

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060763.D
 Acq On : 18 Jan 2019 16:06
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

Quant Time: Jan 19 03:23:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	1542266	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.98	114	2297369	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.15	117	1675662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	814423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	905910	85.00	ug/l	0.02
Spiked Amount			Recovery	=	170.00%	
35) Dibromofluoromethane	6.68	113	897398	53.37	ug/l	0.02
Spiked Amount			Recovery	=	106.74%	
50) Toluene-d8	10.18	98	2176875	43.39	ug/l	0.02
Spiked Amount			Recovery	=	86.78%	
62) 4-Bromofluorobenzene	13.35	95	995363	56.65	ug/l	0.02
Spiked Amount			Recovery	=	113.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	879661	44.639	ug/l	99
3) Chloromethane	1.76	50	519296	28.633	ug/l	100
4) Vinyl Chloride	1.85	62	540773	37.556	ug/l	97
5) Bromomethane	2.14	94	157505	48.833	ug/l	99
6) Chloroethane	2.25	64	166098	38.653	ug/l	100
7) Trichlorofluoromethane	2.50	101	912957	57.004	ug/l	100
8) Diethyl Ether	2.80	74	130516	48.709	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.07	101	464760	44.737	ug/l	95
10) Methyl Iodide	3.21	142	514670	47.139	ug/l #	79
11) Tert butyl alcohol	3.92	59	256194	575.163	ug/l	99
12) 1,1-Dichloroethene	3.05	96	330871	38.762	ug/l #	57
13) Acrolein	2.96	56	93406	205.780	ug/l	99
14) Allyl chloride	3.50	41	733356	46.821	ug/l #	77
15) Acrylonitrile	4.04	53	758544	293.328	ug/l	98
16) Acetone	3.13	43	637041	342.256	ug/l #	90
17) Carbon Disulfide	3.29	76	1130661	41.475	ug/l	98
18) Methyl Acetate	3.52	43	247951	53.752	ug/l	99
19) Methyl tert-butyl Ether	4.08	73	1771860	81.817	ug/l	95
20) Methylene Chloride	3.69	84	721789	37.340	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	788535	45.107	ug/l #	84
22) Diisopropyl ether	4.89	45	2569101	48.309	ug/l #	87
23) Vinyl Acetate	4.84	43	6778871	263.472	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1491823	53.332	ug/l	96
25) 2-Butanone	5.84	43	1058805	297.273	ug/l	95
26) 2,2-Dichloropropane	5.78	77	1431645	64.838	ug/l	88
27) cis-1,2-Dichloroethene	5.80	96	807691	45.514	ug/l	78
28) Bromochloromethane	6.20	49	645705	54.641	ug/l	99
29) Tetrahydrofuran	6.23	42	575730	285.136	ug/l #	85
30) Chloroform	6.42	83	1667546	59.244	ug/l	99
31) Cyclohexane	6.72	56	1205472	44.781	ug/l	97
32) 1,1,1-Trichloroethane	6.63	97	1471028	63.170	ug/l	95
36) 1,1-Dichloropropene	6.91	75	1139534	48.170	ug/l	93
37) Ethyl Acetate	5.94	43	573880	58.004	ug/l #	96
38) Carbon Tetrachloride	6.88	117	1296635	62.128	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	1177866	43.656	ug/l	90
40) Benzene	7.22	78	2780343	45.500	ug/l	99
41) Methacrylonitrile	6.21	41	655562	119.789	ug/l #	88
42) 1,2-Dichloroethane	7.34	62	1163981	76.759	ug/l	91
43) Isopropyl Acetate	9.00	43	733368	57.761	ug/l #	93
44) Trichloroethene	8.30	130	897614	49.630	ug/l	99
45) 1,2-Dichloropropane	8.71	63	668444	44.605	ug/l	100
46) Dibromomethane	8.83	93	484282	56.622	ug/l	93
47) Bromodichloromethane	9.14	83	1299857	64.167	ug/l	99
48) Methyl methacrylate	8.89	41	503415	65.282	ug/l	92
49) 1,4-Dioxane	8.86	88	92760	1293.723	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	2196897	282.421	ug/l	89
52) Toluene	10.28	92	1657294	43.263	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	1095823	64.840	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	1332586	60.241	ug/l	92
55) 1,1,2-Trichloroethane	10.96	97	518180	50.275	ug/l	97
56) Ethyl methacrylate	10.82	69	674951	70.503	ug/l	90
57) 1,3-Dichloropropane	11.19	76	902749	55.258	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.62	63	1594701	282.706	ug/l	94
59) 2-Hexanone	11.32	43	1820252	334.305	ug/l	93
60) Dibromochloromethane	11.46	129	831965	63.371	ug/l	95
61) 1,2-Dibromoethane	11.59	107	611753	57.223	ug/l	97
64) Tetrachloroethene	11.03	164	753217	49.594	ug/l	94
65) Chlorobenzene	12.19	112	1837253	49.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.30	131	713236	59.919	ug/l	94
67) Ethyl Benzene	12.31	91	3095637	48.825	ug/l	95
68) m/p-Xylenes	12.46	106	1861030	80.318	ug/l	79
69) o-Xylene	12.84	106	1025485	46.649	ug/l	77
70) Styrene	12.86	104	1711250	48.333	ug/l #	87
71) Bromoform	13.03	173	544090	69.245	ug/l	97
73) Isopropylbenzene	13.20	105	2934244	50.603	ug/l	97
74) N-amyl acetate	13.06	43	989423	72.298	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.50	83	612451	65.162	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	674709	72.768	ug/l	99
77) Bromobenzene	13.46	156	808557	52.816	ug/l	80
78) n-propylbenzene	13.57	91	3763859	50.773	ug/l	97
79) 2-Chlorotoluene	13.64	91	2228792	56.133	ug/l	94
80) 1,3,5-Trimethylbenzene	14.03	105	2381183	53.180	ug/l	86
81) trans-1,4-Dichloro-2-buten	13.27	75	210941	82.331	ug/l #	82
82) 4-Chlorotoluene	13.75	91	2424364	53.870	ug/l	98
83) tert-Butylbenzene	13.98	119	2521022	49.473	ug/l	78
84) 1,2,4-Trimethylbenzene	14.03	105	2381183	51.634	ug/l	93
85) sec-Butylbenzene	14.17	105	2968809	47.772	ug/l	96
86) p-Isopropyltoluene	14.29	119	2560104	51.034	ug/l	90
87) 1,3-Dichlorobenzene	14.26	146	1437631	51.156	ug/l	95
88) 1,4-Dichlorobenzene	14.34	146	1419463	51.257	ug/l	95
89) n-Butylbenzene	14.59	91	2466969	48.124	ug/l	97
90) Hexachloroethane	14.81	117	753420	61.136	ug/l	99
91) 1,2-Dichlorobenzene	14.61	146	1146339	50.850	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.19	75	112022	101.452	ug/l	79

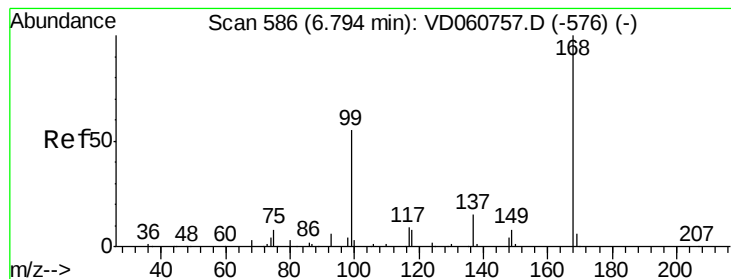
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	984448	54.879	ug/l	98
94) Hexachlorobutadiene	15.84	225	722878	54.519	ug/l	98
95) Naphthalene	15.92	128	1620007	75.984	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	884157	63.051	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 586

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

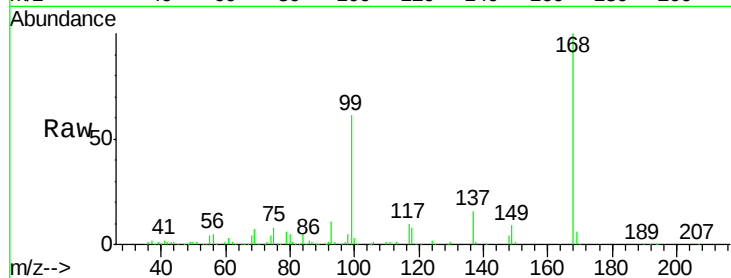
ICVVD011819

Tot Ion:168 Resp: 1542266

Ion Ratio Lower Upper

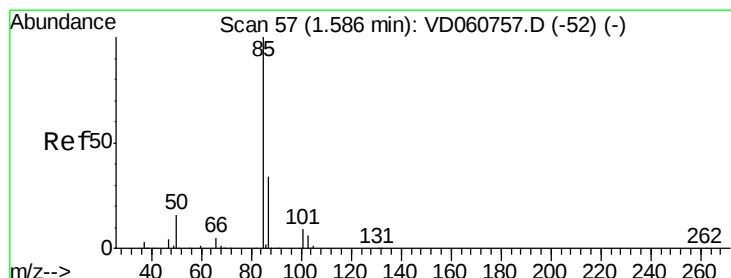
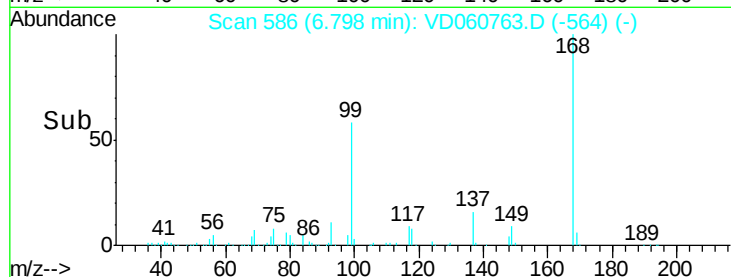
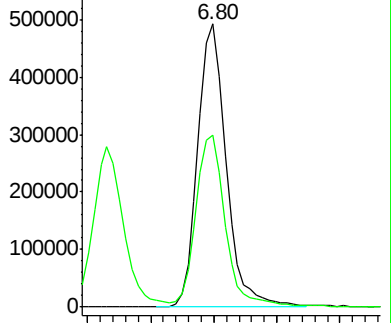
168 100

99 60.7 38.7 58.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.639 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.01 min

Lab File: VD060763.D

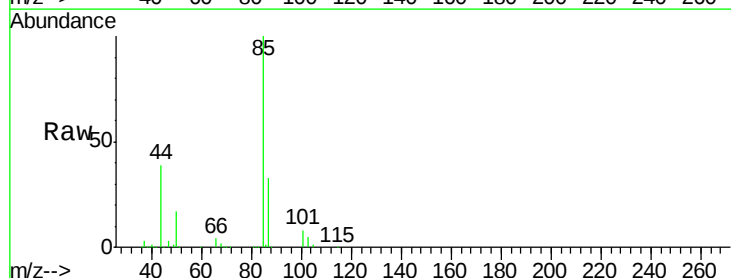
Acq: 18 Jan 2019 16:06

Tgt Ion: 85 Resp: 879661

Ion Ratio Lower Upper

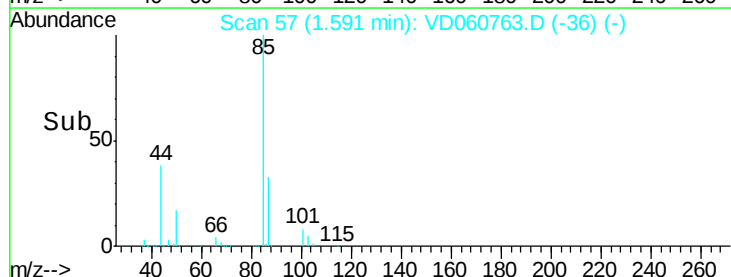
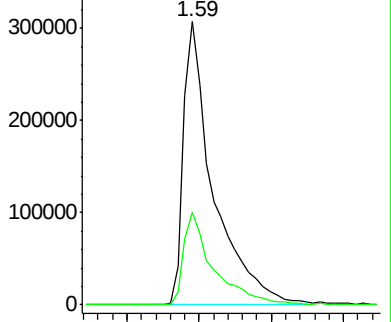
85 100

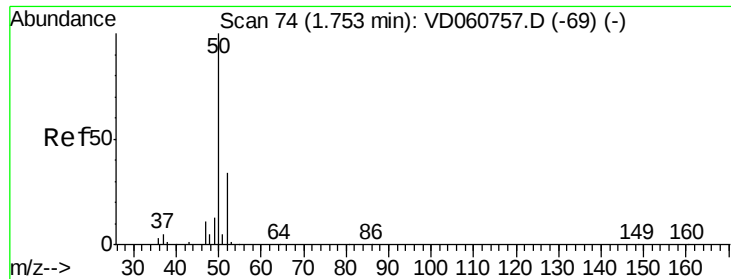
87 32.6 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 28.633 ug/l

RT: 1.76 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

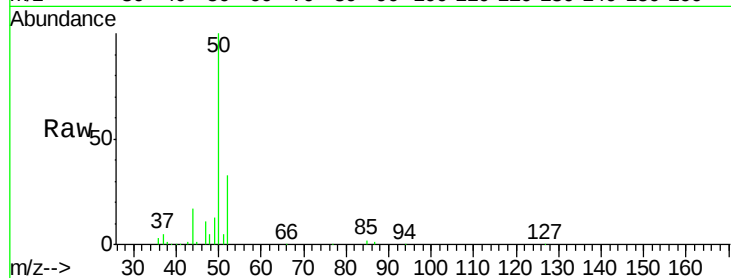
ICVVD011819

Tot Ion: 50 Resp: 519296

Ion Ratio Lower Upper

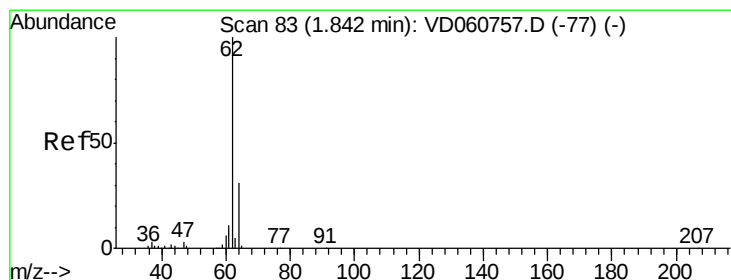
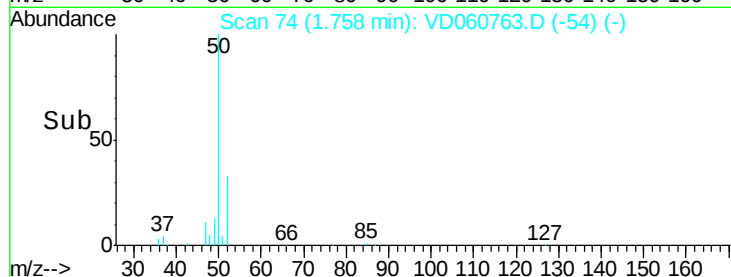
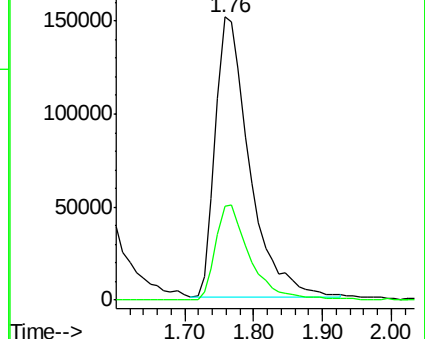
50 100

52 33.3 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 37.556 ug/l

RT: 1.85 min Scan# 83

Delta R.T. -0.00 min

Lab File: VD060763.D

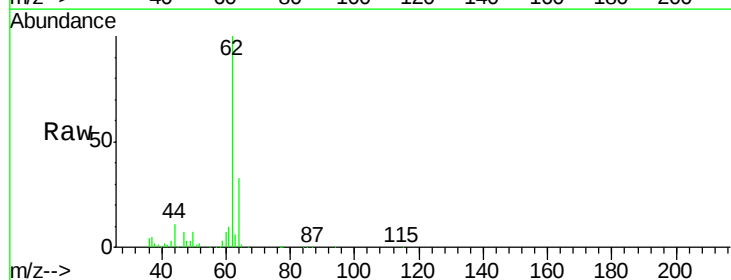
Acq: 18 Jan 2019 16:06

Tgt Ion: 62 Resp: 540773

Ion Ratio Lower Upper

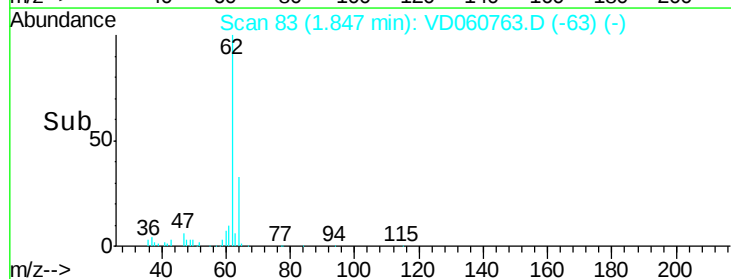
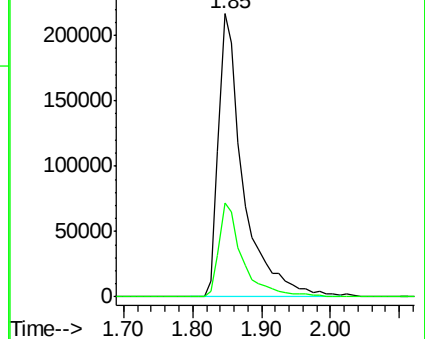
62 100

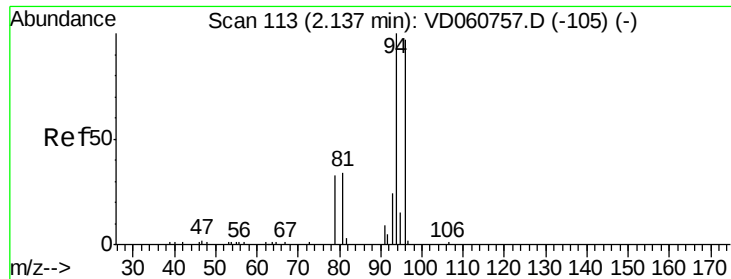
64 33.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 48.833 ug/l

RT: 2.14 min Scan# 113

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

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ClientSampleId :

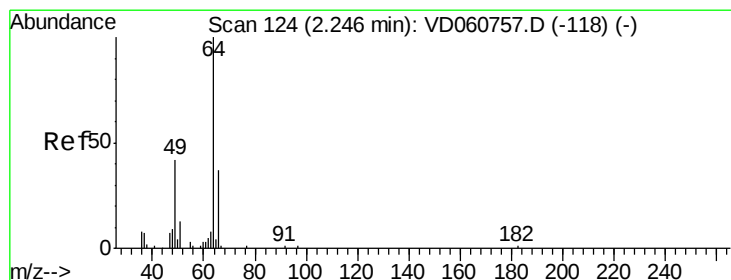
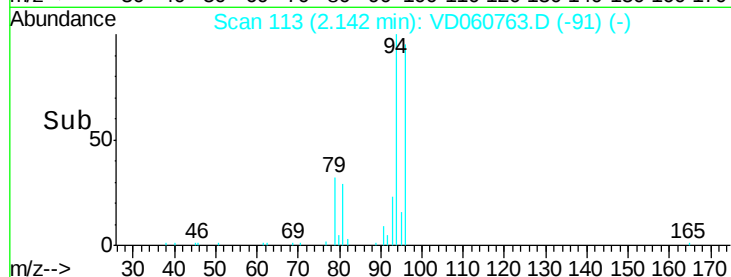
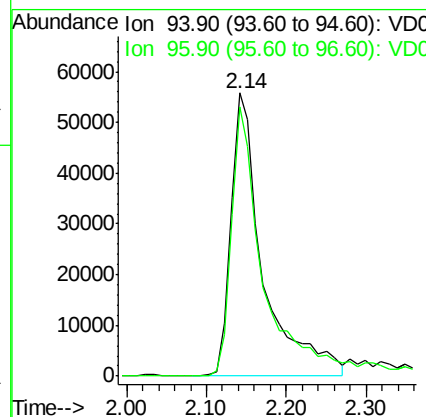
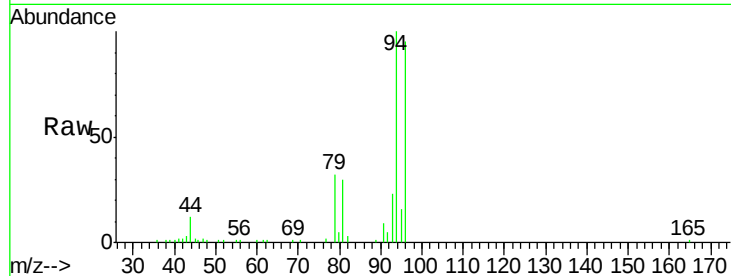
ICVVD011819

Tot Ion: 94 Resp: 157505

Ion Ratio Lower Upper

94 100

96 95.3 77.2 115.8



#6

Chloroethane

Concen: 38.653 ug/l

RT: 2.25 min Scan# 124

Delta R.T. 0.02 min

Lab File: VD060763.D

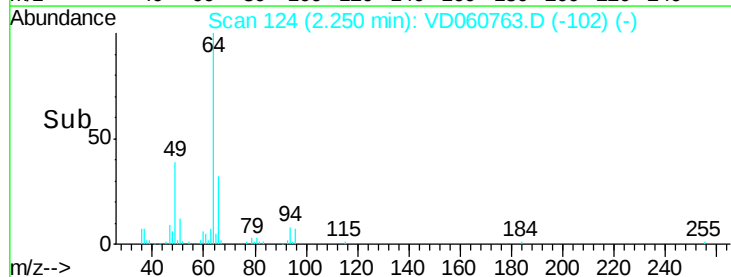
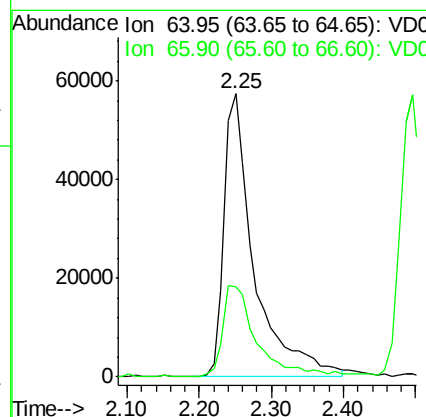
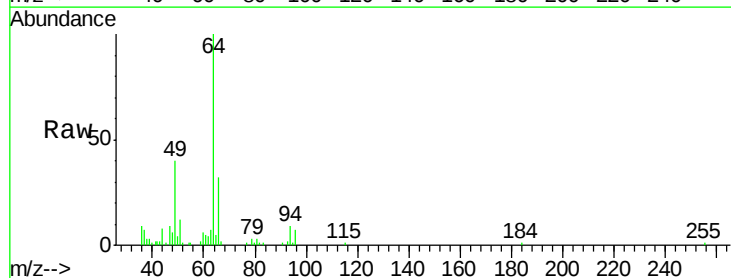
Acq: 18 Jan 2019 16:06

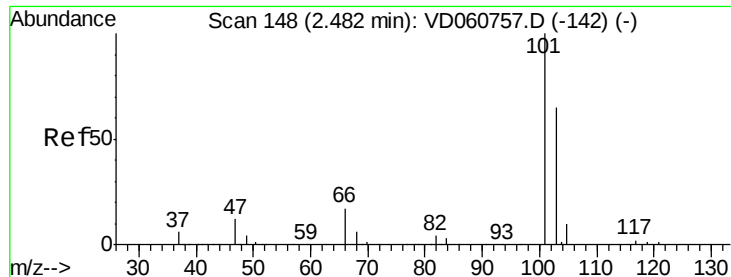
Tgt Ion: 64 Resp: 166098

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



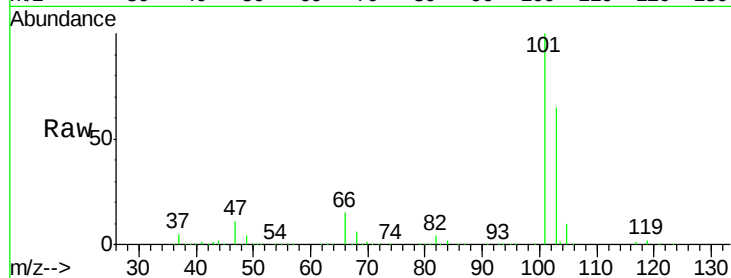


#7

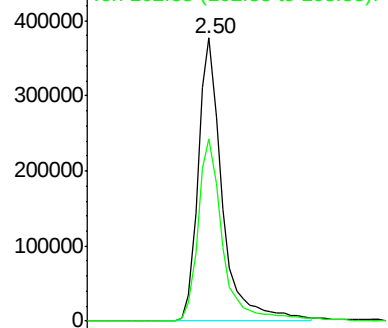
Trichlorofluoromethane
Concen: 57.004 ug/l
RT: 2.50 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

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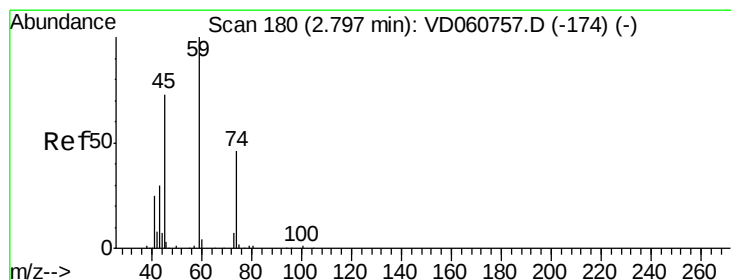
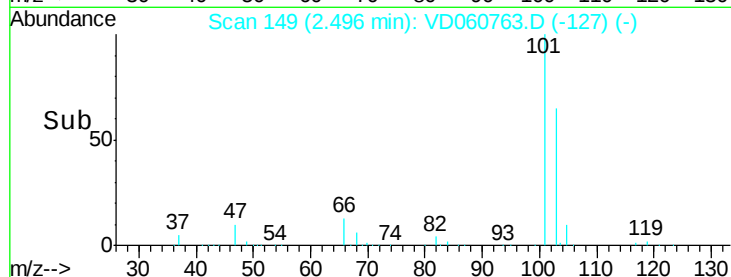
Tot Ion:101 Resp: 912957
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9



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



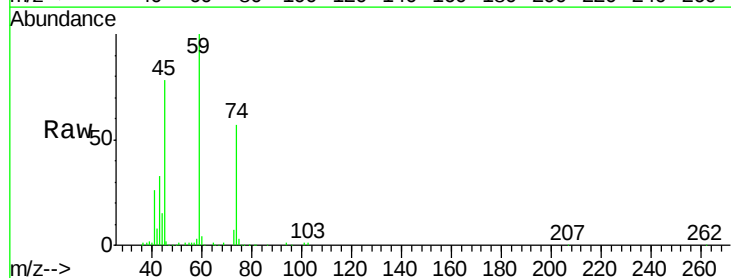
Time-->



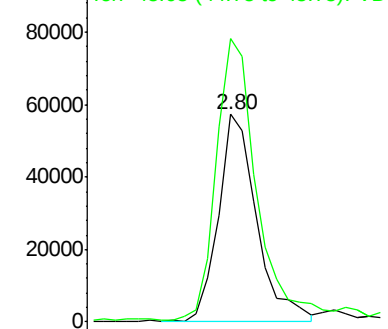
#8

Diethyl Ether
Concen: 48.709 ug/l
RT: 2.80 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

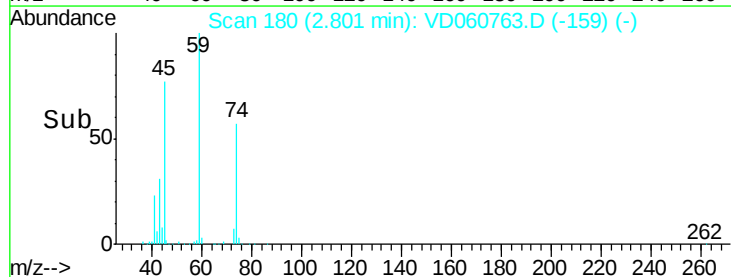
Tgt Ion: 74 Resp: 130516
Ion Ratio Lower Upper
74 100
45 136.5 79.3 238.1

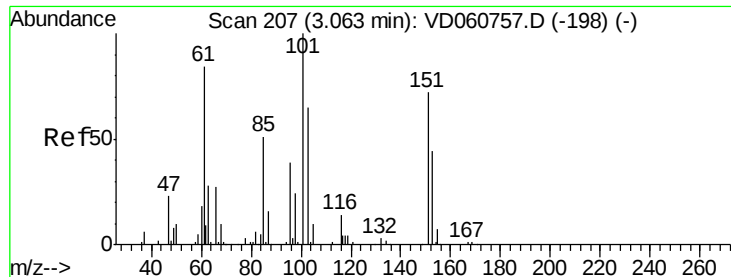


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.737 ug/l

RT: 3.07 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

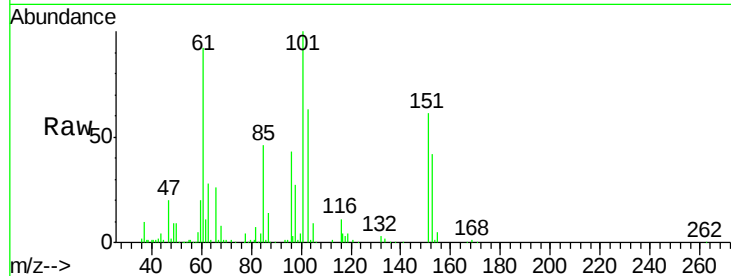
Tot Ion:101 Resp: 464760

Ion Ratio Lower Upper

101 100

85 46.5 33.4 50.0

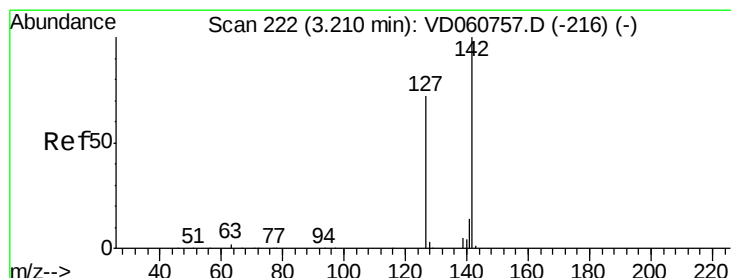
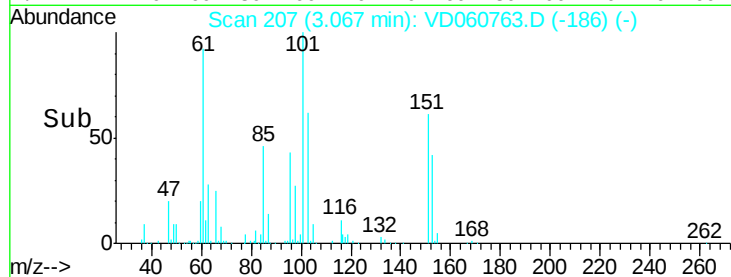
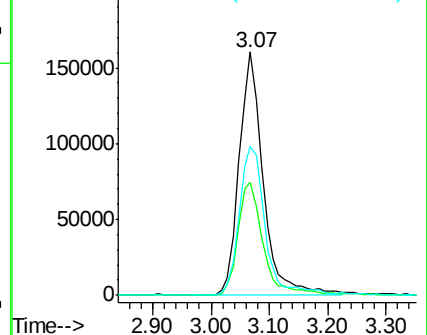
151 61.4 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.139 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

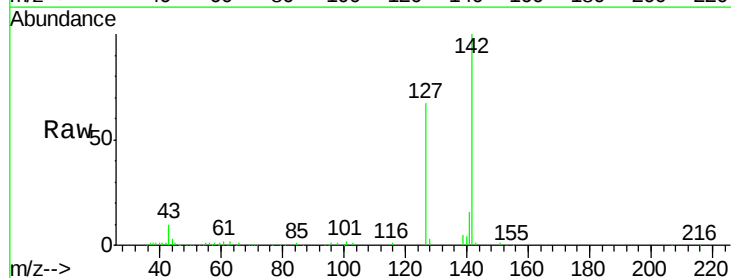
Tgt Ion:142 Resp: 514670

Ion Ratio Lower Upper

142 100

127 67.3 39.5 59.3#

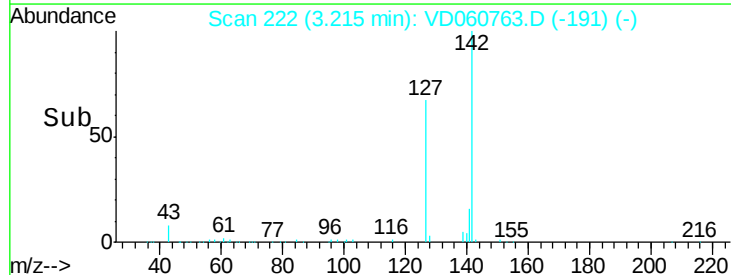
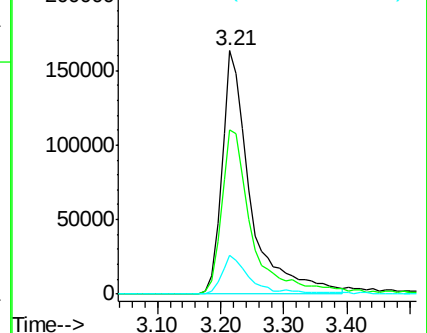
141 15.8 11.3 16.9

