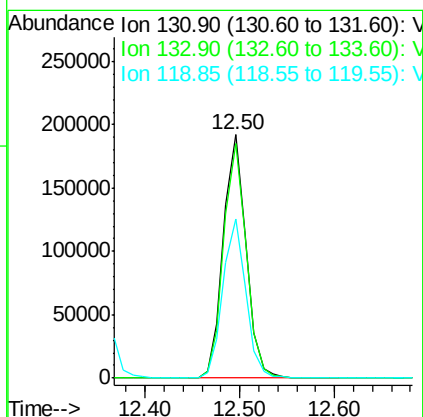
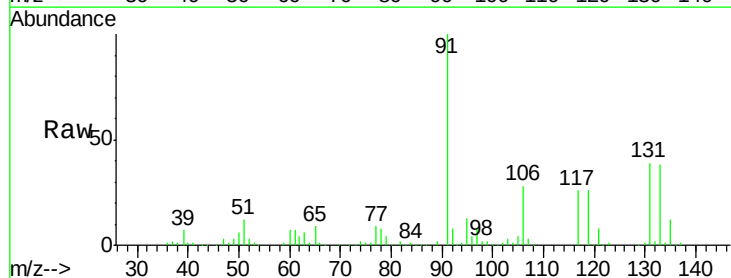
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

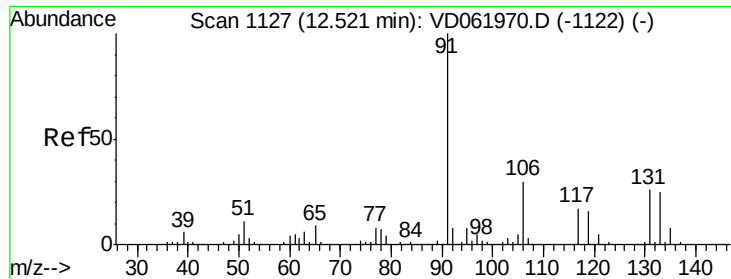
Tot Ion:112 Resp: 722534
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.606 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion:131 Resp: 319567
Ion Ratio Lower Upper
131 100
133 96.5 48.6 145.8
119 65.6 34.7 104.1

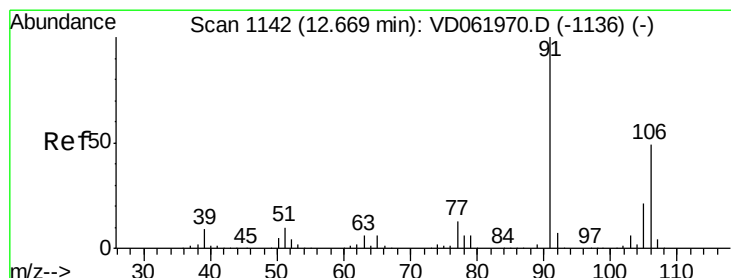
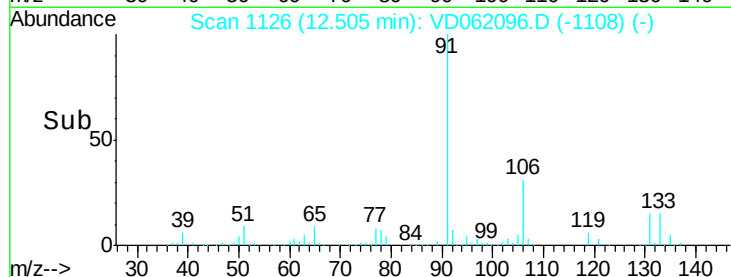
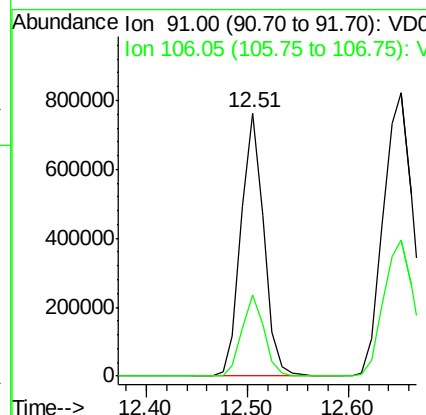
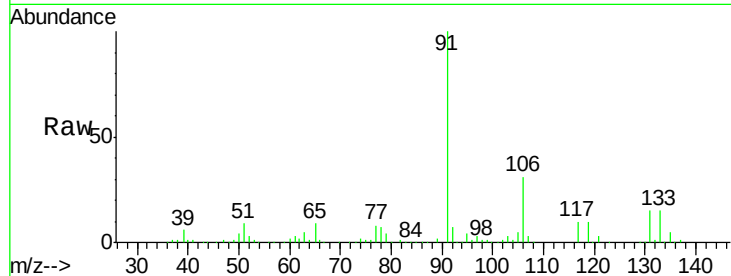




#67
Ethyl Benzene
Concen: 50.138 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

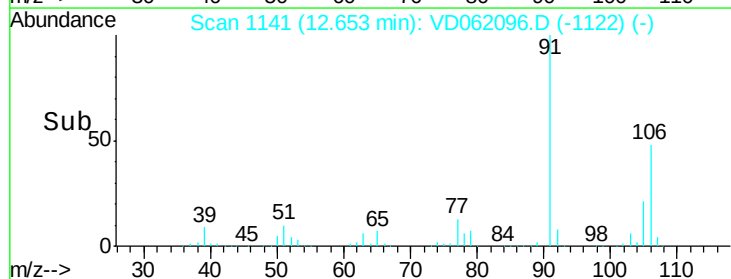
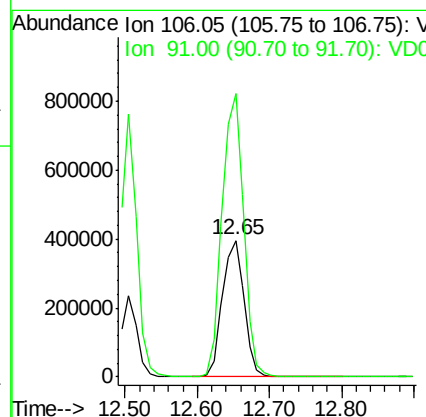
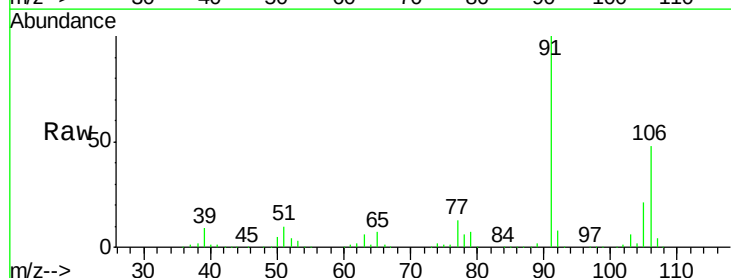
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

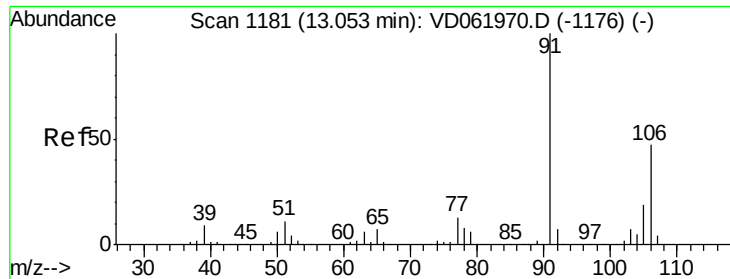
Tot Ion: 91 Resp: 1194668
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1



#68
m/p-Xylenes
Concen: 94.698 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 106 Resp: 815533
Ion Ratio Lower Upper
106 100
91 207.7 164.0 246.0

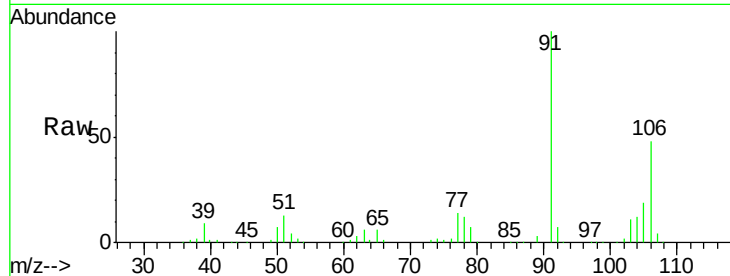




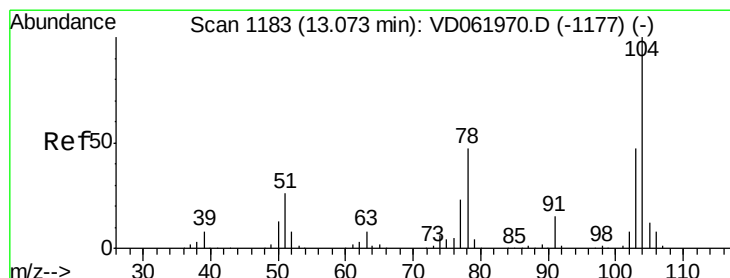
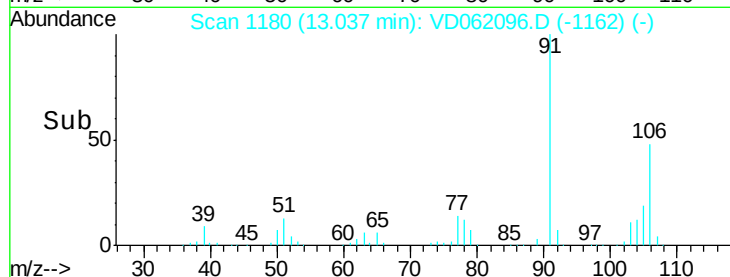
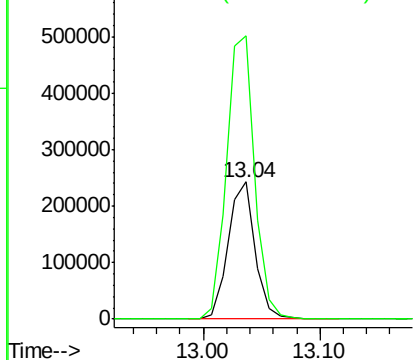
#69
o-Xylene
Concen: 48.723 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 383922
Ion Ratio Lower Upper
106 100
91 206.3 106.7 319.9

