

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042619\
 Data File : VD062053.D
 Acq On : 26 Apr 2019 10:47
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 26 23:03:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	591348	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	909081	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.39	117	742712	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	351650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	252137	54.48	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	108.96%	
35) Dibromofluoromethane	6.94	113	336164	53.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.94%	
50) Toluene-d8	10.43	98	778883	52.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	13.57	95	327001	54.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	272601	51.626	ug/l	99
3) Chloromethane	1.76	50	187739	41.833	ug/l	99
4) Vinyl Chloride	1.86	62	196277	48.253	ug/l	97
5) Bromomethane	2.16	94	58325	55.887	ug/l	98
6) Chloroethane	2.28	64	78293	53.247	ug/l	94
7) Trichlorofluoromethane	2.54	101	366942	59.663	ug/l	99
8) Diethyl Ether	2.89	74	78192	47.436	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	265923	46.937	ug/l	98
10) Methyl Iodide	3.33	142	424657	49.285	ug/l	98
11) Tert butyl alcohol	4.08	59	71588	273.762	ug/l	98
12) 1,1-Dichloroethene	3.14	96	214980	44.600	ug/l	95
13) Acrolein	3.05	56	64732	238.582	ug/l	96
14) Allyl chloride	3.65	41	331743	50.402	ug/l	94
15) Acrylonitrile	4.22	53	192534	237.774	ug/l	95
16) Acetone	3.23	43	311148	281.561	ug/l	97
17) Carbon Disulfide	3.40	76	646318	46.402	ug/l	99
18) Methyl Acetate	3.66	43	105286	52.648	ug/l	95
19) Methyl tert-butyl Ether	4.26	73	465360	48.659	ug/l	98
20) Methylene Chloride	3.83	84	258154	47.848	ug/l	99
21) trans-1,2-Dichloroethene	4.25	96	256229	46.338	ug/l	99
22) Diisopropyl ether	5.14	45	735090	47.836	ug/l	94
23) Vinyl Acetate	5.08	43	2032105	253.932	ug/l	97
24) 1,1-Dichloroethane	5.01	63	449948	48.445	ug/l	98
25) 2-Butanone	6.10	43	384053	286.643	ug/l	97
26) 2,2-Dichloropropane	6.05	77	460055	56.778	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	313613	49.855	ug/l	97
28) Bromochloromethane	6.46	49	176425	49.644	ug/l	94
29) Tetrahydrofuran	6.48	42	174770	264.736	ug/l	99
30) Chloroform	6.69	83	557750	52.870	ug/l	97
31) Cyclohexane	6.98	56	346635	50.281	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	506158	55.144	ug/l	98
36) 1,1-Dichloropropene	7.17	75	387600	54.725	ug/l	98
37) Ethyl Acetate	6.20	43	161230	53.419	ug/l	96
38) Carbon Tetrachloride	7.14	117	497943	55.481	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	366782	52.487	ug/l	97
40) Benzene	7.47	78	923834	52.687	ug/l	98
41) Methacrylonitrile	6.47	41	206980	58.775	ug/l	92
42) 1,2-Dichloroethane	7.60	62	333823	56.071	ug/l	96
43) Isopropyl Acetate	9.26	43	235887	53.489	ug/l #	99
44) Trichloroethene	8.57	130	360013	52.960	ug/l	98
45) 1,2-Dichloropropane	8.96	63	236458	53.157	ug/l	100
46) Dibromomethane	9.09	93	180588	56.419	ug/l	93
47) Bromodichloromethane	9.39	83	398116	52.640	ug/l	99
48) Methyl methacrylate	9.14	41	138894	55.201	ug/l	95
49) 1,4-Dioxane	9.10	88	30615	1128.573	ug/l	91
51) 4-Methyl-2-Pentanone	10.32	43	702576	260.505	ug/l	97
52) Toluene	10.54	92	574425	51.379	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	381224	60.052	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	429168	55.584	ug/l	97
55) 1,1,2-Trichloroethane	11.22	97	199705	53.206	ug/l	98
56) Ethyl methacrylate	11.07	69	214616	51.627	ug/l	96
57) 1,3-Dichloropropane	11.43	76	310765	53.607	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	500130	258.767	ug/l	97
59) 2-Hexanone	11.55	43	563516	278.538	ug/l	99
60) Dibromochloromethane	11.71	129	340219	54.781	ug/l	99
61) 1,2-Dibromoethane	11.83	107	245454	55.127	ug/l	99
64) Tetrachloroethene	11.27	164	278246	52.517	ug/l	97
65) Chlorobenzene	12.42	112	714765	50.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	296722	49.843	ug/l	96
67) Ethyl Benzene	12.54	91	1118019	48.807	ug/l	100
68) m/p-Xylenes	12.68	106	821907	99.273	ug/l	96
69) o-Xylene	13.07	106	386160	50.977	ug/l	99
70) Styrene	13.09	104	694459	53.093	ug/l	99
71) Bromoform	13.25	173	186424	54.928	ug/l #	99
73) Isopropylbenzene	13.42	105	1177056	50.178	ug/l	98
74) N-amyl acetate	13.28	43	295813	48.966	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	229302	49.883	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	223147	49.972	ug/l	100
77) Bromobenzene	13.69	156	324470	48.218	ug/l	99
78) n-propylbenzene	13.78	91	1249060	46.514	ug/l	99
79) 2-Chlorotoluene	13.85	91	709193	43.601	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	882908	47.204	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	70539	52.128	ug/l	92
82) 4-Chlorotoluene	13.96	91	863232	48.191	ug/l	97
83) tert-Butylbenzene	14.20	119	1161736	53.616	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	924159	51.746	ug/l	99
85) sec-Butylbenzene	14.38	105	1097098	46.860	ug/l	97
86) p-Isopropyltoluene	14.50	119	1063405	50.751	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	605775	51.406	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	524672	47.609	ug/l	93
89) n-Butylbenzene	14.81	91	878067	46.678	ug/l	97
90) Hexachloroethane	15.02	117	312034	55.073	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	424201	43.640	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	35074	51.557	ug/l	78

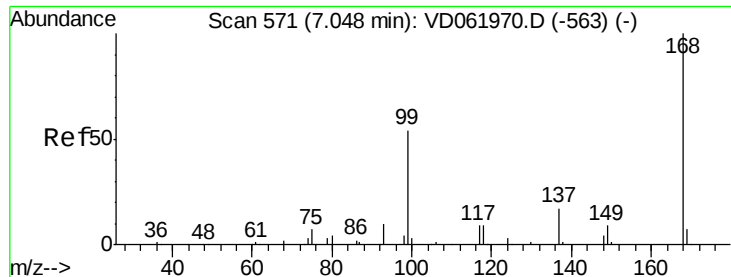
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	250844	47.827	ug/l	98
94) Hexachlorobutadiene	16.05	225	214424	55.245	ug/l	99
95) Naphthalene	16.14	128	417632	49.317	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	158048	53.111	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

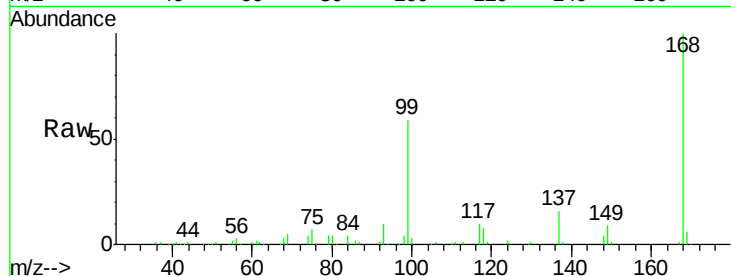
VSTDCCC050

Tot Ion:168 Resp: 591348

Ion Ratio Lower Upper

168 100

99 59.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

150000

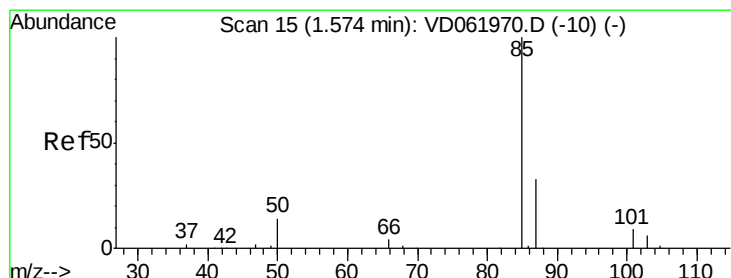
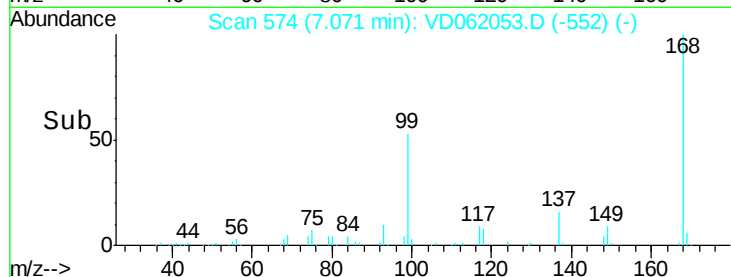
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 51.626 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD062053.D

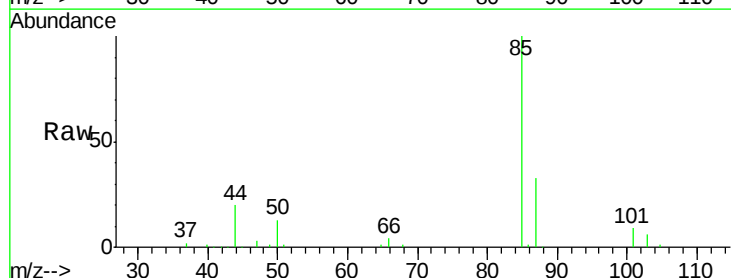
Acq: 26 Apr 2019 10:47

Tgt Ion: 85 Resp: 272601

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

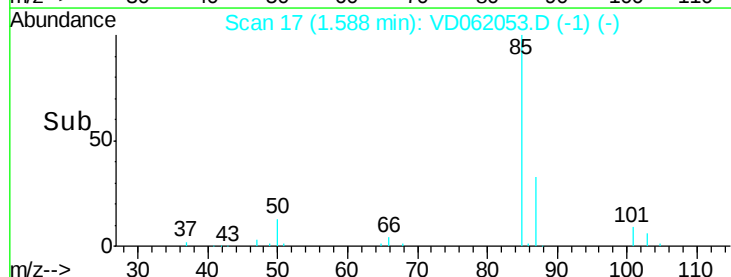
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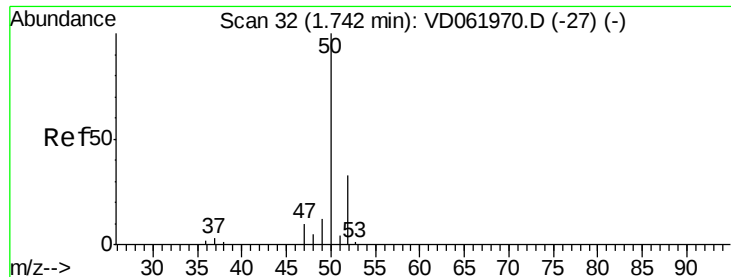
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 41.833 ug/l

RT: 1.76 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

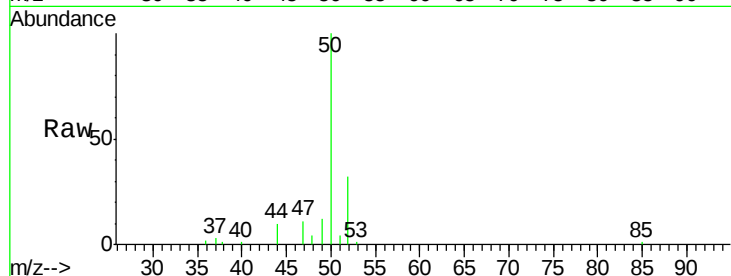
VSTDCCC050

Tot Ion: 50 Resp: 187739

Ion Ratio Lower Upper

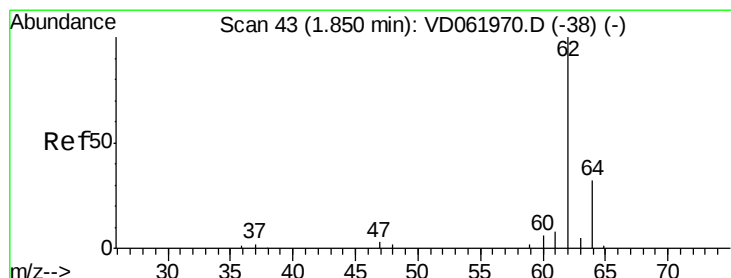
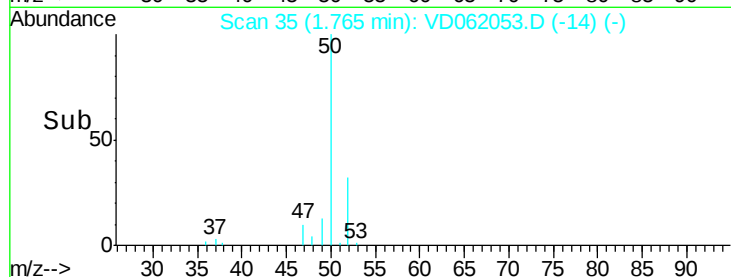
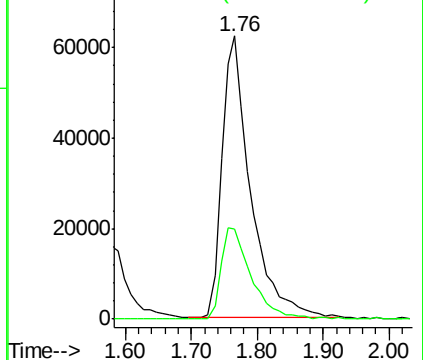
50 100

52 31.8 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: 48.253 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD062053.D

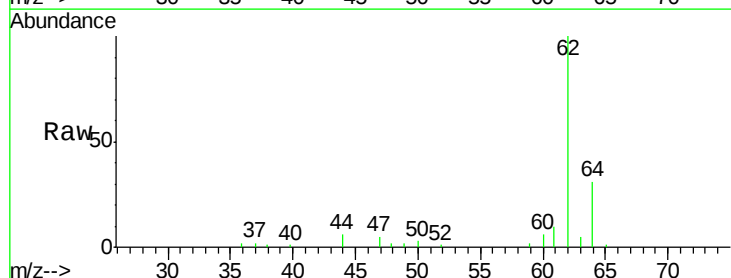
Acq: 26 Apr 2019 10:47

Tgt Ion: 62 Resp: 196277

Ion Ratio Lower Upper

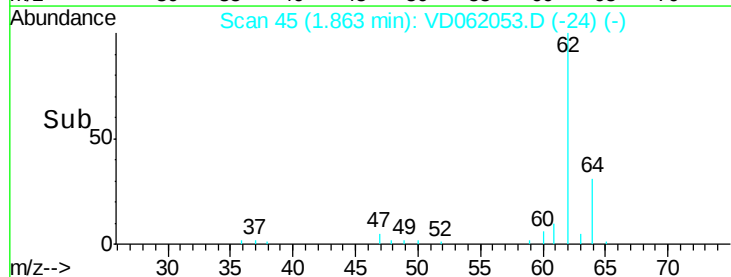
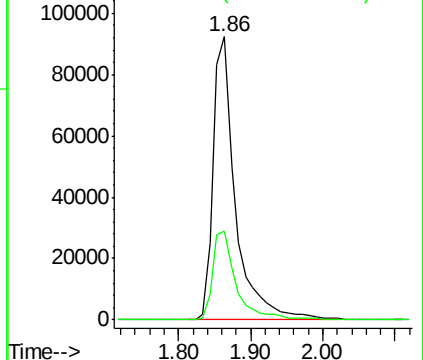
62 100

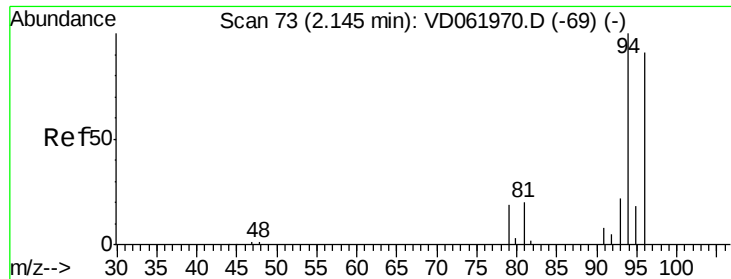
64 31.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.887 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

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VSTDCCC050

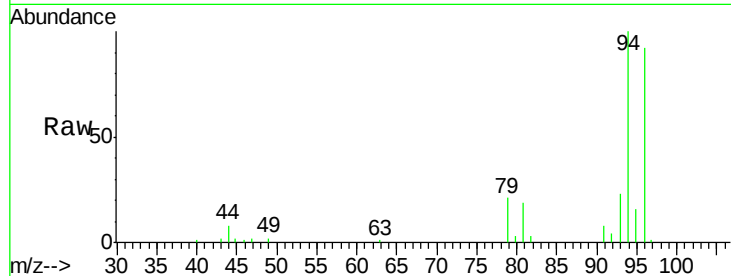
Tot Ion: 94 Resp: 58325

Ion Ratio Lower Upper

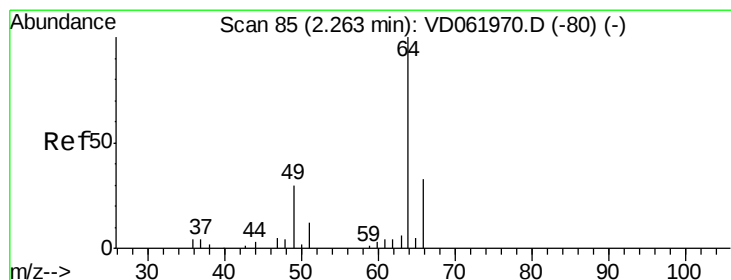
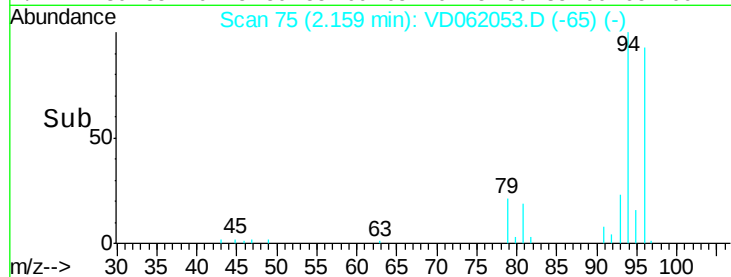
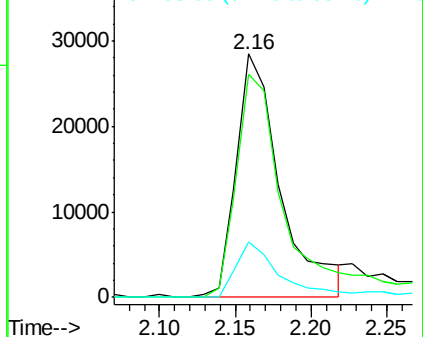
94 100

96 93.1 76.6 115.0

93 22.9 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: 53.247 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD062053.D

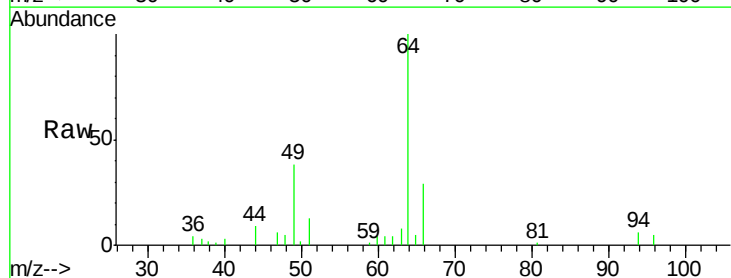
Acq: 26 Apr 2019 10:47

Tgt Ion: 64 Resp: 78293

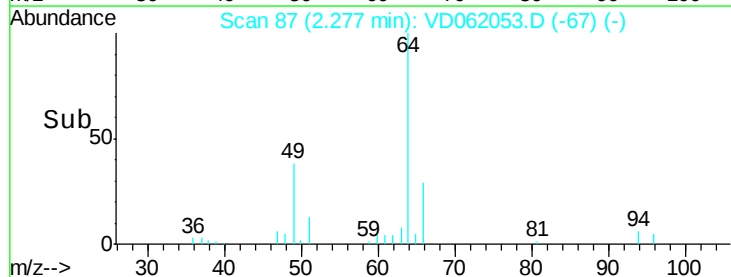
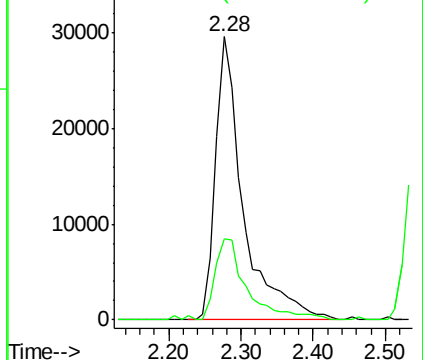
Ion Ratio Lower Upper

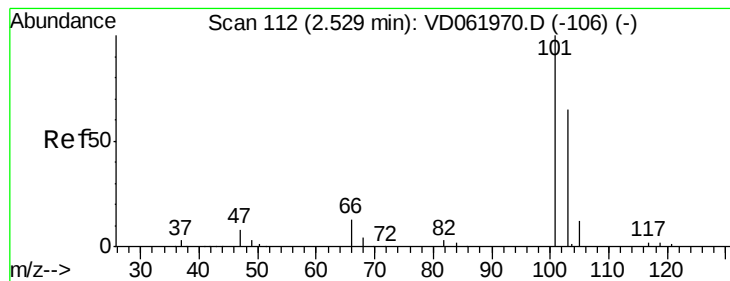
64 100

66 28.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



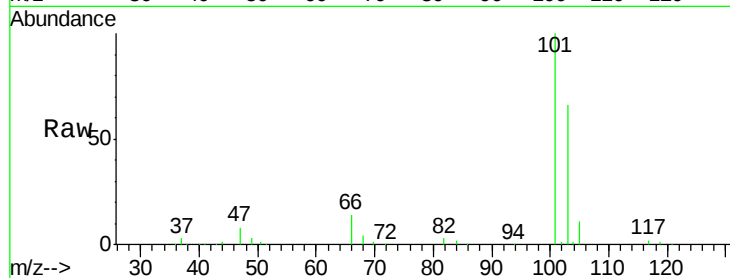


#7

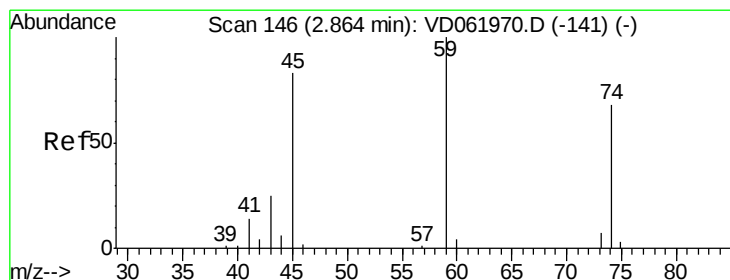
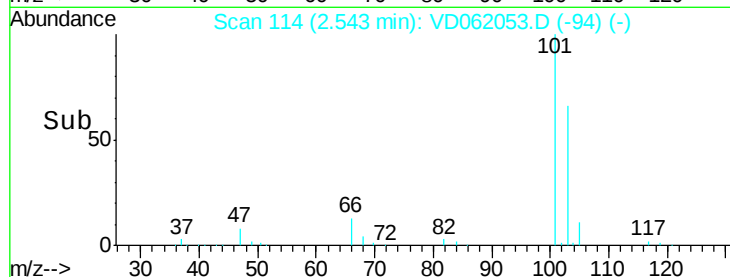
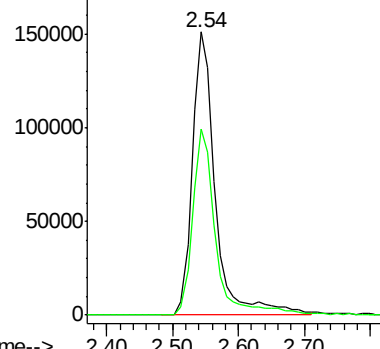
Trichlorofluoromethane
 Concen: 59.663 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Instrument :
 MSVOA_D
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 VSTDCCC050

Tot Ion:101 Resp: 366942
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.6 80.4



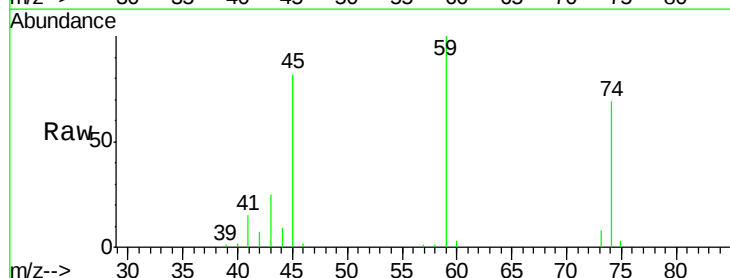
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



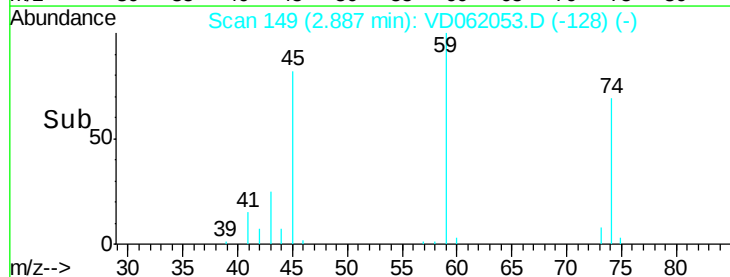
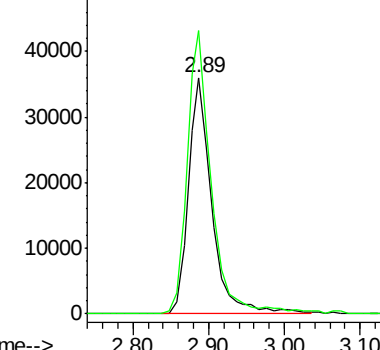
#8

Diethyl Ether
 Concen: 47.436 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion: 74 Resp: 78192
 Ion Ratio Lower Upper
 74 100
 45 119.6 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: 46.937 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

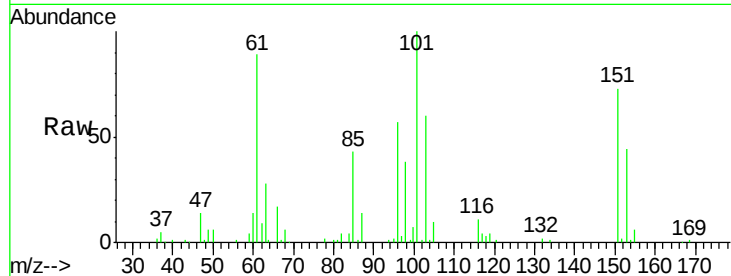
Tot Ion:101 Resp: 265923

Ion Ratio Lower Upper

101 100

85 43.0 32.4 48.6

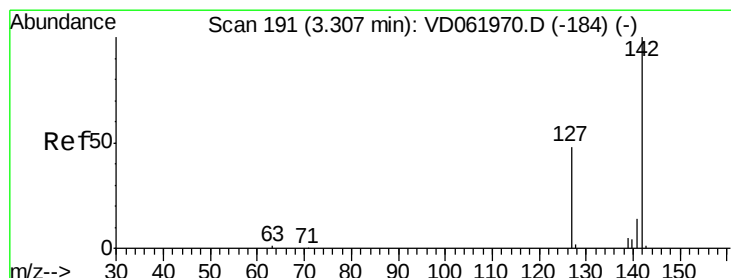
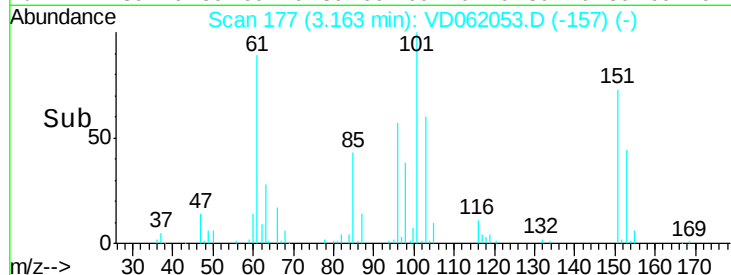
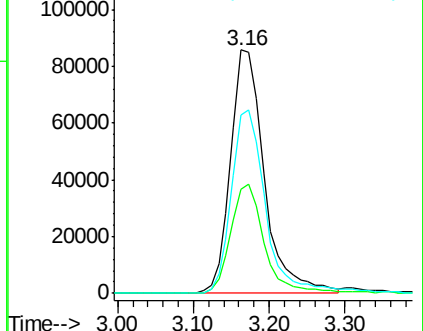
151 73.4 59.4 89.0



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: 49.285 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

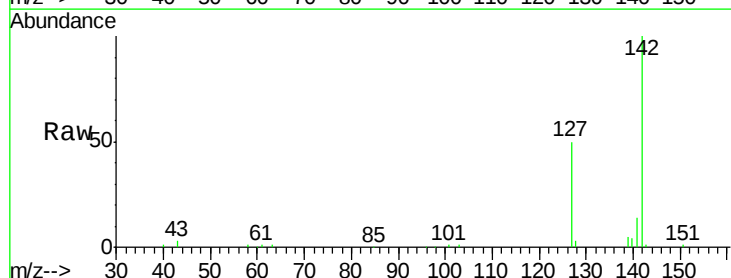
Tgt Ion:142 Resp: 424657

Ion Ratio Lower Upper

142 100

127 49.8 38.8 58.2

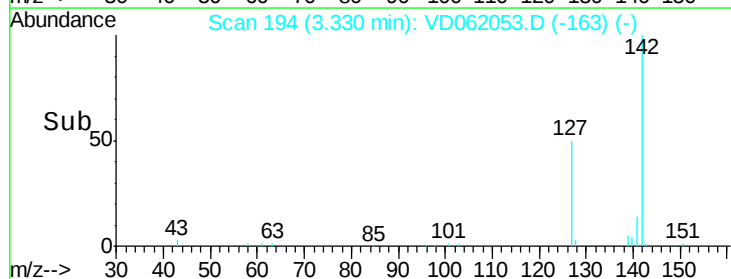
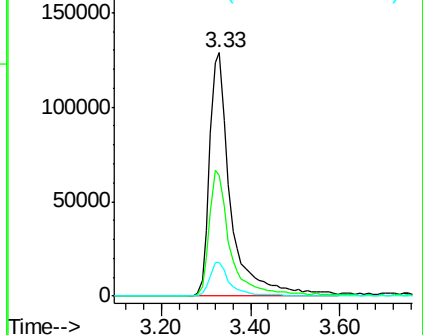
141 13.6 11.4 17.0