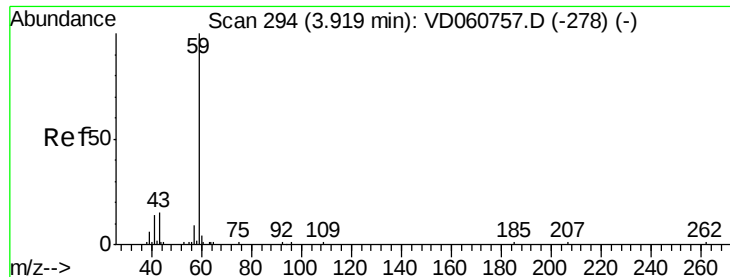


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



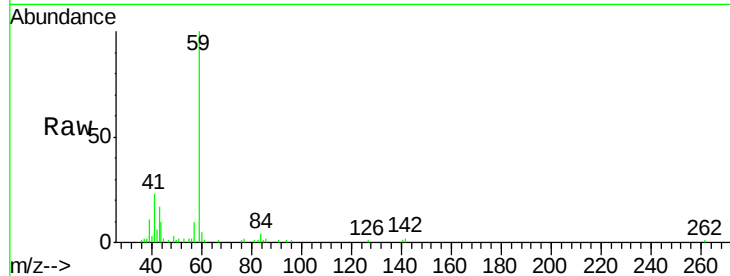


#11

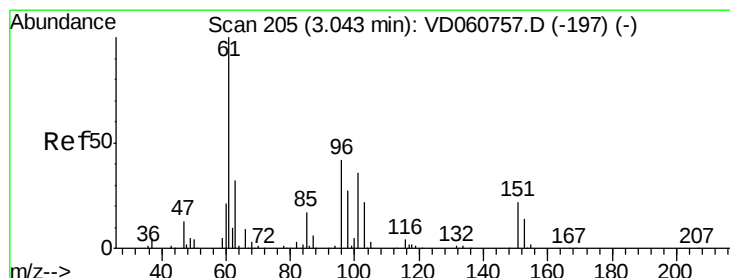
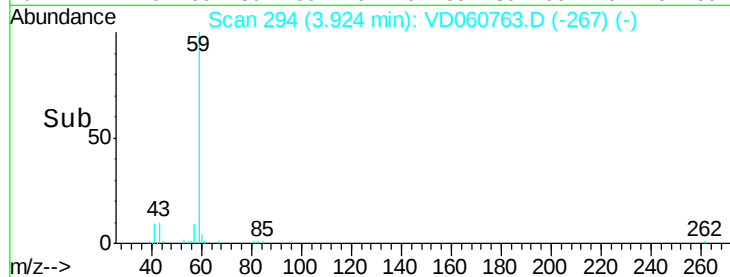
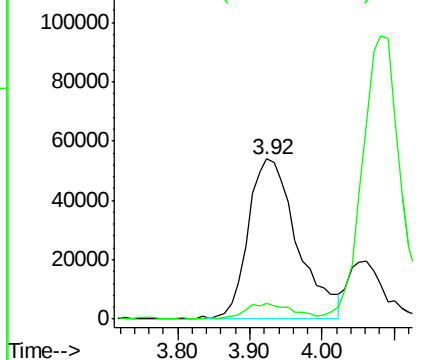
Tert butyl alcohol
Concen: 575.163 ug/l
RT: 3.92 min Scan# 294
Delta R.T. 0.06 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

Tot Ion: 59 Resp: 256194
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6



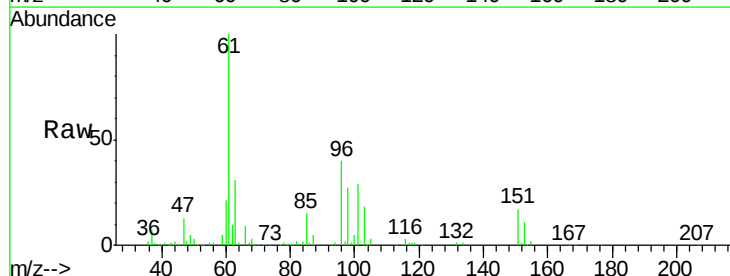
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



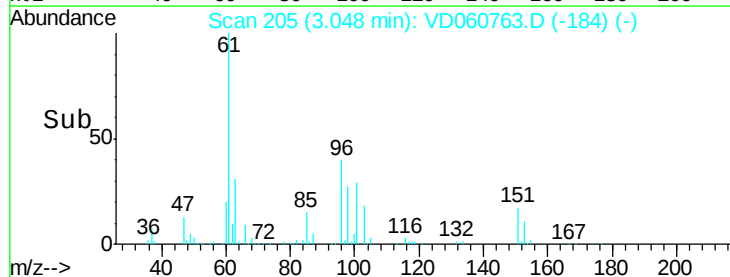
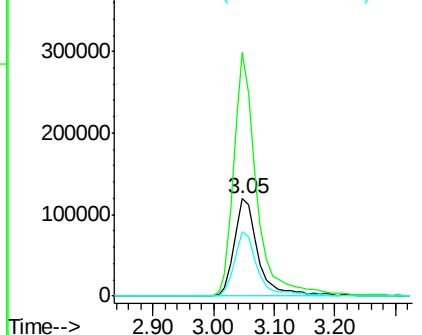
#12

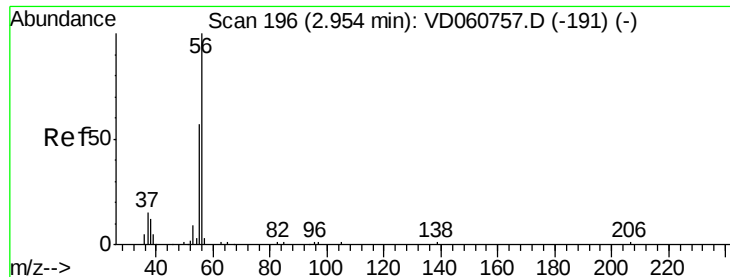
1,1-Dichloroethene
Concen: 38.762 ug/l
RT: 3.05 min Scan# 205
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 96 Resp: 330871
Ion Ratio Lower Upper
96 100
61 249.6 136.2 204.4#
98 66.4 50.7 76.1



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





#13

Acrolein

Concen: 205.780 ug/l

RT: 2.96 min Scan# 196

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

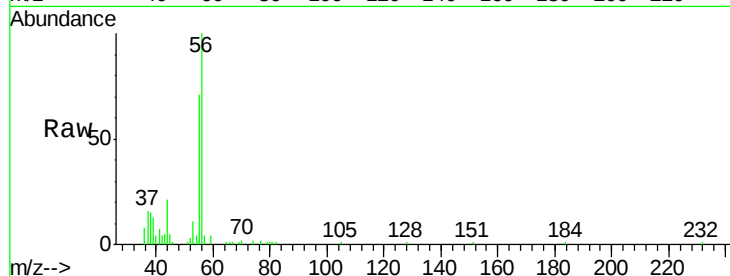
ICVVD011819

Tot Ion: 56 Resp: 93406

Ion Ratio Lower Upper

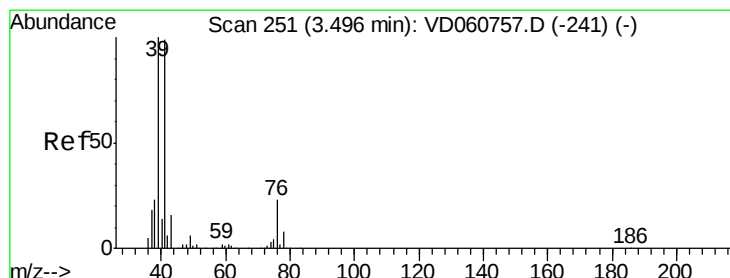
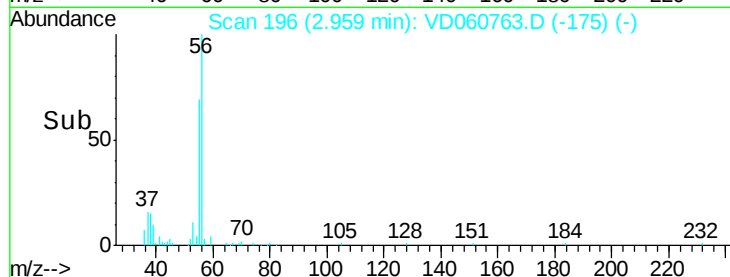
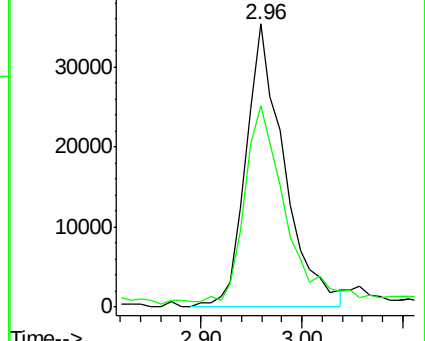
56 100

55 71.1 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.821 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

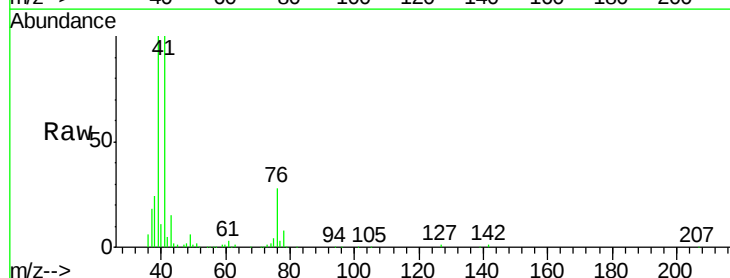
Tgt Ion: 41 Resp: 733356

Ion Ratio Lower Upper

41 100

39 100.1 59.6 89.4#

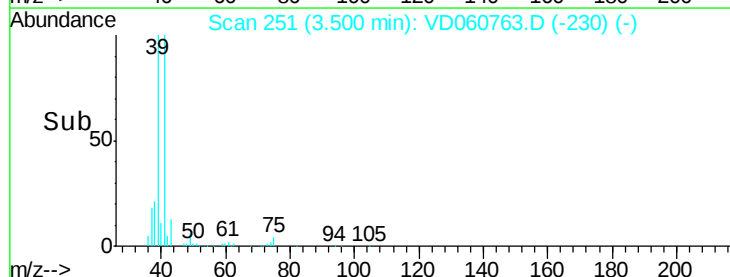
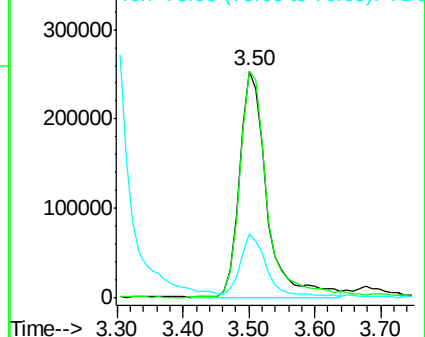
76 28.2 21.8 32.6

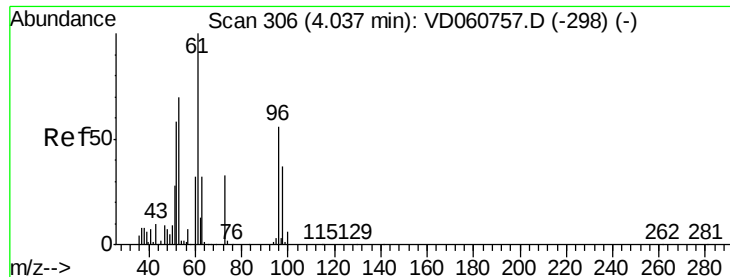


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 293.328 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.03 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

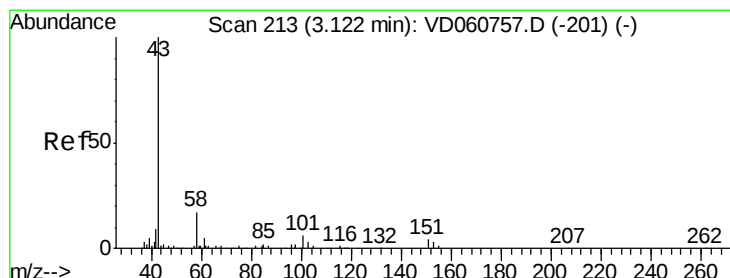
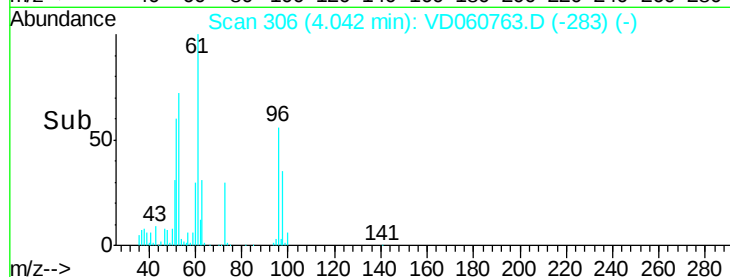
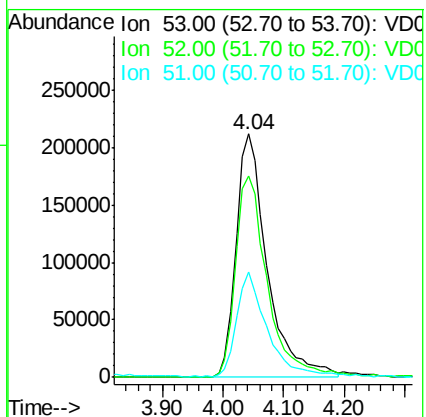
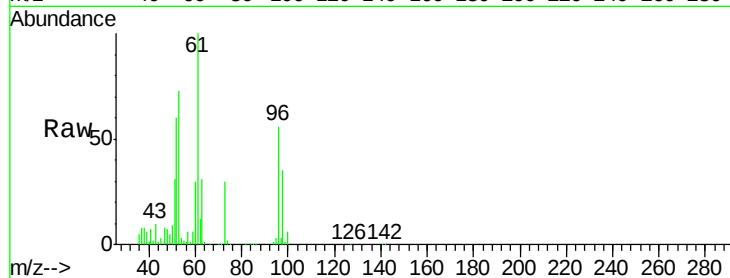
Tot Ion: 53 Resp: 758544

Ion Ratio Lower Upper

53 100

52 82.6 66.7 100.1

51 43.1 32.7 49.1



#16

Acetone

Concen: 342.256 ug/l

RT: 3.13 min Scan# 213

Delta R.T. 0.02 min

Lab File: VD060763.D

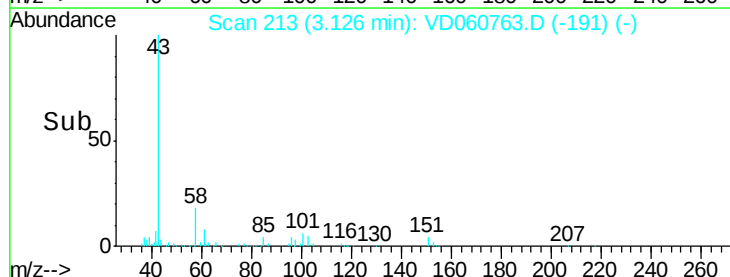
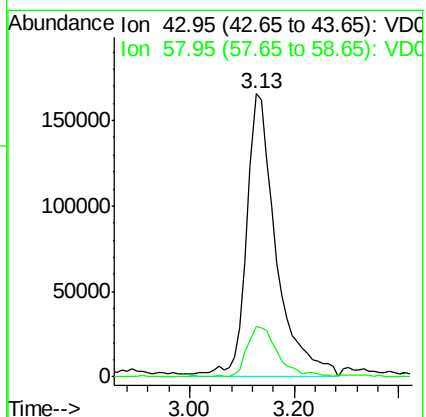
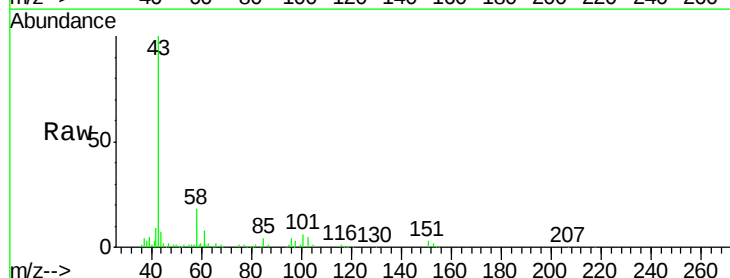
Acq: 18 Jan 2019 16:06

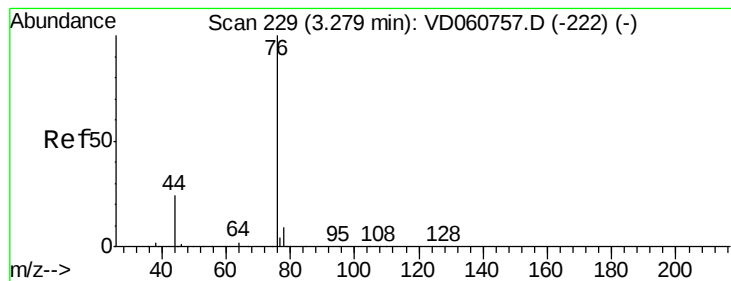
Tgt Ion: 43 Resp: 637041

Ion Ratio Lower Upper

43 100

58 17.9 18.2 27.2#





#17

Carbon Disulfide

Concen: 41.475 ug/l

RT: 3.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

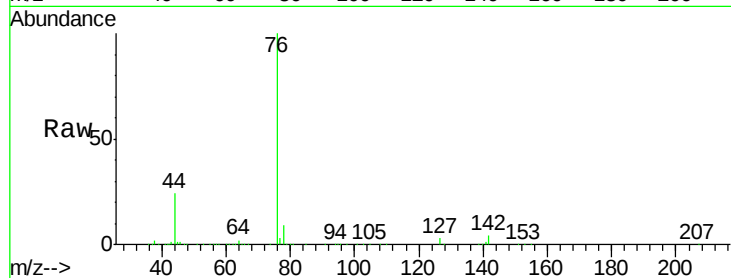
ICVVD011819

Tot Ion: 76 Resp: 1130661

Ion Ratio Lower Upper

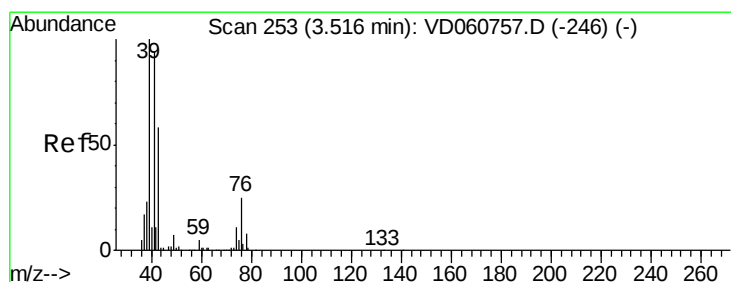
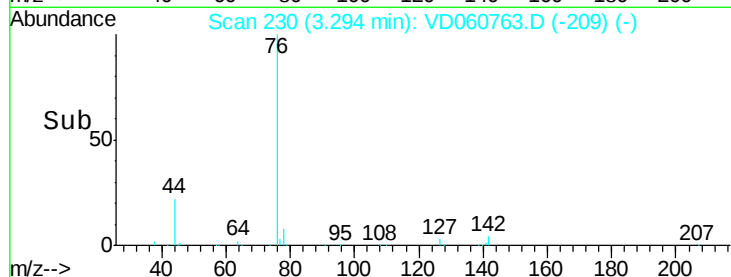
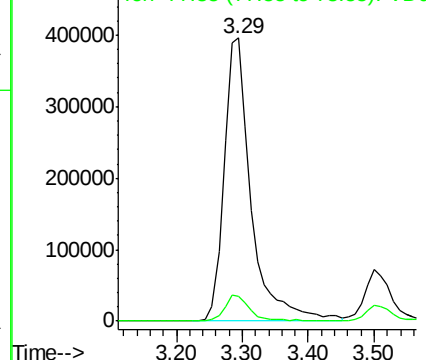
76 100

78 8.5 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 53.752 ug/l

RT: 3.52 min Scan# 253

Delta R.T. 0.03 min

Lab File: VD060763.D

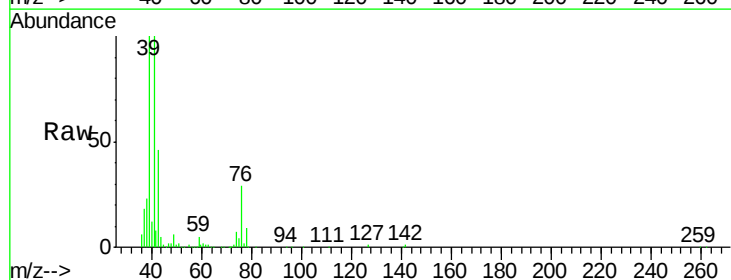
Acq: 18 Jan 2019 16:06

Tgt Ion: 43 Resp: 247951

Ion Ratio Lower Upper

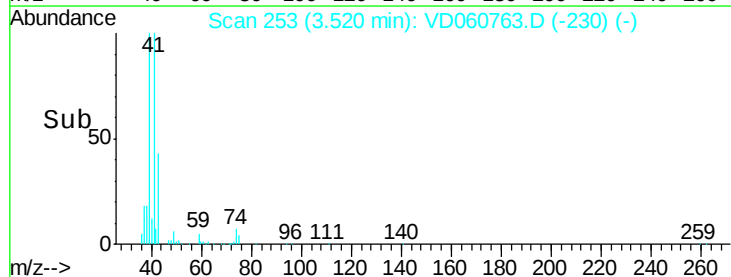
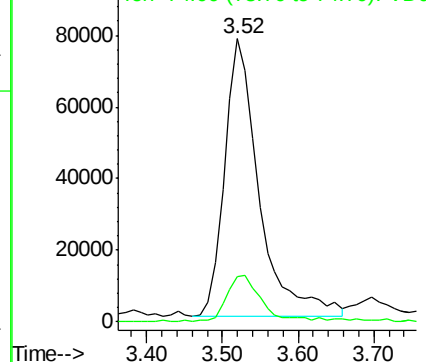
43 100

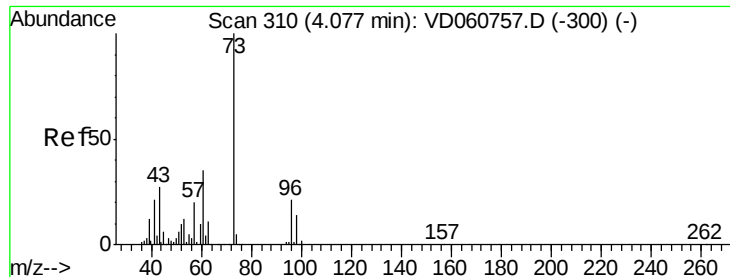
74 15.8 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

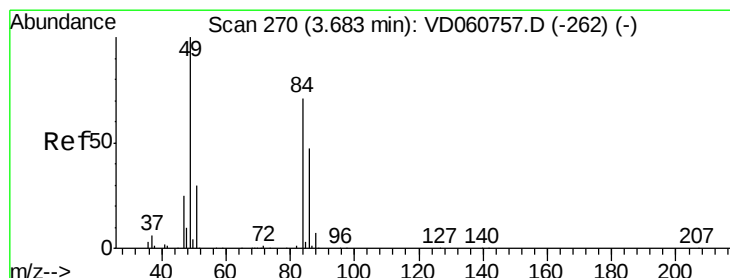
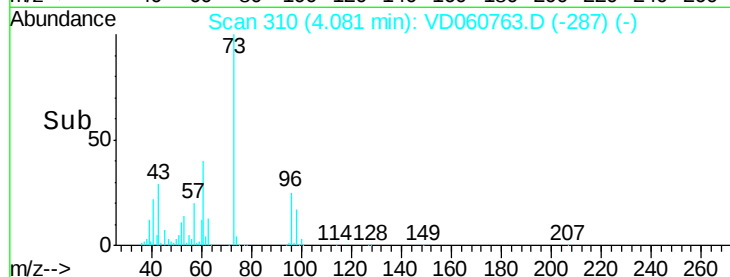
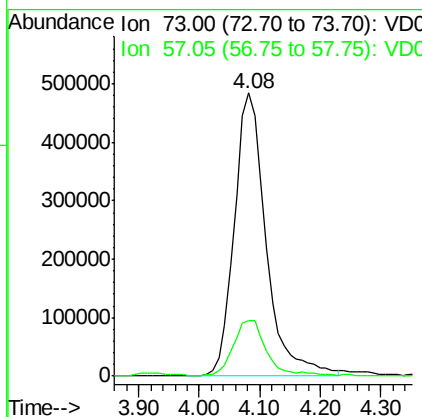
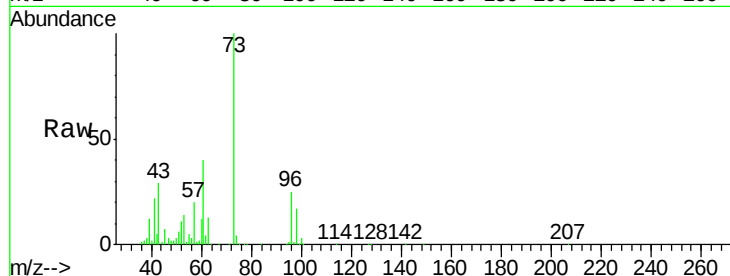




#19
Methyl tert-butyl Ether
Concen: 81.817 ug/l
RT: 4.08 min Scan# 310
Delta R.T. 0.03 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

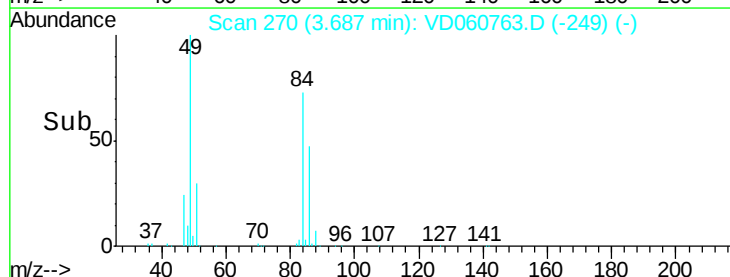
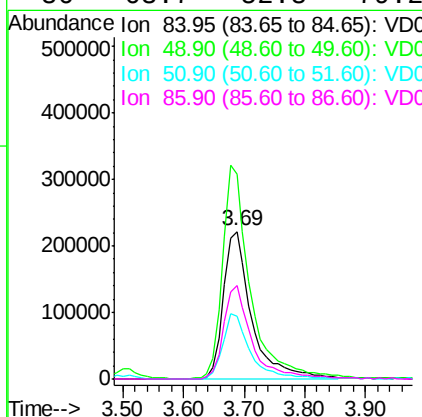
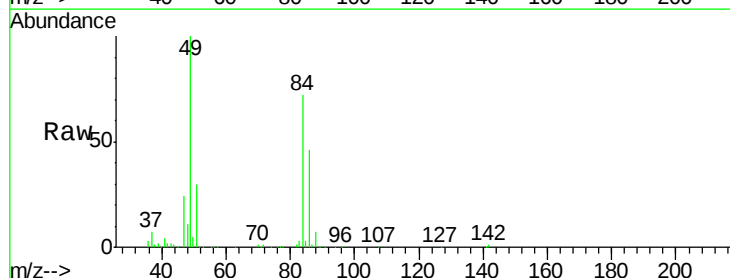
Instrument :
MSVOA_D
ClientSampled :
ICVVD011819

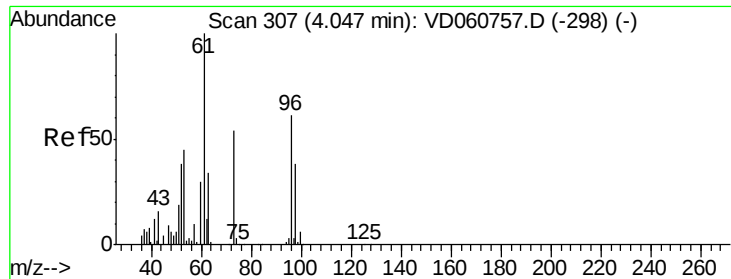
Tot Ion: 73 Resp: 1771860
Ion Ratio Lower Upper
73 100
57 19.7 17.6 26.4



#20
Methylene Chloride
Concen: 37.340 ug/l
RT: 3.69 min Scan# 270
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 84 Resp: 721789
Ion Ratio Lower Upper
84 100
49 138.6 113.6 170.4
51 42.2 34.7 52.1
86 63.7 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 45.107 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

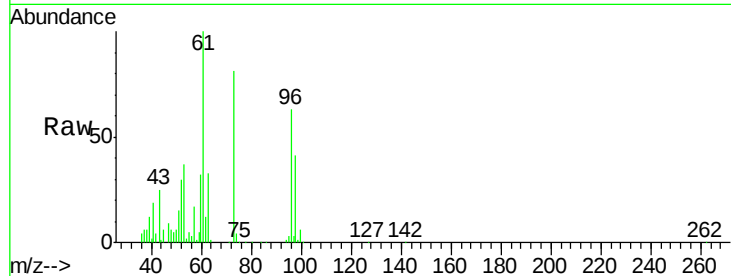
Tot Ion: 96 Resp: 788535

Ion Ratio Lower Upper

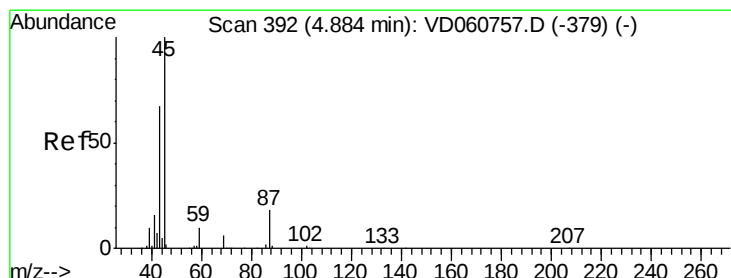
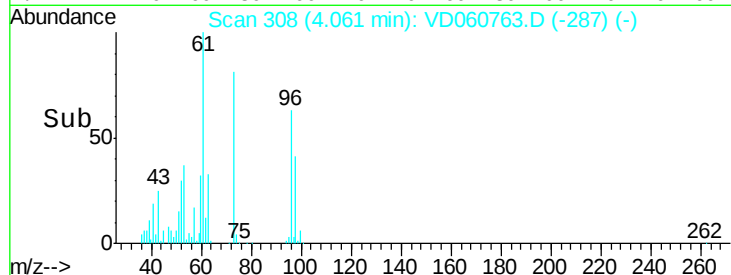
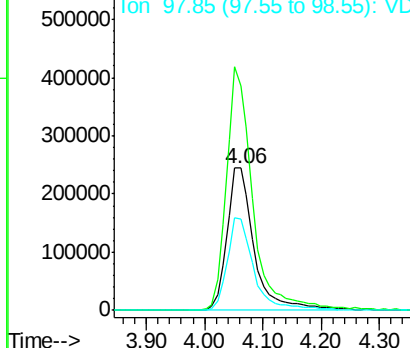
96 100

61 157.6 104.2 156.2#

98 64.3 51.2 76.8



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



#22

Diisopropyl ether

Concen: 48.309 ug/l

RT: 4.89 min Scan# 392

Delta R.T. 0.04 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Tgt Ion: 45 Resp: 2569101

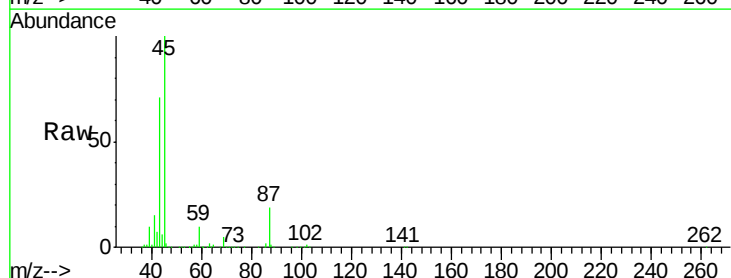
Ion Ratio Lower Upper

45 100

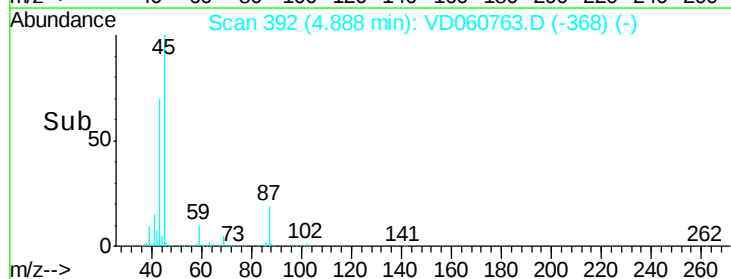
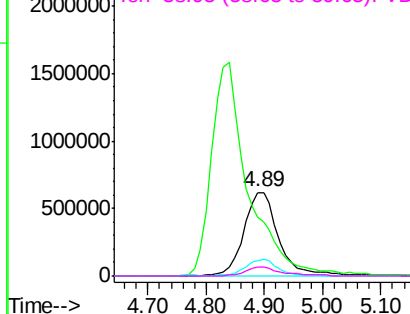
43 70.5 46.1 69.1#

