

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 : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

Quant Time: Jan 19 03:28:07 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	374697m	68.468	ug/l	
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

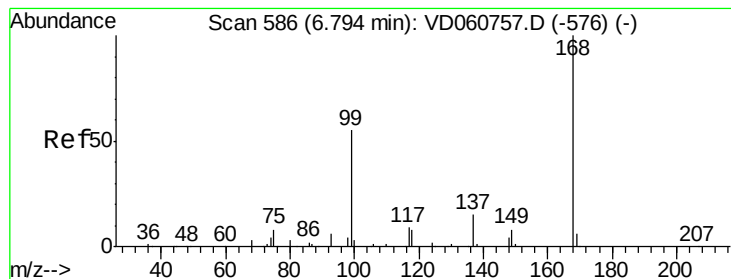
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	984448	54.879	ug/l	98
94) Hexachlorobutadiene	15.84	225	722878	54.519	ug/l	98
95) Naphthalene	15.92	128	1620007	75.984	ug/l	99
96) 1,2,3-Trichlorobenzene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

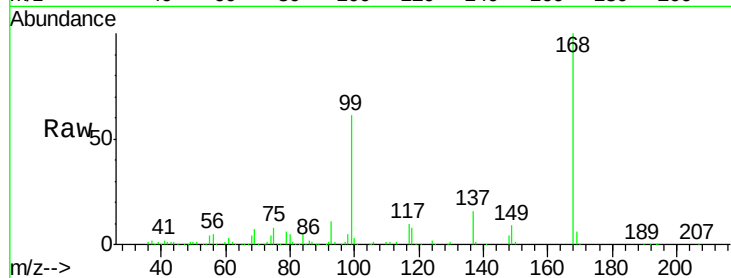
ICVVD011819

Tot Ion:168 Resp: 1542266

Ion Ratio Lower Upper

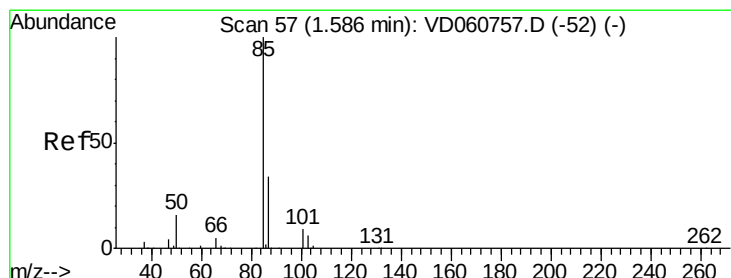
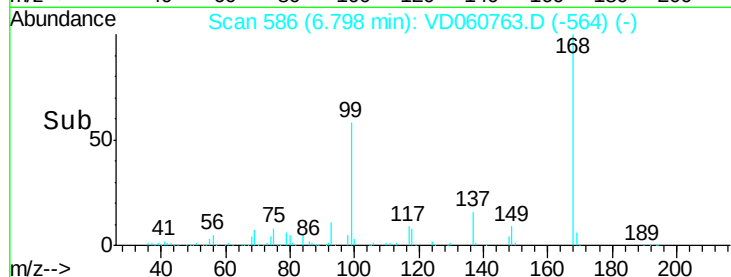
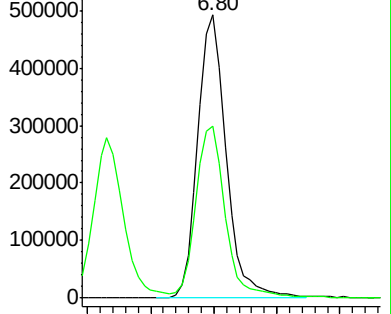
168 100

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

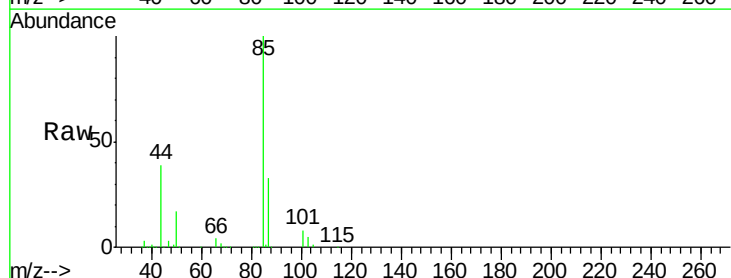
Acq: 18 Jan 2019 16:06

Tgt Ion: 85 Resp: 879661

Ion Ratio Lower Upper

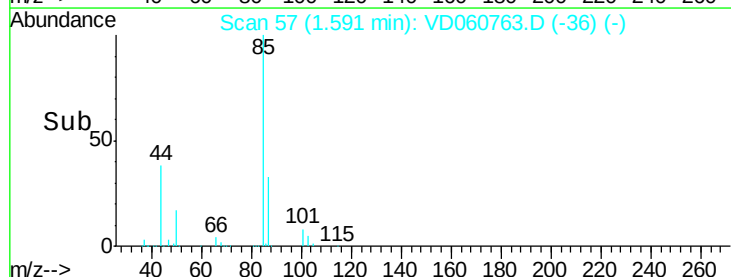
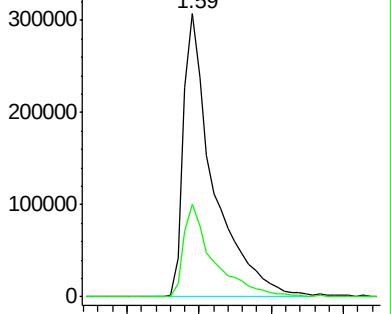
85 100

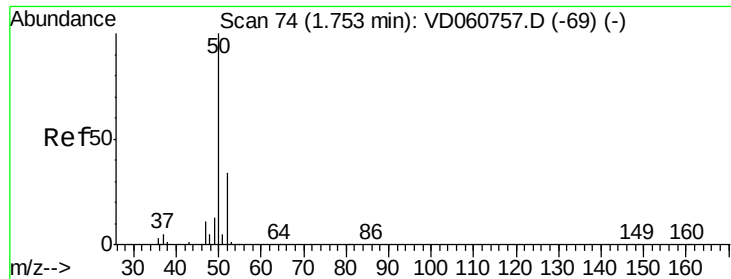
87 32.6 16.0 47.9



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 :