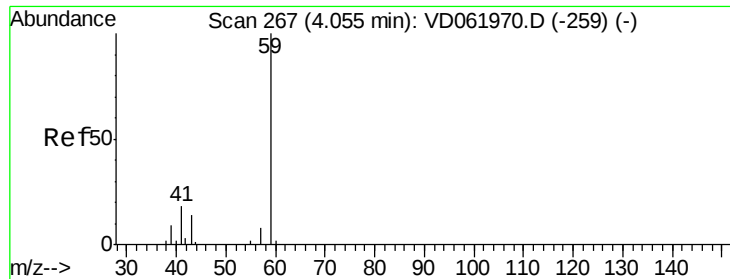


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

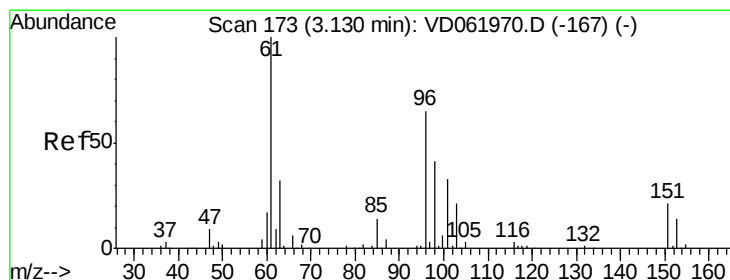
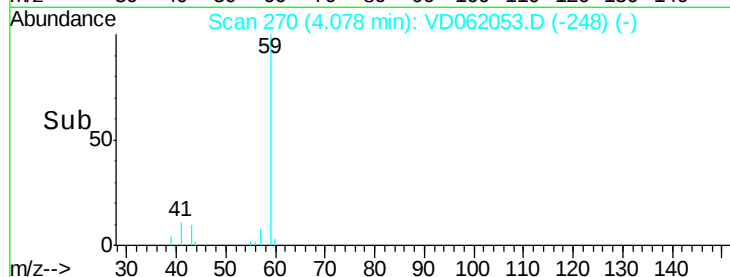
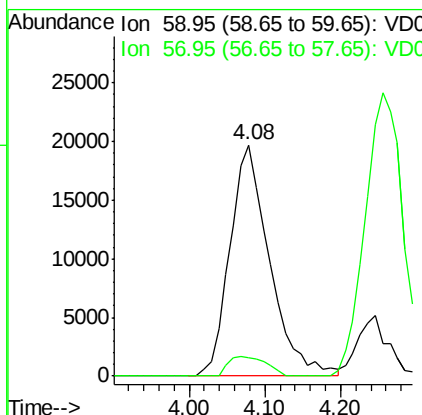
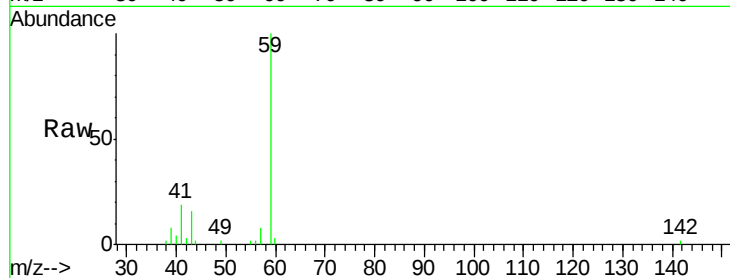




#11
Tert butyl alcohol
Concen: 273.762 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

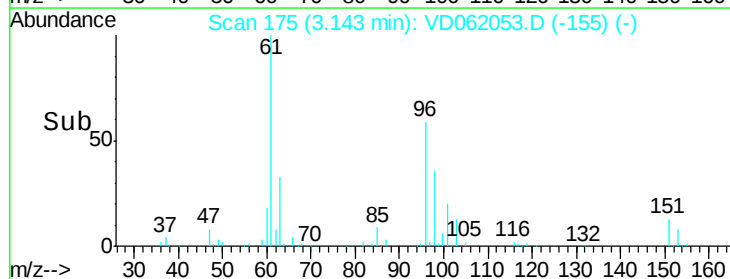
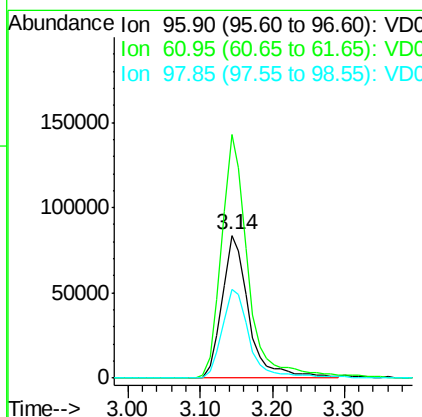
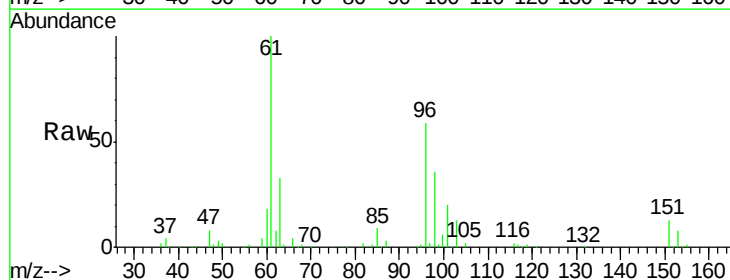
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

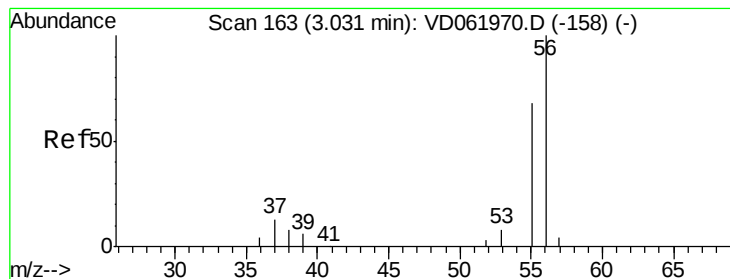
Tot Ion: 59 Resp: 71588
Ion Ratio Lower Upper
59 100
57 7.7 6.9 10.3



#12
1,1-Dichloroethene
Concen: 44.600 ug/l
RT: 3.14 min Scan# 175
Delta R.T. -0.00 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion: 96 Resp: 214980
Ion Ratio Lower Upper
96 100
61 170.8 129.8 194.8
98 61.9 51.2 76.8





#13

Acrolein

Concen: 238.582 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

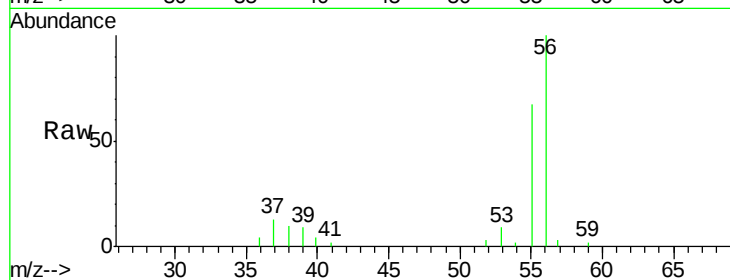
VSTDCCC050

Tot Ion: 56 Resp: 64732

Ion Ratio Lower Upper

56 100

55 67.3 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

25000

20000

15000

10000

5000

0

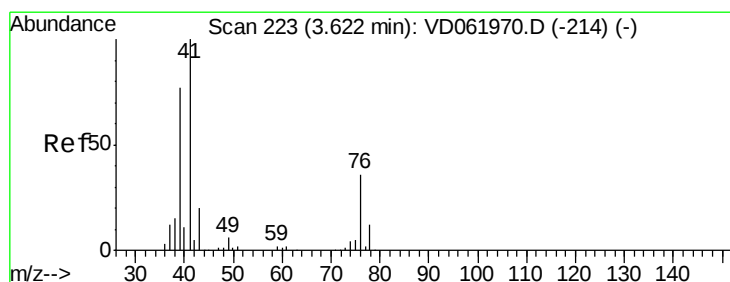
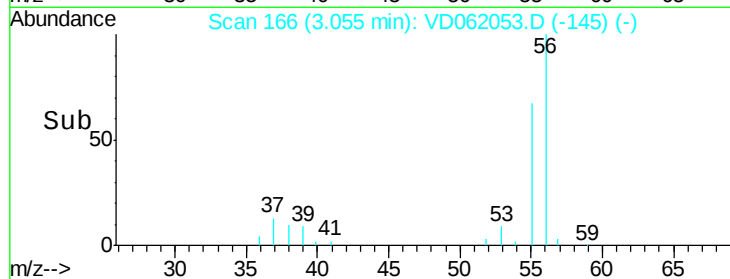
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 50.402 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

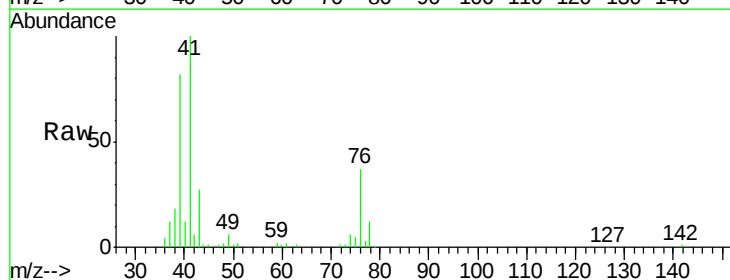
Tgt Ion: 41 Resp: 331743

Ion Ratio Lower Upper

41 100

39 81.9 60.5 90.7

76 37.1 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

50000

0

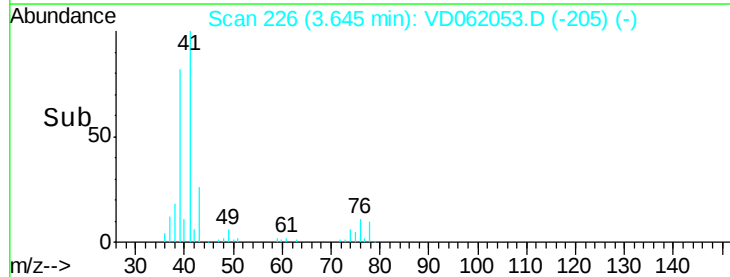
Time-->

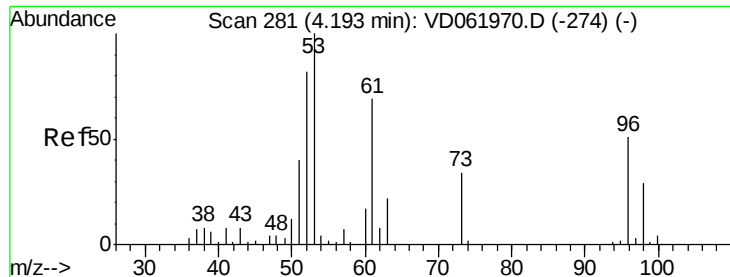
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 237.774 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

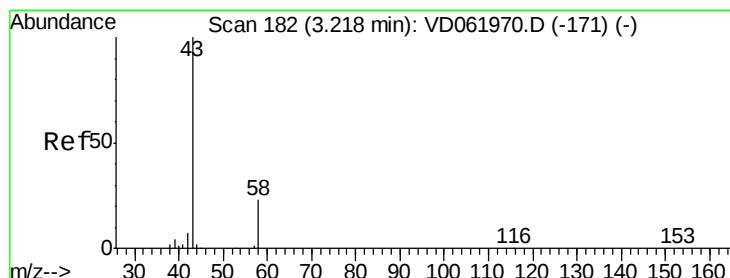
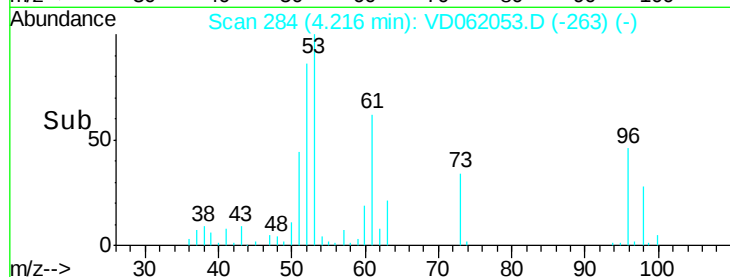
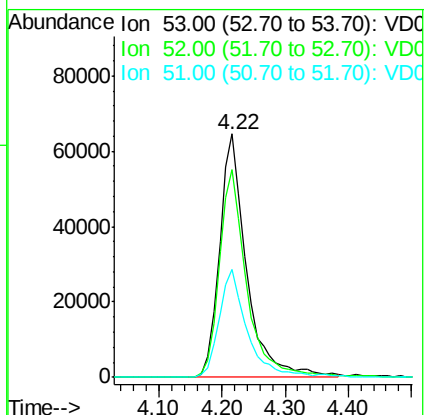
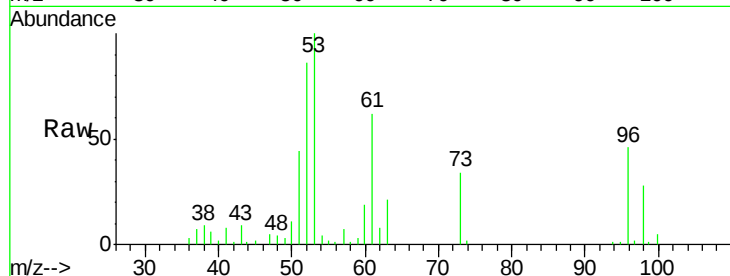
Tot Ion: 53 Resp: 192534

Ion Ratio Lower Upper

53 100

52 85.5 65.0 97.4

51 44.2 32.6 48.8



#16

Acetone

Concen: 281.561 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062053.D

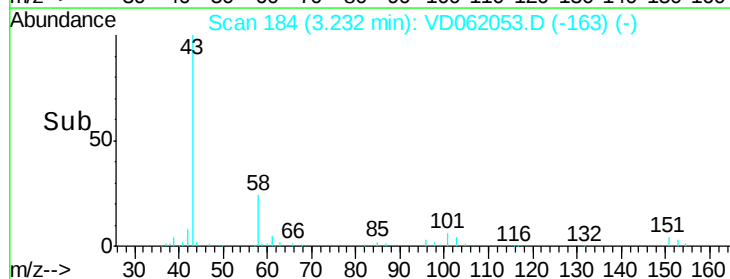
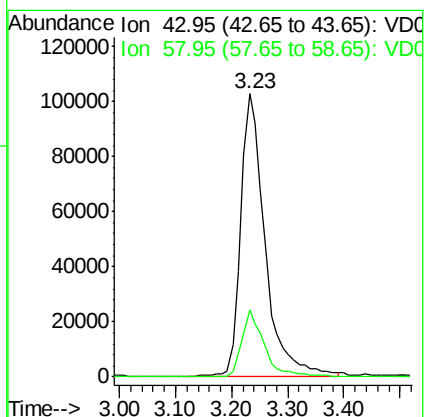
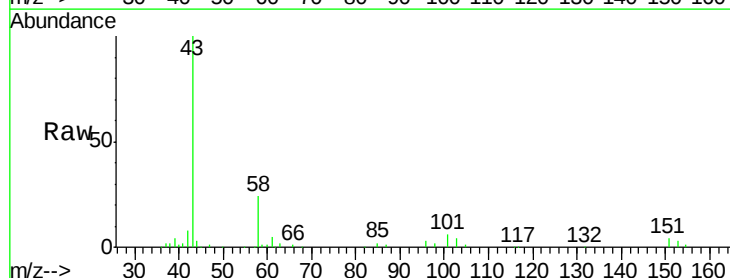
Acq: 26 Apr 2019 10:47

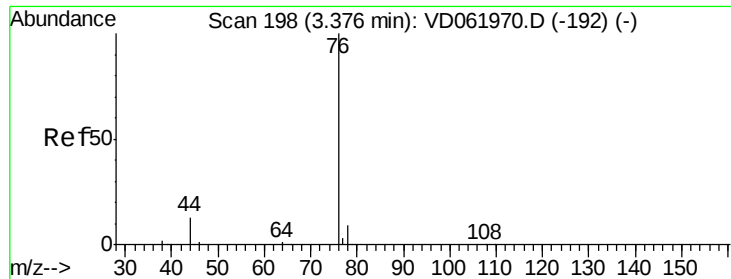
Tgt Ion: 43 Resp: 311148

Ion Ratio Lower Upper

43 100

58 23.5 19.9 29.9

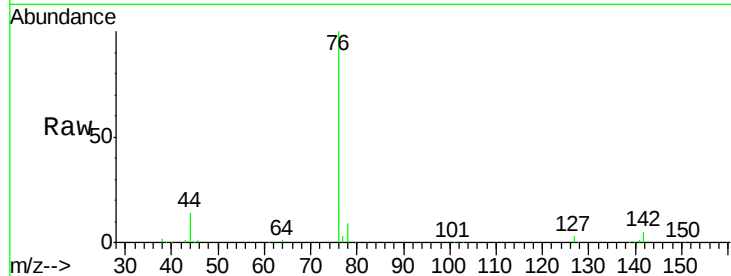




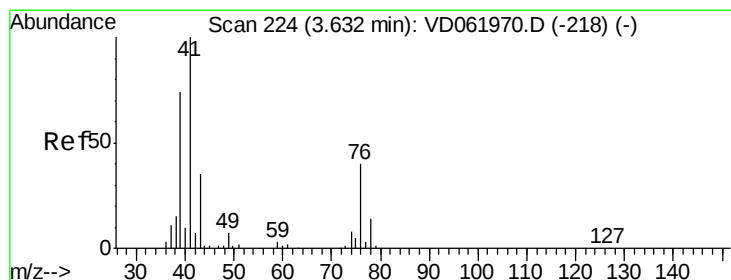
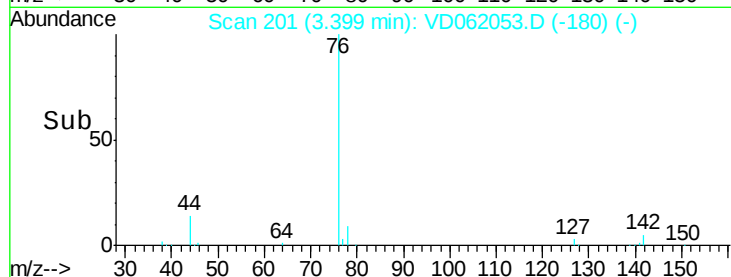
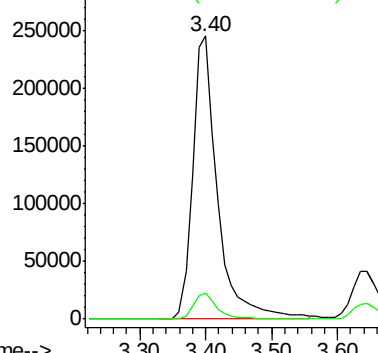
#17
Carbon Disulfide
Concen: 46.402 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 646318
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

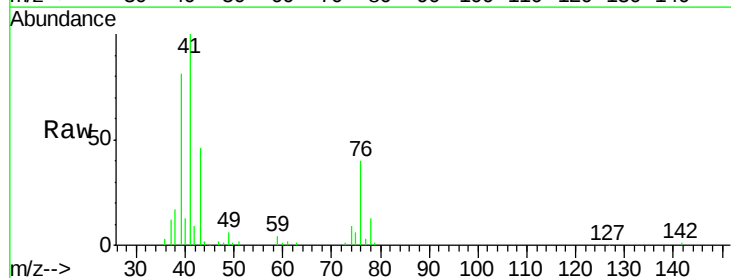


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

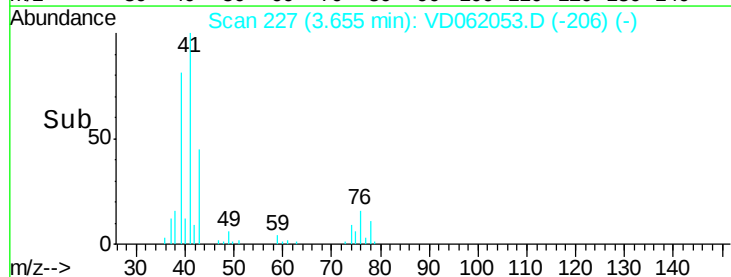
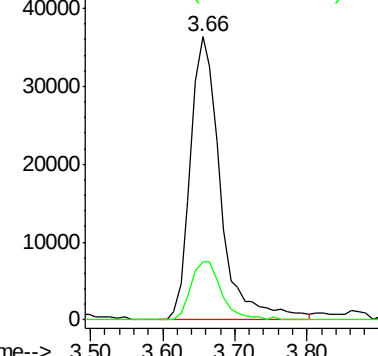


#18
Methyl Acetate
Concen: 52.648 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion: 43 Resp: 105286
Ion Ratio Lower Upper
43 100
74 20.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

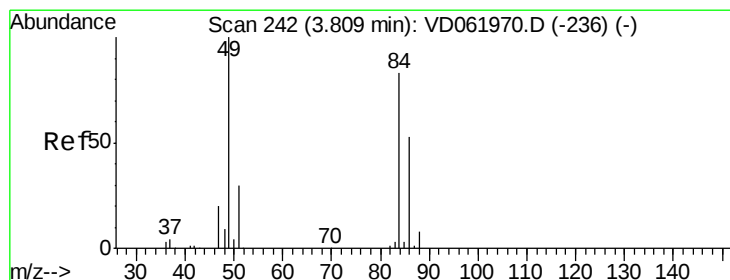
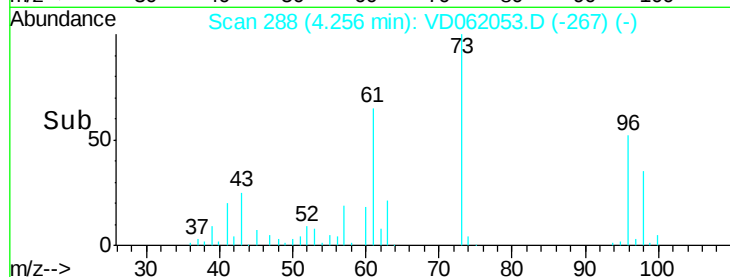
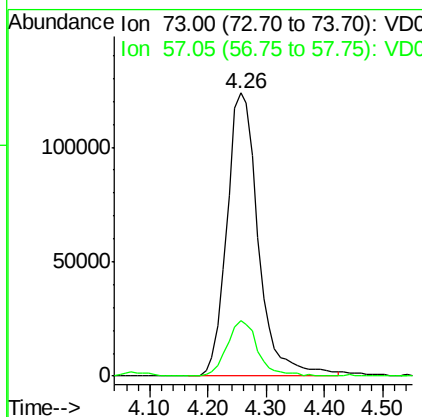
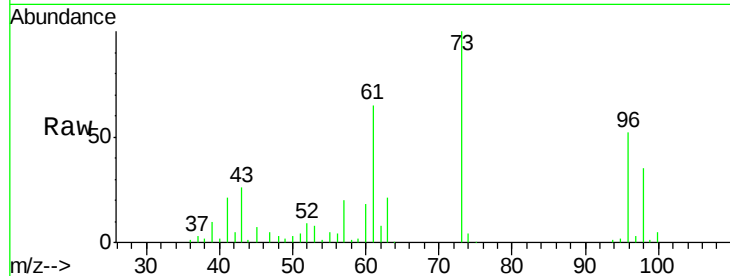




#19
Methyl tert-butyl Ether
Concen: 48.659 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

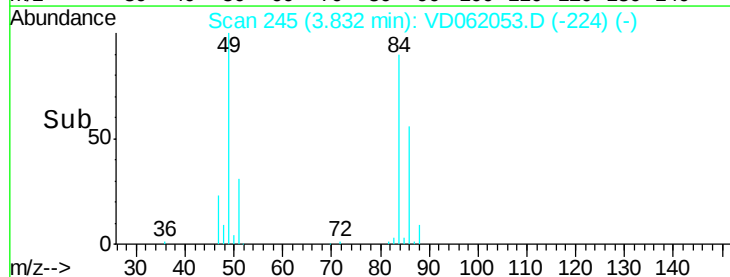
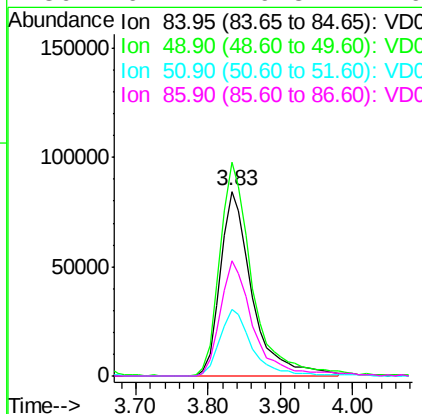
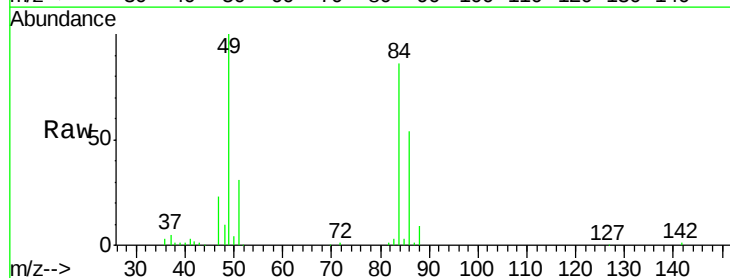
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

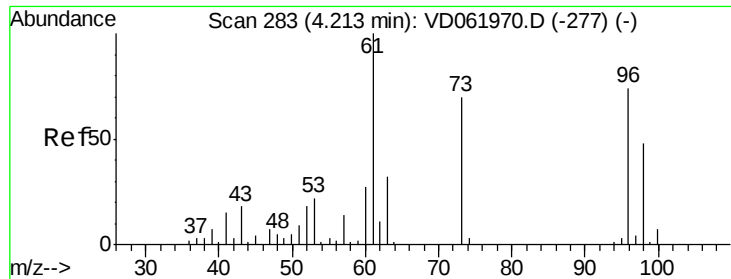
Tot Ion: 73 Resp: 465360
Ion Ratio Lower Upper
73 100
57 19.5 16.3 24.5



#20
Methylene Chloride
Concen: 47.848 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion: 84 Resp: 258154
Ion Ratio Lower Upper
84 100
49 115.8 94.0 141.0
51 36.2 29.0 43.4
86 62.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 46.338 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

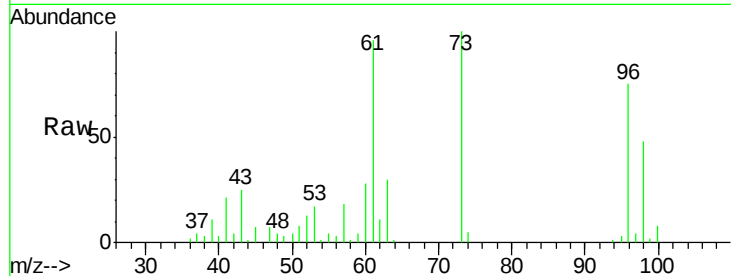
Tot Ion: 96 Resp: 256229

Ion Ratio Lower Upper

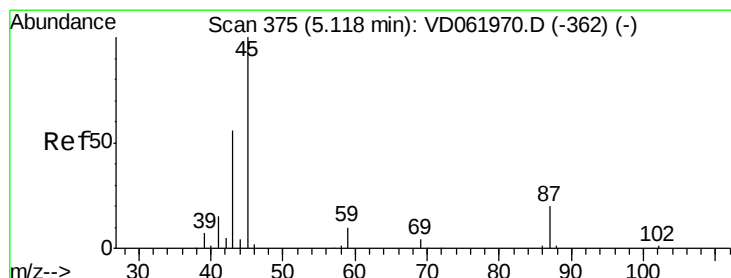
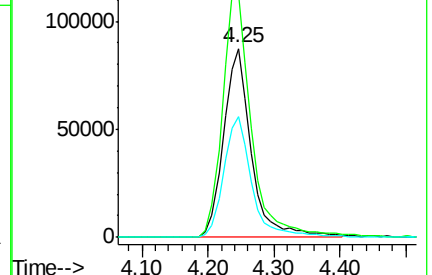
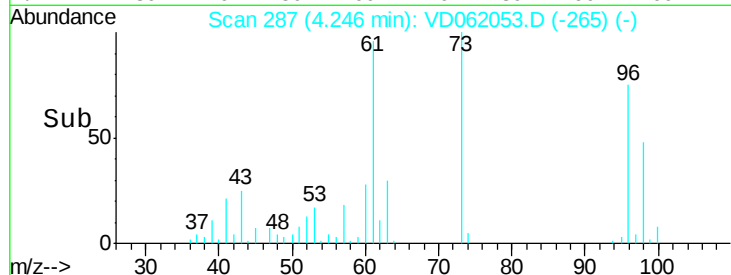
96 100

61 129.0 104.4 156.6

98 63.9 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: 47.836 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Tgt Ion: 45 Resp: 735090

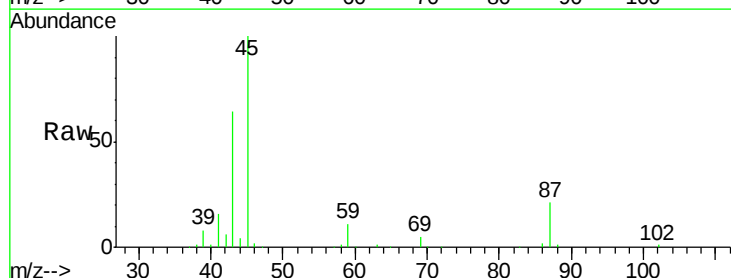
Ion Ratio Lower Upper

45 100

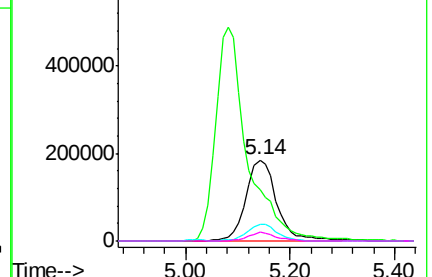
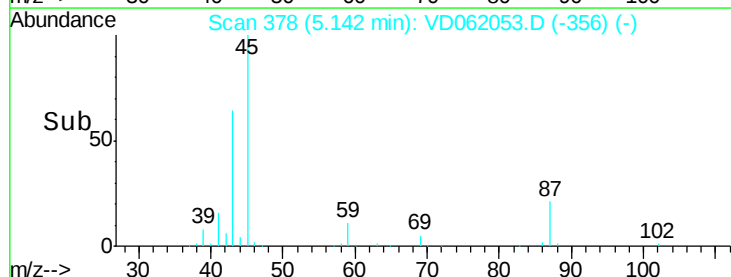
43 63.6 46.2 69.2