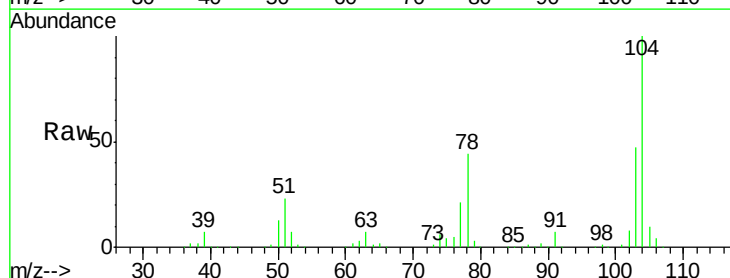


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

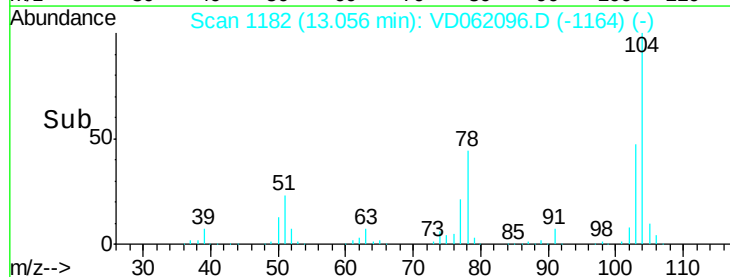
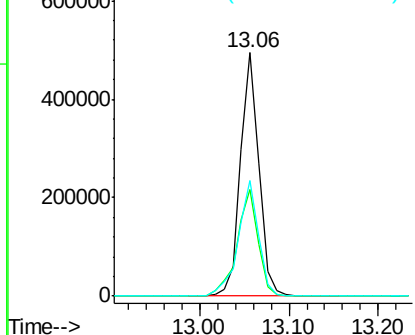


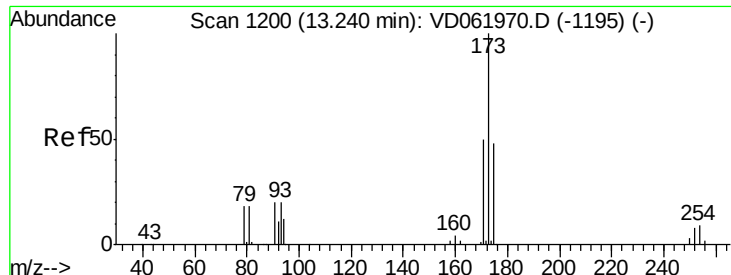
#70
Styrene
Concen: 52.359 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion:104 Resp: 712378
Ion Ratio Lower Upper
104 100
78 43.7 35.4 53.2
103 47.2 37.5 56.3



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: 55.736 ug/l

RT: 13.21 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

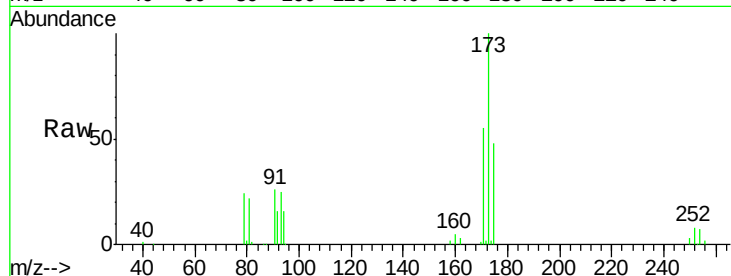
Tot Ion:173 Resp: 196769

Ion Ratio Lower Upper

173 100

175 47.9 24.4 73.4

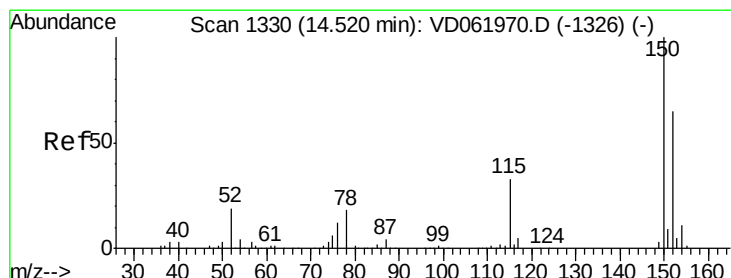
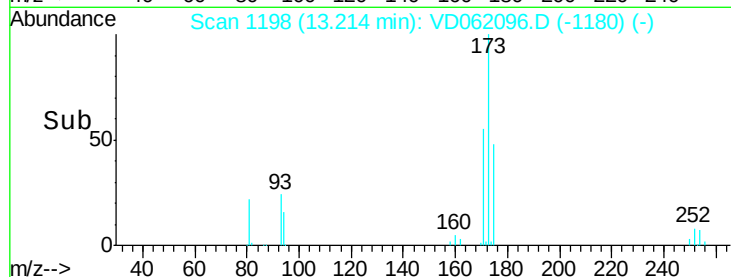
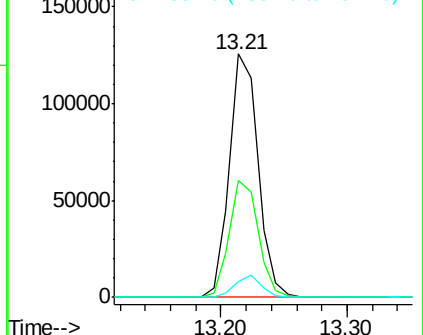
254 6.6 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

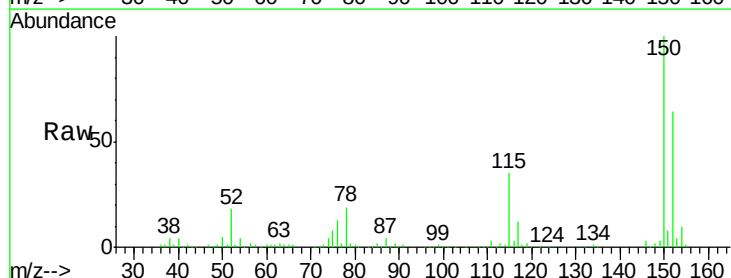
Tgt Ion:152 Resp: 377844

Ion Ratio Lower Upper

152 100

115 55.1 30.9 92.7

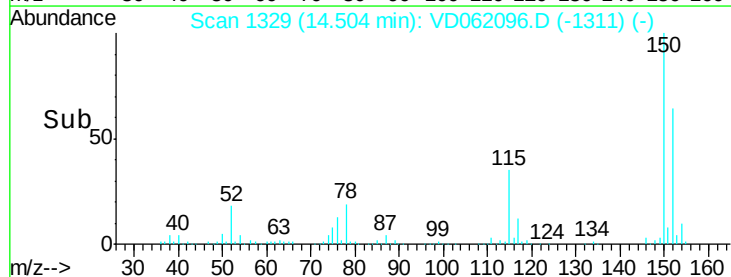
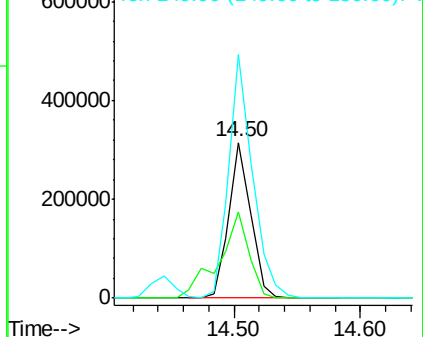
150 156.4 0.0 314.8

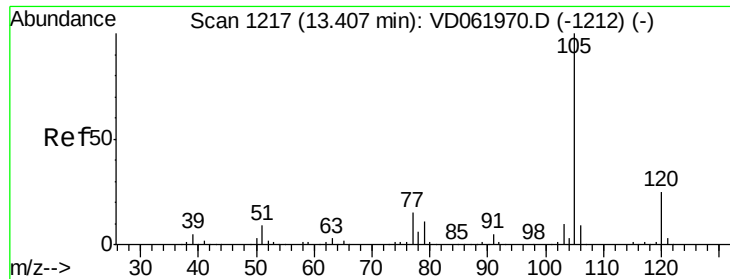


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.870 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

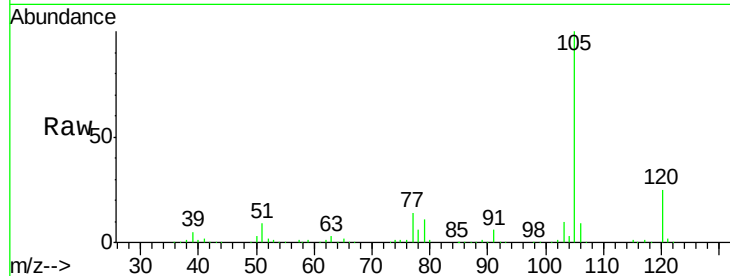
VSTDCCC050

Tot Ion:105 Resp: 1080530

Ion Ratio Lower Upper

105 100

120 25.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

800000

600000

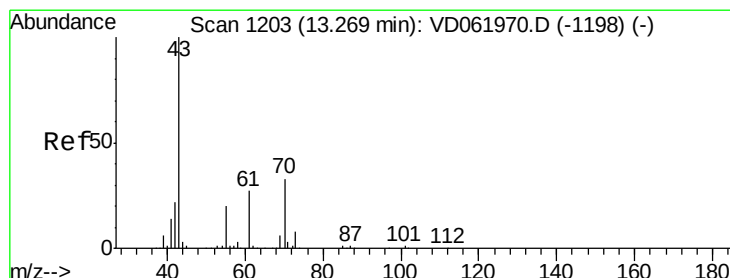
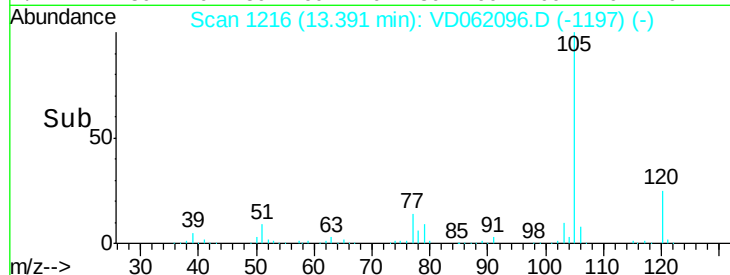
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 48.411 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Tgt Ion: 43 Resp: 314245