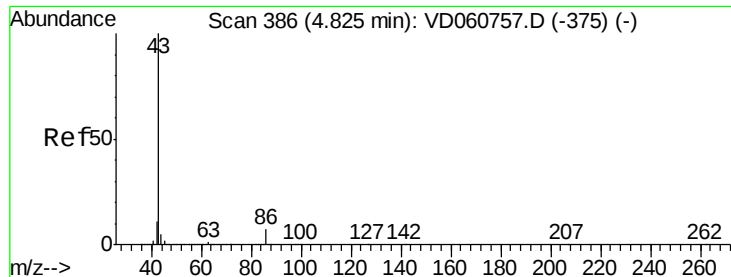
87 19.1 13.7 20.5

59 10.2 7.4 11.0



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: 263.472 ug/l

RT: 4.84 min Scan# 387

Delta R.T. 0.04 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

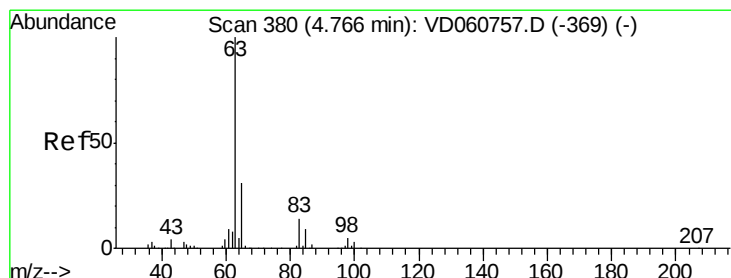
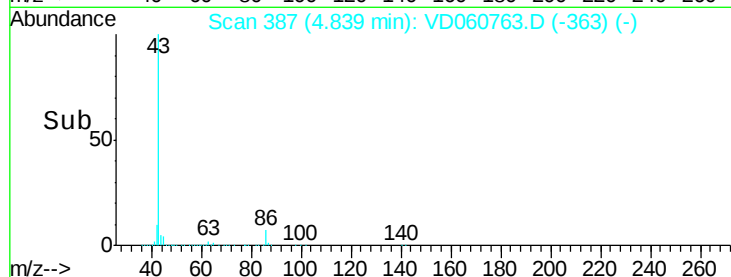
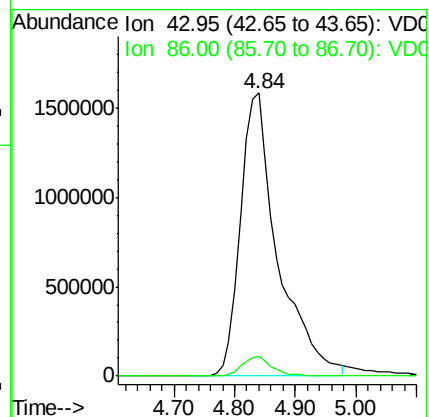
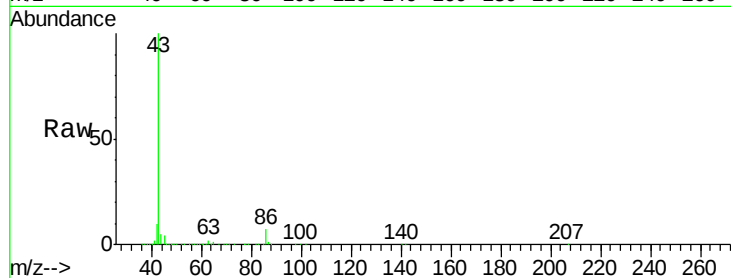
ICVVD011819

Tot Ion: 43 Resp: 6778871

Ion Ratio Lower Upper

43 100

86 6.8 5.6 8.4



#24

1,1-Dichloroethane

Concen: 53.332 ug/l

RT: 4.77 min Scan# 380

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

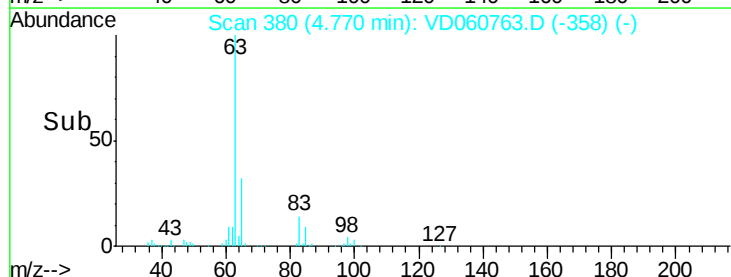
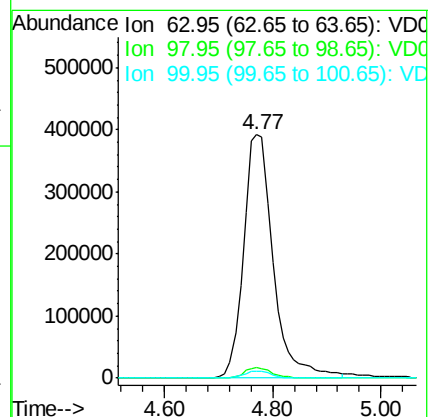
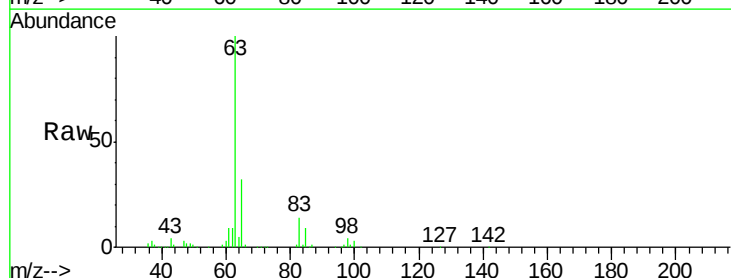
Tgt Ion: 63 Resp: 1491823

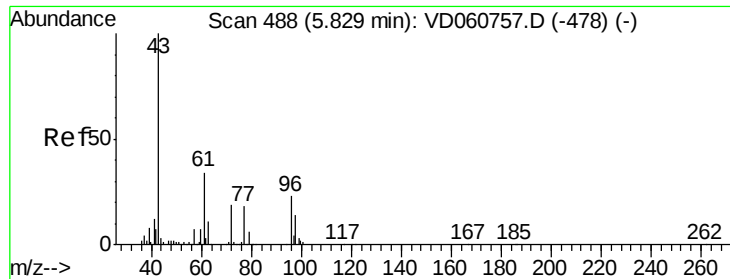
Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.7

100 2.6 2.0 5.8





#25

2-Butanone

Concen: 297.273 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.05 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

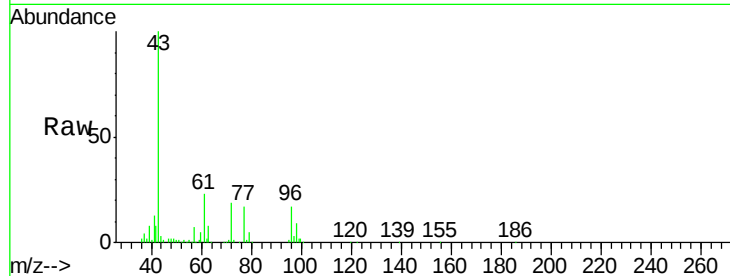
ICVVD011819

Tot Ion: 43 Resp: 1058805

Ion Ratio Lower Upper

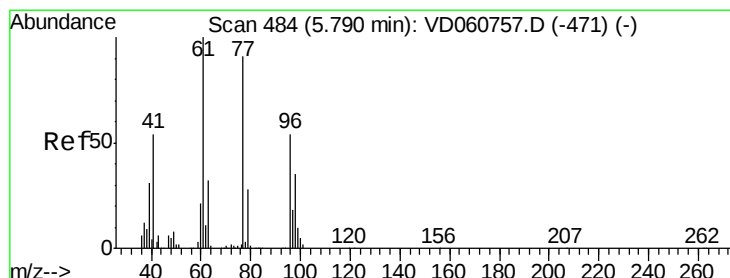
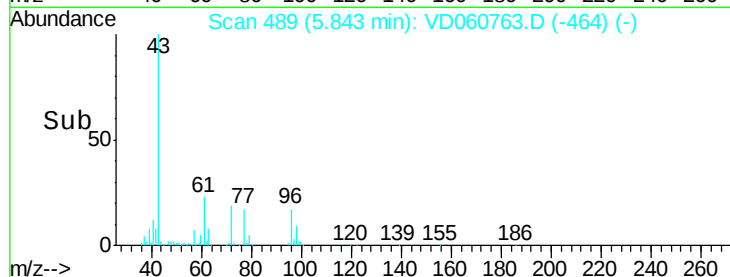
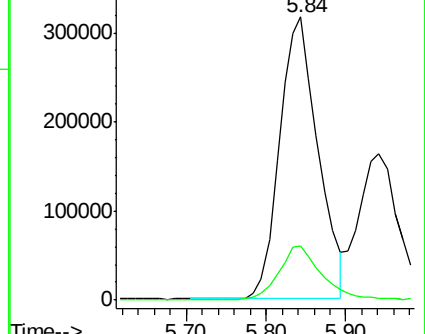
43 100

72 19.2 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 64.838 ug/l

RT: 5.78 min Scan# 483

Delta R.T. 0.02 min

Lab File: VD060763.D

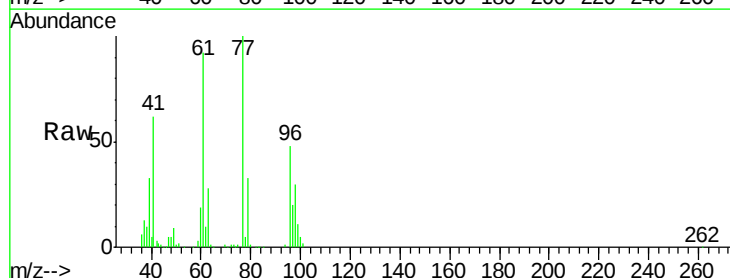
Acq: 18 Jan 2019 16:06

Tgt Ion: 77 Resp: 1431645

Ion Ratio Lower Upper

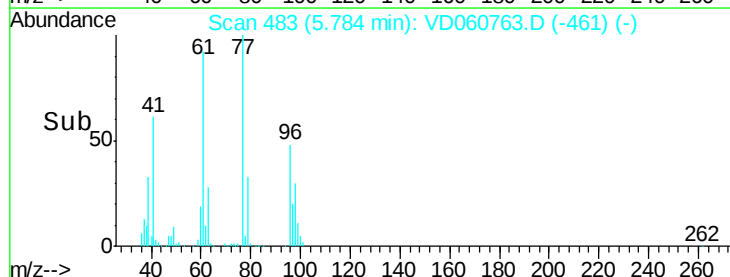
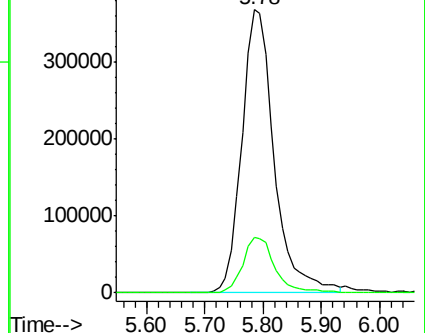
77 100

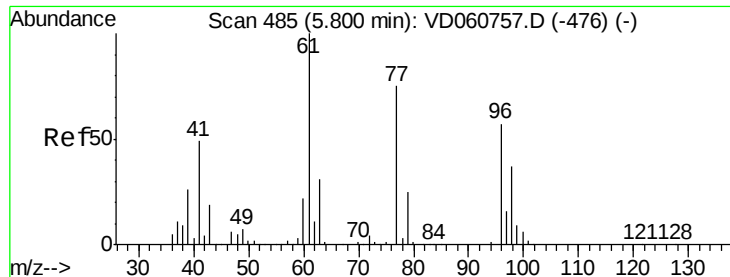
97 19.9 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



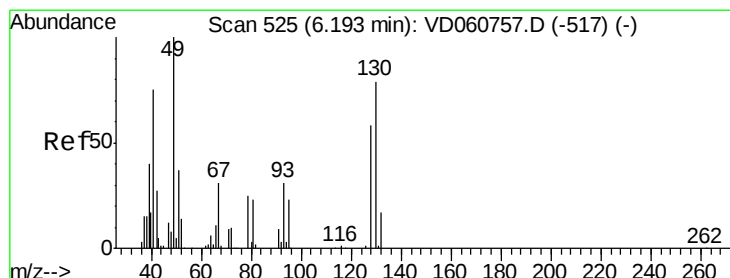
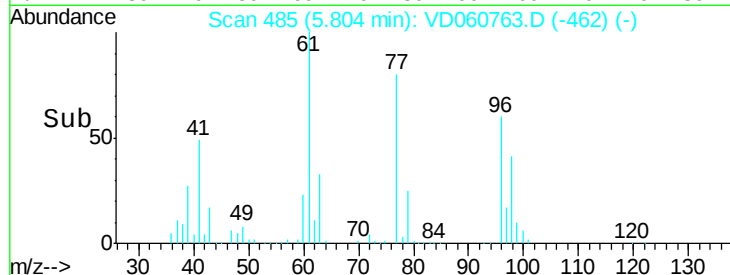
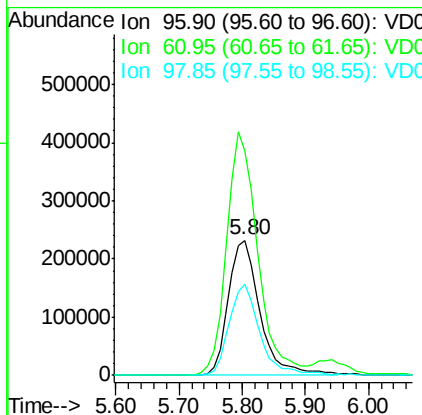
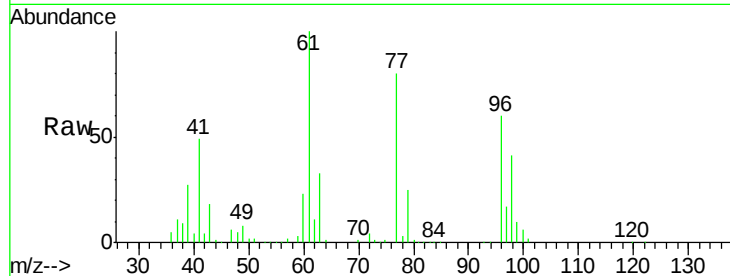


#27

cis-1,2-Dichloroethene
Concen: 45.514 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

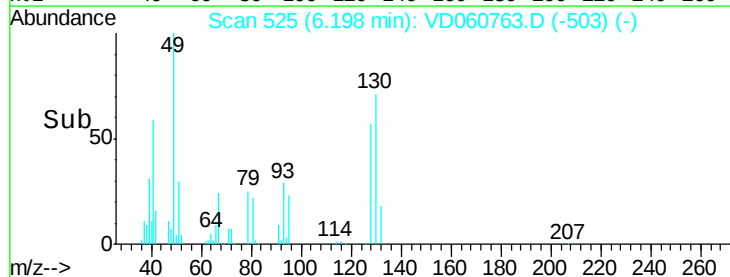
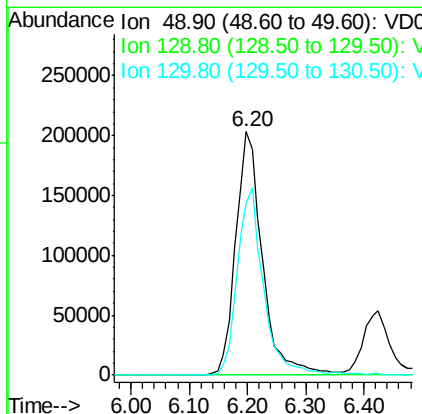
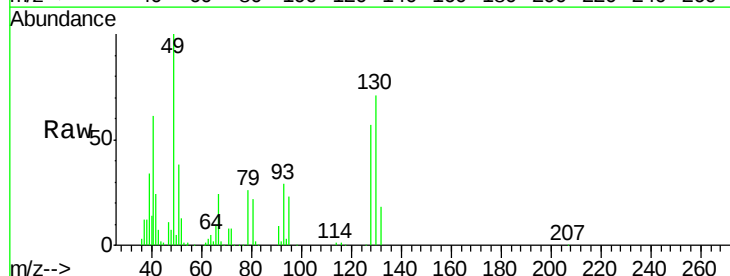
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.9	0.0	259.4
98	67.6	0.0	130.0

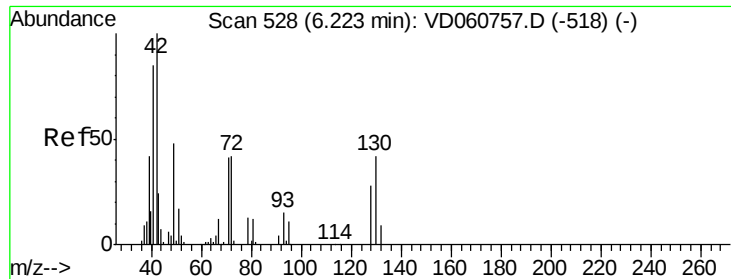


#28

Bromochloromethane
Concen: 54.641 ug/l
RT: 6.20 min Scan# 525
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	70.6	56.2	84.2





#29

Tetrahydrofuran

Concen: 285.136 ug/l

RT: 6.23 min Scan# 528

Delta R.T. 0.04 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

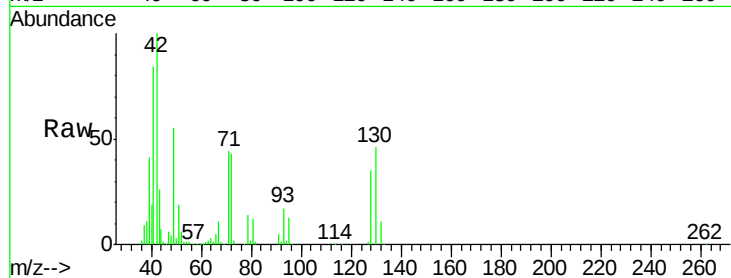
Tot Ion: 42 Resp: 575730

Ion Ratio Lower Upper

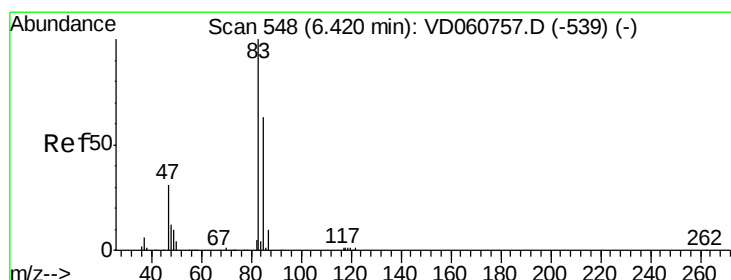
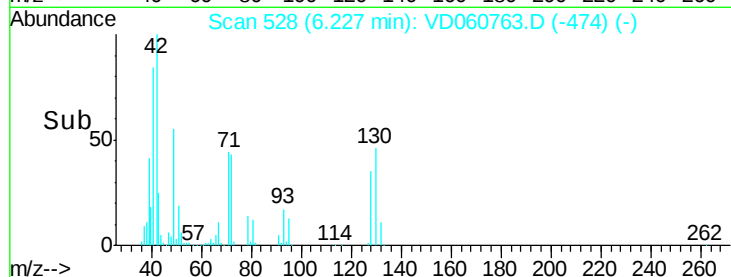
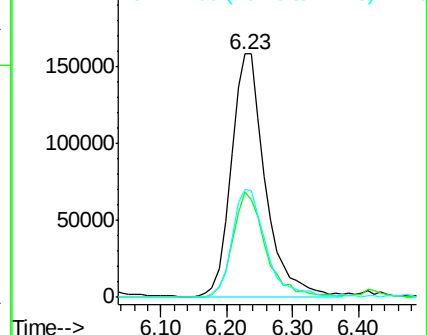
42 100

72 41.7 28.0 42.0

71 44.2 27.0 40.6#



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



#30

Chloroform

Concen: 59.244 ug/l

RT: 6.42 min Scan# 548

Delta R.T. 0.03 min

Lab File: VD060763.D

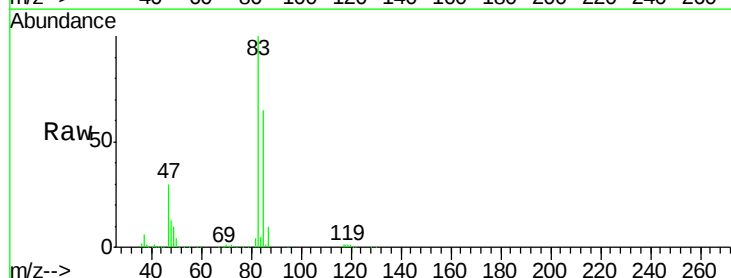
Acq: 18 Jan 2019 16:06

Tgt Ion: 83 Resp: 1667546

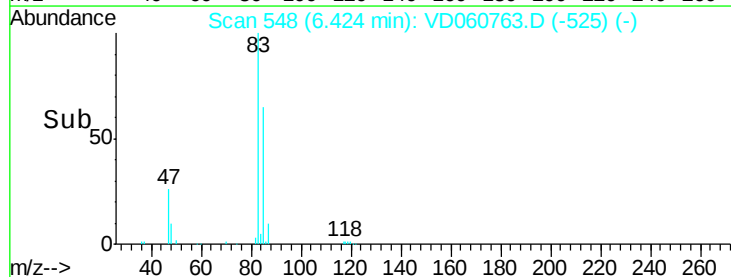
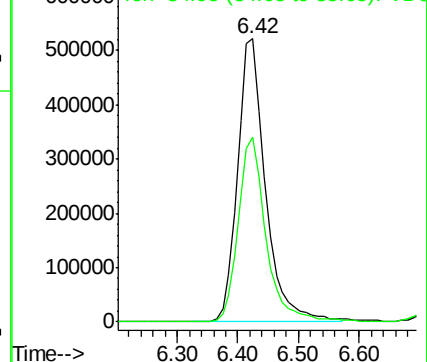
Ion Ratio Lower Upper

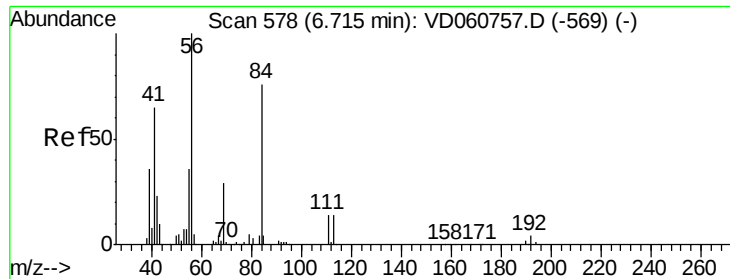
83 100

85 65.4 53.0 79.6



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

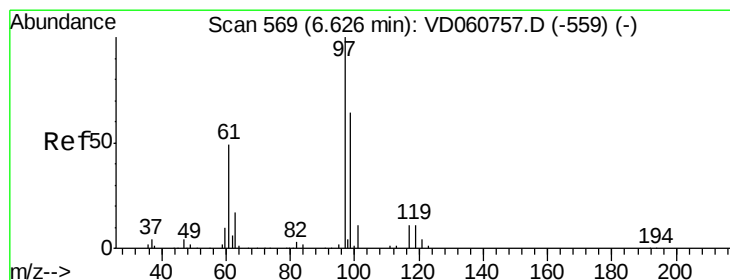
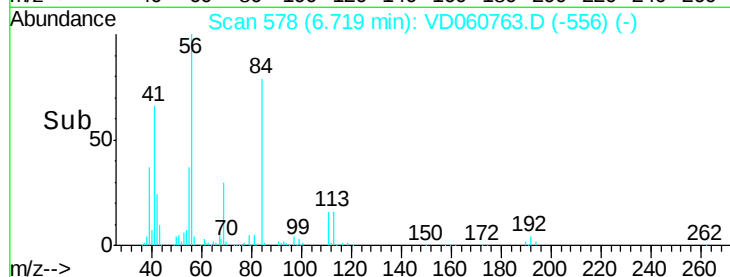
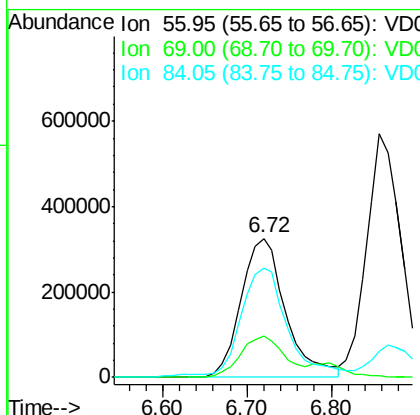
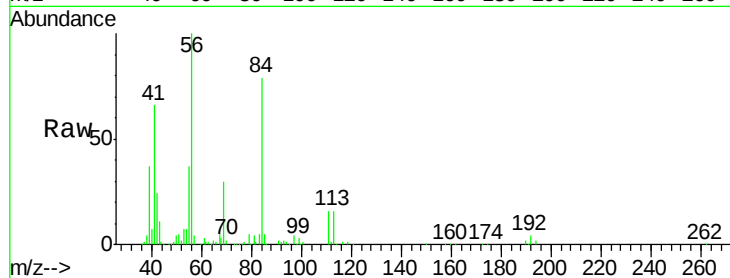




#31
Cyclohexane
Concen: 44.781 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

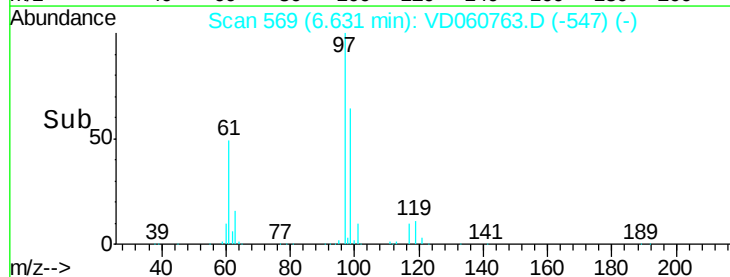
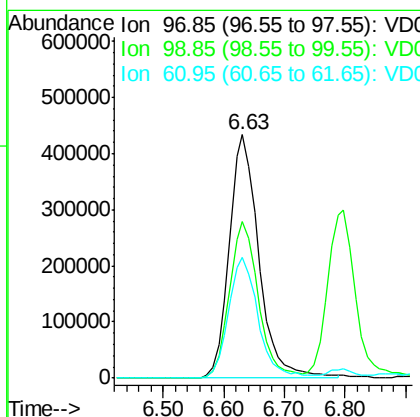
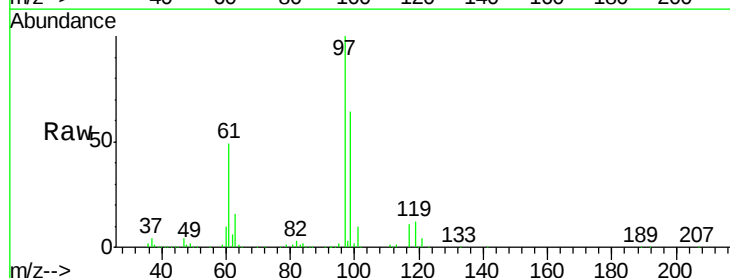
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

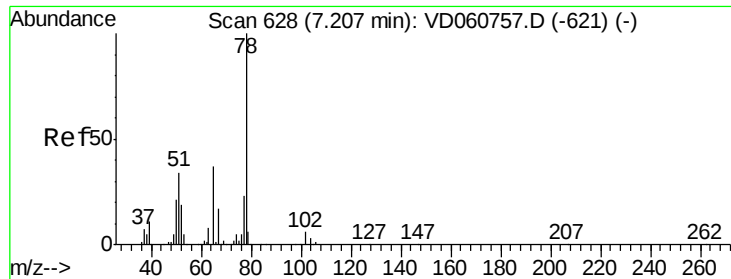
Tot Ion: 56 Resp: 1205472
Ion Ratio Lower Upper
56 100
69 30.2 23.6 35.4
84 79.0 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 63.170 ug/l
RT: 6.63 min Scan# 569
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 97 Resp: 1471028
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 49.4 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 63.170 ug/l

RT: 7.21 min Scan# 628

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

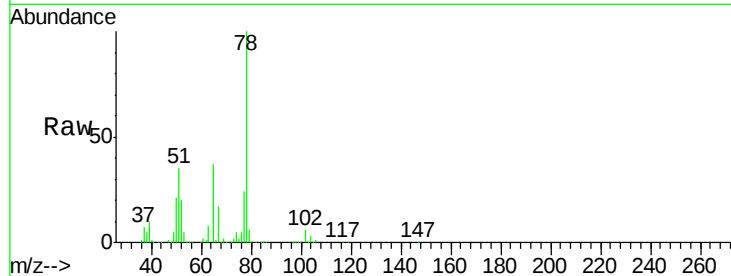
ICVVD011819

Tot Ion: 65 Resp: 905910

Ion Ratio Lower Upper

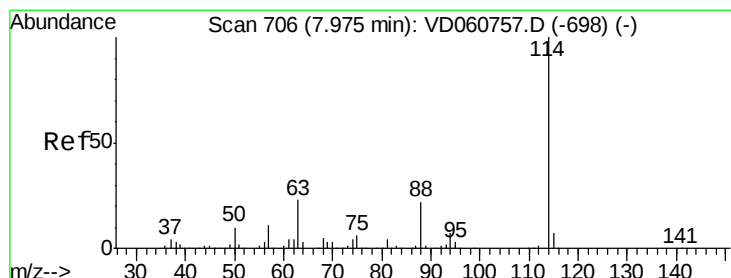
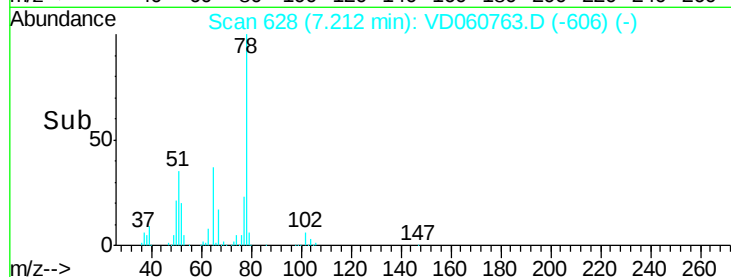
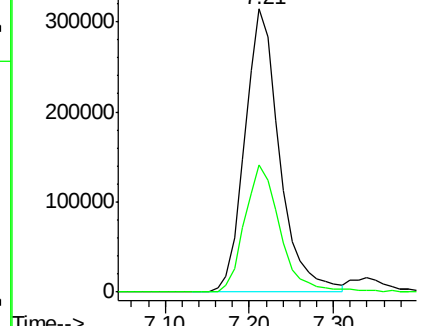
65 100

67 44.7 0.0 105.4



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: 7.98 min Scan# 706

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

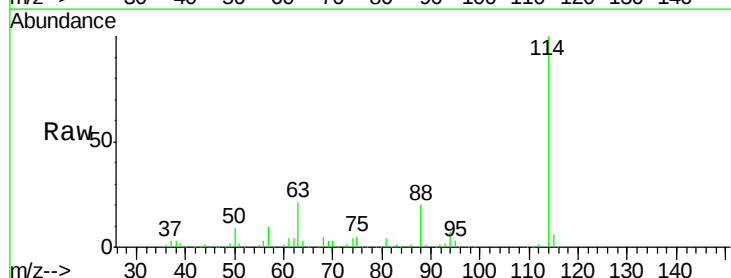
Tgt Ion: 114 Resp: 2297369

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.2

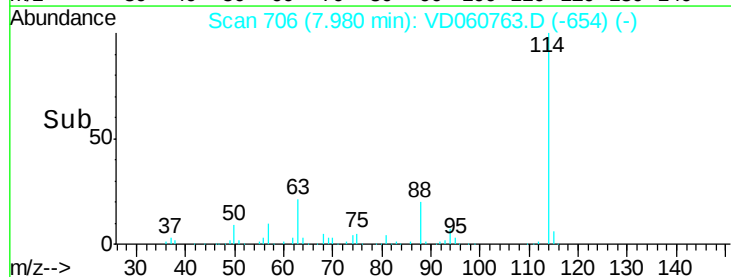
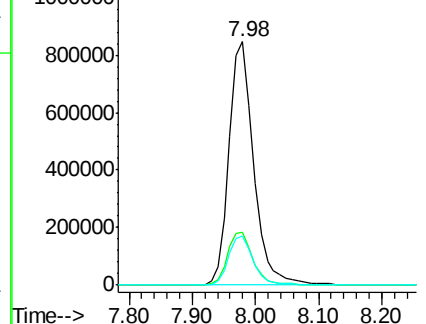
88 20.0 0.0 37.0