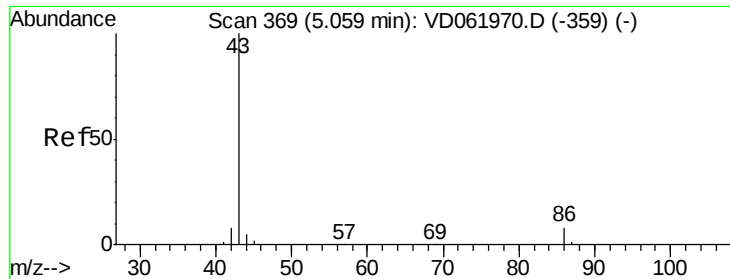
87 21.4 15.9 23.9

59 10.6 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

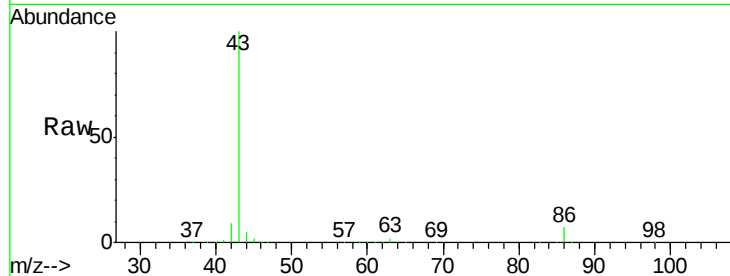




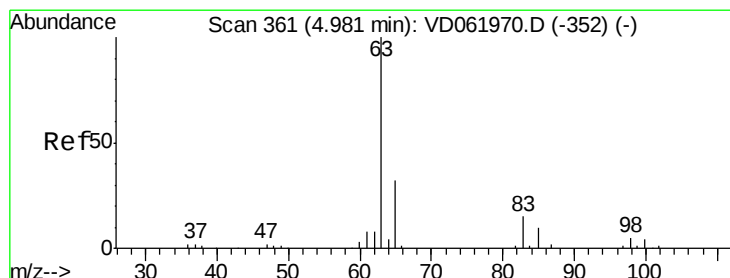
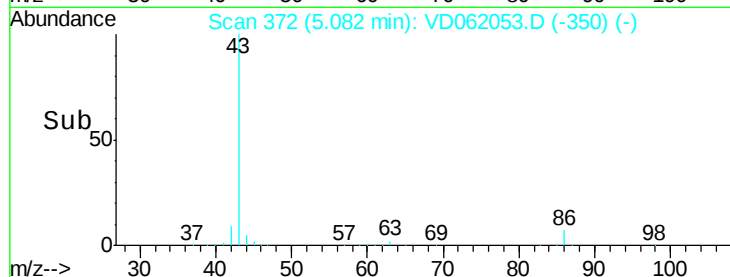
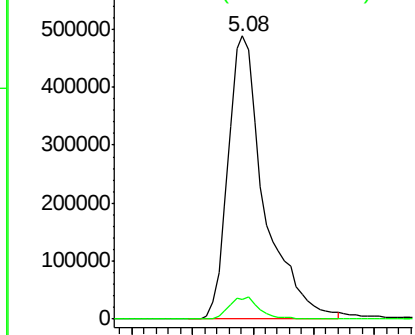
#23
 Vinyl Acetate
 Concen: 253.932 ug/l
 RT: 5.08 min Scan# 372
 Delta R.T. 0.02 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2032105
 Ion Ratio Lower Upper
 43 100
 86 7.1 6.4 9.6

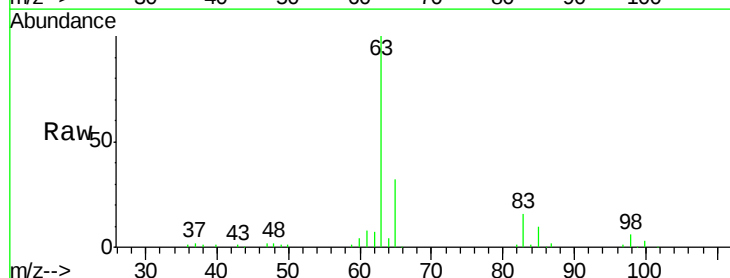


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 86.00 (85.70 to 86.70): VDC

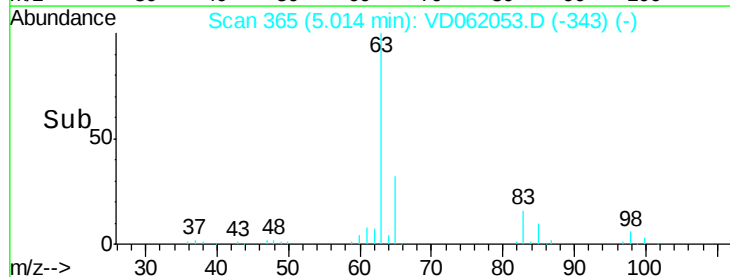
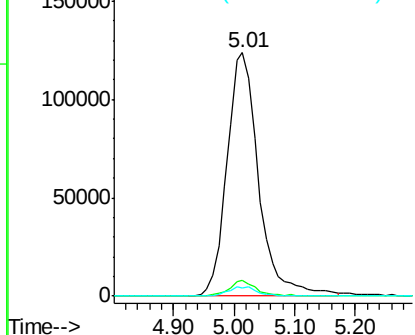


#24
 1,1-Dichloroethane
 Concen: 48.445 ug/l
 RT: 5.01 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion: 63 Resp: 449948
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.8 8.4
 100 3.5 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





#25

2-Butanone

Concen: 286.643 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

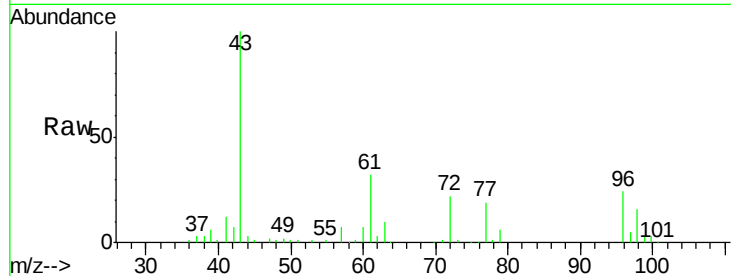
VSTDCCC050

Tot Ion: 43 Resp: 384053

Ion Ratio Lower Upper

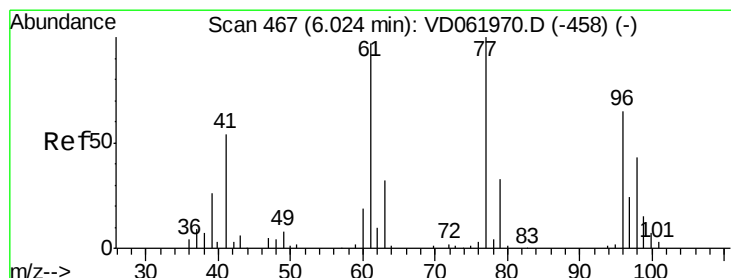
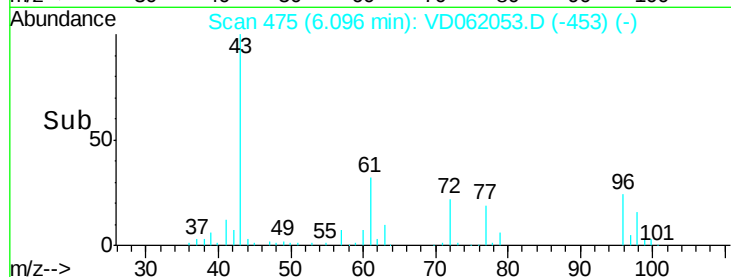
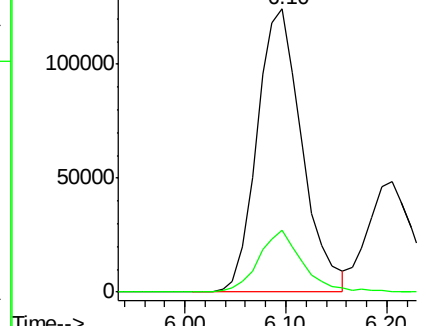
43 100

72 21.7 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: 56.778 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD062053.D

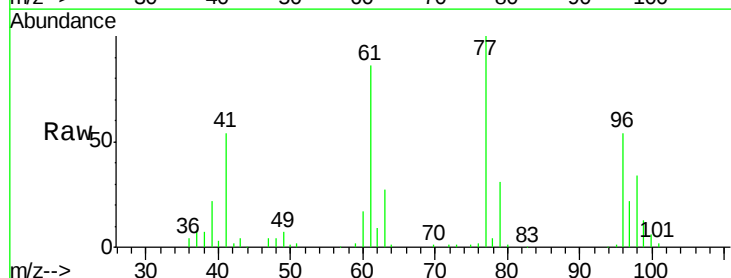
Acq: 26 Apr 2019 10:47

Tgt Ion: 77 Resp: 460055

Ion Ratio Lower Upper

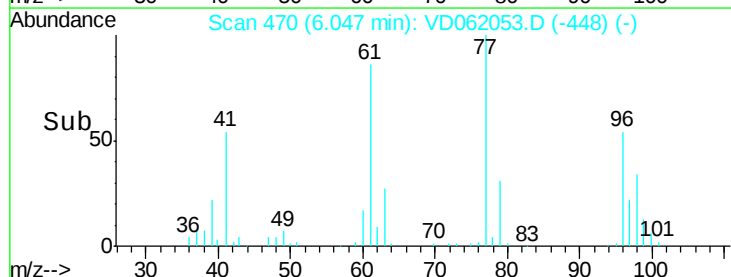
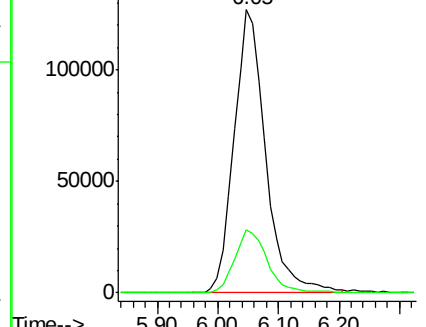
77 100

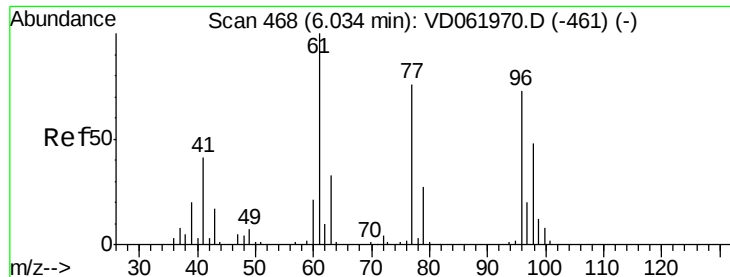
97 22.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



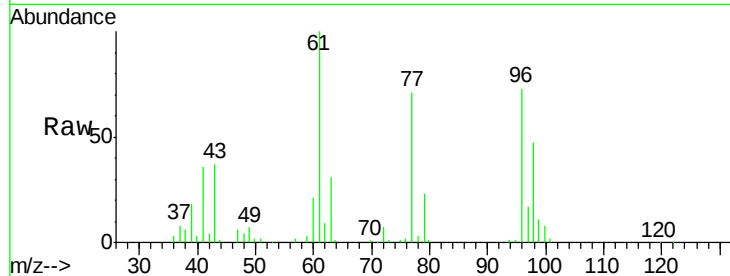


#27

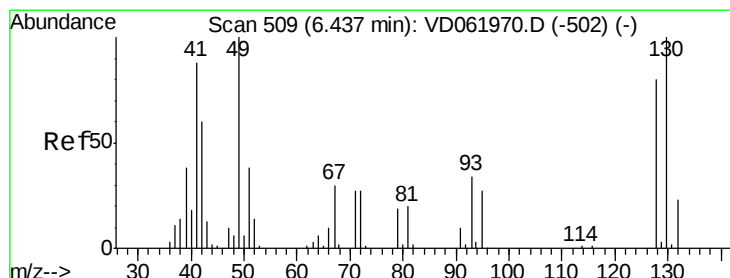
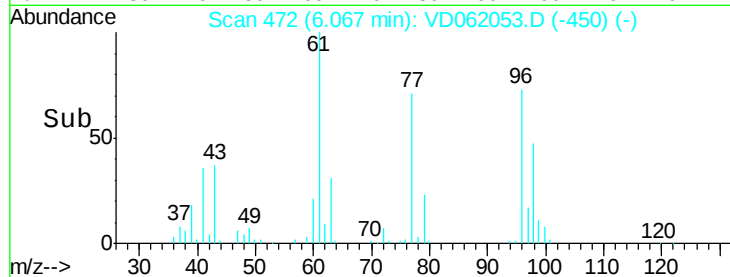
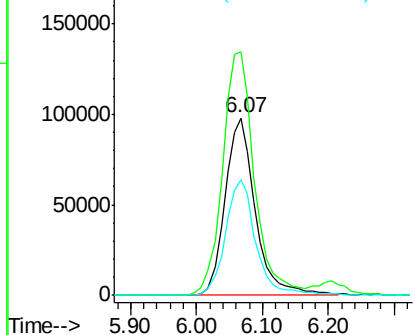
cis-1,2-Dichloroethene
Concen: 49.855 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	279.8
98	64.8	0.0	136.0



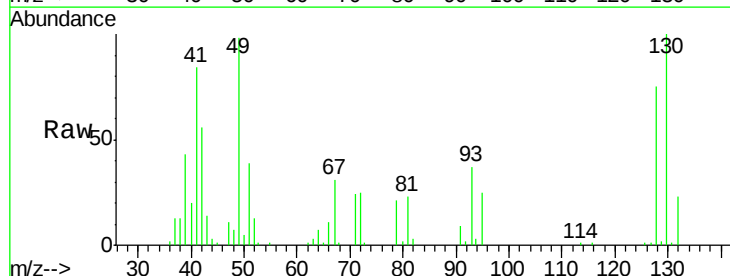
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



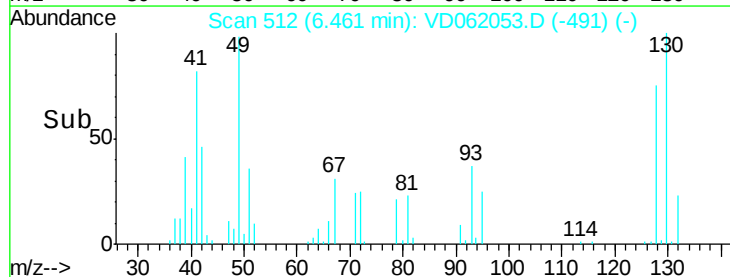
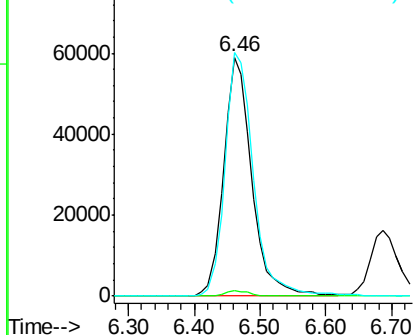
#28

Bromochloromethane
Concen: 49.644 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	6.6
130	101.9	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: 264.736 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

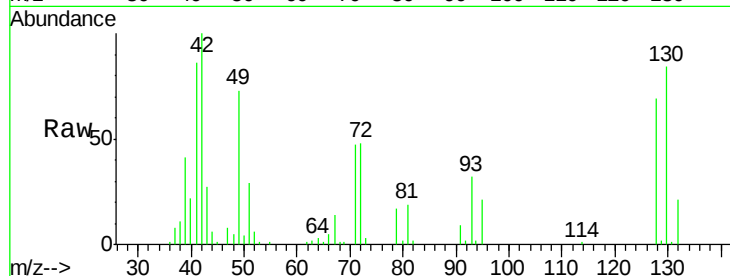
Tot Ion: 42 Resp: 174770

Ion Ratio Lower Upper

42 100

72 46.8 37.8 56.6

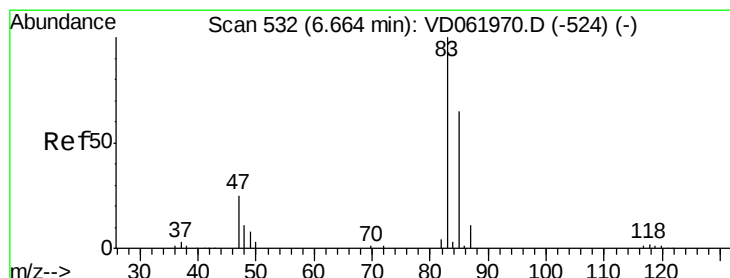
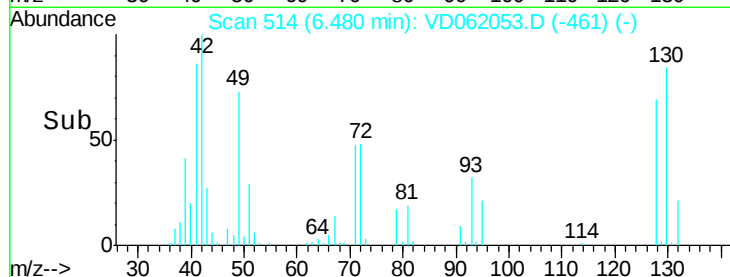
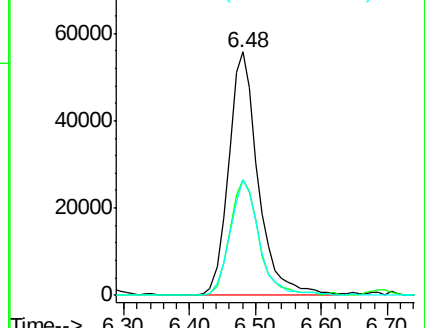
71 46.6 36.7 55.1



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: 52.870 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.01 min

Lab File: VD062053.D

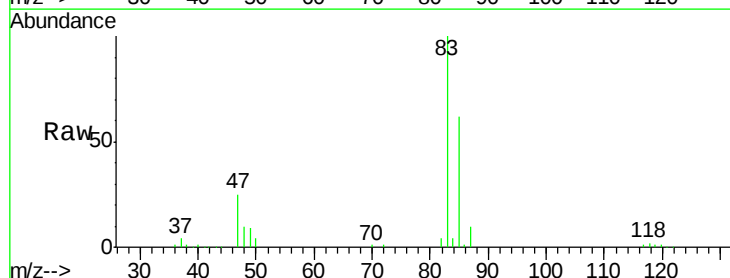
Acq: 26 Apr 2019 10:47

Tgt Ion: 83 Resp: 557750

Ion Ratio Lower Upper

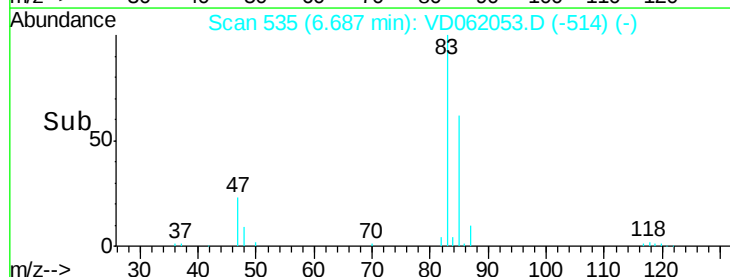
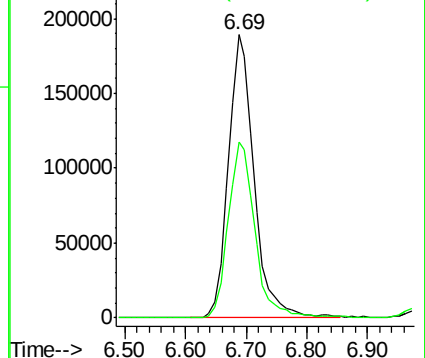
83 100

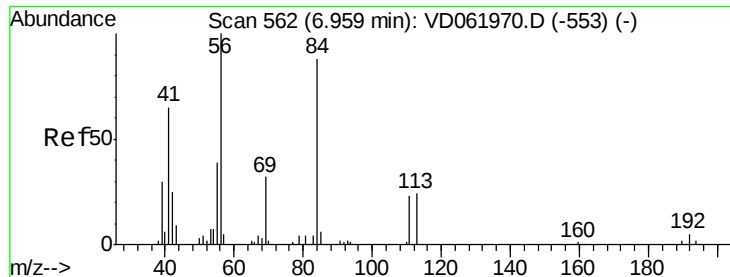
85 62.4 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

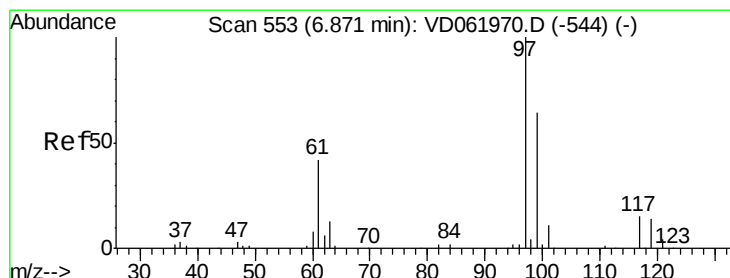
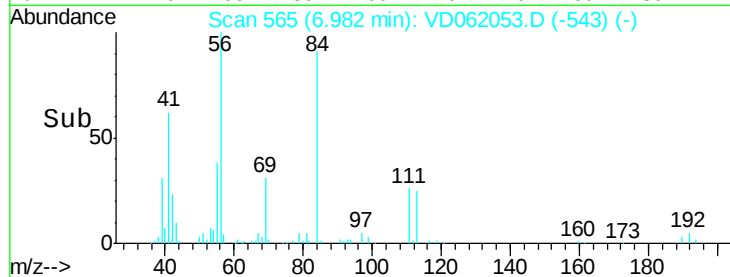
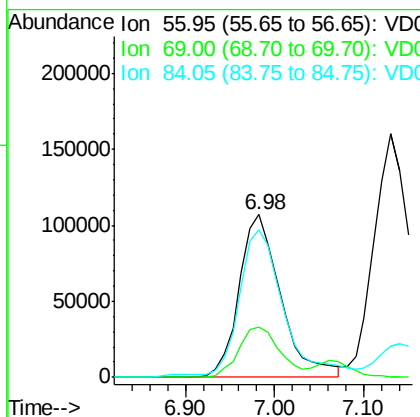
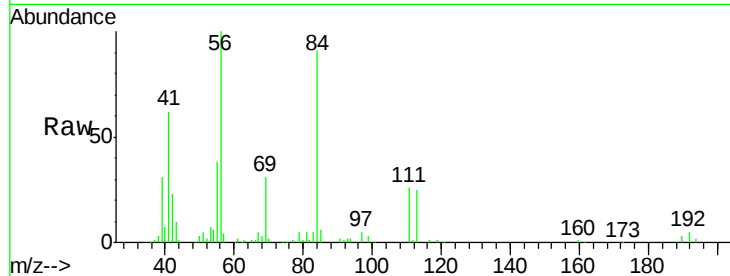




#31
Cyclohexane
Concen: 50.281 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

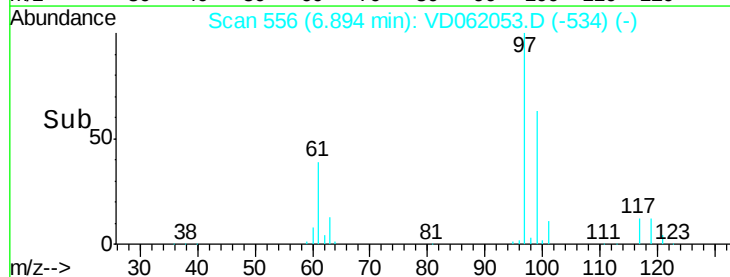
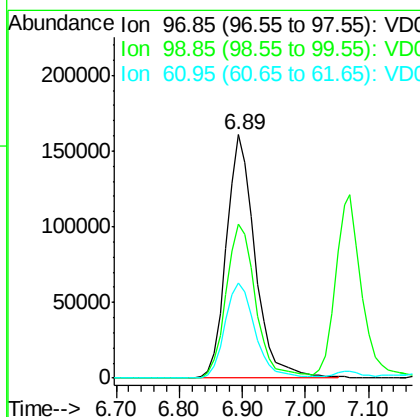
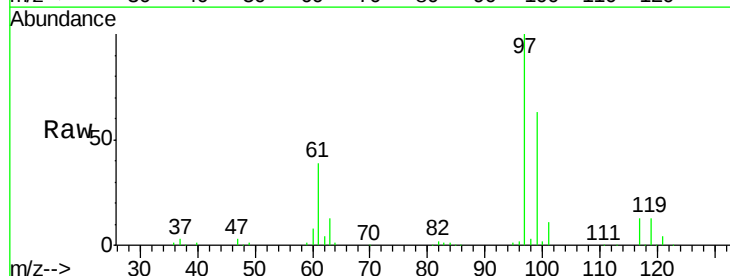
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 346635
Ion Ratio Lower Upper
56 100
69 31.2 25.8 38.6
84 91.0 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 55.144 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion: 97 Resp: 506158
Ion Ratio Lower Upper
97 100
99 63.2 52.2 78.2
61 39.3 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 54.478 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

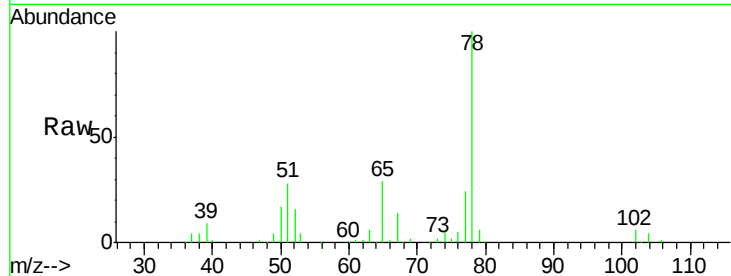
VSTDCCC050

Tot Ion: 65 Resp: 252137

Ion Ratio Lower Upper

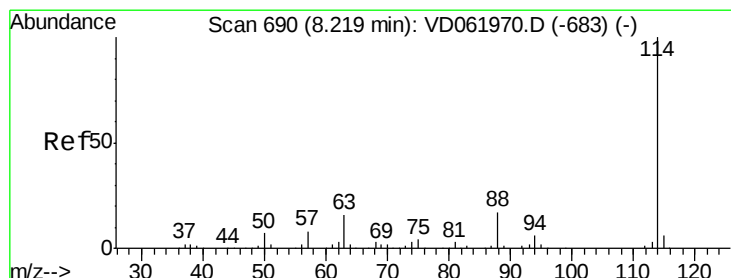
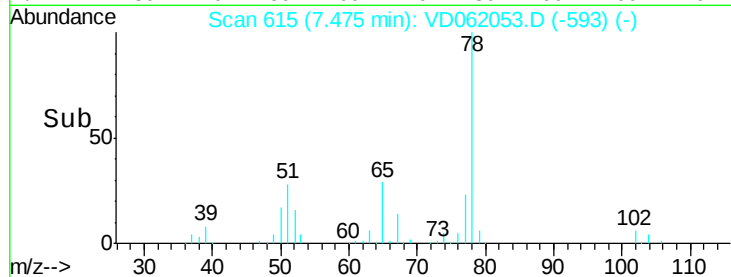
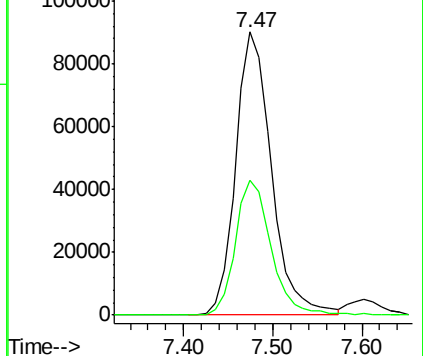
65 100

67 47.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

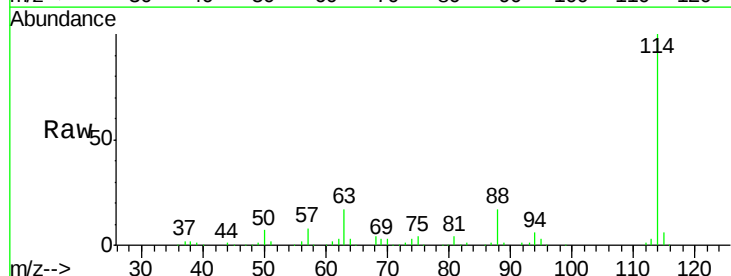
Tgt Ion: 114 Resp: 909081

Ion Ratio Lower Upper

114 100

63 17.1 0.0 32.4

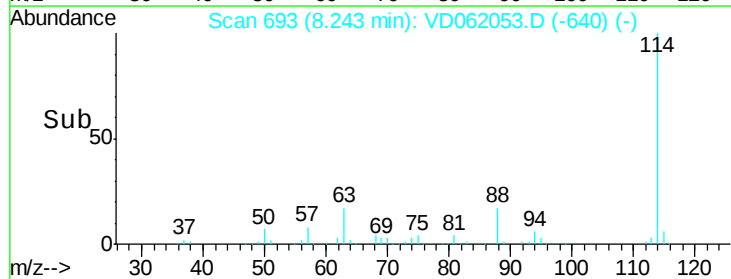
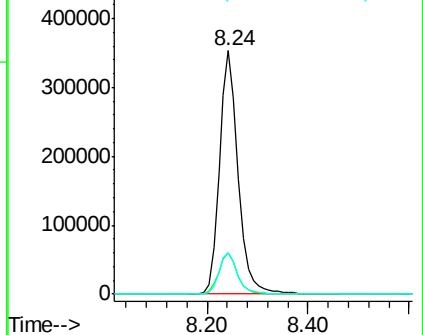
88 16.7 0.0 33.6

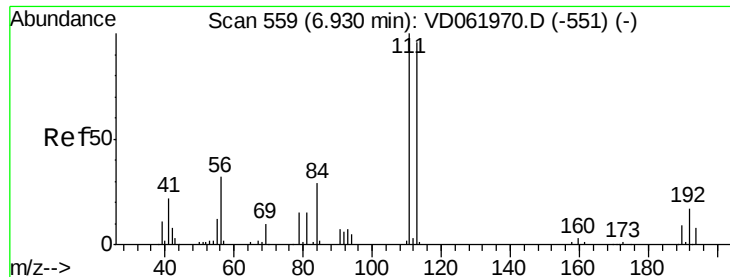


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

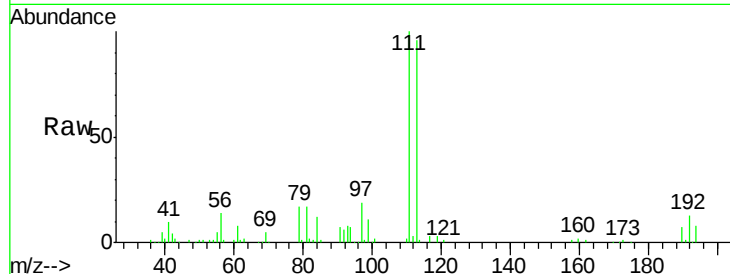




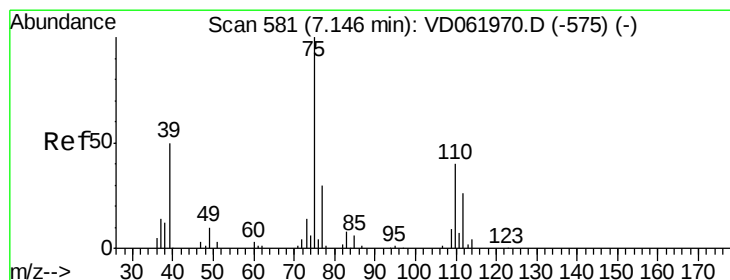
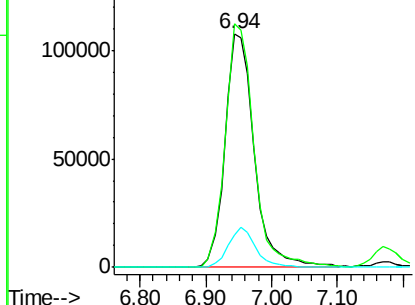
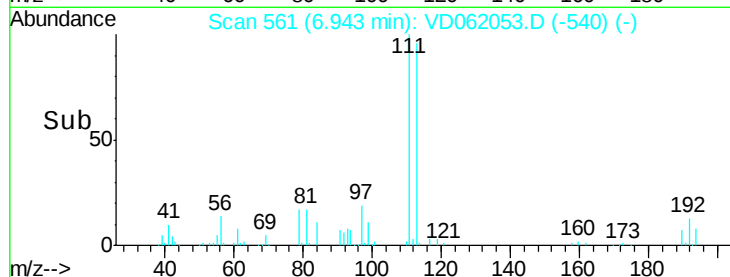
#35
 Dibromofluoromethane
 Concen: 53.468 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 336164
 Ion Ratio Lower Upper
 113 100
 111 104.1 78.5 117.7
 192 13.9 13.0 19.4