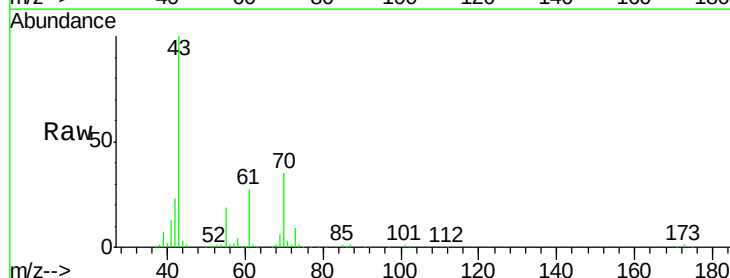
Ion Ratio Lower Upper

43 100

70 34.7 24.2 36.4

55 19.2 16.0 24.0

61 27.2 21.6 32.4



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

300000

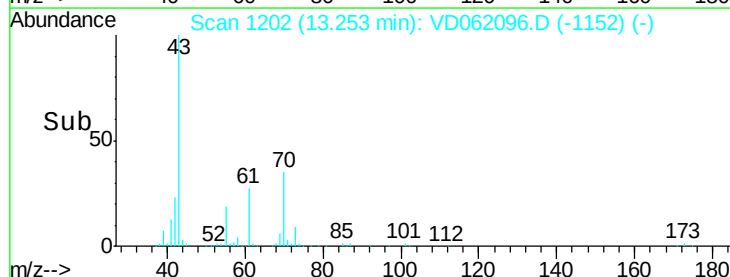
200000

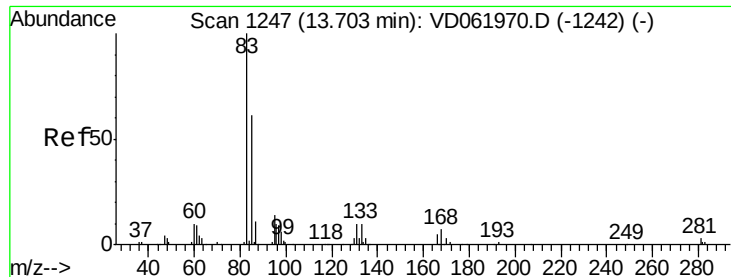
100000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.033 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

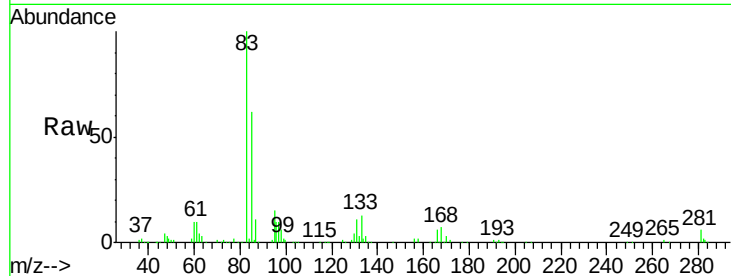
Tot Ion: 83 Resp: 242185

Ion Ratio Lower Upper

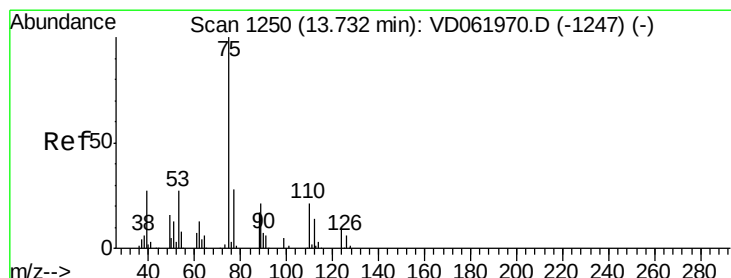
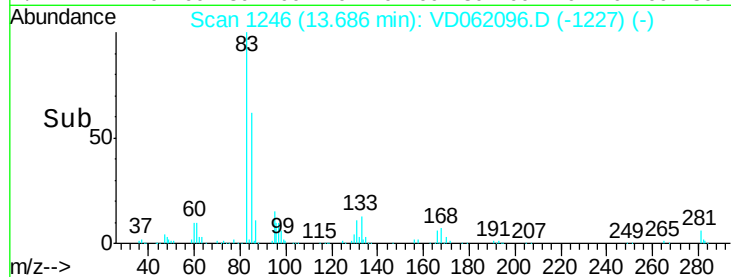
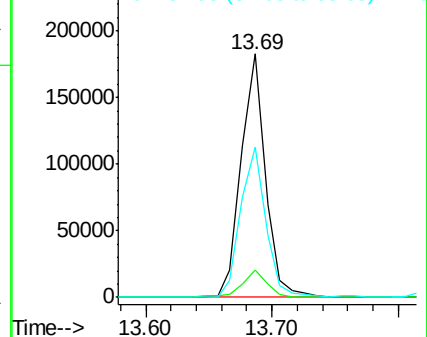
83 100

131 11.3 5.0 14.9

85 61.9 32.6 97.7



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: 50.756 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD062096.D

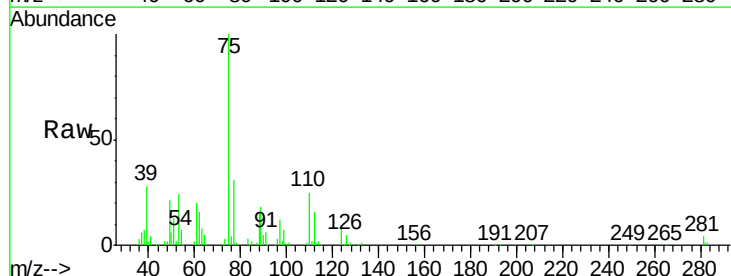
Acq: 1 May 2019 11:47

Tgt Ion: 75 Resp: 243529

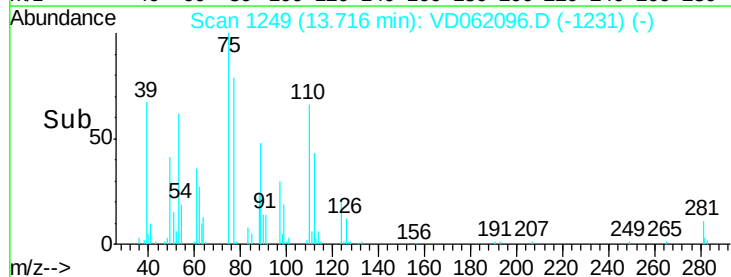
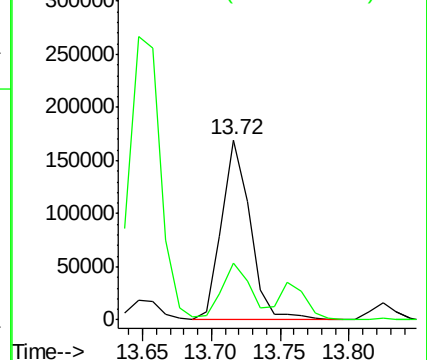
Ion Ratio Lower Upper

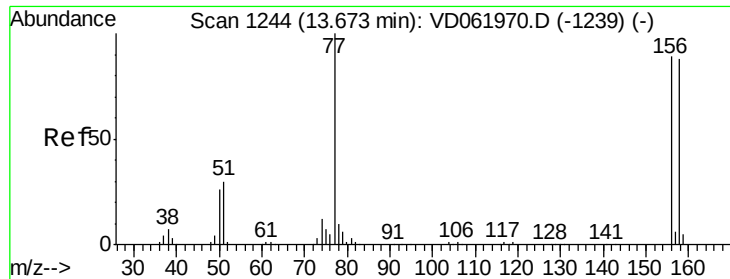
75 100

77 31.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.975 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

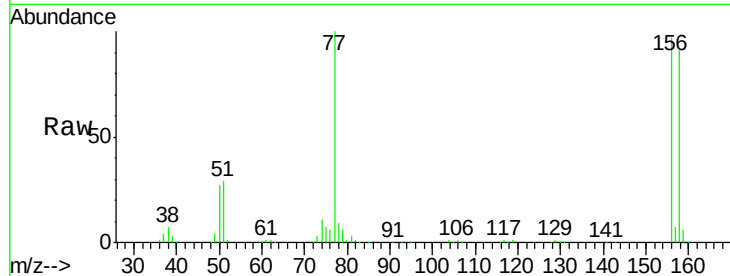
Tot Ion:156 Resp: 346881

Ion Ratio Lower Upper

156 100

77 102.9 53.1 159.4

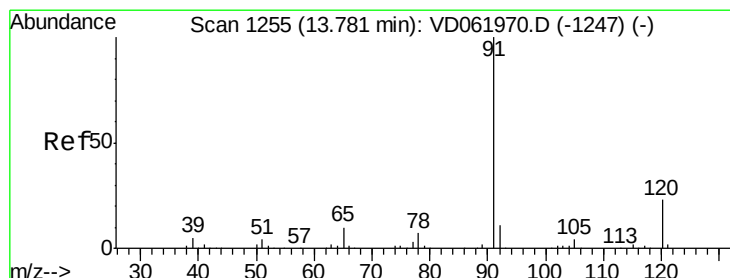
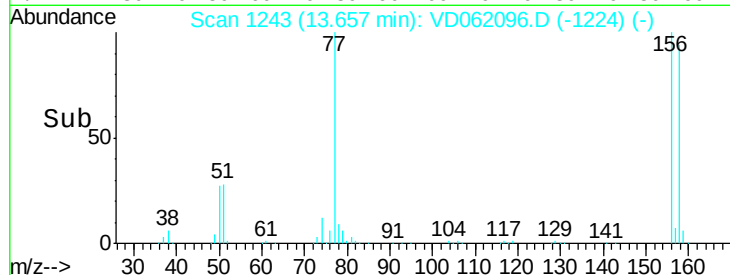
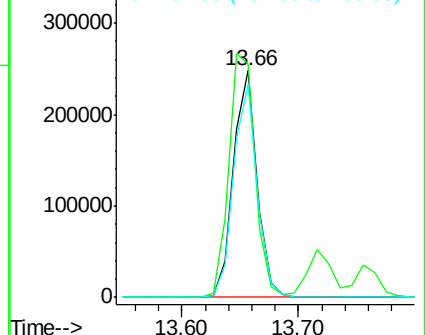
158 93.9 49.4 148.0