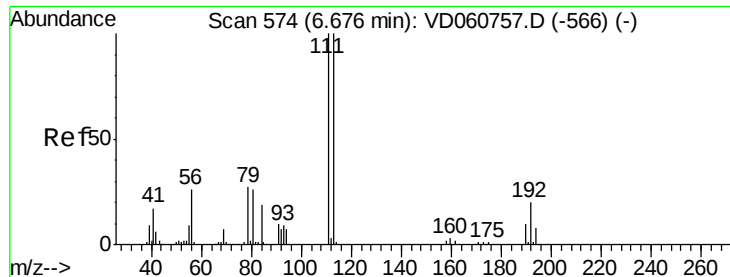


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.68 min Scan# 574

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

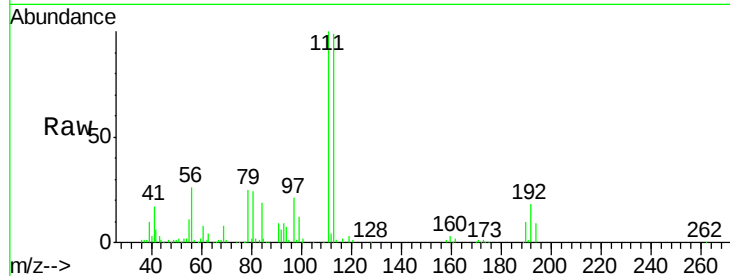
Tot Ion:113 Resp: 897398

Ion Ratio Lower Upper

113 100

111 101.1 80.0 120.0

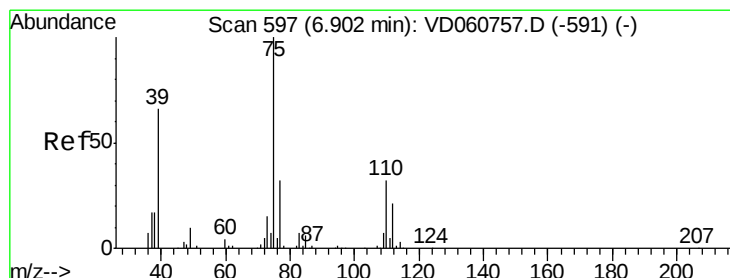
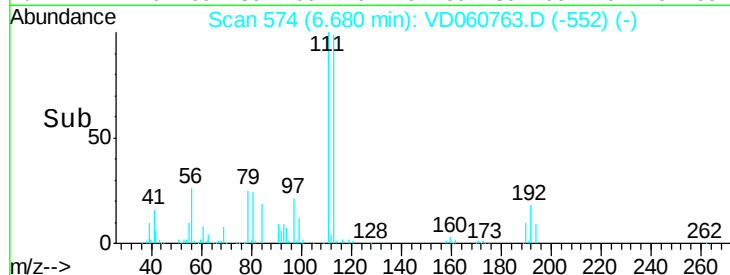
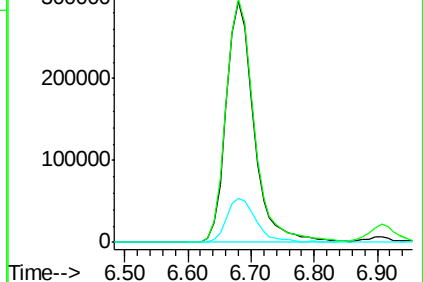
192 18.4 16.6 25.0



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: 48.170 ug/l

RT: 6.91 min Scan# 597

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

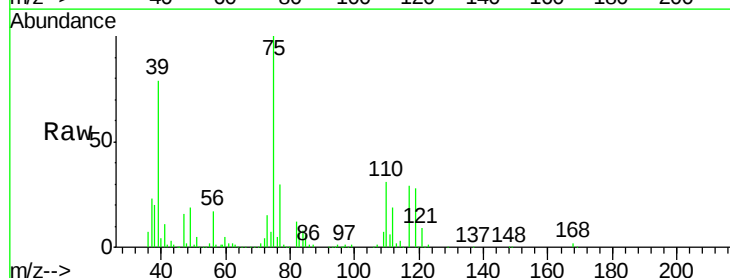
Tgt Ion: 75 Resp: 1139534

Ion Ratio Lower Upper

75 100

110 30.9 18.9 56.7

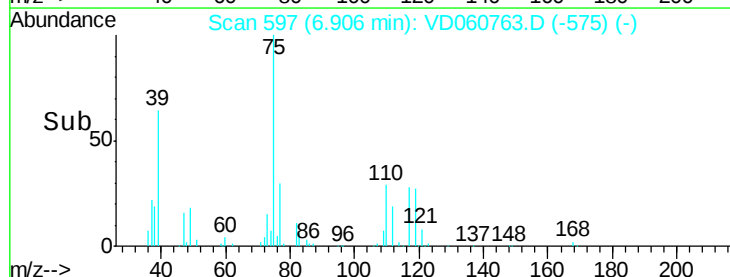
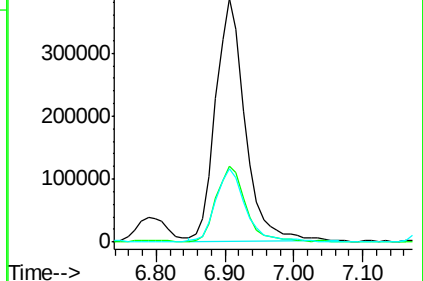
77 30.4 25.4 38.0

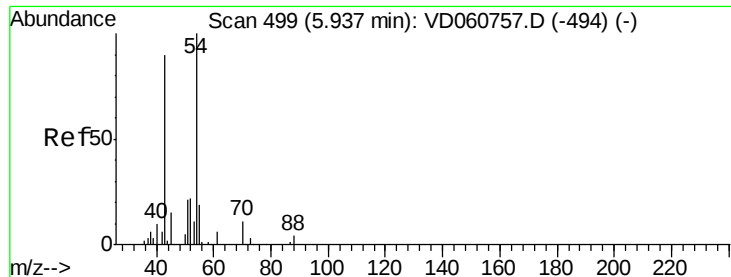


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

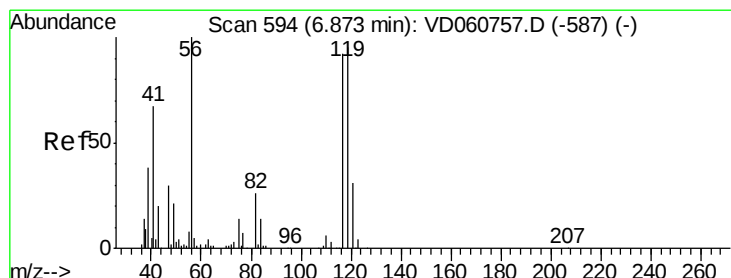
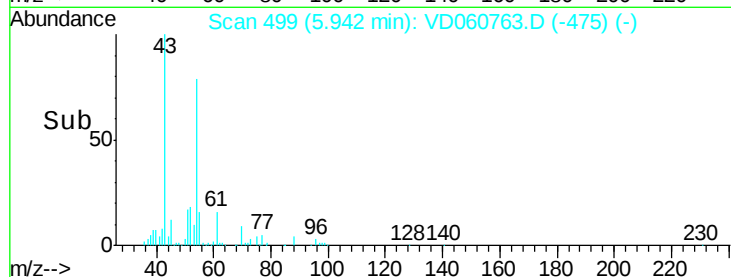
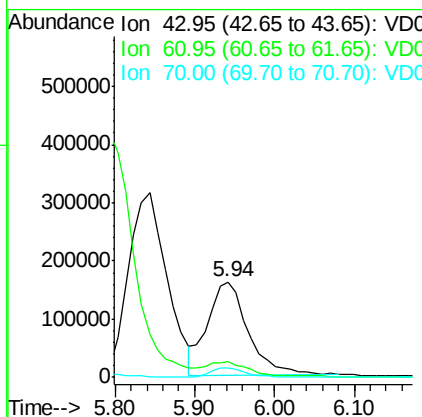
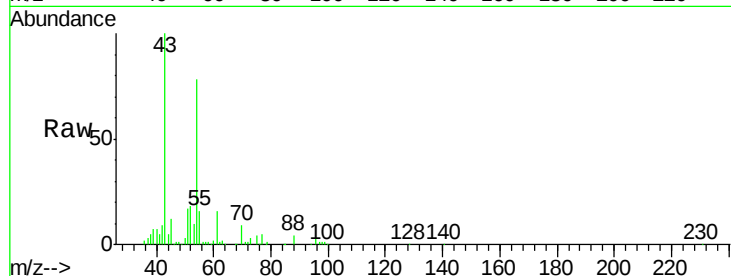




#37
Ethyl Acetate
Concen: 58.004 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.04 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

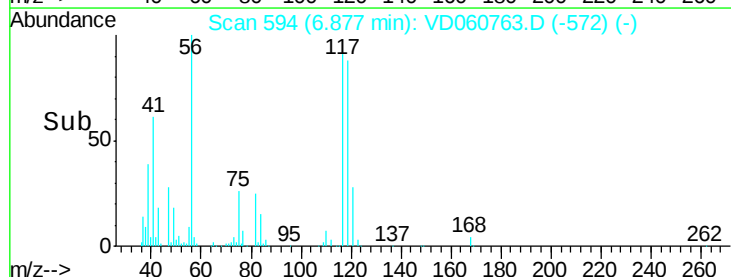
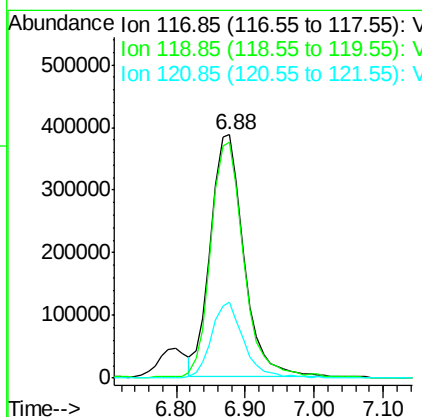
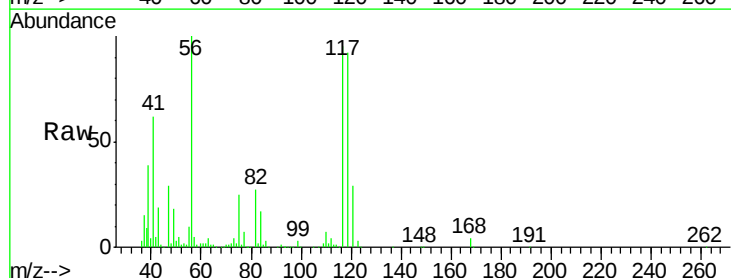
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

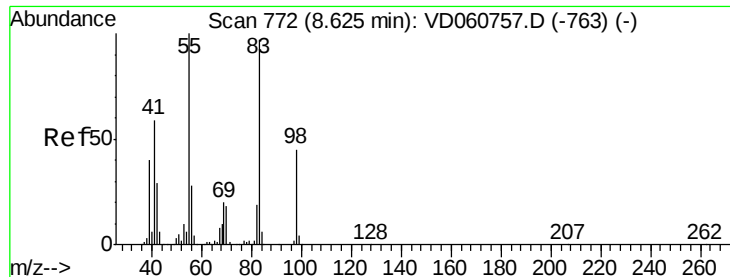
Tot Ion: 43 Resp: 573880
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 9.4 5.8 8.6#



#38
Carbon Tetrachloride
Concen: 62.128 ug/l
RT: 6.88 min Scan# 594
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 117 Resp: 1296635
Ion Ratio Lower Upper
117 100
119 96.8 77.0 115.4
121 31.0 24.7 37.1

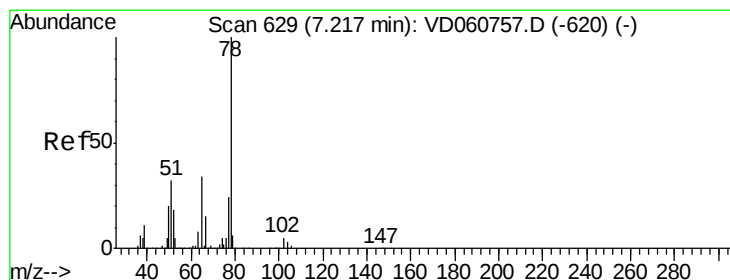
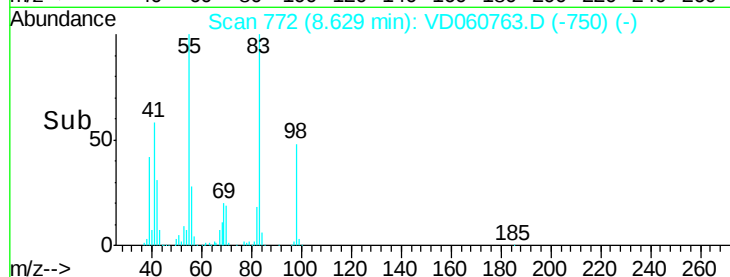
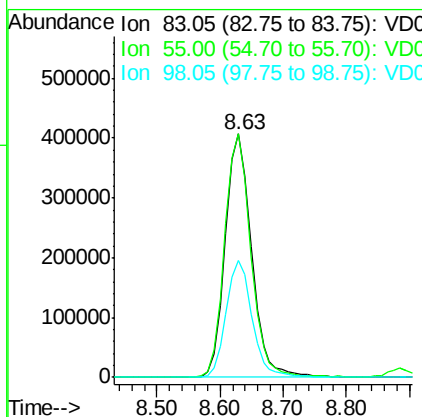
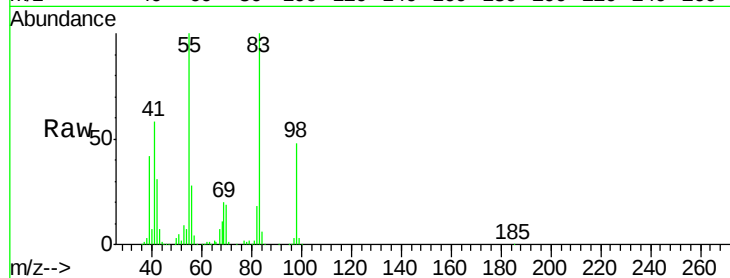




#39
Methvlcvclohexane
Concen: 43.656 ug/l
RT: 8.63 min Scan# 772
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

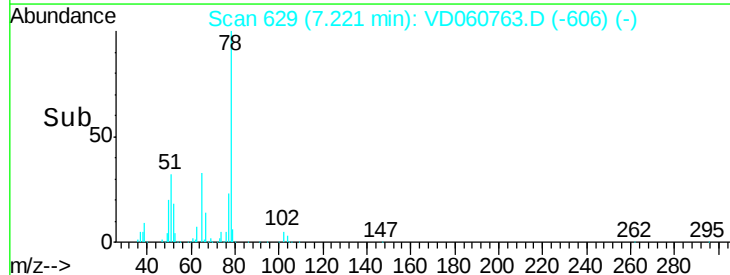
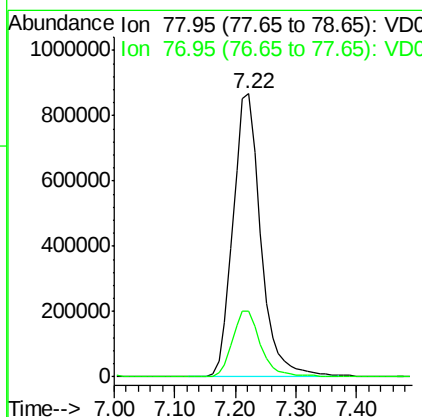
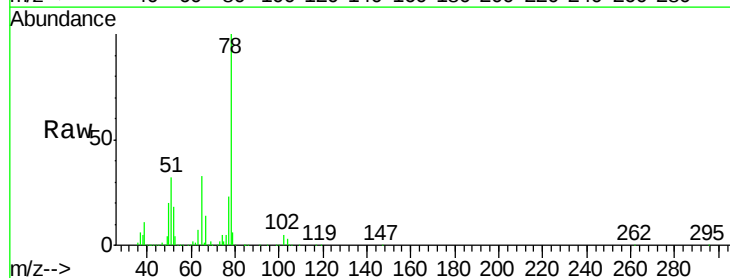
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

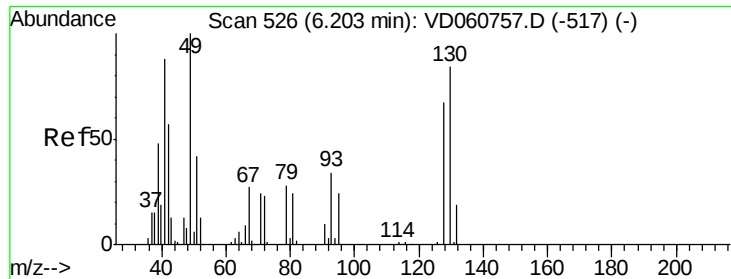
Tot Ion: 83 Resp: 1177866
Ion Ratio Lower Upper
83 100
55 100.1 68.6 102.8
98 48.2 38.1 57.1



#40
Benzene
Concen: 45.500 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.03 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 78 Resp: 2780343
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8

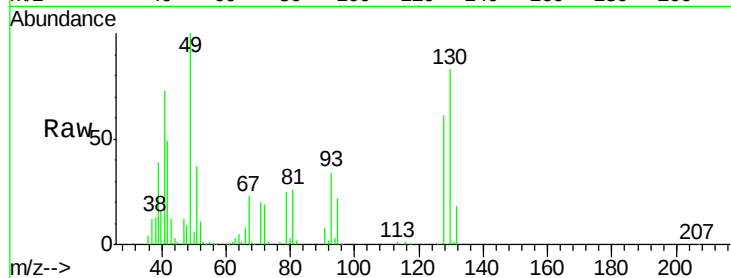




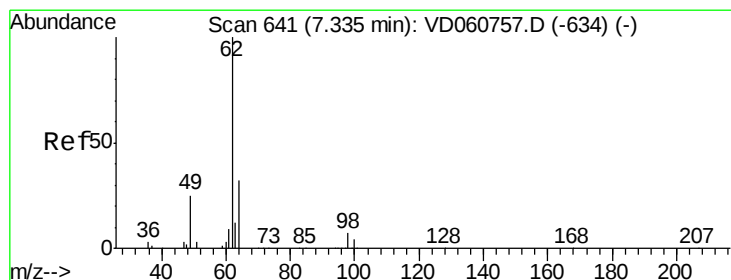
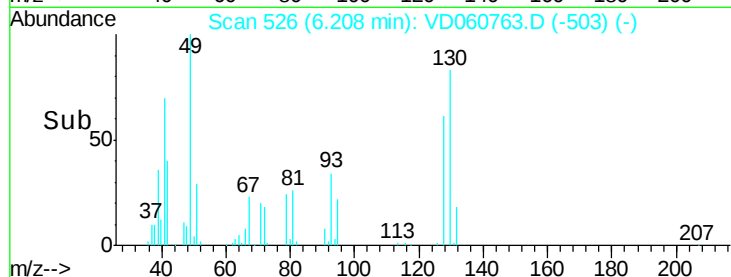
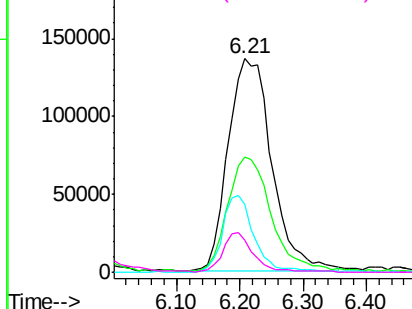
#41
Methacrylonitrile
Concen: 119.789 ug/l
RT: 6.21 min Scan# 526
Delta R.T. 0.03 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

Tot Ion: 41 Resp: 655562
Ion Ratio Lower Upper
41 100
39 54.2 37.6 56.4
67 31.7 33.0 49.6#
52 15.3 15.5 23.3#

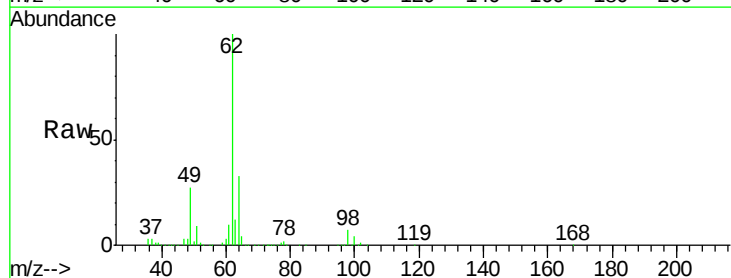


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

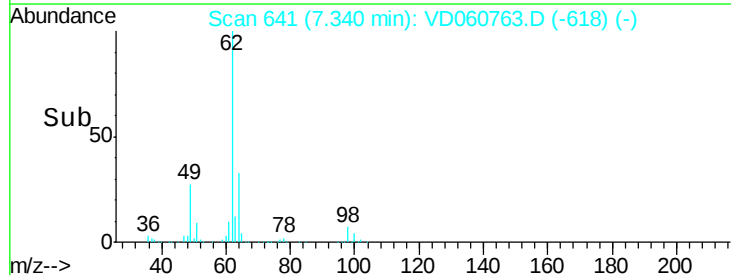
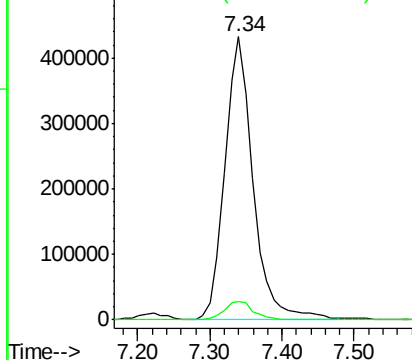


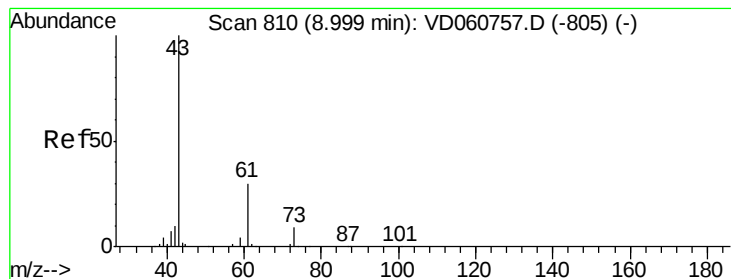
#42
1,2-Dichloroethane
Concen: 76.759 ug/l
RT: 7.34 min Scan# 641
Delta R.T. 0.03 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 62 Resp: 1163981
Ion Ratio Lower Upper
62 100
98 6.7 0.0 20.4



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



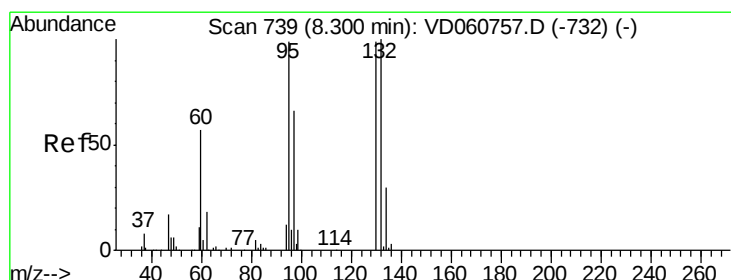
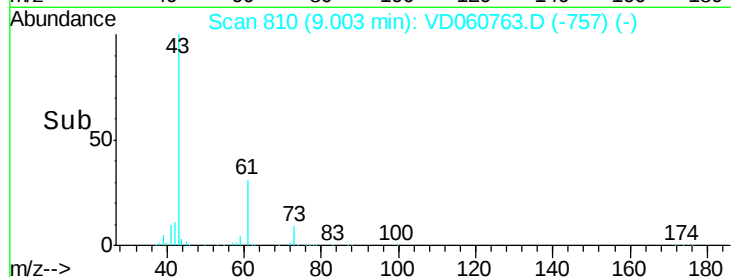
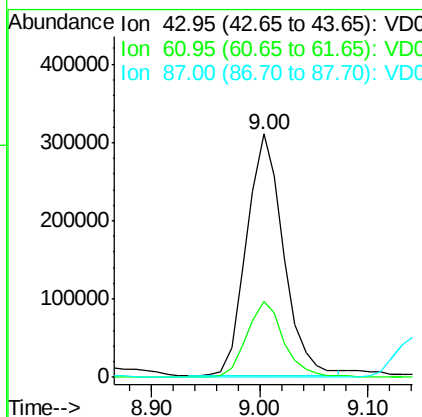
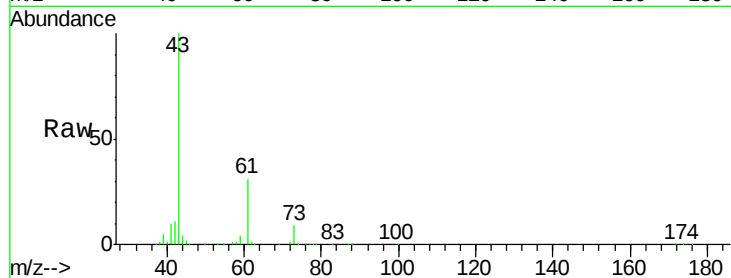


#43

Isopropyl Acetate
 Concen: 57.761 ug/l
 RT: 9.00 min Scan# 810
 Delta R.T. 0.03 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

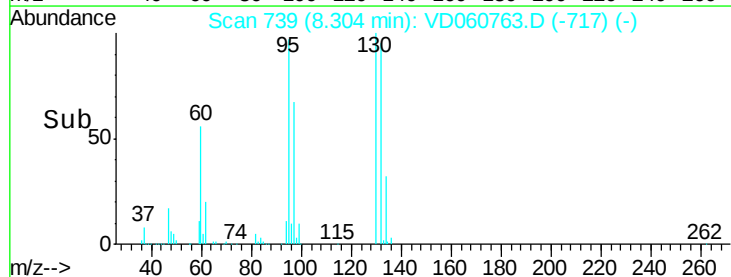
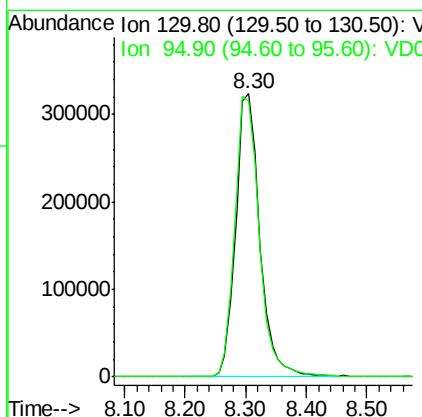
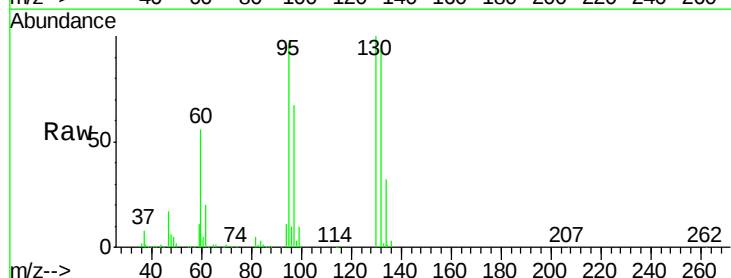
Tot Ion: 43 Resp: 733368
 Ion Ratio Lower Upper
 43 100
 61 31.1 21.8 32.8
 87 0.2 0.2 0.4#

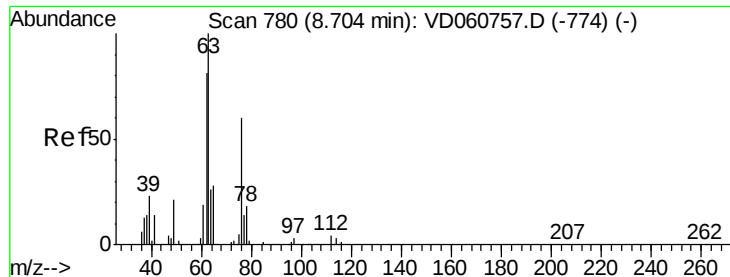


#44

Trichloroethene
 Concen: 49.630 ug/l
 RT: 8.30 min Scan# 739
 Delta R.T. 0.02 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Tgt Ion: 130 Resp: 897614
 Ion Ratio Lower Upper
 130 100
 95 97.5 0.0 193.6





#45

1,2-Dichloropropane

Concen: 44.605 ug/l

RT: 8.71 min Scan# 780

Delta R.T. 0.03 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

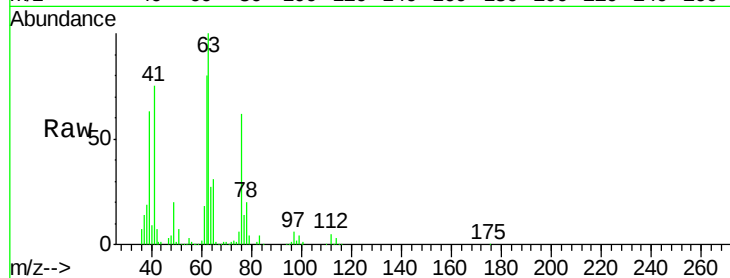
ICVVD011819

Tot Ion: 63 Resp: 668444

Ion Ratio Lower Upper

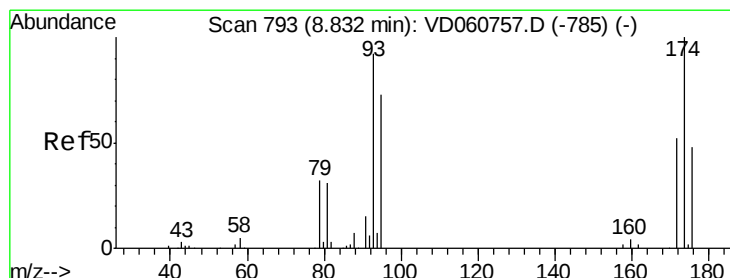
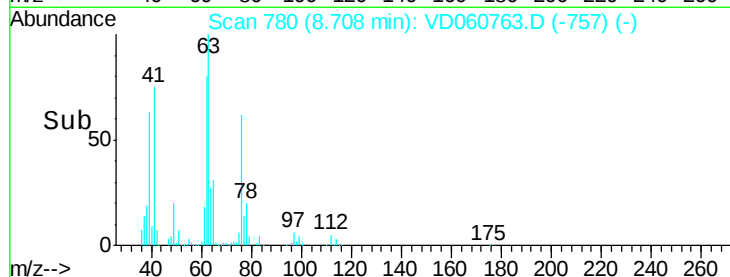
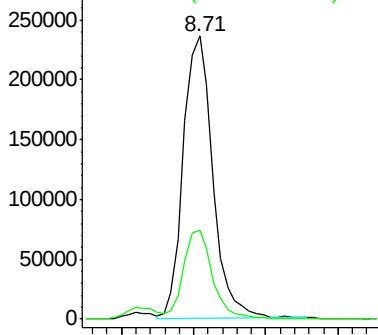
63 100

65 31.4 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 56.622 ug/l

RT: 8.83 min Scan# 792

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

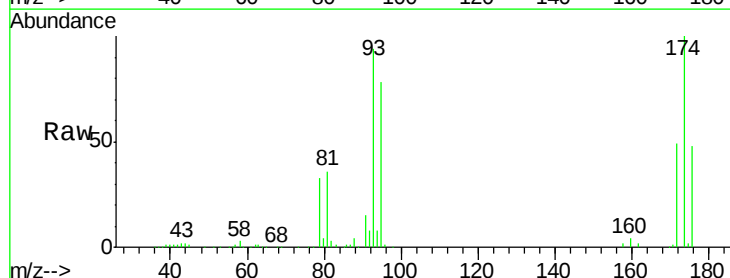
Tgt Ion: 93 Resp: 484282

Ion Ratio Lower Upper

93 100

95 83.1 68.8 103.2

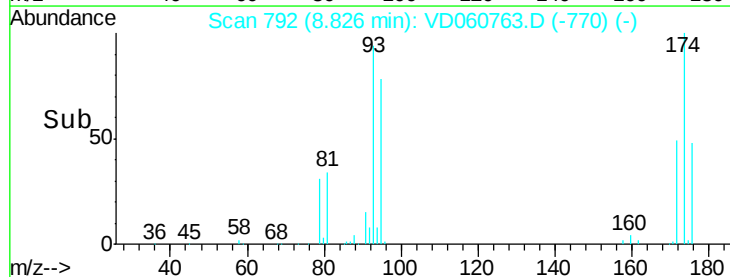
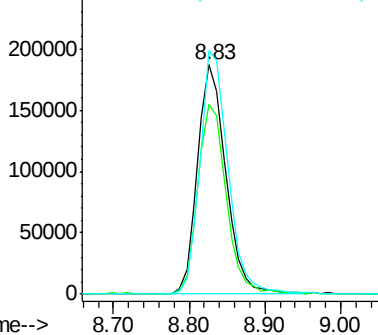
174 106.3 93.0 139.4