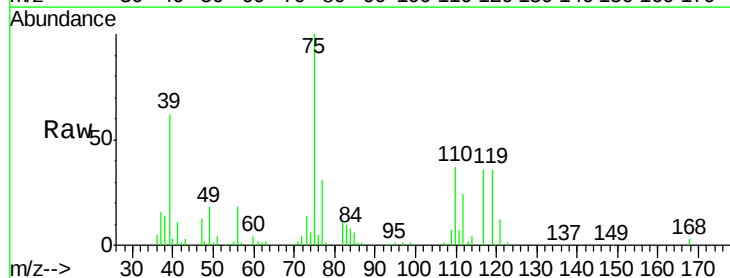


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

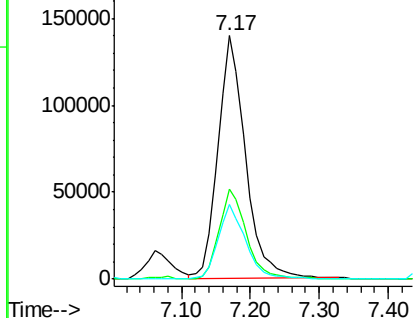
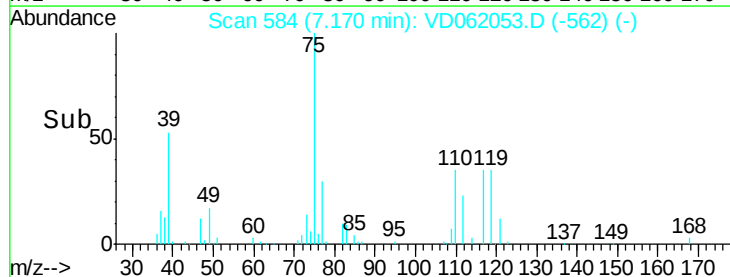


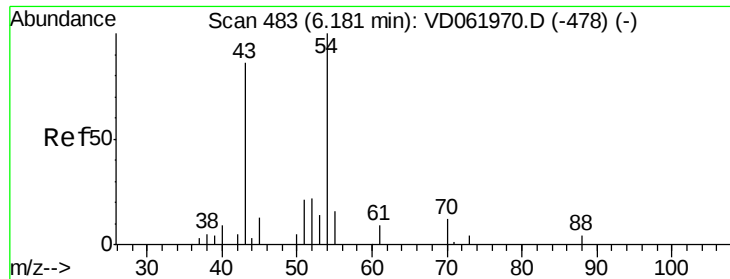
#36
 1,1-Dichloropropene
 Concen: 54.725 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.02 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion: 75 Resp: 387600
 Ion Ratio Lower Upper
 75 100
 110 37.0 19.1 57.1
 77 30.7 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

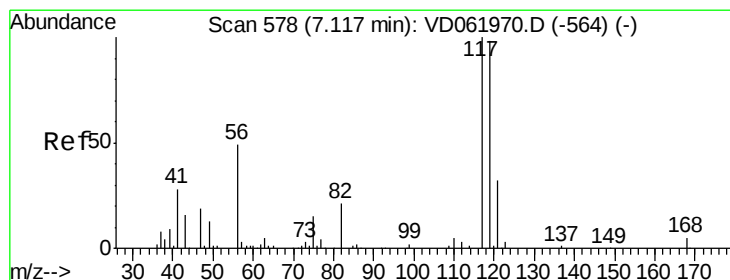
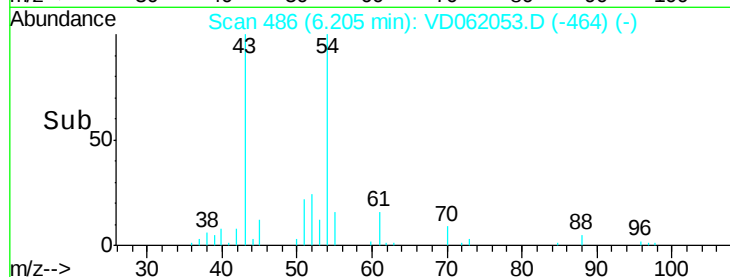
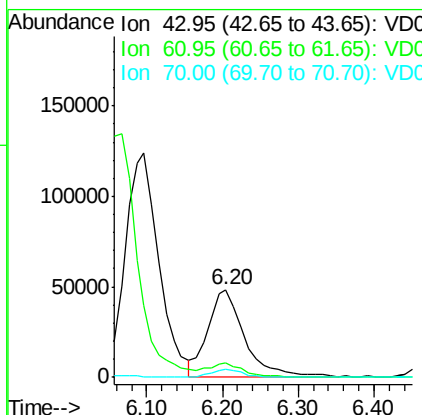
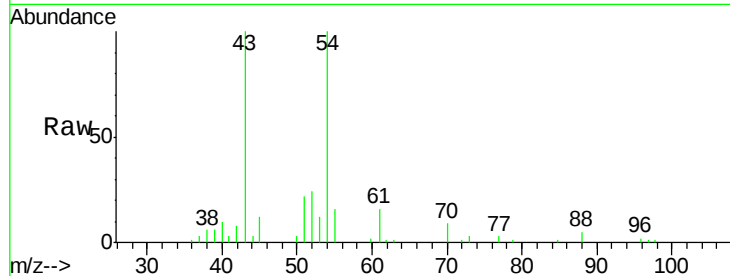




#37
Ethyl Acetate
Concen: 53.419 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

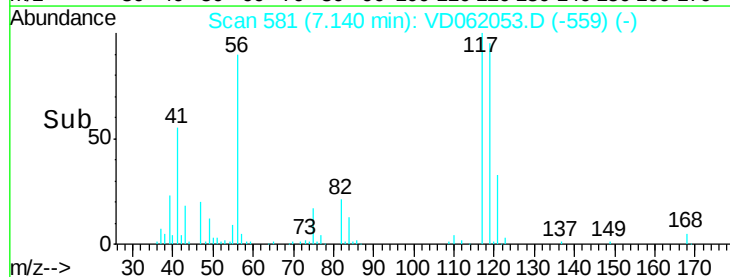
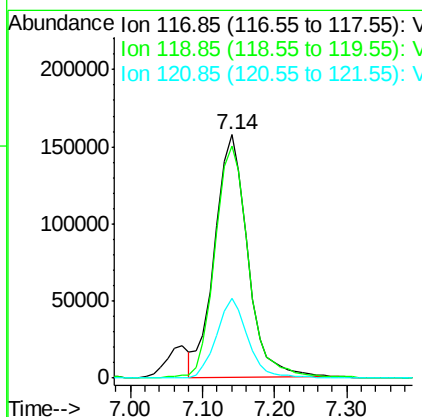
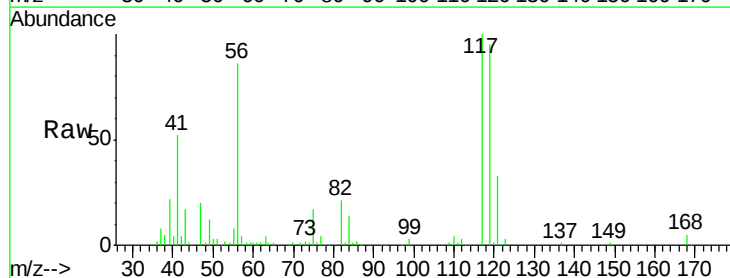
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

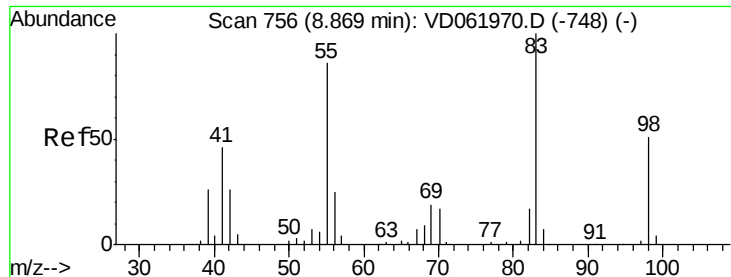
Tot Ion: 43 Resp: 161230
Ion Ratio Lower Upper
43 100
61 15.9 14.7 22.1
70 9.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 55.481 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion: 117 Resp: 497943
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.8
121 32.7 25.9 38.9

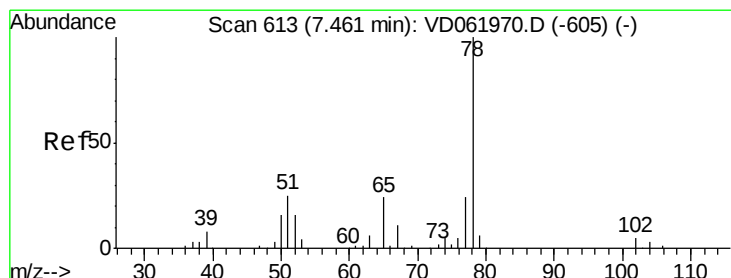
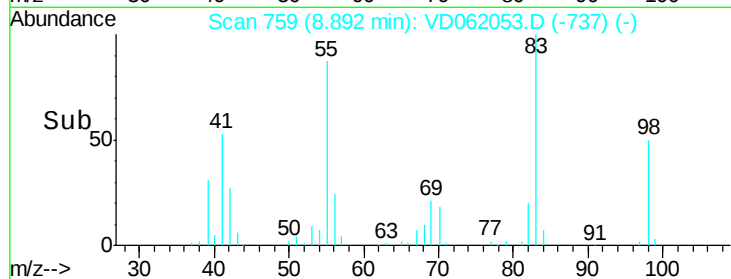
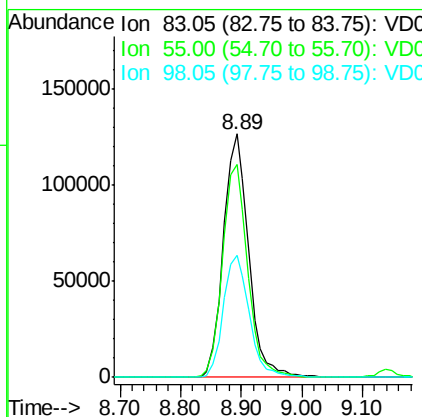
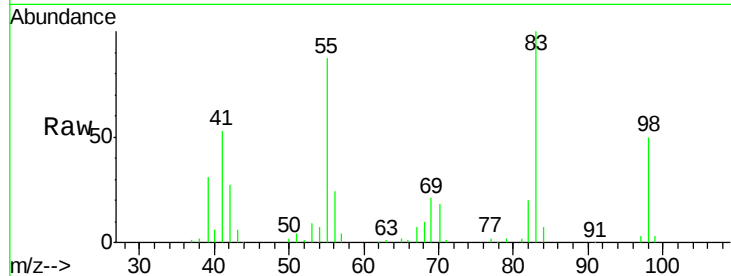




#39
Methvlcvclohexane
Concen: 52.487 ug/l
RT: 8.89 min Scan# 759
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

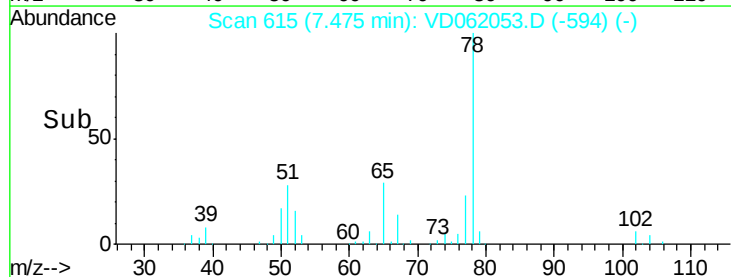
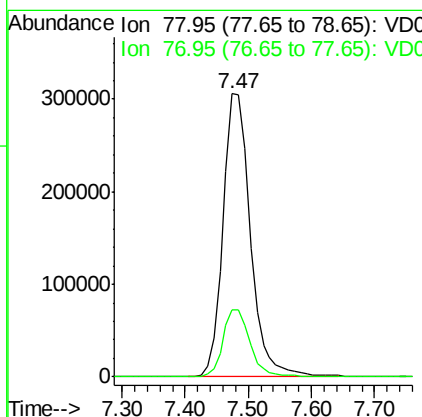
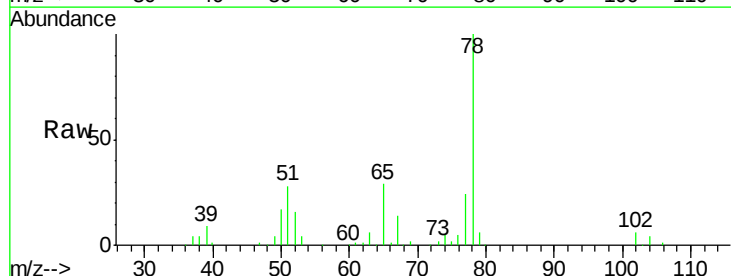
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

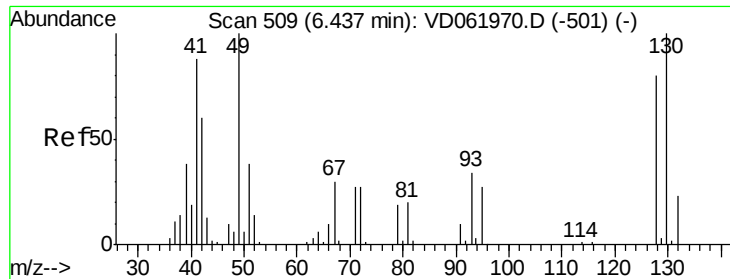
Tot Ion: 83 Resp: 366782
Ion Ratio Lower Upper
83 100
55 87.3 68.2 102.4
98 50.2 38.2 57.4



#40
Benzene
Concen: 52.687 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion: 78 Resp: 923834
Ion Ratio Lower Upper
78 100
77 23.6 19.7 29.5

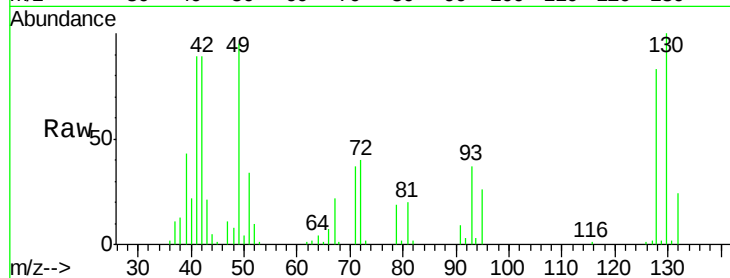




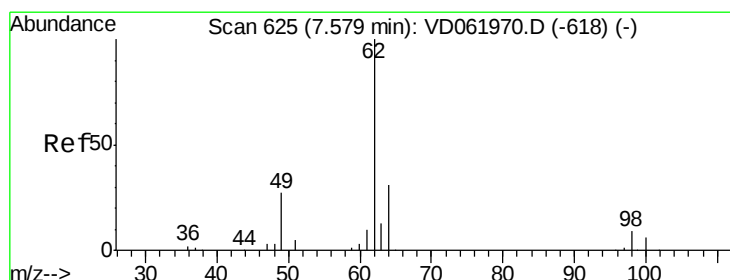
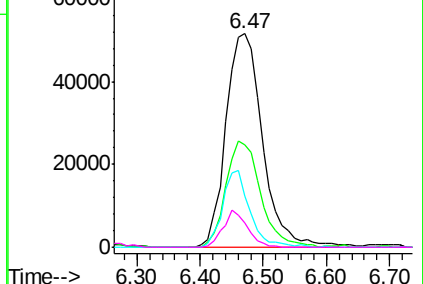
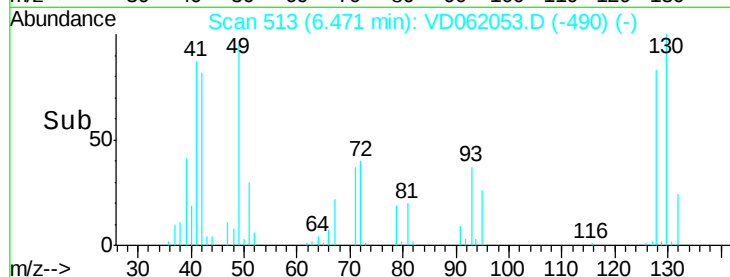
#41
Methacrylonitrile
Concen: 58.775 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	206980
Ion	Ratio	Lower	Upper
41	100		
39	48.0	34.1	51.1
67	24.2	23.8	35.6
52	11.3	8.8	13.2

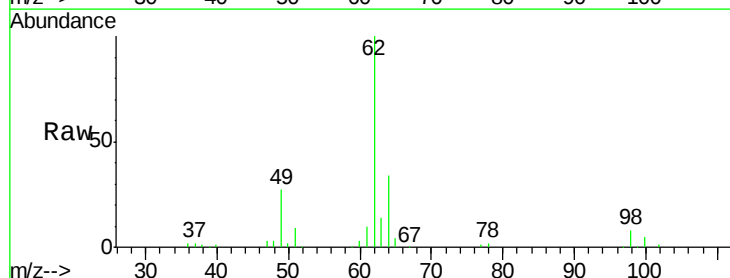


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

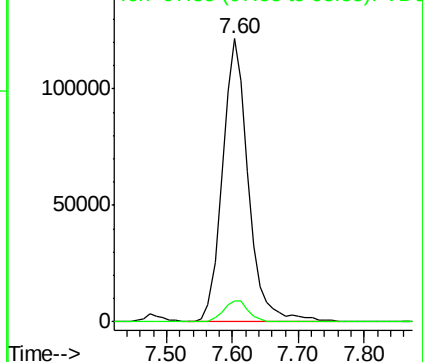
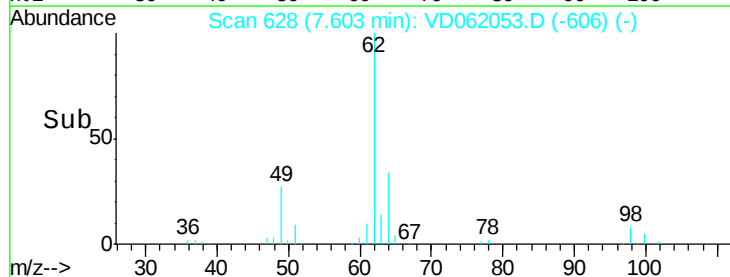


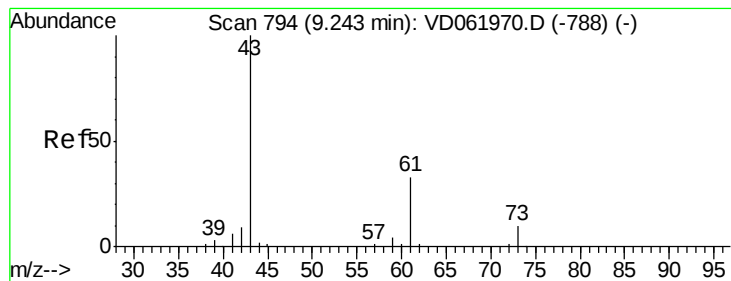
#42
1,2-Dichloroethane
Concen: 56.071 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion:	62	Resp:	333823
Ion	Ratio	Lower	Upper
62	100		
98	7.6	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: 53.489 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

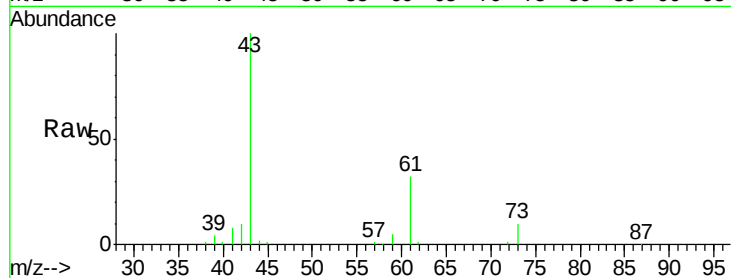
Tot Ion: 43 Resp: 235887

Ion Ratio Lower Upper

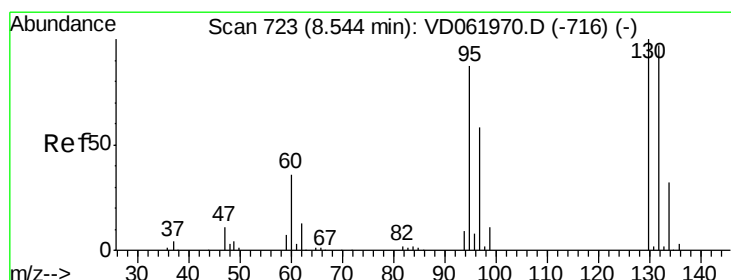
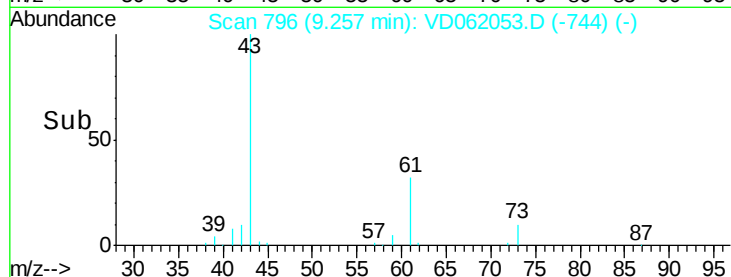
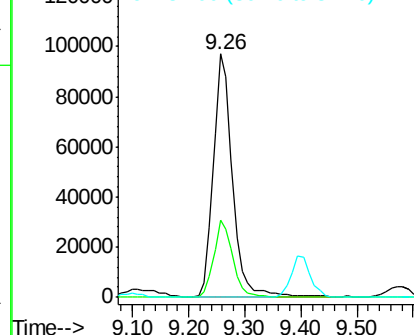
43 100

61 31.7 25.1 37.7

87 0.3 0.0 0.0#



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



#44

Trichloroethene

Concen: 52.960 ug/l

RT: 8.57 min Scan# 726

Delta R.T. 0.02 min

Lab File: VD062053.D

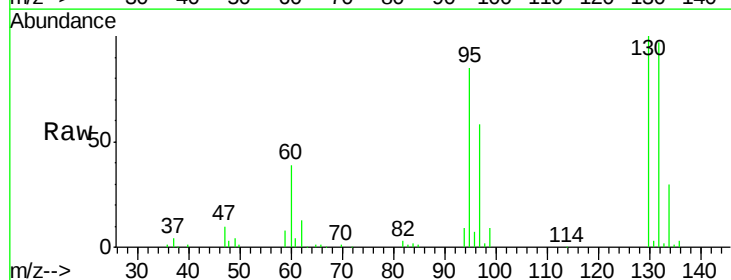
Acq: 26 Apr 2019 10:47

Tgt Ion:130 Resp: 360013

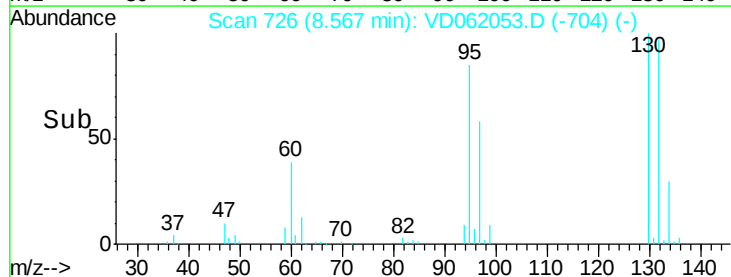
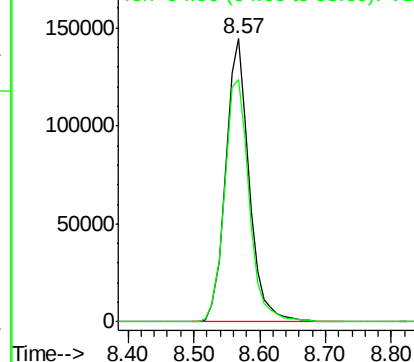
Ion Ratio Lower Upper

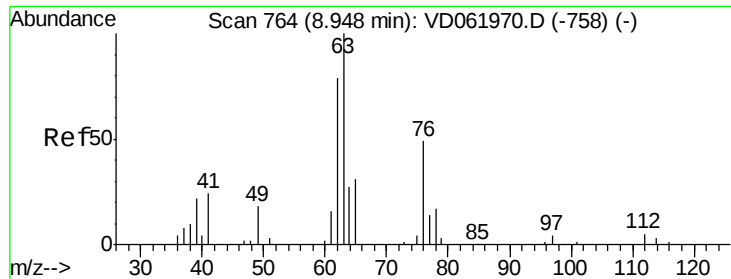
130 100

95 85.4 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 53.157 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

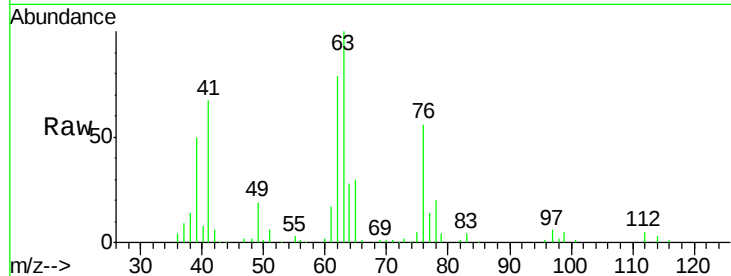
VSTDCCC050

Tot Ion: 63 Resp: 236458

Ion Ratio Lower Upper

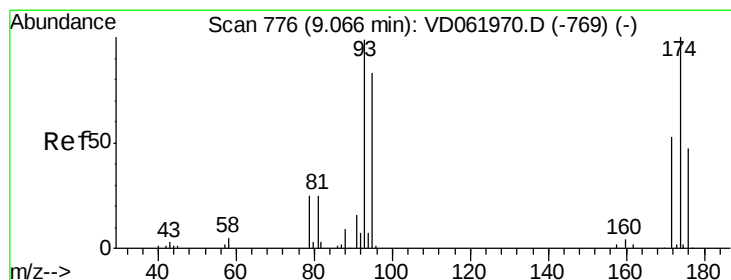
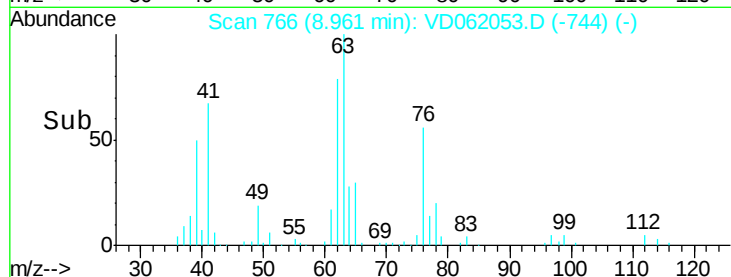
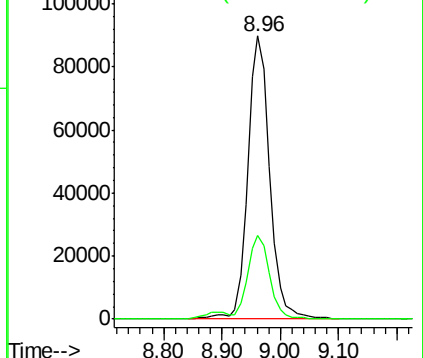
63 100

65 29.8 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: 56.419 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

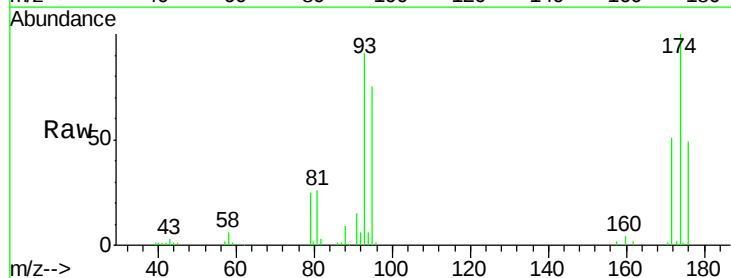
Tgt Ion: 93 Resp: 180588

Ion Ratio Lower Upper

93 100

95 82.9 64.8 97.2

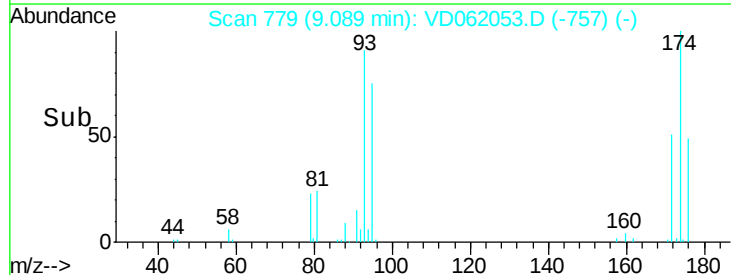
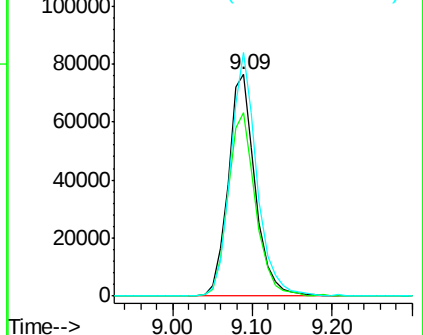
174 109.9 79.3 118.9

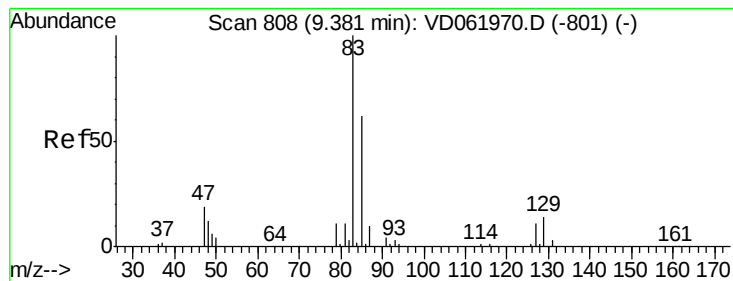


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.640 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