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: 44.859 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062096.D

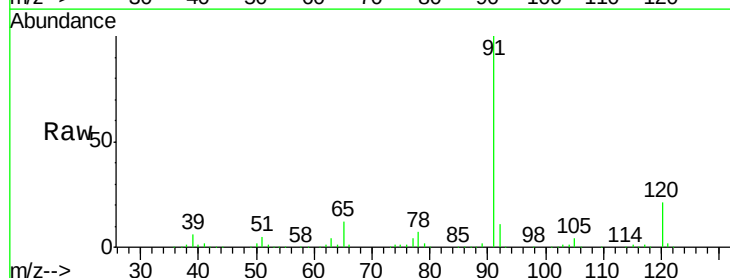
Acq: 1 May 2019 11:47

Tgt Ion: 91 Resp: 1294334

Ion Ratio Lower Upper

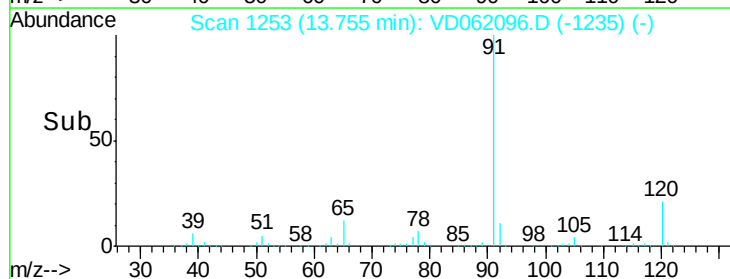
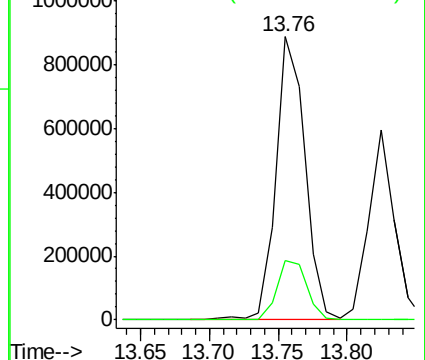
91 100

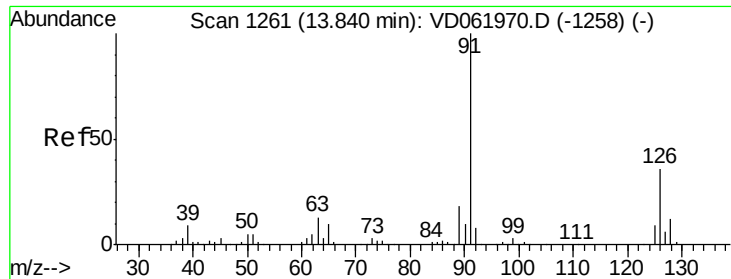
120 20.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 44.148 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.02 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

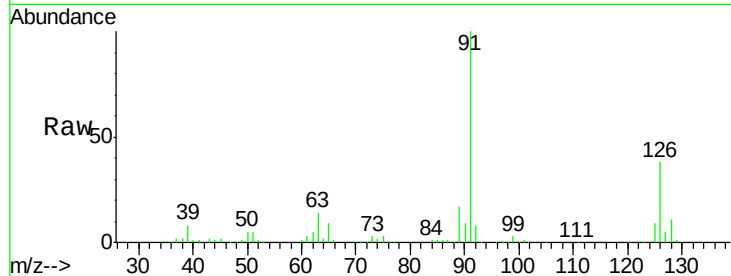
VSTDCCC050

Tot Ion: 91 Resp: 771583

Ion Ratio Lower Upper

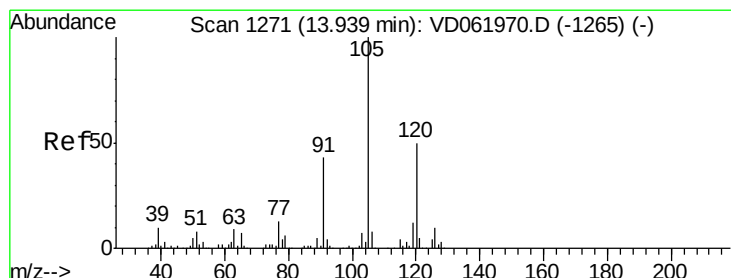
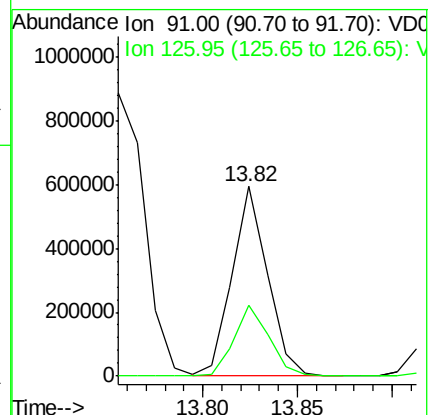
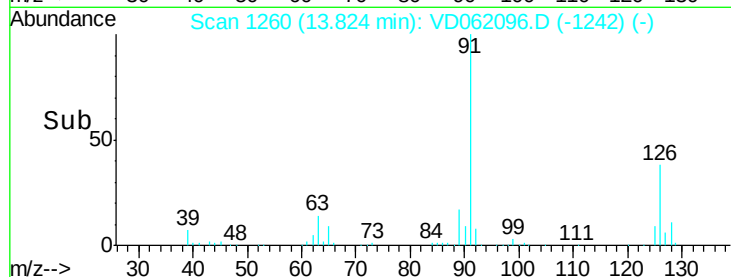
91 100

126 37.7 18.6 55.8



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: 41.059 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062096.D

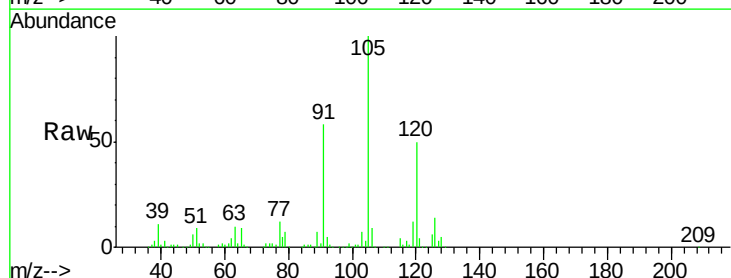
Acq: 1 May 2019 11:47

Tgt Ion:105 Resp: 825188

Ion Ratio Lower Upper

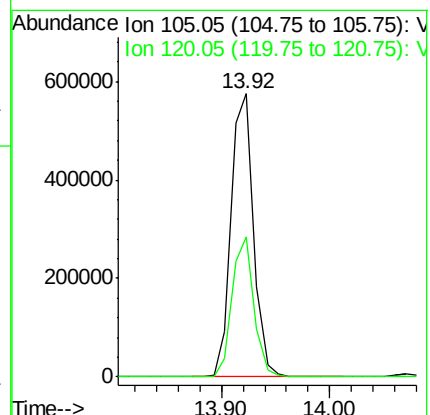
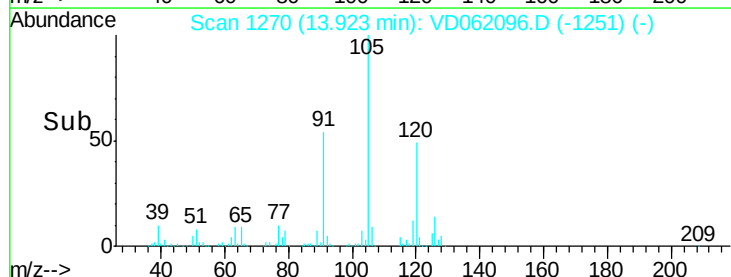
105 100

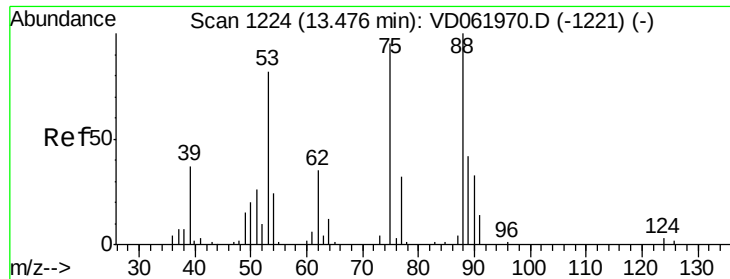
120 49.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

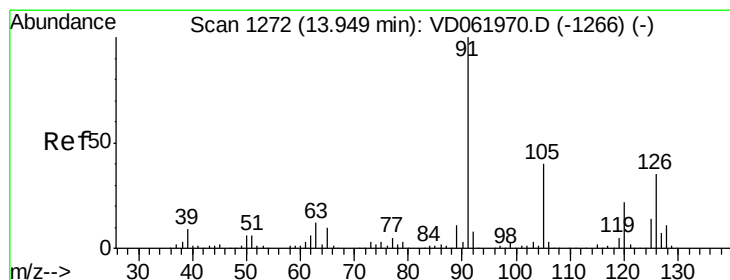
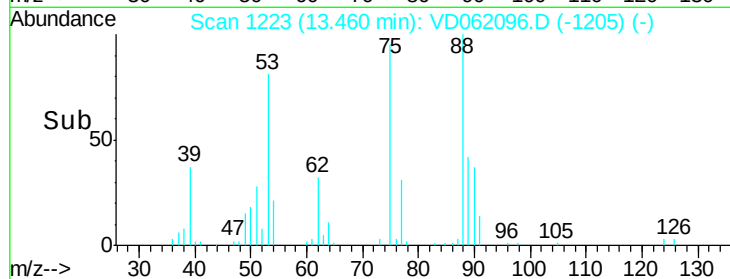
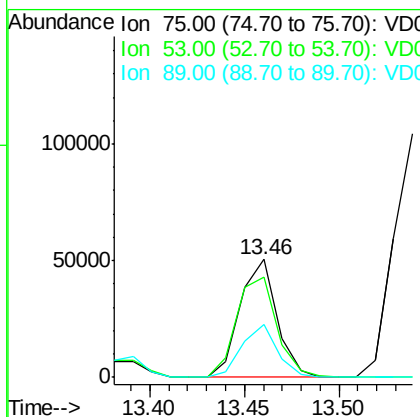
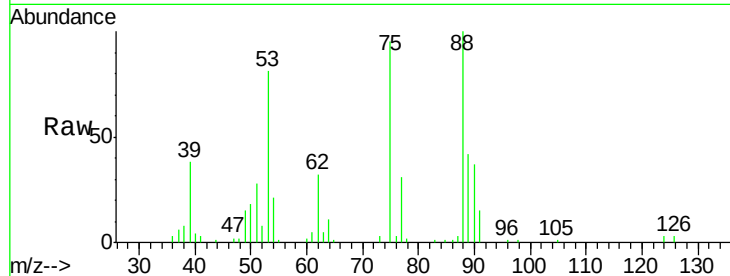