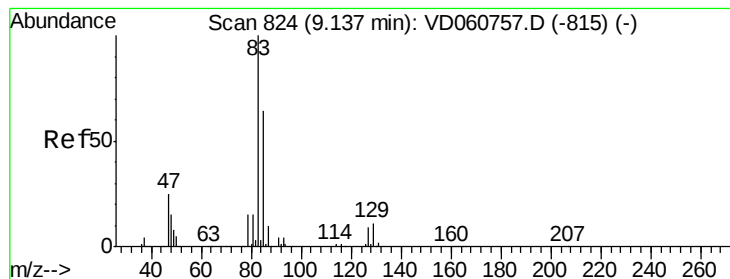


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 64.167 ug/l

RT: 9.14 min Scan# 824

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

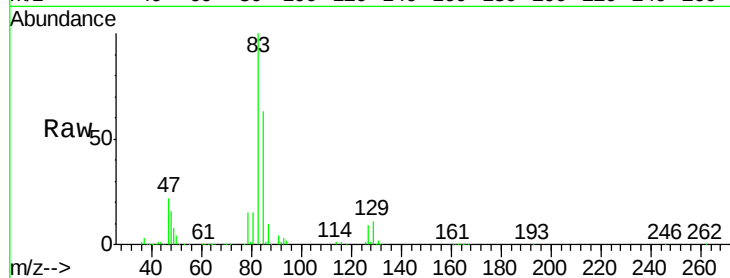
Tot Ion: 83 Resp: 1299857

Ion Ratio Lower Upper

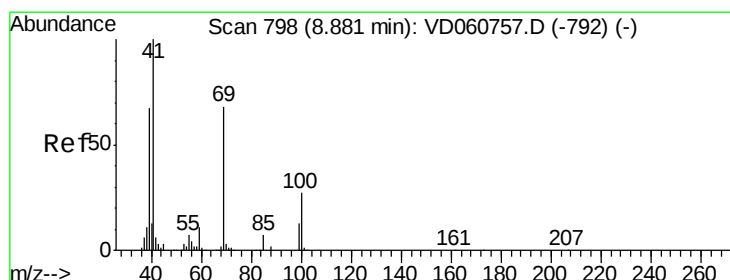
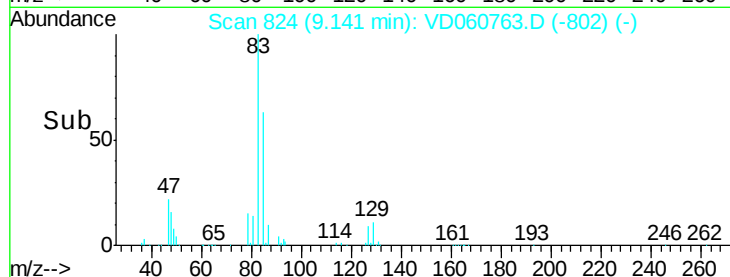
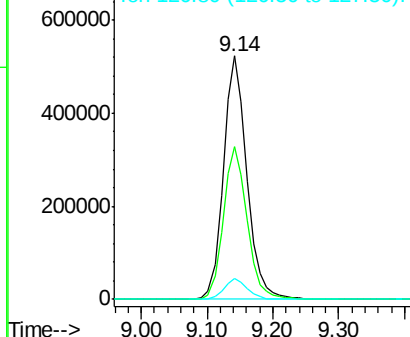
83 100

85 62.8 51.1 76.7

127 8.5 7.0 10.6



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



#48

Methyl methacrylate

Concen: 65.282 ug/l

RT: 8.89 min Scan# 798

Delta R.T. 0.03 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

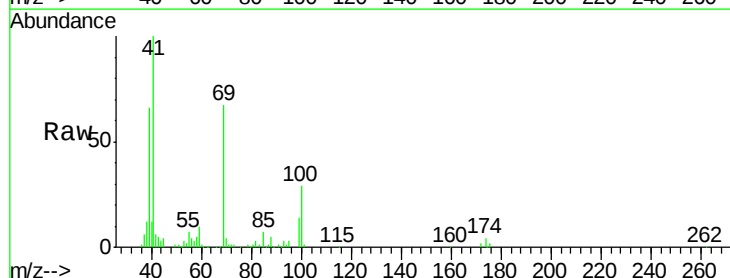
Tgt Ion: 41 Resp: 503415

Ion Ratio Lower Upper

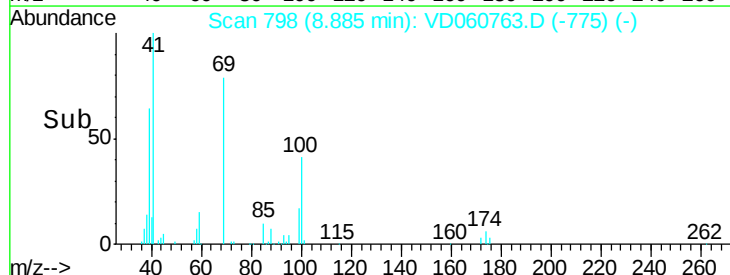
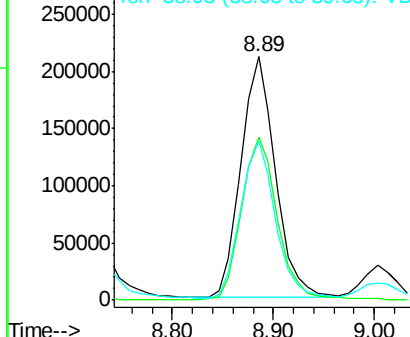
41 100

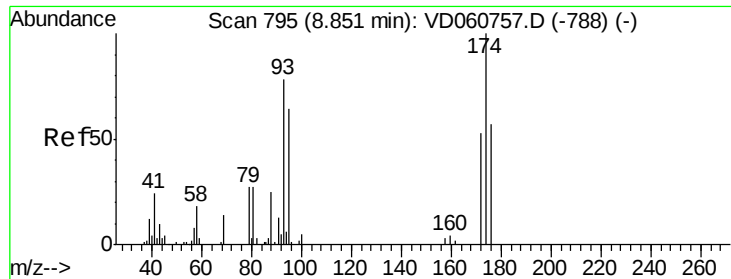
69 67.0 51.2 76.8

39 65.5 44.6 67.0



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

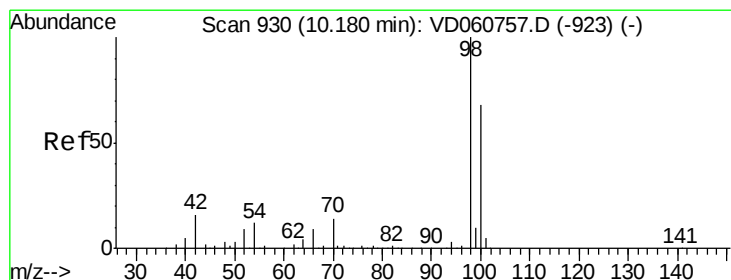
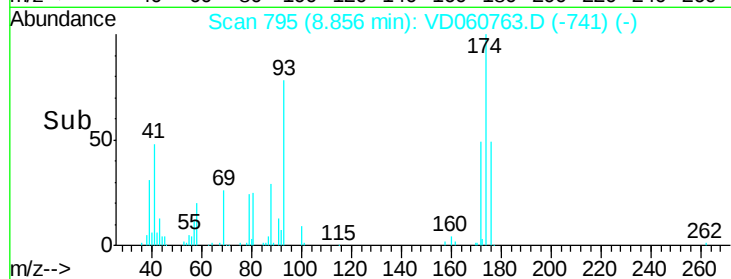
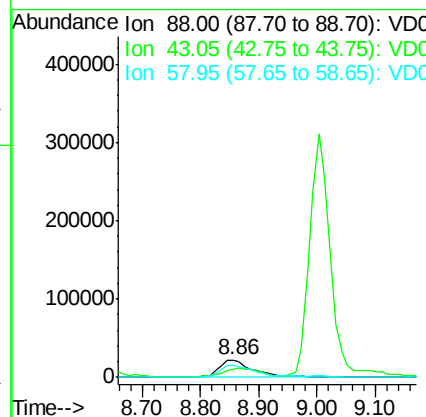
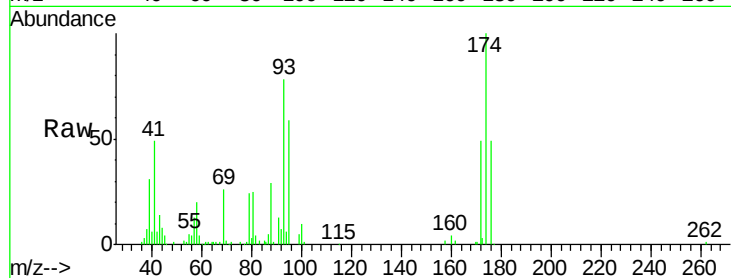




#49
1,4-Dioxane
Concen: 1293.723 ug/l
RT: 8.86 min Scan# 795
Delta R.T. 0.04 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

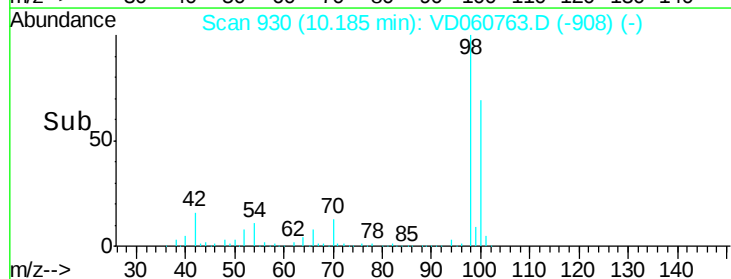
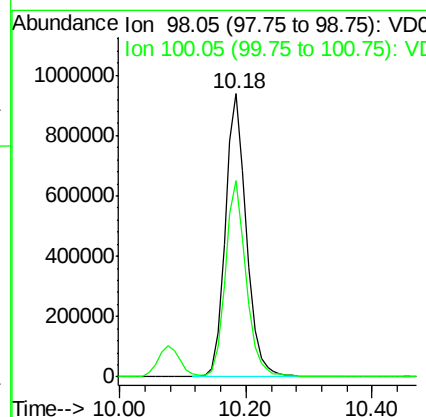
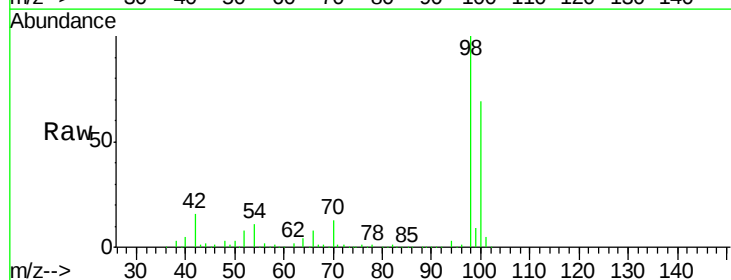
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

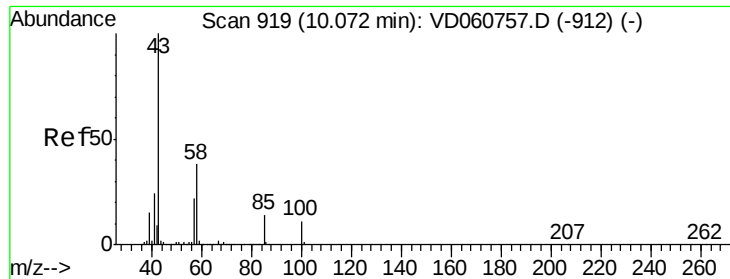
Tot Ion: 88 Resp: 92760
Ion Ratio Lower Upper
88 100
43 46.6 31.5 47.3
58 68.6 50.6 76.0



#50
Toluene-d8
Concen: 1293.723 ug/l
RT: 10.18 min Scan# 930
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 98 Resp: 2176875
Ion Ratio Lower Upper
98 100
100 69.2 55.8 83.8





#51

4-Methyl-2-Pentanone

Concen: 282.421 ug/l

RT: 10.08 min Scan# 919

Delta R.T. 0.03 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

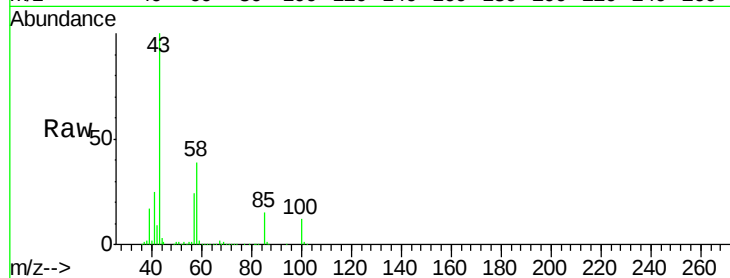
ICVVD011819

Tot Ion: 43 Resp: 2196897

Ion Ratio Lower Upper

43 100

58 38.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.08

800000

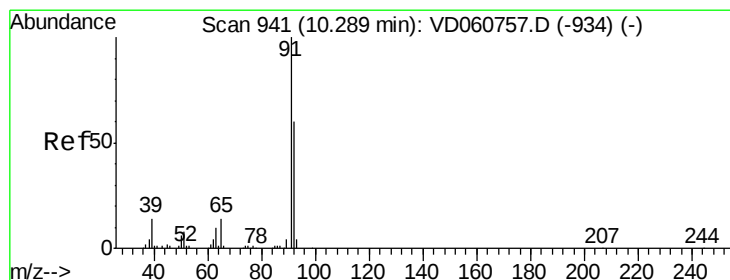
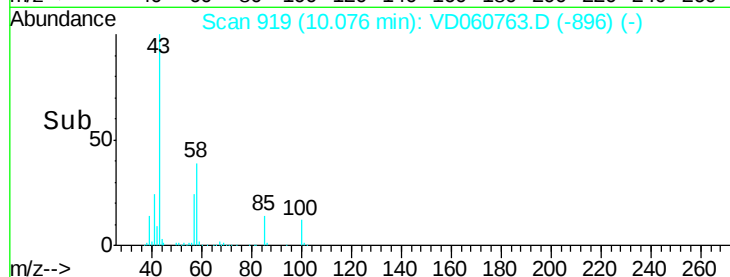
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 43.263 ug/l

RT: 10.28 min Scan# 940

Delta R.T. 0.02 min

Lab File: VD060763.D

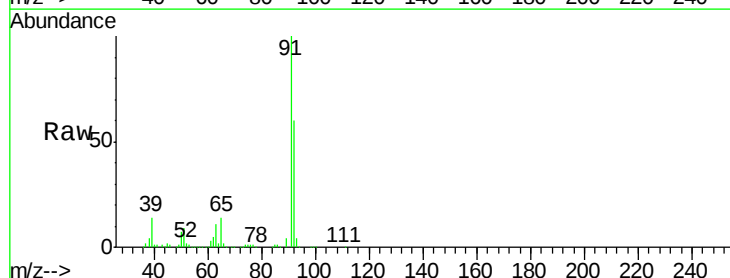
Acq: 18 Jan 2019 16:06

Tgt Ion: 92 Resp: 1657294

Ion Ratio Lower Upper

92 100

91 167.0 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

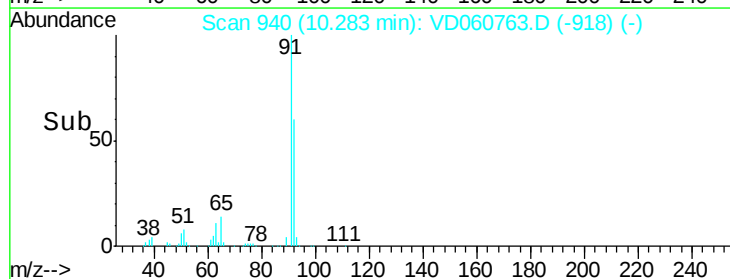
10.28

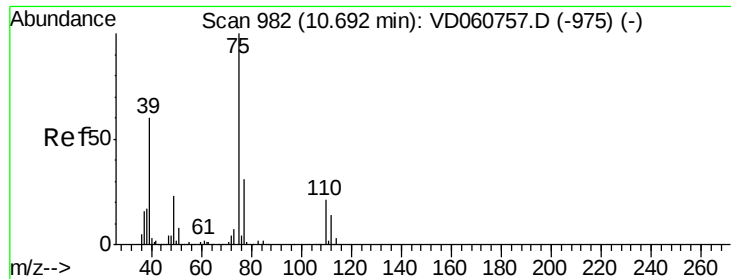
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 64.840 ug/l

RT: 10.69 min Scan# 981

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

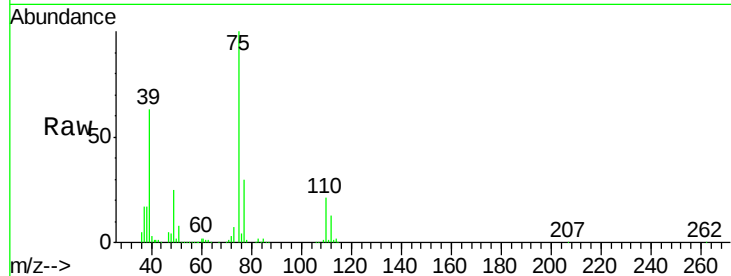
ICVVD011819

Tot Ion: 75 Resp: 1095823

Ion Ratio Lower Upper

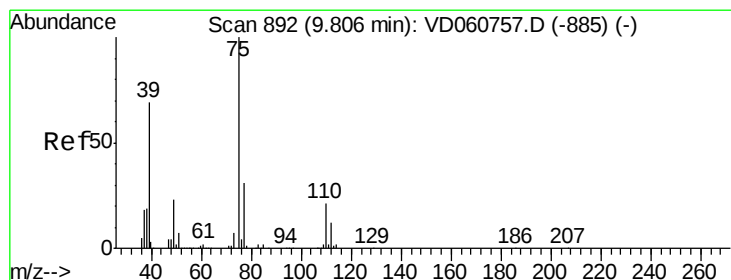
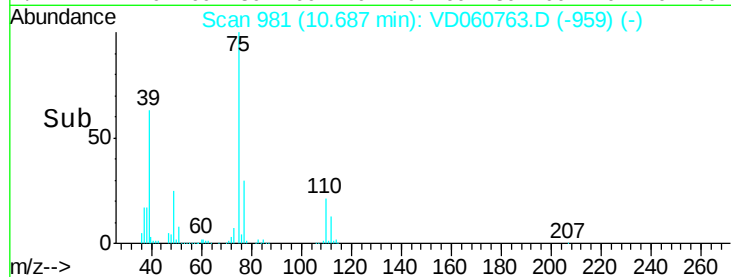
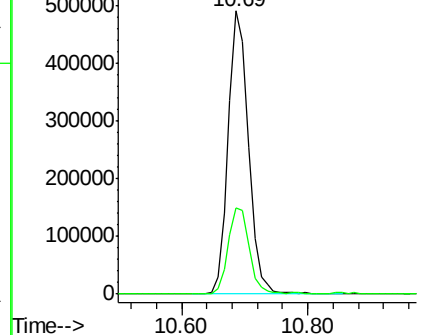
75 100

77 30.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 60.241 ug/l

RT: 9.81 min Scan# 892

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

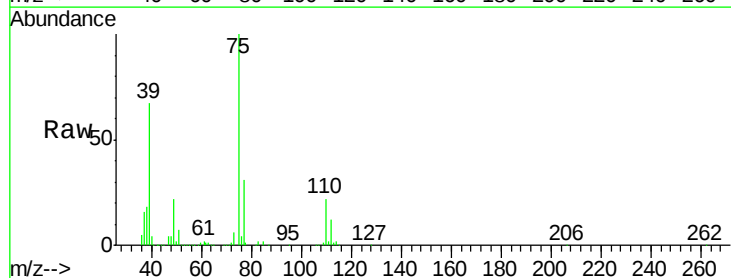
Tgt Ion: 75 Resp: 1332586

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

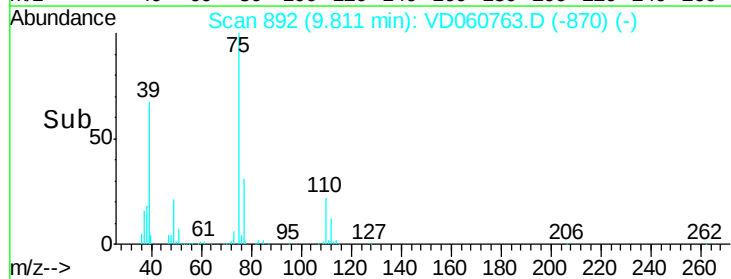
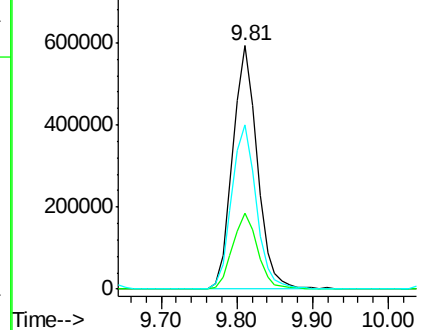
39 67.4 47.0 70.4

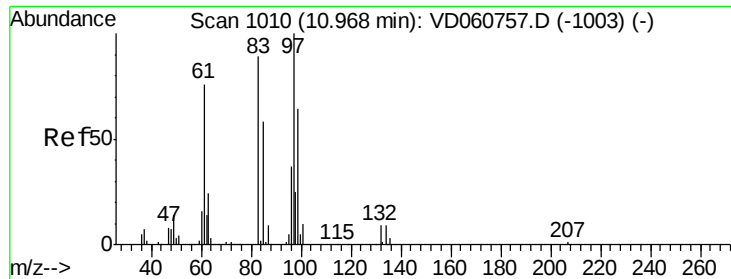


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

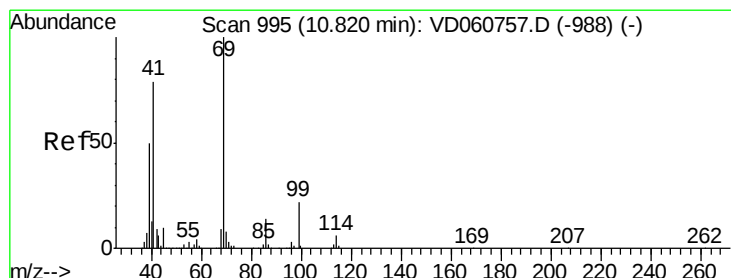
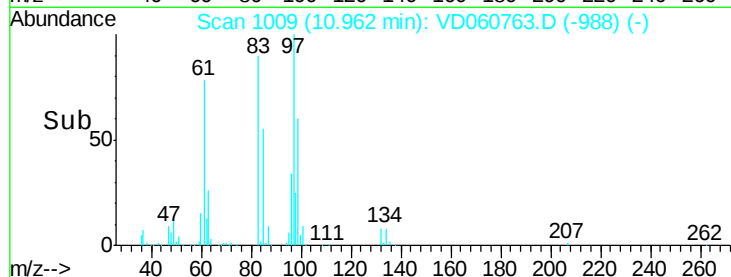
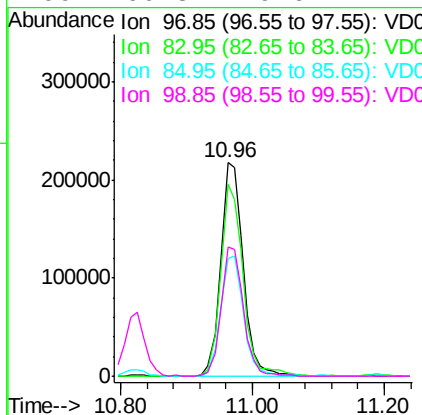
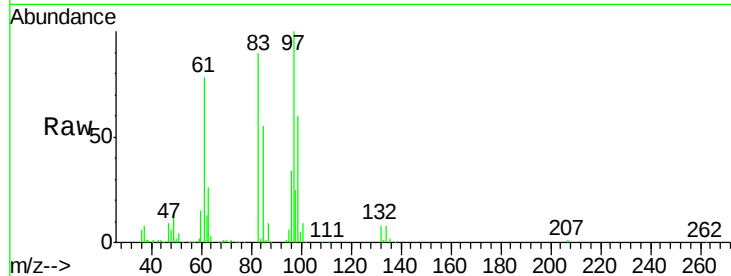




#55
 1,1,2-Trichloroethane
 Concen: 50.275 ug/l
 RT: 10.96 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

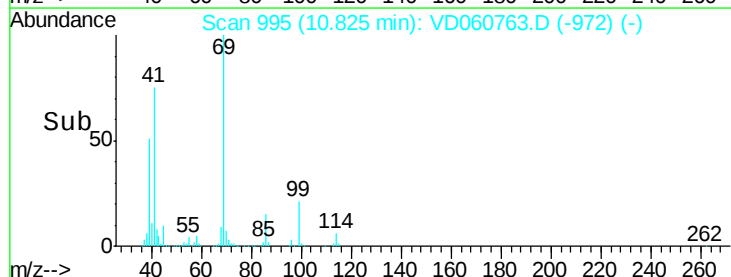
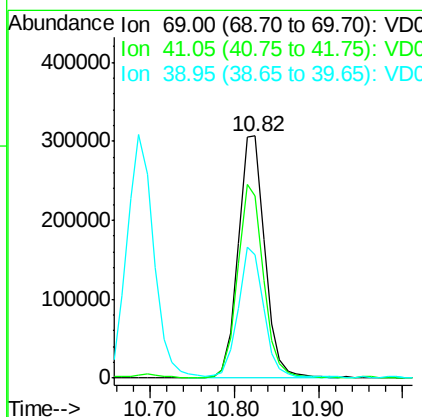
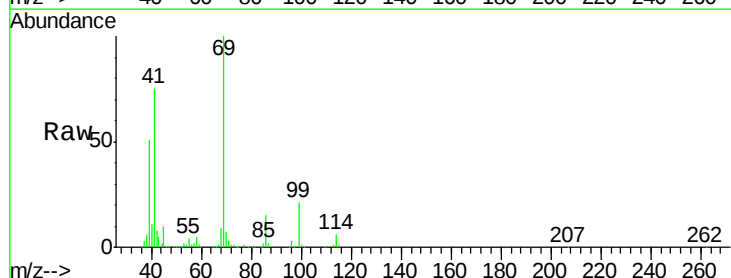
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

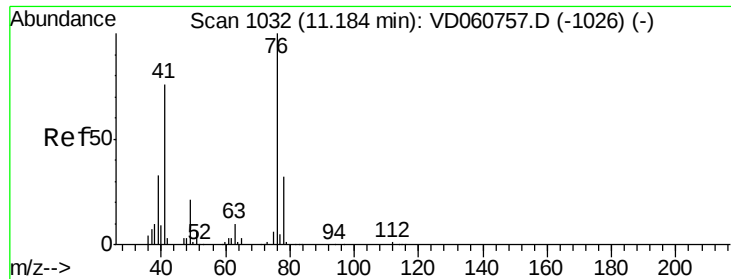
Tot Ion: 97 Resp: 518180
 Ion Ratio Lower Upper
 97 100
 83 89.9 70.0 105.0
 85 55.2 46.6 70.0
 99 60.3 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 70.503 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Tgt Ion: 69 Resp: 674951
 Ion Ratio Lower Upper
 69 100
 41 75.0 68.3 102.5
 39 51.1 37.2 55.8





#57

1,3-Dichloropropane

Concen: 55.258 ug/l

RT: 11.19 min Scan# 1032

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

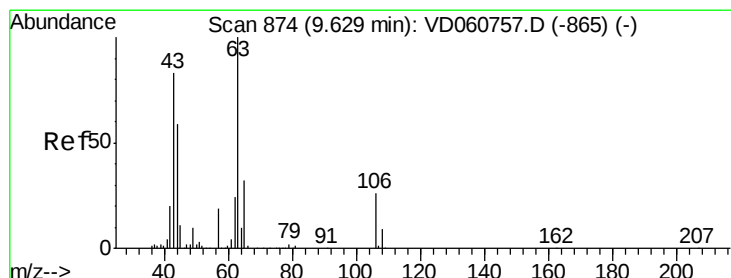
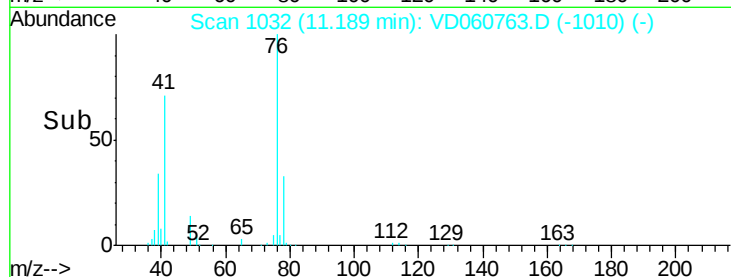
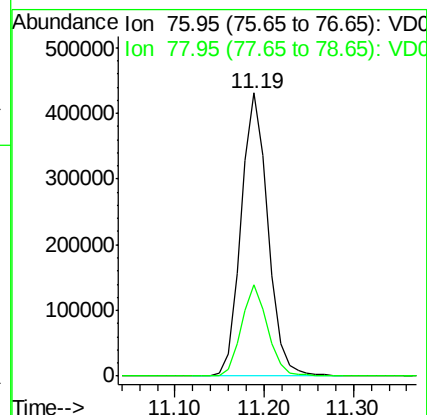
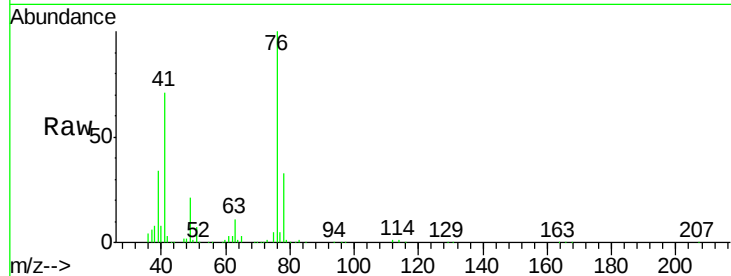
ICVVD011819

Tot Ion: 76 Resp: 902749

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 282.706 ug/l

RT: 9.62 min Scan# 873

Delta R.T. 0.02 min

Lab File: VD060763.D

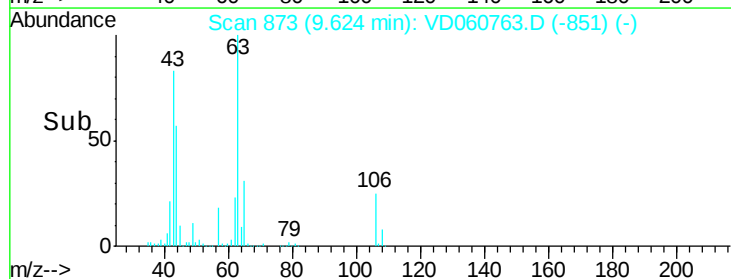
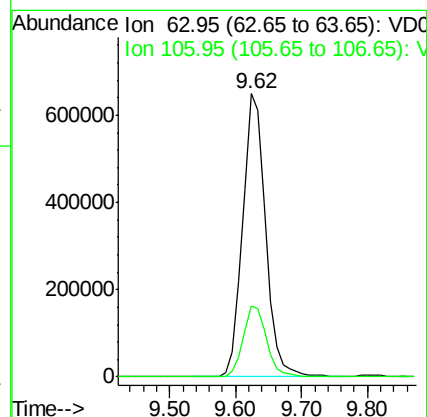
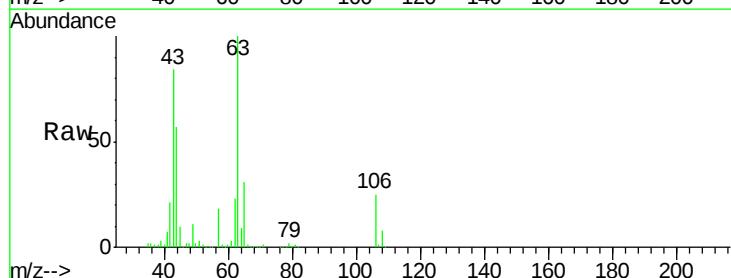
Acq: 18 Jan 2019 16:06

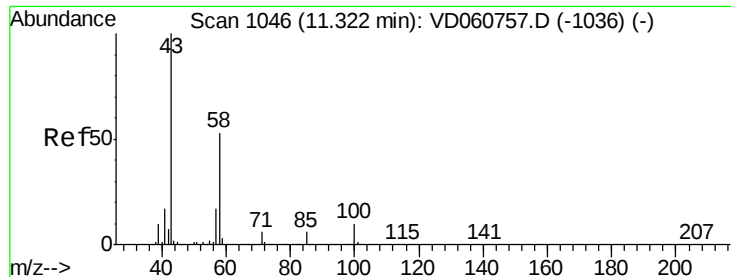
Tgt Ion: 63 Resp: 1594701

Ion Ratio Lower Upper

63 100

106 25.1 22.4 33.6

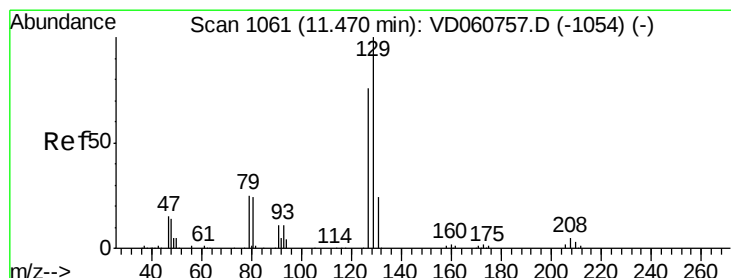
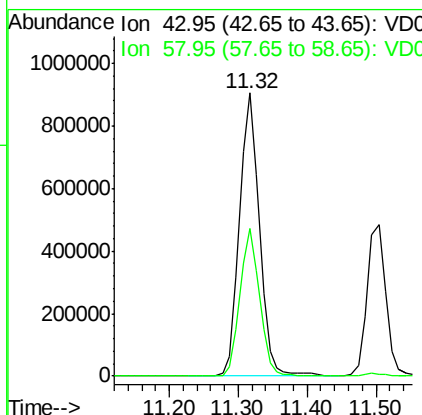
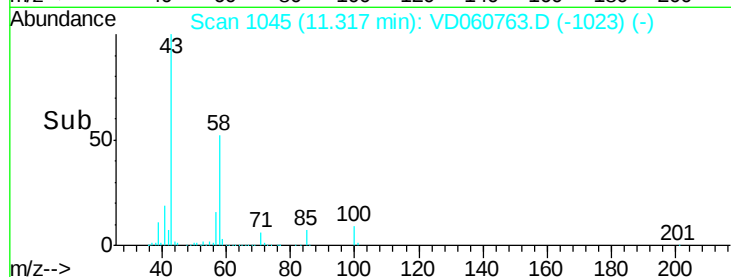
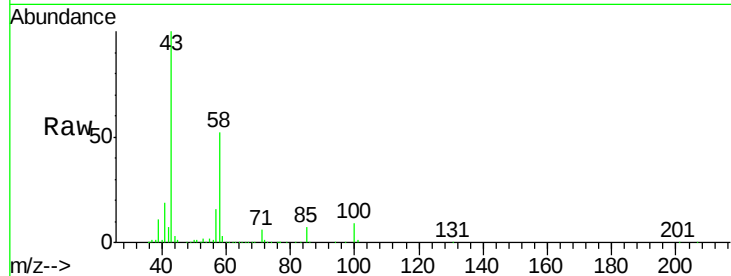