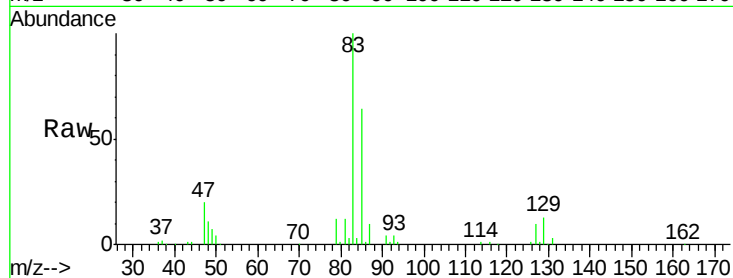
Tot Ion: 83 Resp: 398116

Ion Ratio Lower Upper

83 100

85 64.5 50.9 76.3

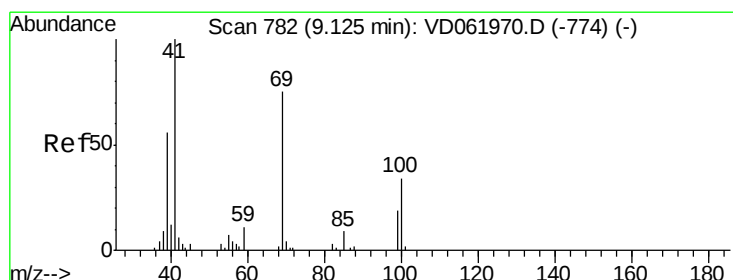
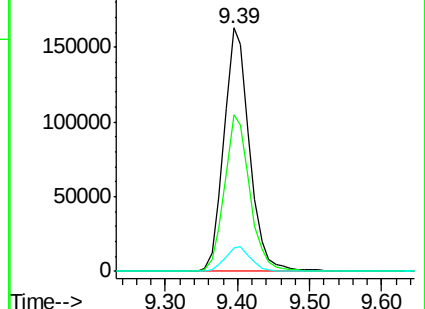
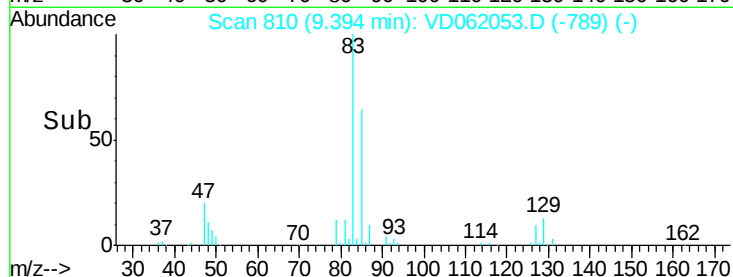
127 9.7 8.1 12.1



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): VDC



#48

Methyl methacrylate

Concen: 55.201 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

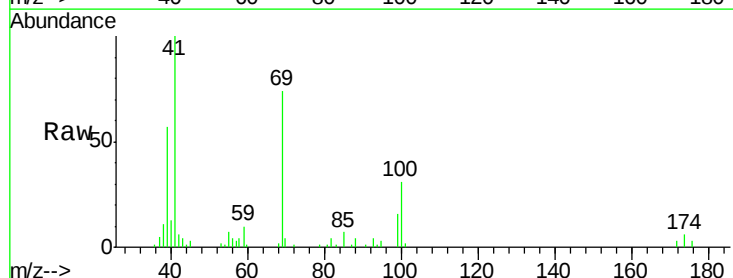
Tgt Ion: 41 Resp: 138894

Ion Ratio Lower Upper

41 100

69 74.4 64.2 96.2

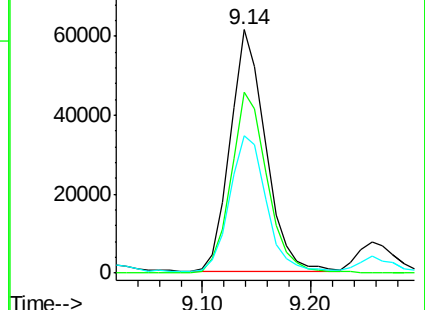
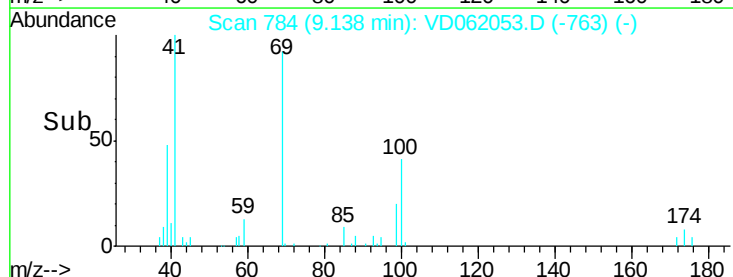
39 56.6 46.8 70.2



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

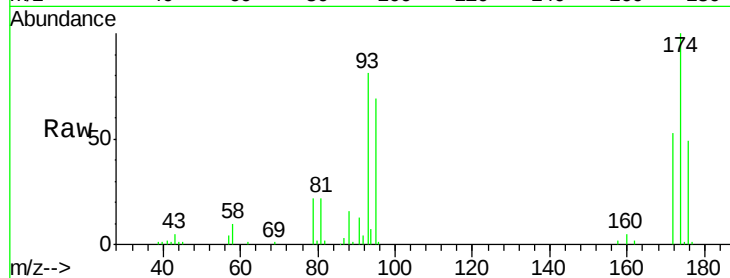




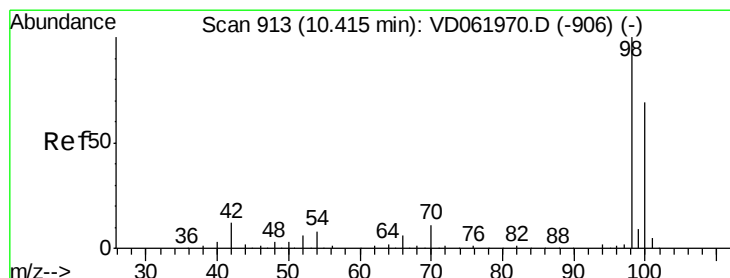
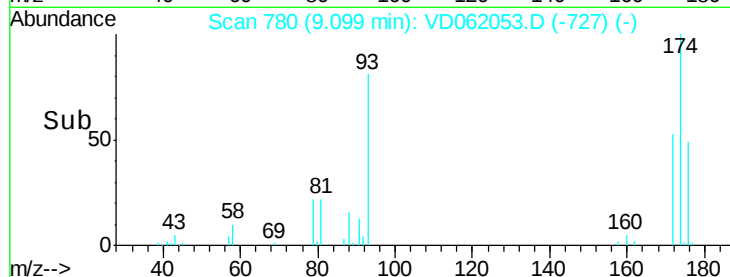
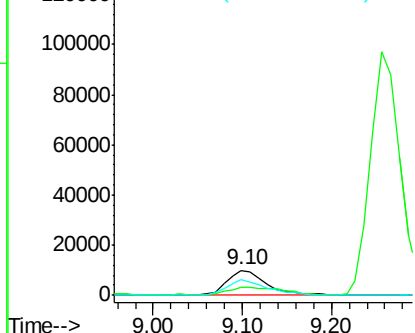
#49
1,4-Dioxane
Concen: 1128.573 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 30615
Ion Ratio Lower Upper
88 100
43 34.2 23.4 35.0
58 61.0 44.0 66.0

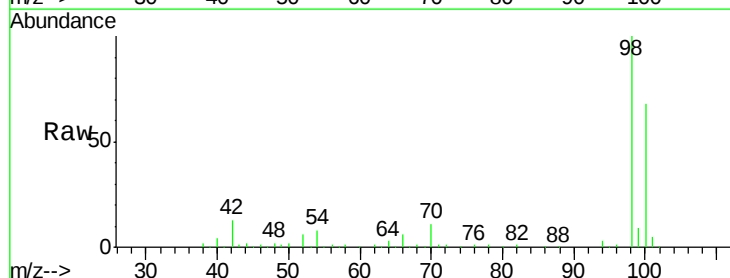


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

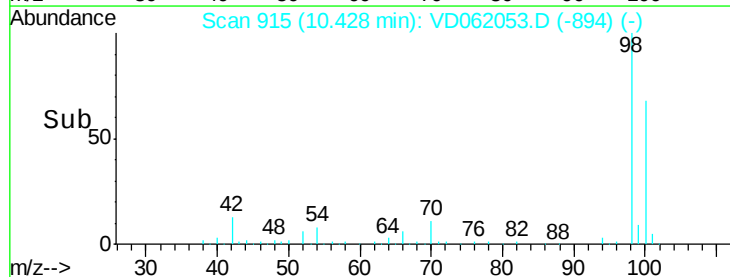
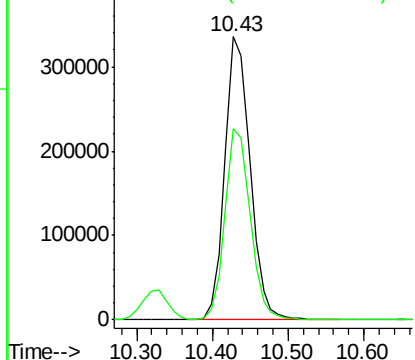


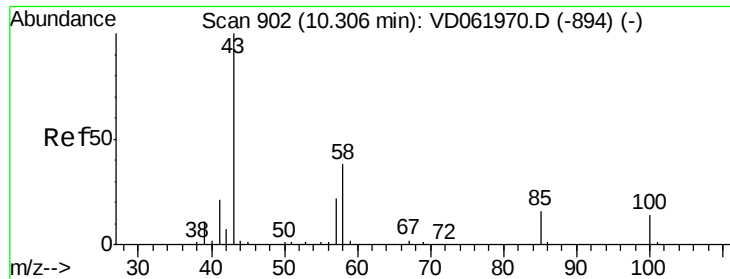
#50
Toluene-d8
Concen: 52.063 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion: 98 Resp: 778883
Ion Ratio Lower Upper
98 100
100 67.6 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: 260.505 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

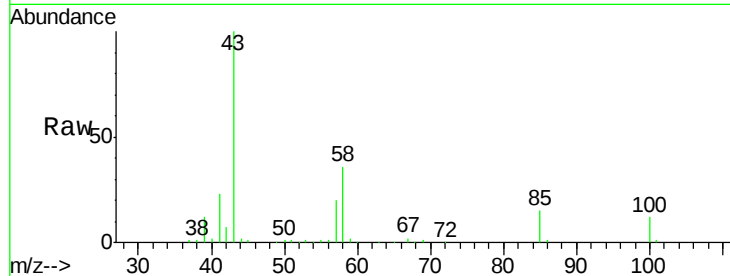
VSTDCCC050

Tot Ion: 43 Resp: 702576

Ion Ratio Lower Upper

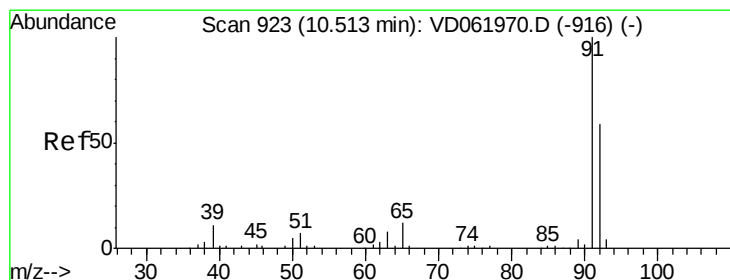
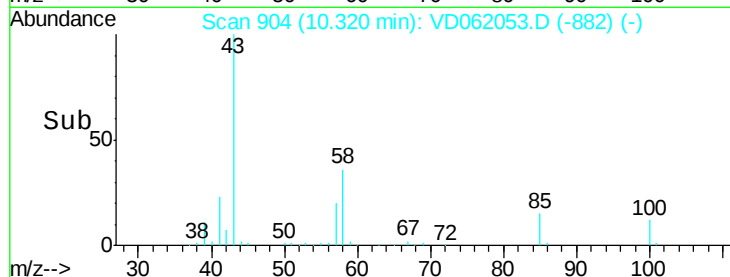
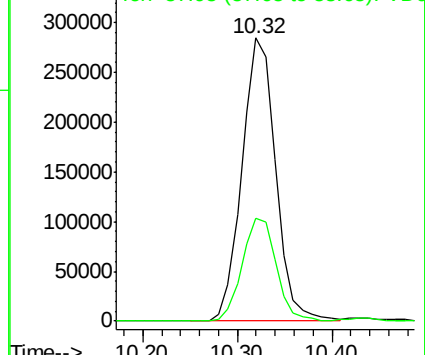
43 100

58 36.3 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: 51.379 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.02 min

Lab File: VD062053.D

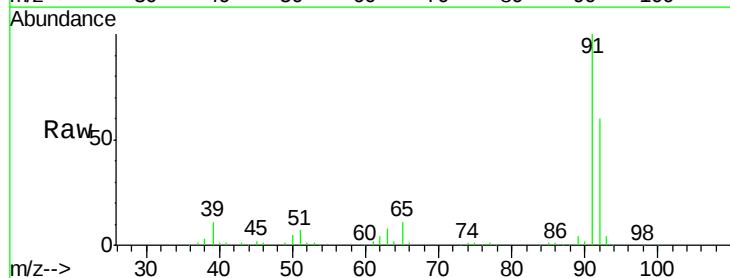
Acq: 26 Apr 2019 10:47

Tgt Ion: 92 Resp: 574425

Ion Ratio Lower Upper

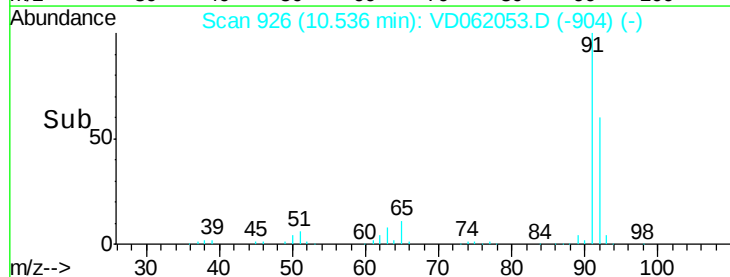
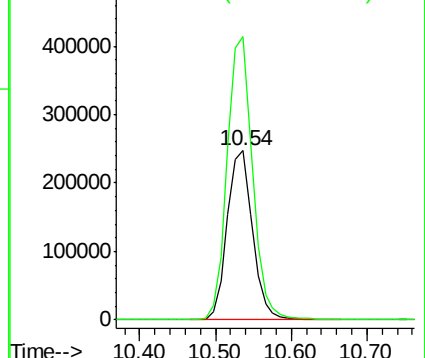
92 100

91 167.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

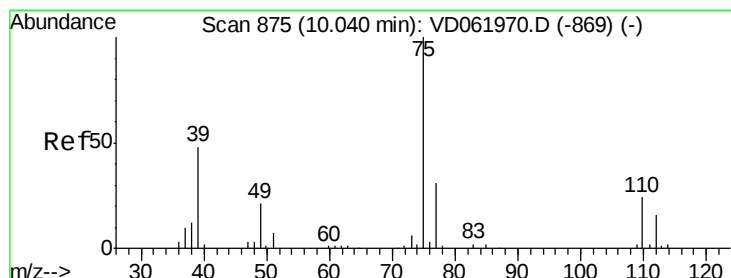
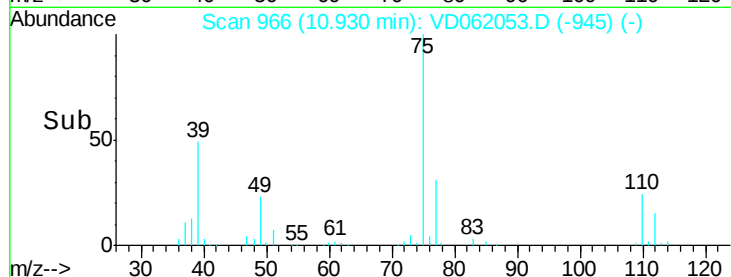
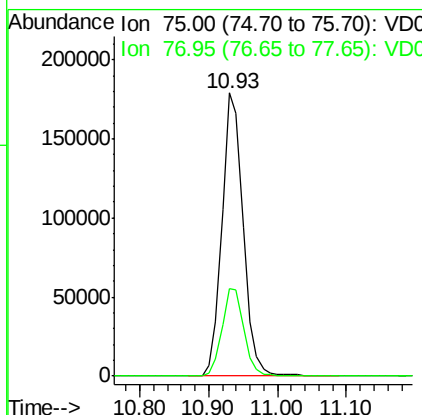
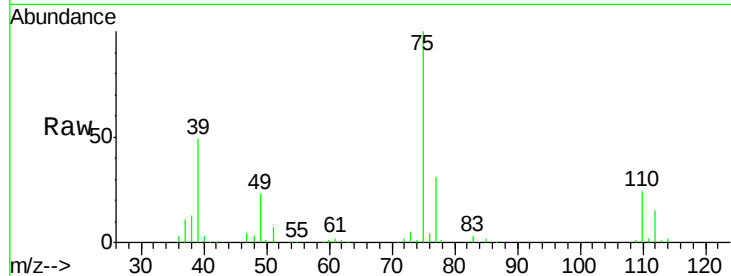




#53
 t-1,3-Dichloropropene
 Concen: 60.052 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

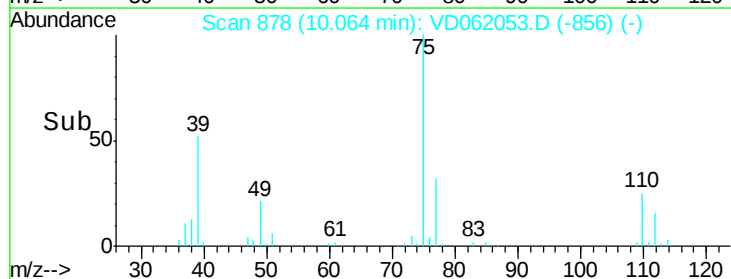
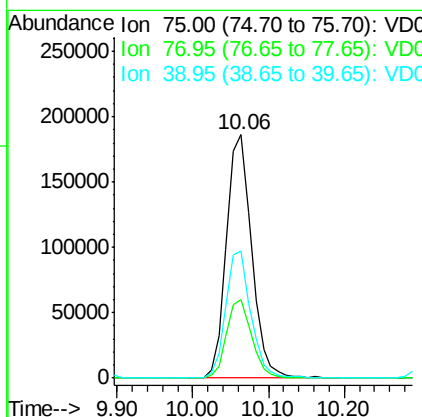
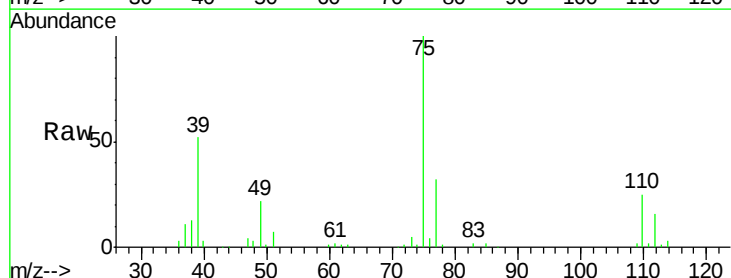
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

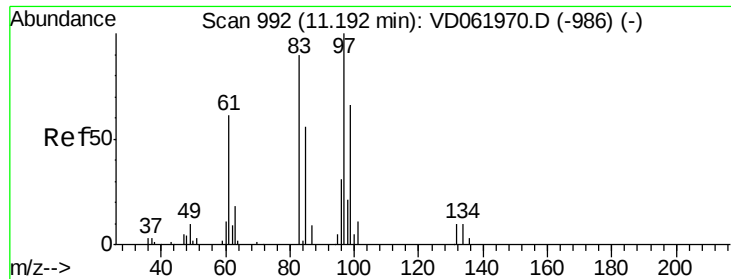
Tot Ion: 75 Resp: 381224
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.584 ug/l
 RT: 10.06 min Scan# 878
 Delta R.T. 0.02 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion: 75 Resp: 429168
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3
 39 52.0 39.4 59.2

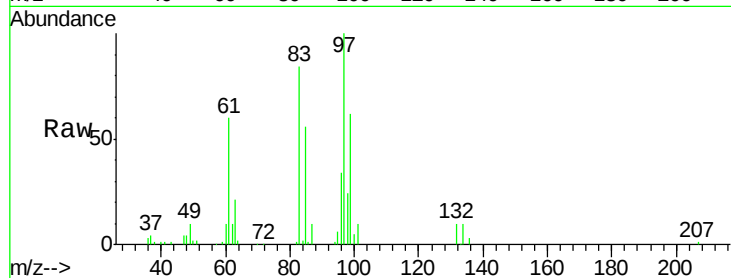




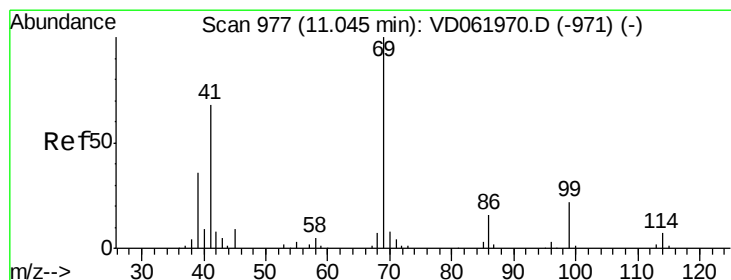
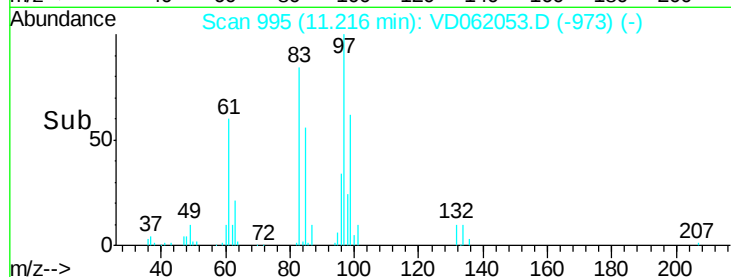
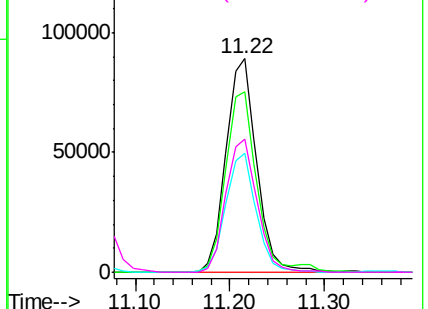
#55
 1,1,2-Trichloroethane
 Concen: 53.206 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	199705
Ion	Ratio	Lower	Upper
97	100		
83	84.4	65.7	98.5
85	55.7	45.6	68.4
99	62.4	48.4	72.6

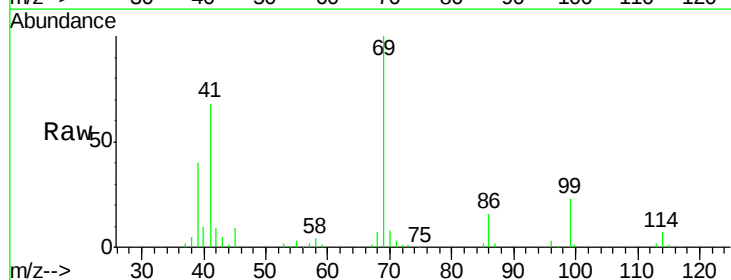


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

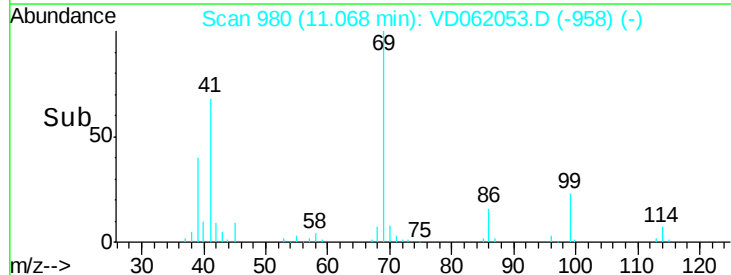
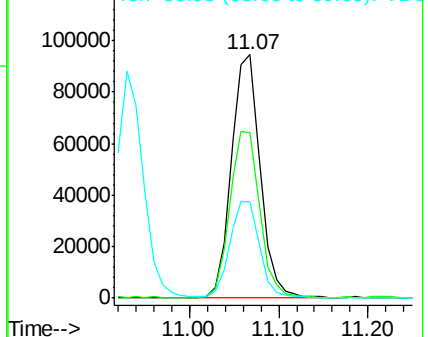


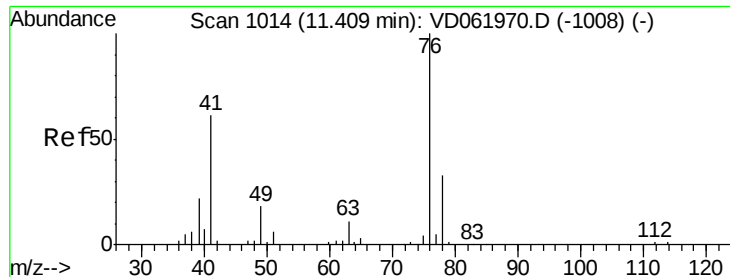
#56
 Ethyl methacrylate
 Concen: 51.627 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. 0.02 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion:	69	Resp:	214616
Ion	Ratio	Lower	Upper
69	100		
41	68.0	56.3	84.5
39	39.6	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: 53.607 ug/l

RT: 11.43 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

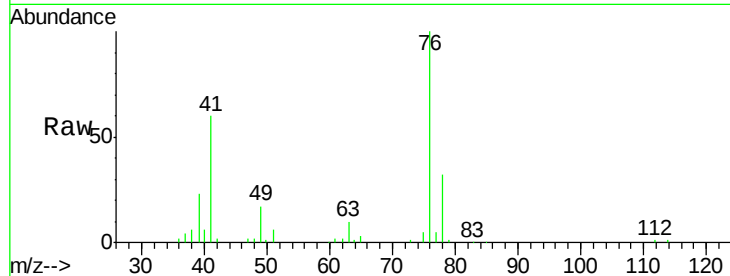
VSTDCCC050

Tot Ion: 76 Resp: 310765

Ion Ratio Lower Upper

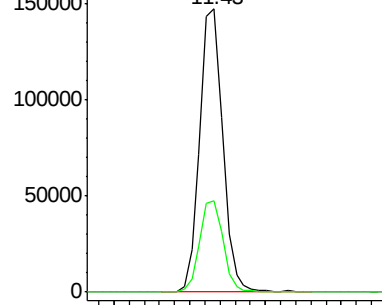
76 100

78 32.2 26.2 39.2

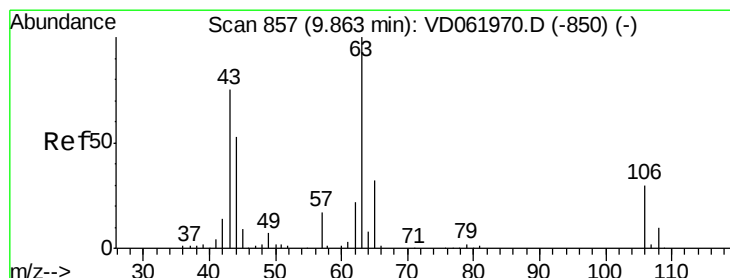
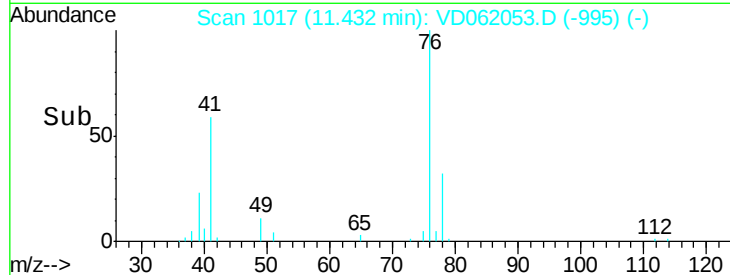


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.767 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.01 min

Lab File: VD062053.D

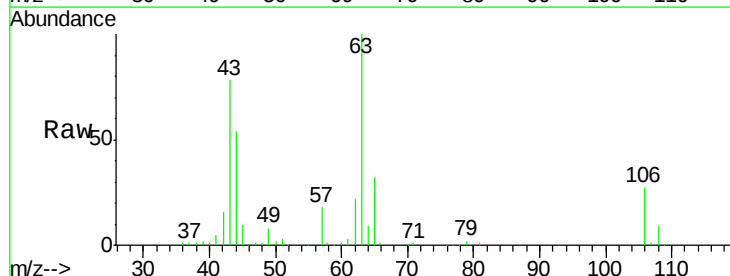
Acq: 26 Apr 2019 10:47

Tgt Ion: 63 Resp: 500130

Ion Ratio Lower Upper

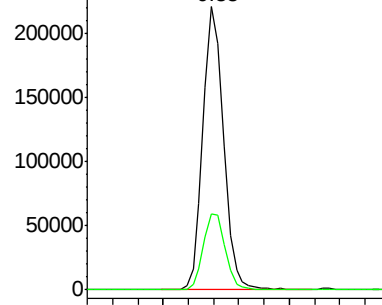
63 100

106 26.8 22.6 34.0

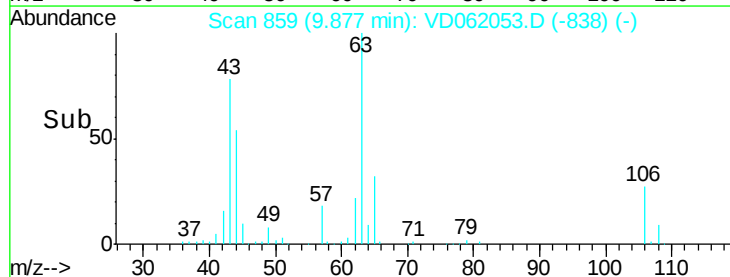


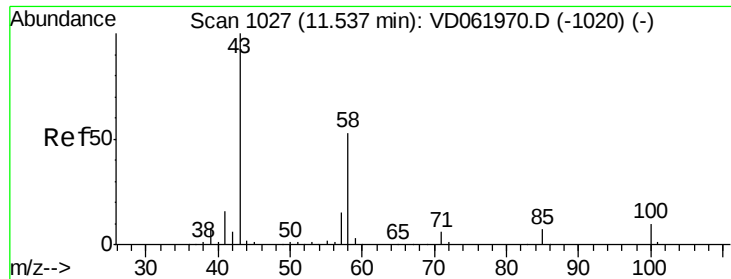
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



Time-->

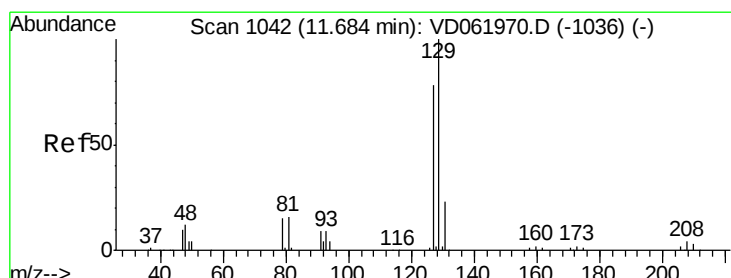
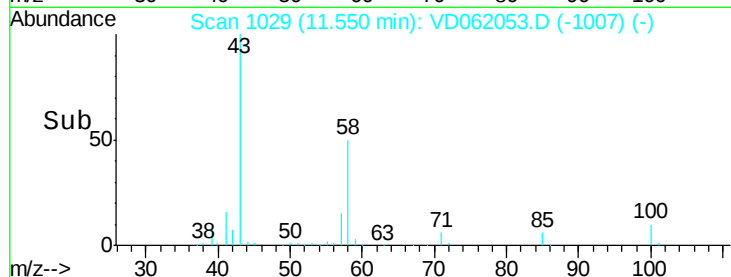
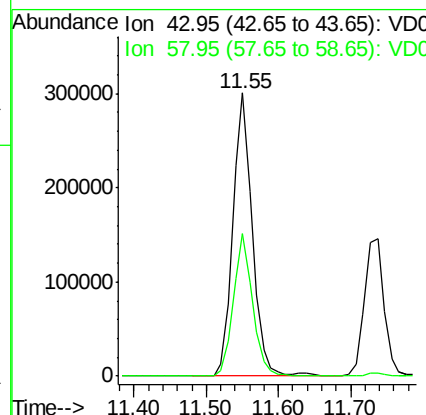
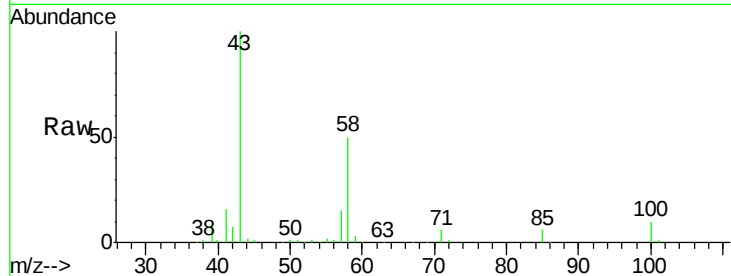