#81
trans-1,4-Dichloro-2-butene
Concen: 47.394 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

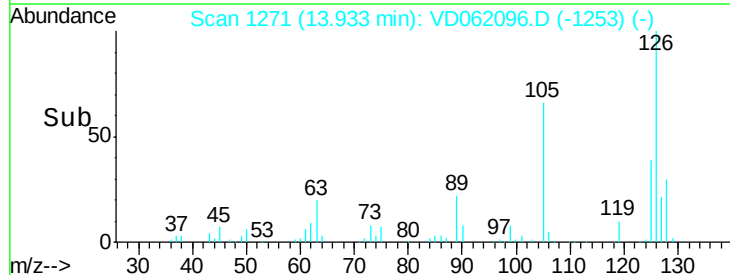
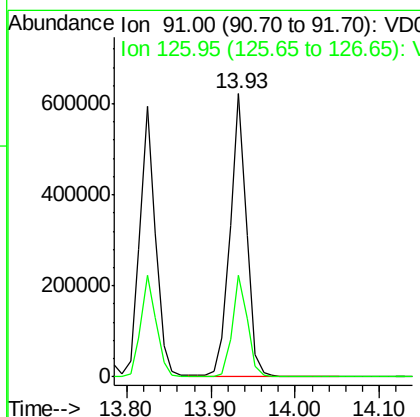
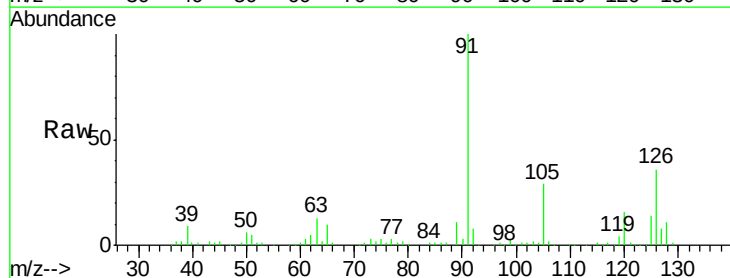
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

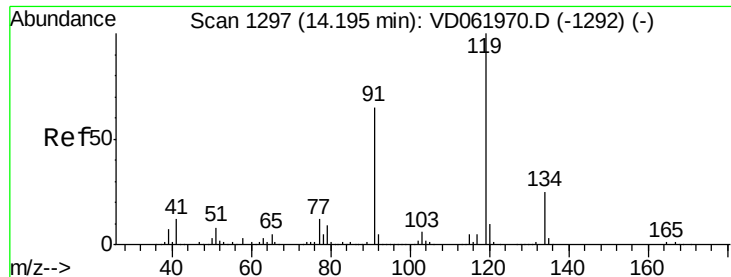
Tot Ion: 75 Resp: 68911
Ion Ratio Lower Upper
75 100
53 84.8 65.8 98.8
89 44.6 35.0 52.6



#82
4-Chlorotoluene
Concen: 43.801 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD062096.D
Acq: 1 May 2019 11:47

Tgt Ion: 91 Resp: 843045
Ion Ratio Lower Upper
91 100
126 36.1 19.1 57.5

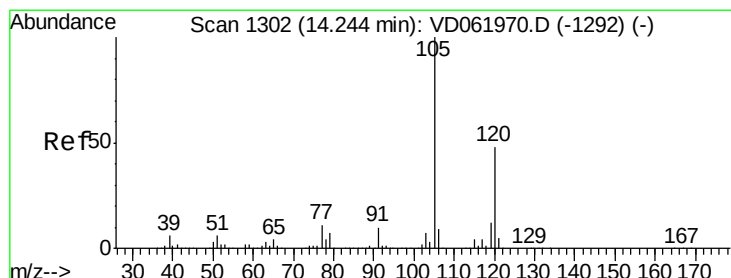
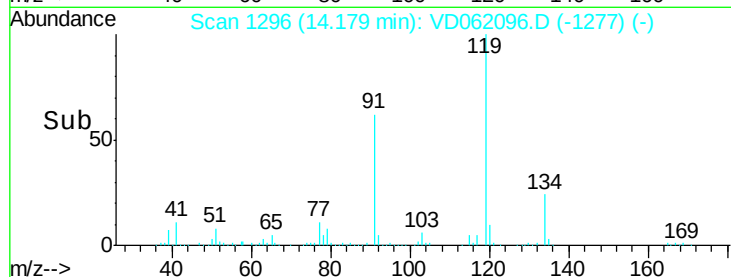
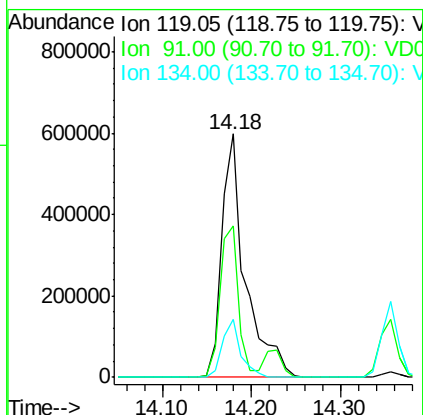
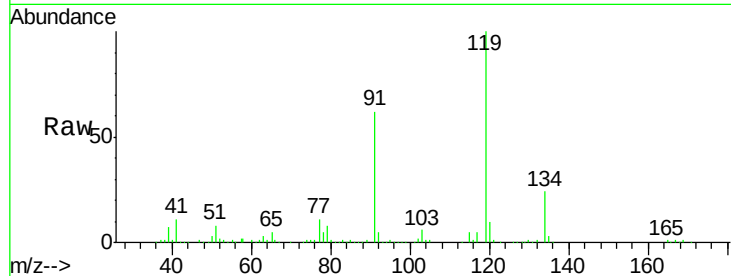




#83
 tert-Butylbenzene
 Concen: 47.635 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

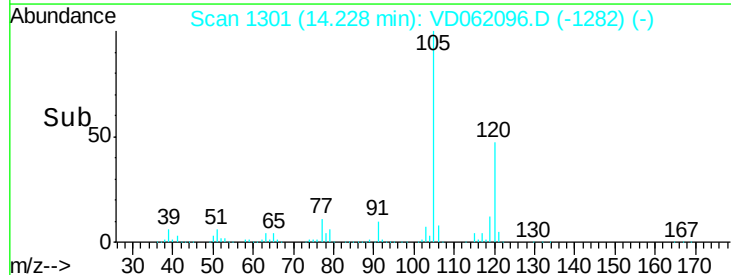
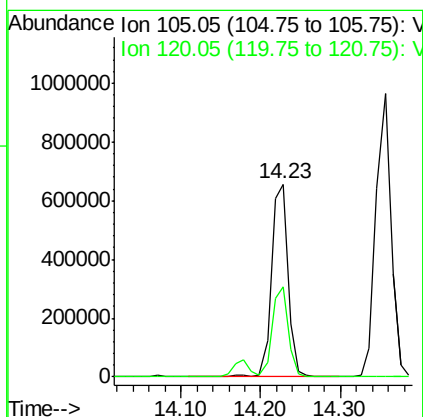
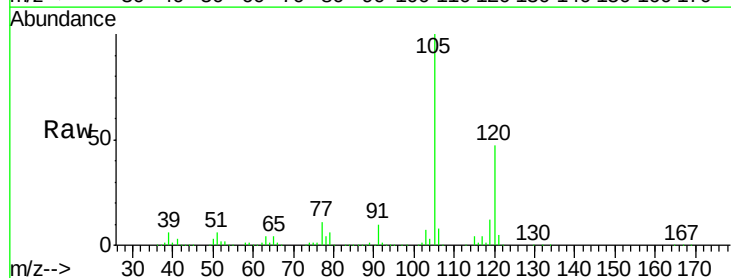
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

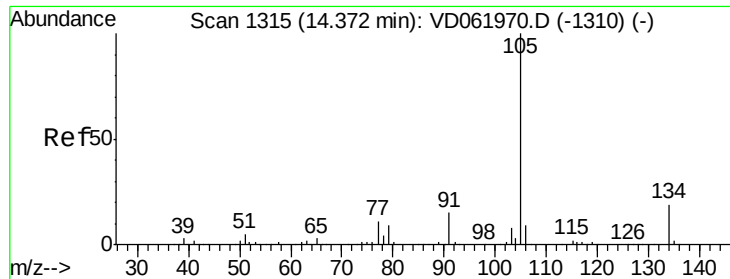
Tot Ion:119 Resp: 1109025
 Ion Ratio Lower Upper
 119 100
 91 62.3 34.2 102.6
 134 24.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.599 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion:105 Resp: 951795
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2