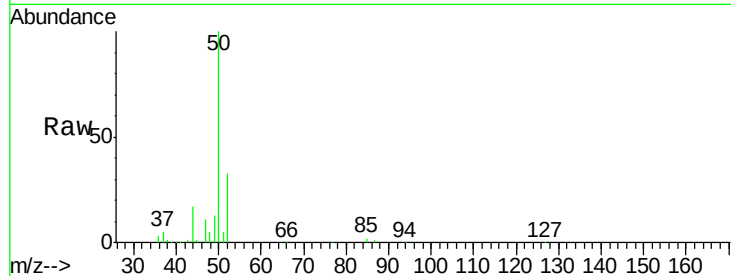
ICVVD011819

Tot Ion: 50 Resp: 519296

Ion Ratio Lower Upper

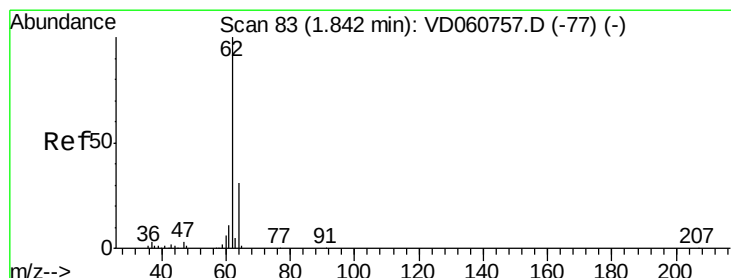
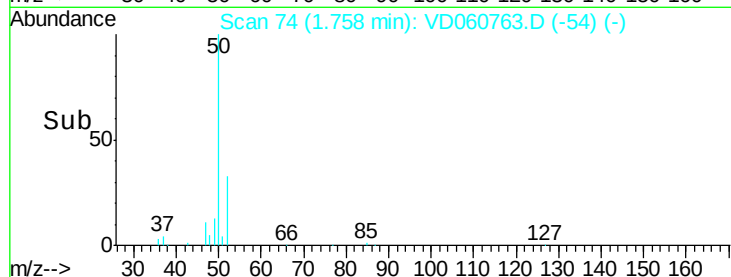
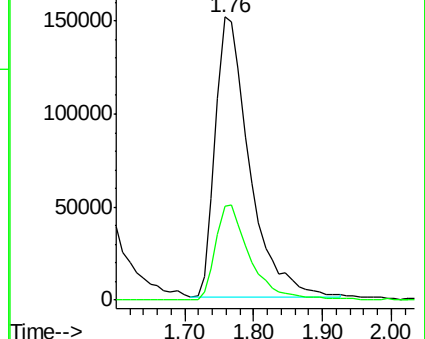
50 100

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

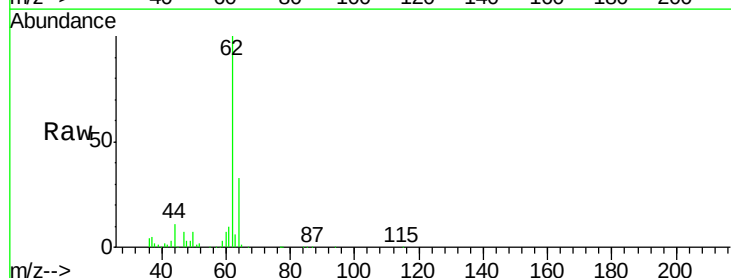
Acq: 18 Jan 2019 16:06

Tgt Ion: 62 Resp: 540773

Ion Ratio Lower Upper

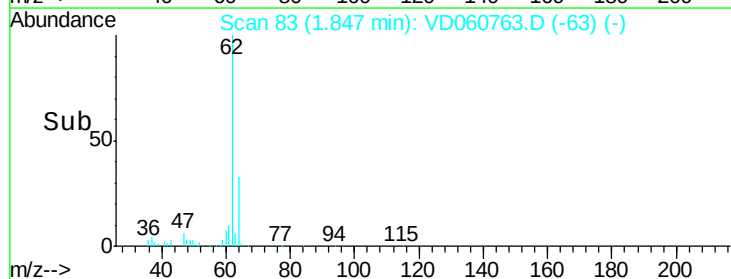
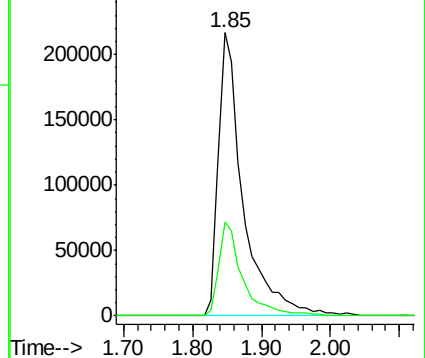
62 100

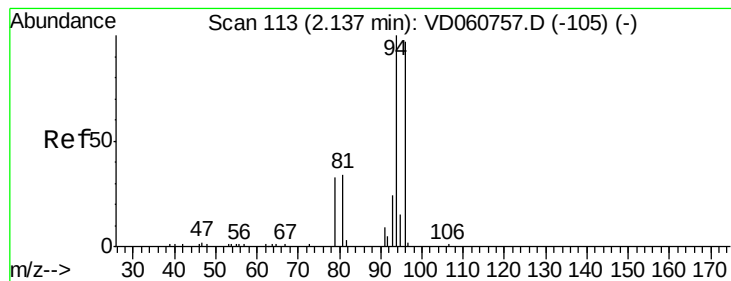
64 33.2 25.0 37.6



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 :

MSVOA_D

ClientSampleId :

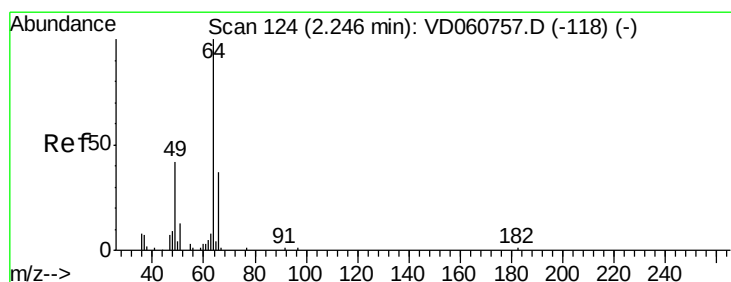
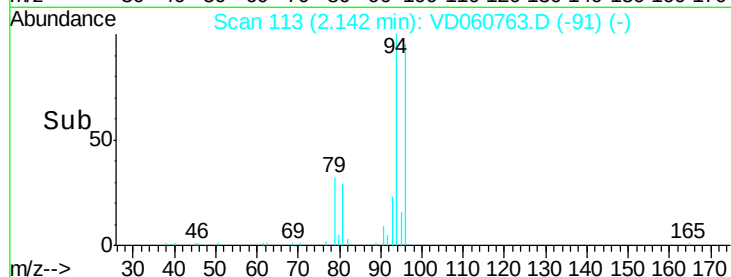
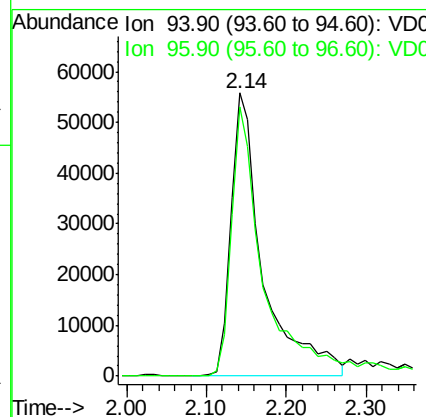
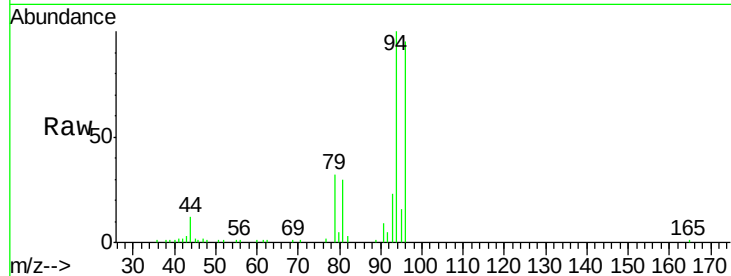
ICVVD011819

