

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061531.D
 Acq On : 2 Apr 2019 23:30
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 03 01:56:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	612941	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1066946	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	923387	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	411204	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	304922	58.24	ug/l	0.04
Spiked Amount	50.000		Recovery	=	116.48%	
35) Dibromofluoromethane	6.94	113	448326	54.99	ug/l	0.04
Spiked Amount	50.000		Recovery	=	109.98%	
50) Toluene-d8	10.42	98	1109711	56.75	ug/l	0.04
Spiked Amount	50.000		Recovery	=	113.50%	
62) 4-Bromofluorobenzene	13.56	95	436795	58.25	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	320195	48.915	ug/l	97
3) Chloromethane	1.78	50	252217	47.244	ug/l	99
4) Vinyl Chloride	1.87	62	234472	47.834	ug/l	98
5) Bromomethane	2.17	94	43827	45.089	ug/l	93
6) Chloroethane	2.28	64	78867	54.866	ug/l	94
7) Trichlorofluoromethane	2.55	101	368257	51.665	ug/l	100
8) Diethyl Ether	2.89	74	125384	54.635	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.17	101	405627	52.933	ug/l	96
10) Methyl Iodide	3.32	142	560903	48.276	ug/l	99
11) Tert butyl alcohol	4.07	59	107446	329.507	ug/l	100
12) 1,1-Dichloroethene	3.15	96	333826	50.741	ug/l	99
13) Acrolein	3.05	56	54495	216.251	ug/l	94
14) Allyl chloride	3.64	41	495809	54.031	ug/l	98
15) Acrylonitrile	4.21	53	339790	300.231	ug/l	95
16) Acetone	3.23	43	350920	260.714	ug/l	97
17) Carbon Disulfide	3.39	76	939790	43.965	ug/l	99
18) Methyl Acetate	3.65	43	178090	62.929	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	674364	59.215	ug/l	99
20) Methylene Chloride	3.83	84	410262	54.586	ug/l	99
21) trans-1,2-Dichloroethene	4.24	96	365626	51.475	ug/l	99
22) Diisopropyl ether	5.13	45	1139518	58.682	ug/l	97
23) Vinyl Acetate	5.08	43	3068853	290.941	ug/l	100
24) 1,1-Dichloroethane	5.01	63	612203	53.645	ug/l	99
25) 2-Butanone	6.08	43	483806	285.744	ug/l	98
26) 2,2-Dichloropropane	6.03	77	466402	51.412	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	421873	54.209	ug/l	96
28) Bromochloromethane	6.45	49	268173	58.214	ug/l #	97
29) Tetrahydrofuran	6.46	42	269740	328.687	ug/l	98
30) Chloroform	6.68	83	660054	55.976	ug/l	99
31) Cyclohexane	6.96	56	437063	48.464	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	562795	54.100	ug/l	95
36) 1,1-Dichloropropene	7.16	75	466663	50.114	ug/l	98
37) Ethyl Acetate	6.19	43	235707	59.185	ug/l	95
38) Carbon Tetrachloride	7.12	117	607296	56.754	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	505333	52.105	ug/l	96
40) Benzene	7.47	78	1214557	51.969	ug/l	98
41) Methacrylonitrile	6.45	41	295590	63.478	ug/l	98
42) 1,2-Dichloroethane	7.59	62	411503	58.864	ug/l	97
43) Isopropyl Acetate	9.25	43	328551	56.700	ug/l #	99
44) Trichloroethene	8.55	130	467127	53.709	ug/l	99
45) 1,2-Dichloropropane	8.94	63	345645	58.326	ug/l	99
46) Dibromomethane	9.07	93	228662	57.327	ug/l	99
47) Bromodichloromethane	9.39	83	523460	58.471	ug/l	98
48) Methyl methacrylate	9.13	41	199432	62.363	ug/l	96
49) 1,4-Dioxane	9.09	88	45990	1303.838	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	1011927	287.044	ug/l	96
52) Toluene	10.51	92	711583	49.908	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	453279	55.728	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	546689	55.198	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	272913	54.733	ug/l	98
56) Ethyl methacrylate	11.05	69	285792	53.353	ug/l	97
57) 1,3-Dichloropropane	11.42	76	405777	55.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	865898	331.935	ug/l	94
59) 2-Hexanone	11.53	43	715622	280.173	ug/l	99
60) Dibromochloromethane	11.69	129	450814	58.647	ug/l	98
61) 1,2-Dibromoethane	11.81	107	319281	55.298	ug/l	99
64) Tetrachloroethene	11.27	164	339755	46.883	ug/l	98
65) Chlorobenzene	12.40	112	932812	49.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	393886	53.908	ug/l	96
67) Ethyl Benzene	12.53	91	1498672	52.030	ug/l	98
68) m/p-Xylenes	12.68	106	995130	91.204	ug/l	96
69) o-Xylene	13.05	106	567348	53.582	ug/l	96
70) Styrene	13.08	104	849087	46.002	ug/l	98
71) Bromoform	13.24	173	255390	55.139	ug/l	96
73) Isopropylbenzene	13.40	105	1424094	49.760	ug/l	99
74) N-amyl acetate	13.27	43	461284	57.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	320653	53.112	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	334618	56.334	ug/l	100
77) Bromobenzene	13.67	156	412892	48.665	ug/l	97
78) n-propylbenzene	13.78	91	1610310	45.978	ug/l	99
79) 2-Chlorotoluene	13.85	91	1002876	52.736	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1060356	47.752	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	99004	54.665	ug/l	94
82) 4-Chlorotoluene	13.95	91	1036546	50.129	ug/l	88
83) tert-Butylbenzene	14.19	119	1331797	47.992	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1159309	48.224	ug/l	100
85) sec-Butylbenzene	14.37	105	1475670	50.056	ug/l	98
86) p-Isopropyltoluene	14.50	119	1298197	52.076	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	675894	47.043	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	712809	50.874	ug/l	94
89) n-Butylbenzene	14.80	91	1095694	47.887	ug/l	99
90) Hexachloroethane	15.01	117	363114	51.559	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	612095	51.939	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	45733	64.587	ug/l	87

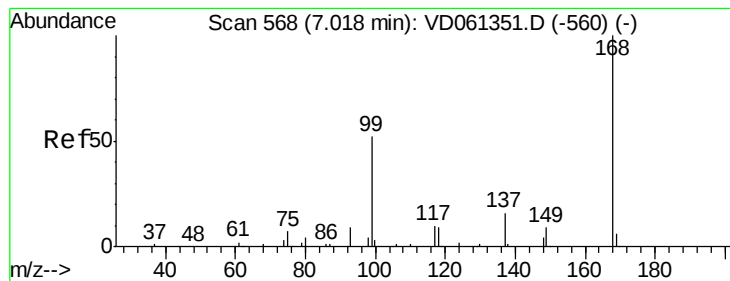
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	276351	51.477	ug/l	97
94) Hexachlorobutadiene	16.04	225	204177	48.671	ug/l	99
95) Naphthalene	16.12	128	466517	57.011	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	125179	52.989	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

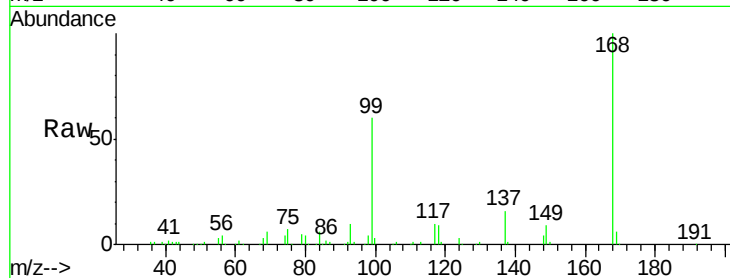
VSTDCCC050EC

Tot Ion:168 Resp: 612941

Ion Ratio Lower Upper

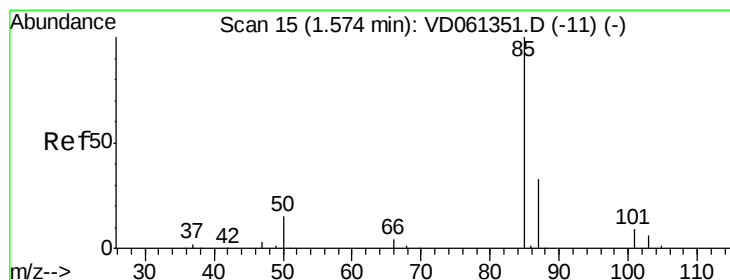
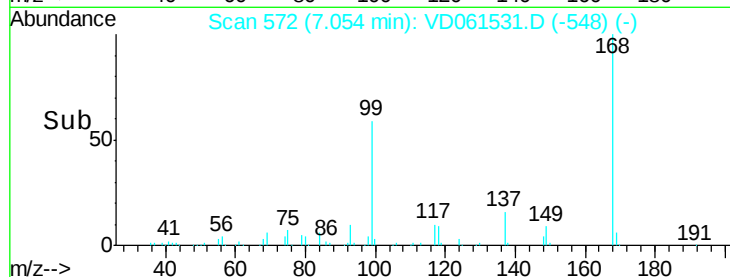
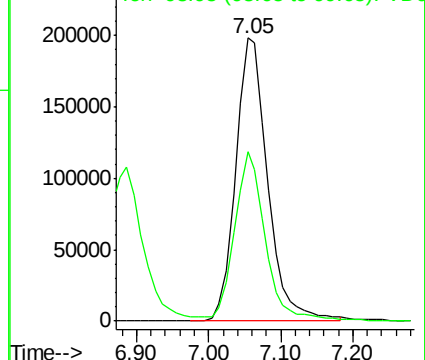
168 100

99 59.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.915 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061531.D

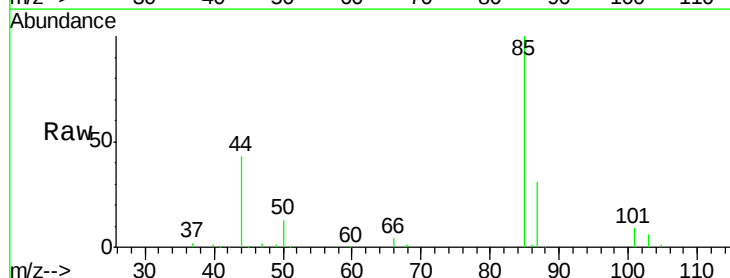
Acq: 2 Apr 2019 23:30

Tgt Ion: 85 Resp: 320195

Ion Ratio Lower Upper

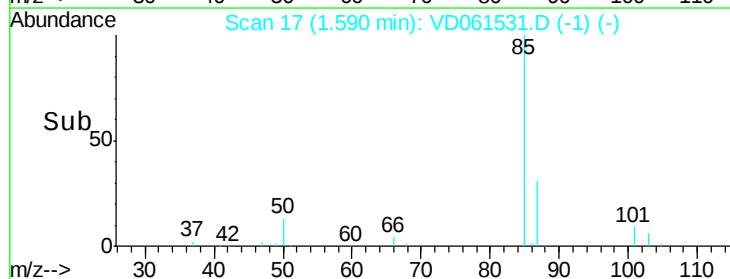
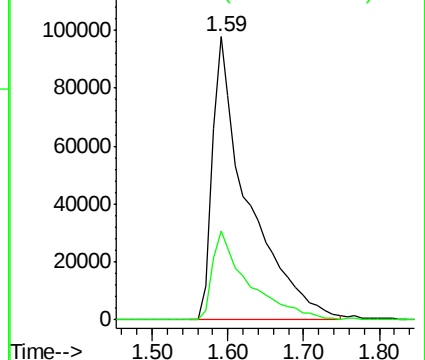
85 100

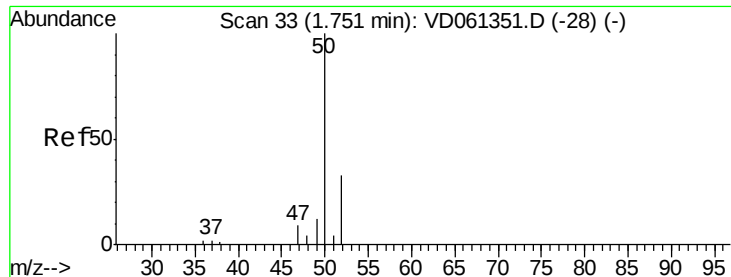
87 31.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.244 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

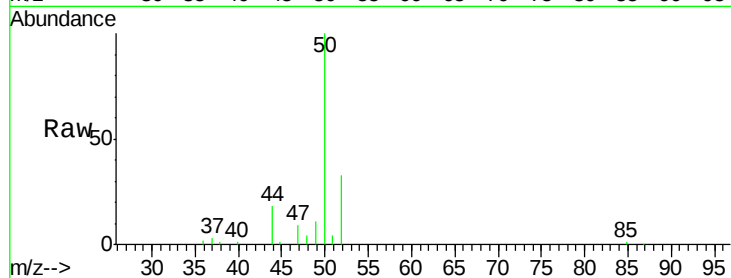
VSTDCCC050EC

Tot Ion: 50 Resp: 252217

Ion Ratio Lower Upper

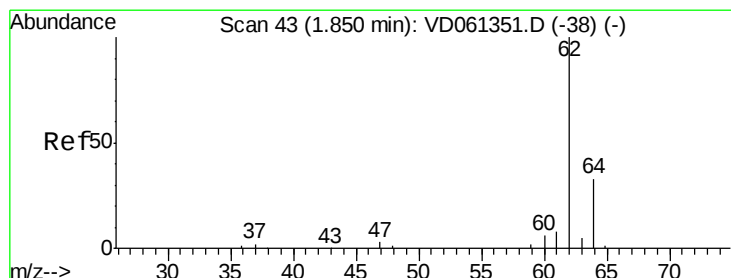
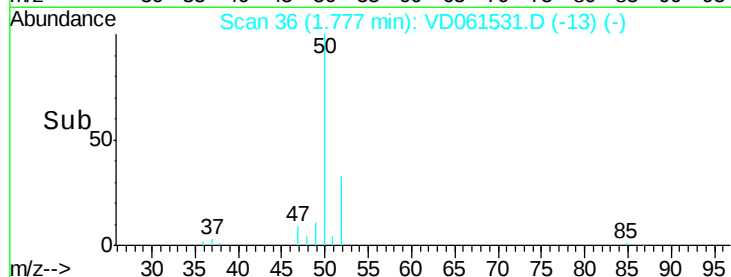
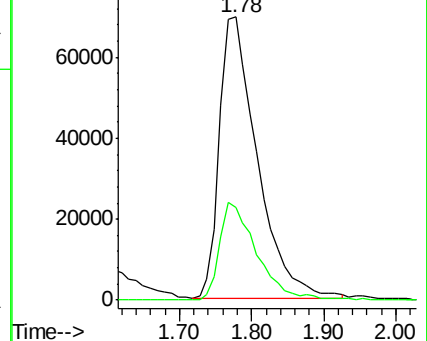
50 100

52 32.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.834 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061531.D

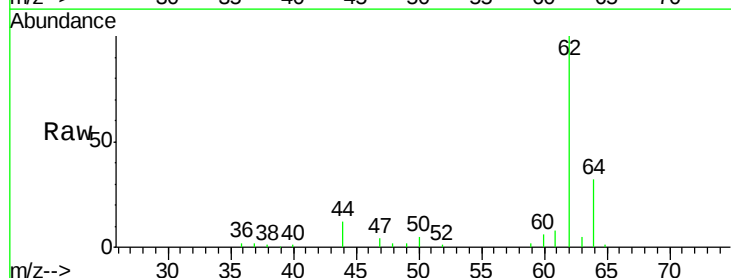
Acq: 2 Apr 2019 23:30

Tgt Ion: 62 Resp: 234472

Ion Ratio Lower Upper

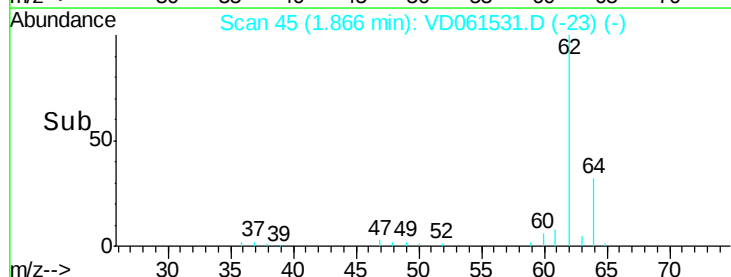
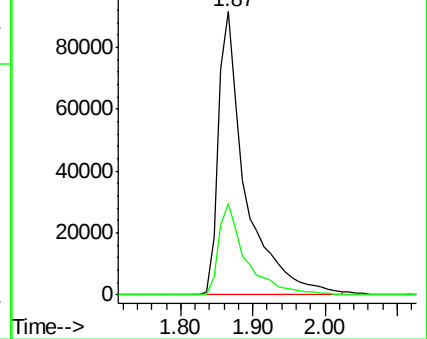
62 100

64 32.1 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

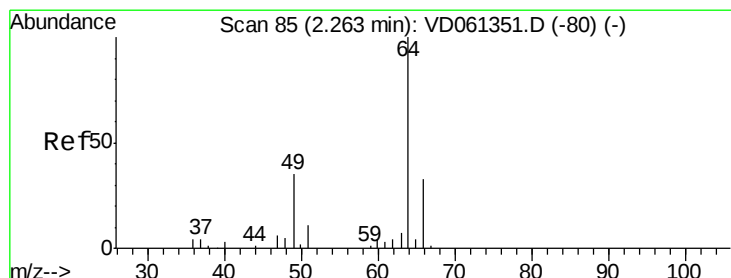
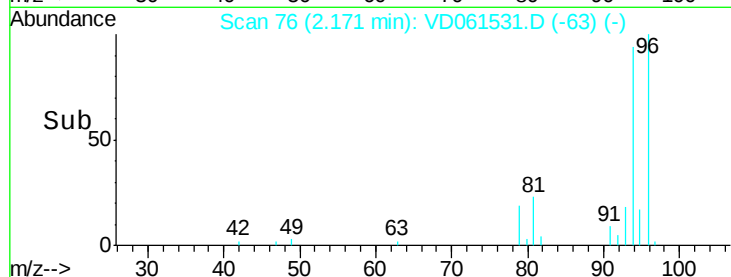
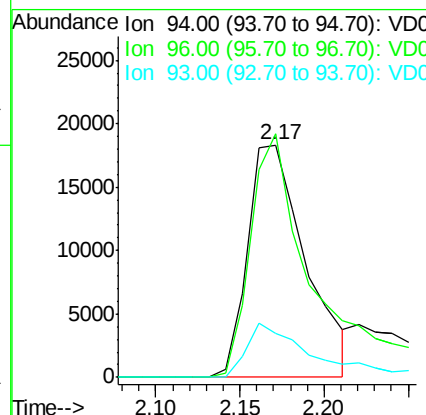
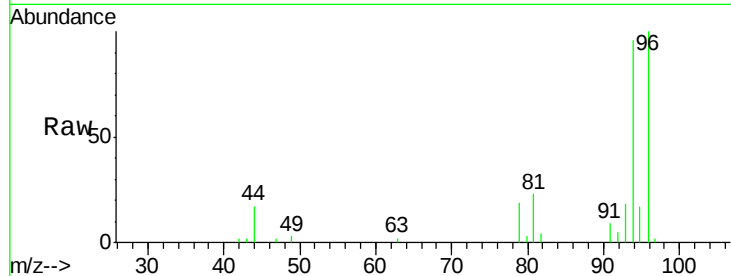




#5
Bromomethane
Concen: 45.089 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.03 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

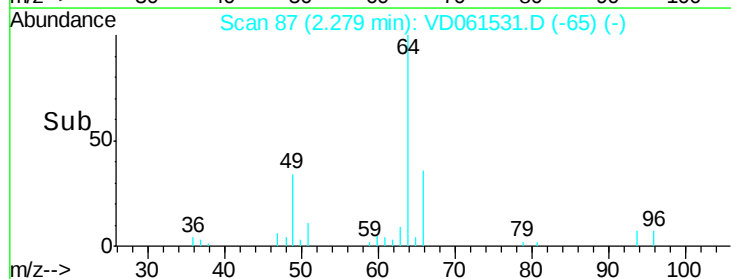
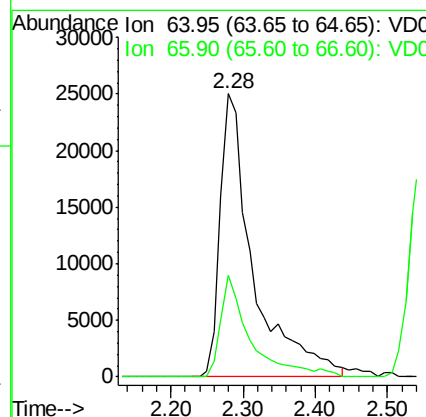
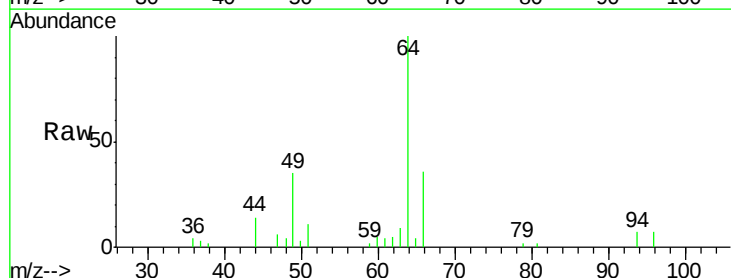
Instrument :
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Tot Ion: 94 Resp: 43827
Ion Ratio Lower Upper
94 100
96 106.5 78.3 117.5
93 18.8 15.6 23.4



#6
Chloroethane
Concen: 54.866 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 64 Resp: 78867
Ion Ratio Lower Upper
64 100
66 36.0 26.2 39.2



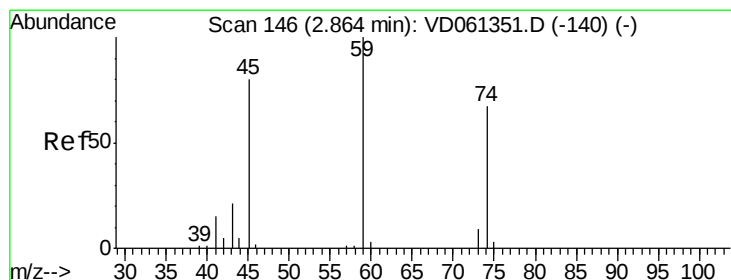
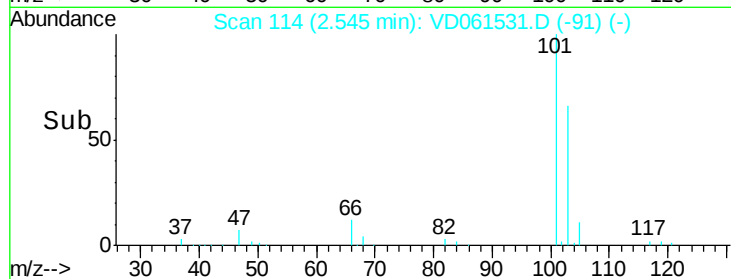
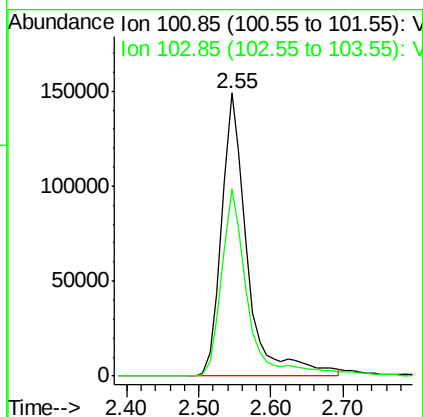
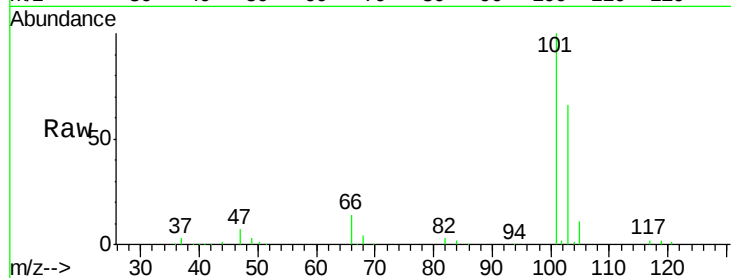


#7

Trichlorofluoromethane
 Concen: 51.665 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

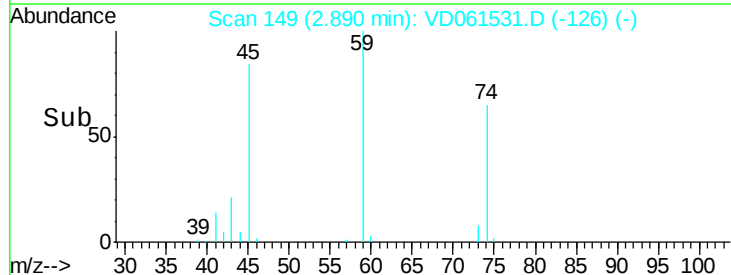
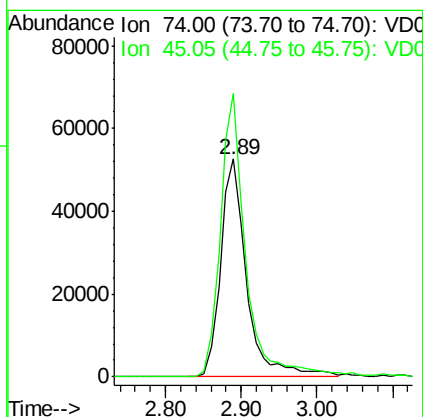
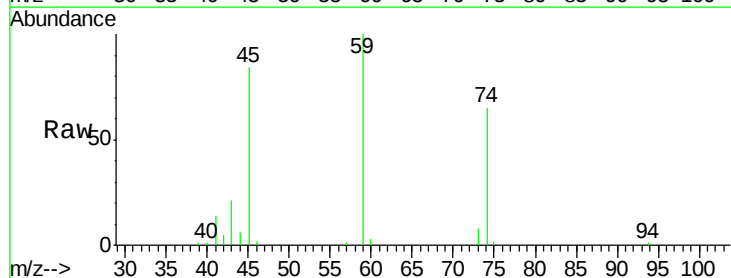
Tot Ion:101 Resp: 368257
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.1 79.7



#8

Diethyl Ether
 Concen: 54.635 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 74 Resp: 125384
 Ion Ratio Lower Upper
 74 100
 45 129.9 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.933 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

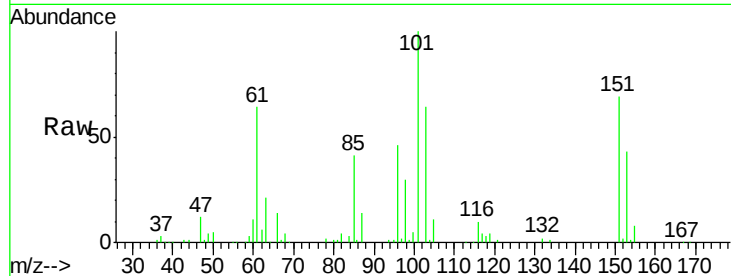
Tot Ion:101 Resp: 405627

Ion Ratio Lower Upper

101 100

85 40.6 29.4 44.0

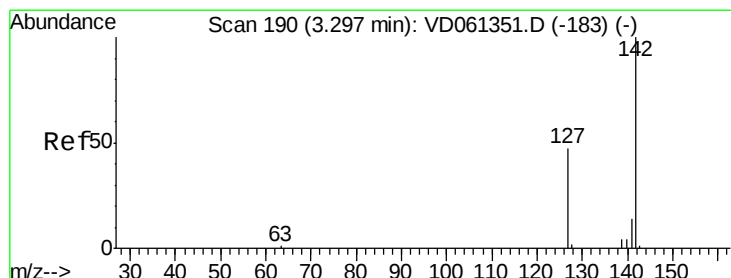
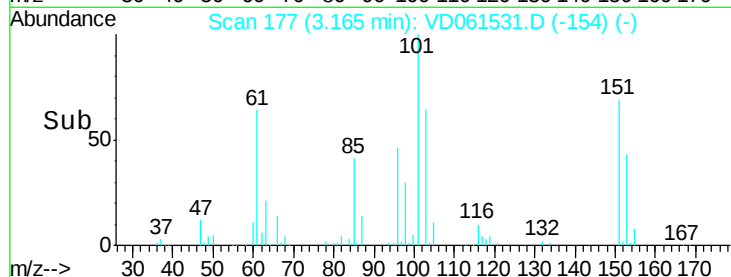
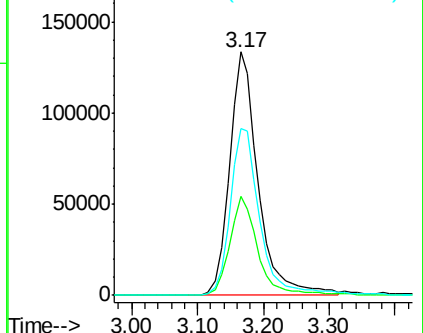
151 68.8 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 48.276 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

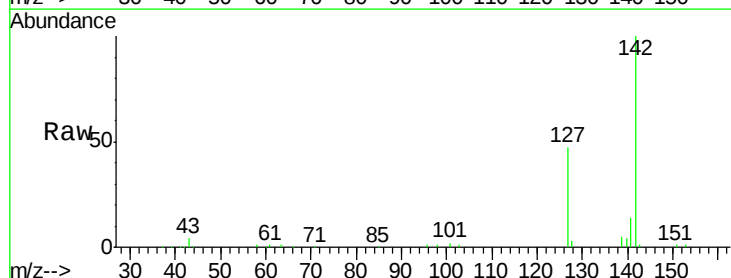
Tgt Ion:142 Resp: 560903

Ion Ratio Lower Upper

142 100

127 47.4 37.7 56.5

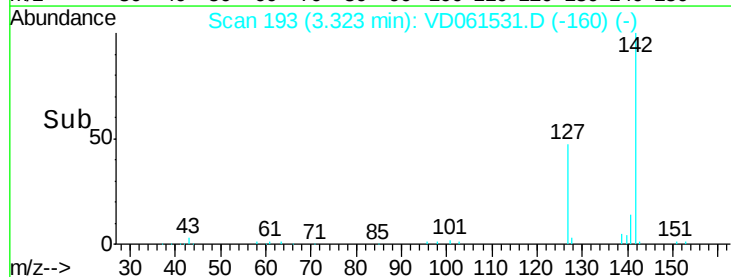
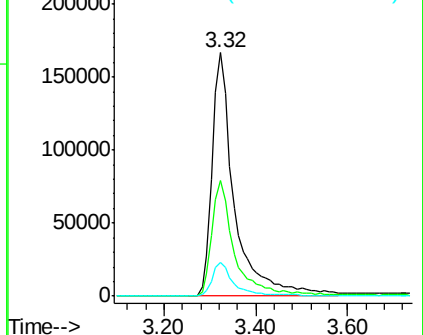
141 14.1 11.5 17.3