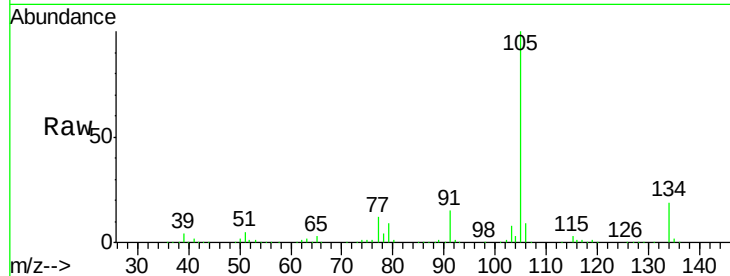




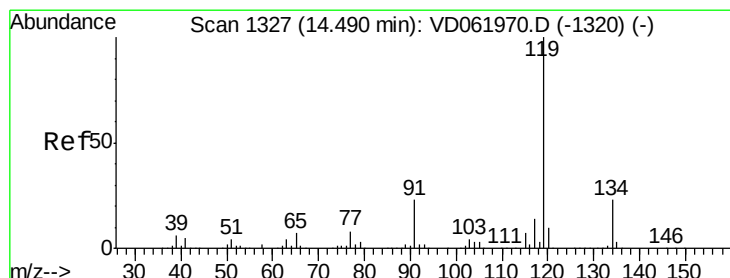
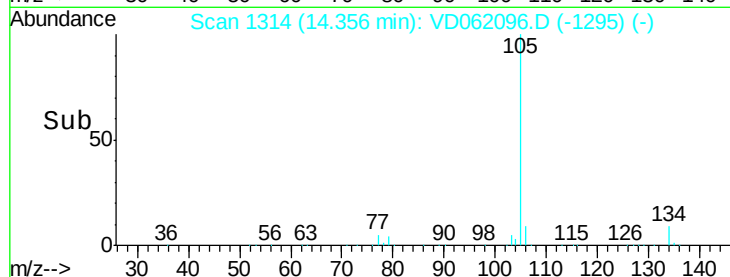
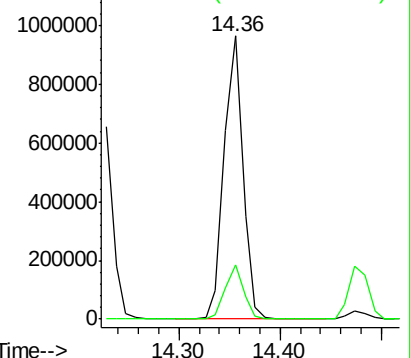
#85
 sec-Butylbenzene
 Concen: 49.548 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1246422
 Ion Ratio Lower Upper
 105 100
 134 19.4 8.9 26.7

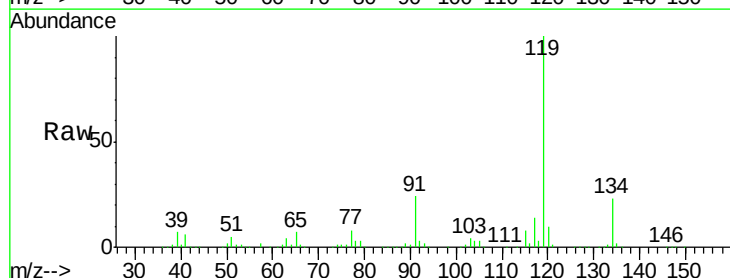


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

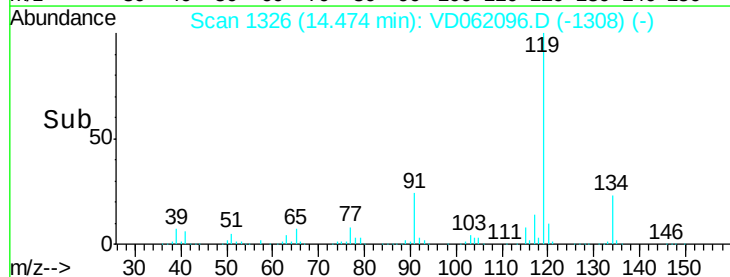
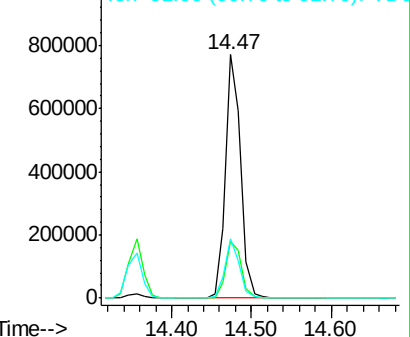


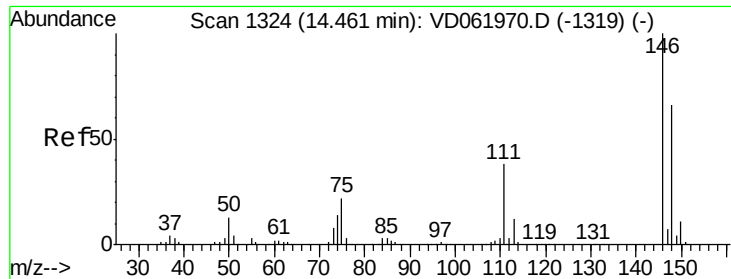
#86
 p-Isopropyltoluene
 Concen: 45.671 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.02 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion:119 Resp: 1028246
 Ion Ratio Lower Upper
 119 100
 134 23.3 12.8 38.3
 91 24.3 10.7 32.1



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

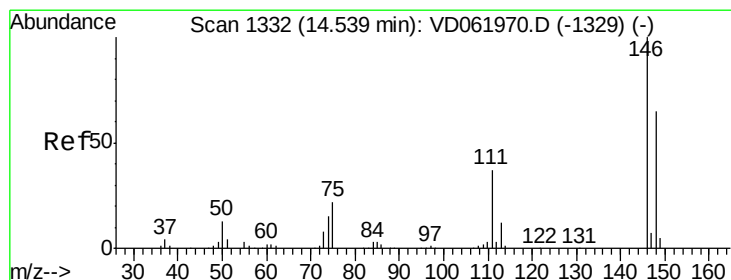
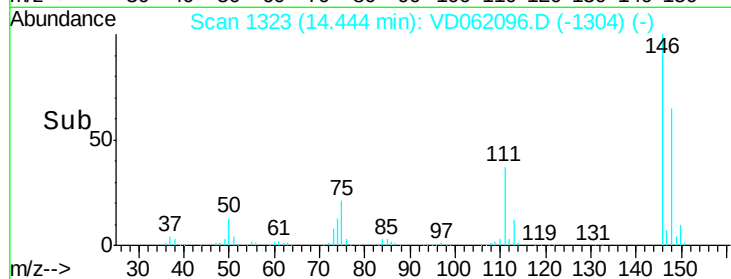
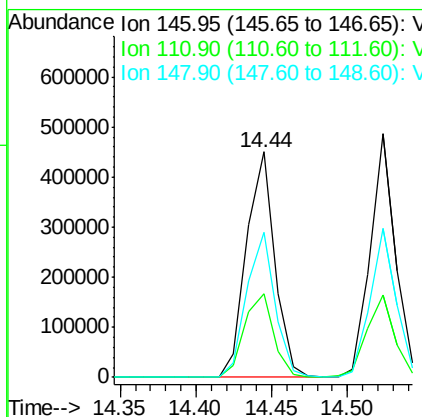
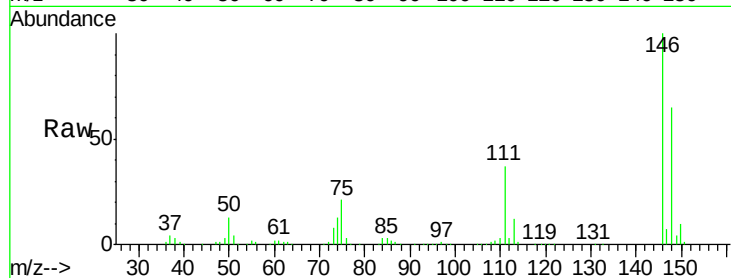




#87
 1,3-Dichlorobenzene
 Concen: 46.478 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

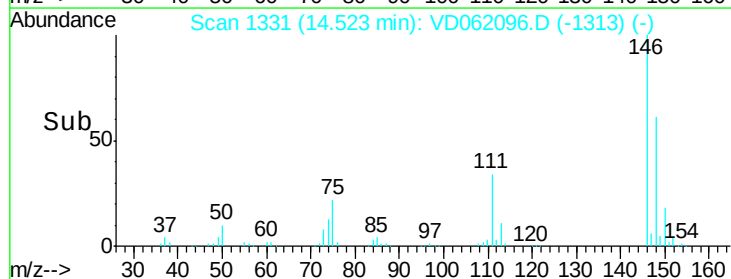
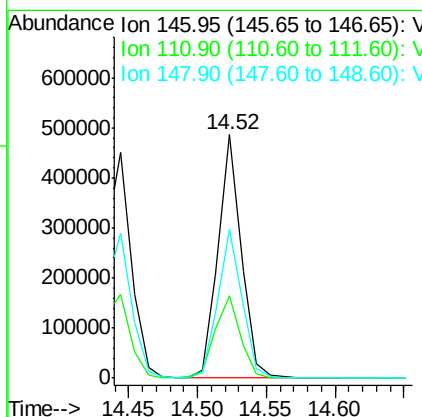
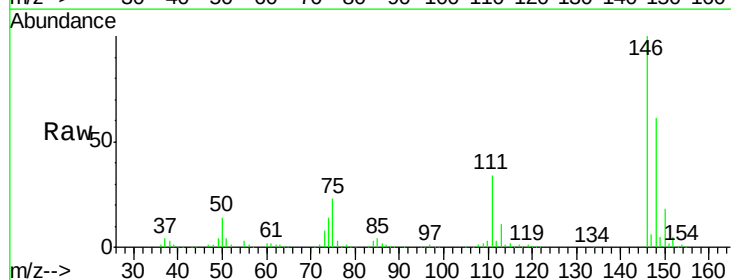
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

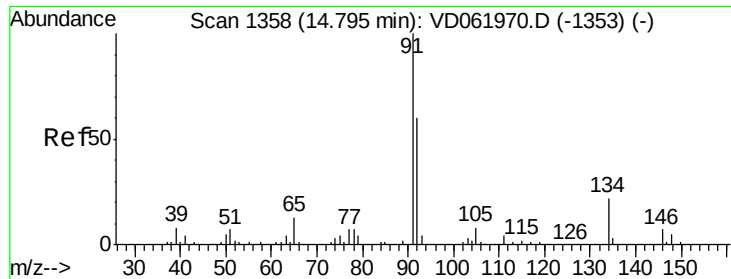
Tot Ion:146 Resp: 588496
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.0 60.0
 148 64.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.747 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion:146 Resp: 565390
 Ion Ratio Lower Upper
 146 100
 111 34.1 20.2 60.5
 148 61.3 32.0 96.2