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

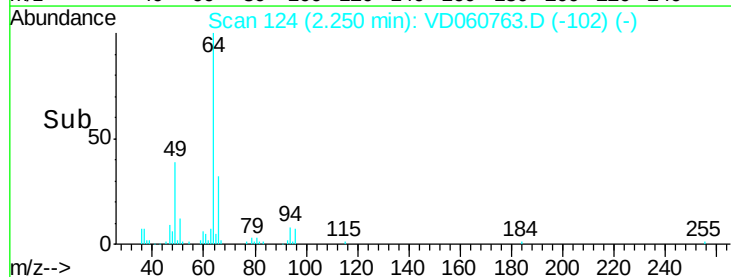
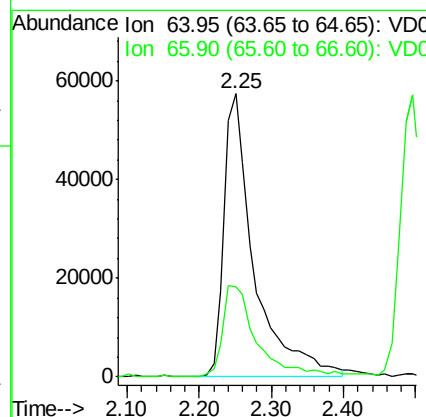
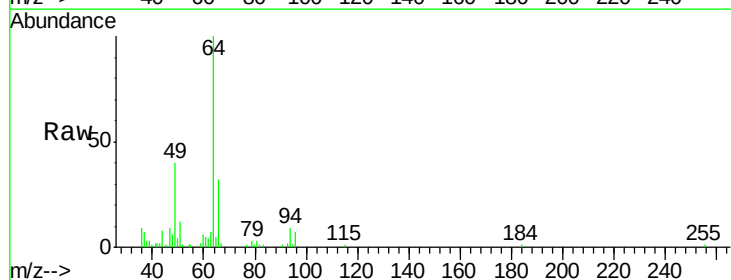
Acq: 18 Jan 2019 16:06

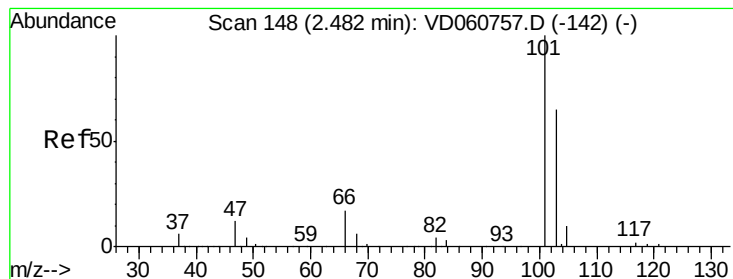
Tgt Ion: 64 Resp: 166098

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



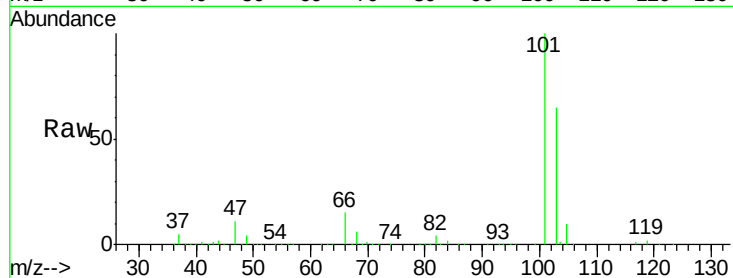


#7

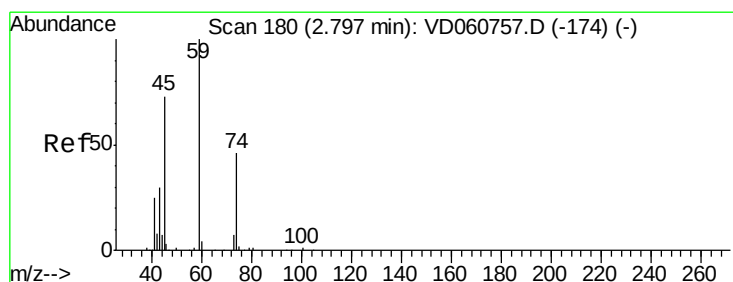
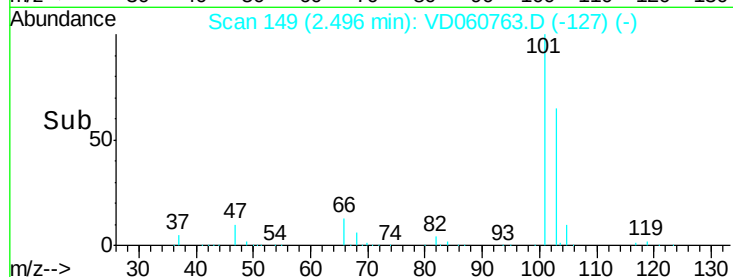
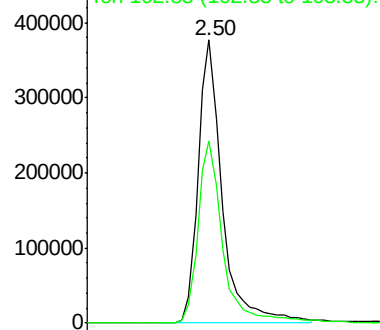
Trichlorofluoromethane
Concen: 57.004 ug/l
RT: 2.50 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

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



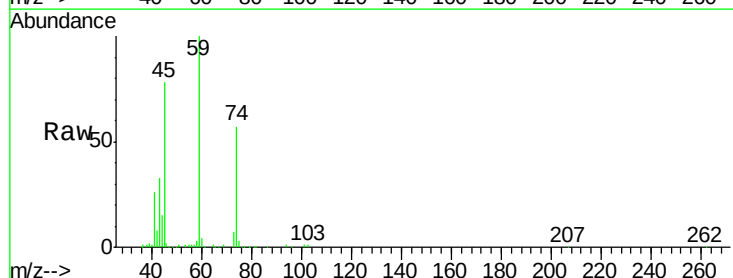
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



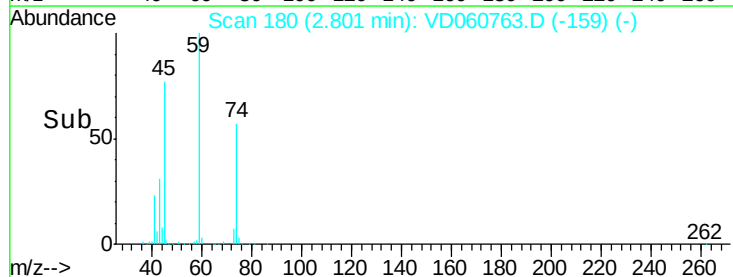
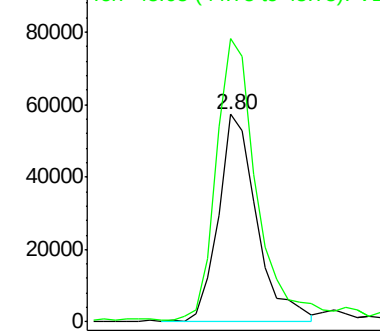
#8

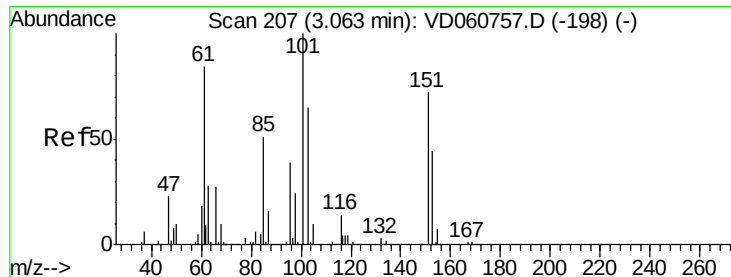
Diethyl Ether
Concen: 48.709 ug/l
RT: 2.80 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

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





#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 :