#59
2-Hexanone
Concen: 278.538 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

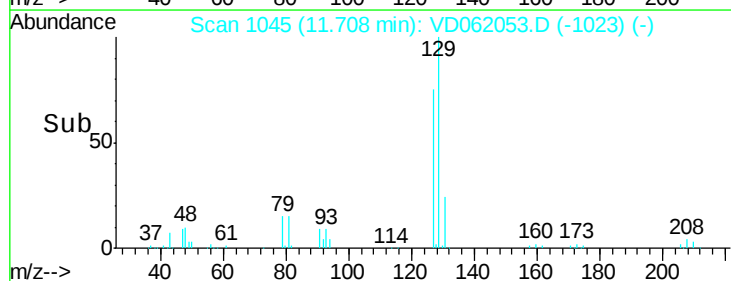
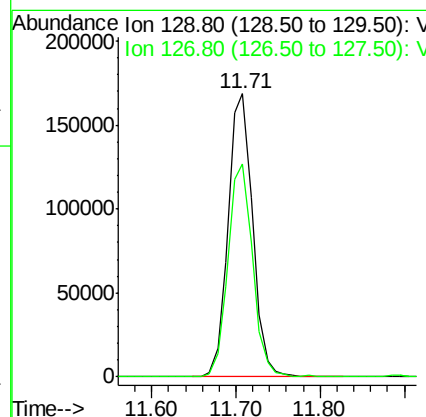
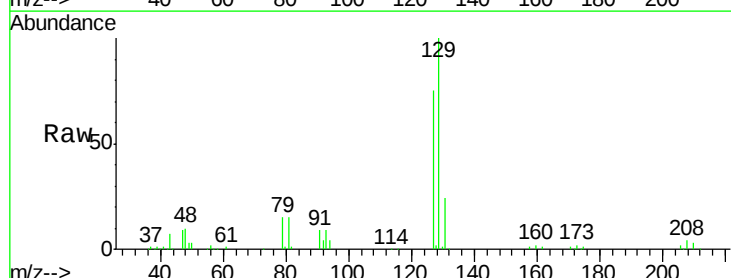
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

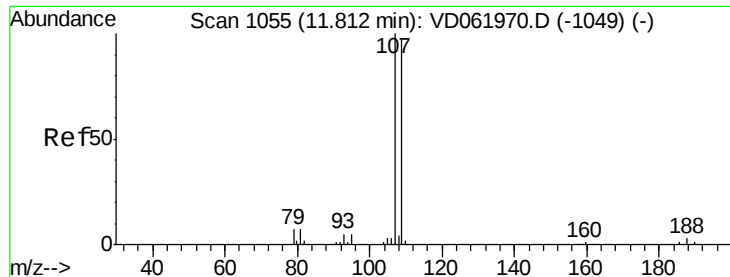
Tot Ion: 43 Resp: 563516
Ion Ratio Lower Upper
43 100
58 50.4 25.4 76.4



#60
Dibromochloromethane
Concen: 54.781 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion:129 Resp: 340219
Ion Ratio Lower Upper
129 100
127 75.2 38.0 113.9

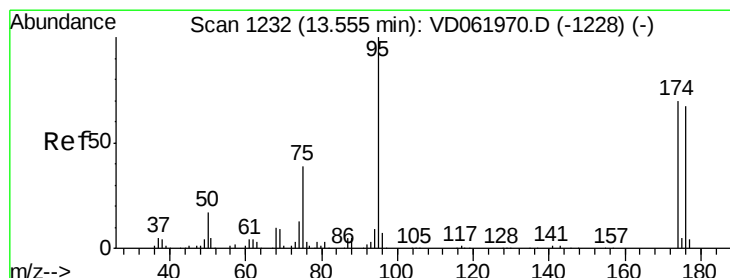
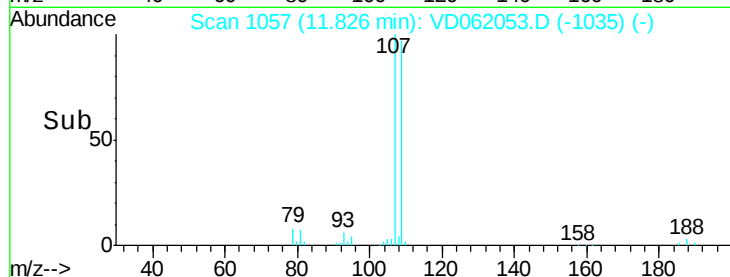
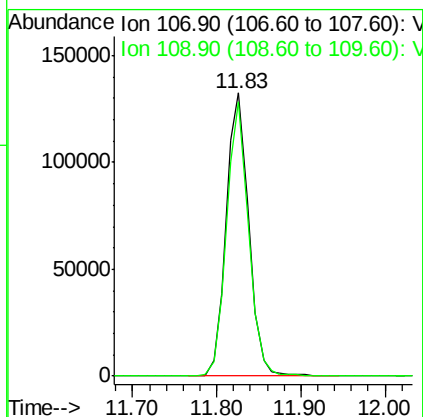
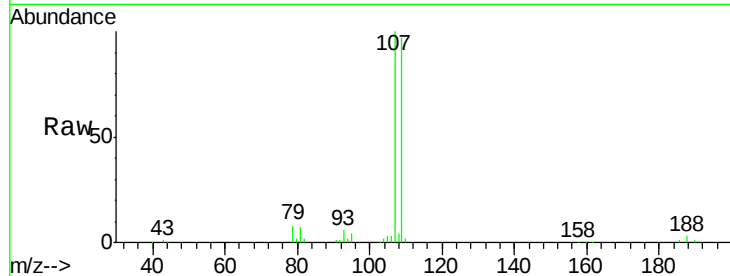




#61
 1,2-Dibromoethane
 Concen: 55.127 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

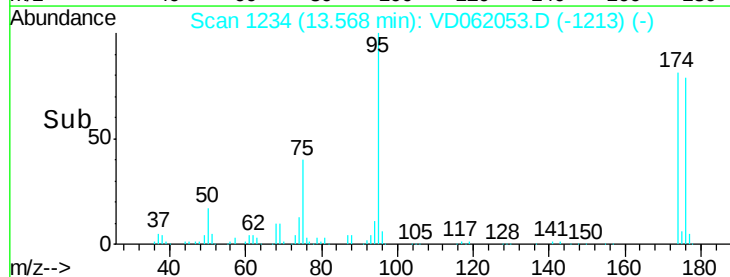
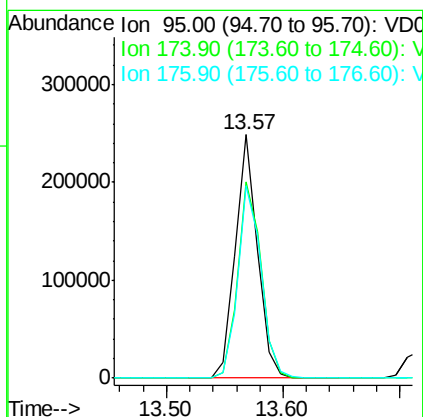
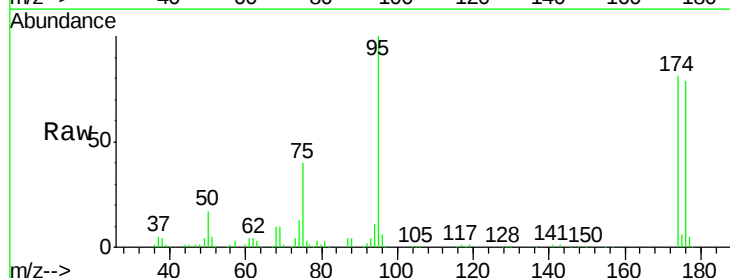
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

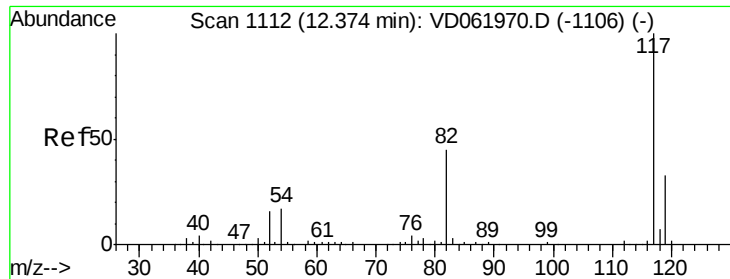
Tot Ion:107 Resp: 245454
 Ion Ratio Lower Upper
 107 100
 109 97.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 54.496 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion: 95 Resp: 327001
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 181.8
 176 79.2 0.0 174.4

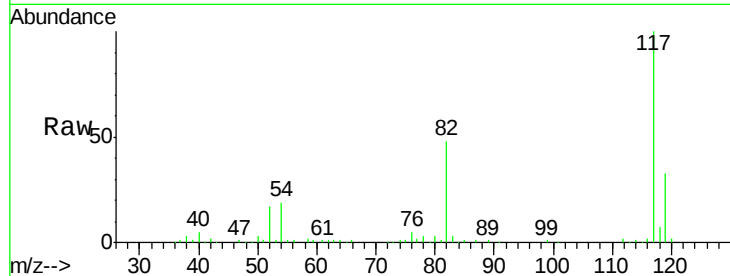




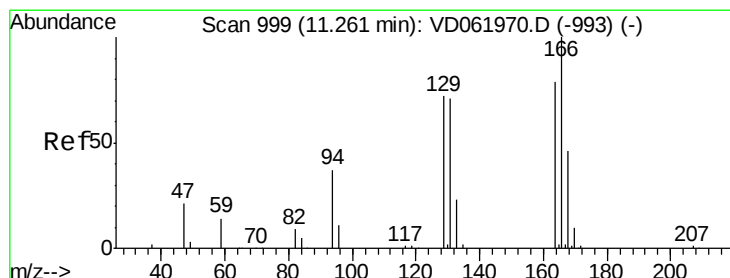
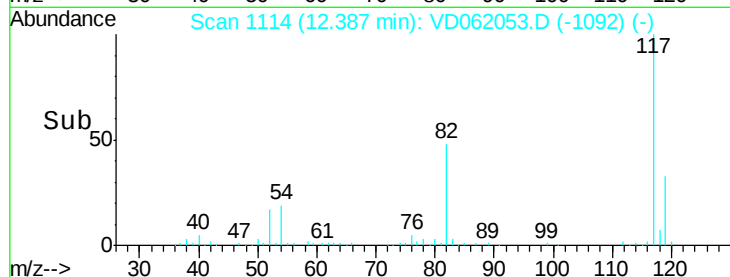
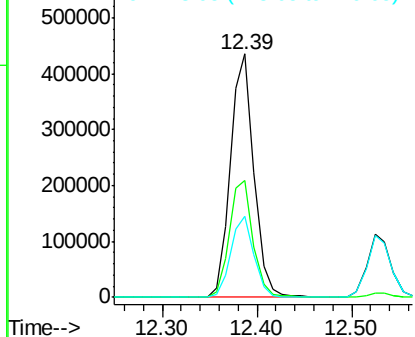
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 742712
Ion Ratio Lower Upper
117 100
82 47.9 36.2 54.2
119 33.3 26.2 39.4

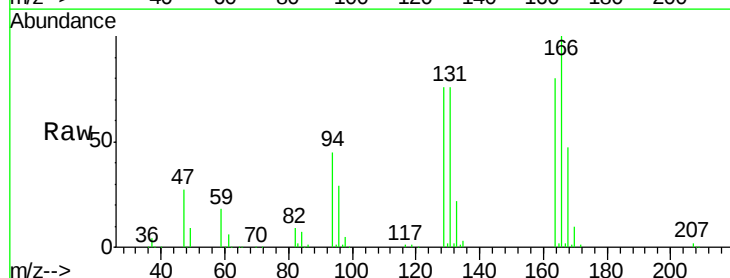


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

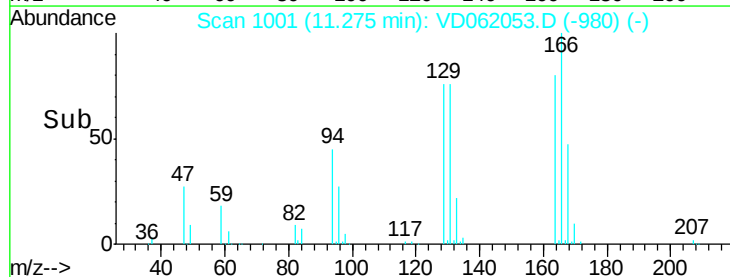
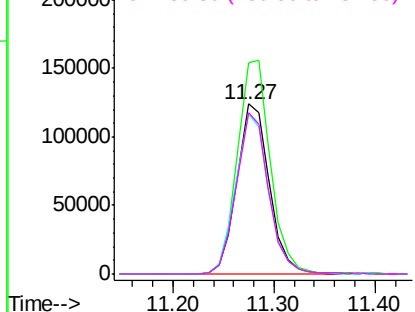


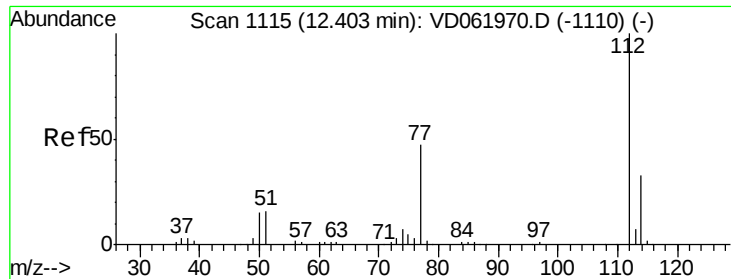
#64
Tetrachloroethene
Concen: 52.517 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion:164 Resp: 278246
Ion Ratio Lower Upper
164 100
166 124.5 101.5 152.3
129 94.2 74.6 112.0
131 95.2 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

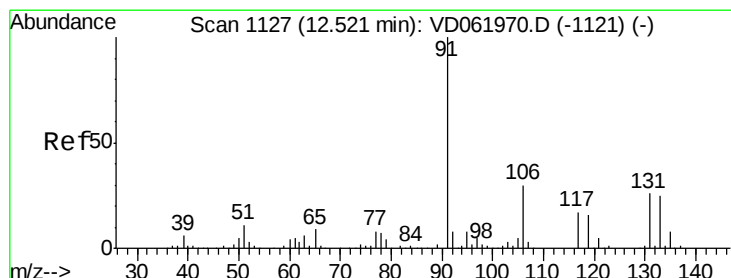
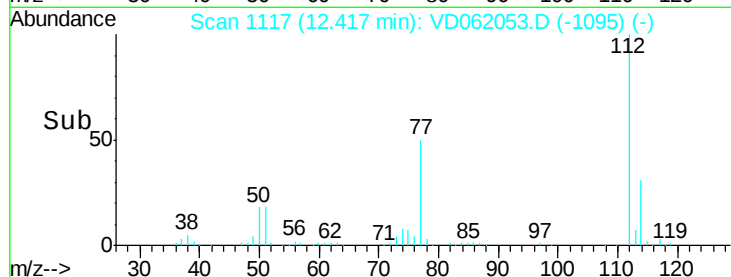
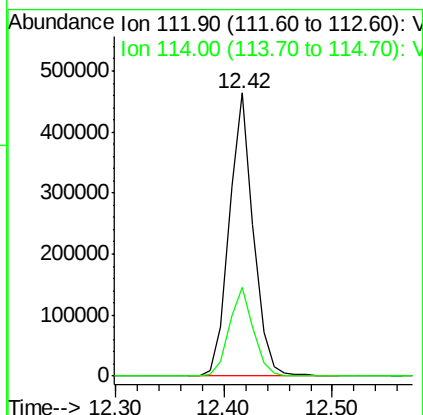
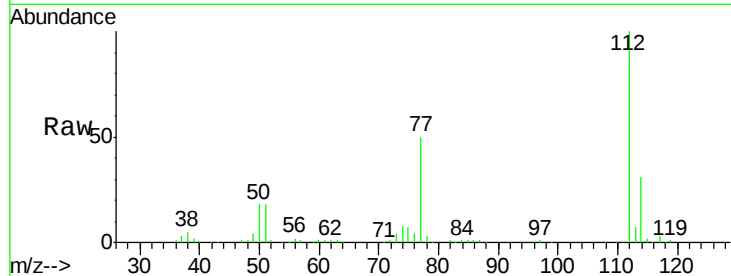




#65
Chlorobenzene
Concen: 50.929 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

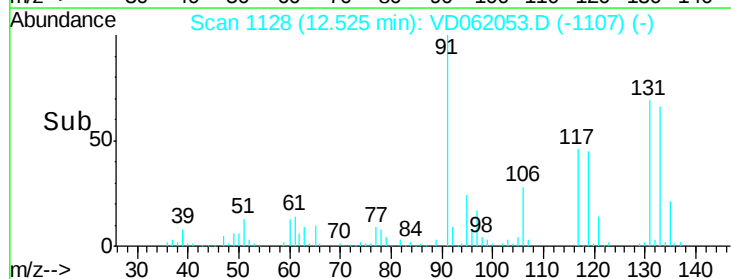
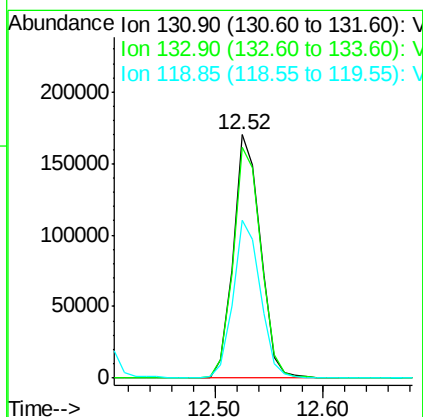
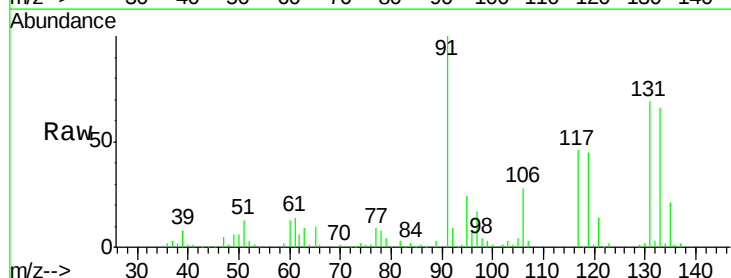
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 714765
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.843 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion:131 Resp: 296722
Ion Ratio Lower Upper
131 100
133 95.0 48.6 145.8
119 64.8 34.7 104.1

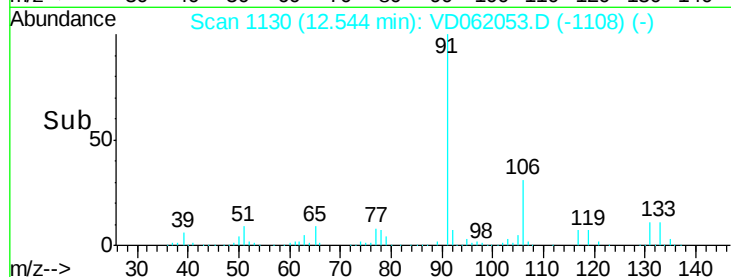
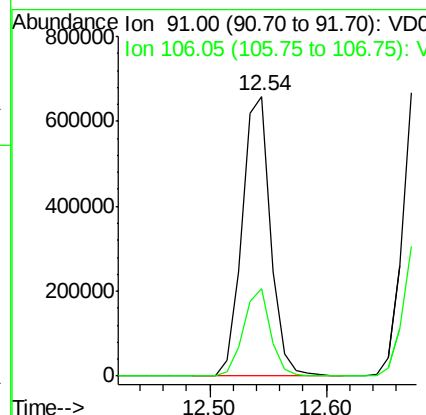
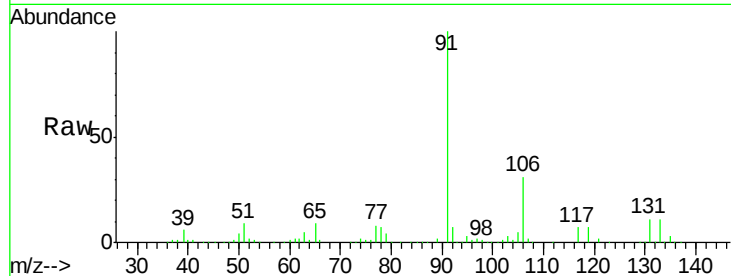




#67
Ethyl Benzene
Concen: 48.807 ug/l
RT: 12.54 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

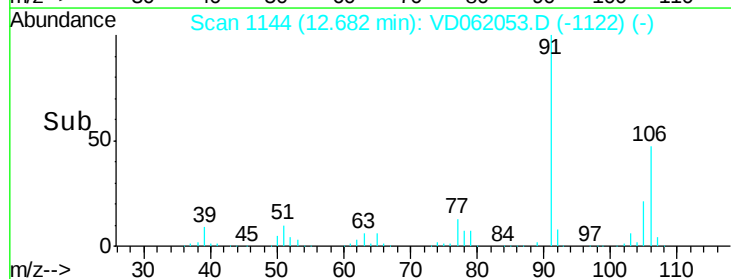
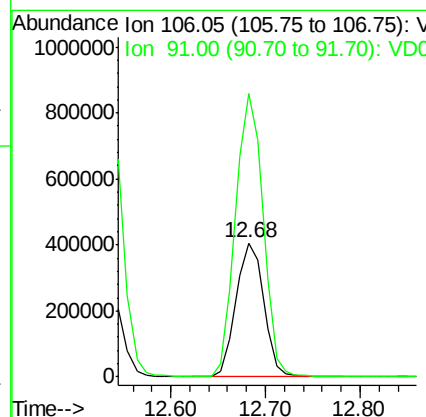
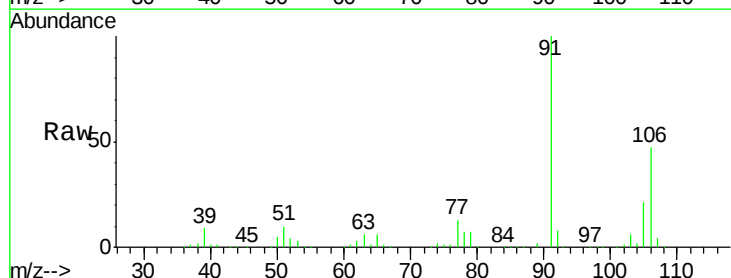
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1118019
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1



#68
m/p-Xylenes
Concen: 99.273 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion:106 Resp: 821907
Ion Ratio Lower Upper
106 100
91 211.6 164.0 246.0

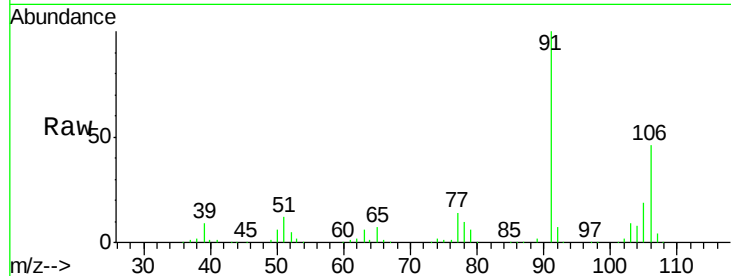




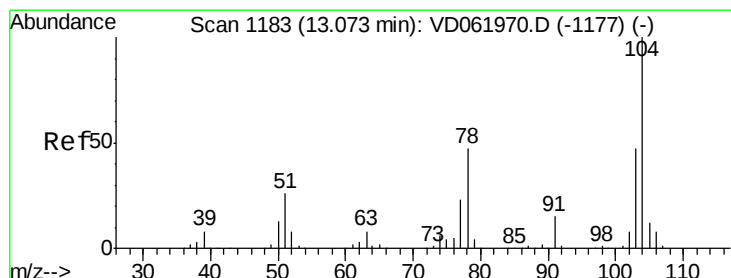
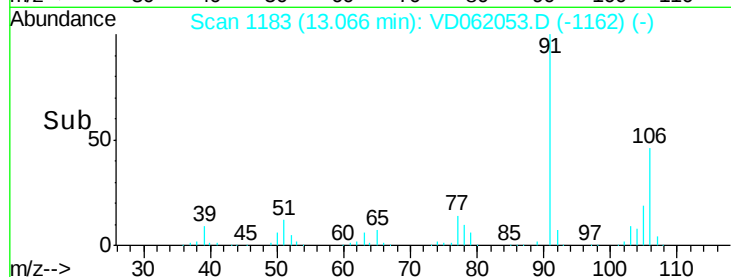
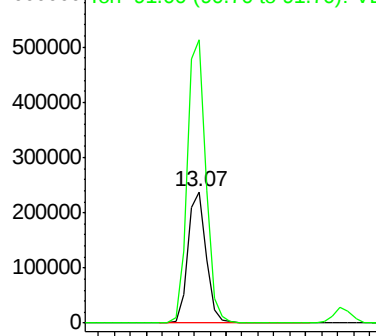
#69
o-Xylene
Concen: 50.977 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 386160
Ion Ratio Lower Upper
106 100
91 215.4 106.7 319.9

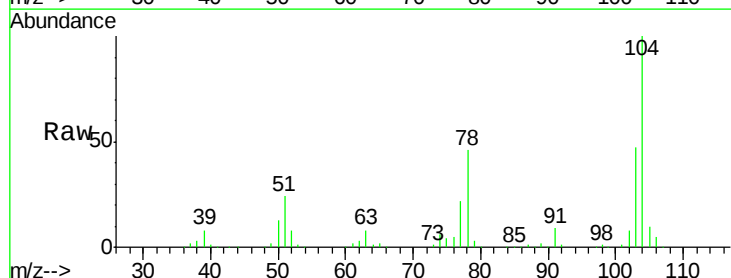


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

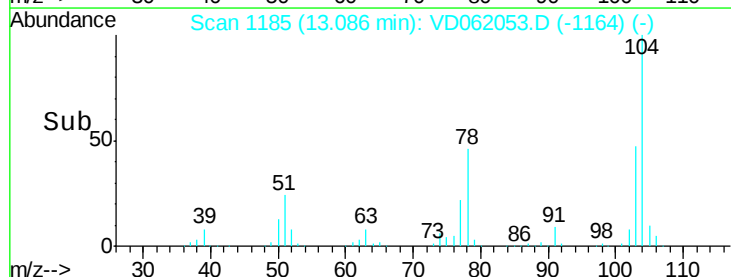
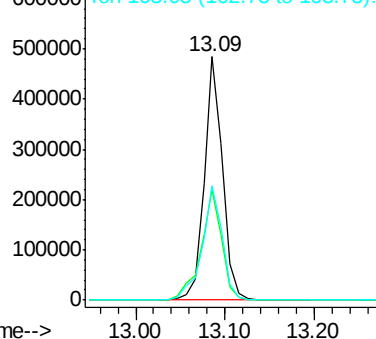


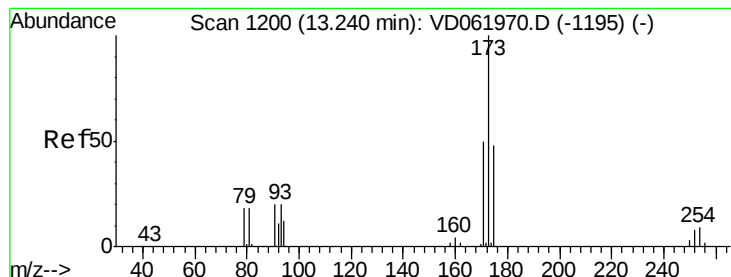
#70
Styrene
Concen: 53.093 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion:104 Resp: 694459
Ion Ratio Lower Upper
104 100
78 45.5 35.4 53.2
103 46.9 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: 54.928 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

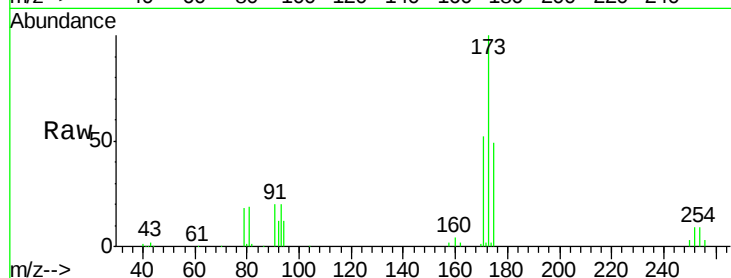
Tot Ion:173 Resp: 186424

Ion Ratio Lower Upper

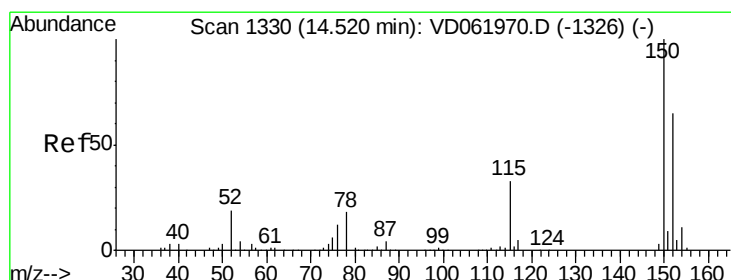
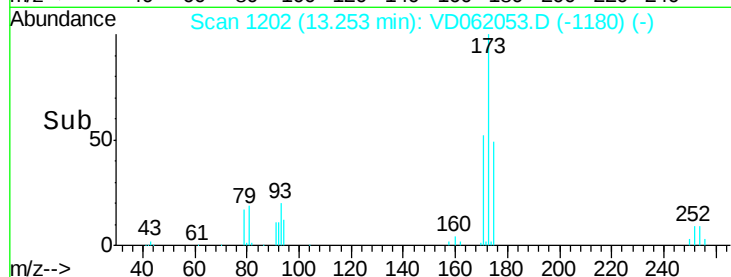
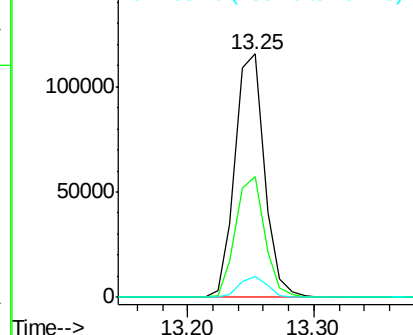
173 100