#89

n-Butylbenzene

Concen: 45.987 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

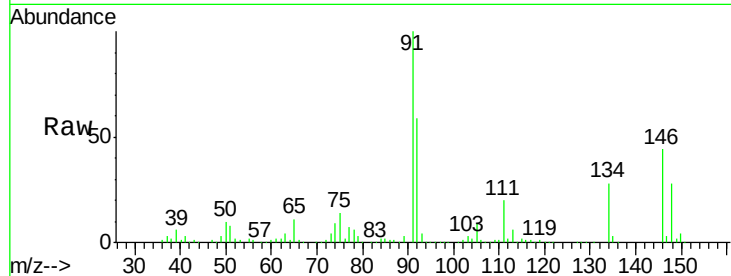
Tot Ion: 91 Resp: 929509

Ion Ratio Lower Upper

91 100

92 58.7 30.3 91.0

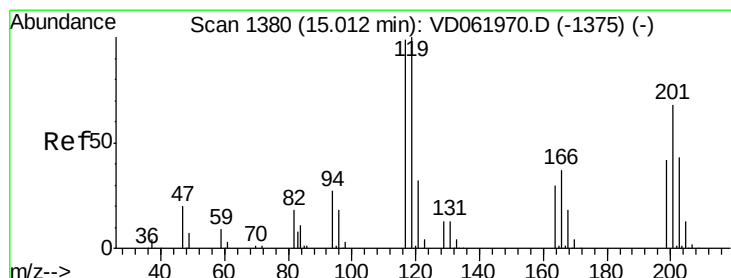
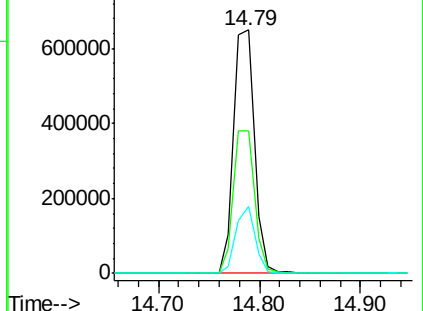
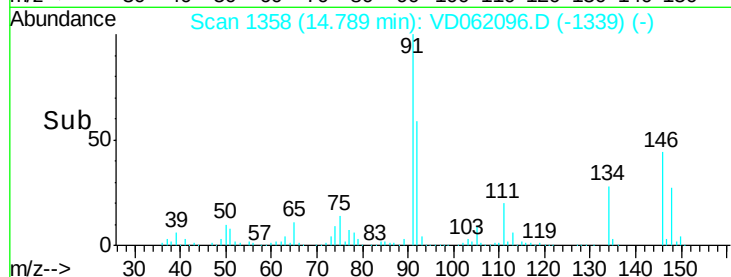
134 27.7 14.5 43.6



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): V



#90

Hexachloroethane

Concen: 48.268 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062096.D

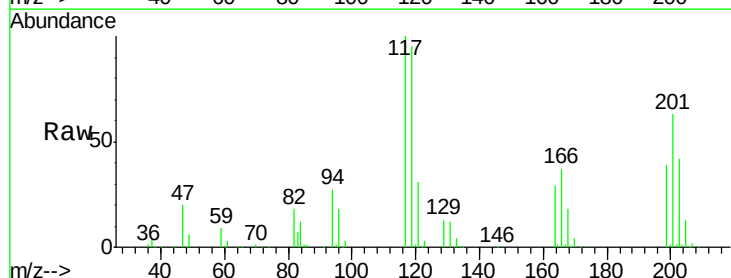
Acq: 1 May 2019 11:47

Tgt Ion: 117 Resp: 293853

Ion Ratio Lower Upper

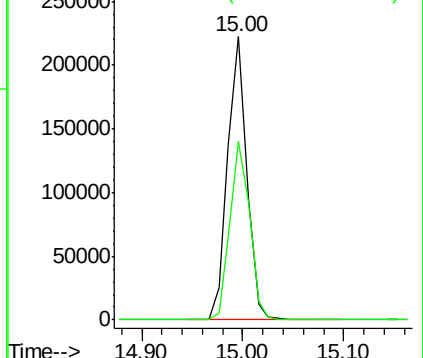
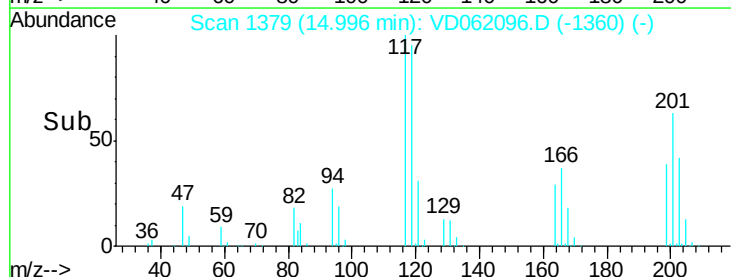
117 100

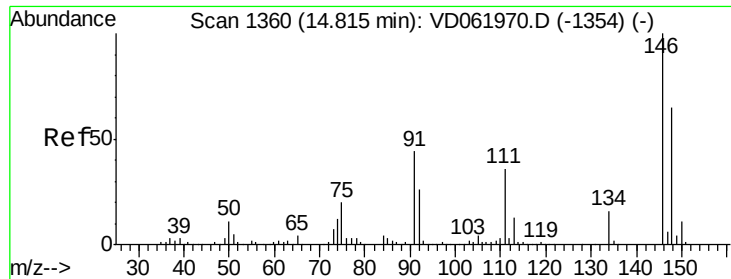
201 62.9 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

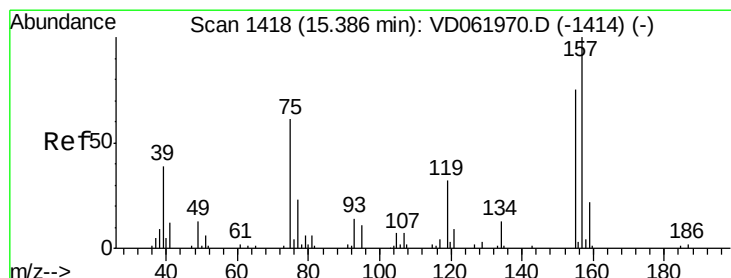
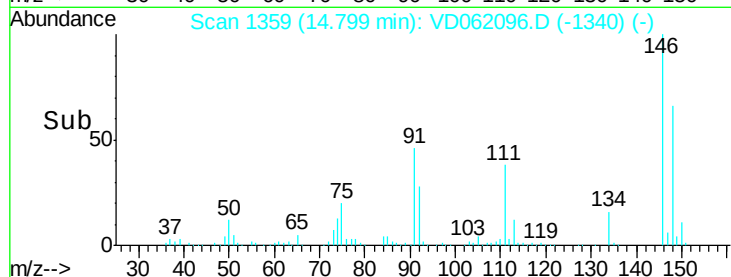
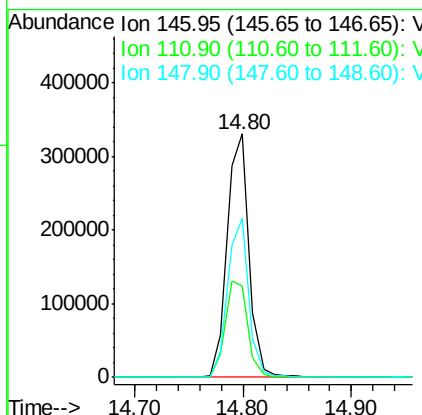
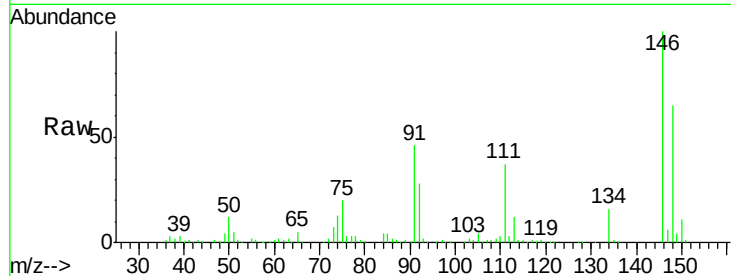




#91
 1,2-Dichlorobenzene
 Concen: 44.526 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

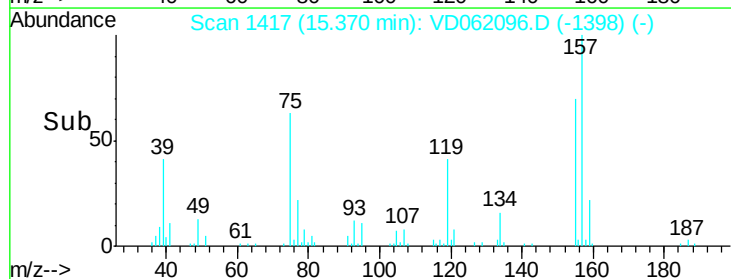
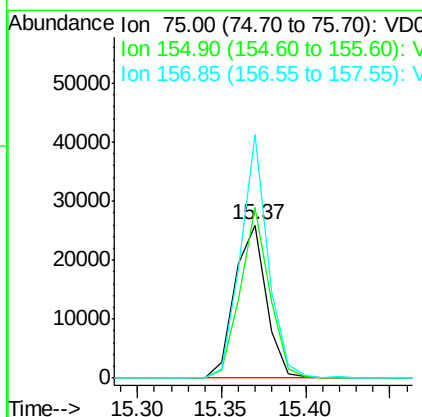
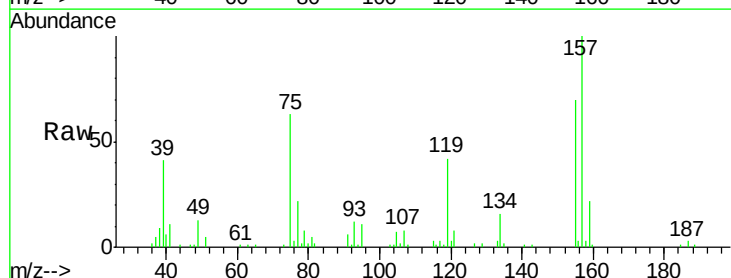
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