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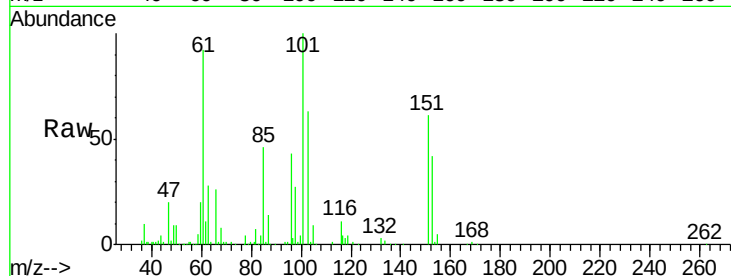
Tot Ion:101 Resp: 464760

Ion Ratio Lower Upper

101 100

85 46.5 33.4 50.0

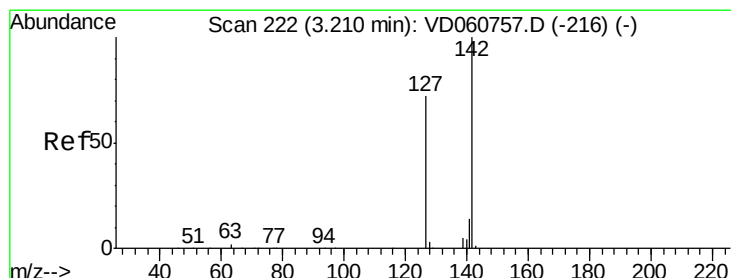
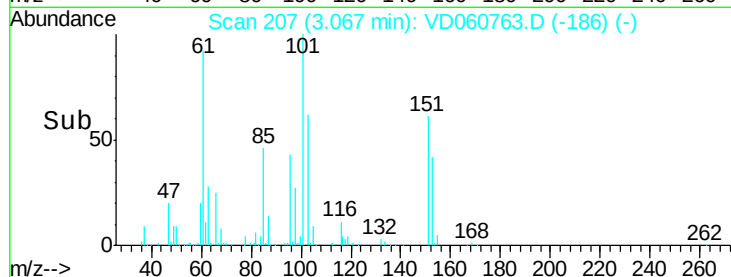
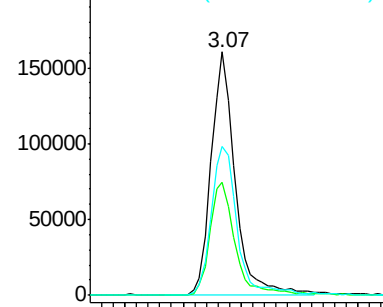
151 61.4 47.5 71.3



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

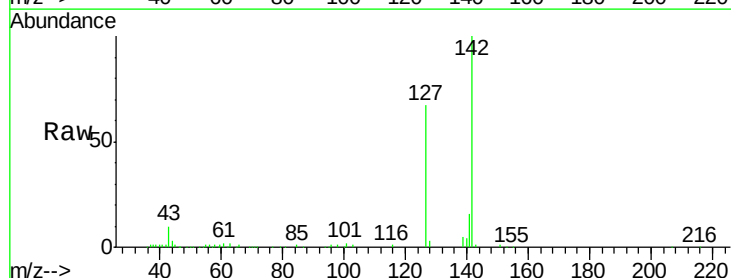
Tgt Ion:142 Resp: 514670

Ion Ratio Lower Upper

142 100

127 67.3 39.5 59.3#

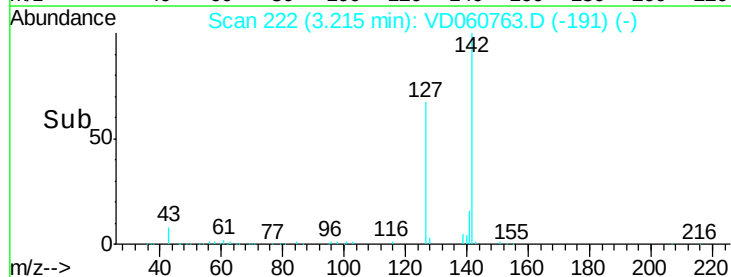
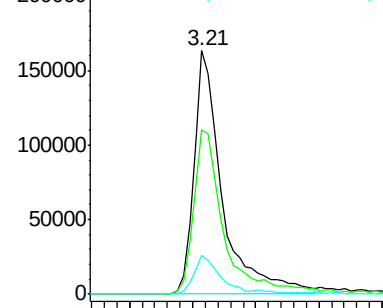
141 15.8 11.3 16.9

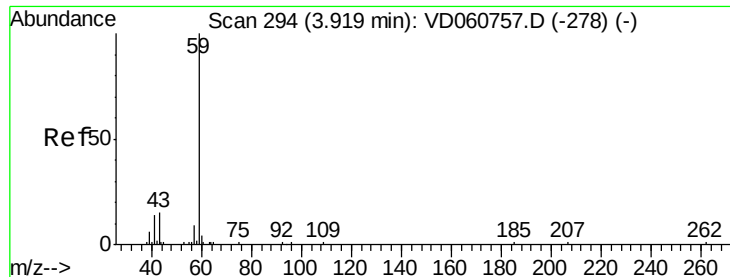


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

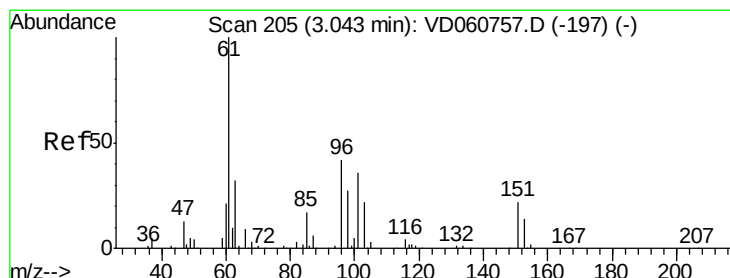
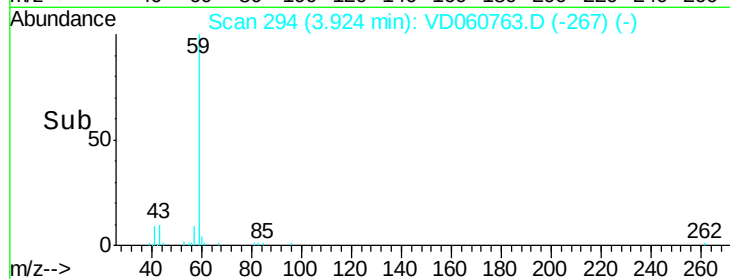
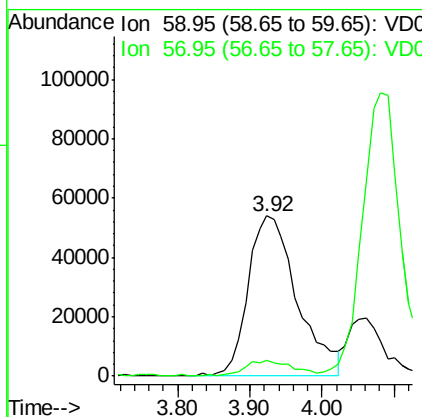
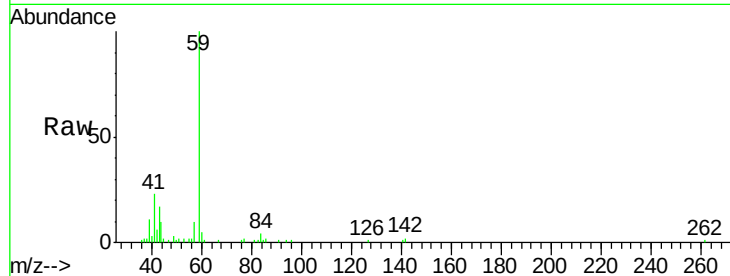