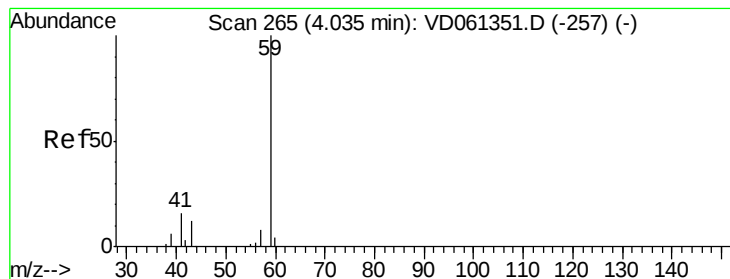


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



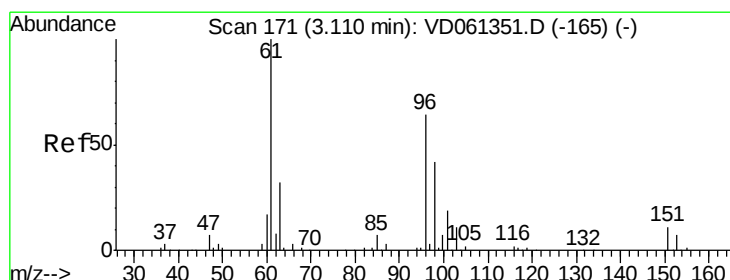
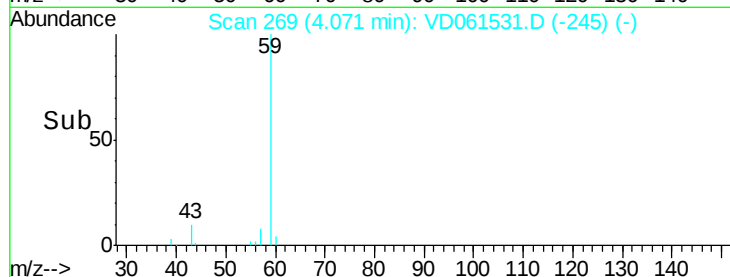
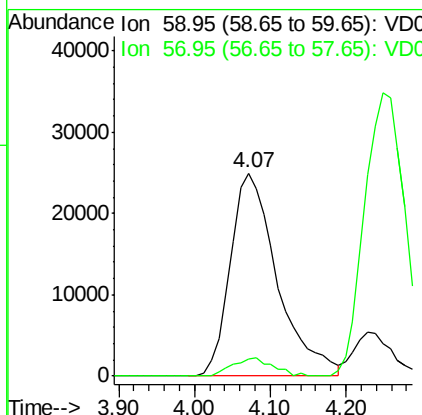
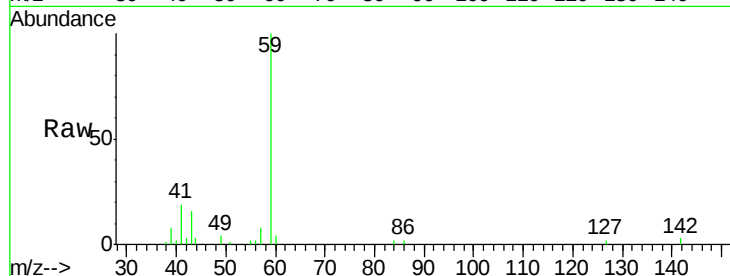


#11

Tert butyl alcohol
Concen: 329.507 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

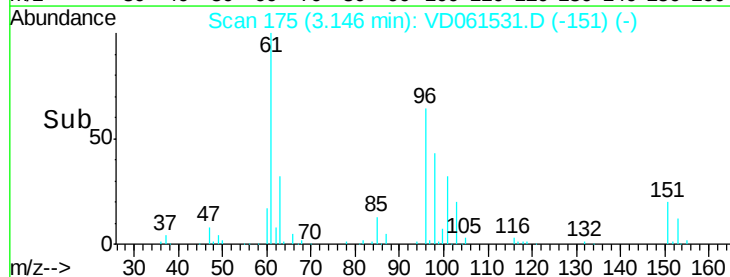
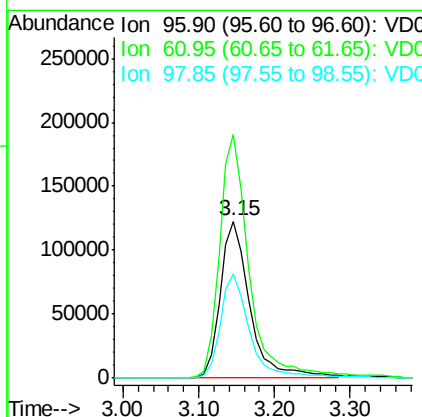
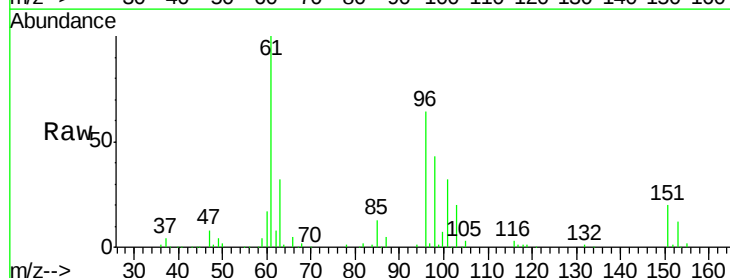
Tot Ion: 59 Resp: 107446
Ion Ratio Lower Upper
59 100
57 8.5 6.7 10.1

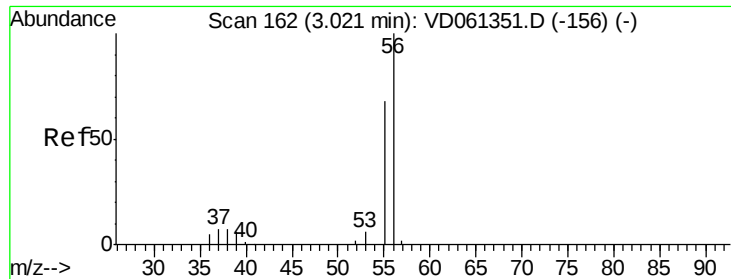


#12

1,1-Dichloroethene
Concen: 50.741 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 96 Resp: 333826
Ion Ratio Lower Upper
96 100
61 155.2 124.9 187.3
98 66.0 52.5 78.7

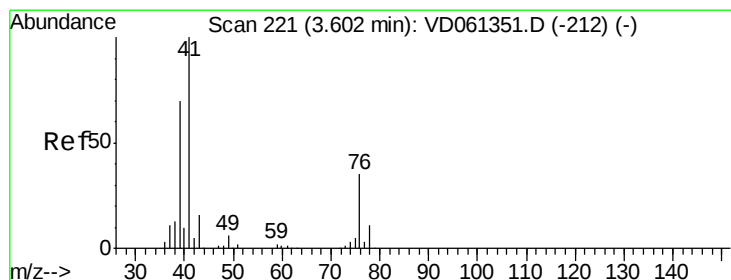
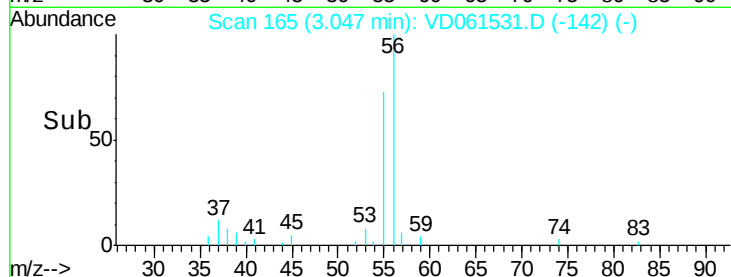
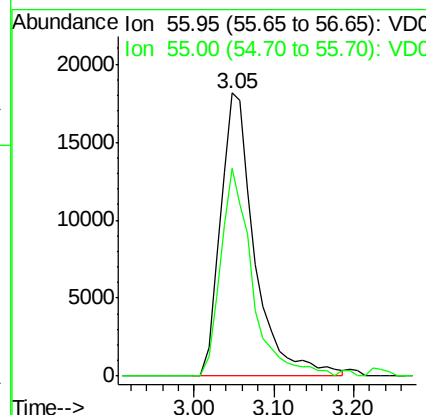
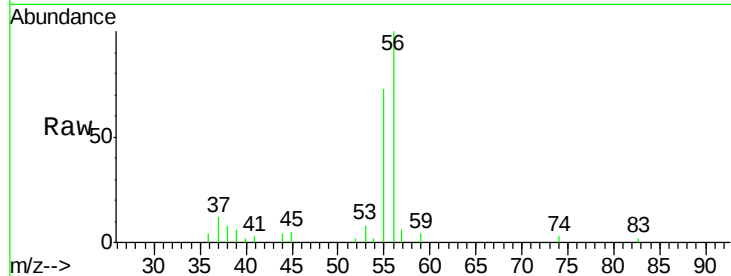




#13
Acrolein
Concen: 216.251 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.03 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

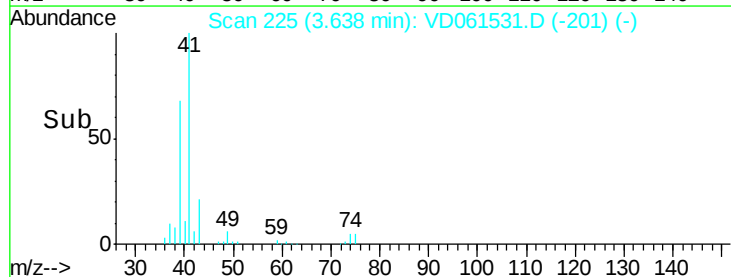
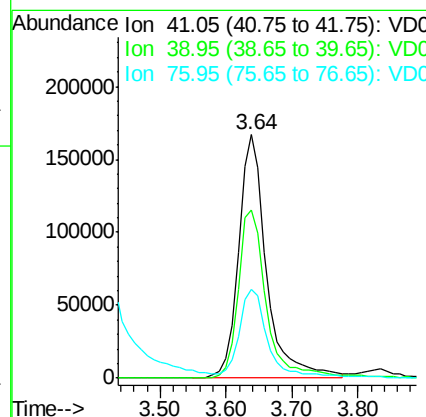
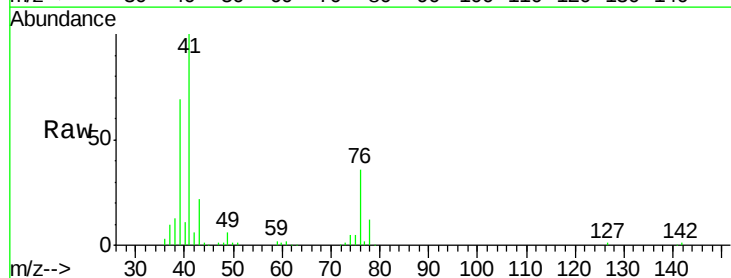
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

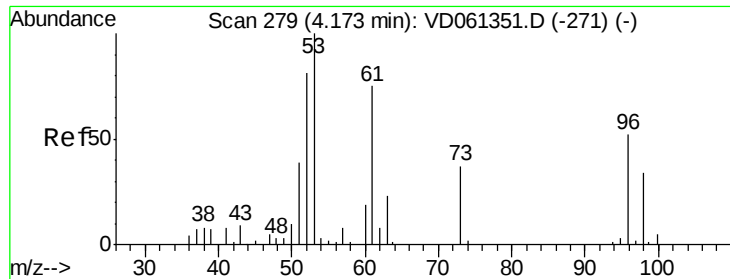
Tot Ion: 56 Resp: 54495
Ion Ratio Lower Upper
56 100
55 73.3 54.6 82.0



#14
Allyl chloride
Concen: 54.031 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 41 Resp: 495809
Ion Ratio Lower Upper
41 100
39 68.8 55.6 83.4
76 36.4 31.0 46.6

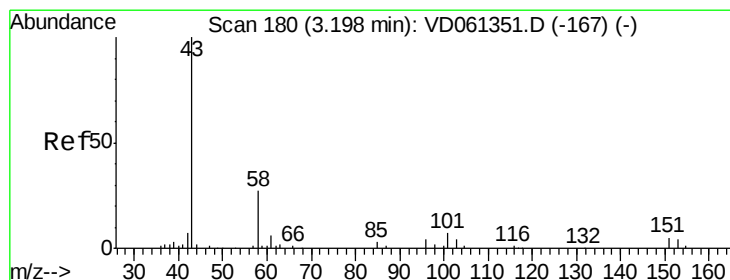
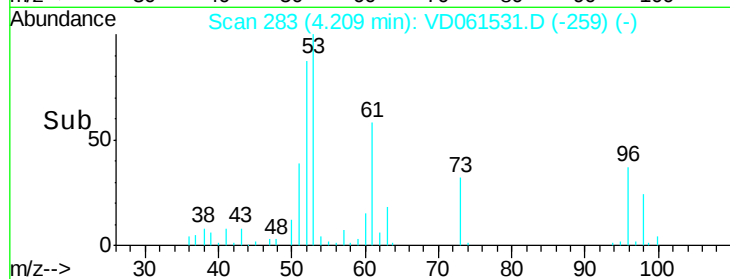
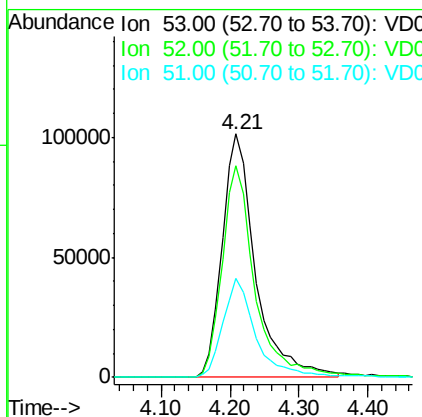
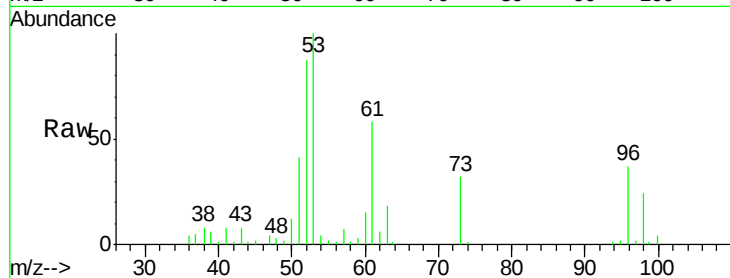




#15
Acrylonitrile
Concen: 300.231 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

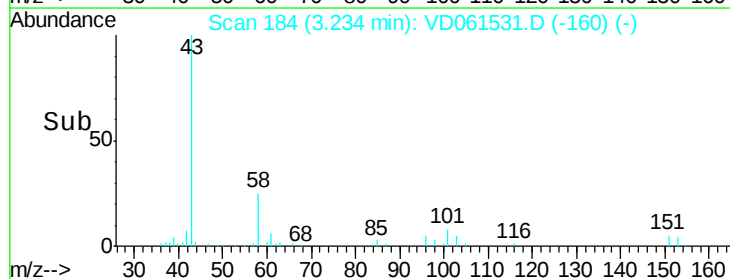
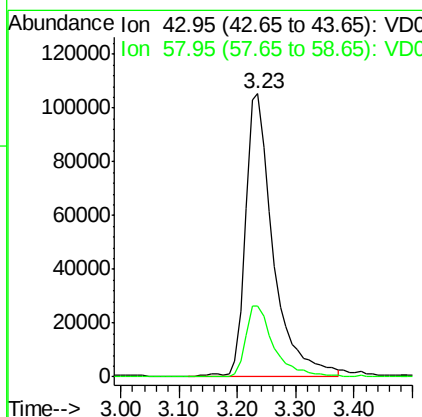
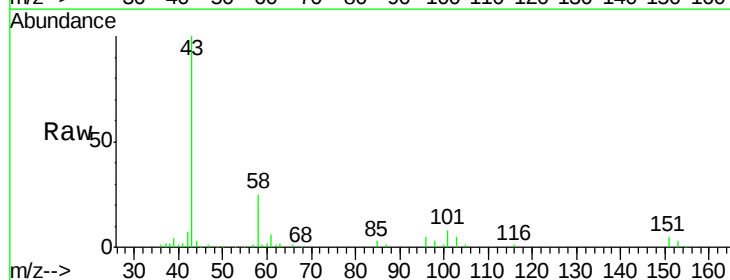
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

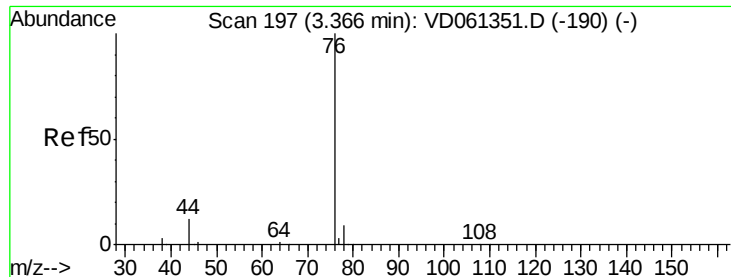
Tot Ion: 53 Resp: 339790
Ion Ratio Lower Upper
53 100
52 87.0 64.8 97.2
51 40.8 31.4 47.2



#16
Acetone
Concen: 260.714 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 43 Resp: 350920
Ion Ratio Lower Upper
43 100
58 25.2 21.5 32.3

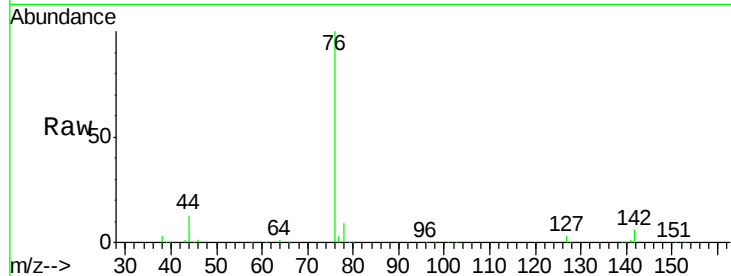




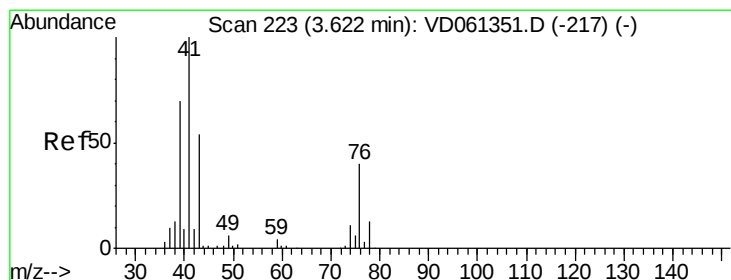
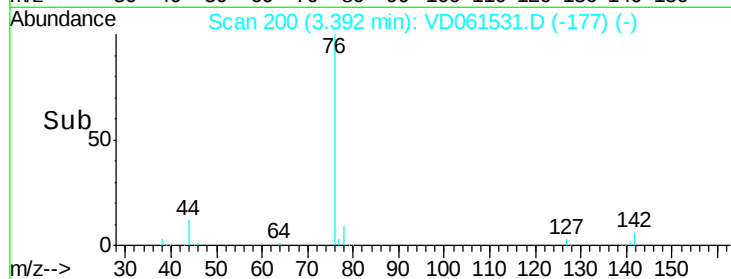
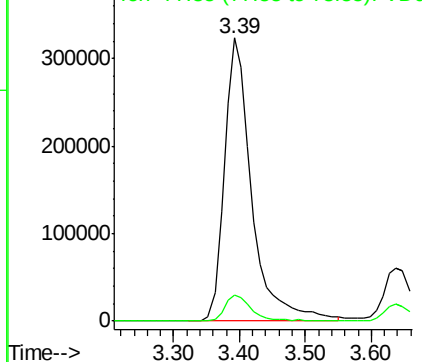
#17
Carbon Disulfide
Concen: 43.965 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.03 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 939790
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

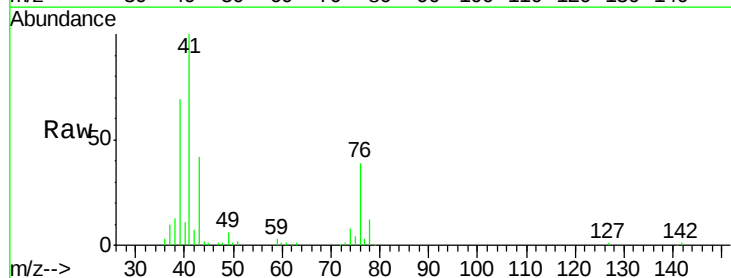


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

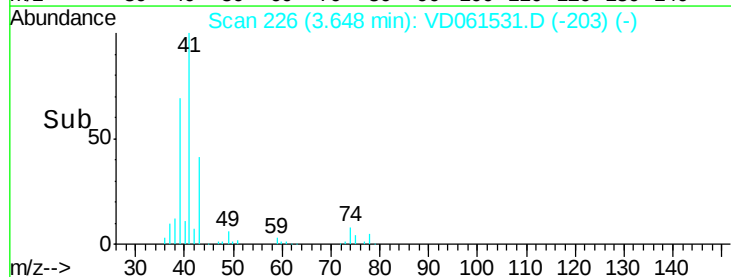
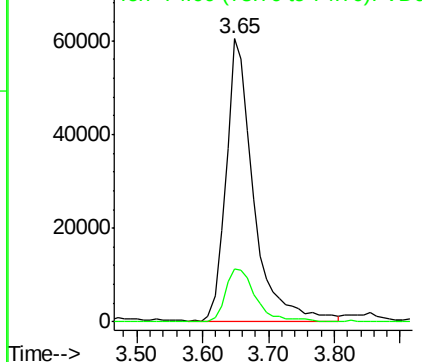


#18
Methyl Acetate
Concen: 62.929 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 43 Resp: 178090
Ion Ratio Lower Upper
43 100
74 18.9 16.7 25.1



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

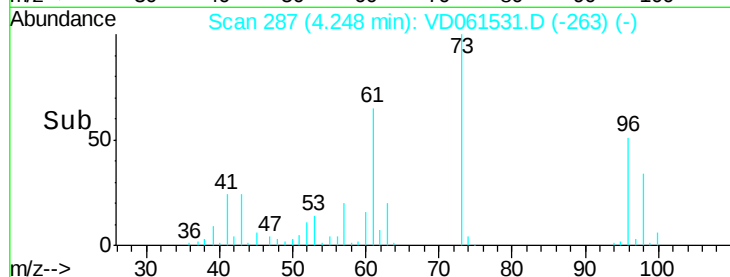
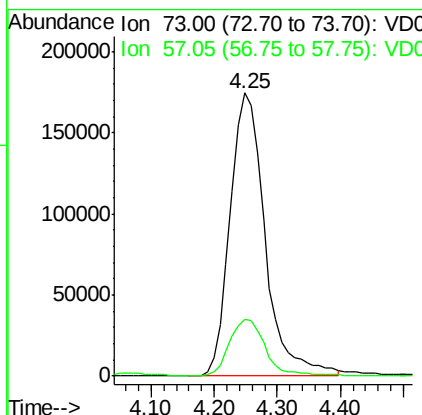
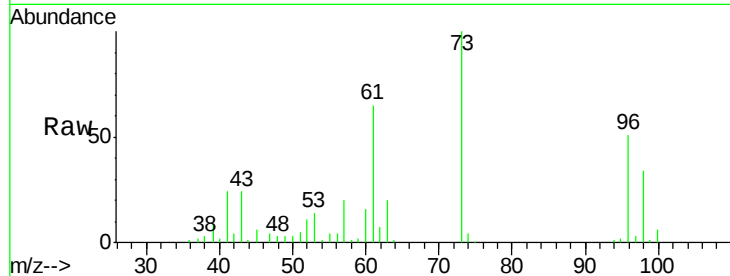




#19
Methyl tert-butyl Ether
Concen: 59.215 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

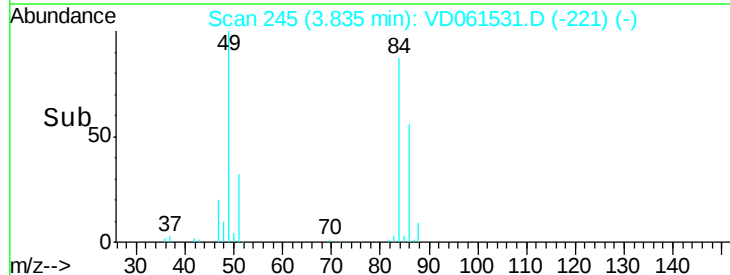
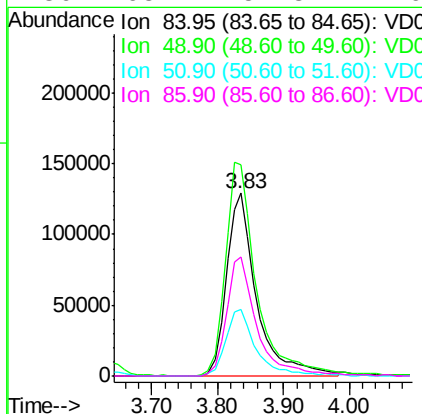
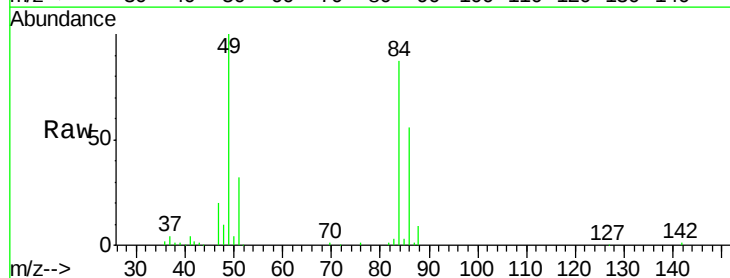
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

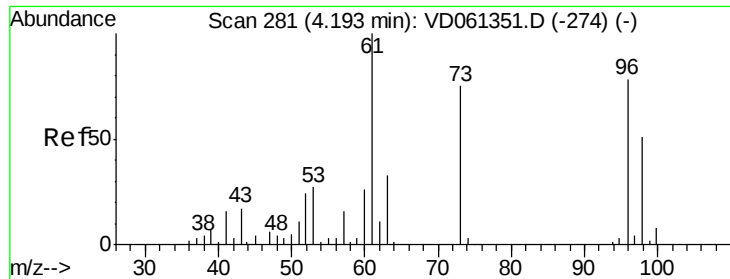
Tot Ion: 73 Resp: 674364
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6



#20
Methylene Chloride
Concen: 54.586 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 84 Resp: 410262
Ion Ratio Lower Upper
84 100
49 115.5 91.8 137.8
51 36.5 29.8 44.8
86 65.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.475 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

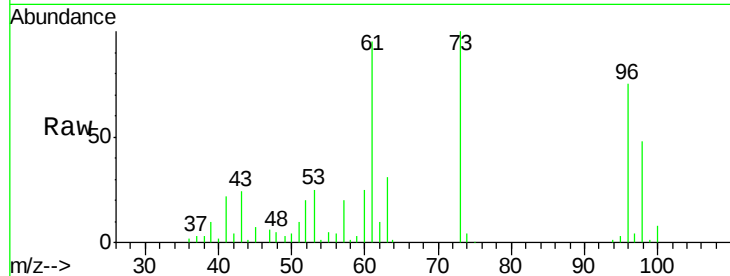
Tot Ion: 96 Resp: 365626

Ion Ratio Lower Upper

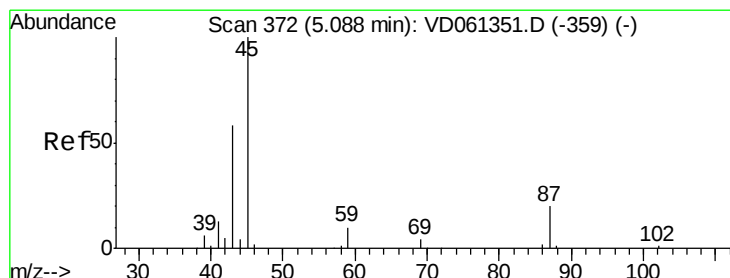
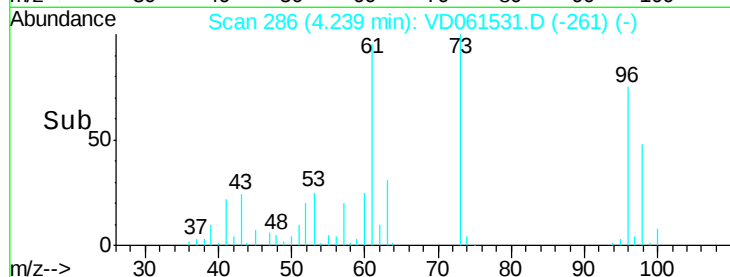
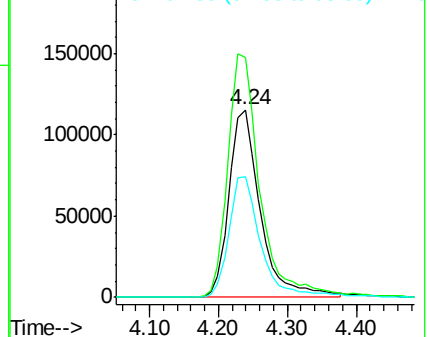
96 100

61 127.6 102.7 154.1

98 64.1 52.2 78.4



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



#22

Diisopropyl ether

Concen: 58.682 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tgt Ion: 45 Resp: 1139518

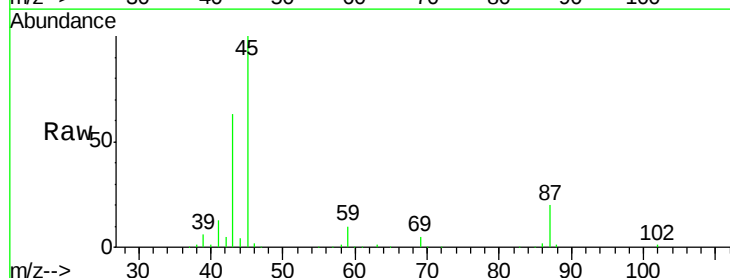
Ion Ratio Lower Upper

45 100

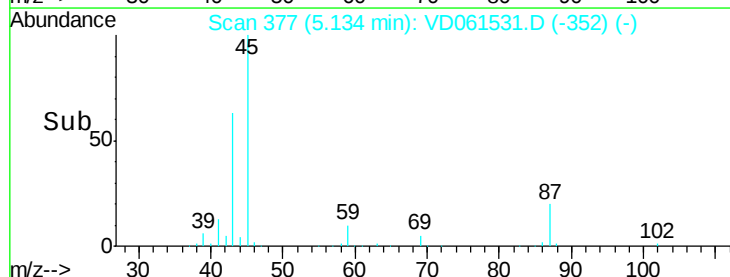
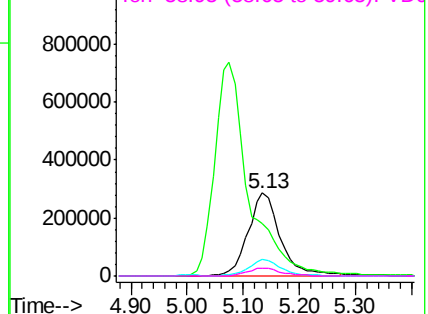
43 62.8 47.4 71.2