#59
2-Hexanone
Concen: 334.305 ug/l
RT: 11.32 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

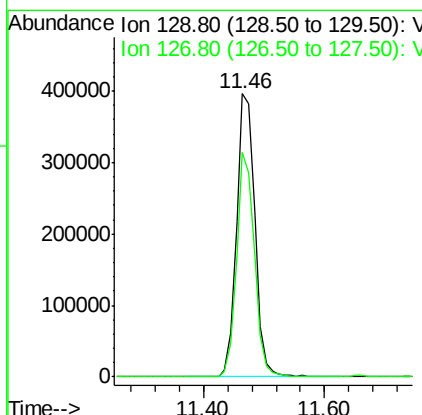
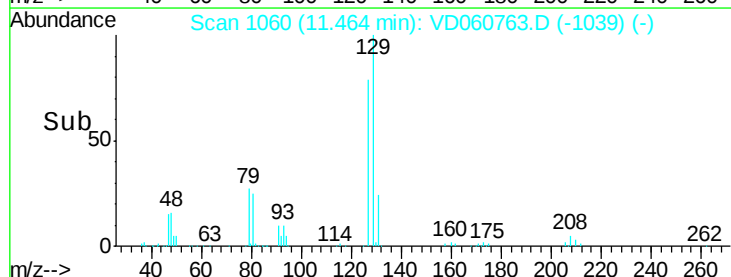
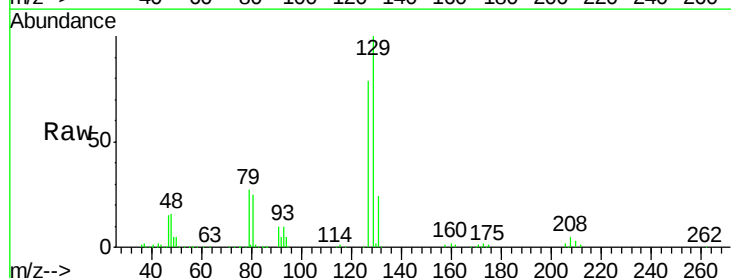
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

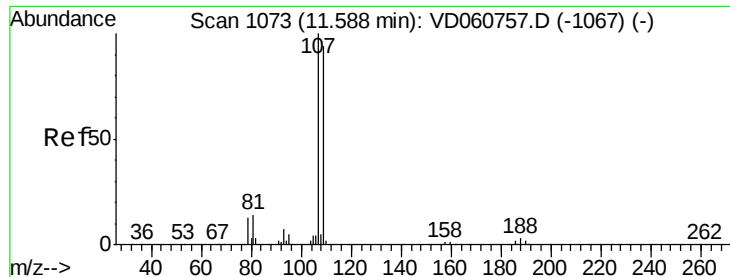
Tot Ion: 43 Resp: 1820252
Ion Ratio Lower Upper
43 100
58 52.0 23.5 70.5



#60
Dibromochloromethane
Concen: 63.371 ug/l
RT: 11.46 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 129 Resp: 831965
Ion Ratio Lower Upper
129 100
127 79.5 37.6 112.9





#61

1,2-Dibromoethane

Concen: 57.223 ug/l

RT: 11.59 min Scan# 1073

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

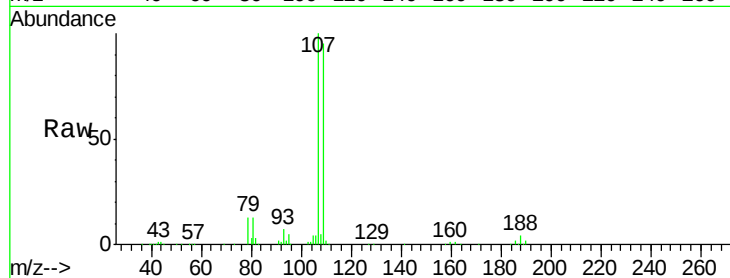
ICVVD011819

Tot Ion:107 Resp: 611753

Ion Ratio Lower Upper

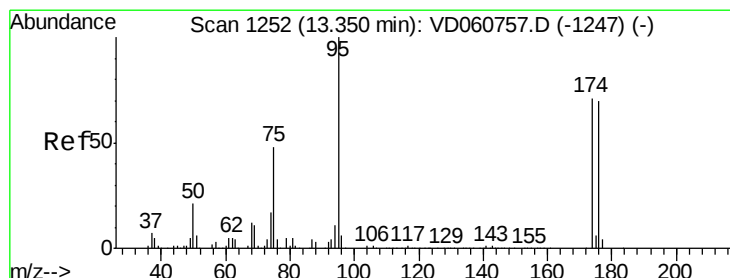
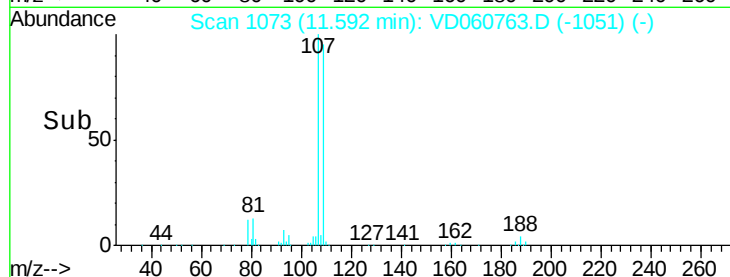
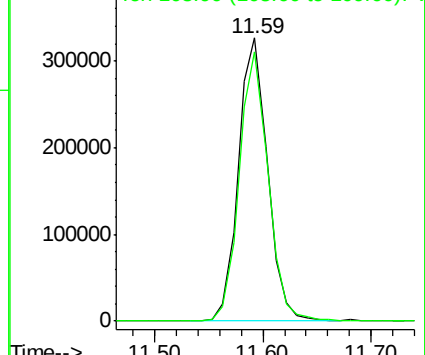
107 100

109 95.0 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 57.223 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

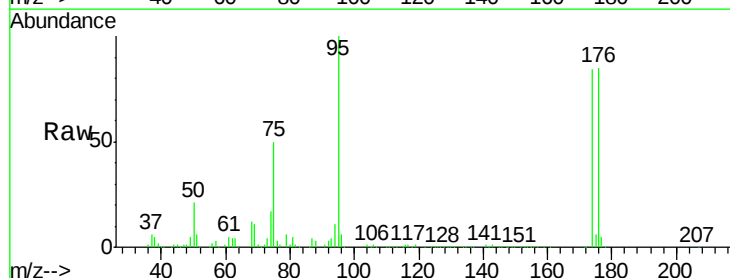
Tgt Ion: 95 Resp: 995363

Ion Ratio Lower Upper

95 100

174 83.6 0.0 158.2

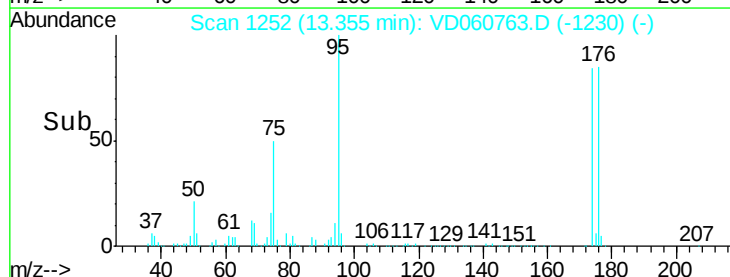
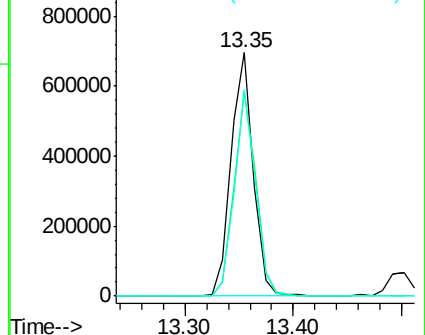
176 84.7 0.0 152.4

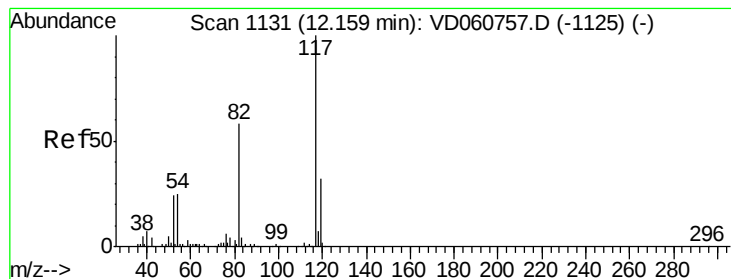


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.15 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

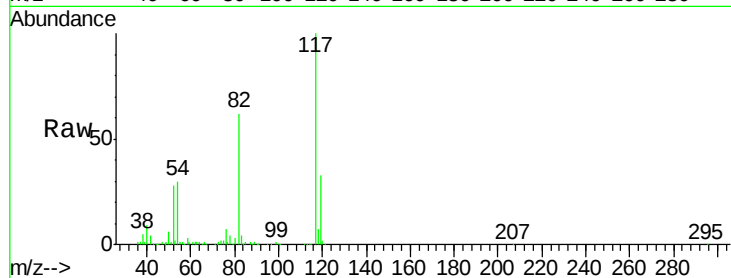
Tot Ion:117 Resp: 1675662

Ion Ratio Lower Upper

117 100

82 62.1 44.5 66.7

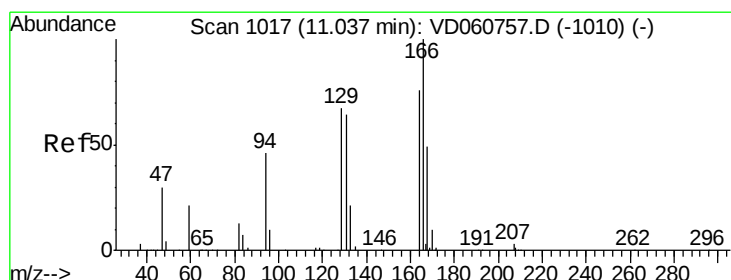
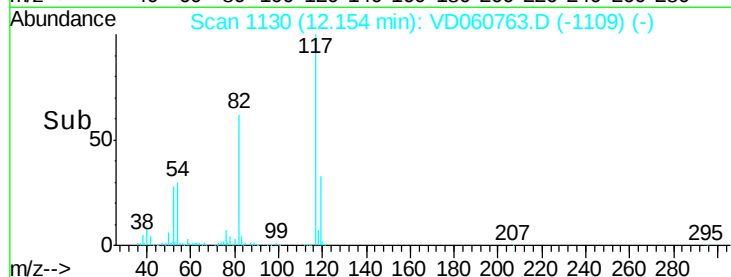
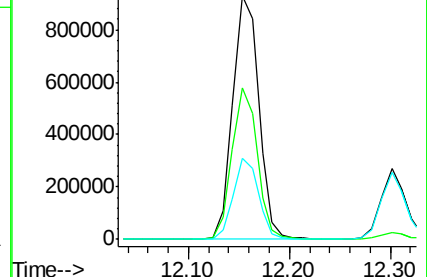
119 33.1 26.3 39.5



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 49.594 ug/l

RT: 11.03 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Tgt Ion:164 Resp: 753217

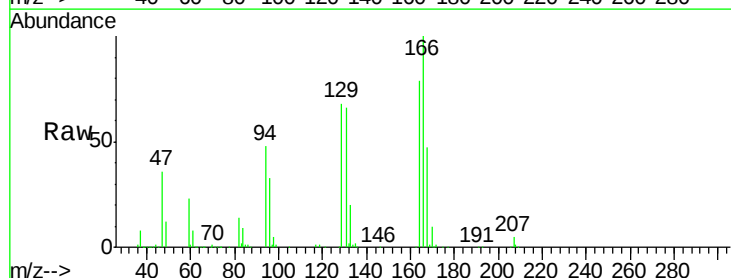
Ion Ratio Lower Upper

164 100

166 126.6 104.4 156.6

129 85.7 62.7 94.1

131 83.2 61.1 91.7

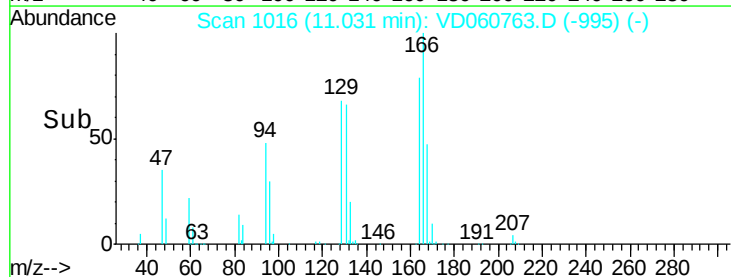
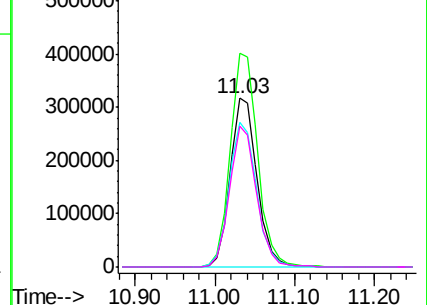


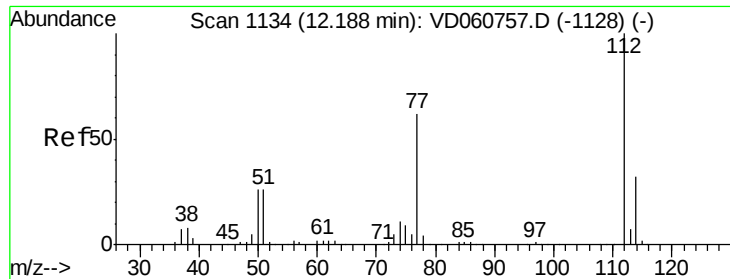
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.627 ug/l

RT: 12.19 min Scan# 1134

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

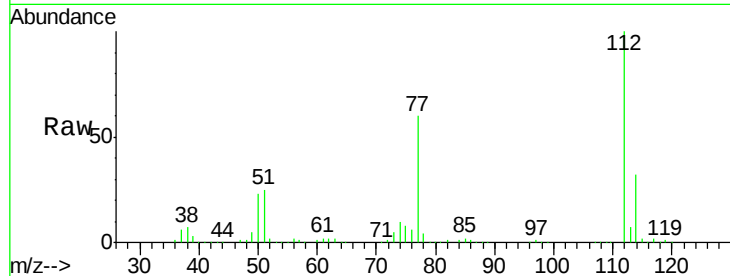
ICVVD011819

Tot Ion:112 Resp: 1837253

Ion Ratio Lower Upper

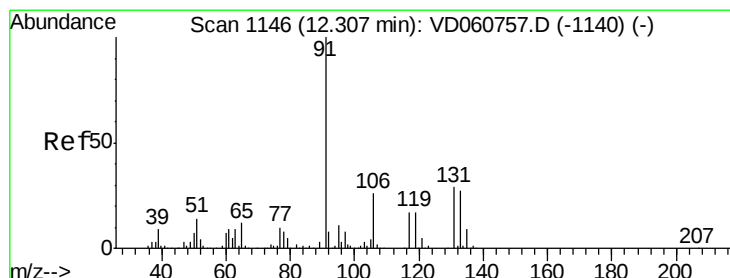
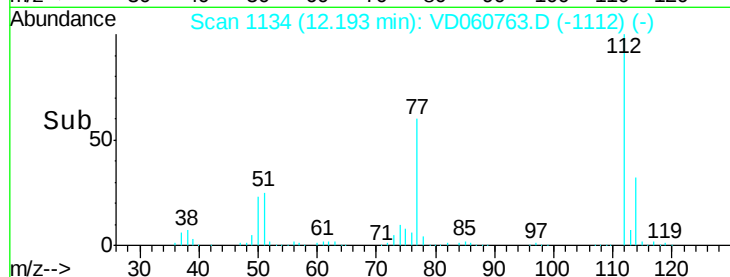
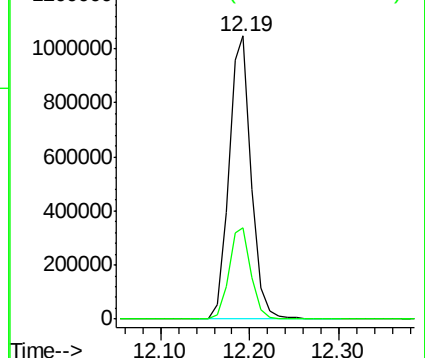
112 100

114 32.2 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 59.919 ug/l

RT: 12.30 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

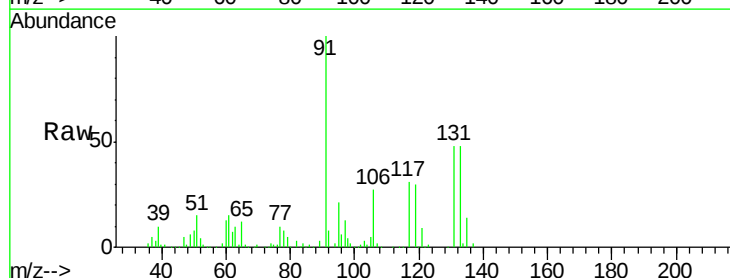
Tgt Ion:131 Resp: 713236

Ion Ratio Lower Upper

131 100

133 98.7 49.1 147.3

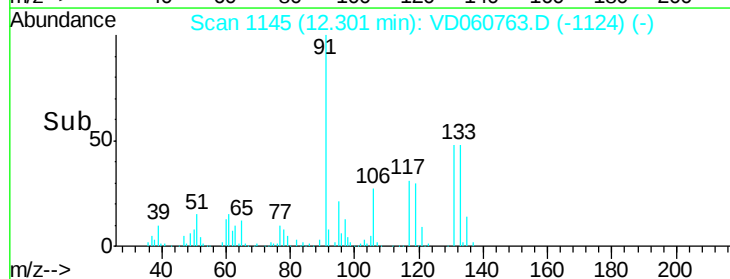
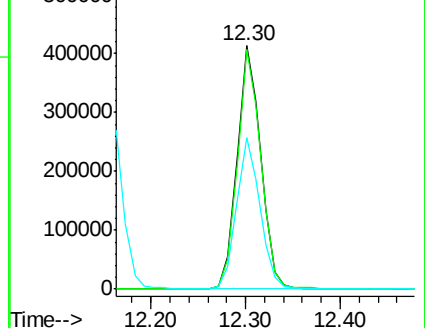
119 62.3 36.6 109.8

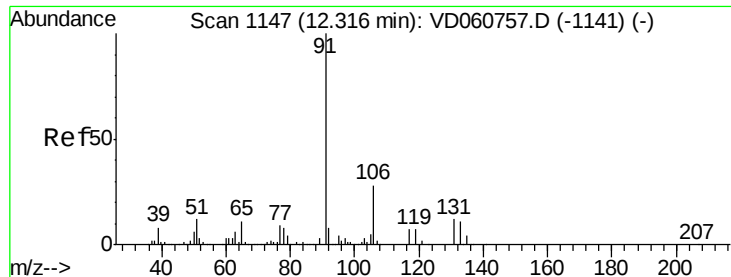


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 48.825 ug/l

RT: 12.31 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

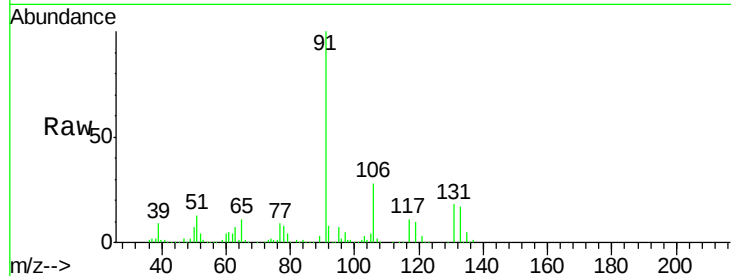
ICVVD011819

Tot Ion: 91 Resp: 3095637

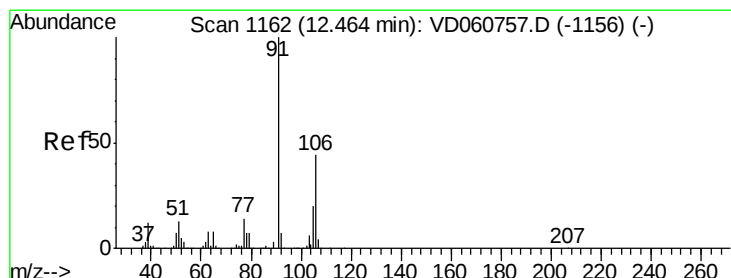
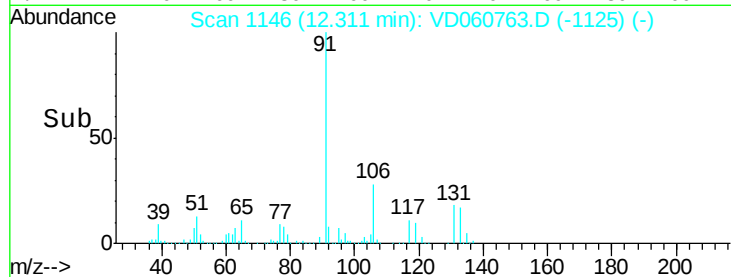
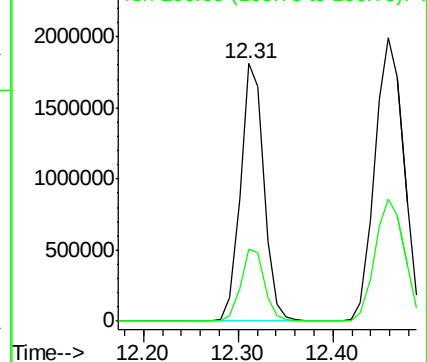
Ion Ratio Lower Upper

91 100

106 27.8 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VD060757.D (-1141) (-)



#68

m/p-Xylenes

Concen: 80.318 ug/l

RT: 12.46 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD060763.D

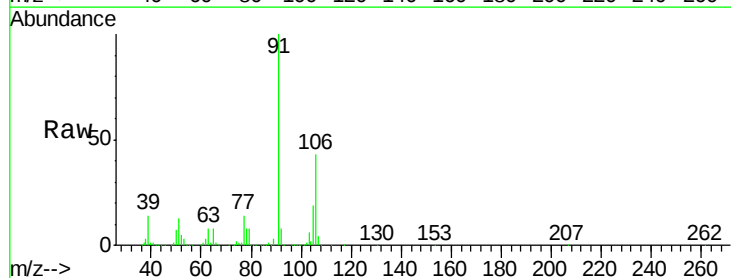
Acq: 18 Jan 2019 16:06

Tgt Ion: 106 Resp: 1861030

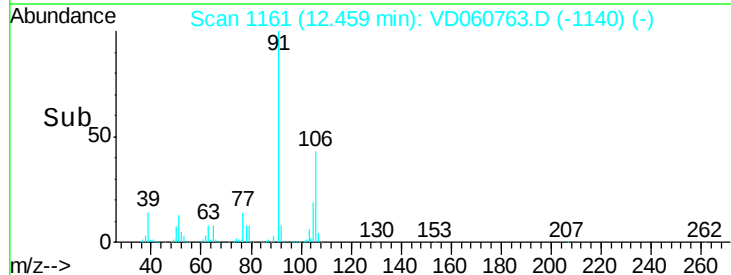
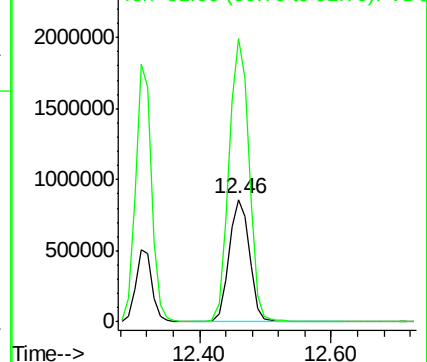
Ion Ratio Lower Upper

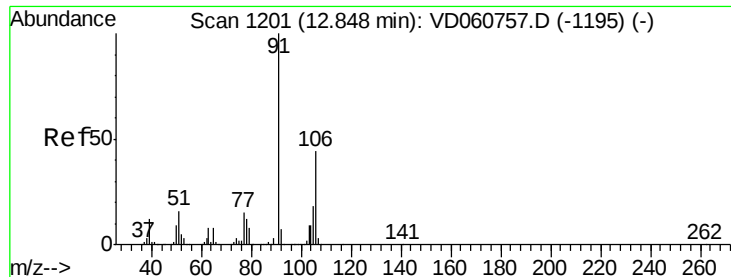
106 100

91 230.9 158.9 238.3



Abundance Ion 106.05 (105.75 to 106.75): VD060757.D (-1156) (-)

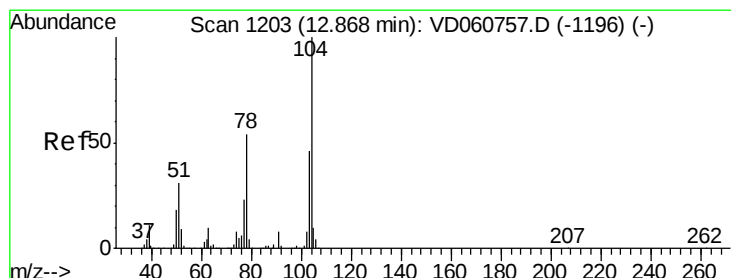
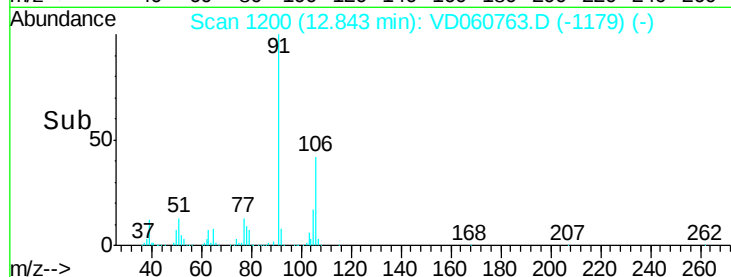
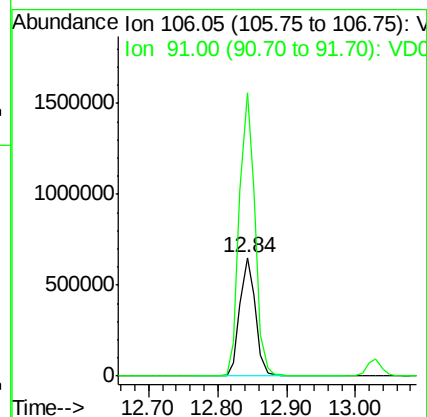
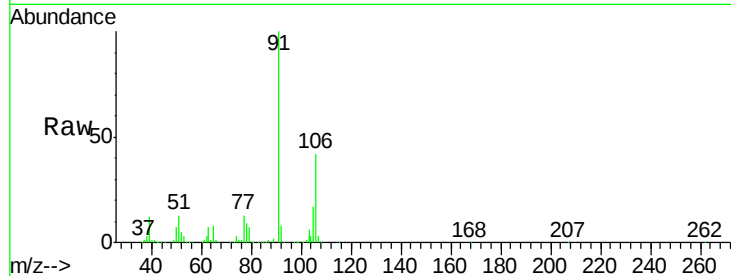




#69
o-Xylene
Concen: 46.649 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

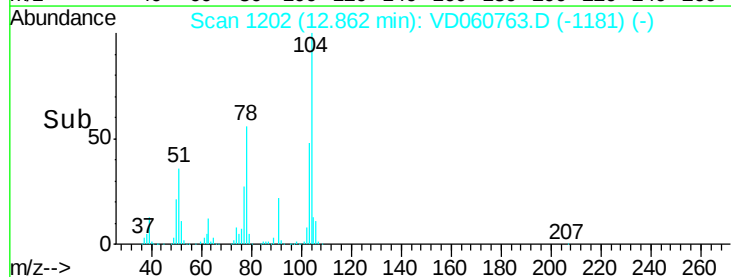
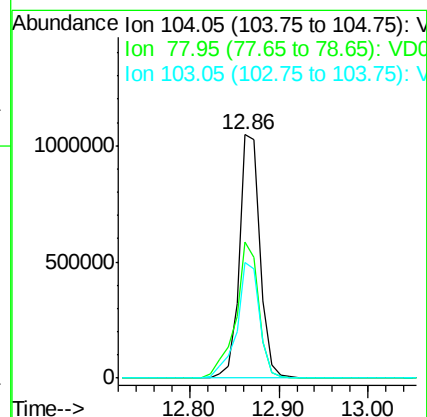
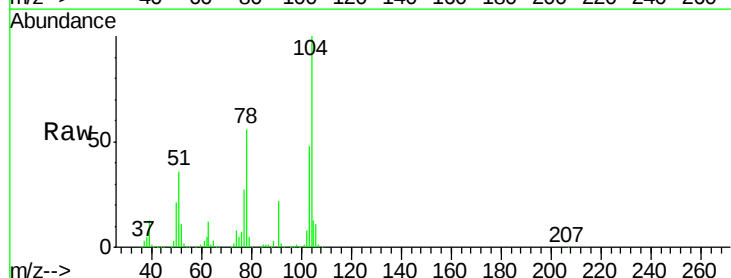
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

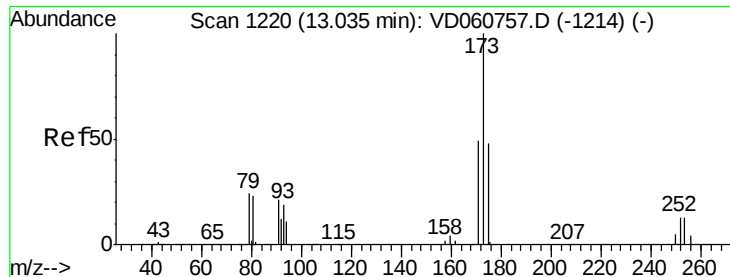
Tot Ion:106 Resp: 1025485
Ion Ratio Lower Upper
106 100
91 238.0 101.5 304.5



#70
Styrene
Concen: 48.333 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion:104 Resp: 1711250
Ion Ratio Lower Upper
104 100
78 56.1 31.4 47.2#
103 47.7 37.5 56.3





#71

Bromoform

Concen: 69.245 ug/l

RT: 13.03 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

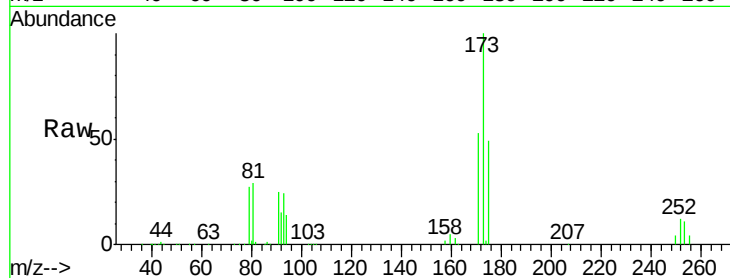
Tot Ion:173 Resp: 544090

Ion Ratio Lower Upper

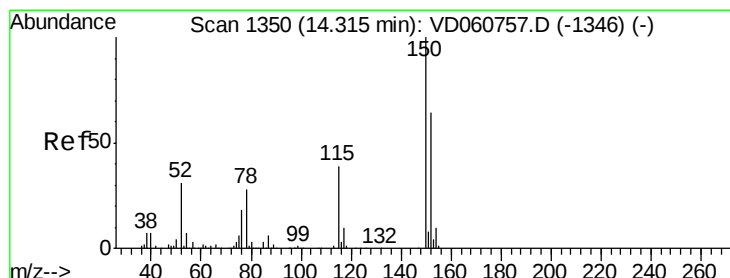
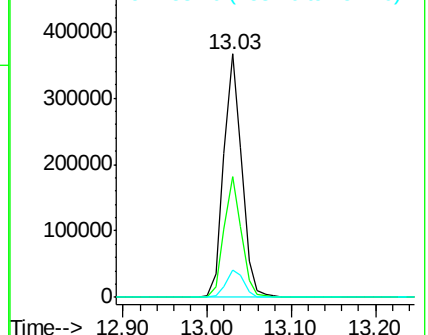
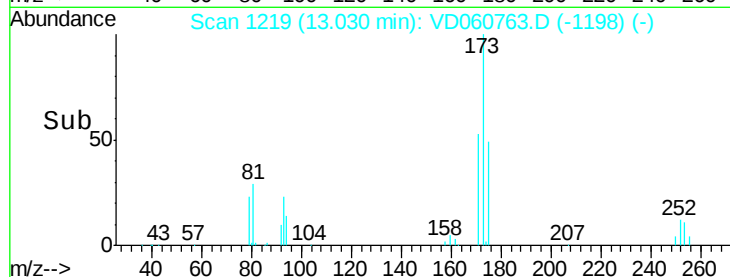
173 100