#11
Tert butyl alcohol
Concen: 575.163 ug/l
RT: 3.92 min Scan# 294
Delta R.T. 0.06 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

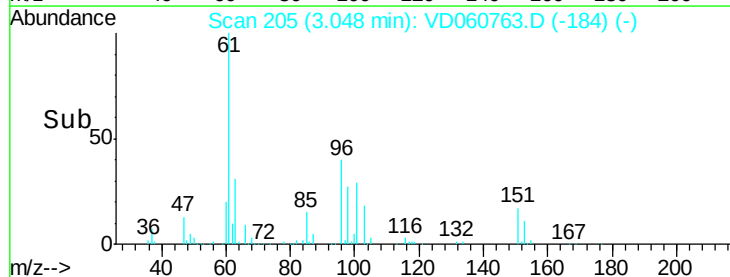
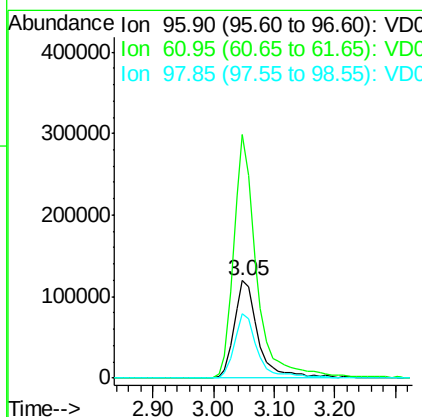
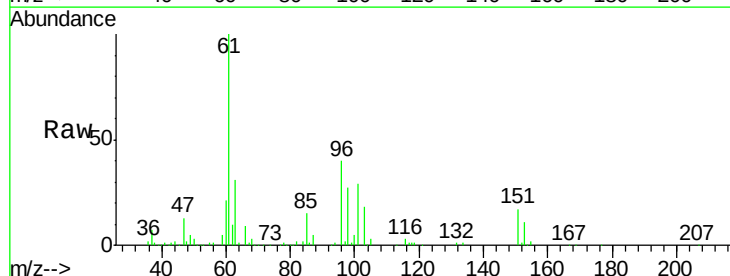
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

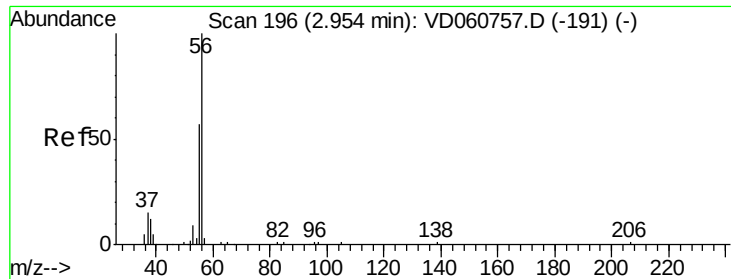
Tot Ion: 59 Resp: 256194
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6



#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





#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 :

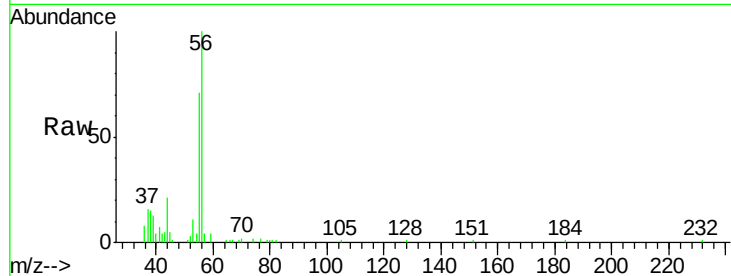
ICVVD011819

Tot Ion: 56 Resp: 93406

Ion Ratio Lower Upper

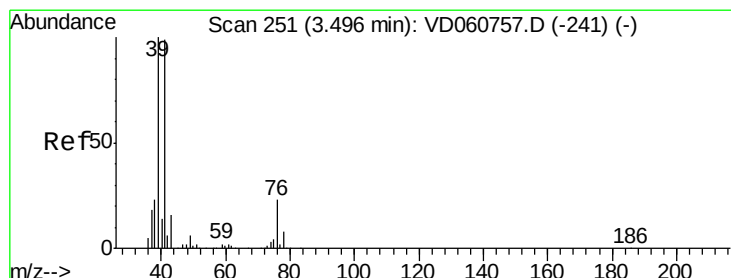
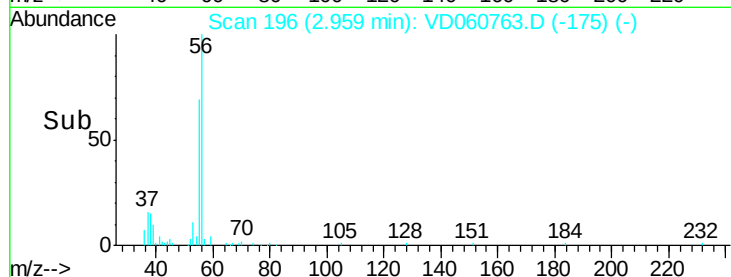
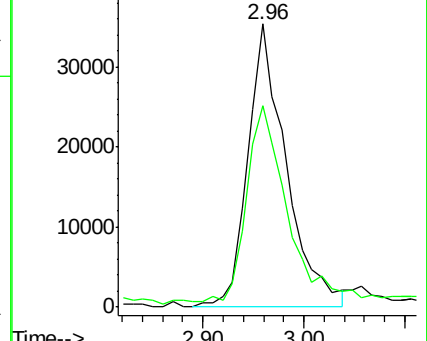
56 100

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

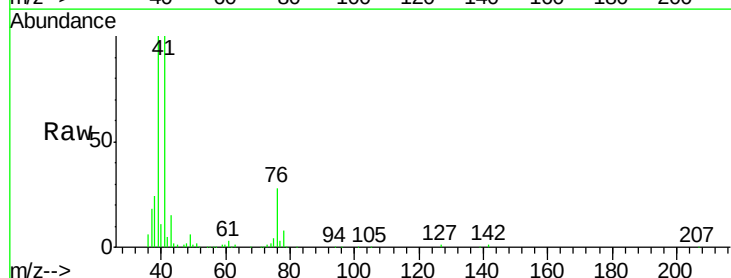
Tgt Ion: 41 Resp: 733356

Ion Ratio Lower Upper

41 100

39 100.1 59.6 89.4#

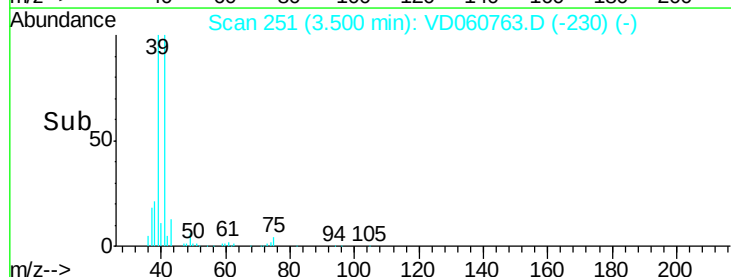
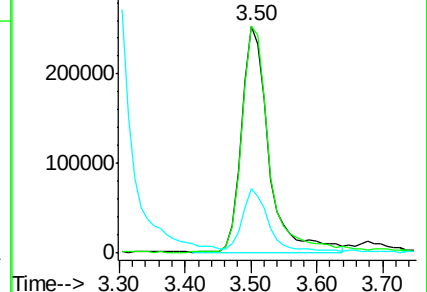
76 28.2 21.8 32.6