175 49.5 24.4 73.4

254 8.6 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: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

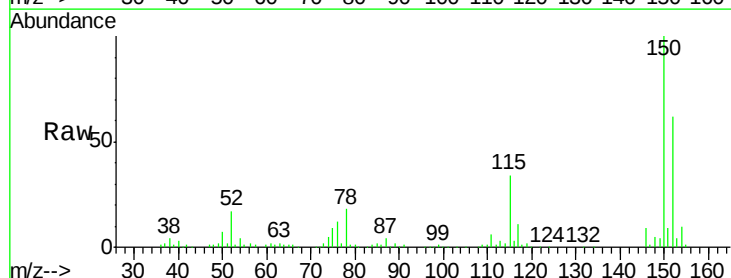
Tgt Ion:152 Resp: 351650

Ion Ratio Lower Upper

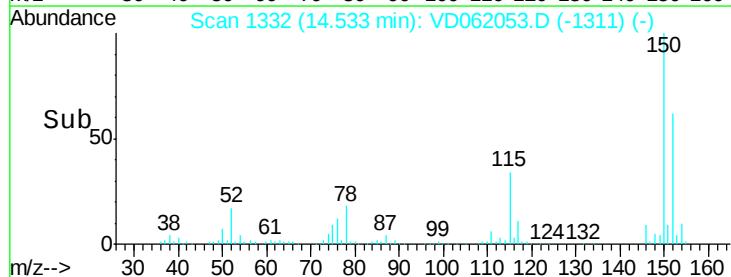
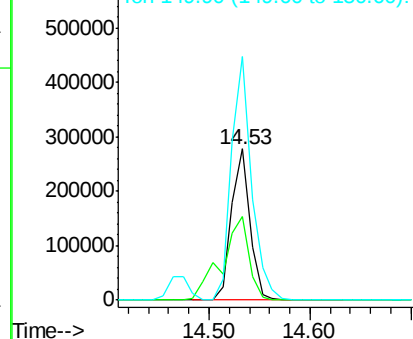
152 100

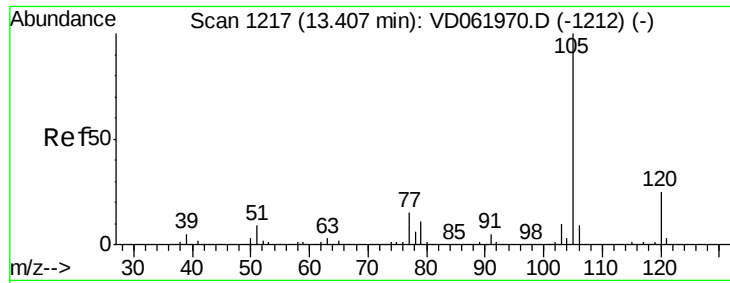
115 55.4 30.9 92.7

150 160.8 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: 50.178 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

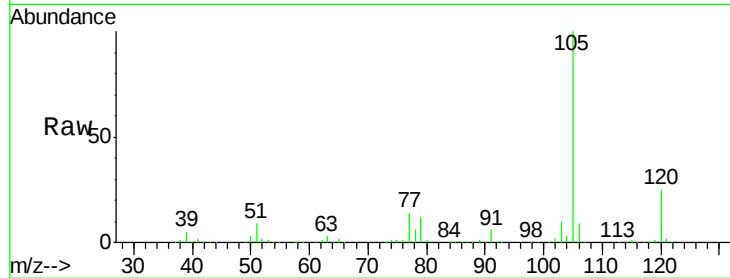
VSTDCCC050

Tot Ion:105 Resp: 1177056

Ion Ratio Lower Upper

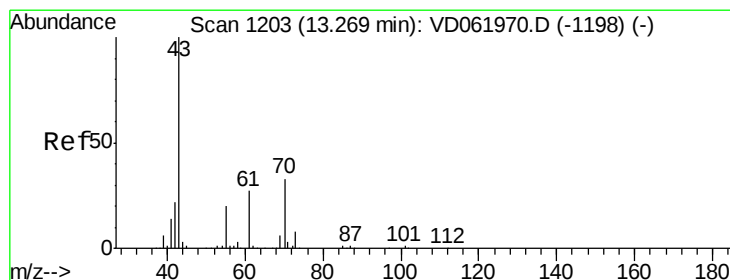
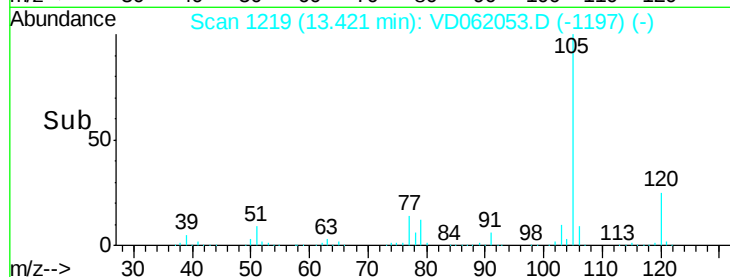
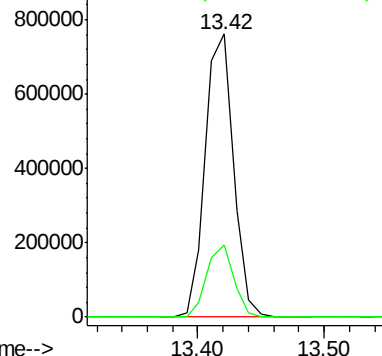
105 100

120 25.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.966 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Tgt Ion: 43 Resp: 295813

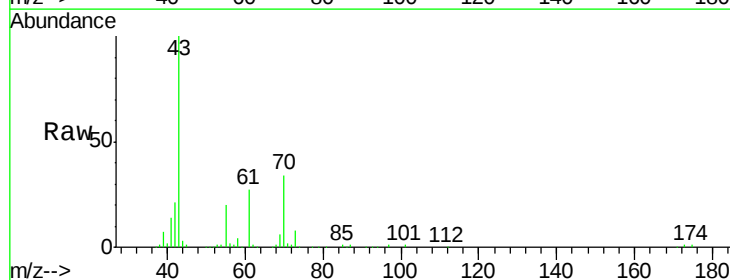
Ion Ratio Lower Upper

43 100

70 34.4 24.2 36.4

55 20.5 16.0 24.0

61 27.0 21.6 32.4

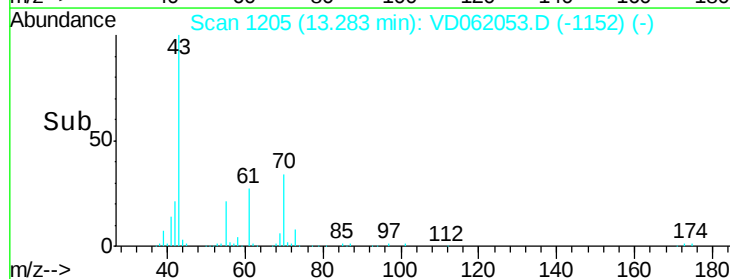
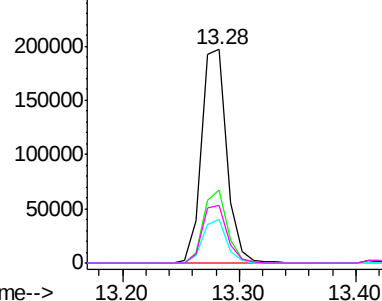


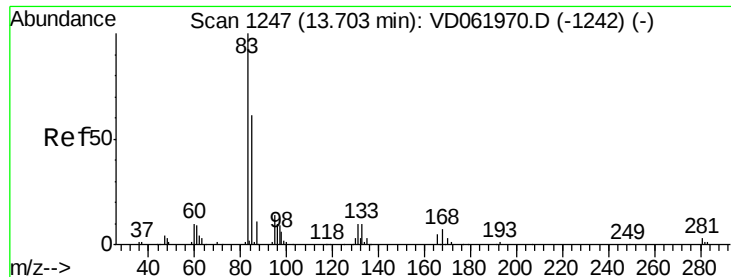
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.883 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

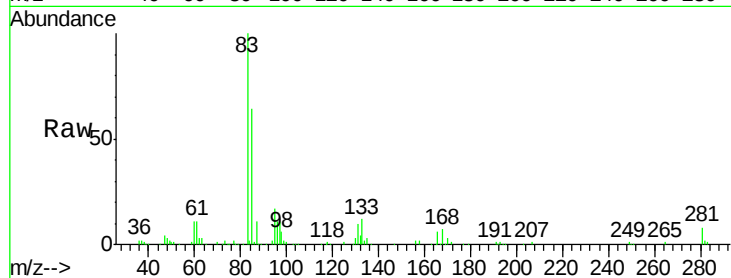
Tot Ion: 83 Resp: 229302

Ion Ratio Lower Upper

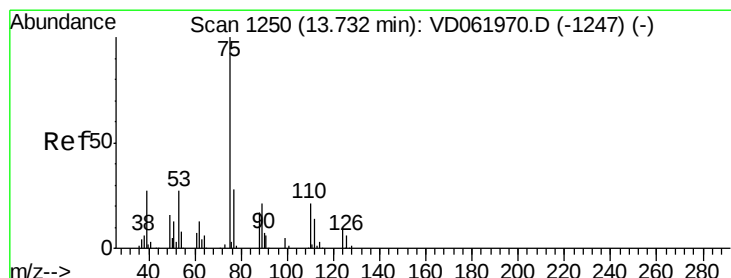
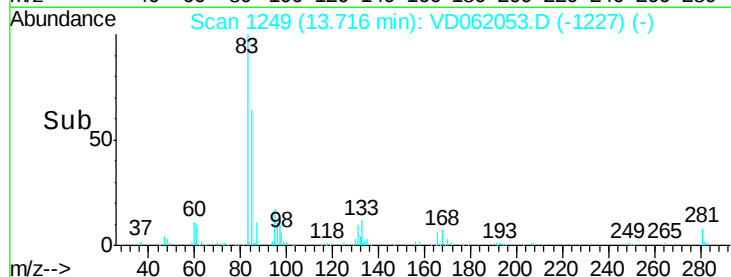
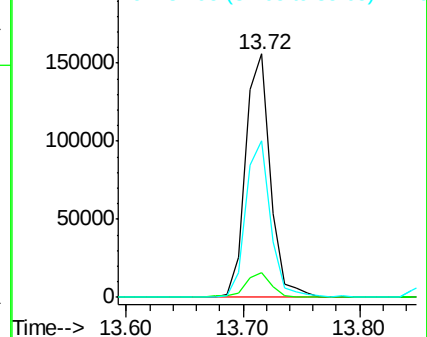
83 100

131 10.4 5.0 14.9

85 64.1 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: 49.972 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD062053.D

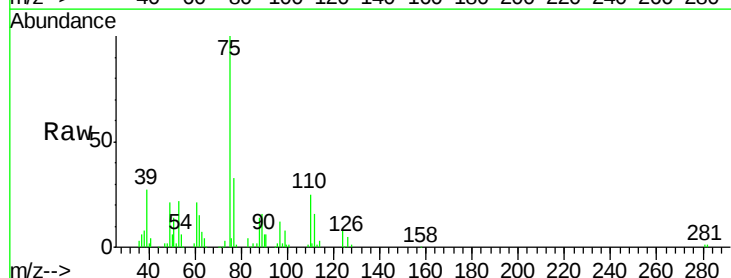
Acq: 26 Apr 2019 10:47

Tgt Ion: 75 Resp: 223147

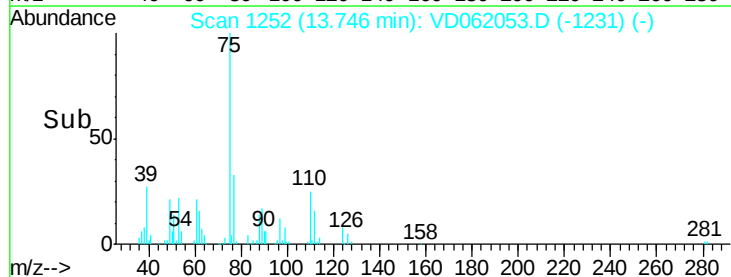
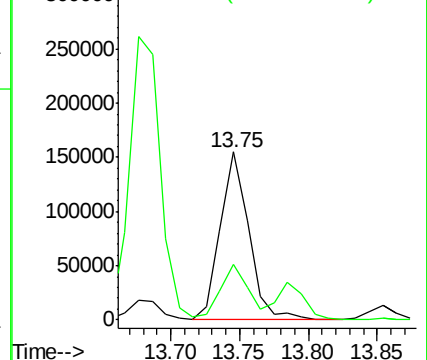
Ion Ratio Lower Upper

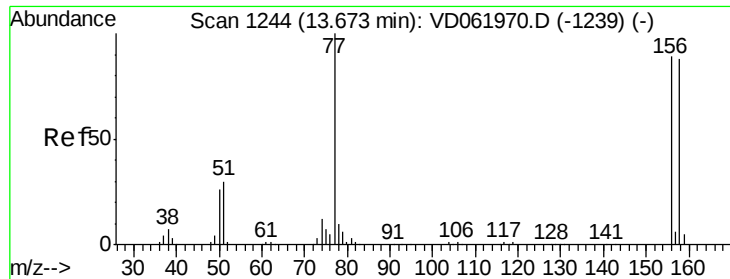
75 100

77 32.9 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: 48.218 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

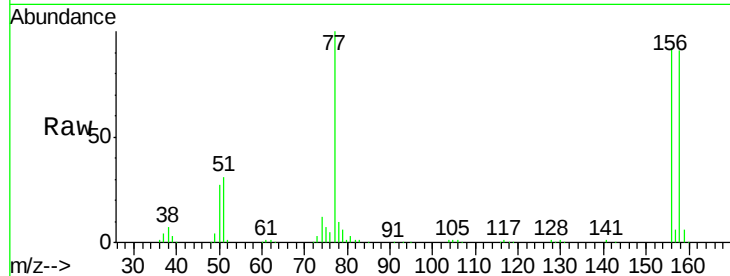
Tot Ion:156 Resp: 324470

Ion Ratio Lower Upper

156 100

77 109.0 53.1 159.4

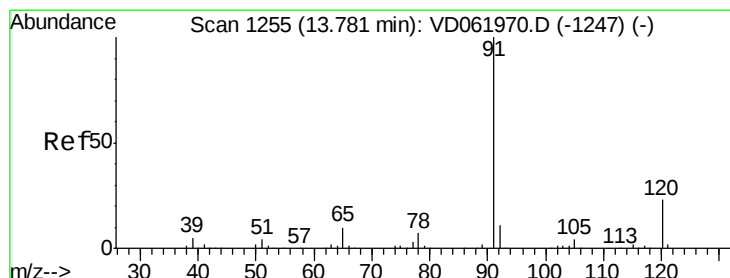
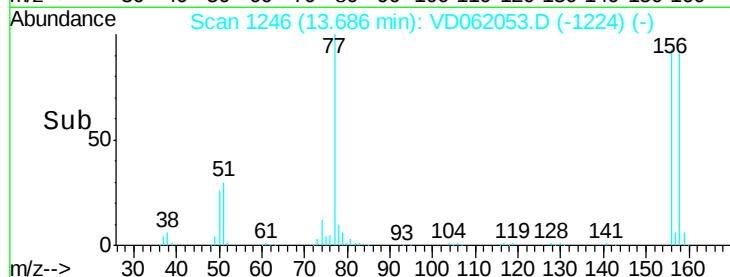
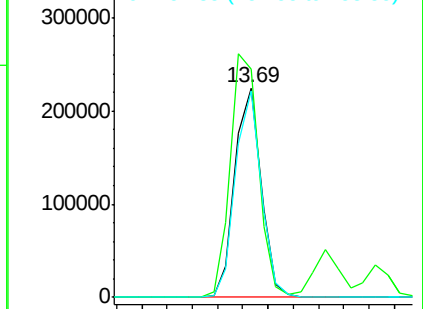
158 98.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.514 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD062053.D

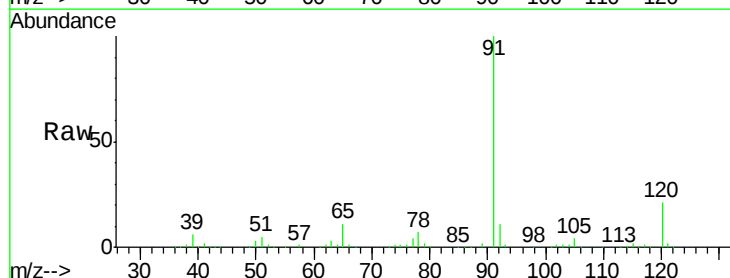
Acq: 26 Apr 2019 10:47

Tgt Ion: 91 Resp: 1249060

Ion Ratio Lower Upper

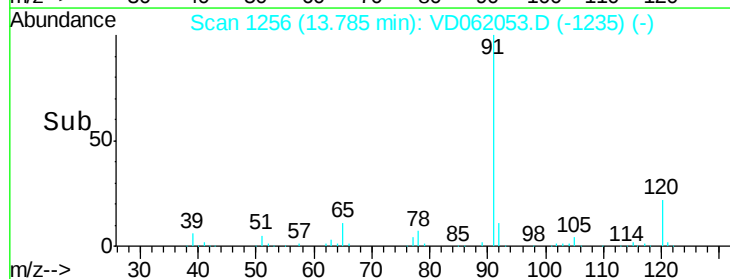
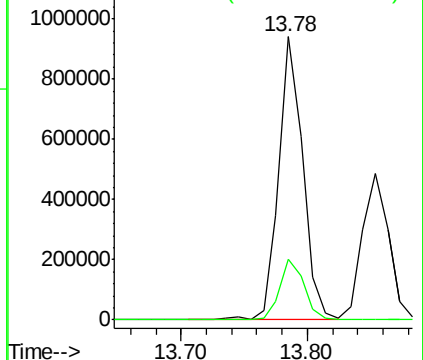
91 100

120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 43.601 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

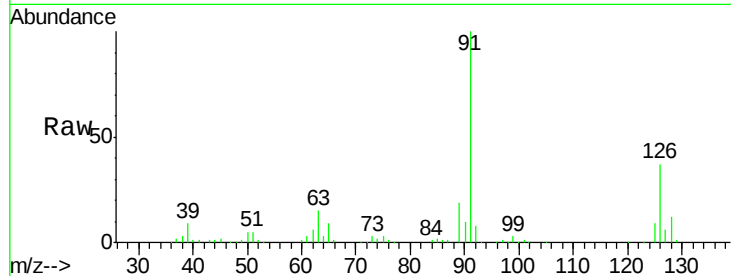
VSTDCCC050

Tot Ion: 91 Resp: 709193

Ion Ratio Lower Upper

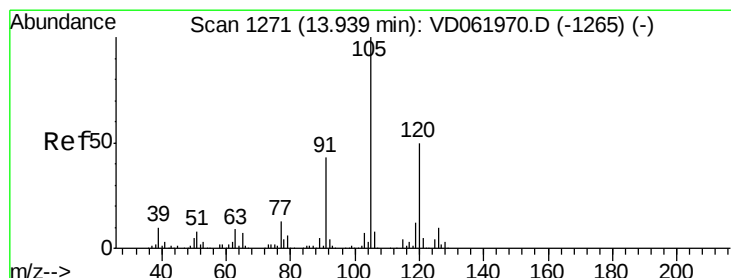
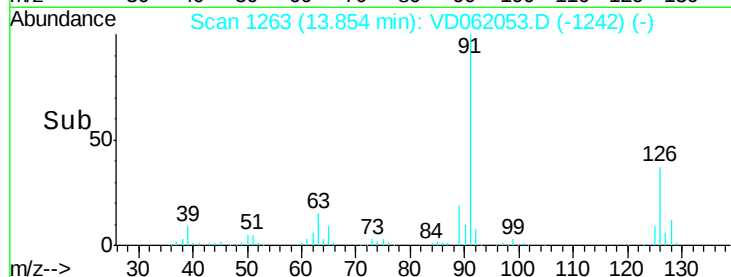
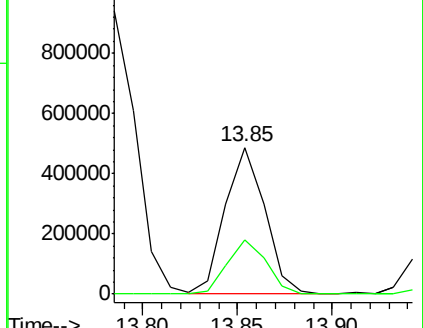
91 100

126 36.6 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: 47.204 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062053.D

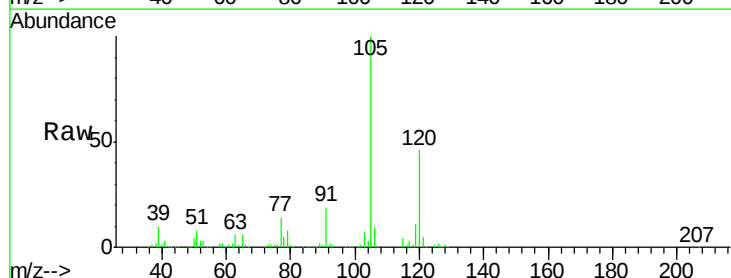
Acq: 26 Apr 2019 10:47

Tgt Ion:105 Resp: 882908

Ion Ratio Lower Upper

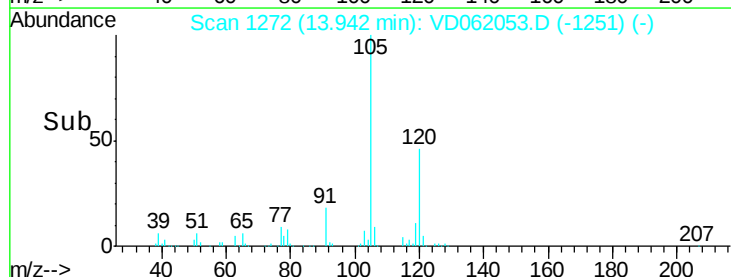
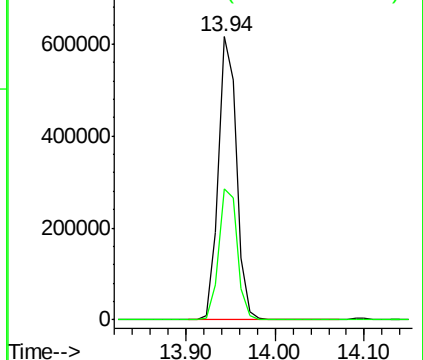
105 100

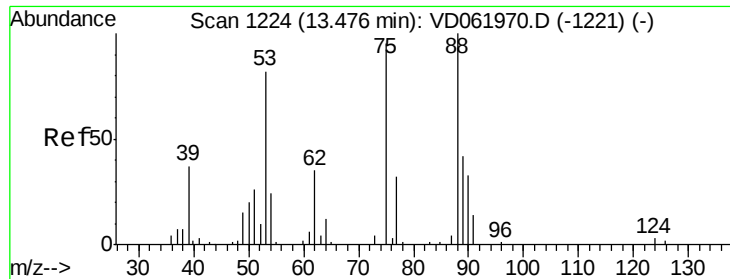
120 46.4 24.0 72.0



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: 52.128 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VD062053.D

Acq: 26 Apr 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

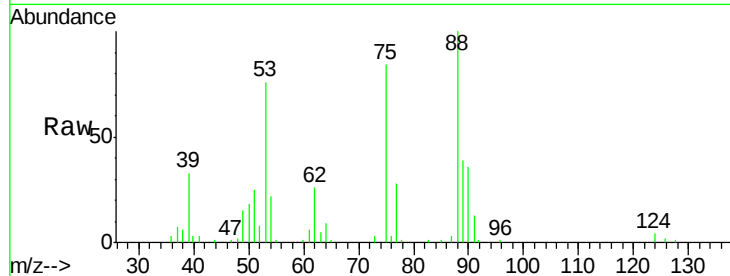
Tot Ion: 75 Resp: 70539

Ion Ratio Lower Upper

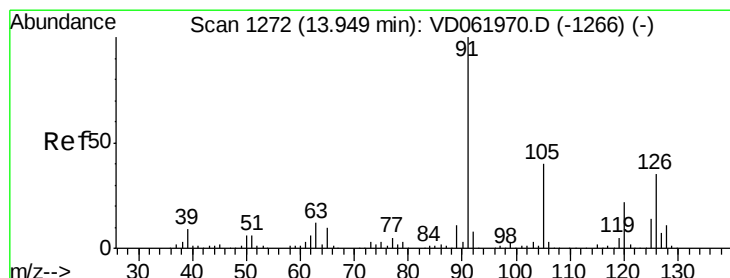
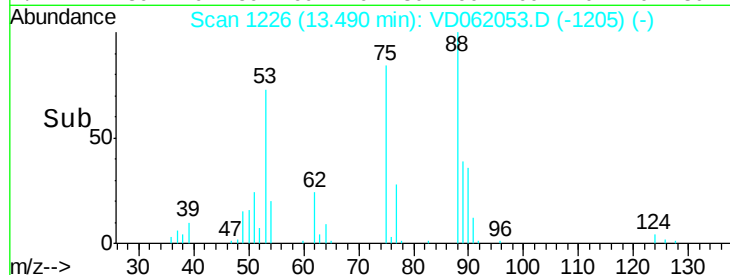
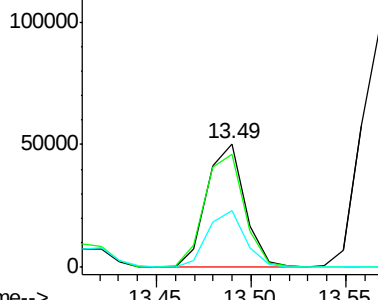
75 100

53 90.9 65.8 98.8

89 46.3 35.0 52.6



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



#82

4-Chlorotoluene

Concen: 48.191 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD062053.D

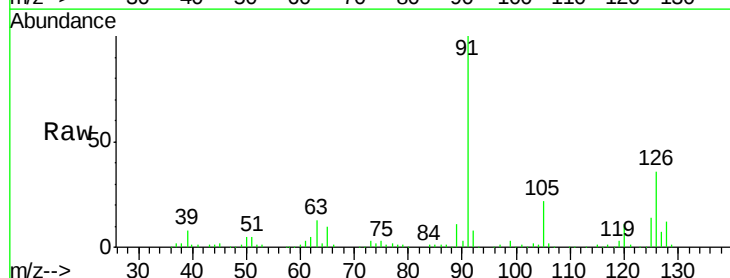
Acq: 26 Apr 2019 10:47

Tgt Ion: 91 Resp: 863232

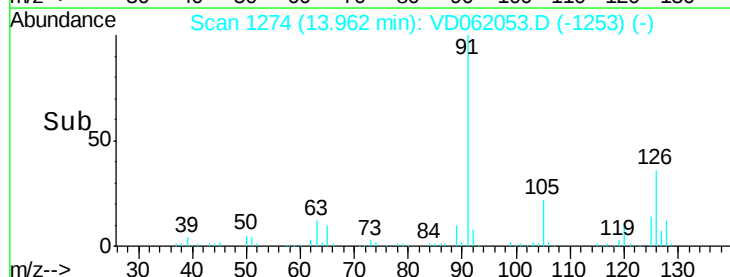
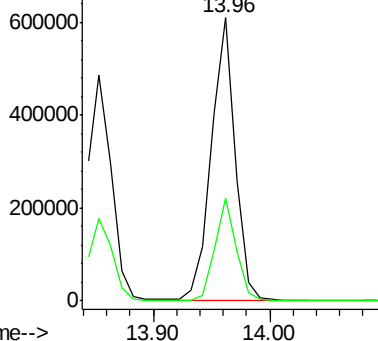
Ion Ratio Lower Upper

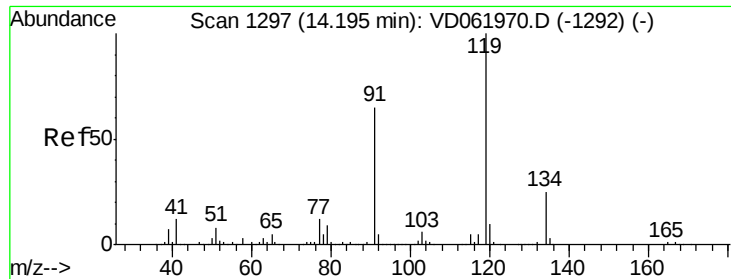
91 100

126 36.4 19.1 57.5



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

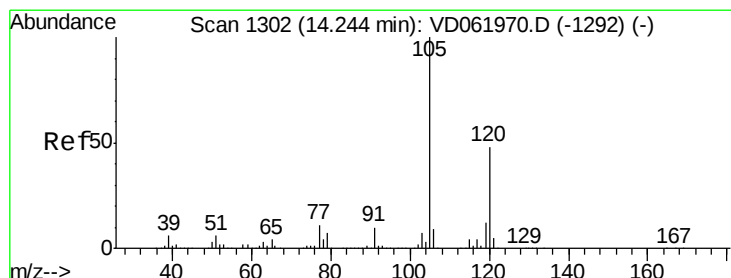
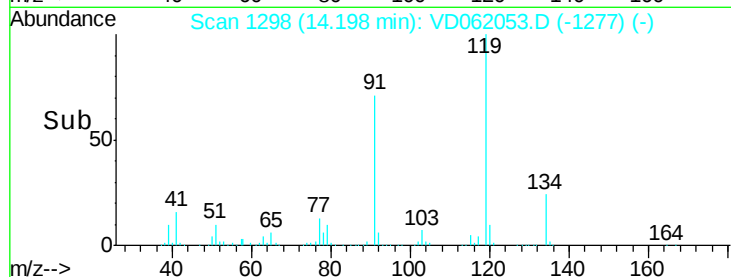
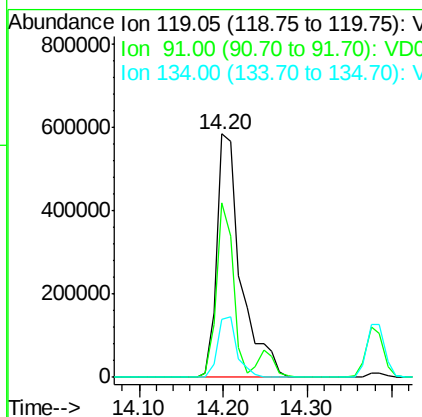
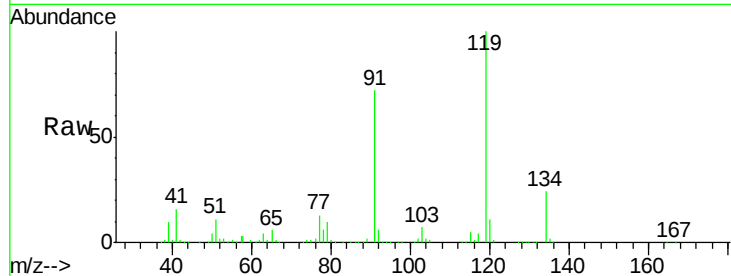




#83
tert-Butylbenzene
Concen: 53.616 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