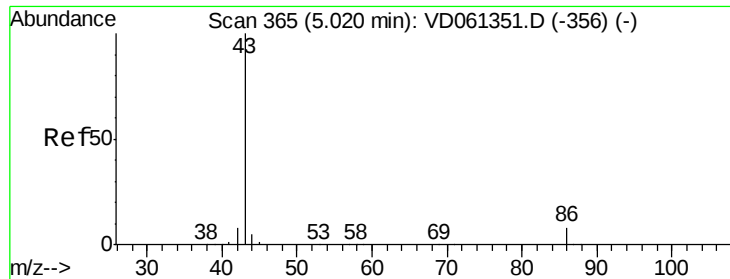
87 20.4 16.3 24.5

59 9.6 8.4 12.6



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





#23

Vinyl Acetate

Concen: 290.941 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.06 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

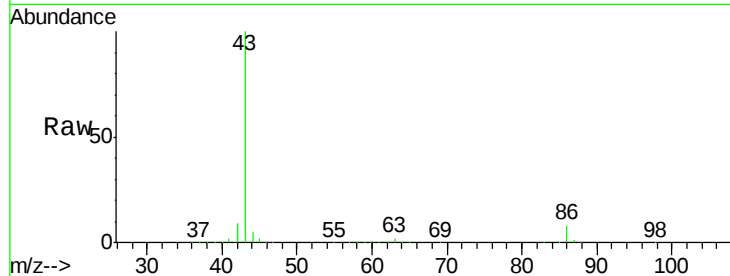
VSTDCCC050EC

Tot Ion: 43 Resp: 3068853

Ion Ratio Lower Upper

43 100

86 8.2 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

800000

600000

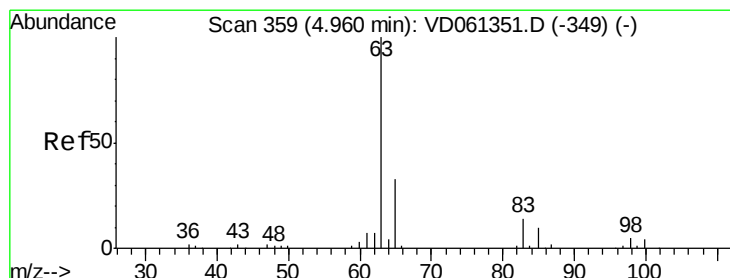
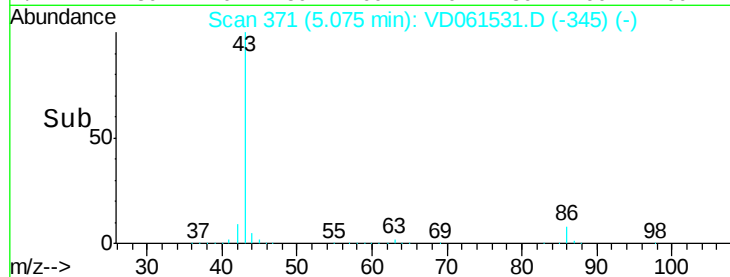
400000

200000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 53.645 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

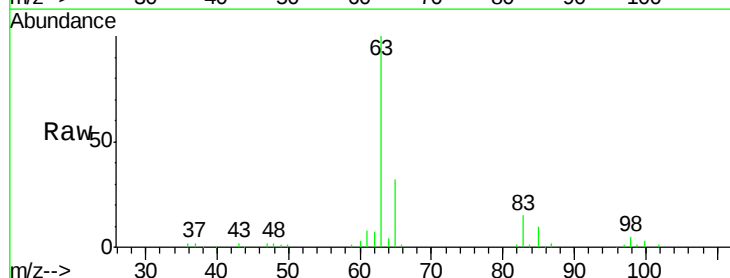
Tgt Ion: 63 Resp: 612203

Ion Ratio Lower Upper

63 100

98 5.1 2.6 8.0

100 3.2 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

200000

150000

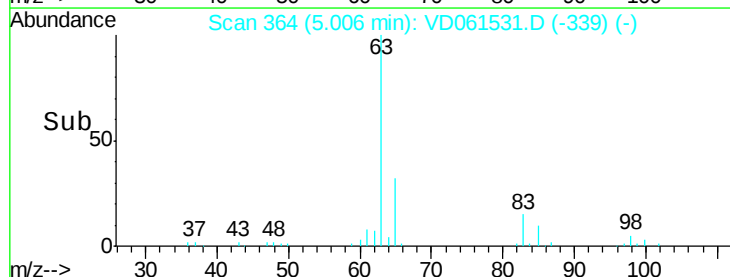
100000

50000

0

Time-->

4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 285.744 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

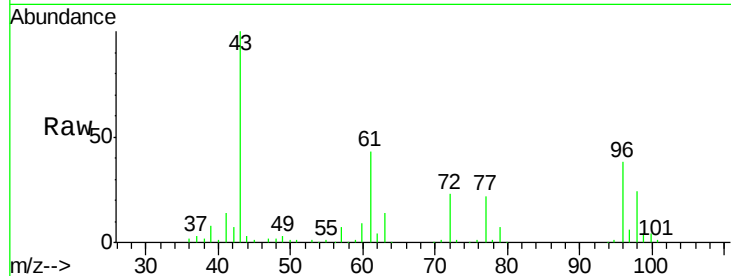
VSTDCCC050EC

Tot Ion: 43 Resp: 483806

Ion Ratio Lower Upper

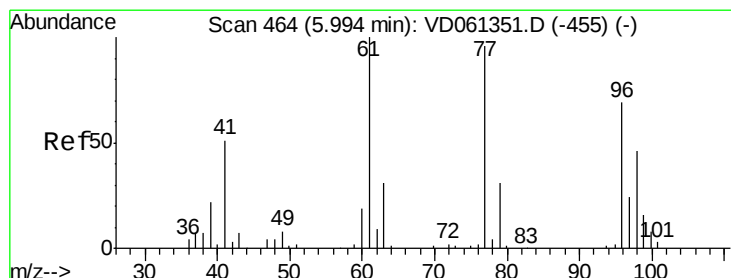
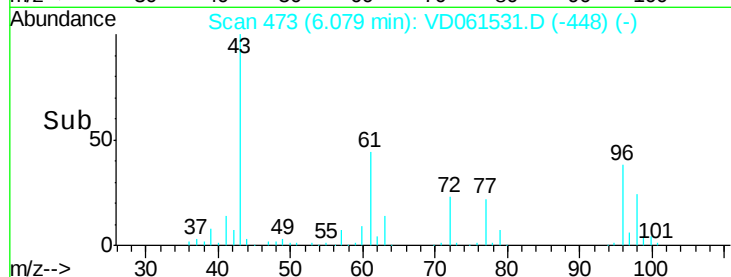
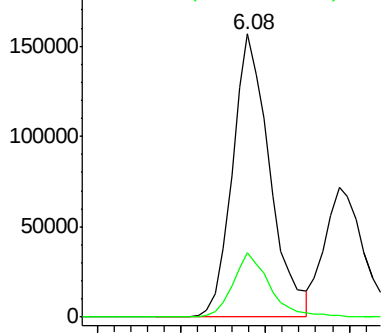
43 100

72 22.6 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.412 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD061531.D

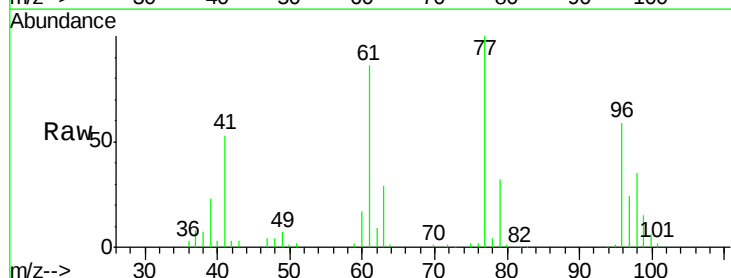
Acq: 2 Apr 2019 23:30

Tgt Ion: 77 Resp: 466402

Ion Ratio Lower Upper

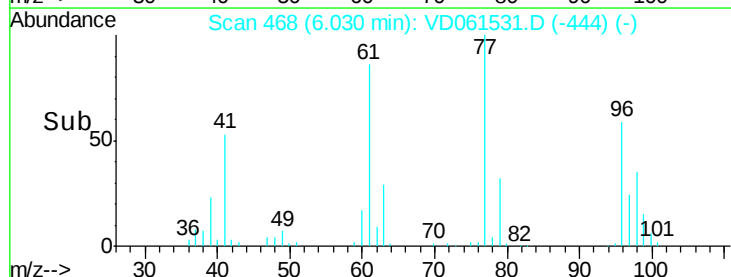
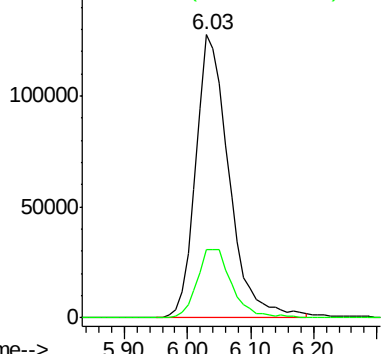
77 100

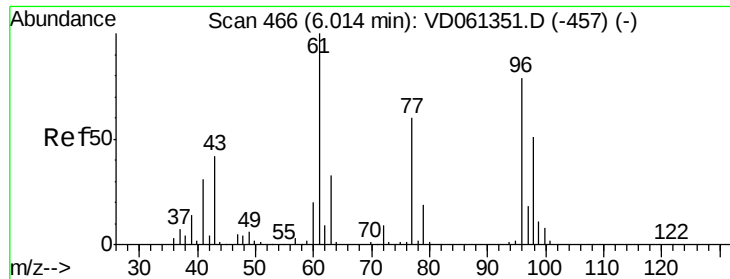
97 24.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



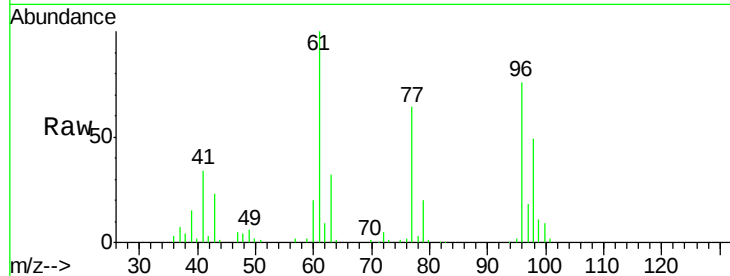


#27

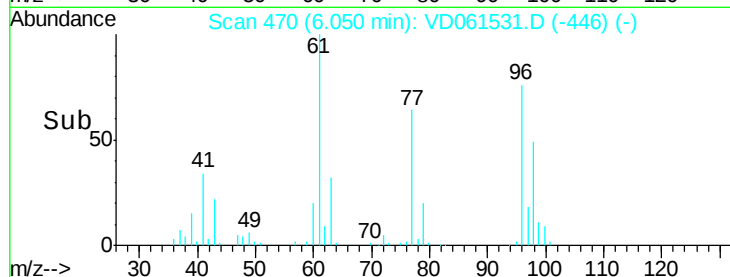
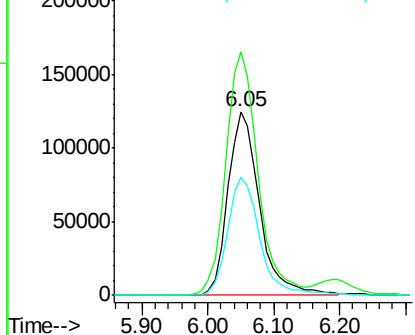
cis-1,2-Dichloroethene
Concen: 54.209 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 421873
Ion Ratio Lower Upper
96 100
61 132.3 0.0 251.6
98 64.3 0.0 129.2



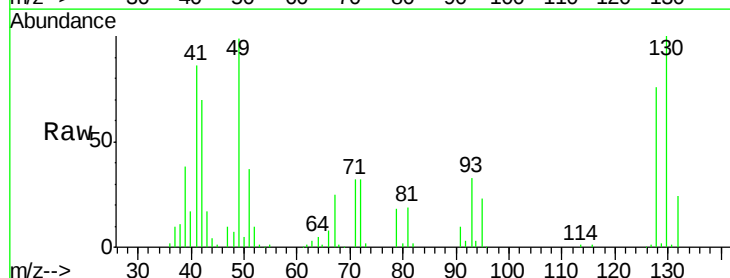
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



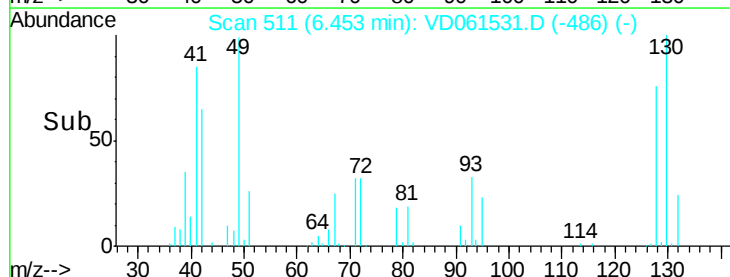
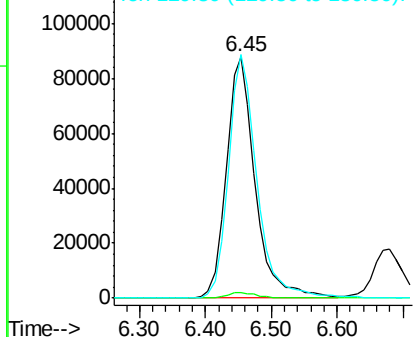
#28

Bromochloromethane
Concen: 58.214 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.05 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 49 Resp: 268173
Ion Ratio Lower Upper
49 100
129 2.5 0.0 0.0#
130 100.9 78.4 117.6



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

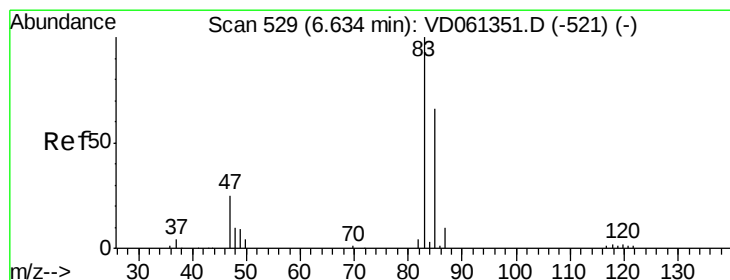
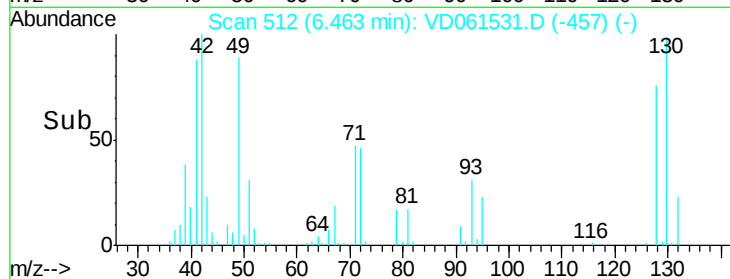
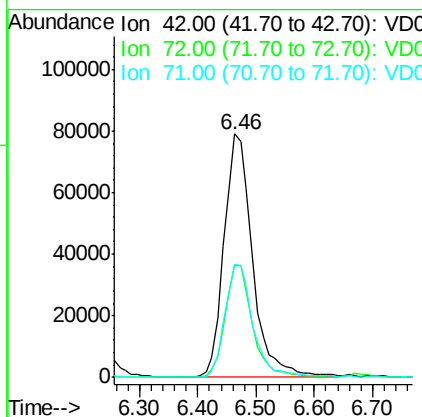
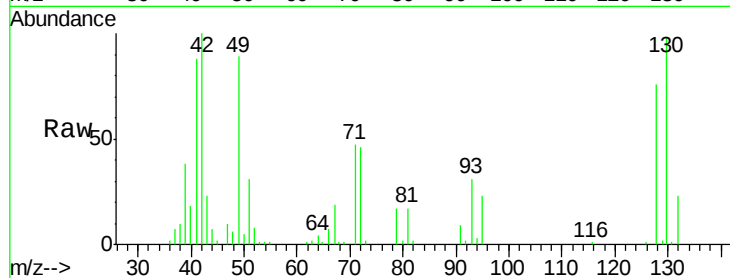




#29
Tetrahydrofuran
Concen: 328.687 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

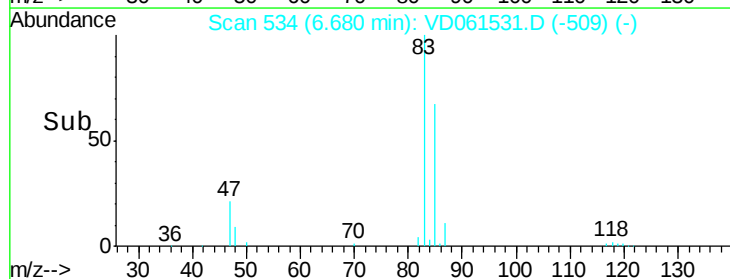
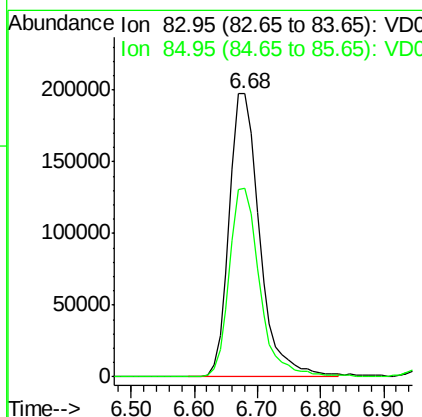
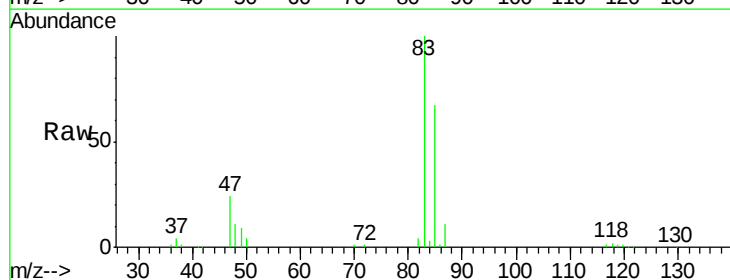
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 269740
Ion Ratio Lower Upper
42 100
72 44.3 37.4 56.0
71 45.6 36.7 55.1



#30
Chloroform
Concen: 55.976 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.05 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 83 Resp: 660054
Ion Ratio Lower Upper
83 100
85 66.7 53.0 79.4





#31

Cyclohexane

Concen: 48.464 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

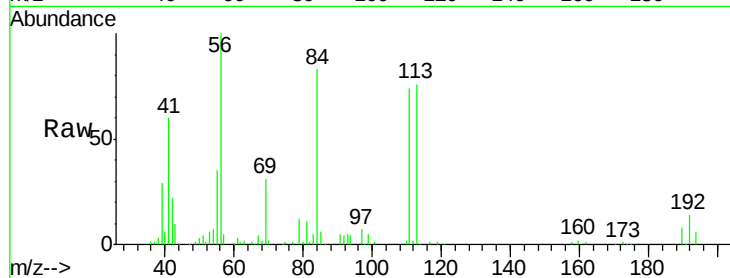
Tot Ion: 56 Resp: 437063

Ion Ratio Lower Upper

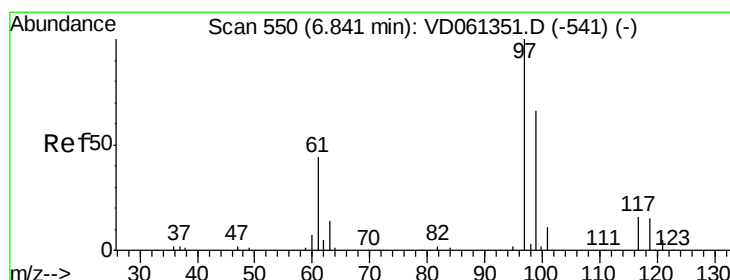
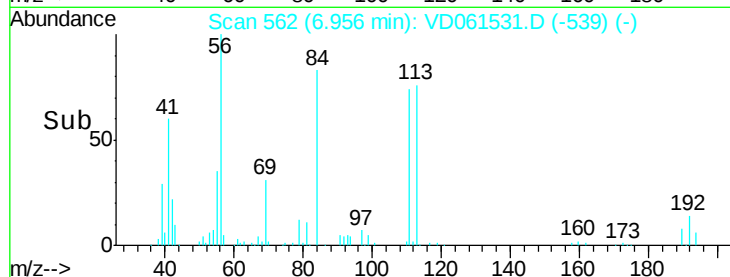
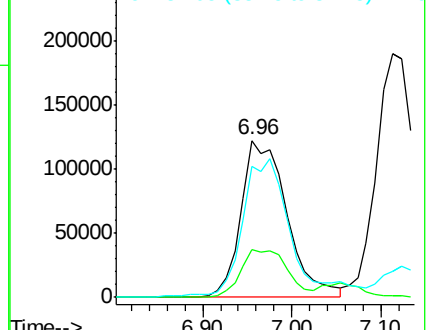
56 100

69 30.9 25.7 38.5

84 83.3 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 54.100 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

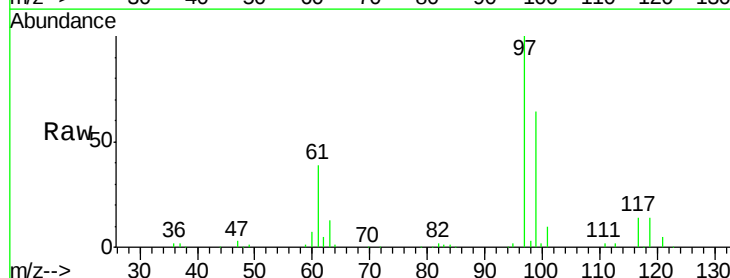
Tgt Ion: 97 Resp: 562795

Ion Ratio Lower Upper

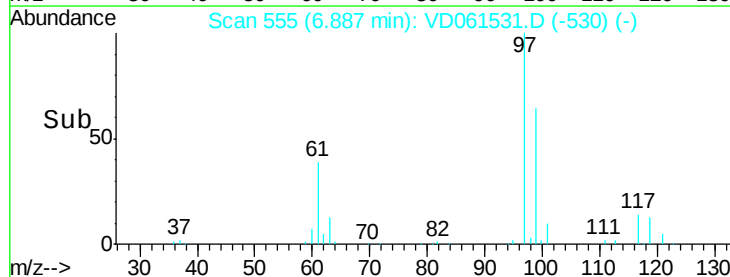
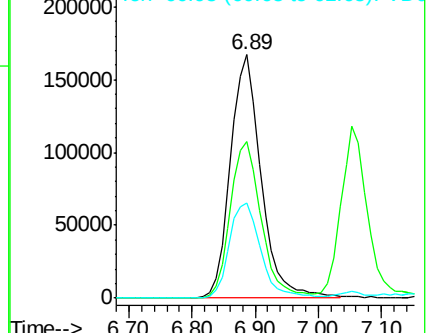
97 100

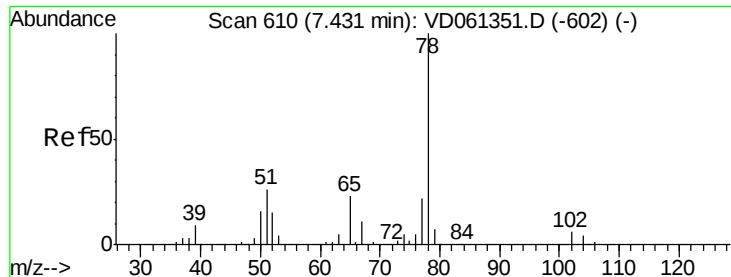
99 64.4 53.1 79.7

61 38.9 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 54.100 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

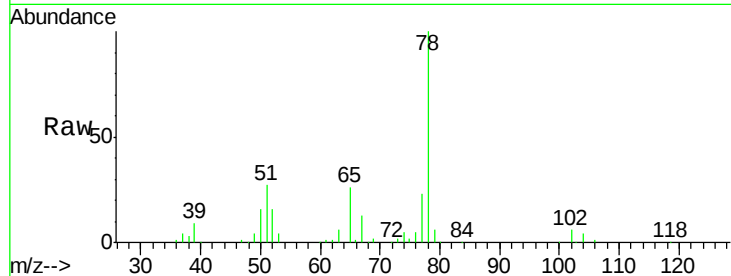
VSTDCCC050EC

Tot Ion: 65 Resp: 304922

Ion Ratio Lower Upper

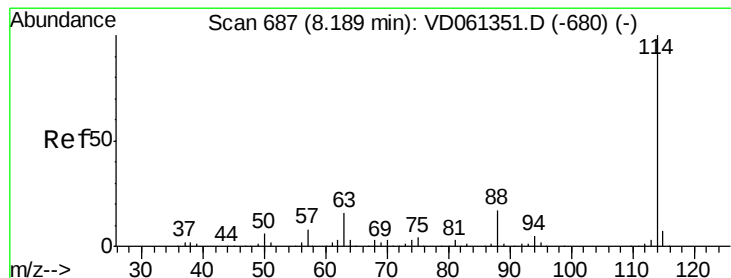
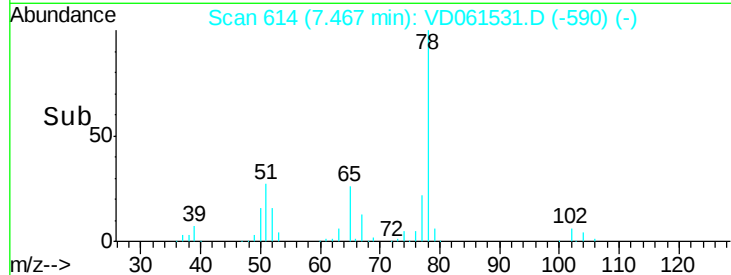
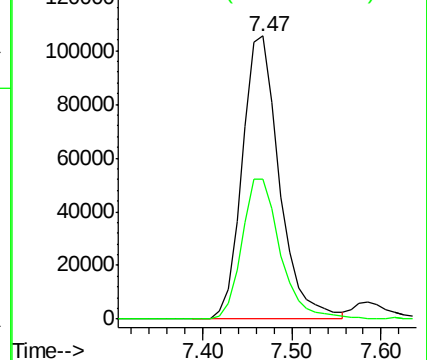
65 100

67 49.3 0.0 99.8



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: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

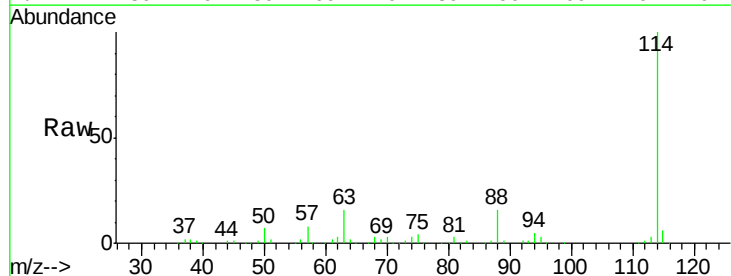
Tgt Ion: 114 Resp: 1066946

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.6

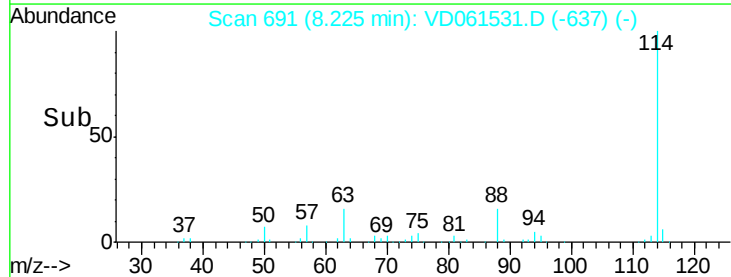
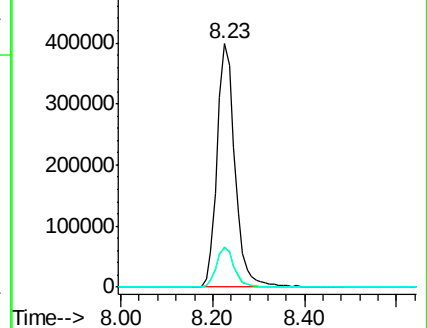
88 16.1 0.0 33.4

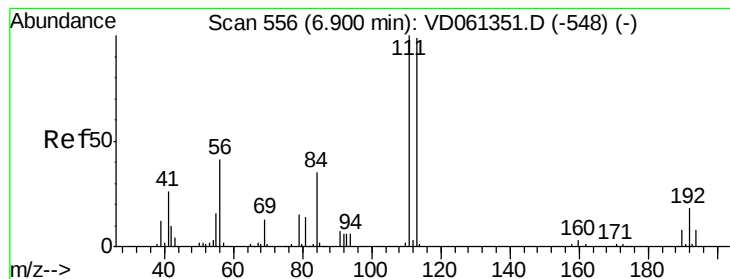


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

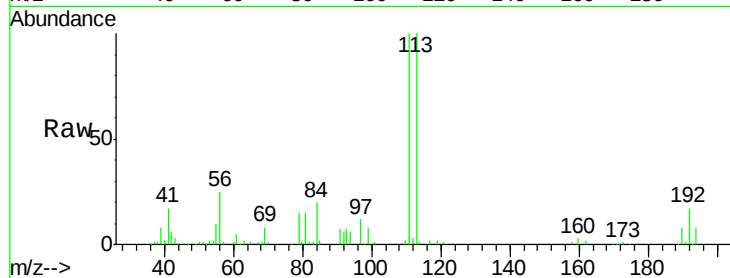
Tot Ion:113 Resp: 448326

Ion Ratio Lower Upper

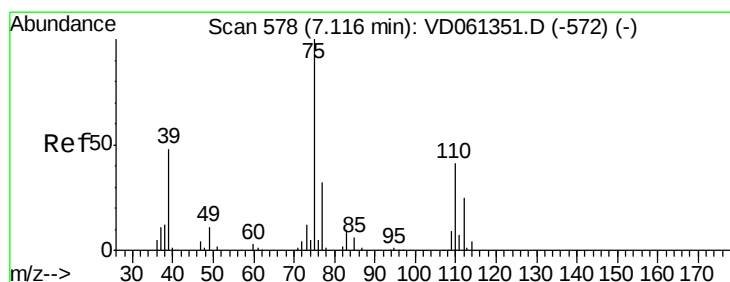
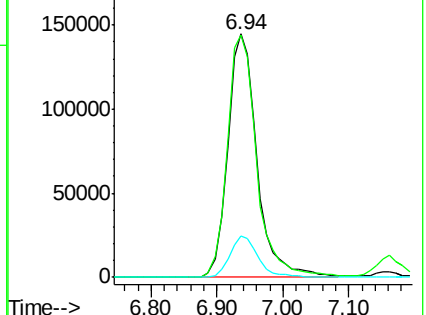
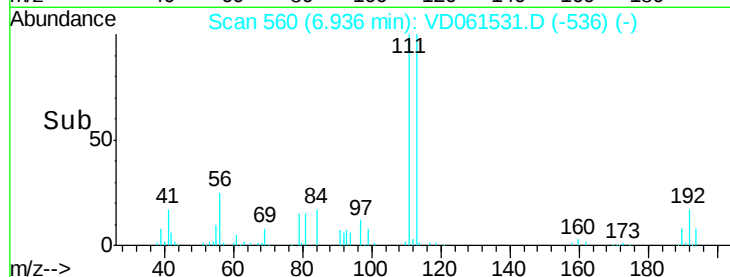
113 100