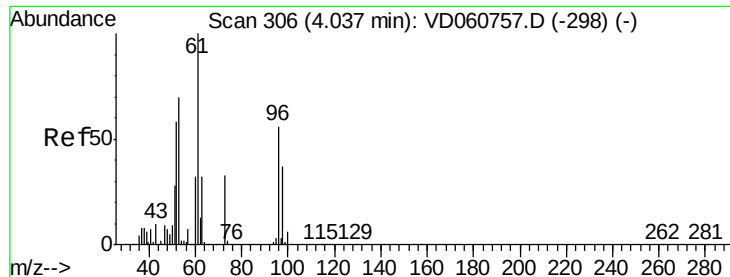


Abundance Ion 41.05 (40.75 to 41.75): VDC

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

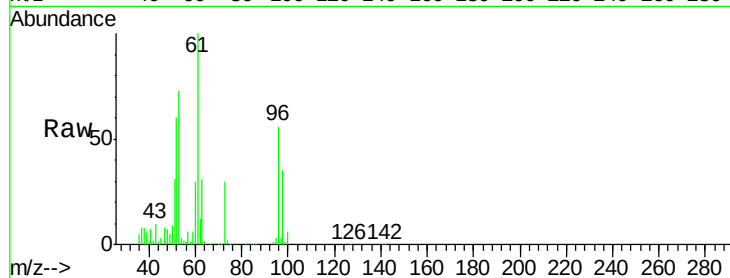
Tot Ion: 53 Resp: 758544

Ion Ratio Lower Upper

53 100

52 82.6 66.7 100.1

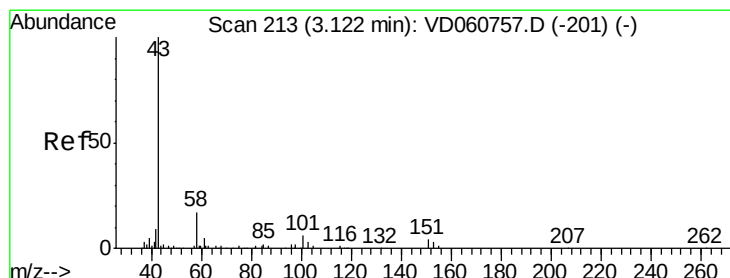
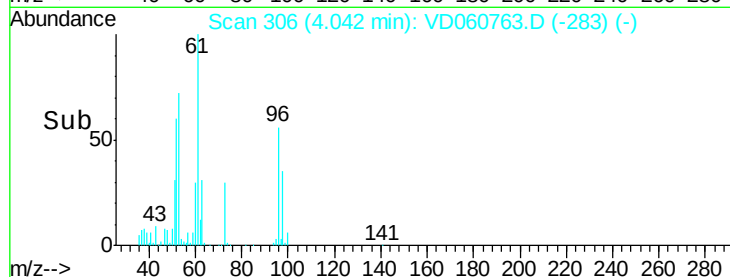
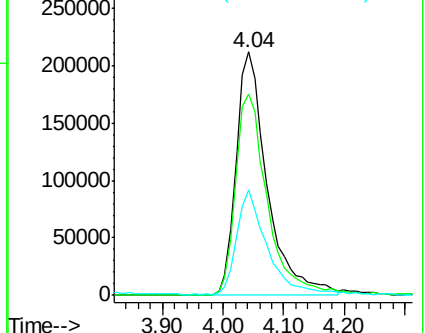
51 43.1 32.7 49.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 342.256 ug/l

RT: 3.13 min Scan# 213

Delta R.T. 0.02 min

Lab File: VD060763.D

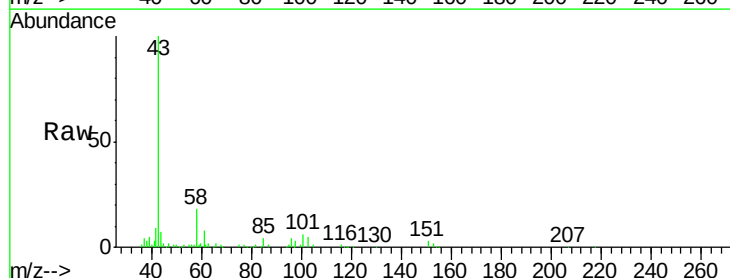
Acq: 18 Jan 2019 16:06

Tgt Ion: 43 Resp: 637041

Ion Ratio Lower Upper

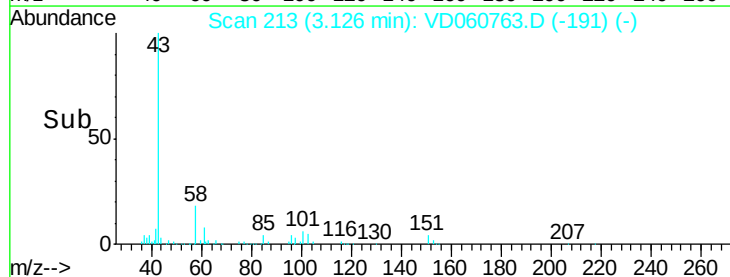
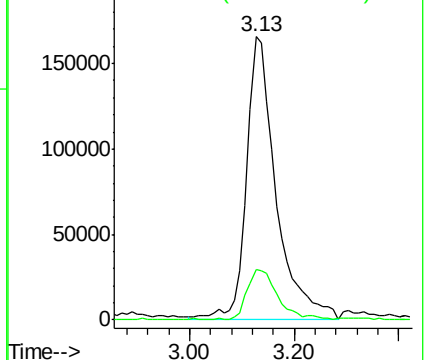
43 100

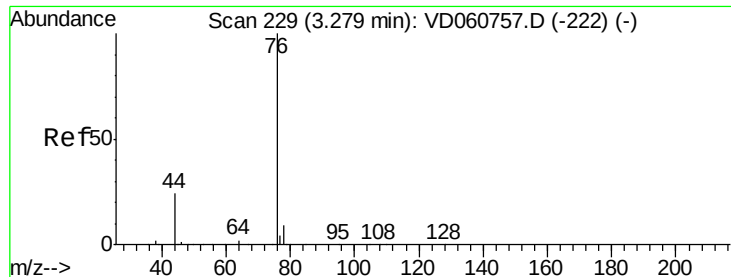
58 17.9 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