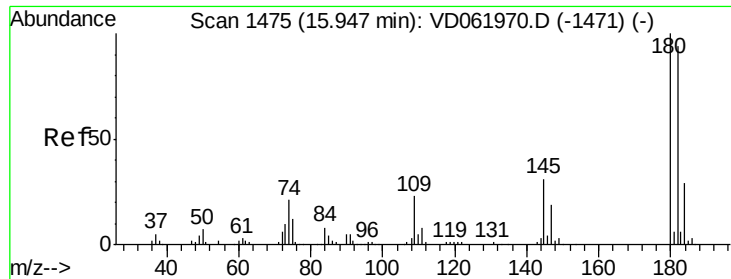
Tot Ion:146 Resp: 465056
 Ion Ratio Lower Upper
 146 100
 111 37.5 20.0 59.9
 148 65.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.250 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion: 75 Resp: 33598
 Ion Ratio Lower Upper
 75 100
 155 111.5 55.3 165.8
 157 159.3 67.8 203.2

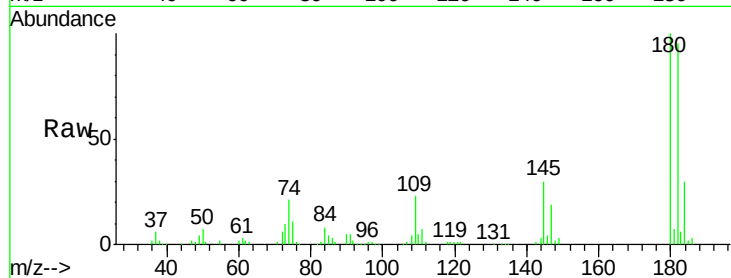




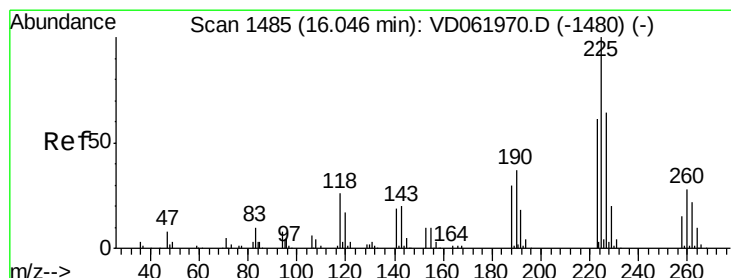
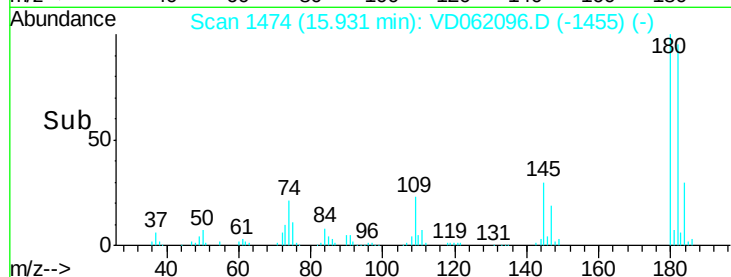
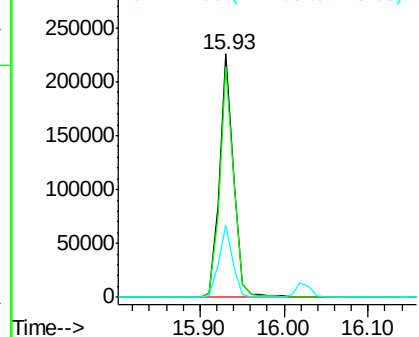
#93
 1,2,4-Trichlorobenzene
 Concen: 46.004 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 259257
 Ion Ratio Lower Upper
 180 100
 182 94.9 49.3 147.8
 145 29.5 16.2 48.6

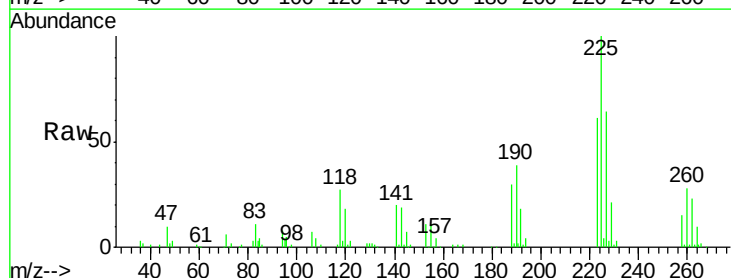


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

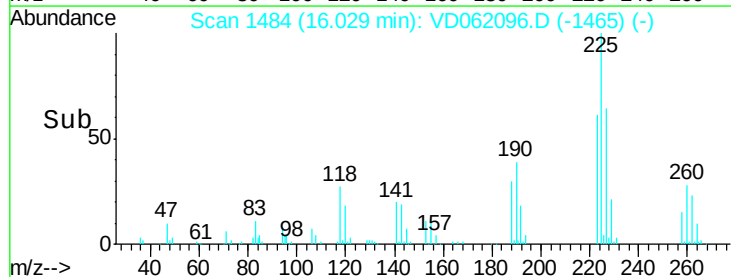
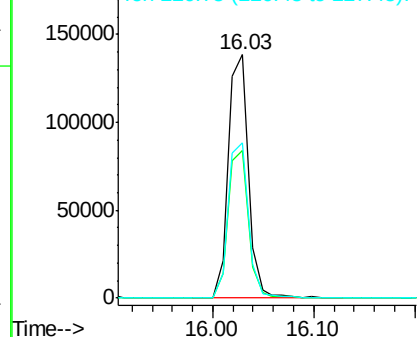


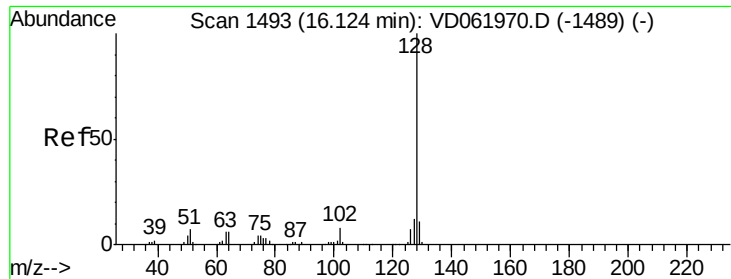
#94
 Hexachlorobutadiene
 Concen: 46.192 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062096.D
 Acq: 1 May 2019 11:47

Tgt Ion:225 Resp: 192639
 Ion Ratio Lower Upper
 225 100
 223 60.5 30.6 92.0
 227 63.6 32.0 96.2



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





#95

Naphthalene

Concen: 47.921 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.02 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

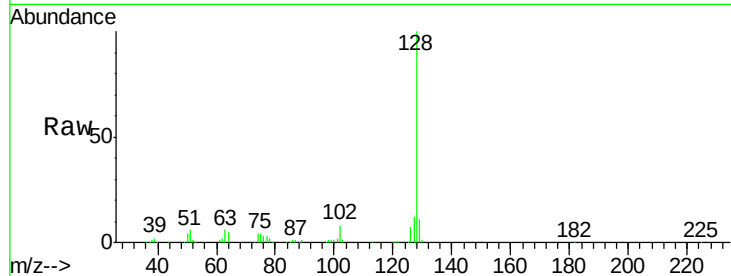
Tot Ion:128 Resp: 436038

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

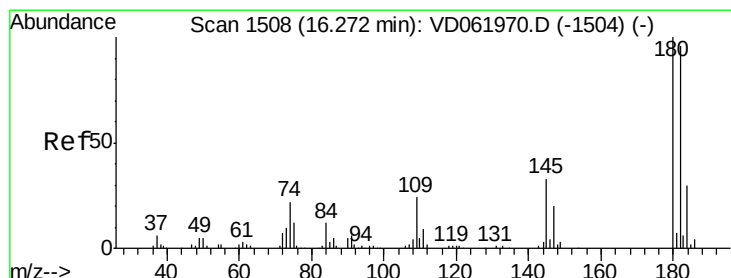
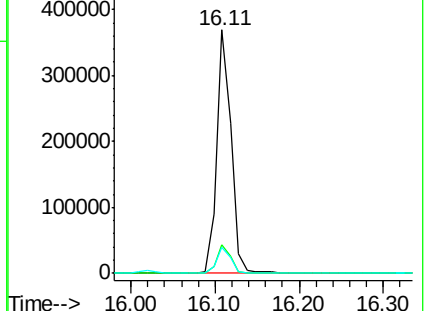
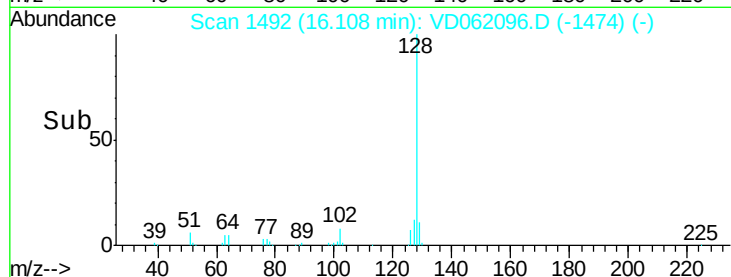
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.208 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062096.D

Acq: 1 May 2019 11:47

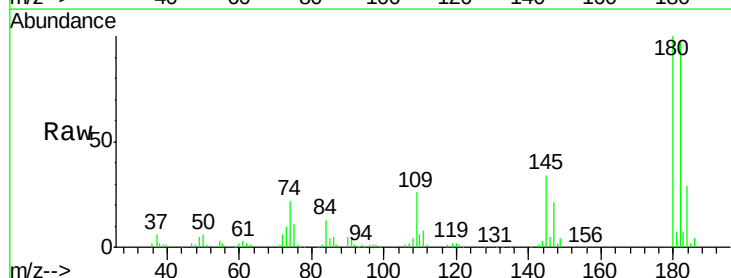
Tgt Ion:180 Resp: 157343

Ion Ratio Lower Upper

180 100

182 96.5 47.0 141.0

145 34.2 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