111 99.6 81.0 121.6

192 17.1 14.4 21.6



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



#36

1,1-Dichloropropene

Concen: 50.114 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

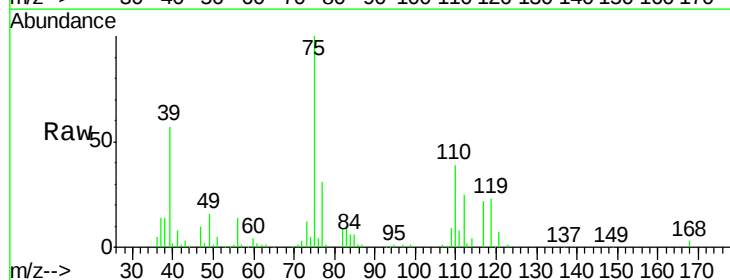
Tgt Ion: 75 Resp: 466663

Ion Ratio Lower Upper

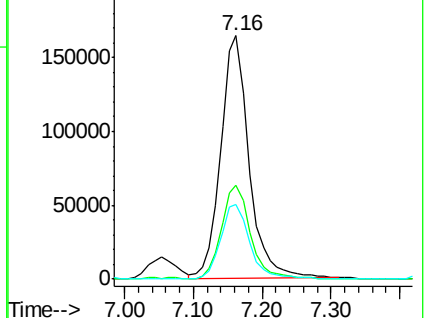
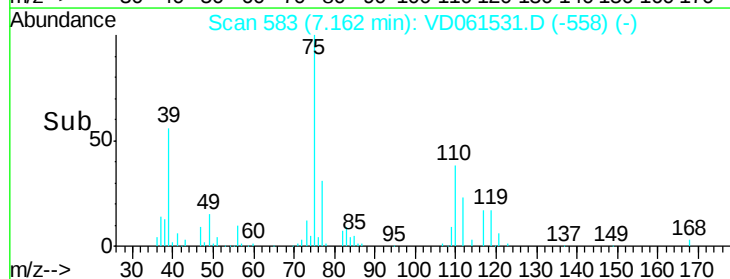
75 100

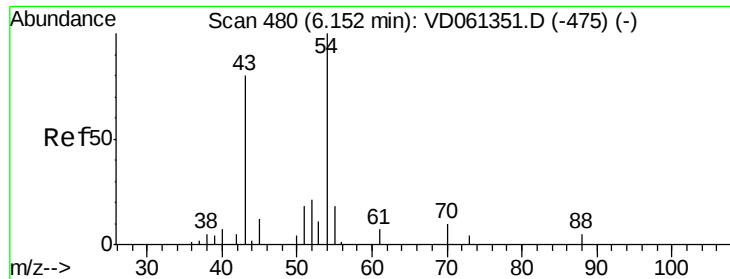
110 38.6 20.4 61.3

77 30.8 24.9 37.3



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

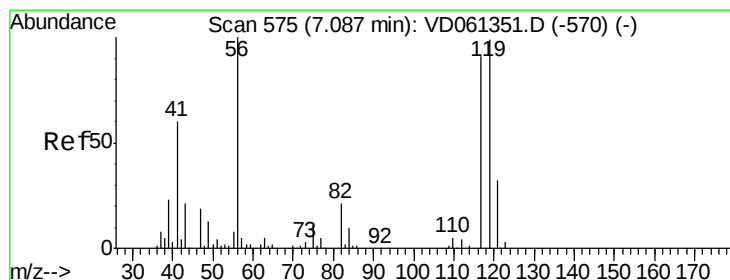
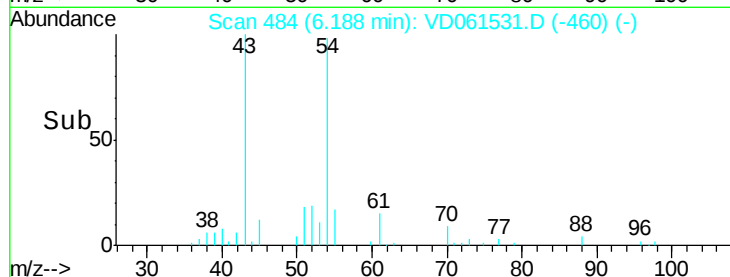
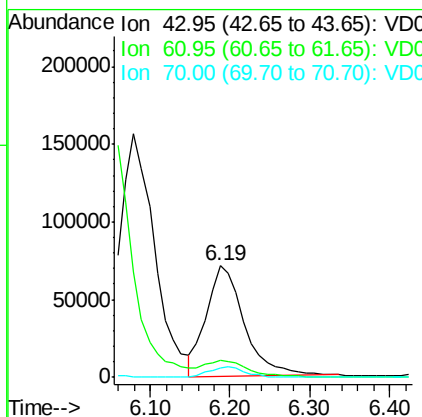
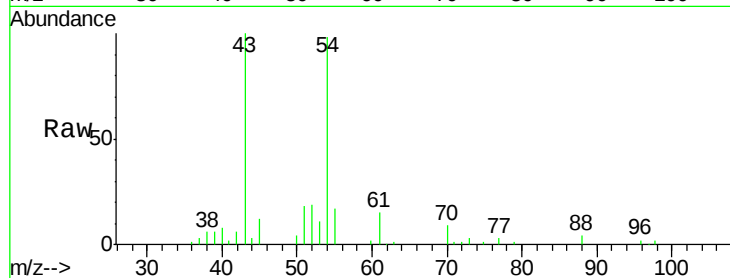




#37
Ethyl Acetate
Concen: 59.185 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

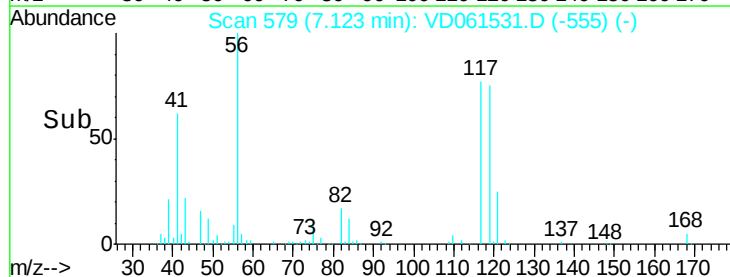
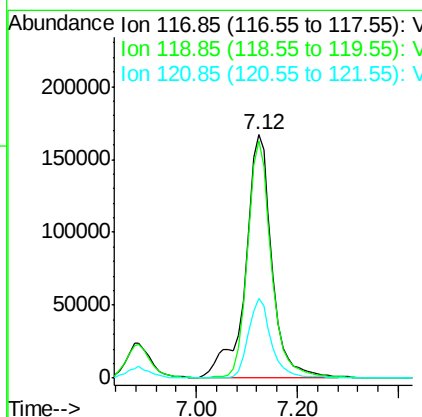
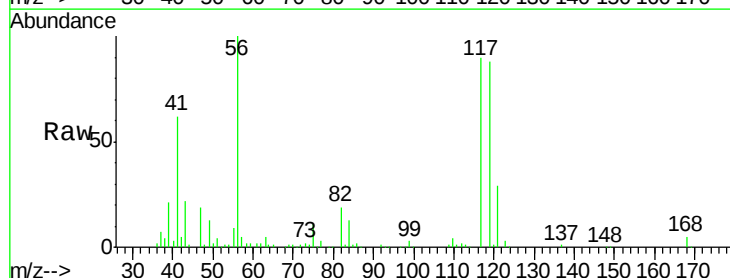
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 235707
Ion Ratio Lower Upper
43 100
61 15.0 13.8 20.8
70 8.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 56.754 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 117 Resp: 607296
Ion Ratio Lower Upper
117 100
119 97.5 80.1 120.1
121 32.7 25.6 38.4





#39

Methvlcvclohexane

Concen: 52.105 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

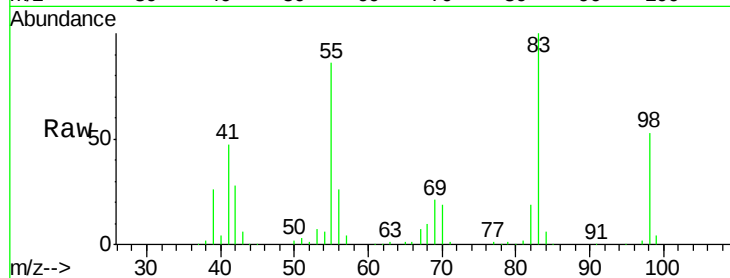
Tot Ion: 83 Resp: 505333

Ion Ratio Lower Upper

83 100

55 85.9 71.5 107.3

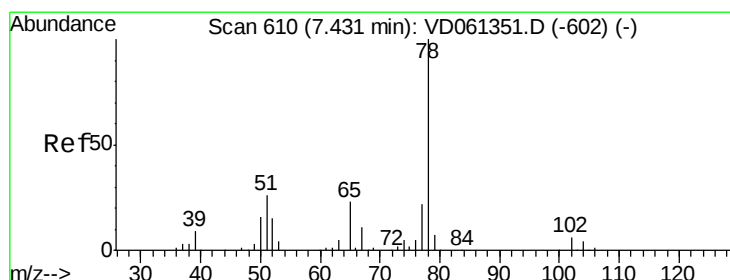
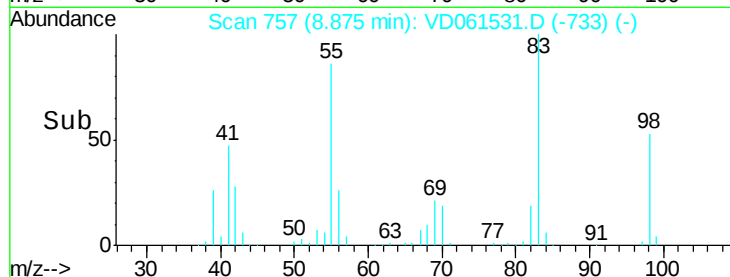
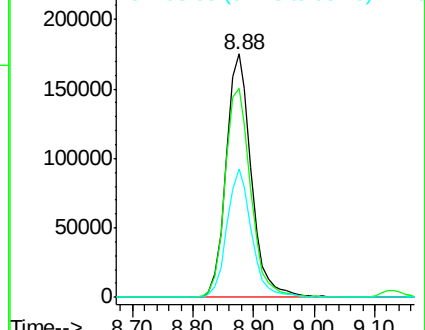
98 52.8 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.969 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061531.D

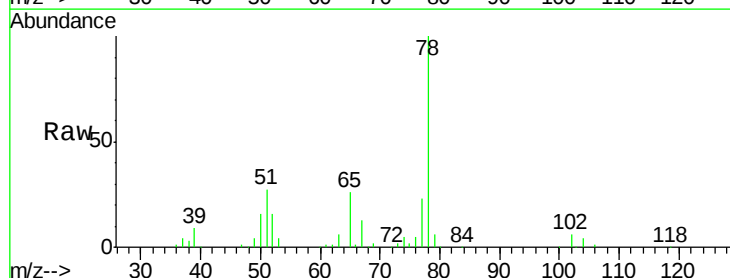
Acq: 2 Apr 2019 23:30

Tgt Ion: 78 Resp: 1214557

Ion Ratio Lower Upper

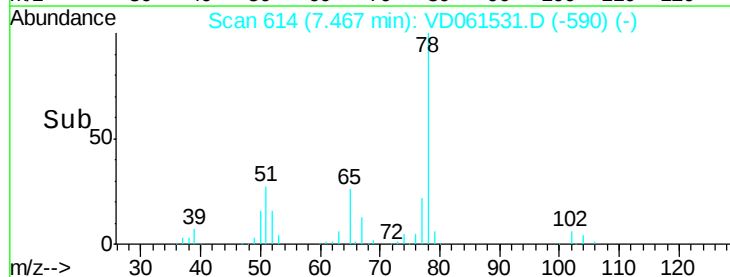
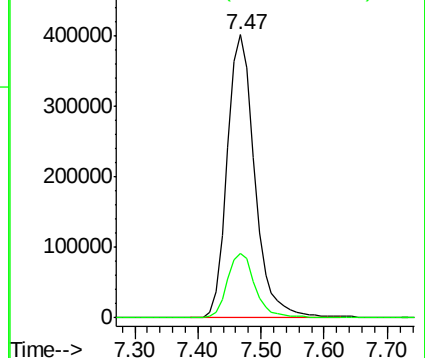
78 100

77 22.9 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

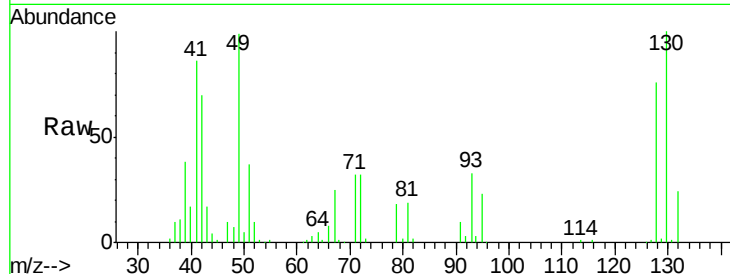




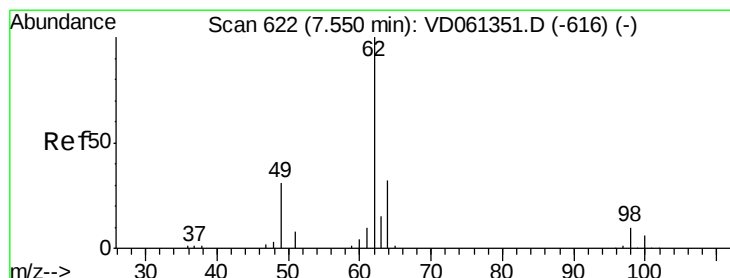
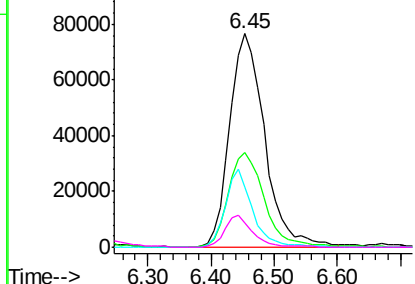
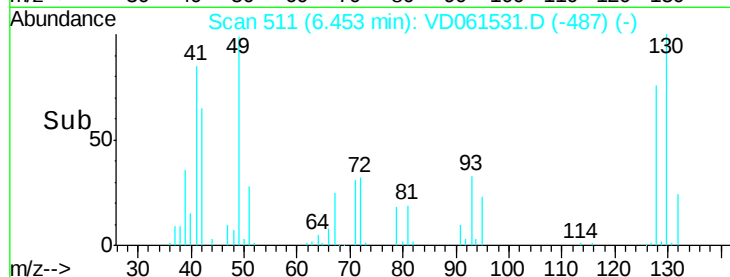
#41
Methacrylonitrile
Concen: 63.478 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 295590
Ion Ratio Lower Upper
41 100
39 44.2 35.0 52.6
67 28.4 21.0 31.6
52 11.4 7.7 11.5

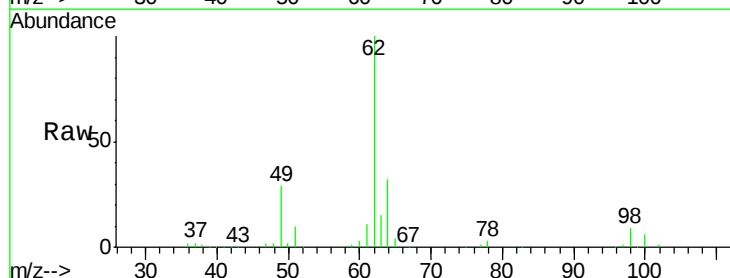


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

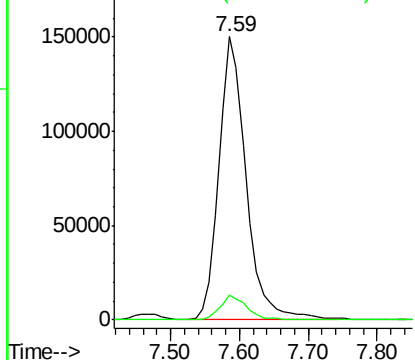
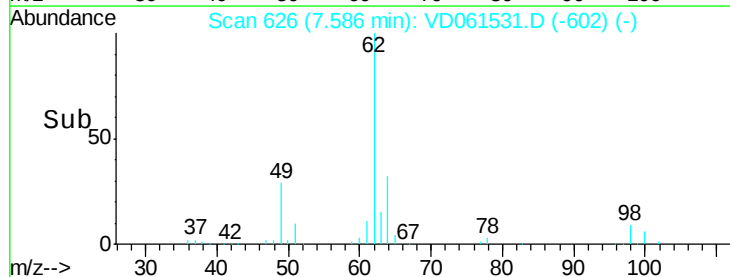


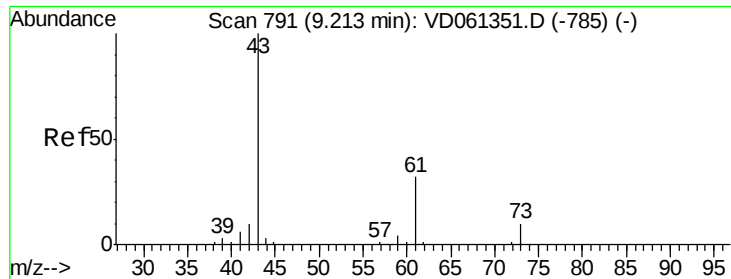
#42
1,2-Dichloroethane
Concen: 58.864 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 62 Resp: 411503
Ion Ratio Lower Upper
62 100
98 8.9 0.0 19.8



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



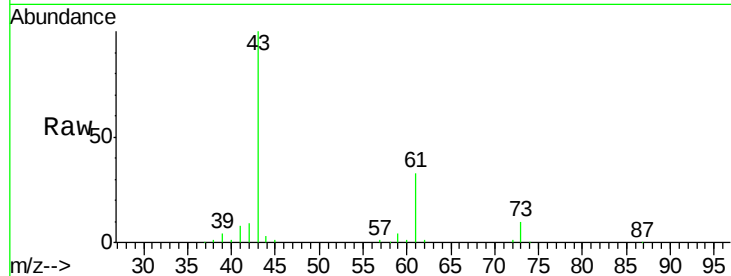


#43

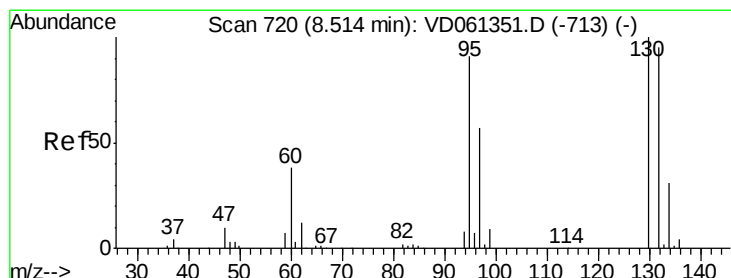
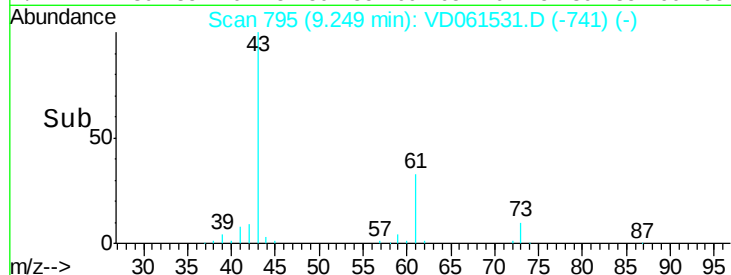
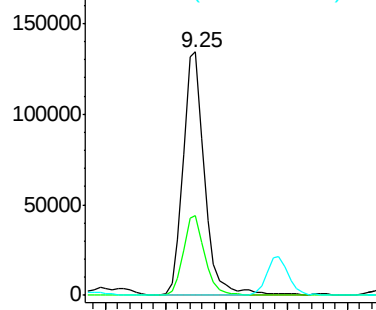
Isopropyl Acetate
 Concen: 56.700 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 328551
 Ion Ratio Lower Upper
 43 100
 61 32.6 25.8 38.6
 87 0.3 0.0 0.0#



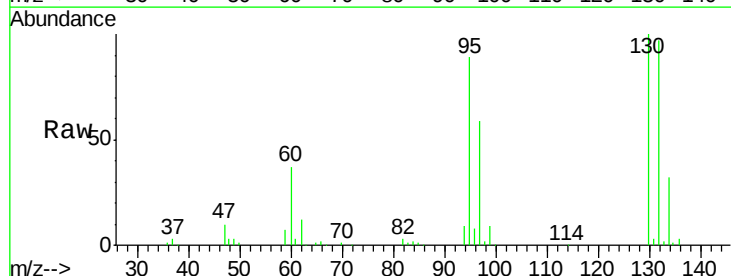
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



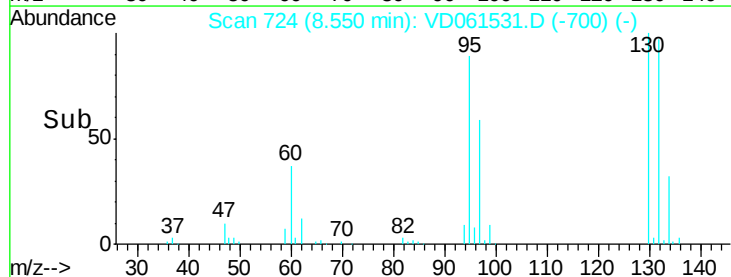
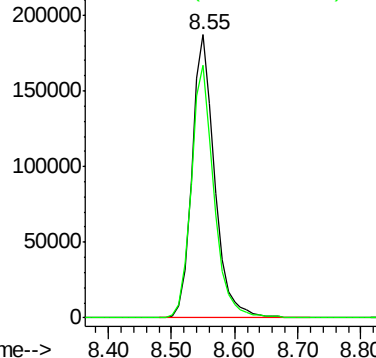
#44

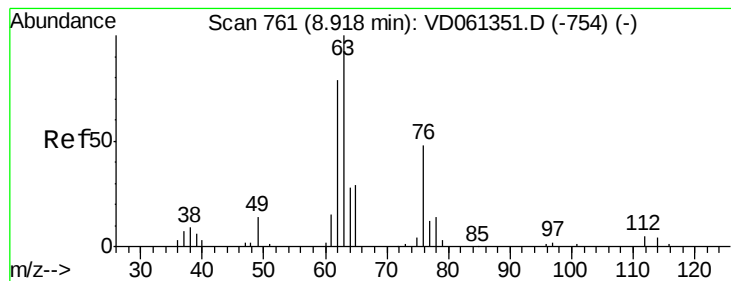
Trichloroethene
 Concen: 53.709 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 130 Resp: 467127
 Ion Ratio Lower Upper
 130 100
 95 89.4 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 58.326 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

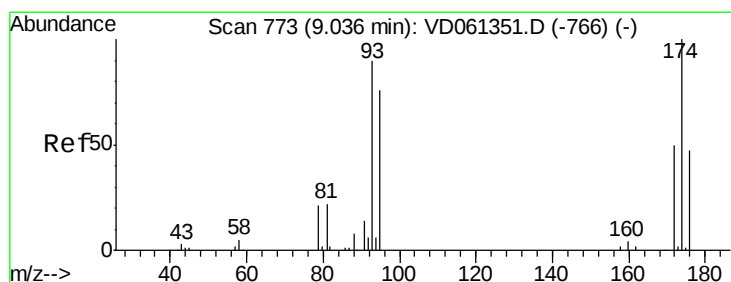
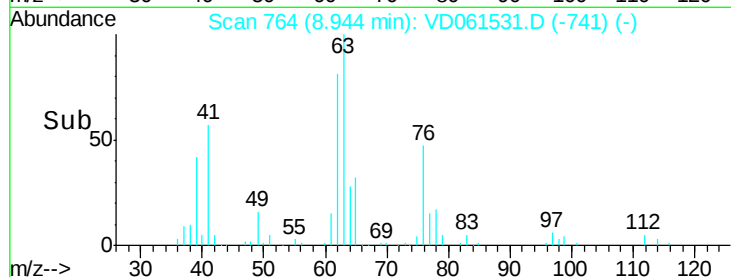
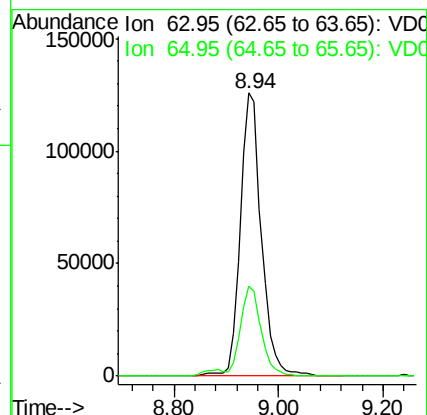
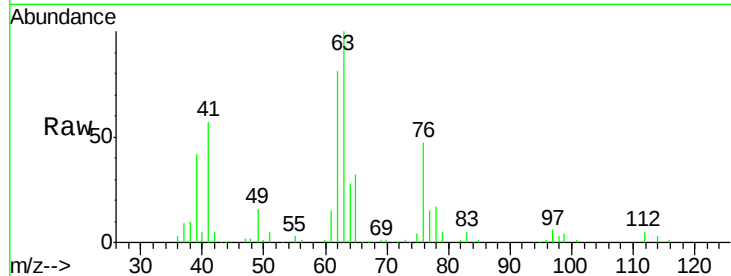
VSTDCCC050EC

Tot Ion: 63 Resp: 345645

Ion Ratio Lower Upper

63 100

65 31.8 25.0 37.4



#46

Dibromomethane

Concen: 57.327 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

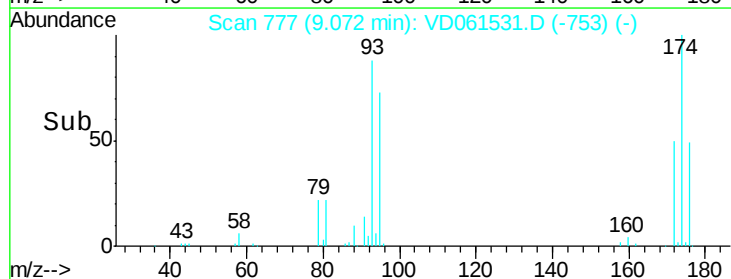
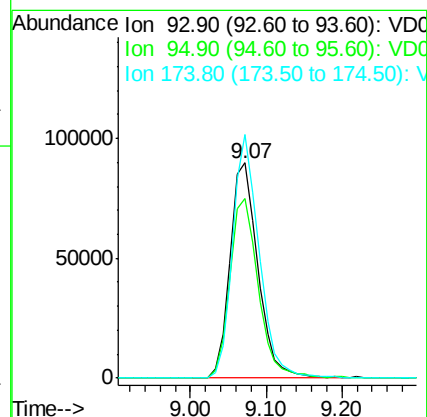
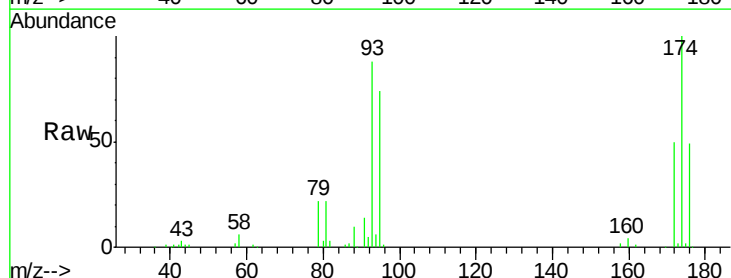
Tgt Ion: 93 Resp: 228662

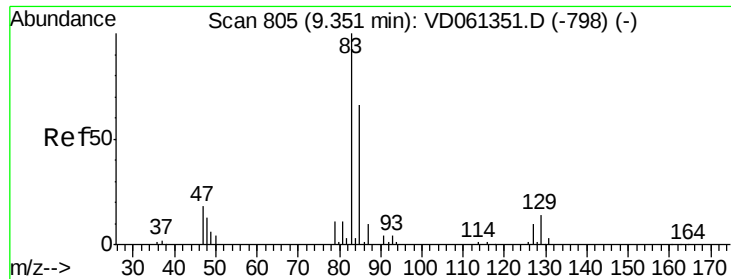
Ion Ratio Lower Upper

93 100

95 83.6 67.4 101.0

174 113.3 88.9 133.3





#47

Bromodichloromethane

Concen: 58.471 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

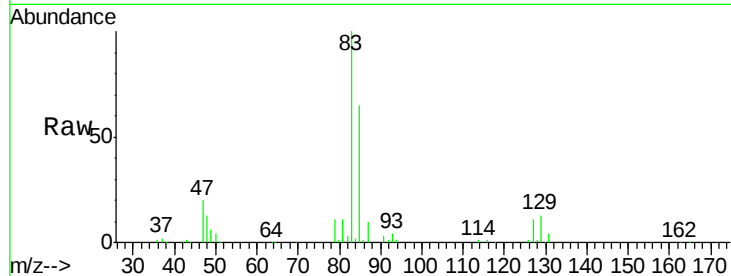
Tot Ion: 83 Resp: 523460

Ion Ratio Lower Upper

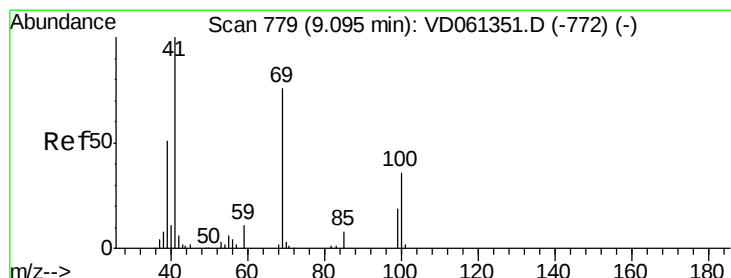
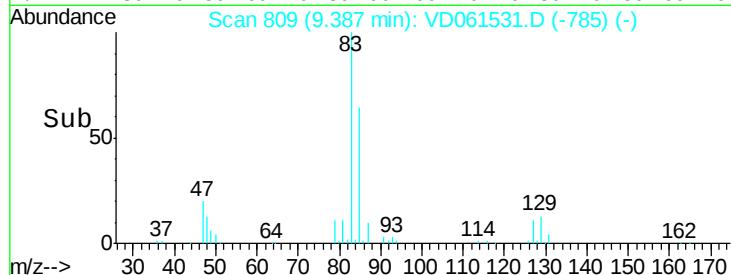
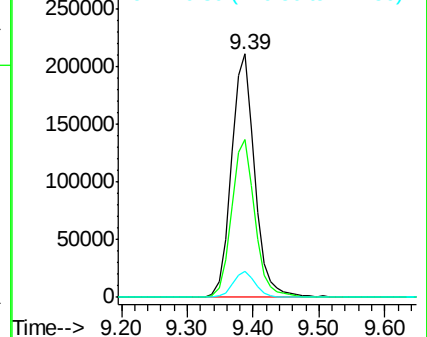
83 100