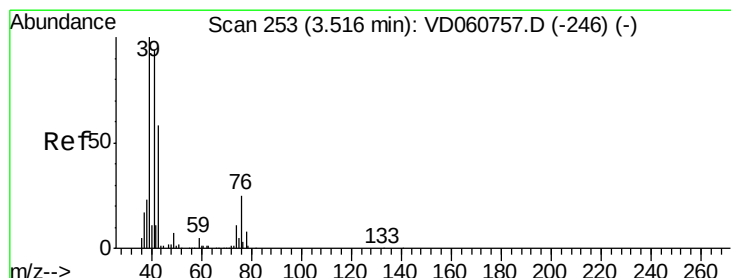
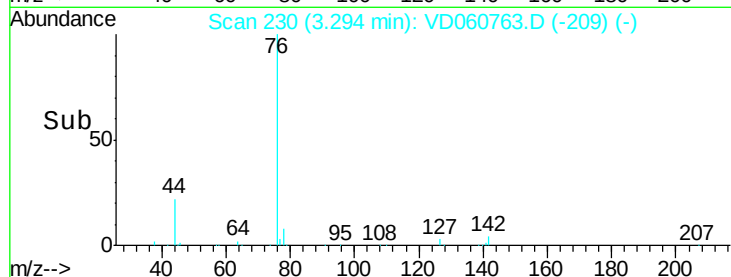
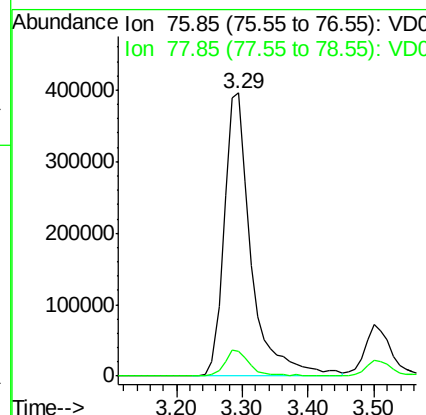
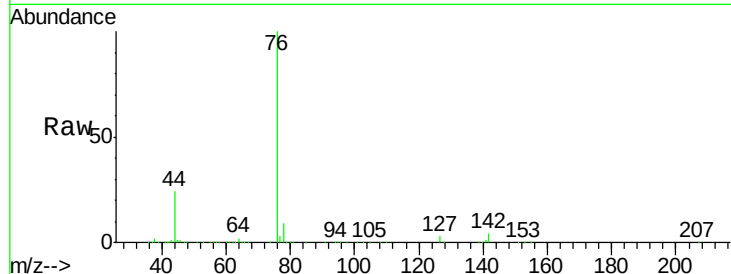




#17
Carbon Disulfide
Concen: 41.475 ug/l
RT: 3.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

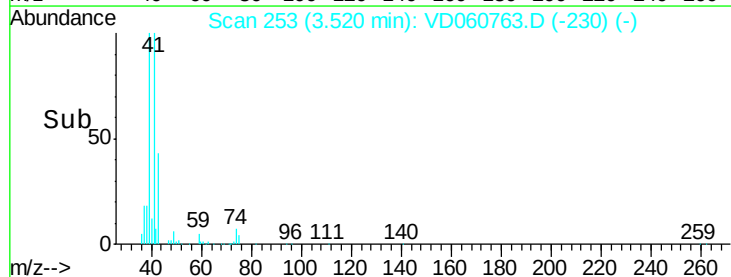
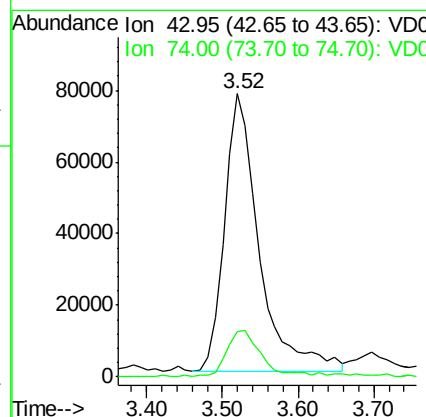
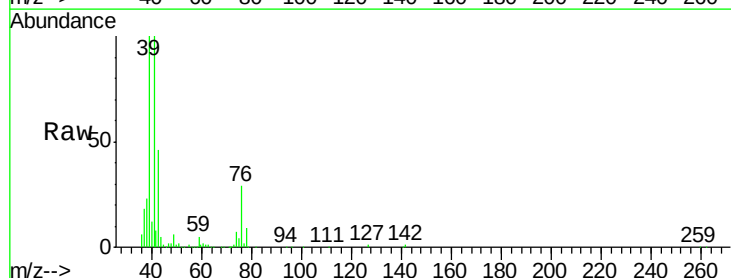
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

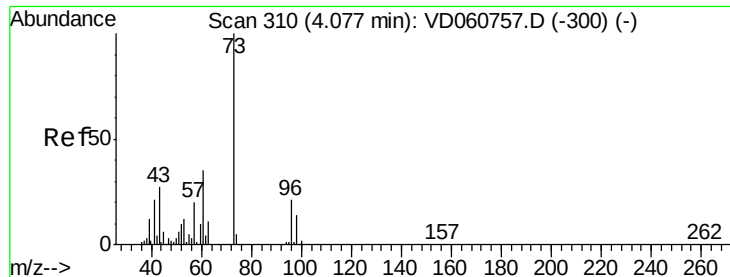
Tot Ion: 76 Resp: 1130661
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#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



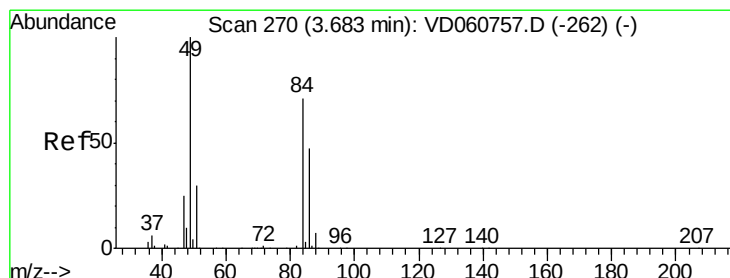
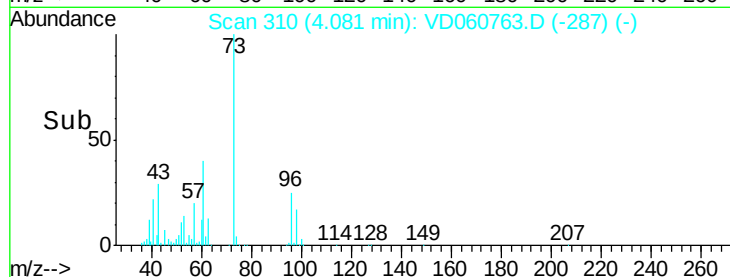
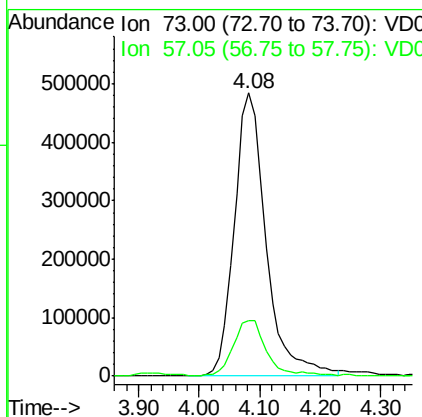
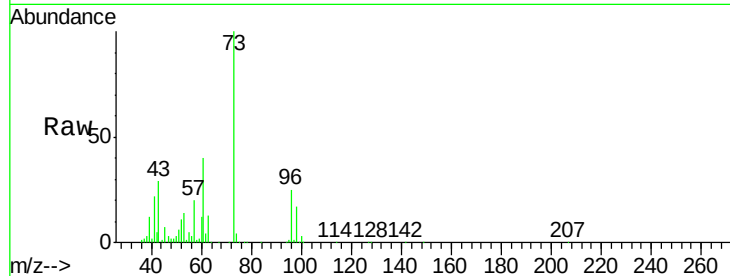