175 49.4 25.5 76.5

254 11.3 7.9 11.9



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: 14.32 min Scan# 1350

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

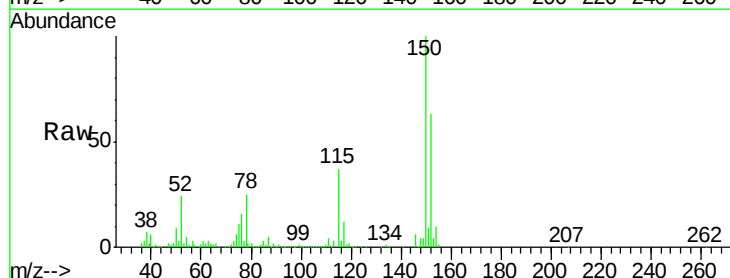
Tgt Ion:152 Resp: 814423

Ion Ratio Lower Upper

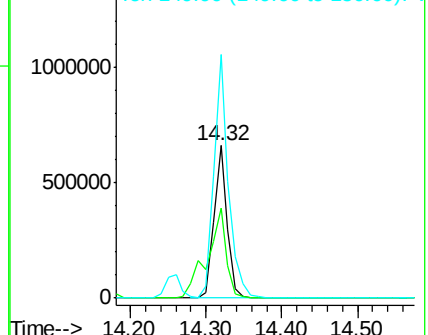
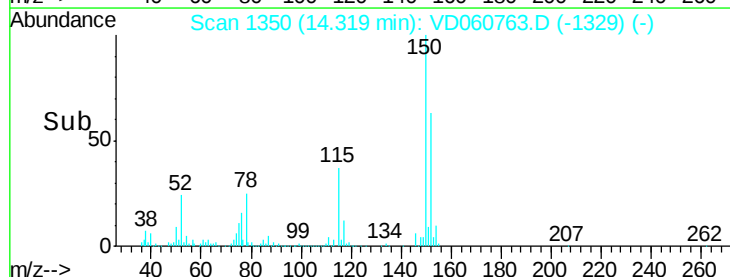
152 100

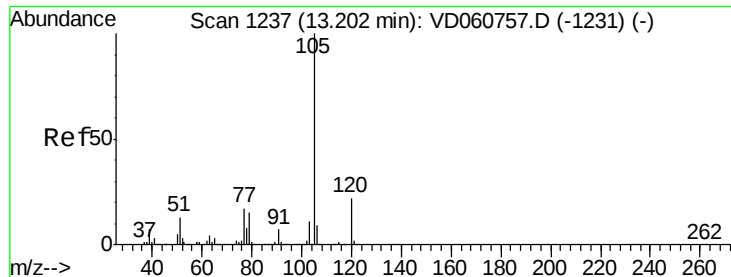
115 59.0 24.1 72.3

150 159.8 0.0 315.0



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: 50.603 ug/l

RT: 13.20 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

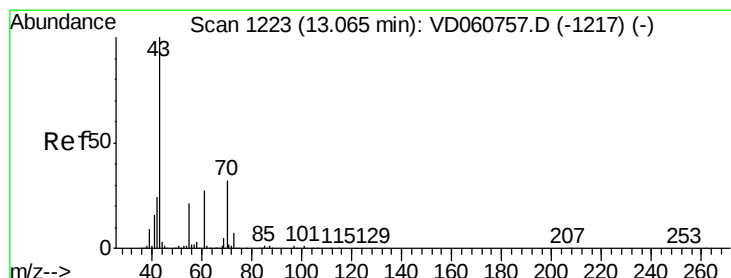
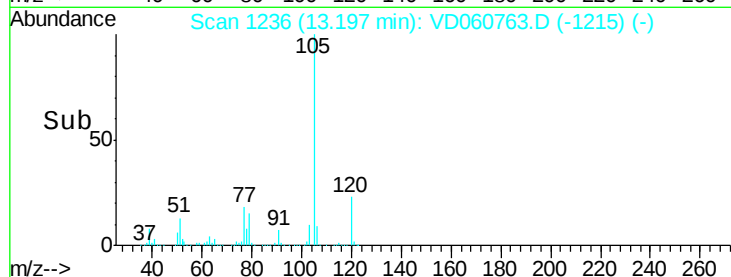
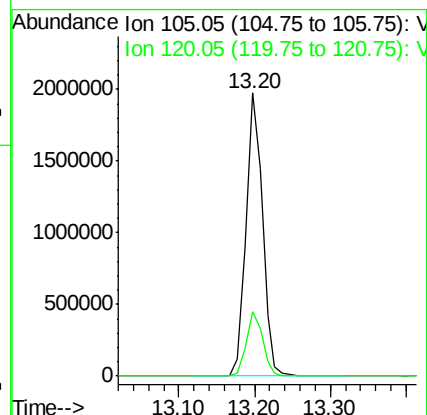
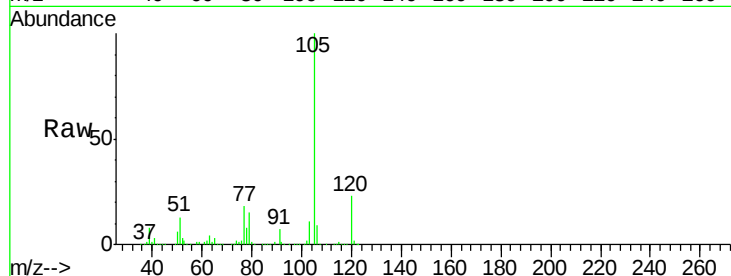
ICVVD011819

Tot Ion:105 Resp: 2934244

Ion Ratio Lower Upper

105 100

120 23.0 12.2 36.4



#74

N-ethyl acetate

Concen: 72.298 ug/l

RT: 13.06 min Scan# 1222

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Tgt Ion: 43 Resp: 989423

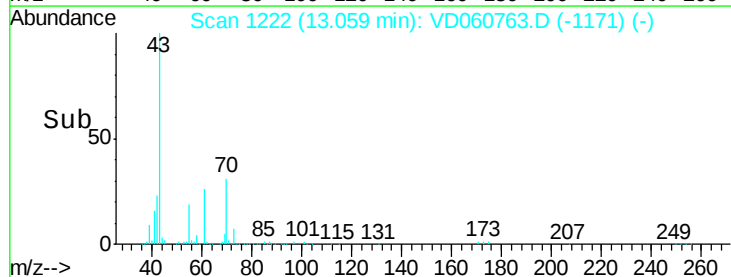
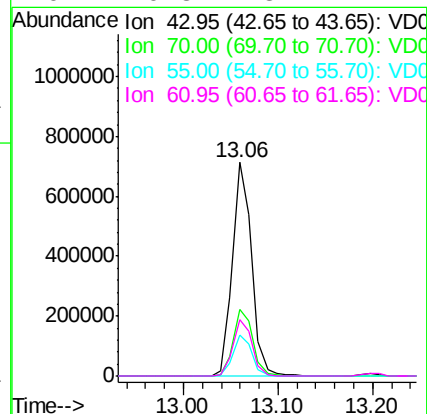
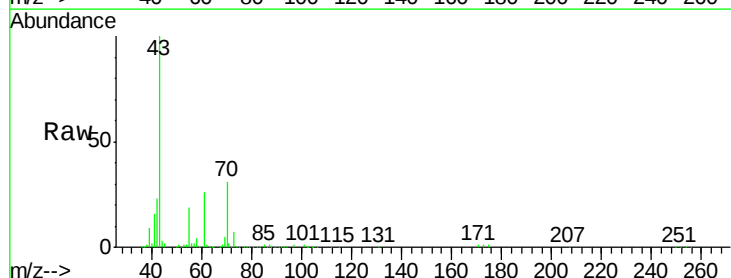
Ion Ratio Lower Upper

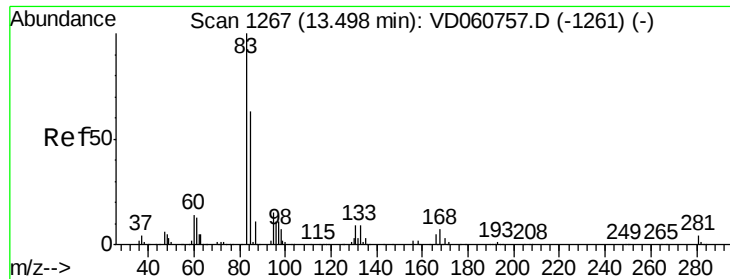
43 100

70 31.0 22.2 33.2

55 19.4 13.8 20.8

61 26.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 65.162 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

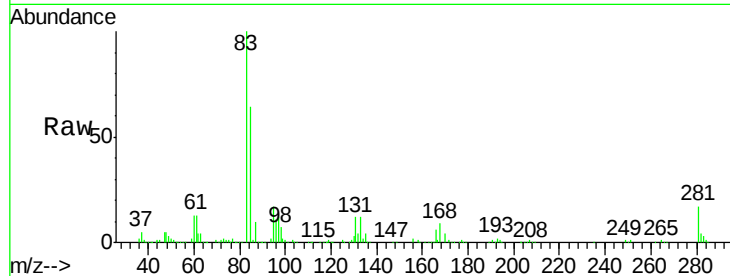
Tot Ion: 83 Resp: 612451

Ion	Ratio	Lower	Upper
83	100		
131	11.8	4.2	12.4
85	64.5	32.6	97.7

83 100

131 11.8 4.2 12.4

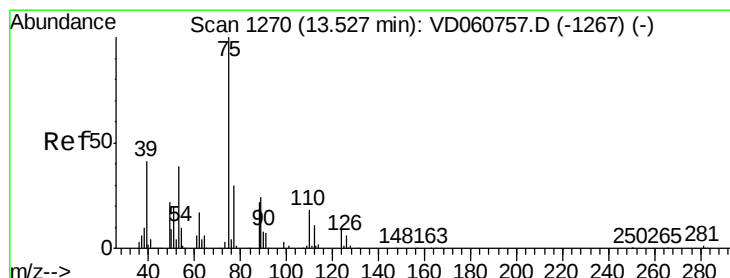
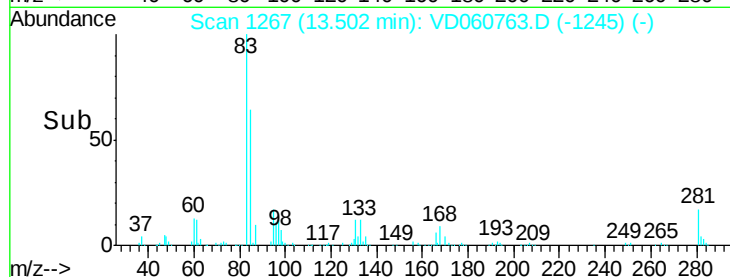
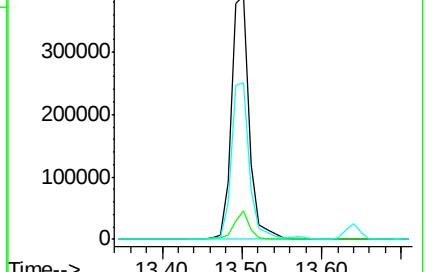
85 64.5 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 72.768 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD060763.D

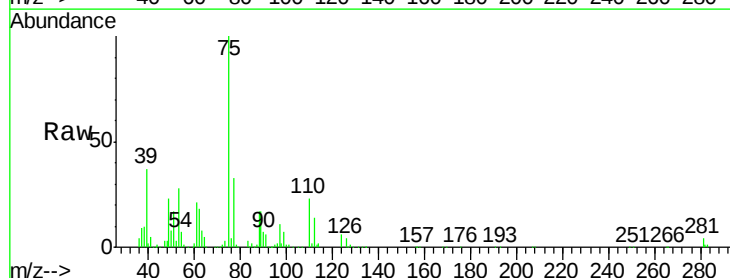
Acq: 18 Jan 2019 16:06

Tgt Ion: 75 Resp: 674709

Ion	Ratio	Lower	Upper
75	100		
77	32.7	16.7	50.0

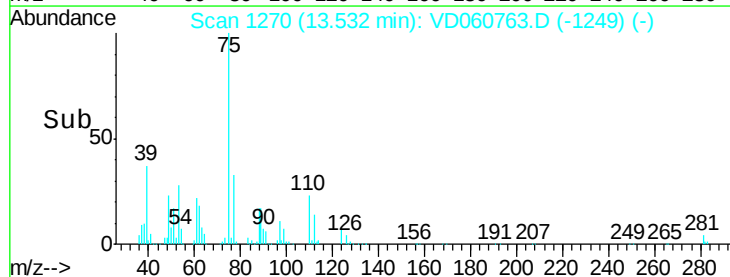
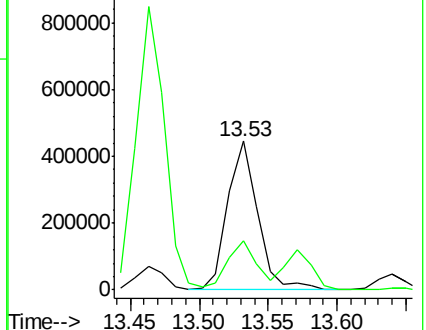
75 100

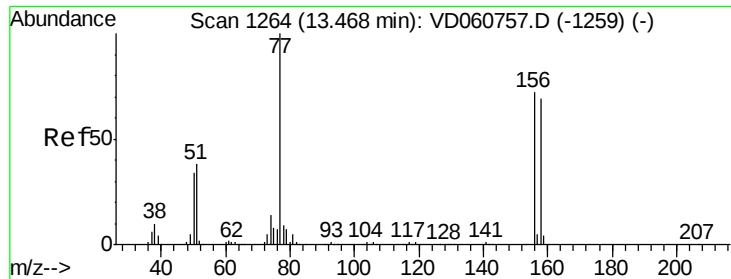
77 32.7 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.816 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

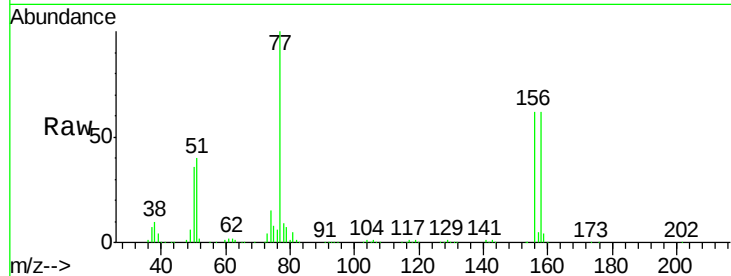
Tot Ion:156 Resp: 808557

Ion Ratio Lower Upper

156 100

77 161.4 61.3 183.9

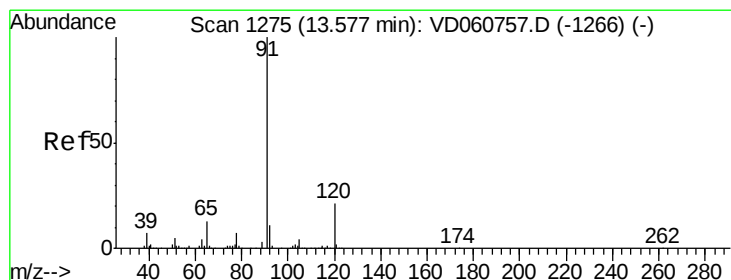
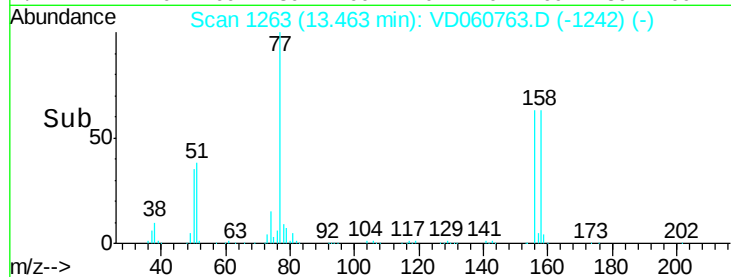
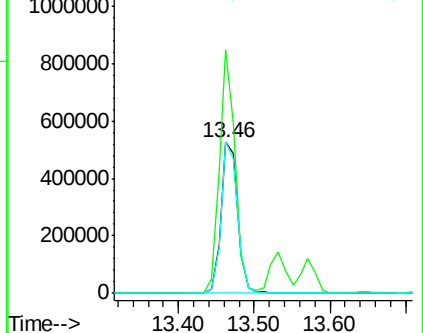
158 100.3 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.773 ug/l

RT: 13.57 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD060763.D

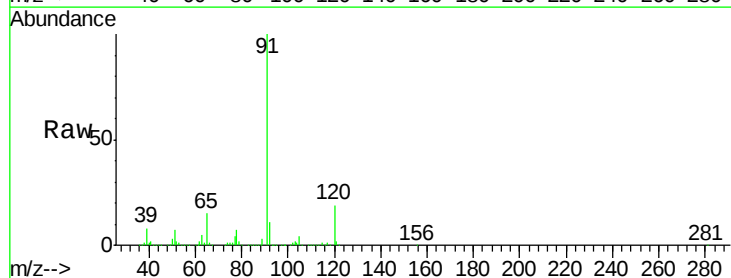
Acq: 18 Jan 2019 16:06

Tgt Ion: 91 Resp: 3763859

Ion Ratio Lower Upper

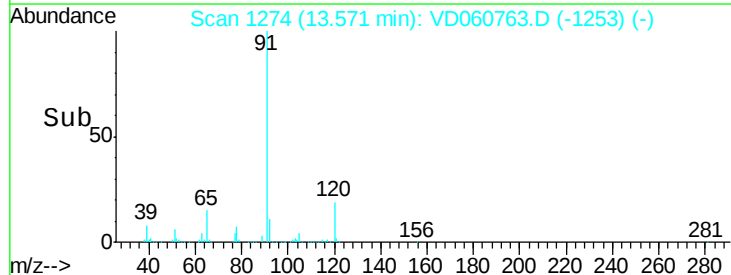
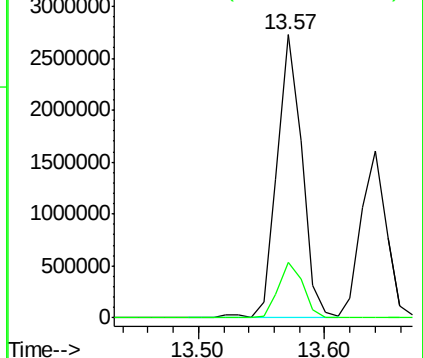
91 100

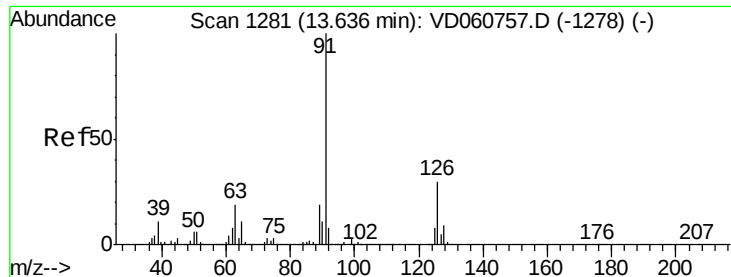
120 19.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.133 ug/l

RT: 13.64 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

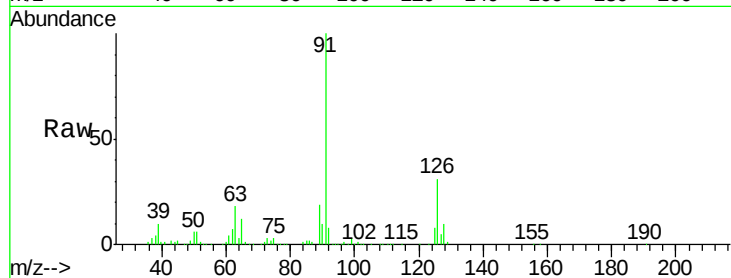
ICVVD011819

Tot Ion: 91 Resp: 2228792

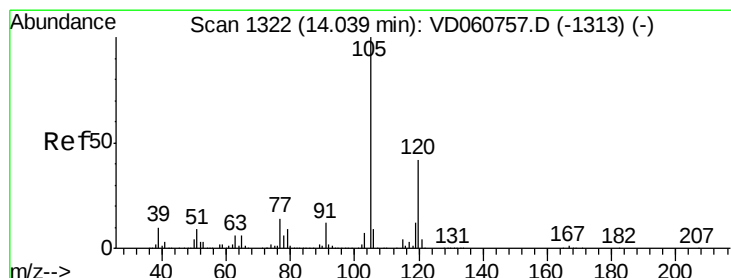
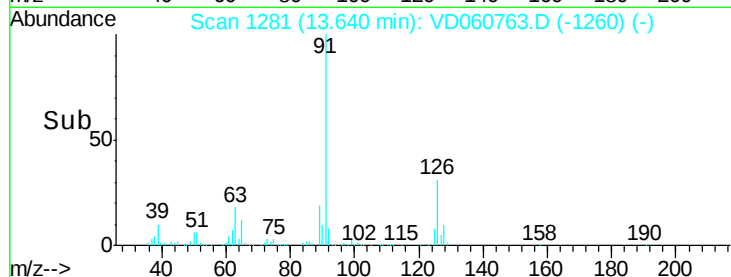
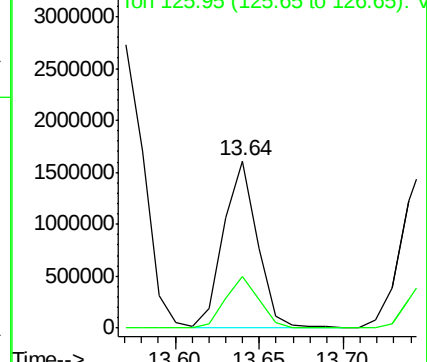
Ion Ratio Lower Upper

91 100

126 30.6 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VD060757.D (-1278) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.180 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VD060763.D

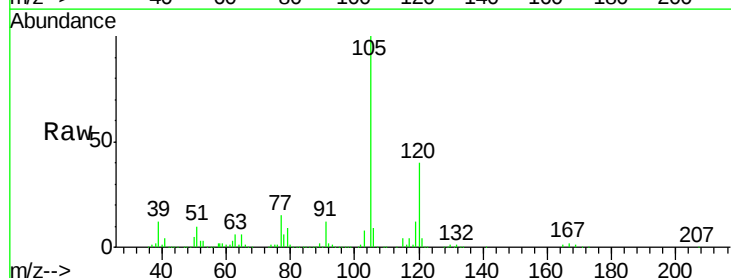
Acq: 18 Jan 2019 16:06

Tgt Ion:105 Resp: 2381183

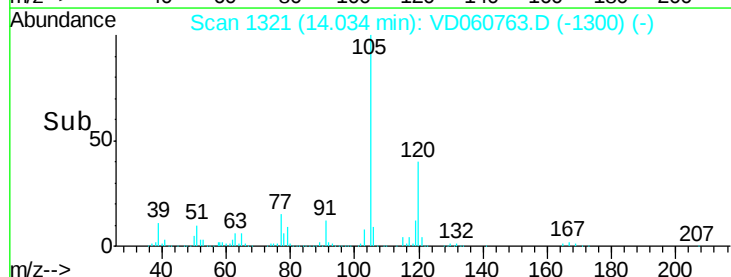
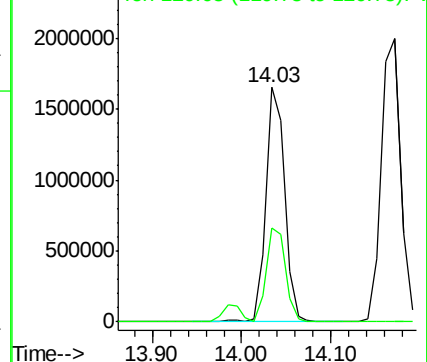
Ion Ratio Lower Upper

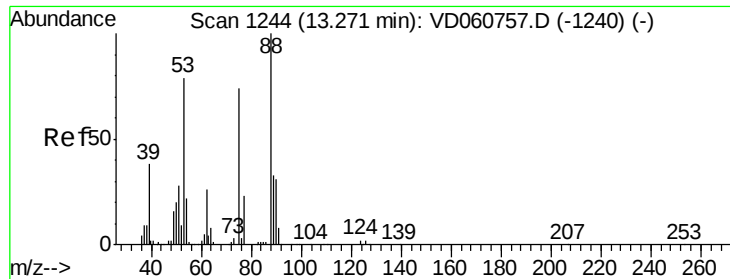
105 100

120 40.2 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060757.D (-1313) (-)

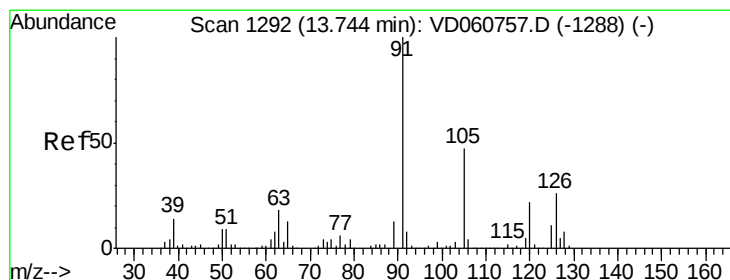
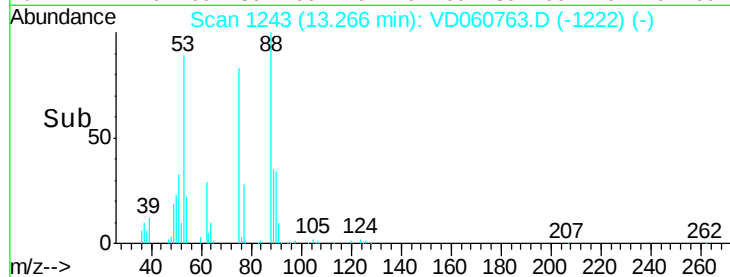
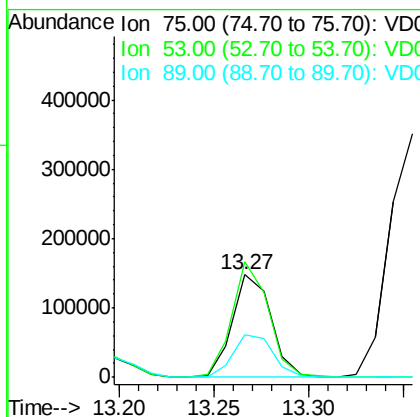
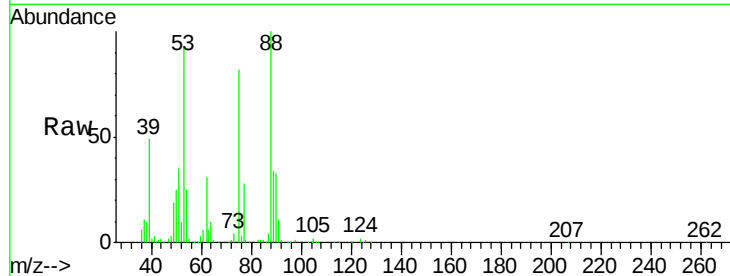




#81
trans-1,4-Dichloro-2-butene
Concen: 82.331 ug/l
RT: 13.27 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

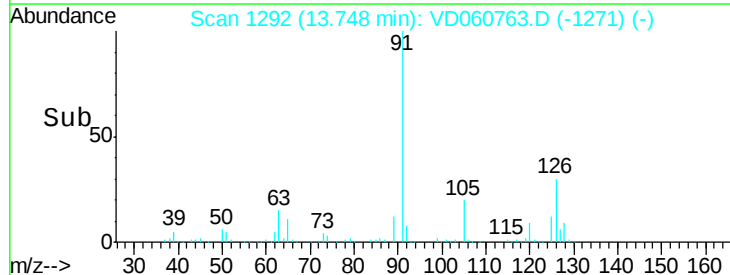
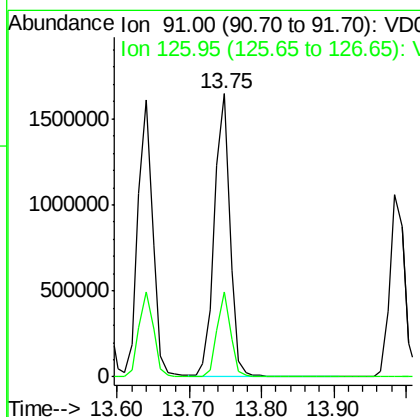
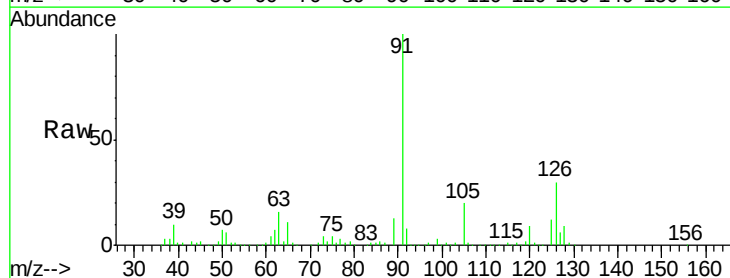
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

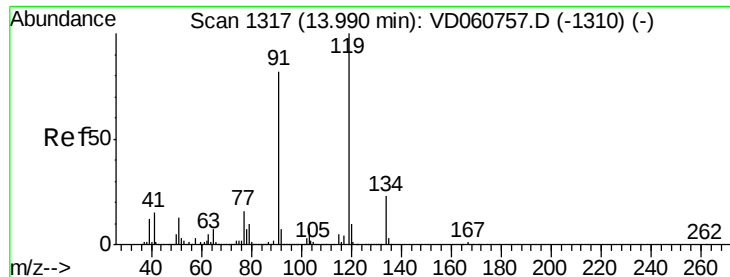
Tot Ion: 75 Resp: 210941
Ion Ratio Lower Upper
75 100
53 113.4 72.1 108.1#
89 41.8 35.1 52.7



#82
4-Chlorotoluene
Concen: 53.870 ug/l
RT: 13.75 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 91 Resp: 2424364
Ion Ratio Lower Upper
91 100
126 30.1 14.6 43.8

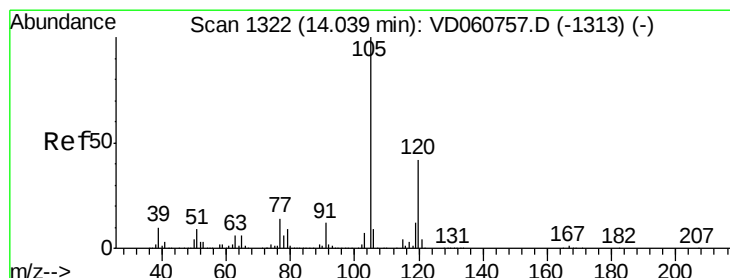
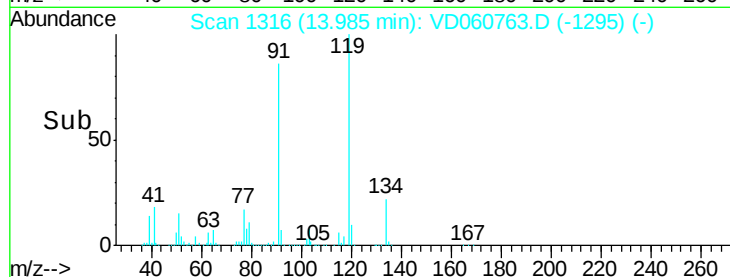
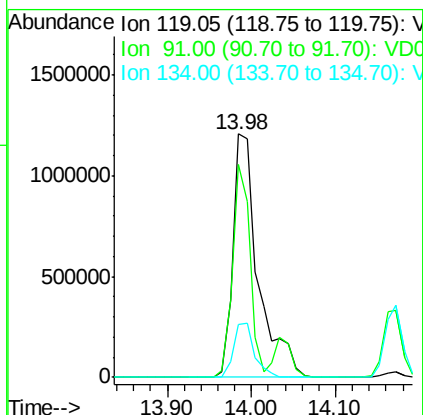
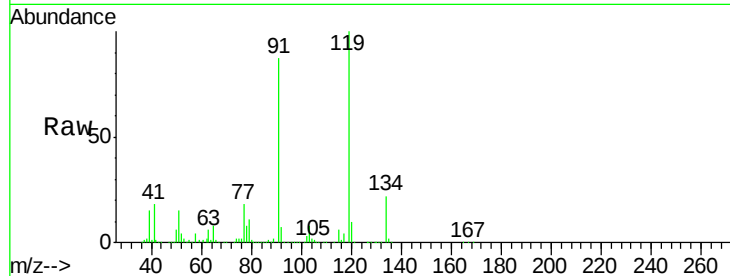




#83
tert-Butylbenzene
Concen: 49.473 ug/l
RT: 13.98 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