85 64.8 53.0 79.4

127 10.6 8.4 12.6



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



#48

Methyl methacrylate

Concen: 62.363 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

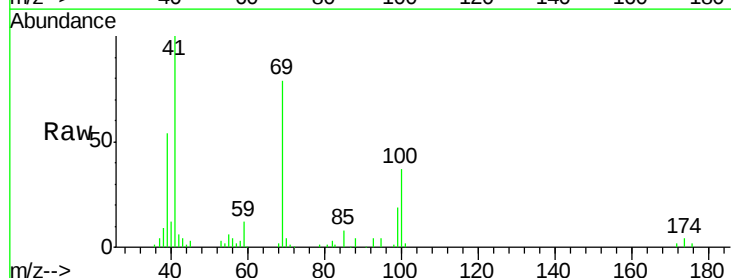
Tgt Ion: 41 Resp: 199432

Ion Ratio Lower Upper

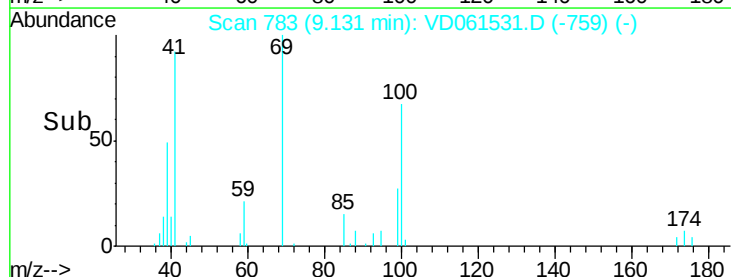
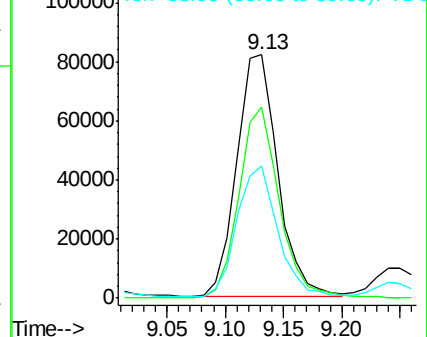
41 100

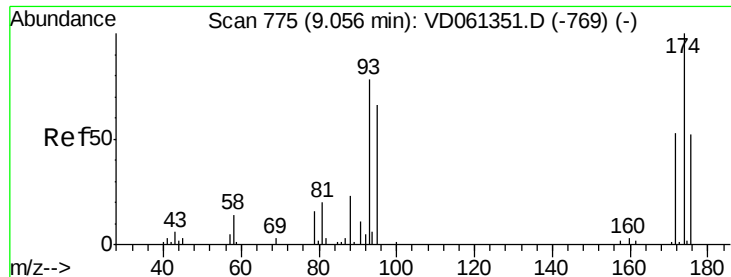
69 78.7 60.2 90.4

39 54.1 41.4 62.2



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

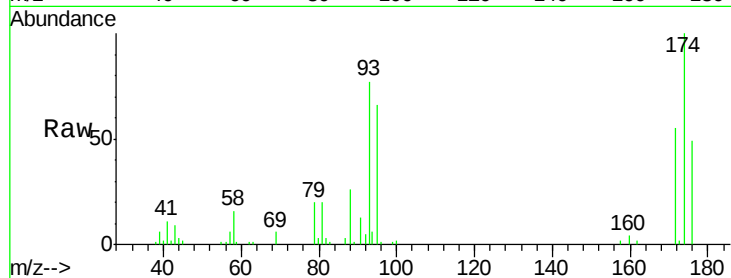




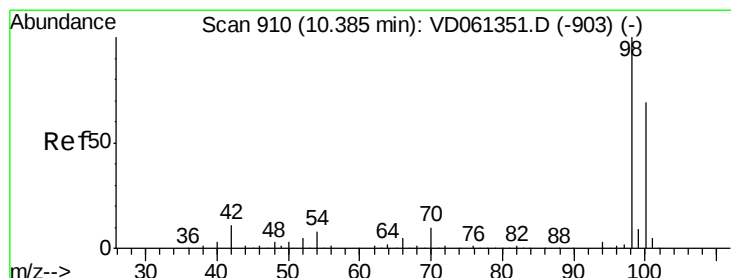
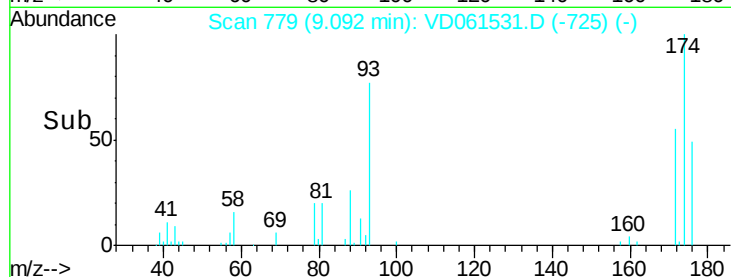
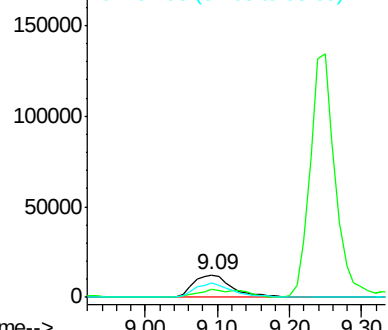
#49
1,4-Dioxane
Concen: 1303.838 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 45990
Ion Ratio Lower Upper
88 100
43 33.3 23.3 34.9
58 61.5 50.8 76.2

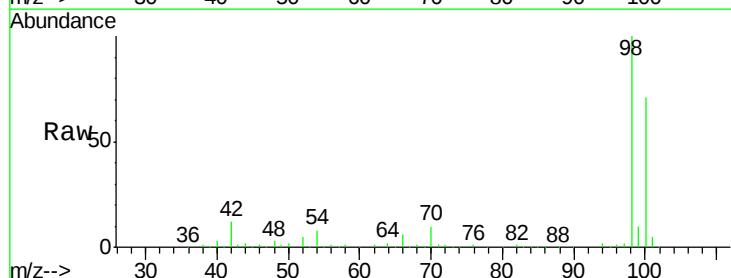


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

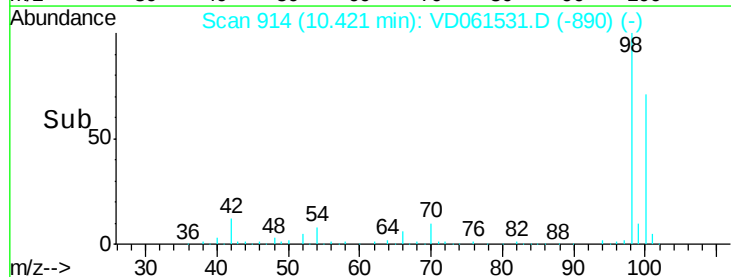
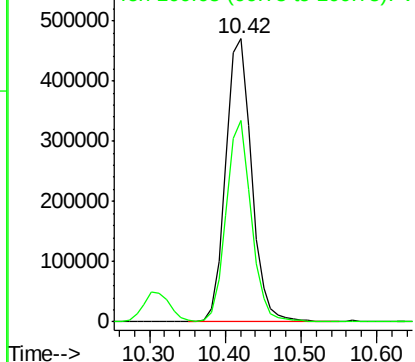


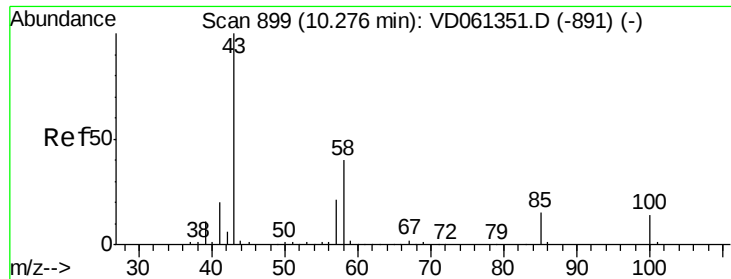
#50
Toluene-d8
Concen: 1303.838 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 98 Resp: 1109711
Ion Ratio Lower Upper
98 100
100 71.0 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 287.044 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

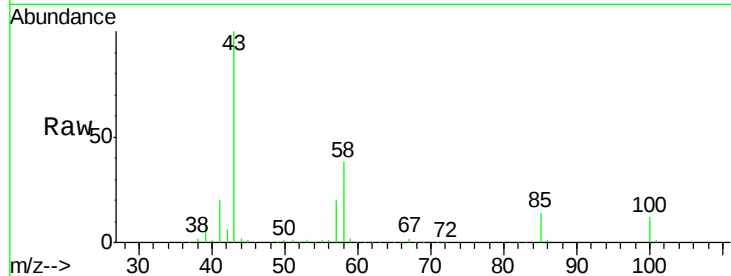
VSTDCCC050EC

Tot Ion: 43 Resp: 1011927

Ion Ratio Lower Upper

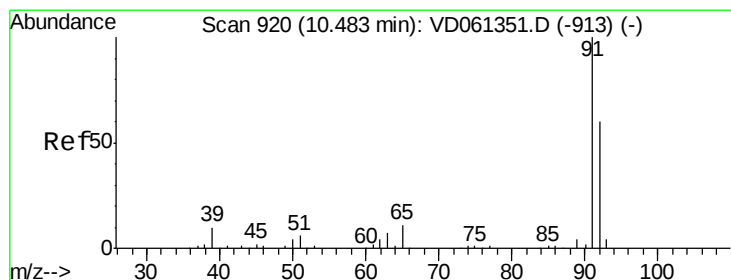
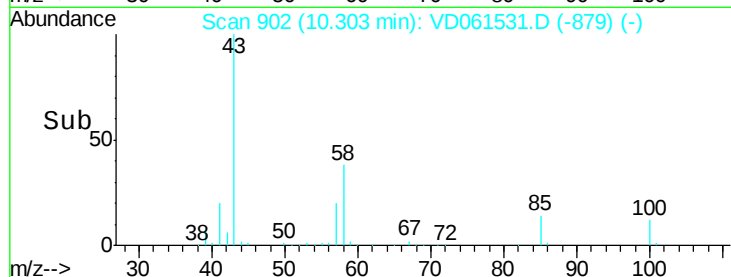
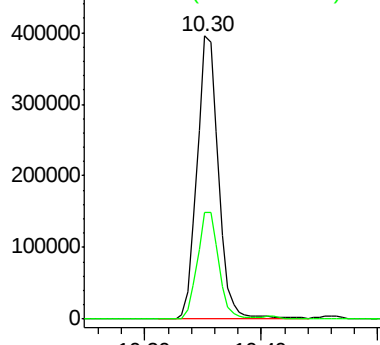
43 100

58 37.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.908 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061531.D

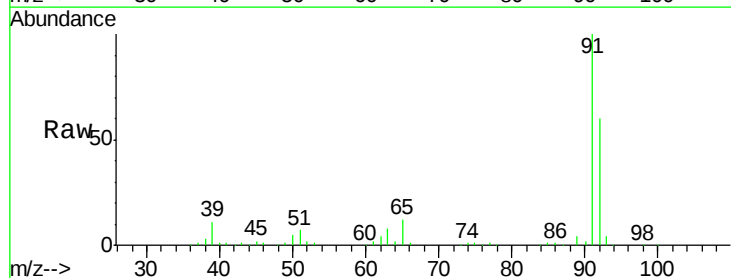
Acq: 2 Apr 2019 23:30

Tgt Ion: 92 Resp: 711583

Ion Ratio Lower Upper

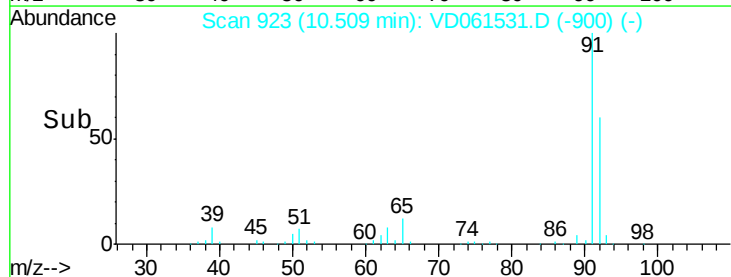
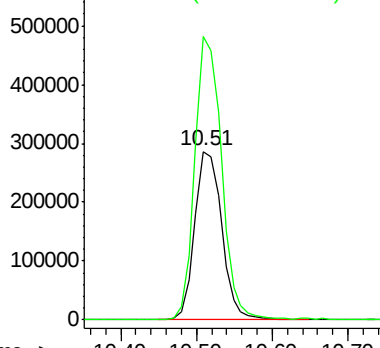
92 100

91 167.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

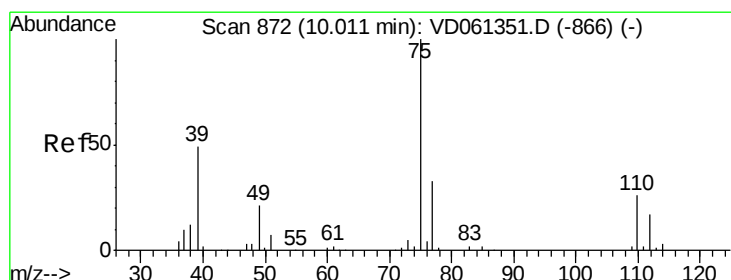
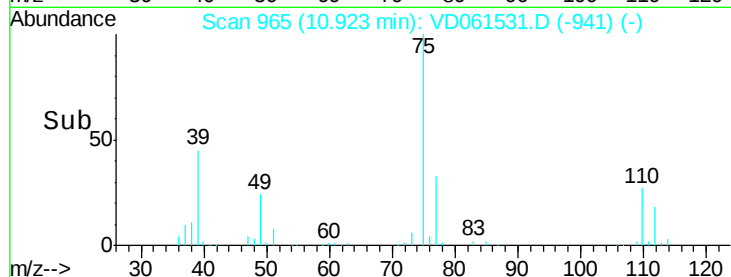
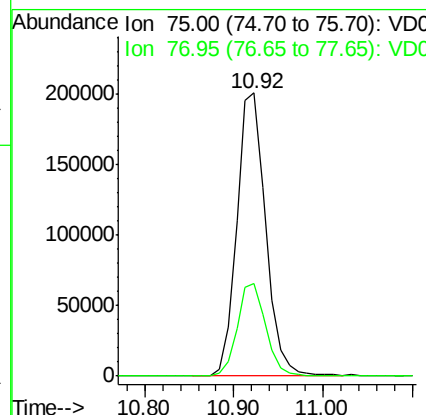
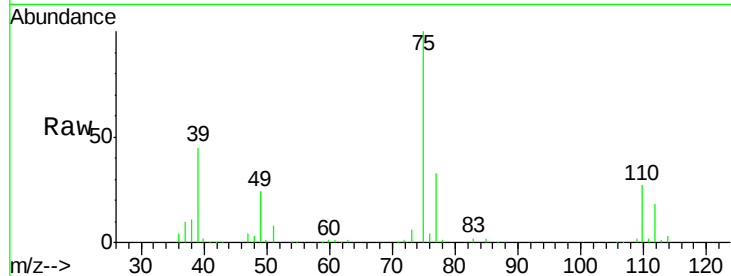




#53
 t-1,3-Dichloropropene
 Concen: 55.728 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

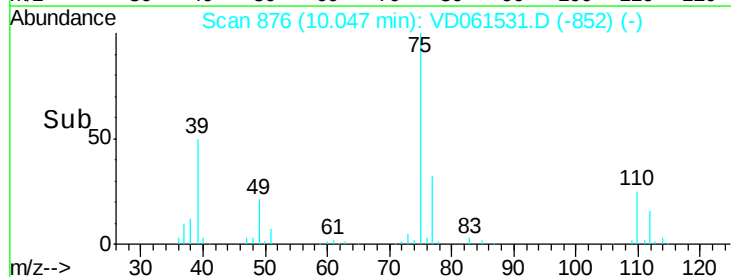
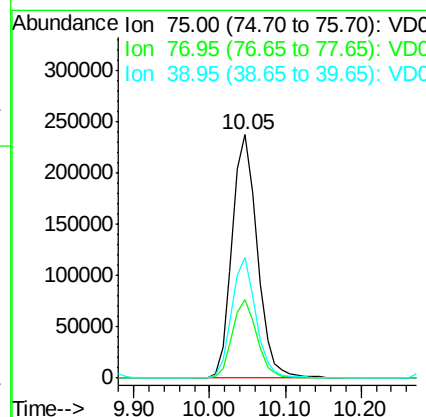
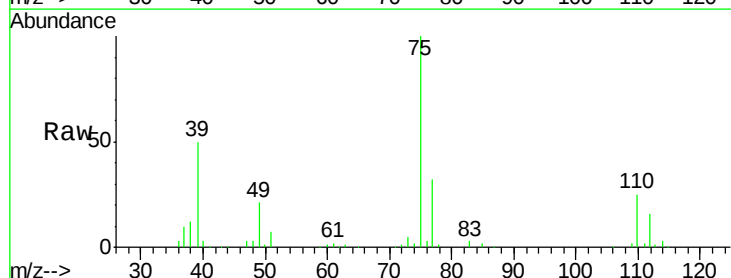
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

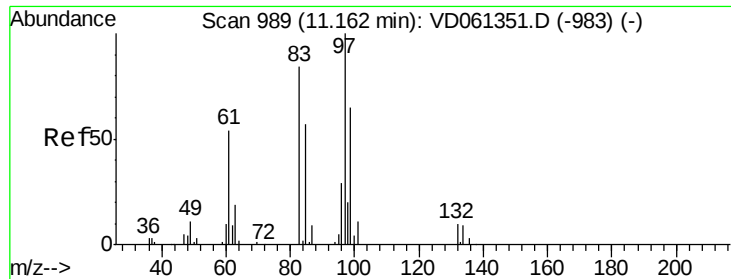
Tot Ion: 75 Resp: 453279
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 55.198 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 75 Resp: 546689
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.4
 39 49.8 39.4 59.0

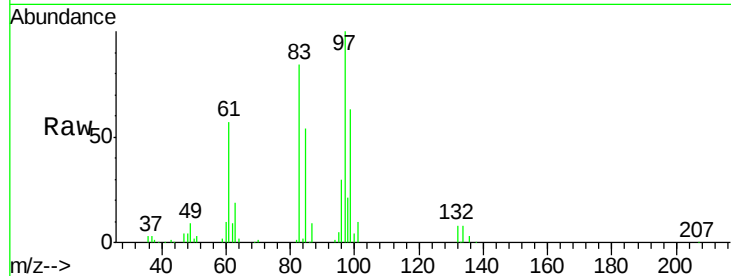




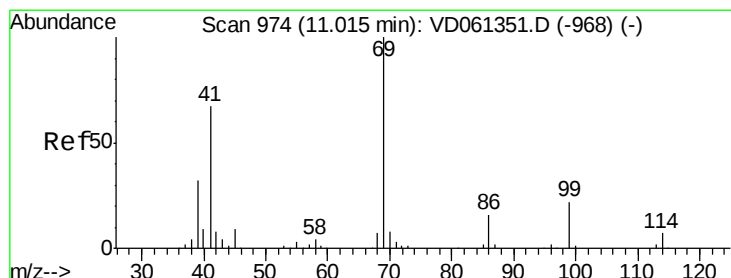
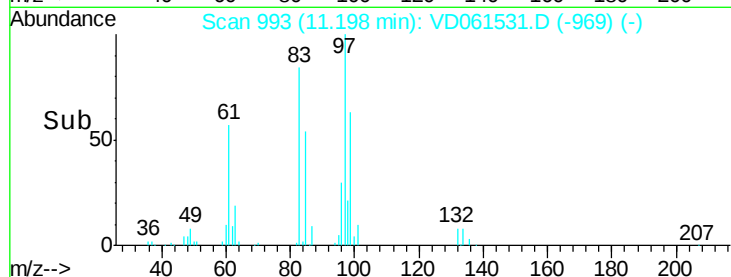
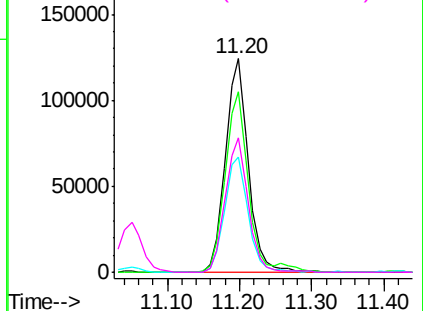
#55
 1,1,2-Trichloroethane
 Concen: 54.733 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	272913
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.0	100.6
85	53.9	45.4	68.2
99	63.1	51.9	77.9

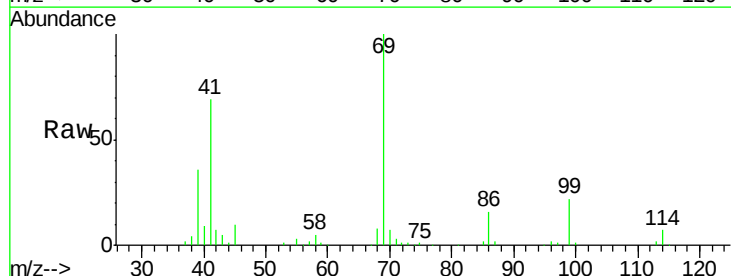


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

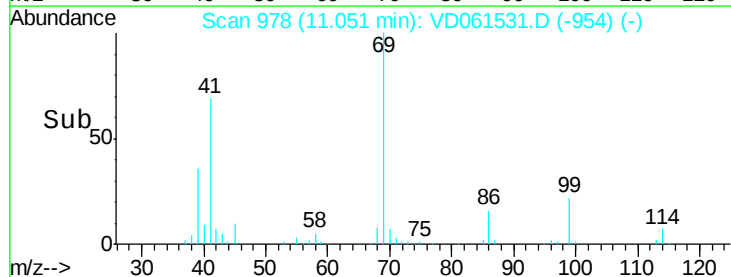
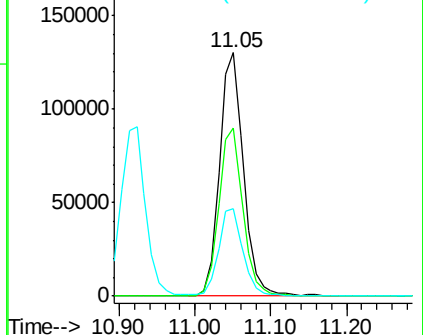


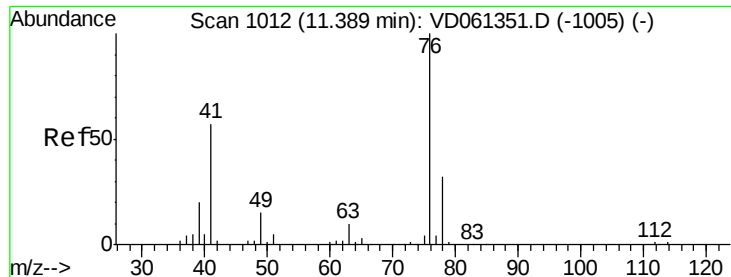
#56
 Ethyl methacrylate
 Concen: 53.353 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion:	69	Resp:	285792
Ion	Ratio	Lower	Upper
69	100		
41	69.0	53.8	80.6
39	36.0	26.4	39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

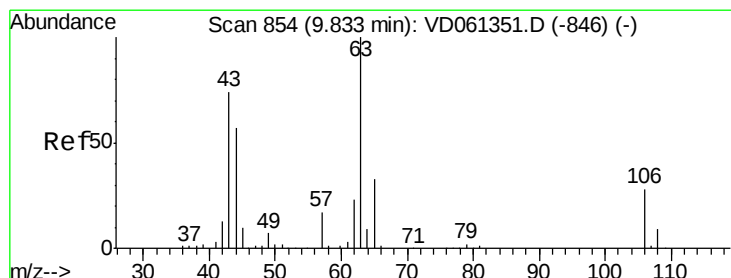
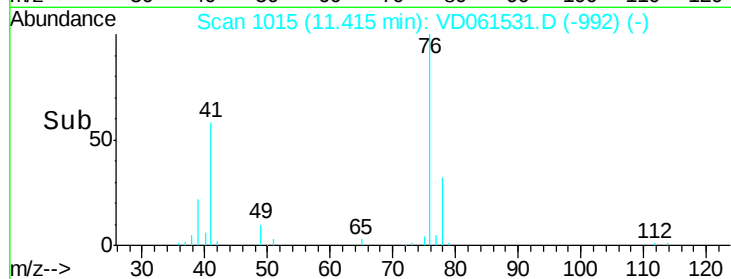
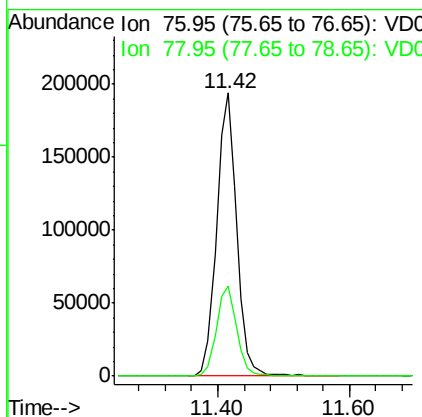
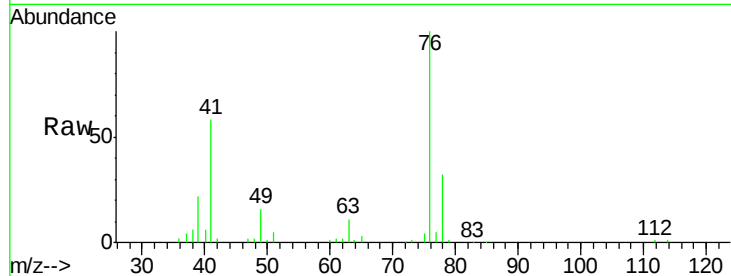




#57
 1,3-Dichloropropane
 Concen: 55.367 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

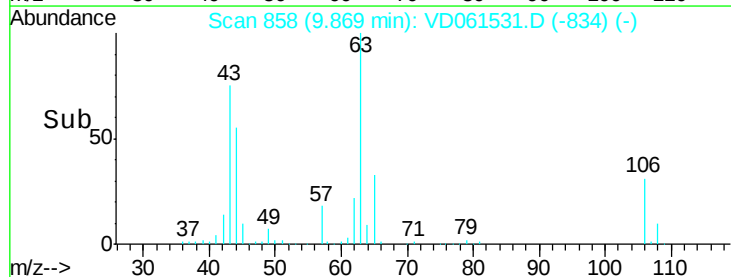
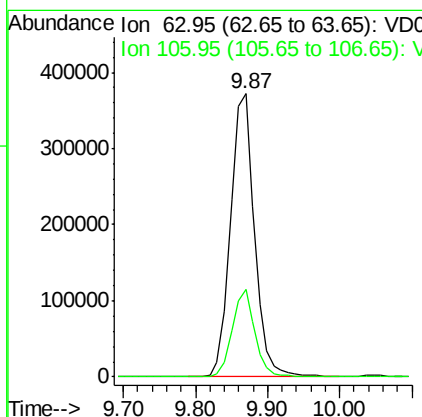
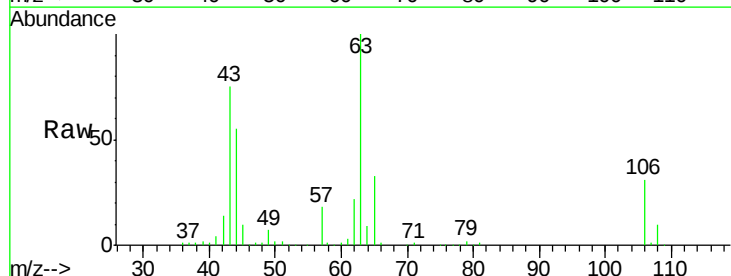
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 405777
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 331.935 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 63 Resp: 865898
 Ion Ratio Lower Upper
 63 100
 106 31.0 22.4 33.6