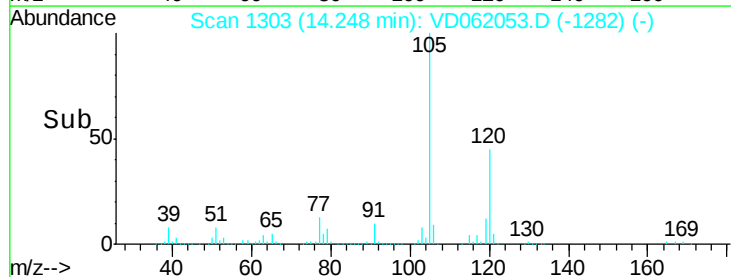
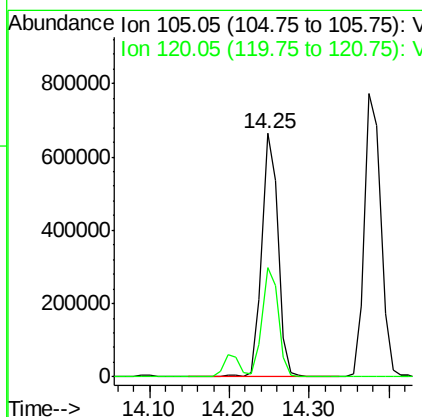
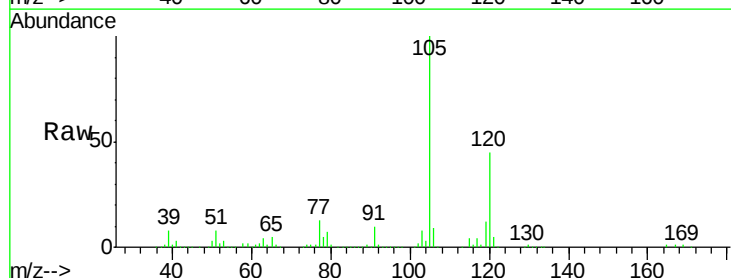
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

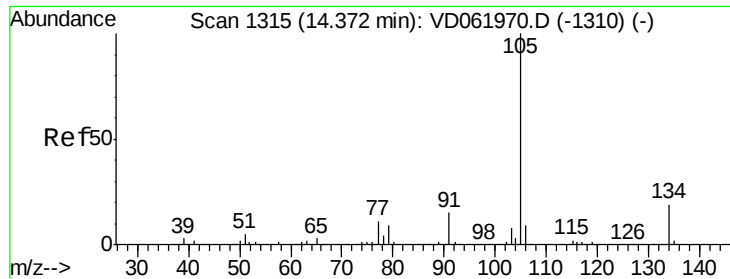
Tot Ion:119 Resp: 1161736
Ion Ratio Lower Upper
119 100
91 71.9 34.2 102.6
134 23.7 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 51.746 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion:105 Resp: 924159
Ion Ratio Lower Upper
105 100
120 45.2 23.1 69.2

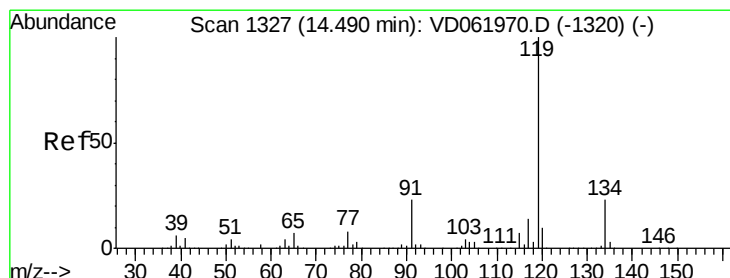
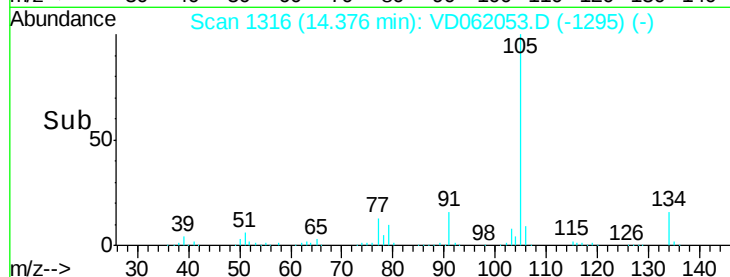
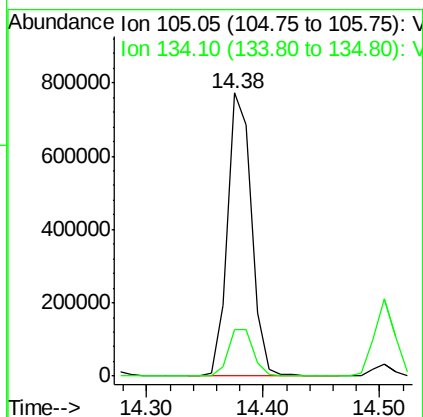
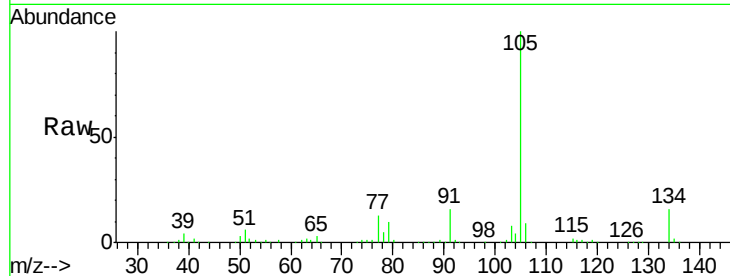




#85
 sec-Butylbenzene
 Concen: 46.860 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

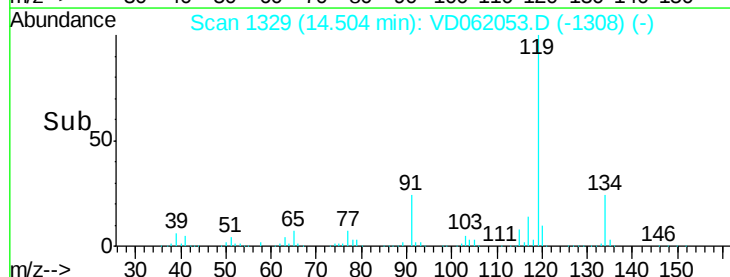
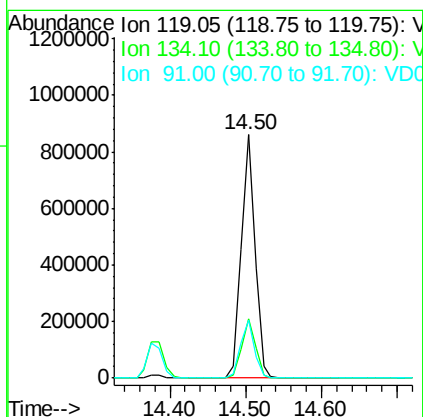
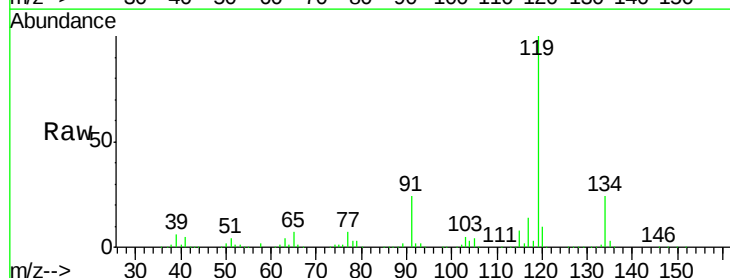
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1097098
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 50.751 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion:119 Resp: 1063405
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.8 38.3
 91 23.7 10.7 32.1

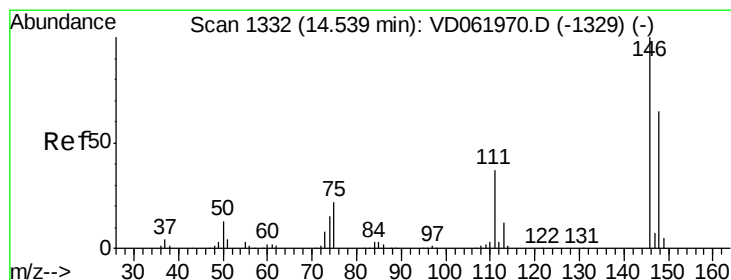
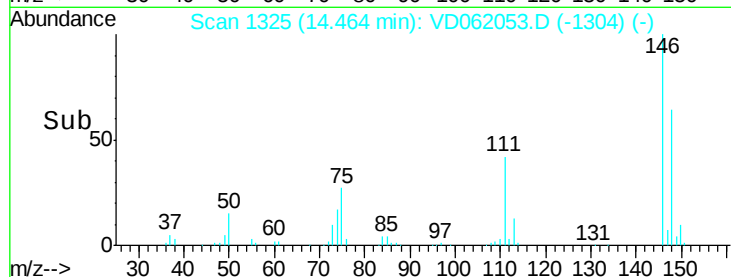
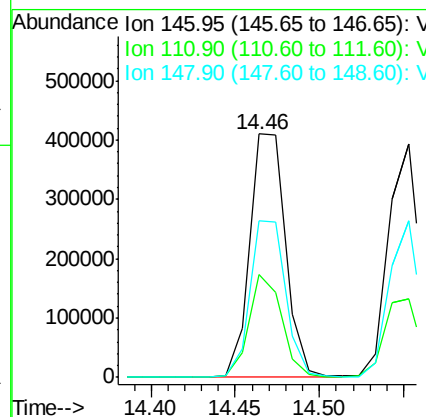
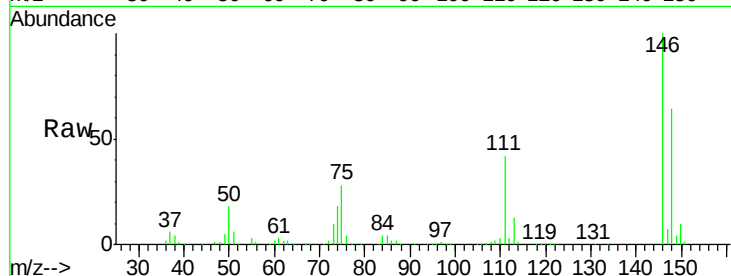




#87
 1,3-Dichlorobenzene
 Concen: 51.406 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

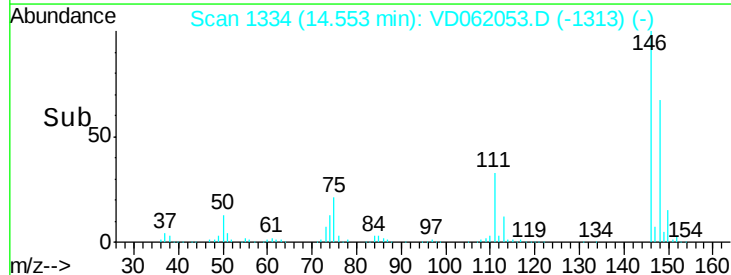
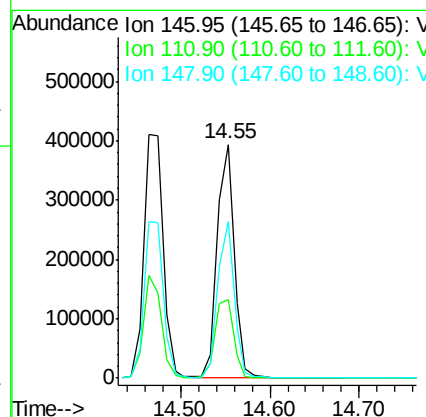
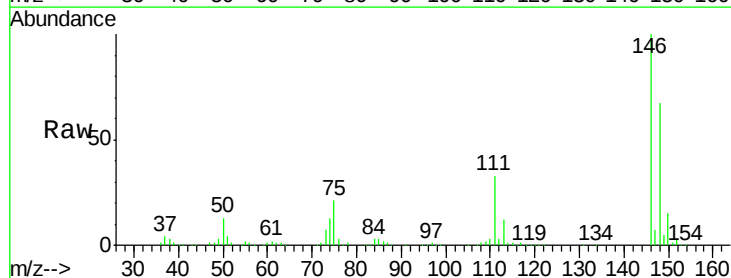
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

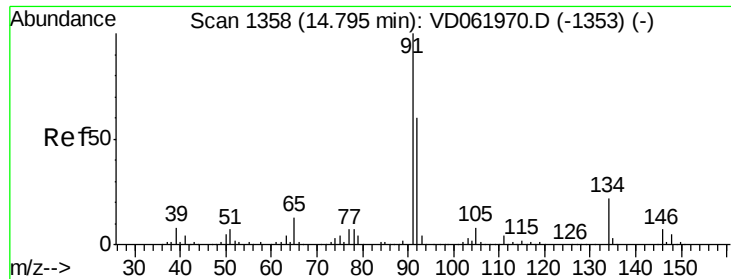
Tot Ion:146 Resp: 605775
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.0 60.0
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.609 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion:146 Resp: 524672
 Ion Ratio Lower Upper
 146 100
 111 33.4 20.2 60.5
 148 67.1 32.0 96.2

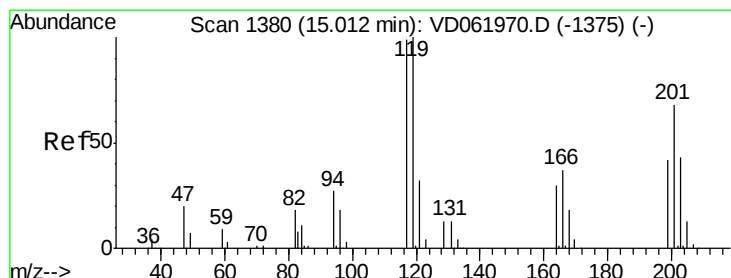
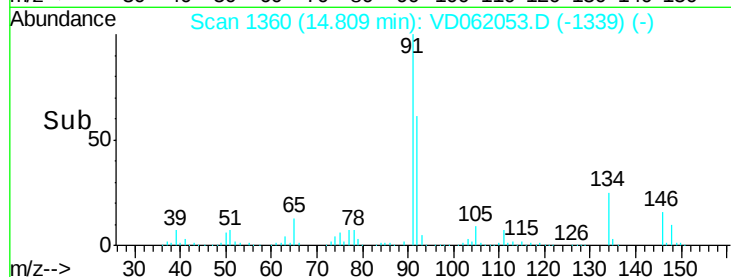
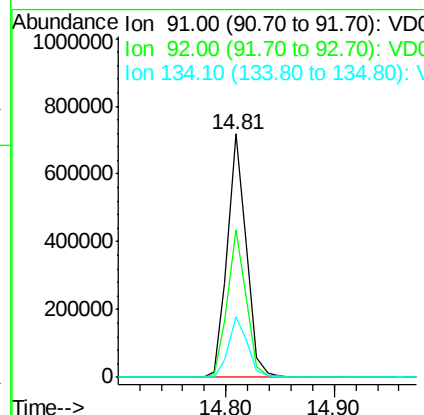
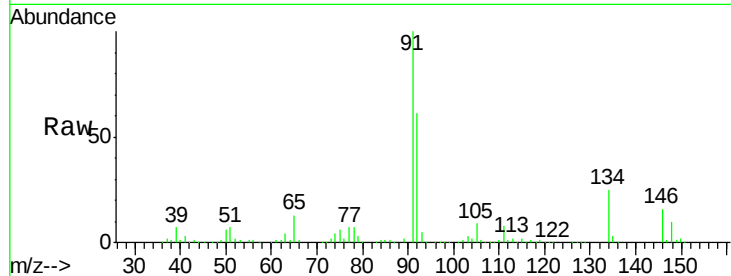




#89
n-Butylbenzene
Concen: 46.678 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

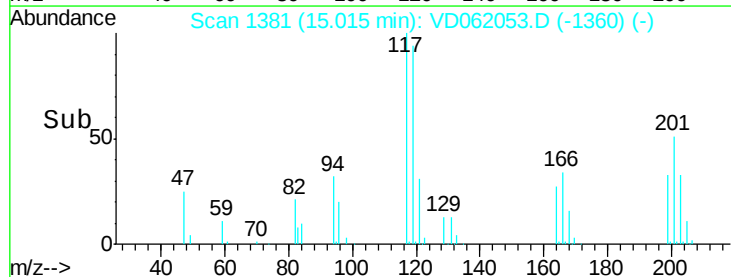
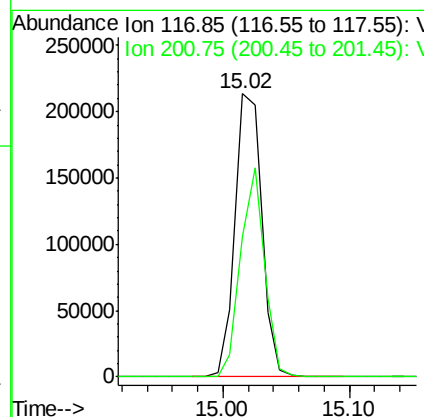
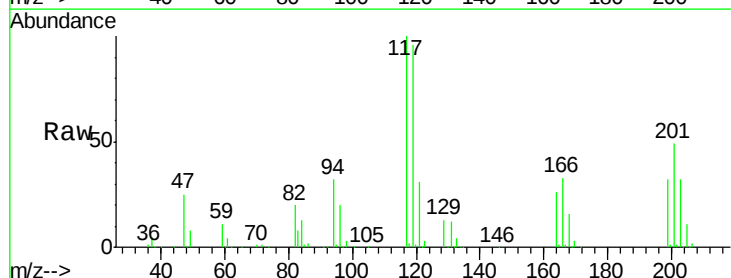
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 878067
Ion Ratio Lower Upper
91 100
92 60.6 30.3 91.0
134 24.6 14.5 43.6



#90
Hexachloroethane
Concen: 55.073 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion: 117 Resp: 312034
Ion Ratio Lower Upper
117 100
201 49.3 30.2 90.6

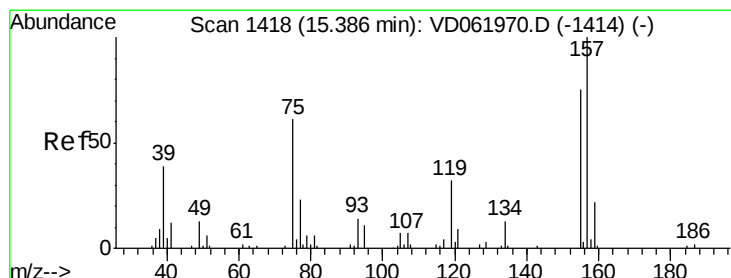
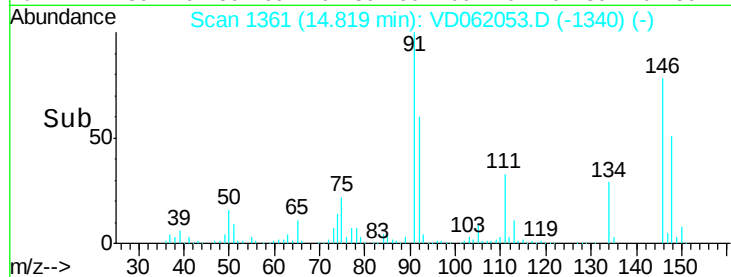
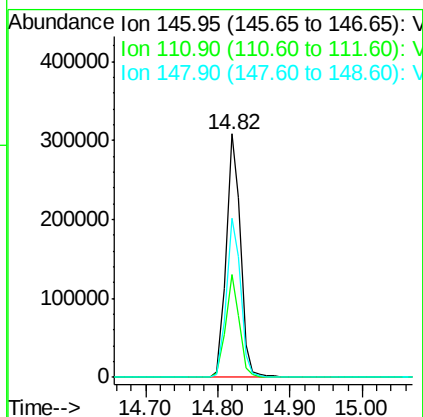
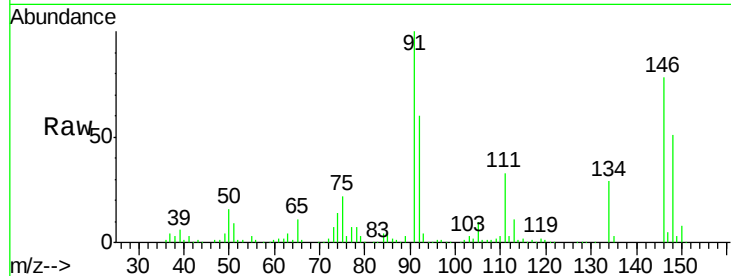




#91
 1,2-Dichlorobenzene
 Concen: 43.640 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

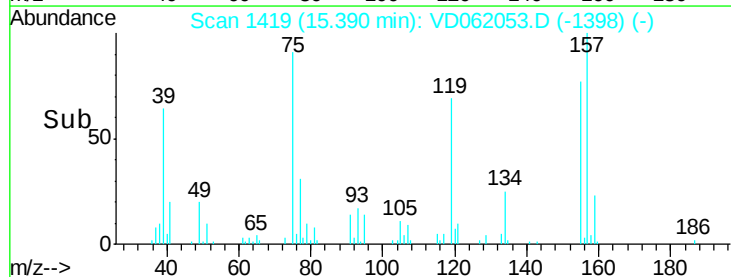
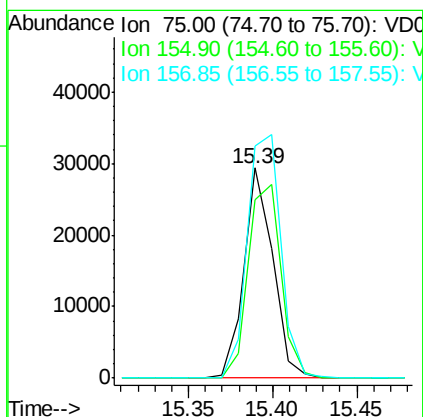
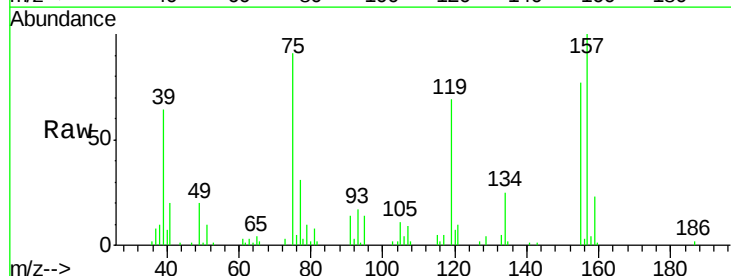
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

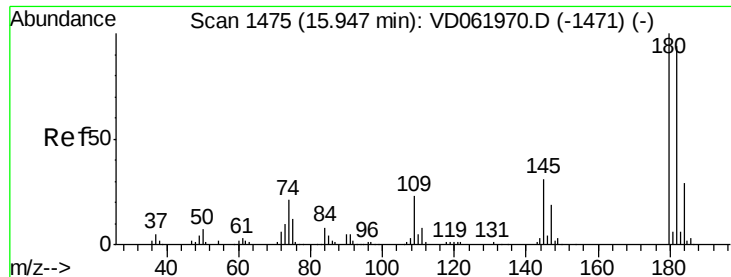
Tot Ion:146 Resp: 424201
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.0 59.9
 148 65.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.557 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion: 75 Resp: 35074
 Ion Ratio Lower Upper
 75 100
 155 85.3 55.3 165.8
 157 110.5 67.8 203.2

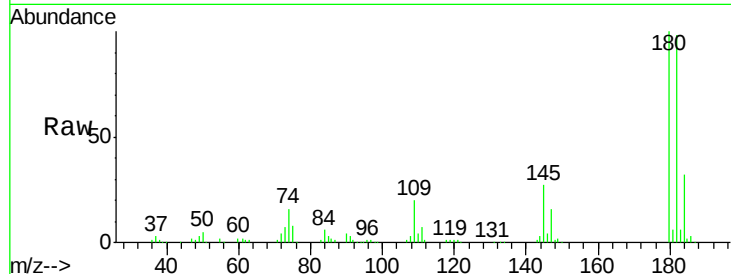




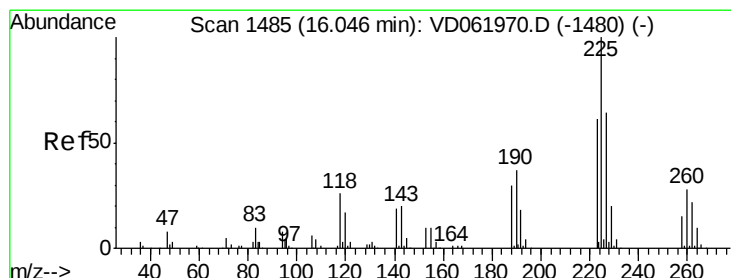
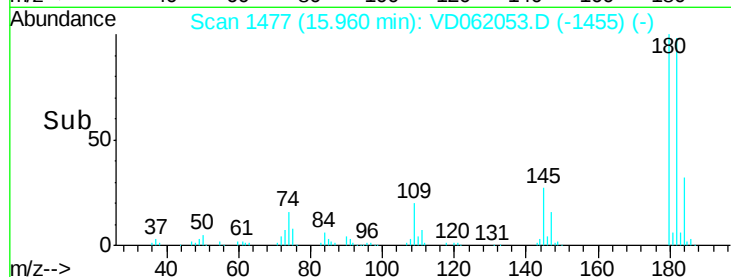
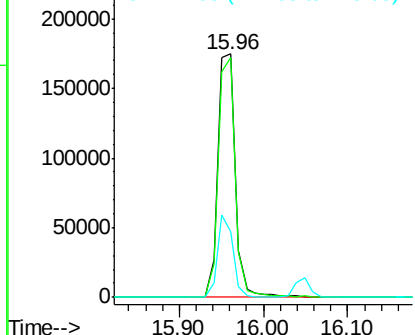
#93
 1,2,4-Trichlorobenzene
 Concen: 47.827 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 250844
 Ion Ratio Lower Upper
 180 100
 182 98.4 49.3 147.8
 145 27.1 16.2 48.6

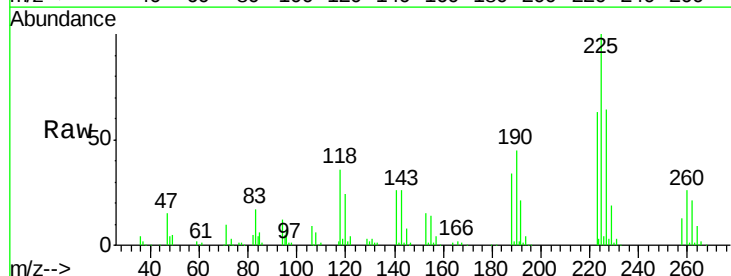


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

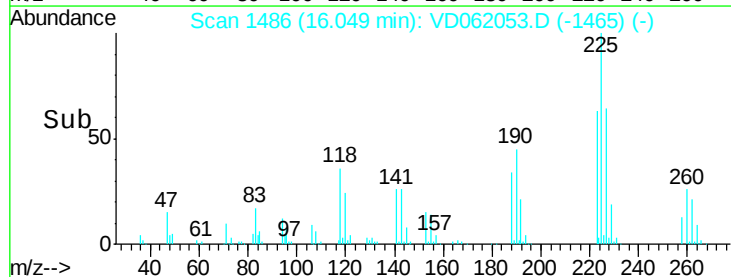
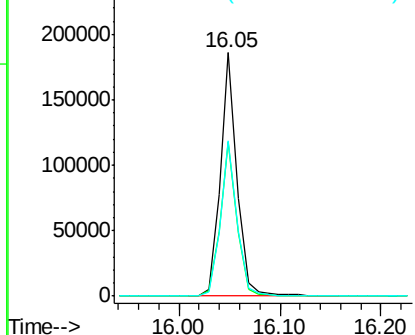


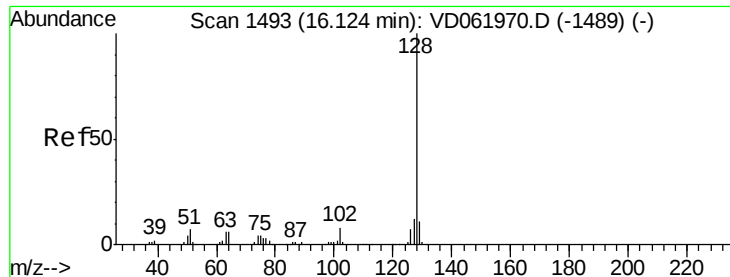
#94
 Hexachlorobutadiene
 Concen: 55.245 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD062053.D
 Acq: 26 Apr 2019 10:47

Tgt Ion:225 Resp: 214424
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.6 92.0
 227 63.9 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

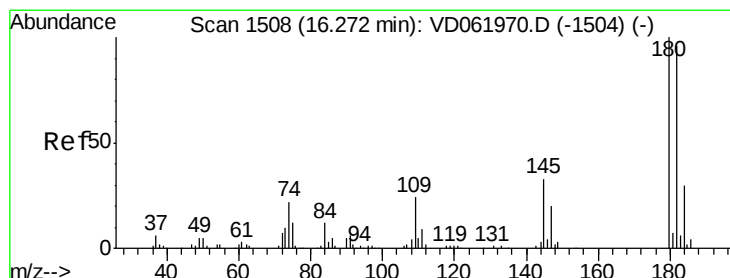
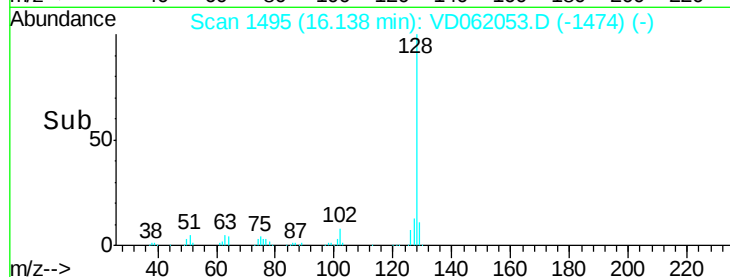
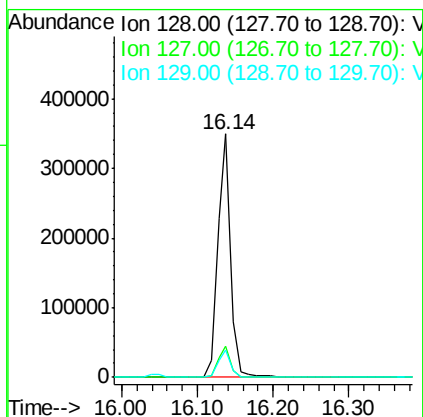
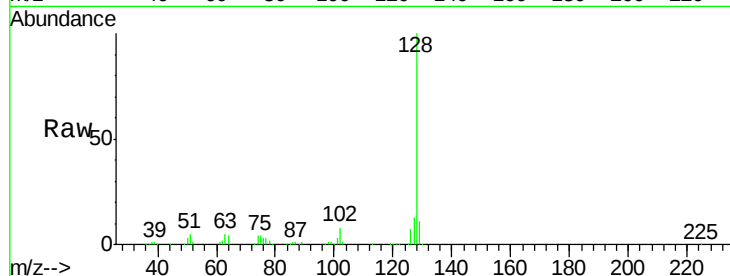




#95
Naphthalene
Concen: 49.317 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 417632
Ion Ratio Lower Upper
128 100
127 12.8 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.111 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062053.D
Acq: 26 Apr 2019 10:47

Tgt Ion:180 Resp: 158048
Ion Ratio Lower Upper
180 100
182 97.3 47.0 141.0
145 30.6 17.0 51.0