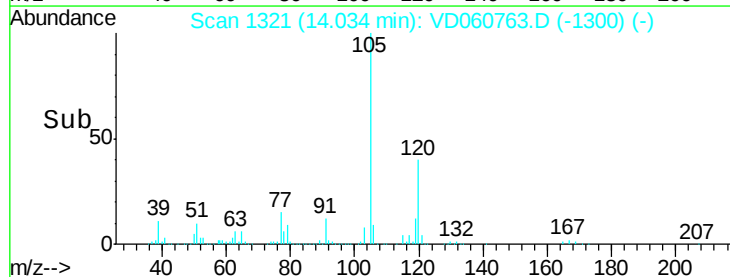
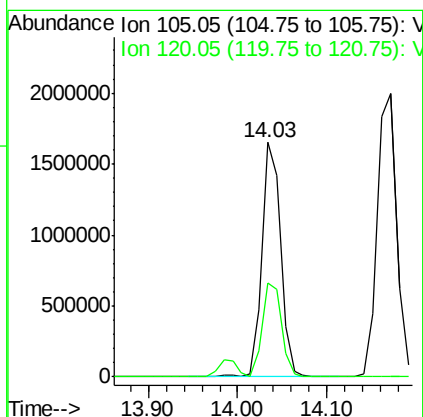
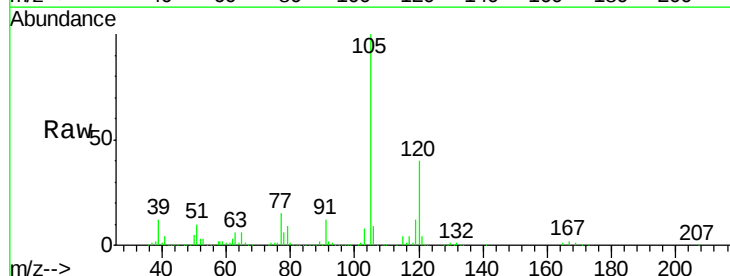
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

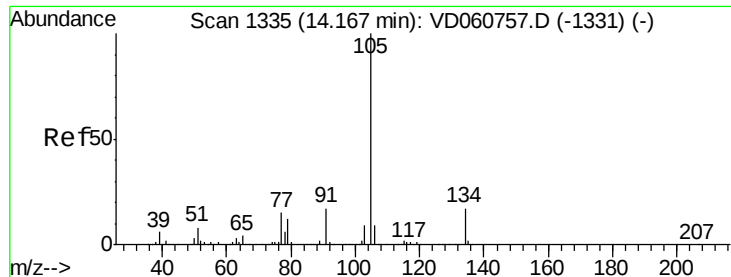
Tot Ion:119 Resp: 2521022
Ion Ratio Lower Upper
119 100
91 87.4 32.5 97.4
134 21.5 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 51.634 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion:105 Resp: 2381183
Ion Ratio Lower Upper
105 100
120 40.2 22.4 67.0





#85

sec-Butylbenzene

Concen: 47.772 ug/l

RT: 14.17 min Scan# 1335

Delta R.T. 0.02 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

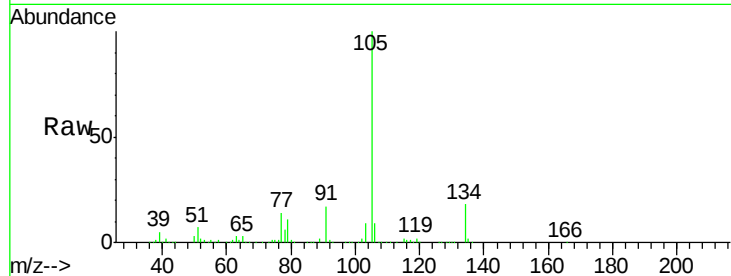
ICVVD011819

Tot Ion:105 Resp: 2968809

Ion Ratio Lower Upper

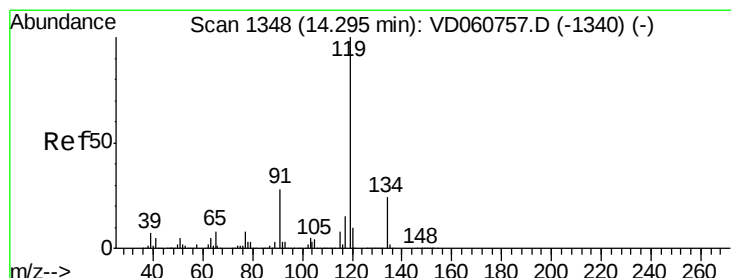
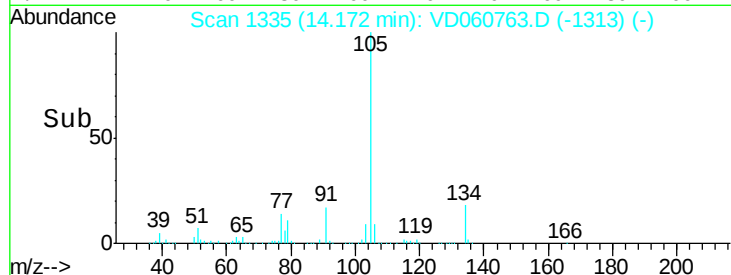
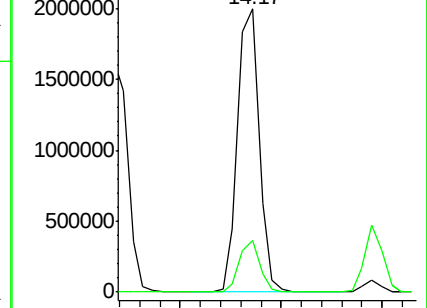
105 100

134 18.1 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.034 ug/l

RT: 14.29 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

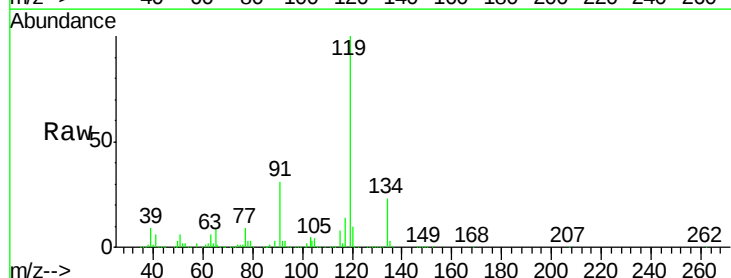
Tgt Ion:119 Resp: 2560104

Ion Ratio Lower Upper

119 100

134 23.2 12.5 37.5

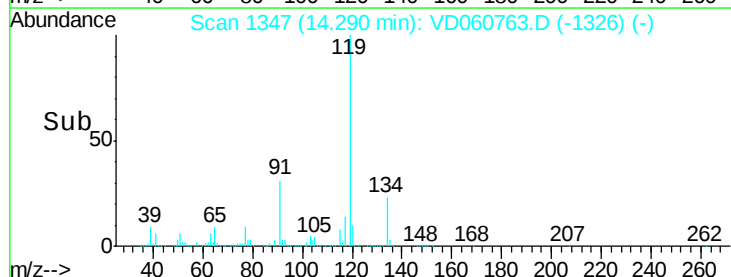
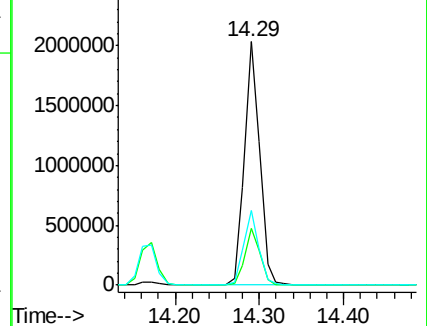
91 30.7 11.4 34.2

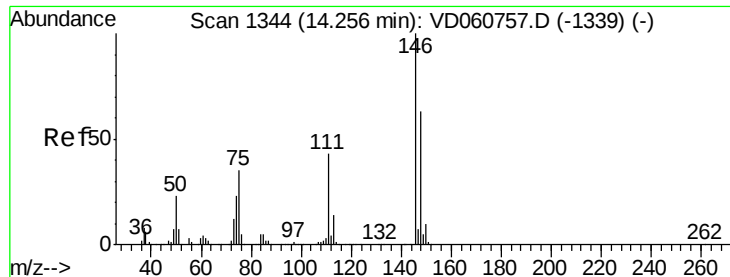


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

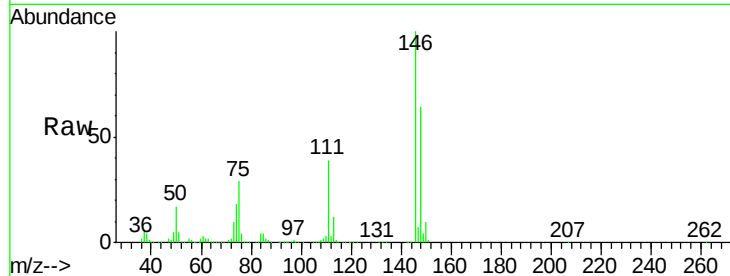




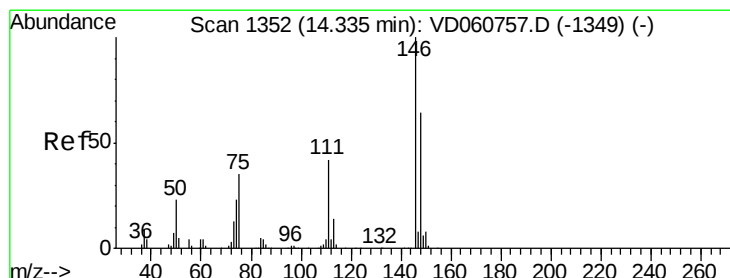
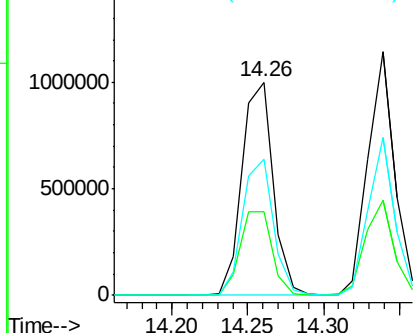
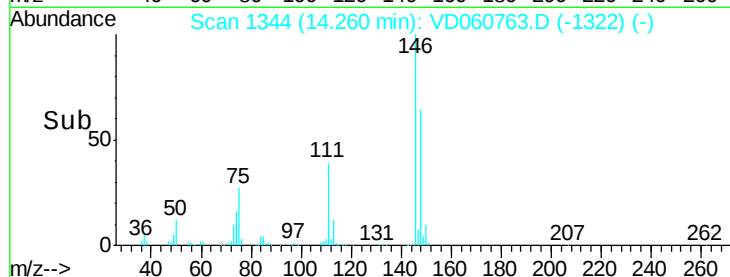
#87
 1,3-Dichlorobenzene
 Concen: 51.156 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.02 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

Tot Ion:146 Resp: 1437631
 Ion Ratio Lower Upper
 146 100
 111 39.2 16.6 49.8
 148 63.8 32.6 97.8

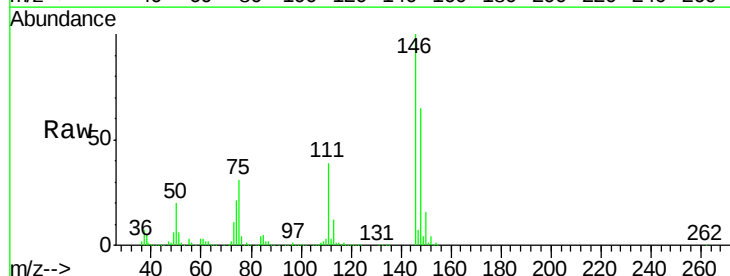


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

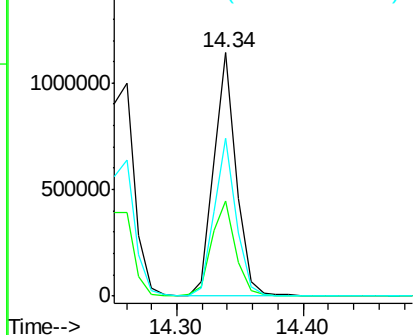
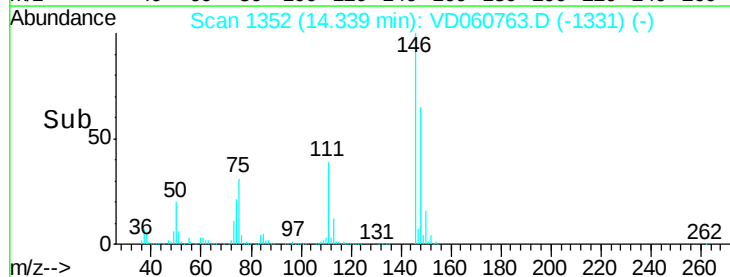


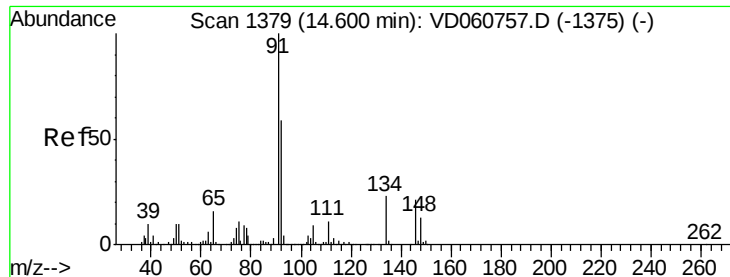
#88
 1,4-Dichlorobenzene
 Concen: 51.257 ug/l
 RT: 14.34 min Scan# 1352
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Tgt Ion:146 Resp: 1419463
 Ion Ratio Lower Upper
 146 100
 111 39.3 16.2 48.5
 148 64.7 32.7 98.1



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

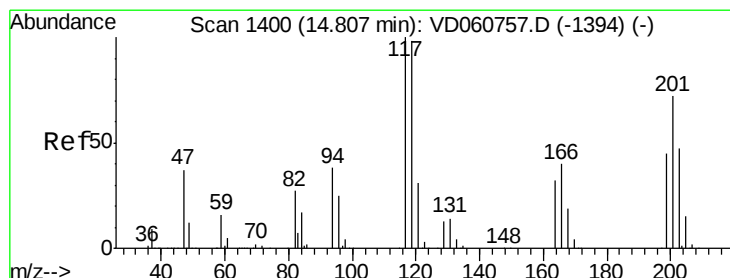
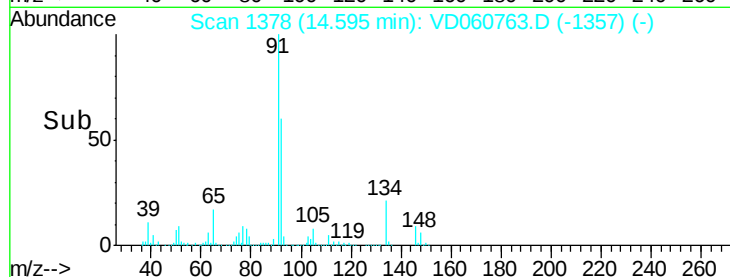
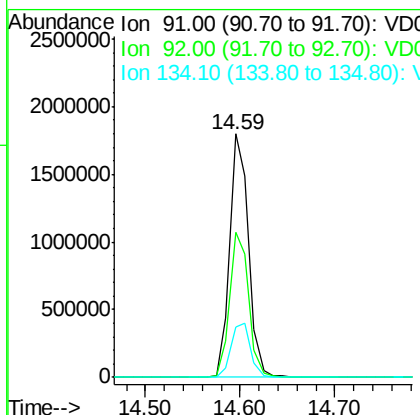
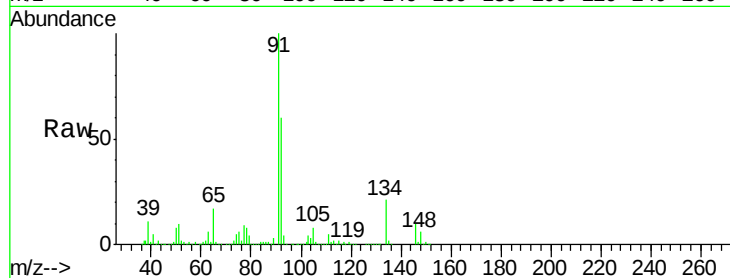




#89
n-Butylbenzene
Concen: 48.124 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

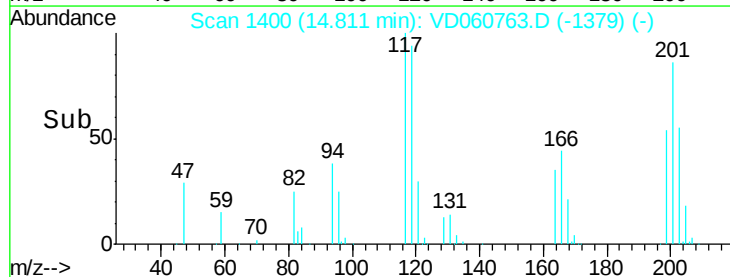
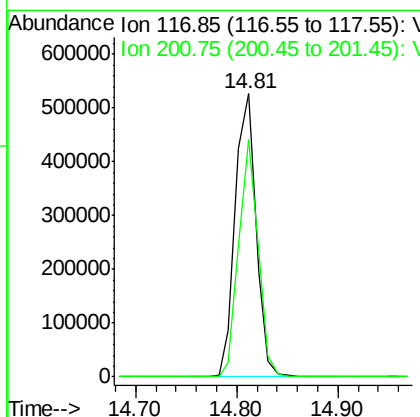
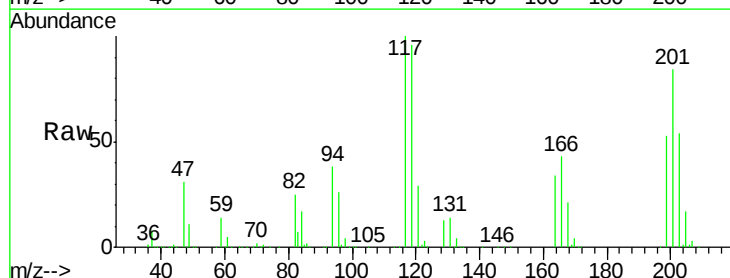
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

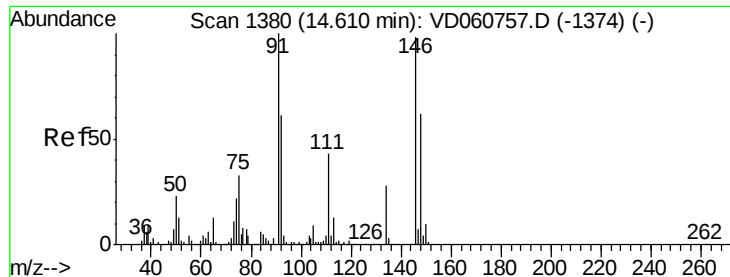
Tot Ion: 91 Resp: 2466969
Ion Ratio Lower Upper
91 100
92 59.7 29.7 89.1
134 20.8 12.7 38.1



#90
Hexachloroethane
Concen: 61.136 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Tgt Ion: 117 Resp: 753420
Ion Ratio Lower Upper
117 100
201 84.0 42.6 127.8

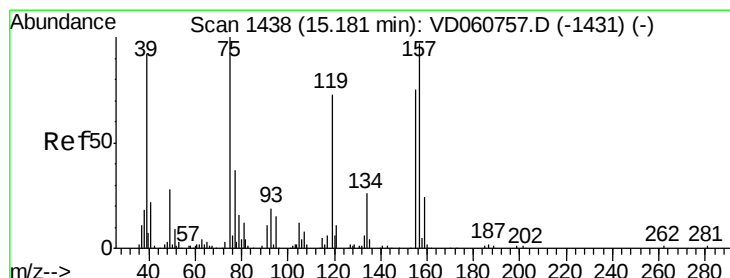
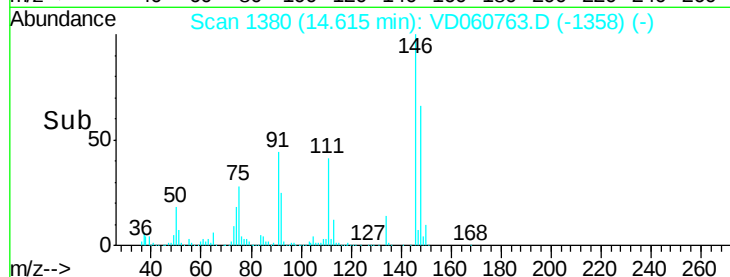
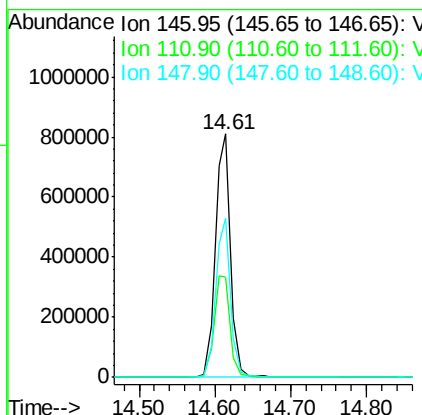
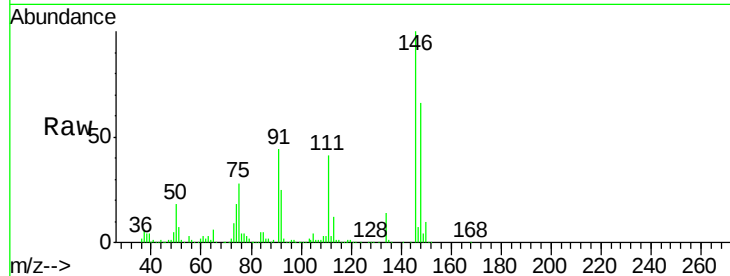




#91
 1,2-Dichlorobenzene
 Concen: 50.850 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.02 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

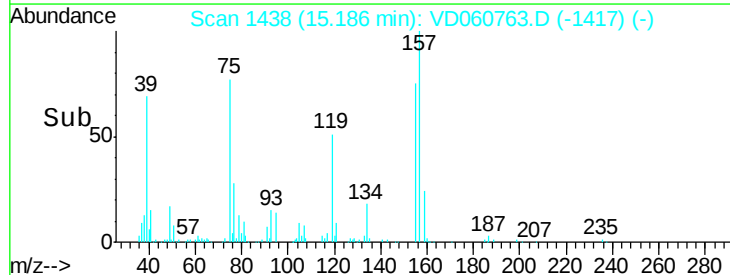
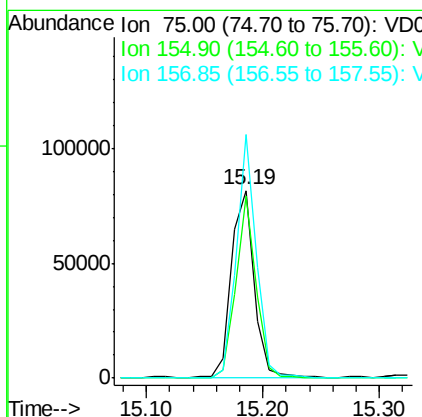
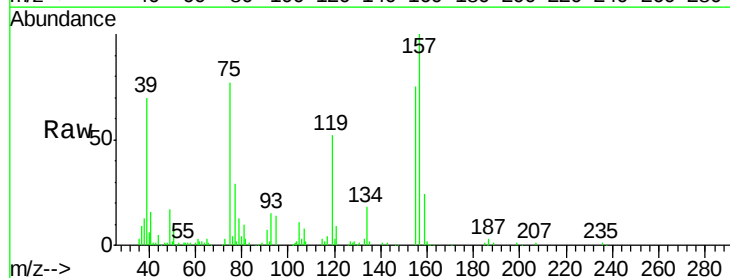
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

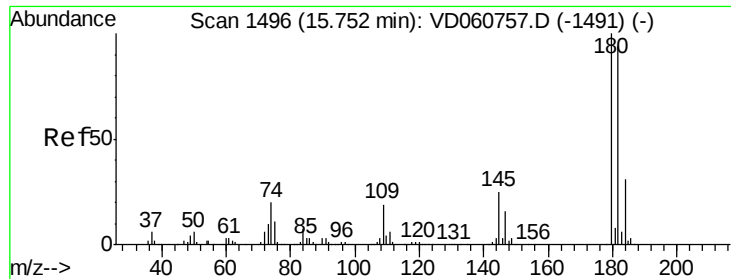
Tot Ion:146 Resp: 1146339
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.3 57.9
 148 65.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.452 ug/l
 RT: 15.19 min Scan# 1438
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Tgt Ion: 75 Resp: 112022
 Ion Ratio Lower Upper
 75 100
 155 97.2 41.1 123.4
 157 129.7 52.5 157.6

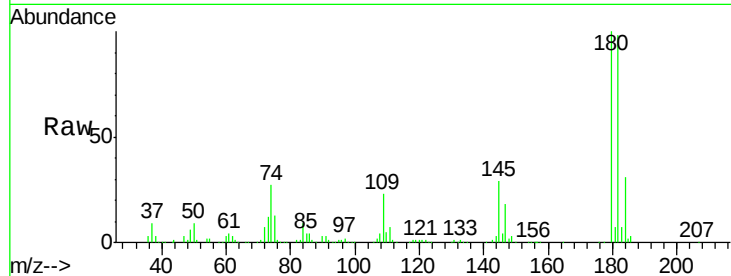




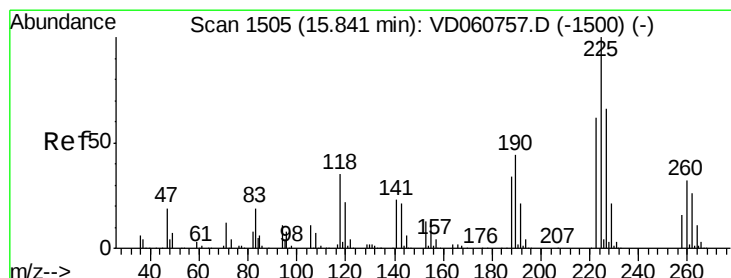
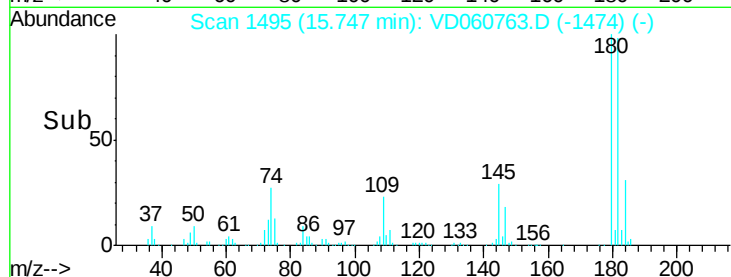
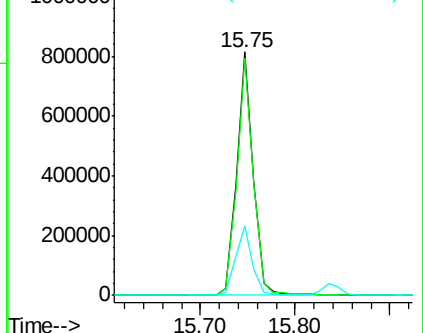
#93
 1,2,4-Trichlorobenzene
 Concen: 54.879 ug/l
 RT: 15.75 min Scan# 1495
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

Tot Ion:180 Resp: 984448
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.8 146.4
 145 28.8 11.8 35.3

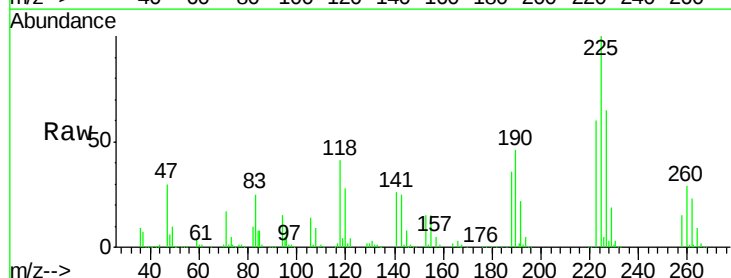


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

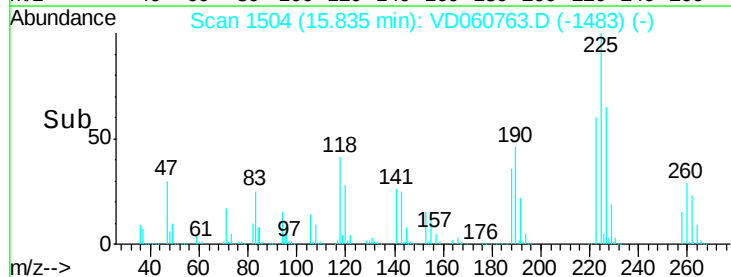
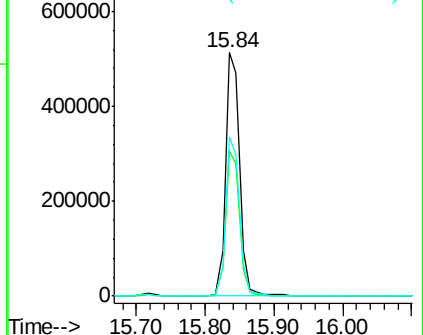


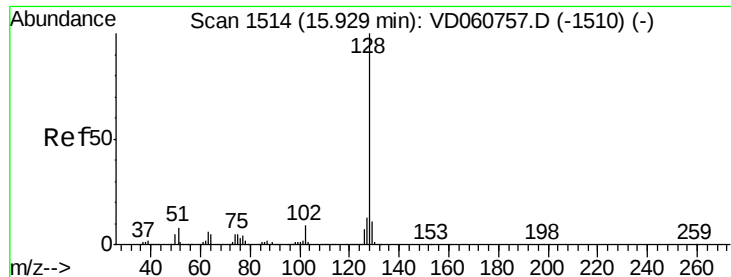
#94
 Hexachlorobutadiene
 Concen: 54.519 ug/l
 RT: 15.84 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Tgt Ion:225 Resp: 722878
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.3 93.8
 227 65.2 32.5 97.4



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: 75.984 ug/l

RT: 15.92 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD011819

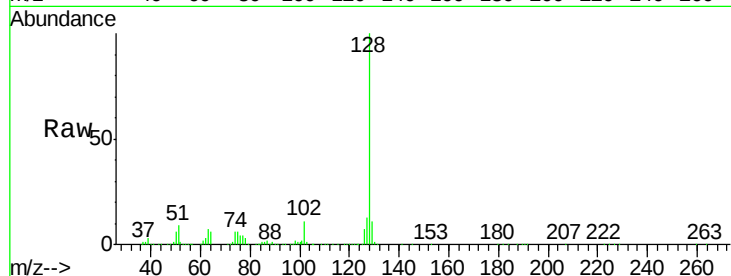
Tot Ion:128 Resp: 1620007

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

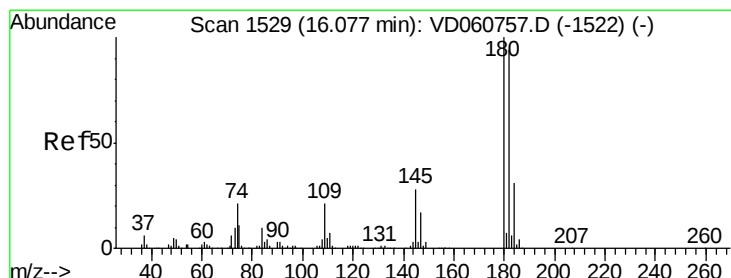
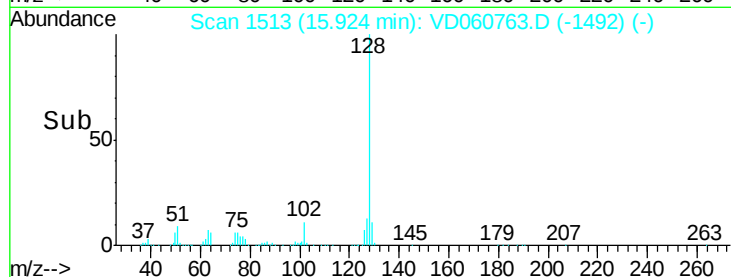
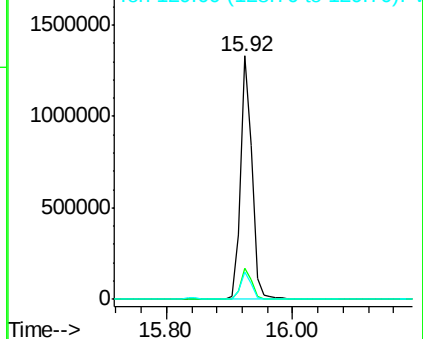
129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 63.051 ug/l

RT: 16.07 min Scan# 1528

Delta R.T. 0.01 min

Lab File: VD060763.D

Acq: 18 Jan 2019 16:06

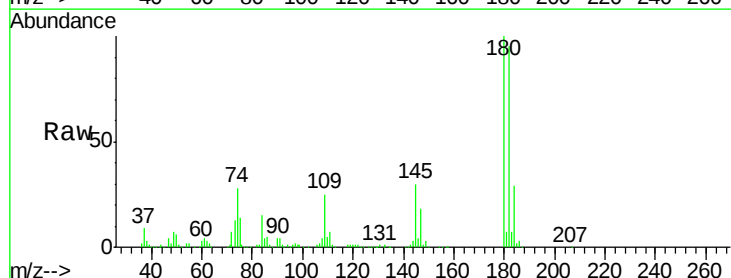
Tgt Ion:180 Resp: 884157

Ion Ratio Lower Upper

180 100

182 95.1 48.6 145.9

145 30.0 12.6 37.8



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