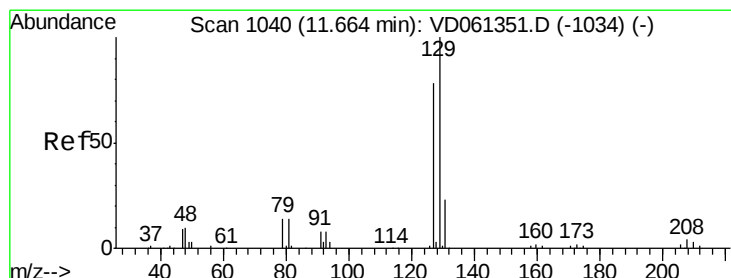
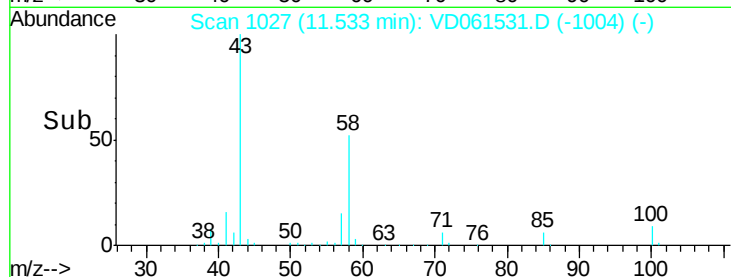
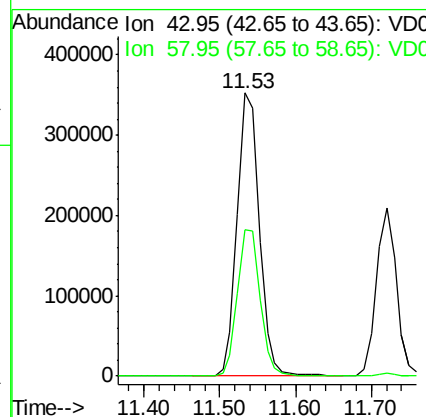
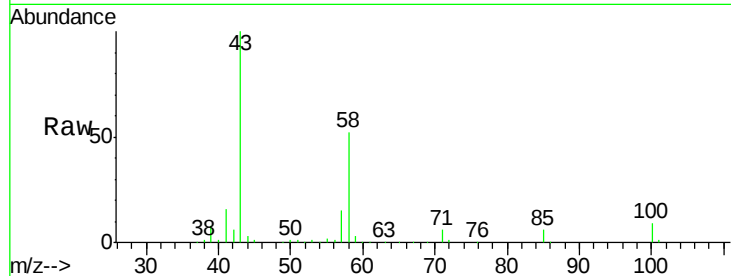




#59
2-Hexanone
Concen: 280.173 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

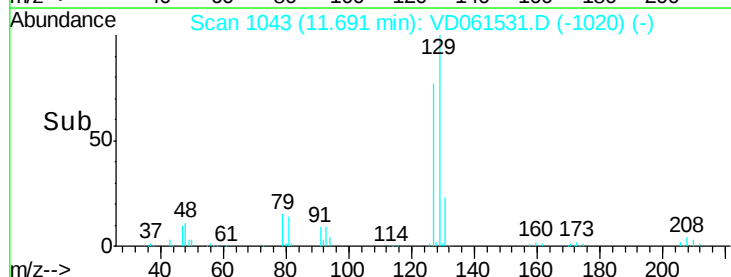
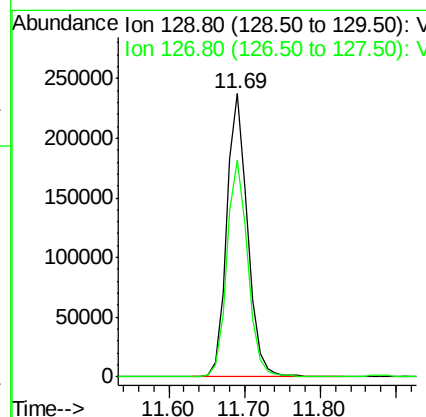
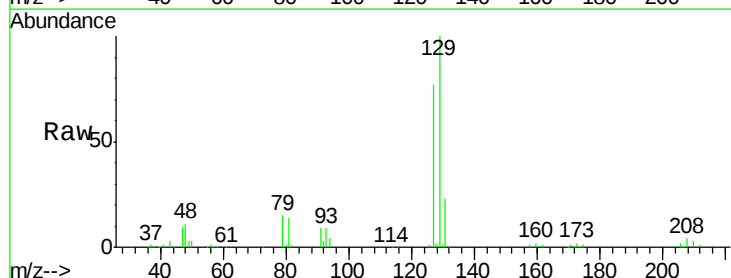
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 715622
Ion Ratio Lower Upper
43 100
58 51.9 26.3 78.9



#60
Dibromochloromethane
Concen: 58.647 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 129 Resp: 450814
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9

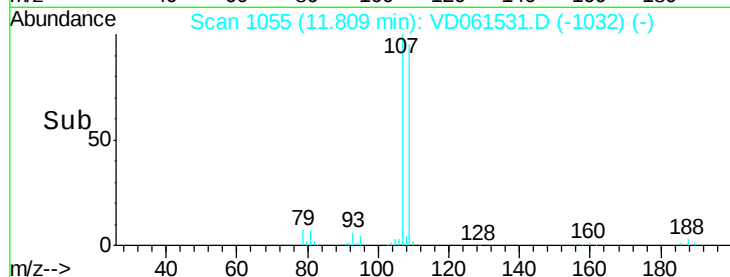
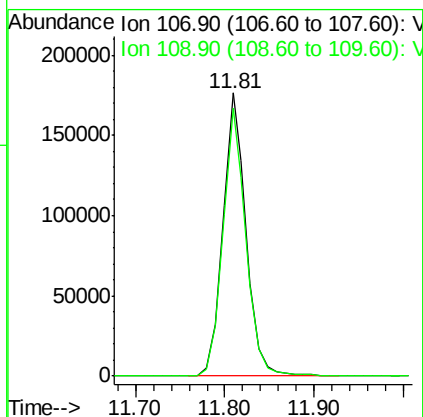
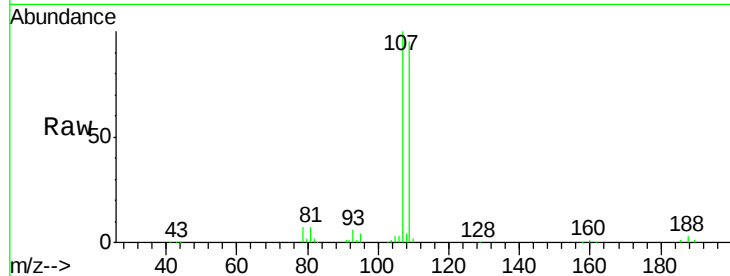




#61
 1,2-Dibromoethane
 Concen: 55.298 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

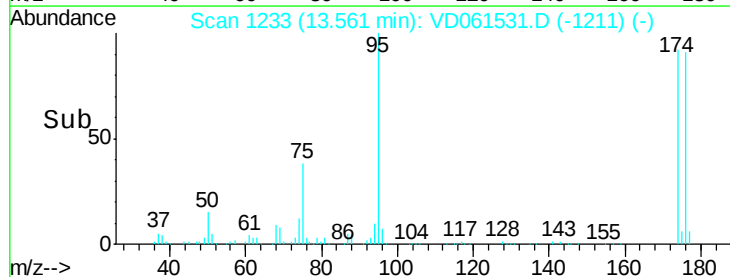
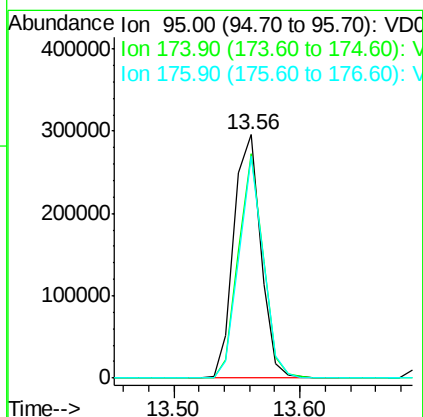
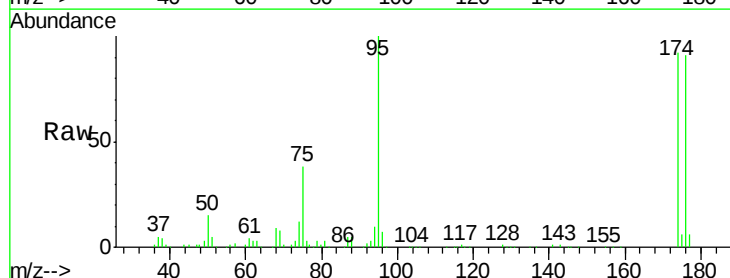
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

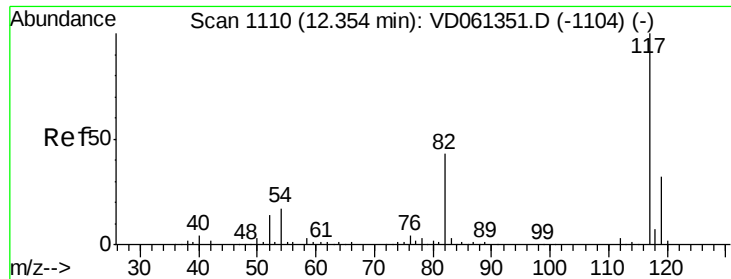
Tot Ion: 107 Resp: 319281
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 55.298 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 95 Resp: 436795
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 178.0
 176 91.0 0.0 175.0

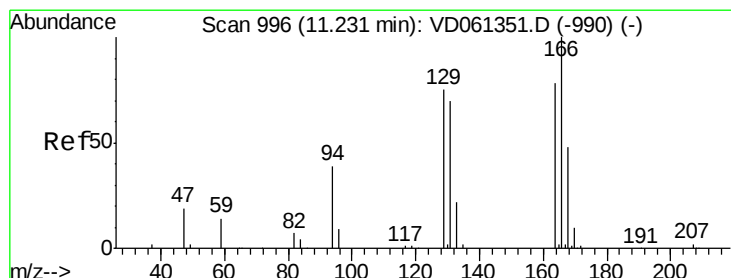
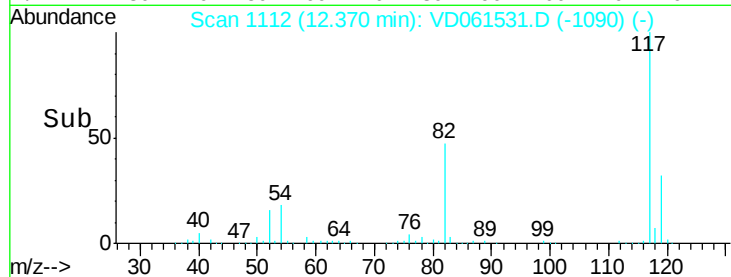
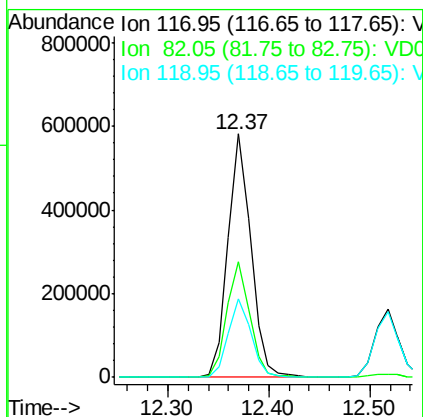
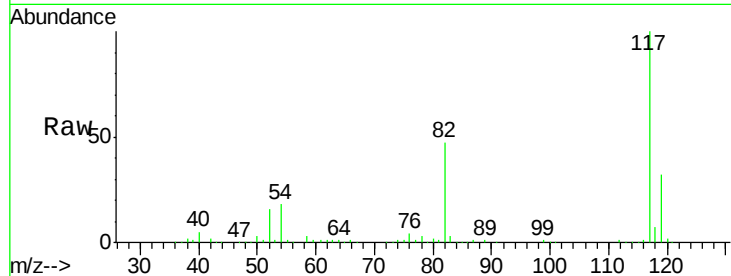




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

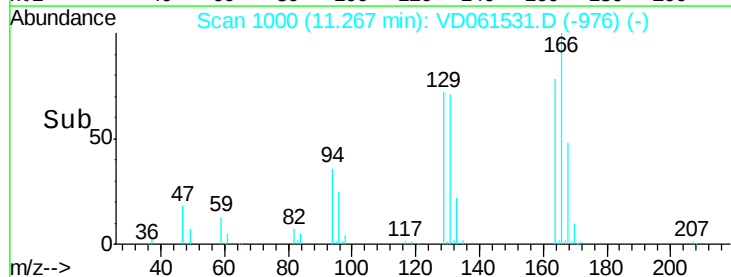
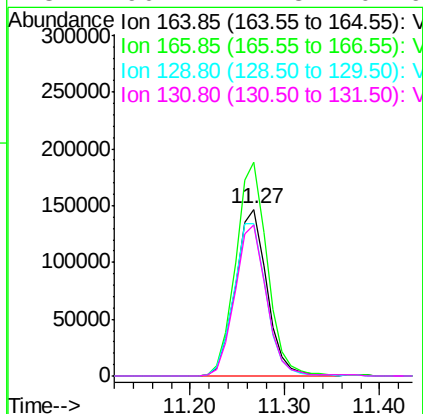
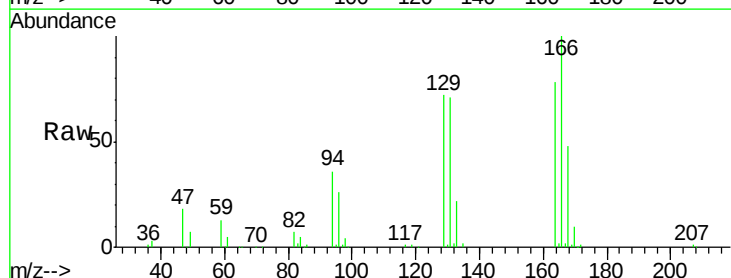
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

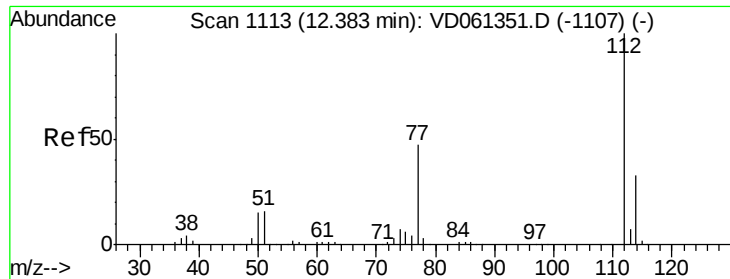
Tot Ion:117 Resp: 923387
Ion Ratio Lower Upper
117 100
82 47.4 34.4 51.6
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 46.883 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:164 Resp: 339755
Ion Ratio Lower Upper
164 100
166 128.0 102.4 153.6
129 91.6 76.8 115.2
131 90.7 71.8 107.6

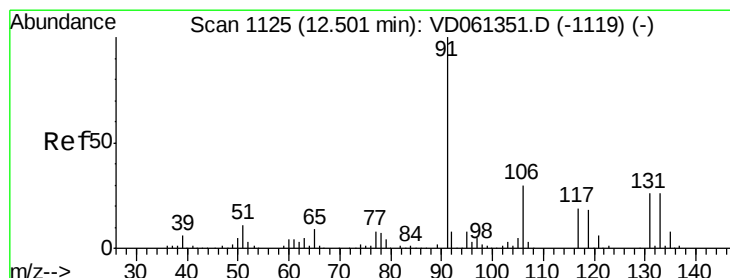
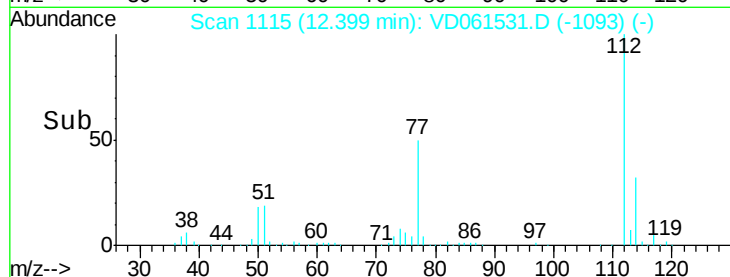
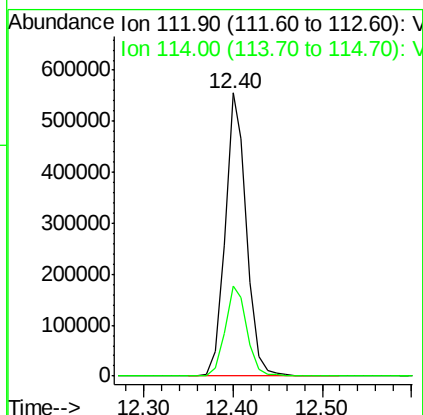
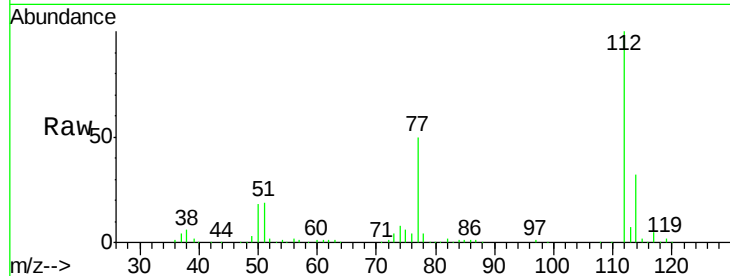




#65
Chlorobenzene
Concen: 49.431 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

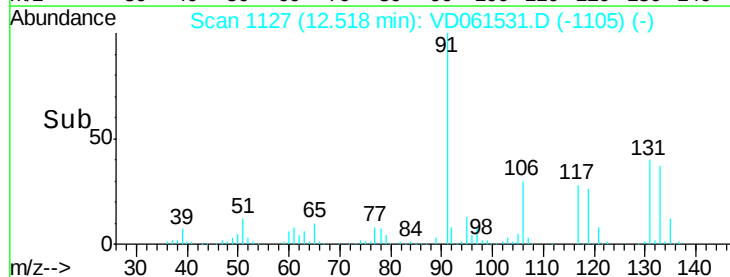
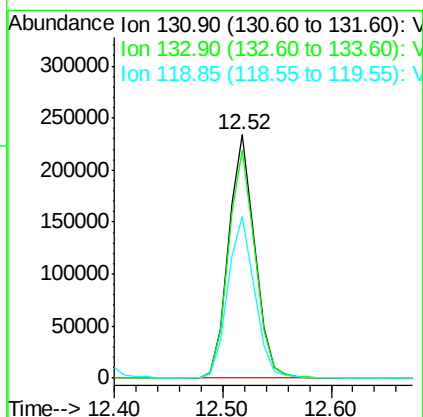
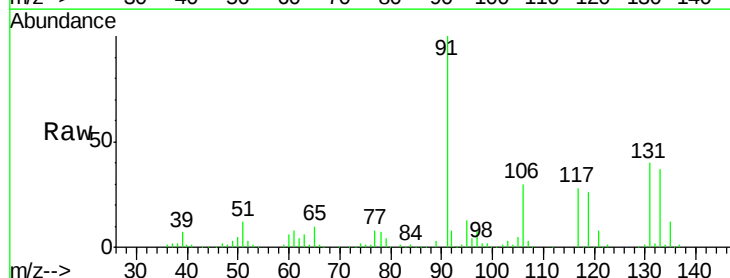
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 932812
Ion Ratio Lower Upper
112 100
114 32.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.908 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:131 Resp: 393886
Ion Ratio Lower Upper
131 100
133 93.8 49.4 148.2
119 66.6 34.1 102.2

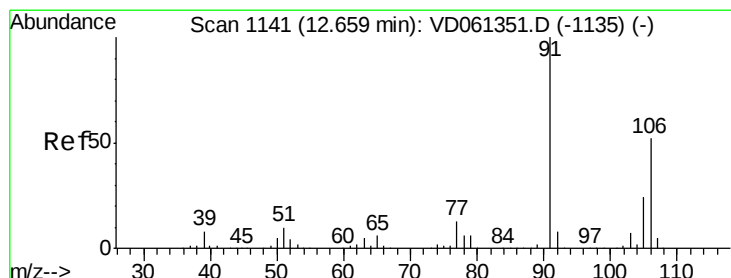
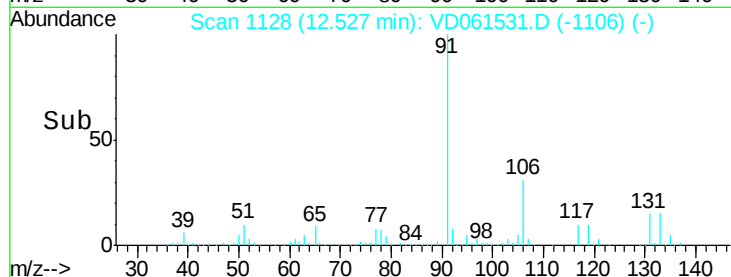
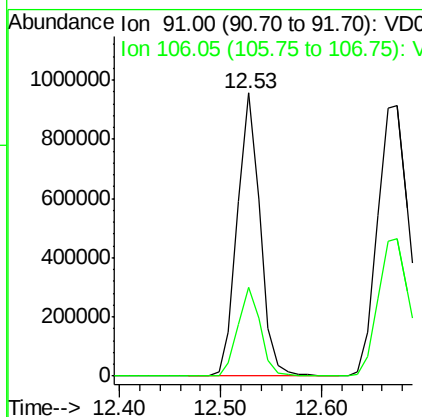
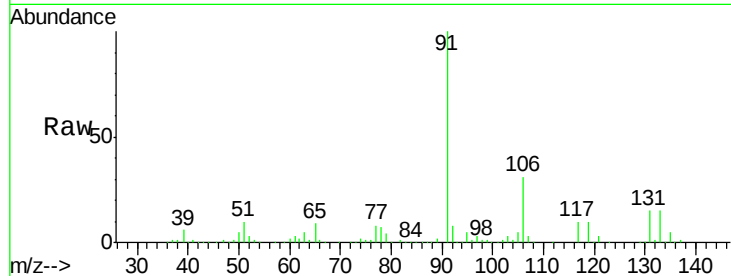




#67
Ethyl Benzene
Concen: 52.030 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

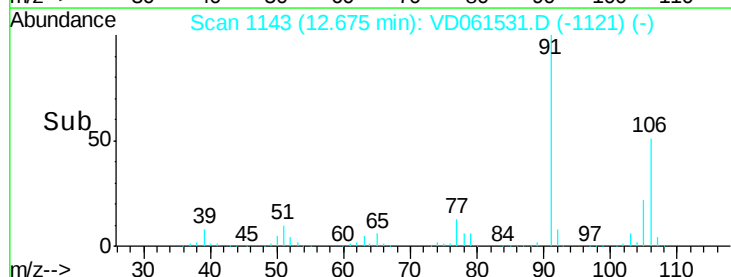
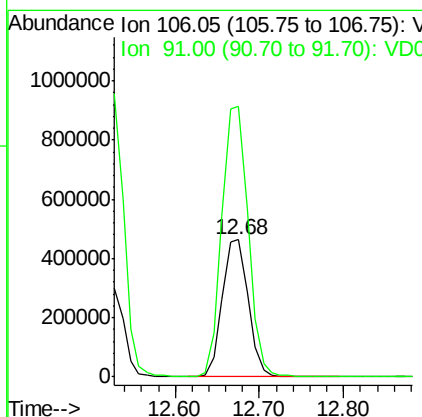
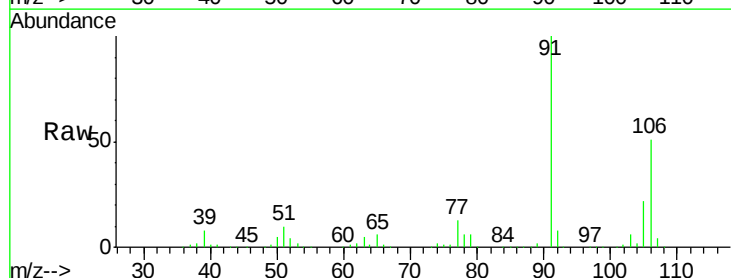
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1498672
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1



#68
m/p-Xylenes
Concen: 91.204 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:106 Resp: 995130
Ion Ratio Lower Upper
106 100
91 197.4 153.1 229.7

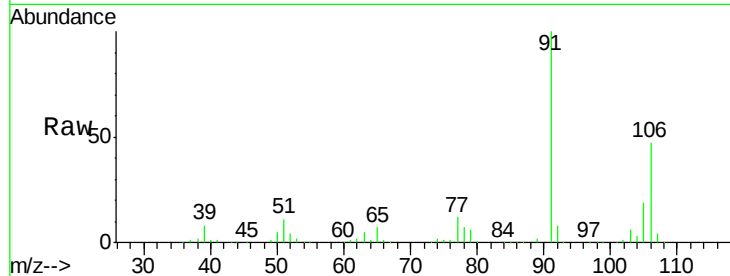




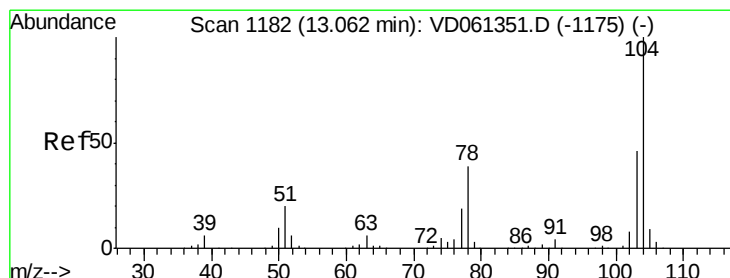
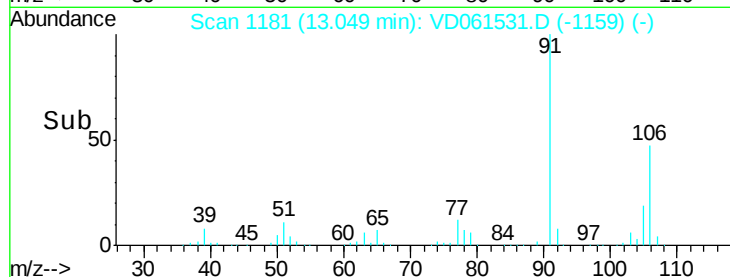
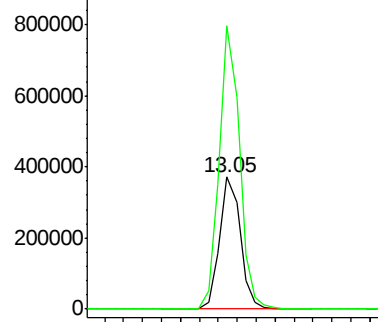
#69
o-Xylene
Concen: 53.582 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 567348
Ion Ratio Lower Upper
106 100
91 214.4 103.8 311.3

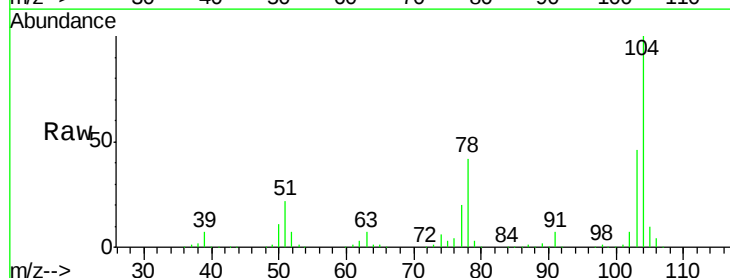


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

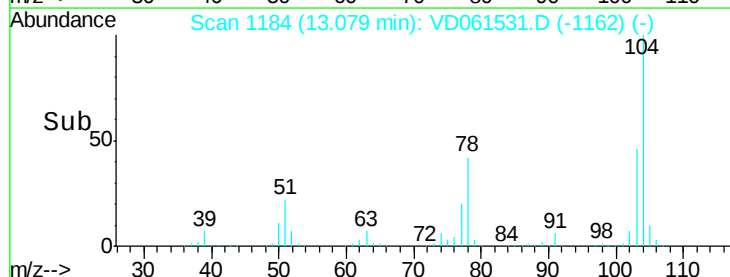
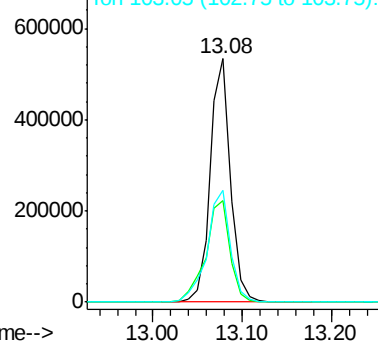


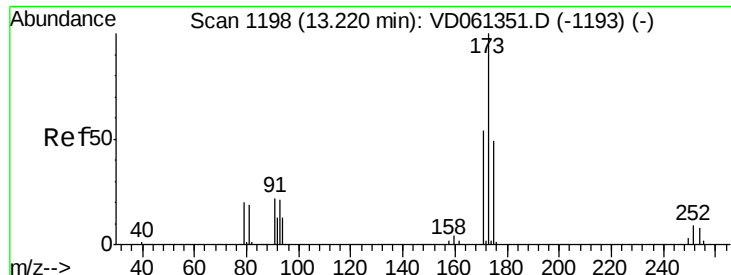
#70
Styrene
Concen: 46.002 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:104 Resp: 849087
Ion Ratio Lower Upper
104 100
78 41.6 31.0 46.6
103 45.8 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 55.139 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

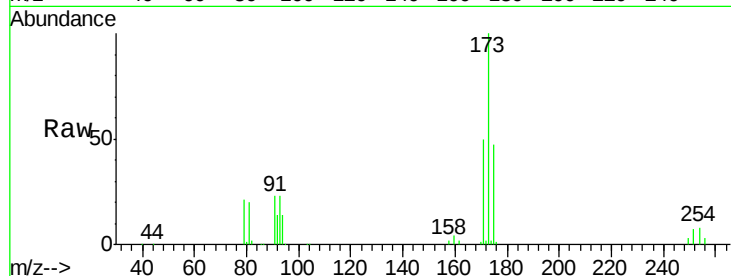
Tot Ion:173 Resp: 255390

Ion Ratio Lower Upper

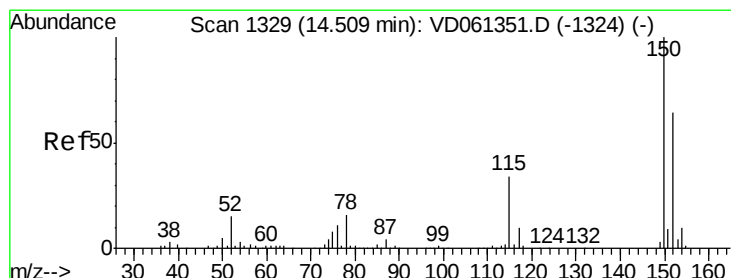
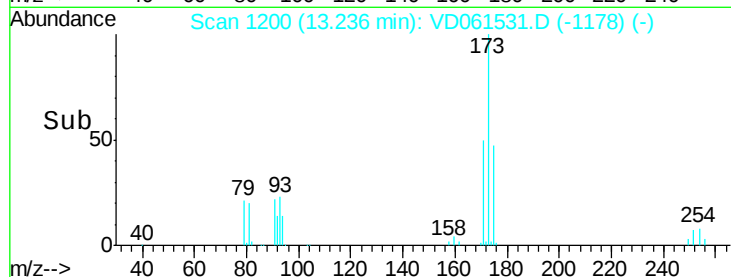
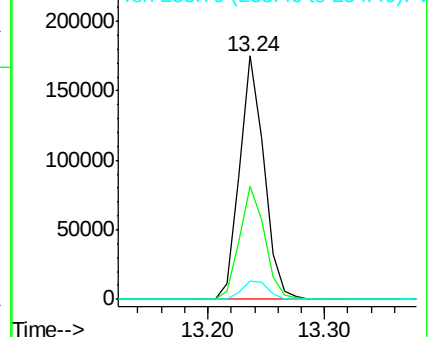
173 100

175 46.5 24.6 73.8

254 7.6 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

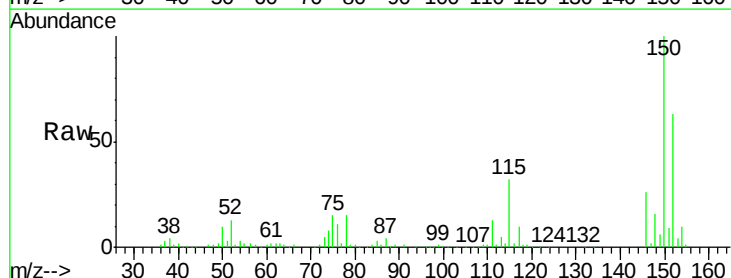
Tgt Ion:152 Resp: 411204

Ion Ratio Lower Upper

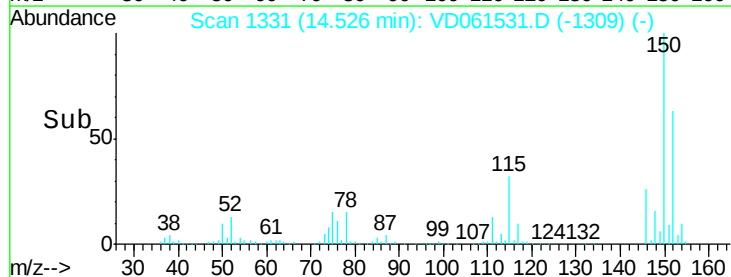
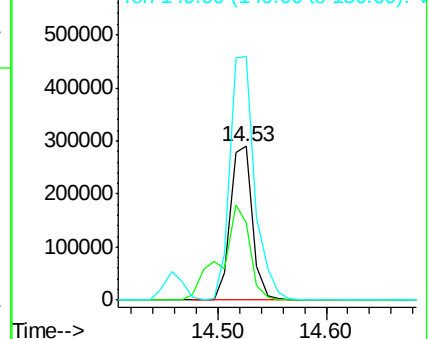
152 100

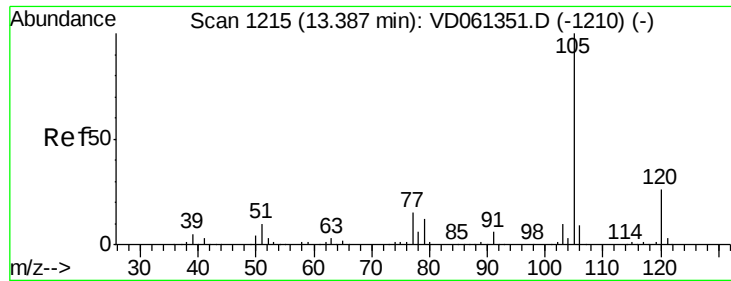
115 50.3 26.9 80.6

150 158.6 0.0 318.0



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





#73

Isopropylbenzene

Concen: 49.760 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

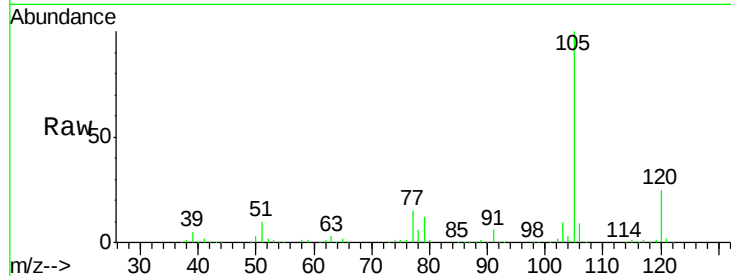
VSTDCCC050EC

Tot Ion:105 Resp: 1424094

Ion Ratio Lower Upper

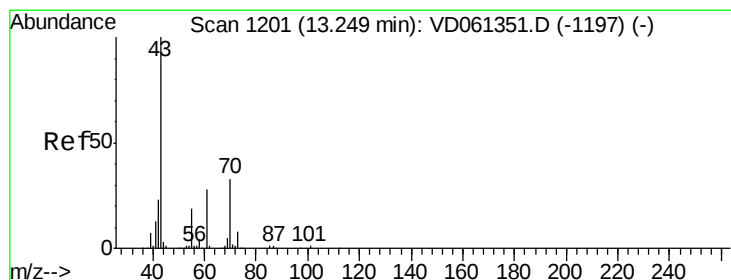
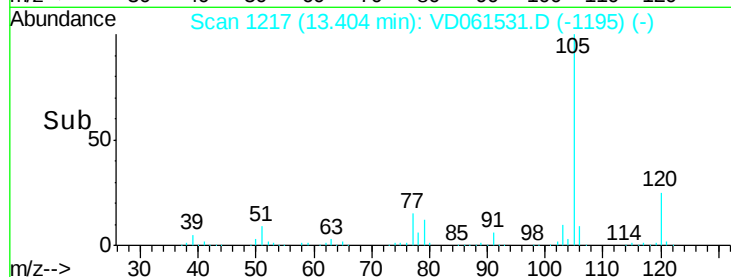
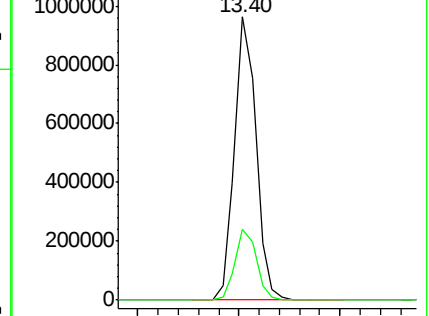
105 100

120 24.9 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.859 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tgt Ion: 43 Resp: 461284

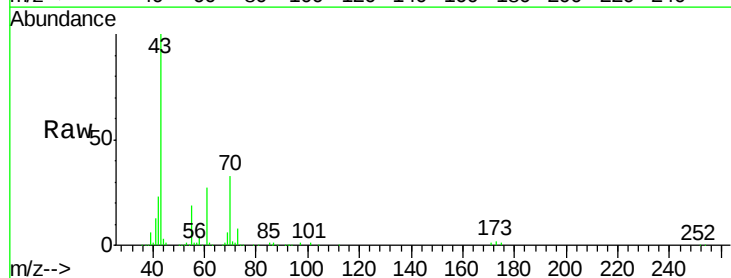
Ion Ratio Lower Upper

43 100

70 32.8 26.6 40.0

55 18.9 15.4 23.2

61 26.8 22.2 33.4

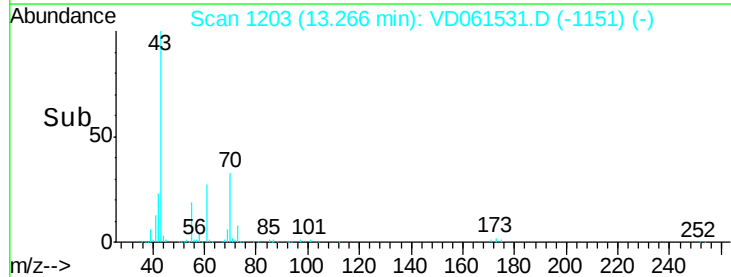
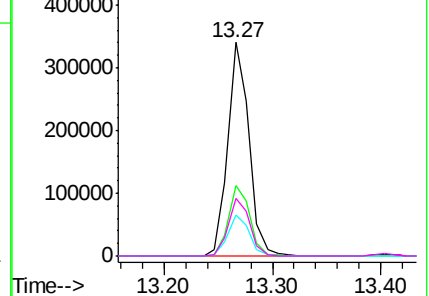


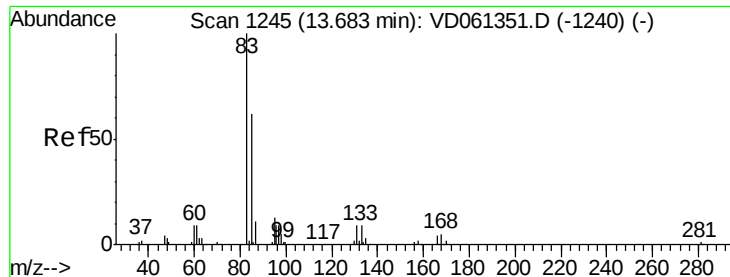
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.112 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

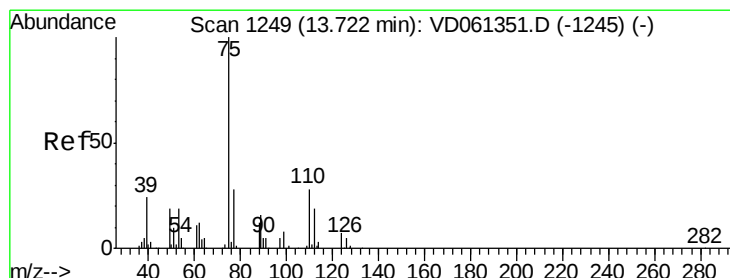
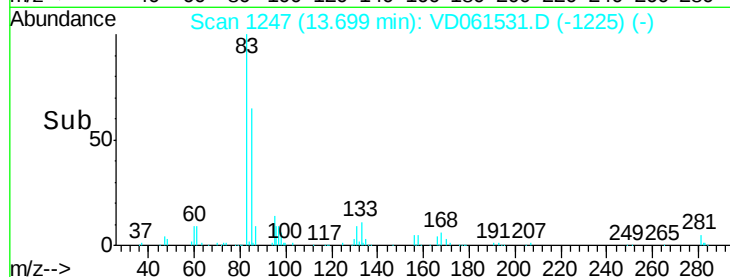
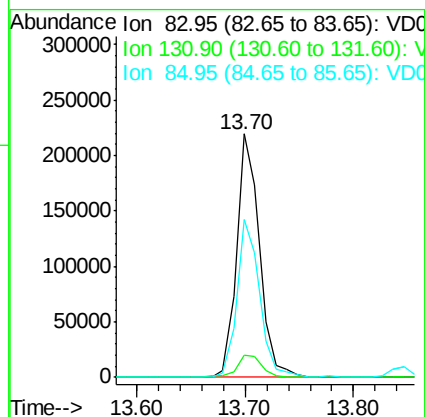
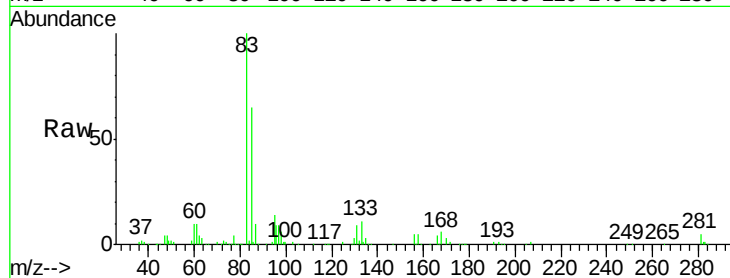
Tot Ion: 83 Resp: 320653

Ion Ratio Lower Upper

83 100

131 9.2 4.3 13.1

85 64.9 31.2 93.6



#76

1,2,3-Trichloropropane

Concen: 56.334 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD061531.D

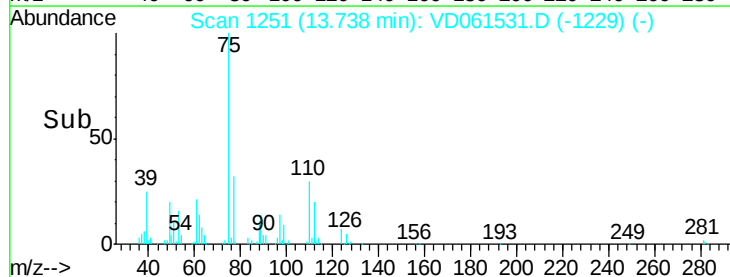
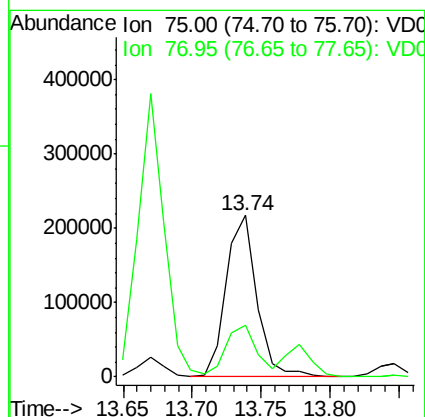
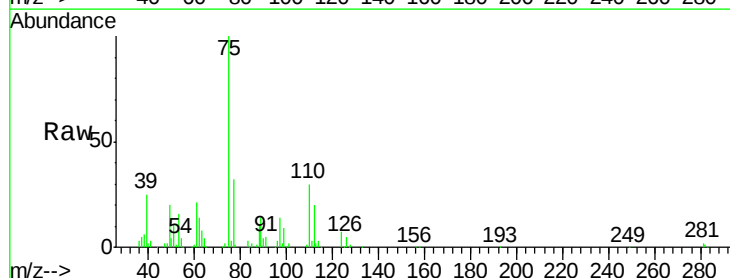
Acq: 2 Apr 2019 23:30

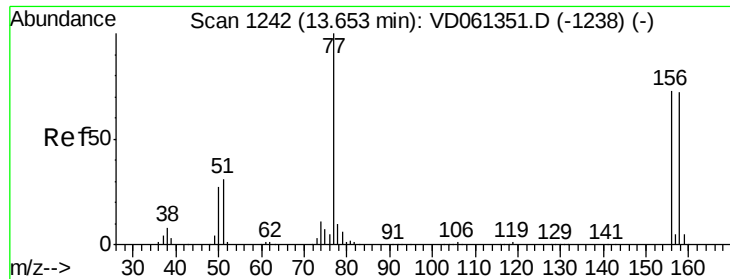
Tgt Ion: 75 Resp: 334618

Ion Ratio Lower Upper

75 100

77 32.1 16.2 48.5





#77

Bromobenzene

Concen: 48.665 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

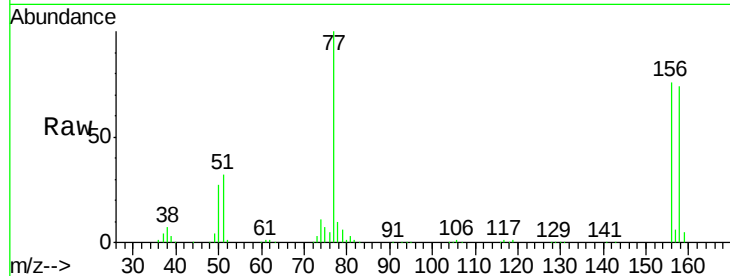
Tot Ion:156 Resp: 412892

Ion Ratio Lower Upper

156 100

77 131.9 68.5 205.6

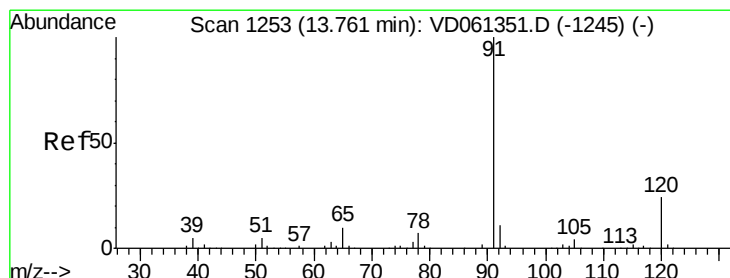
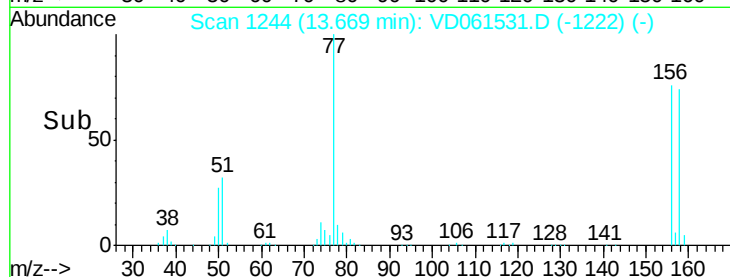
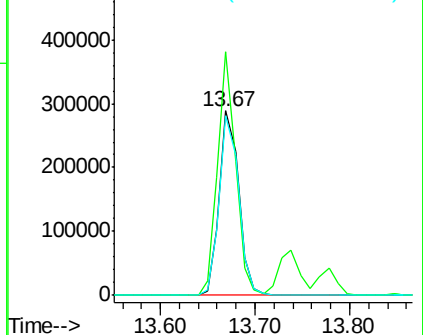
158 97.5 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.978 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061531.D

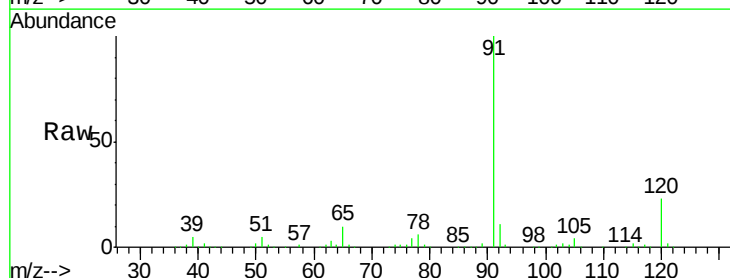
Acq: 2 Apr 2019 23:30

Tgt Ion: 91 Resp: 1610310

Ion Ratio Lower Upper

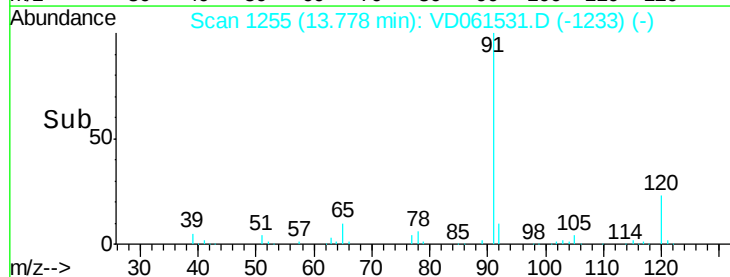
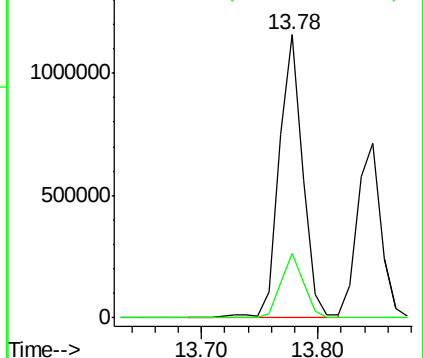
91 100

120 22.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.736 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

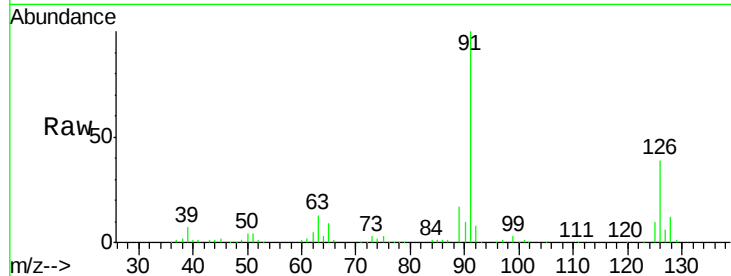
VSTDCCC050EC

Tot Ion: 91 Resp: 1002876

Ion Ratio Lower Upper

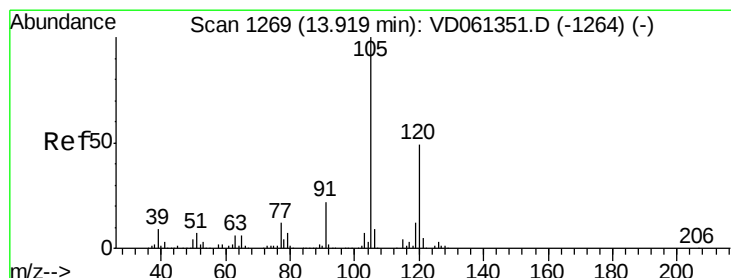
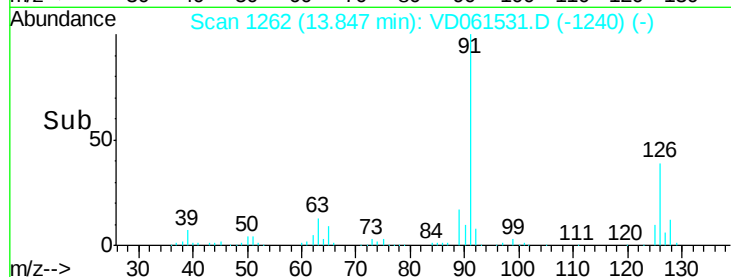
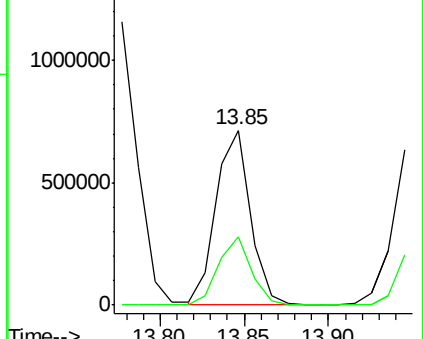
91 100

126 39.3 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 47.752 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VD061531.D

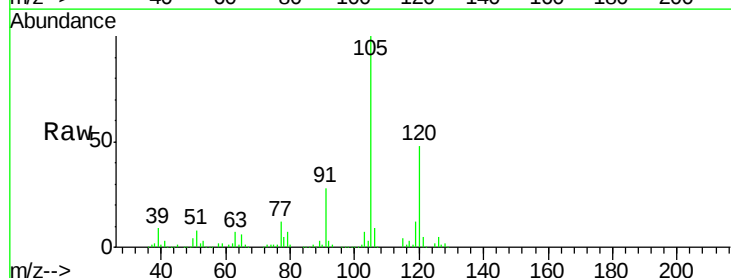
Acq: 2 Apr 2019 23:30

Tgt Ion:105 Resp: 1060356

Ion Ratio Lower Upper

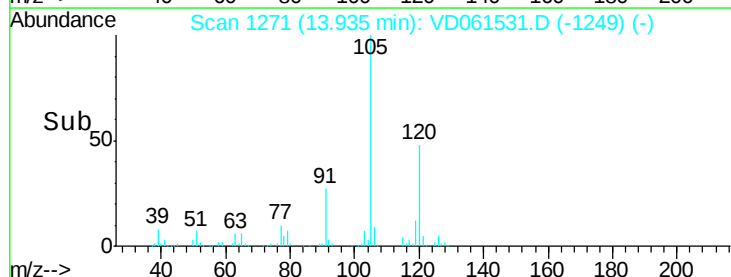
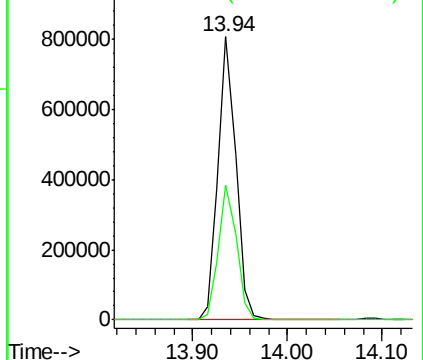
105 100

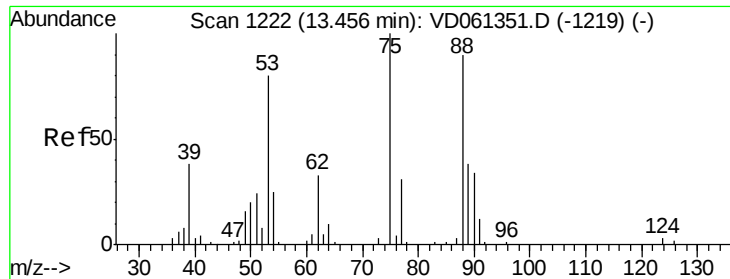
120 47.8 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.665 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

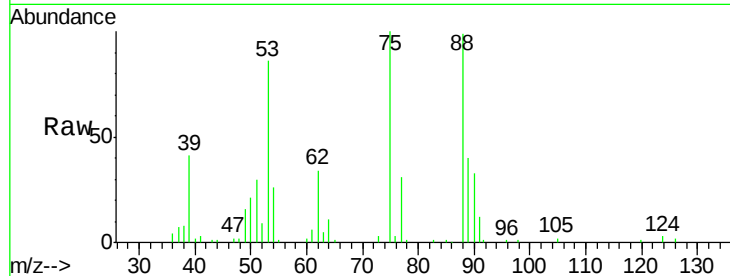
Tot Ion: 75 Resp: 99004

Ion Ratio Lower Upper

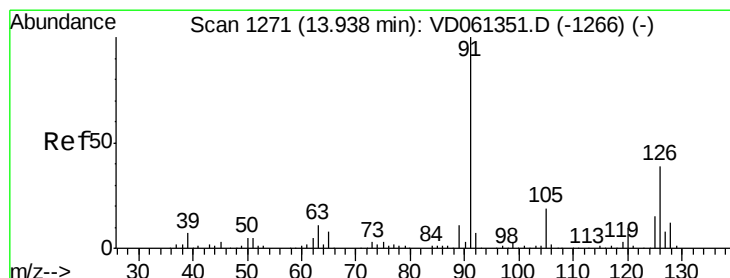
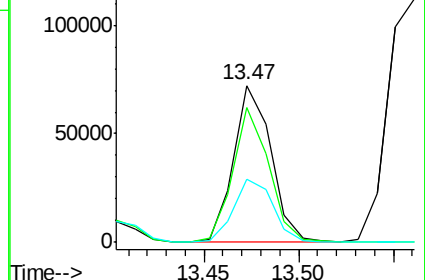
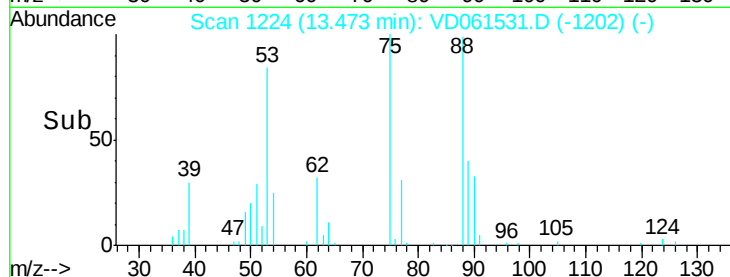
75 100

53 85.8 63.8 95.8

89 40.3 30.5 45.7



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



#82

4-Chlorotoluene

Concen: 50.129 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061531.D

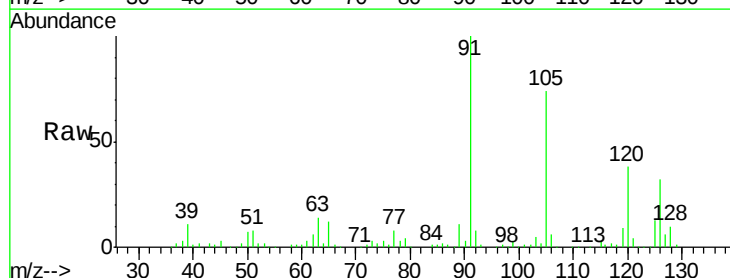
Acq: 2 Apr 2019 23:30

Tgt Ion: 91 Resp: 1036546

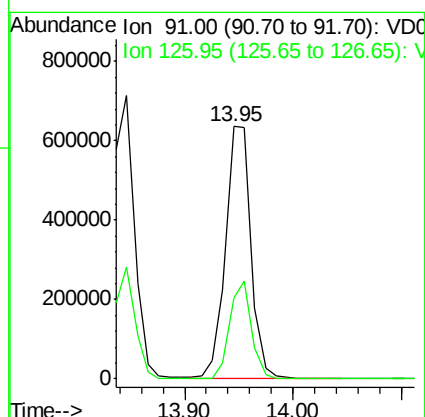
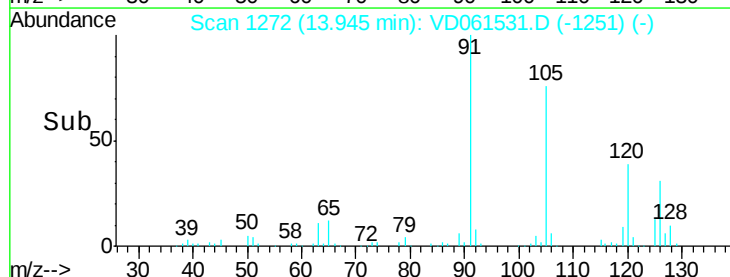
Ion Ratio Lower Upper

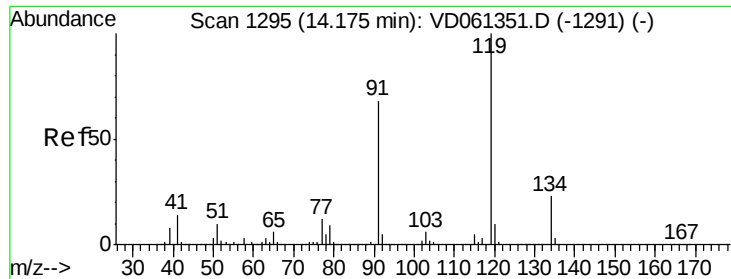
91 100

126 32.1 19.6 58.8



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

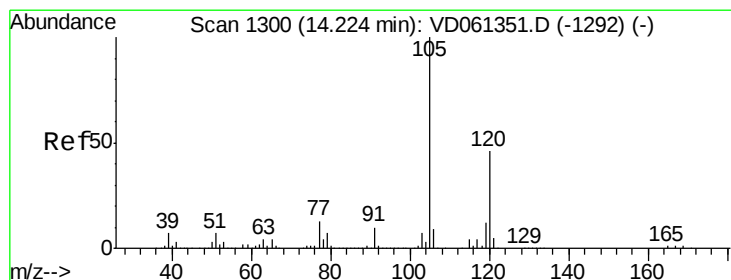
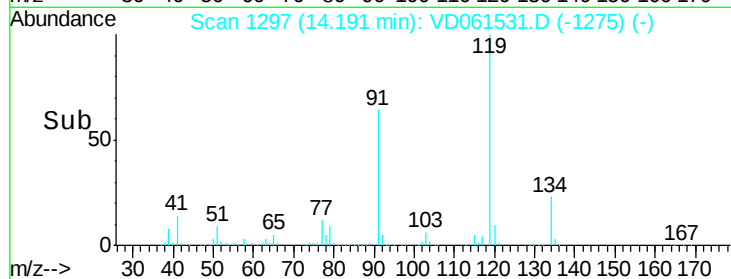
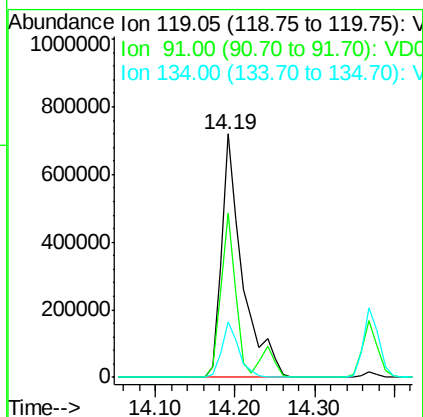
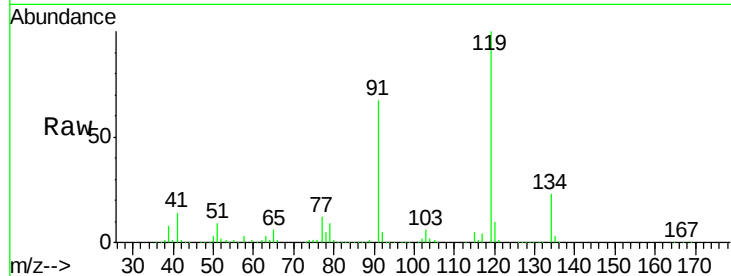




#83
tert-Butylbenzene
Concen: 47.992 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

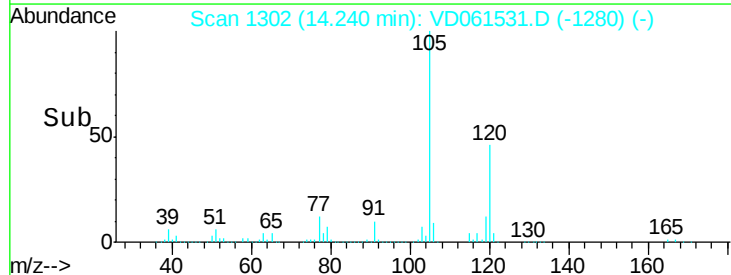
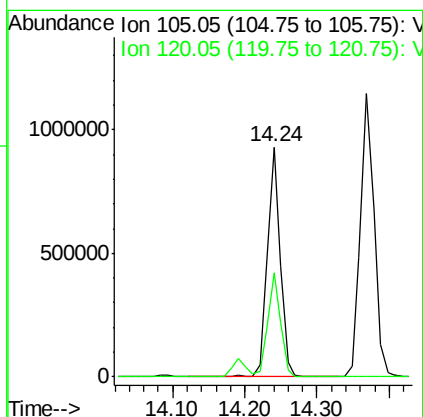
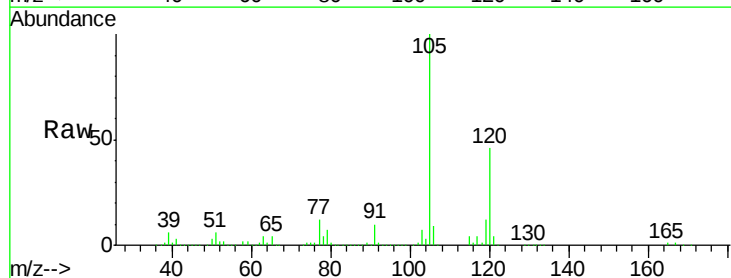
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1331797
Ion Ratio Lower Upper
119 100
91 67.4 34.1 102.3
134 23.0 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 48.224 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:105 Resp: 1159309
Ion Ratio Lower Upper
105 100
120 45.6 22.8 68.4

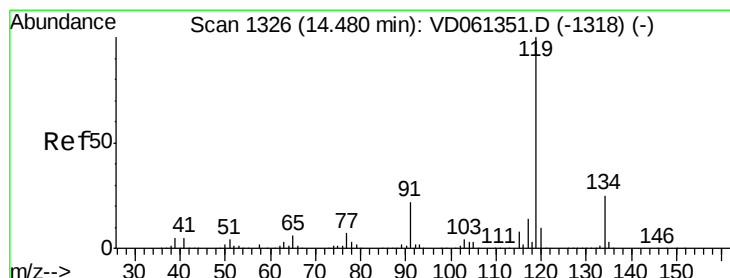
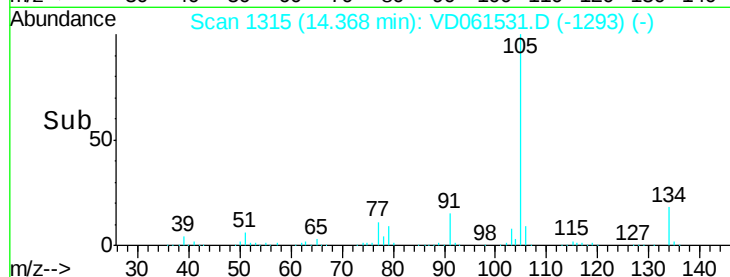
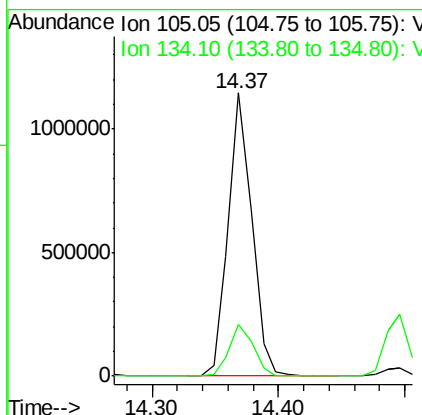
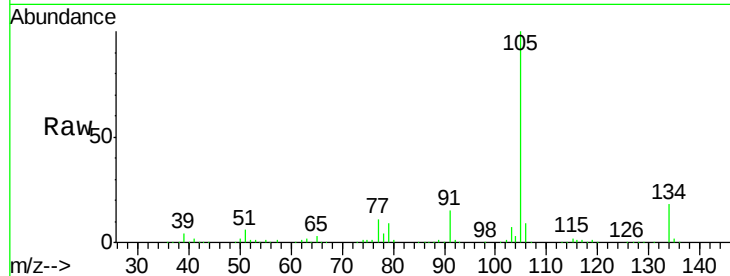




#85
 sec-Butylbenzene
 Concen: 50.056 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

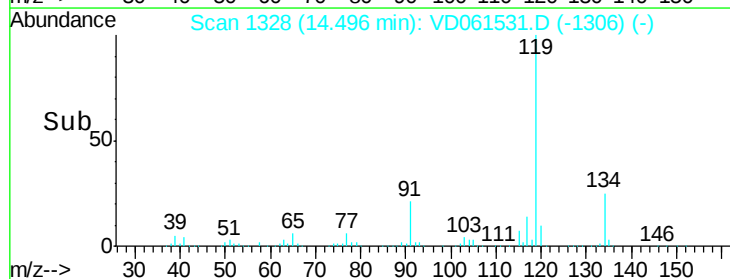
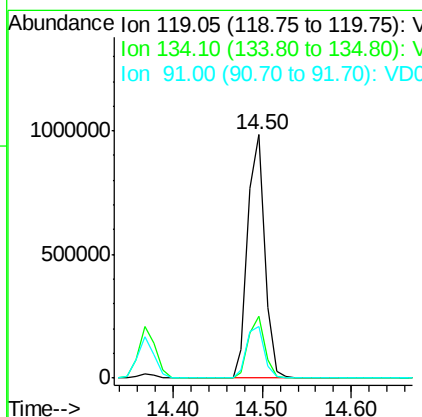
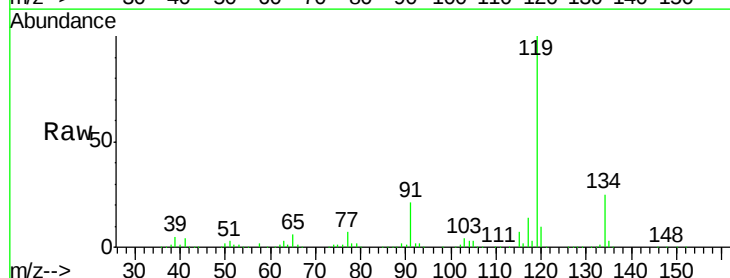
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDCCC050EC

Tot Ion:105 Resp: 1475670
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 52.076 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion:119 Resp: 1298197
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.3 36.8
 91 21.3 11.1 33.1

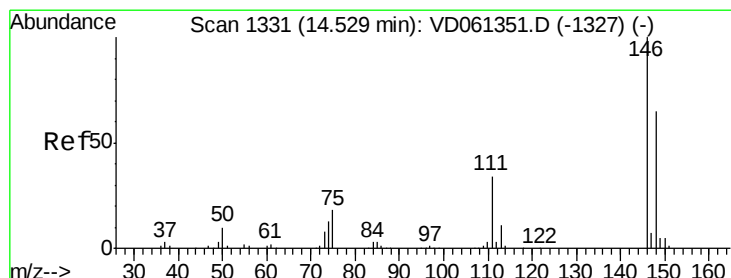
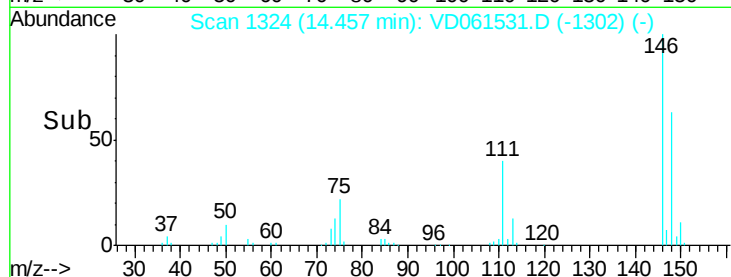
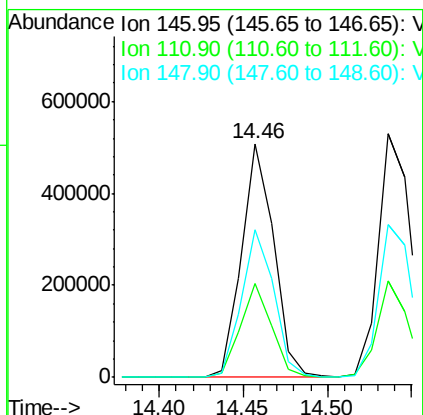
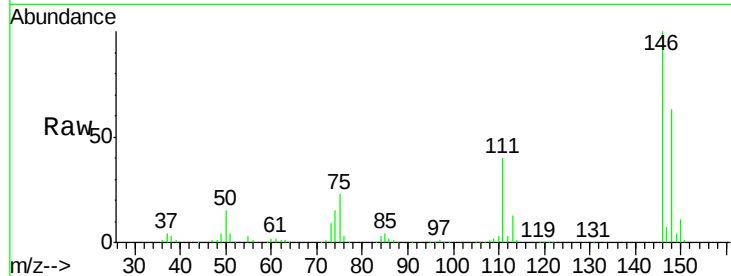




#87
 1,3-Dichlorobenzene
 Concen: 47.043 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

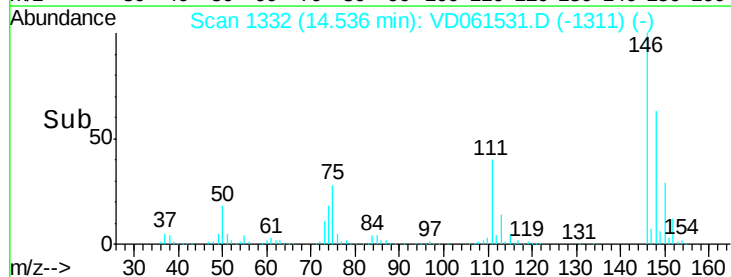
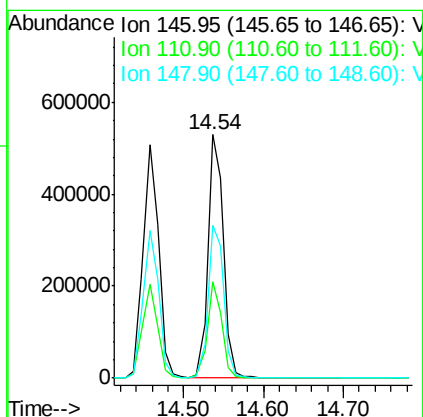
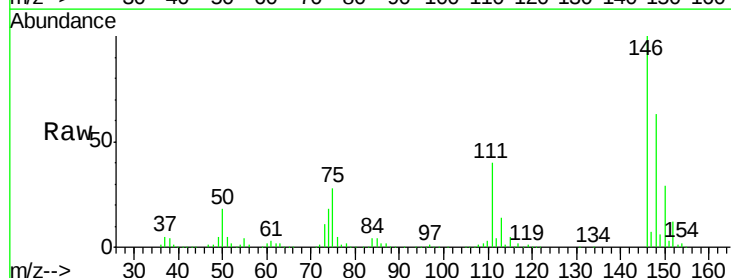
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 675894
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.6 61.9
 148 63.3 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 50.874 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion:146 Resp: 712809
 Ion Ratio Lower Upper
 146 100
 111 39.6 16.8 50.4
 148 62.9 32.6 98.0

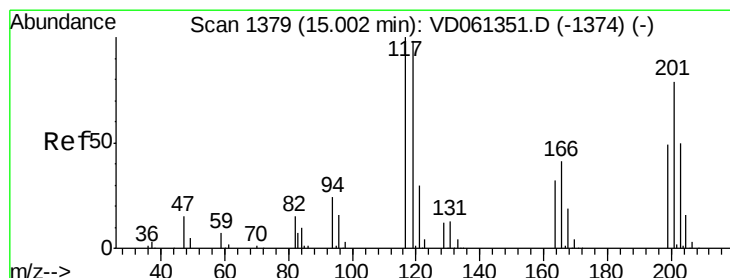
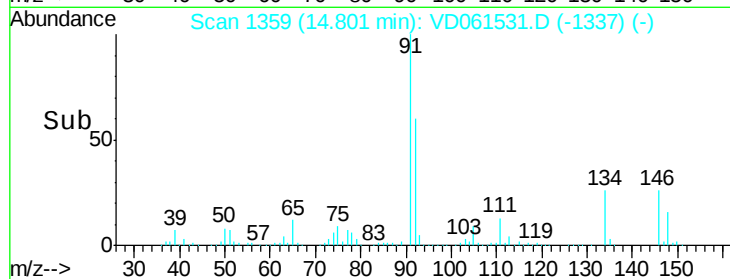
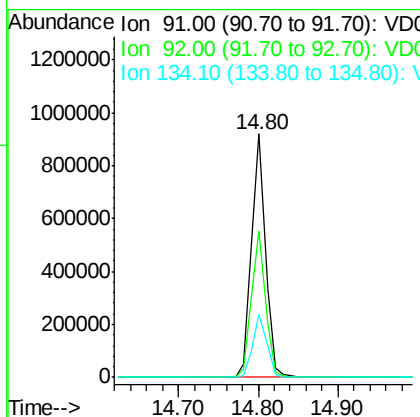
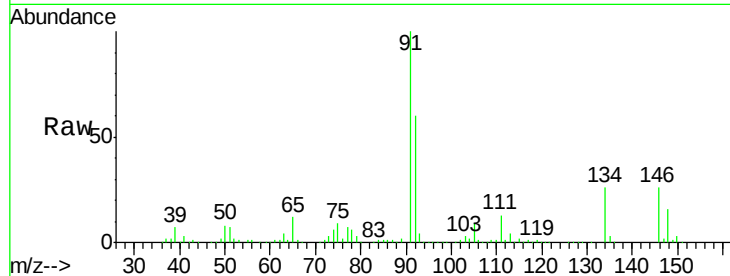




#89
n-Butylbenzene
Concen: 47.887 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

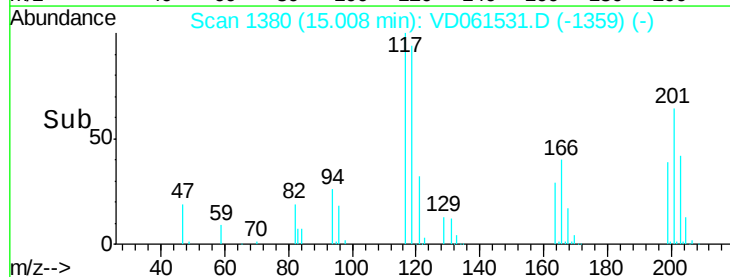
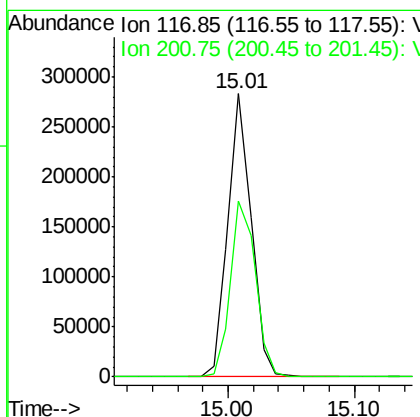
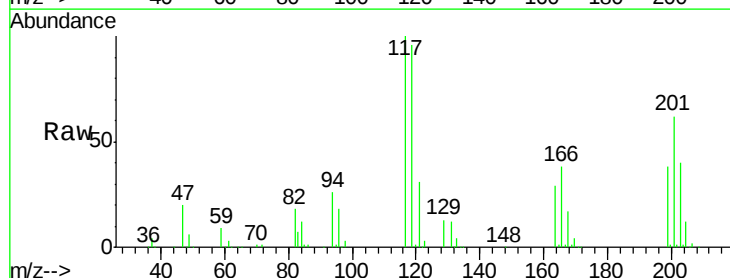
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1095694
Ion Ratio Lower Upper
91 100
92 60.4 30.3 91.0
134 25.9 12.4 37.0



#90
Hexachloroethane
Concen: 51.559 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 117 Resp: 363114
Ion Ratio Lower Upper
117 100
201 62.0 39.6 119.0

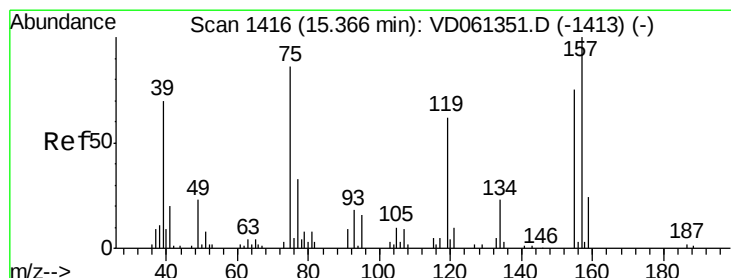
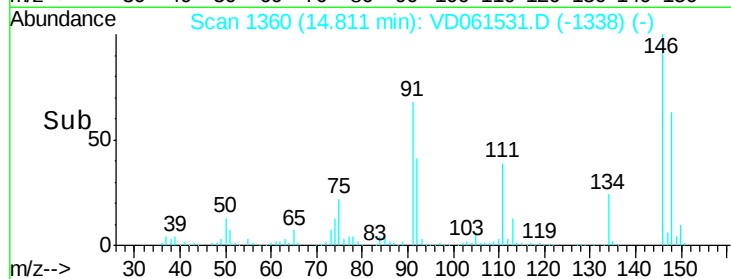
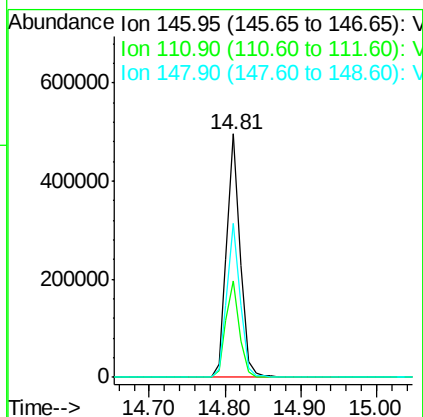
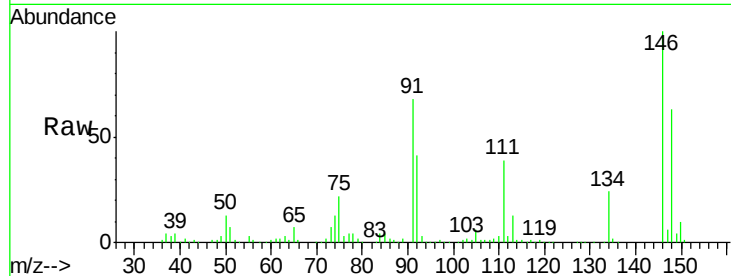




#91
 1,2-Dichlorobenzene
 Concen: 51.939 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

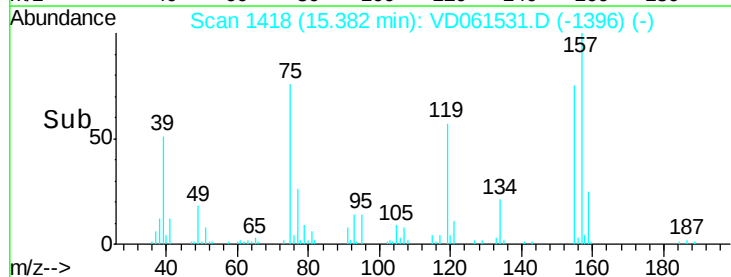
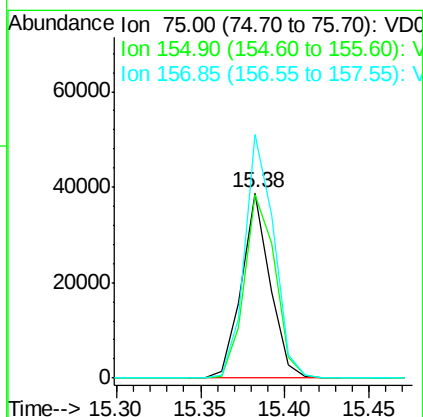
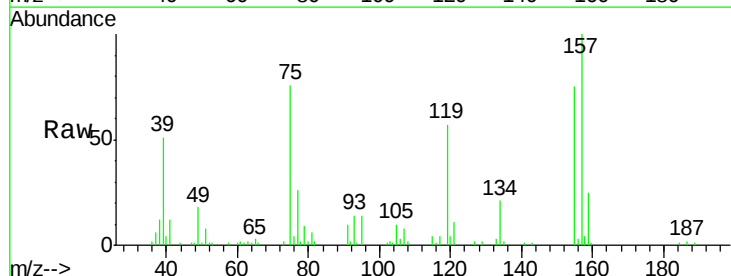
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

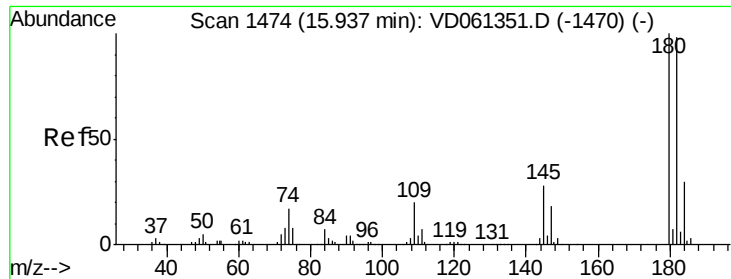
Tot Ion:146 Resp: 612095
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.2 63.6
 148 63.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.587 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 75 Resp: 45733
 Ion Ratio Lower Upper
 75 100
 155 99.0 43.6 130.9
 157 131.5 58.5 175.3

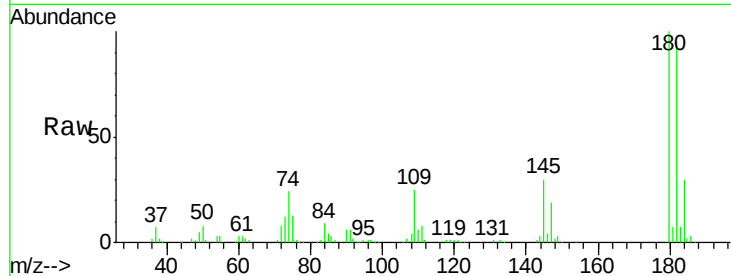




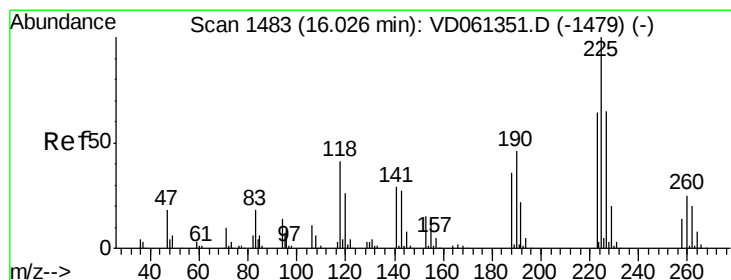
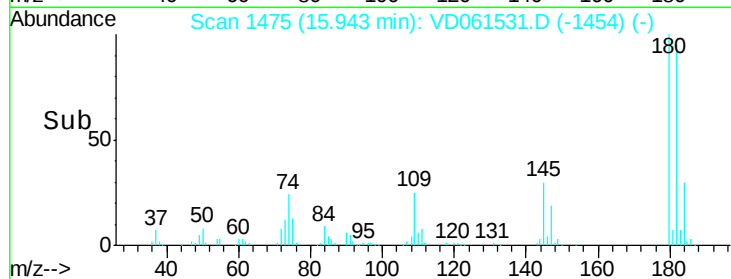
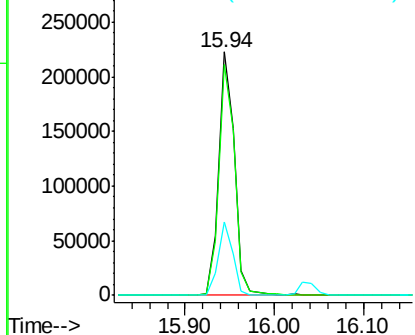
#93
 1,2,4-Trichlorobenzene
 Concen: 51.477 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 276351
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.9 146.8
 145 30.0 14.1 42.3

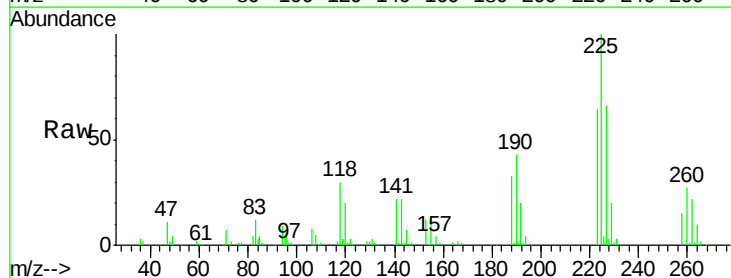


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

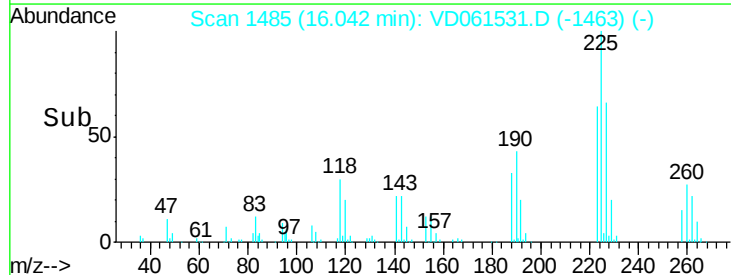
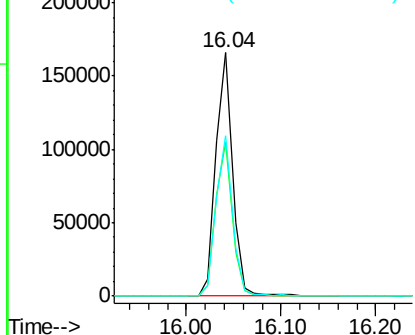


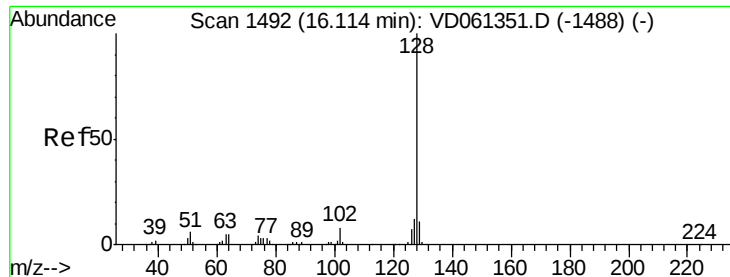
#94
 Hexachlorobutadiene
 Concen: 48.671 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion:225 Resp: 204177
 Ion Ratio Lower Upper
 225 100
 223 63.5 32.0 96.0
 227 65.8 32.4 97.2



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

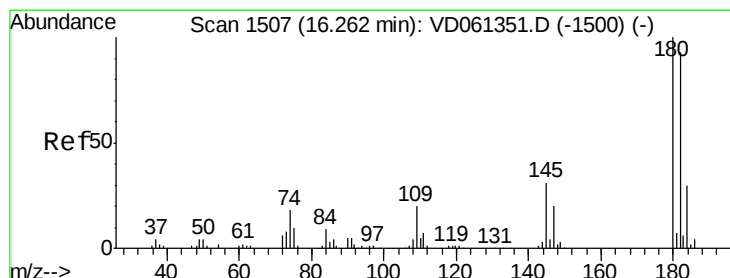
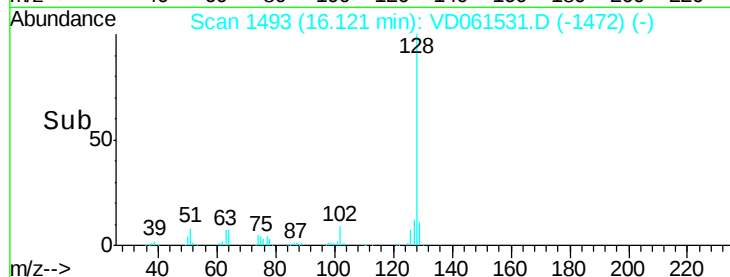
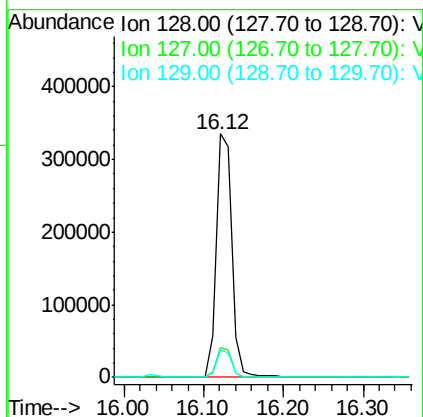
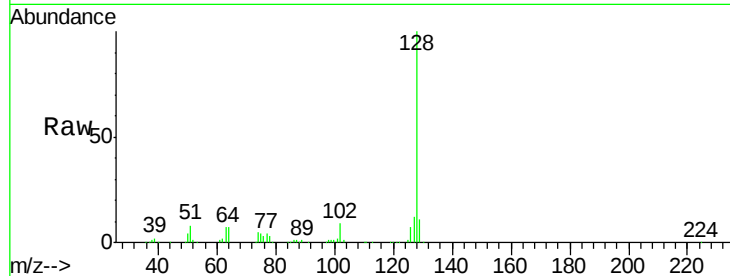




#95
Naphthalene
Concen: 57.011 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 466517
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.989 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:180 Resp: 125179
Ion Ratio Lower Upper
180 100
182 94.5 46.4 139.1
145 32.8 15.3 45.9