#19

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

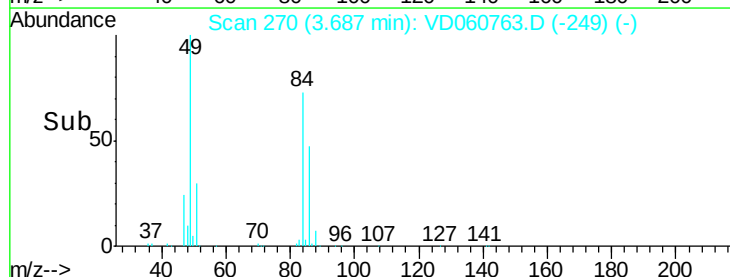
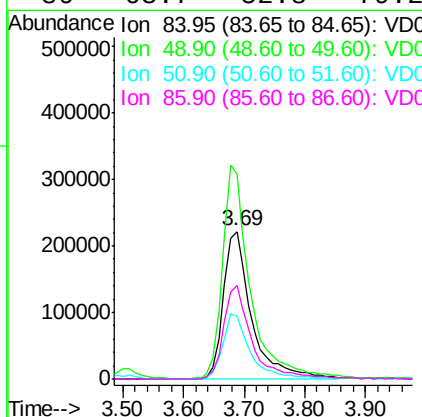
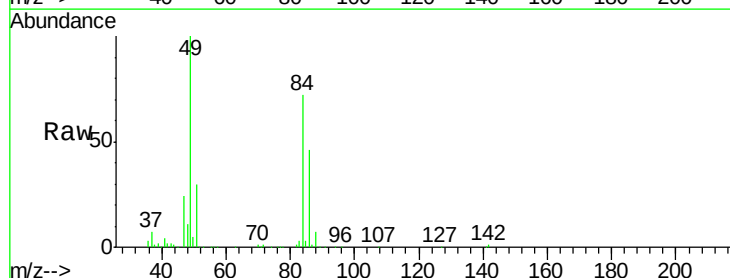
Tot Ion: 73 Resp: 1771860
 Ion Ratio Lower Upper
 73 100
 57 19.7 17.6 26.4

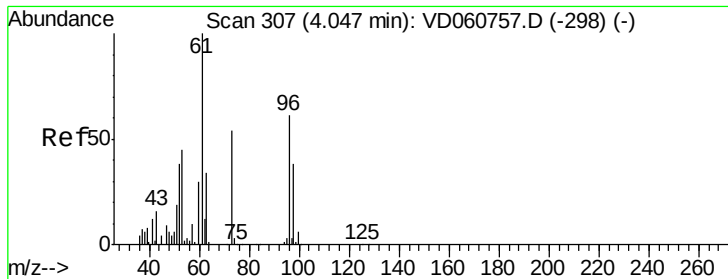


#20

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

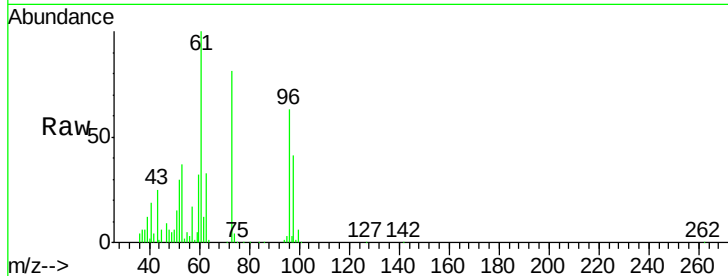
Tot Ion: 96 Resp: 788535

Ion Ratio Lower Upper

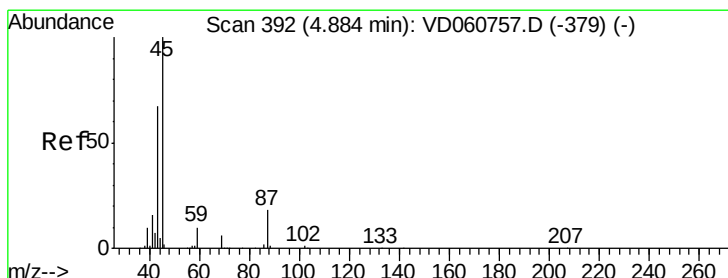
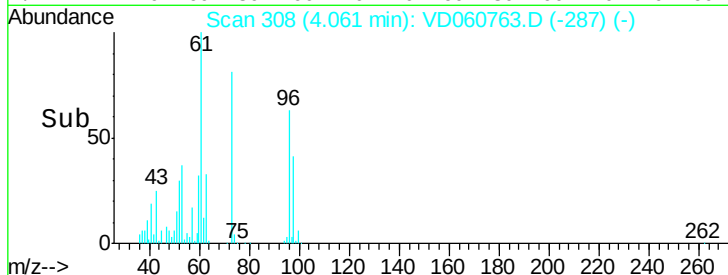
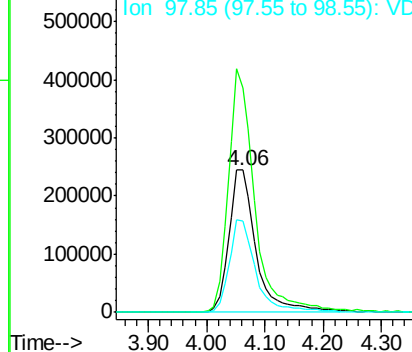
96 100

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

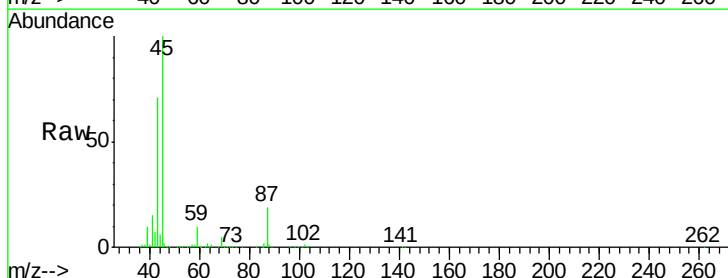
Ion Ratio Lower Upper

45 100

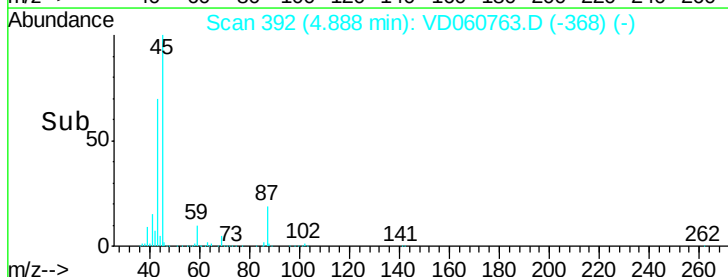
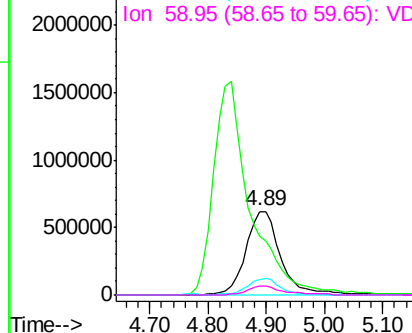
43 70.5 46.1 69.1#

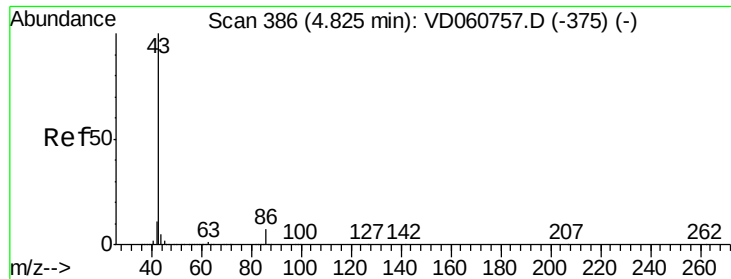
87 19.1 13.7 20.5

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 :

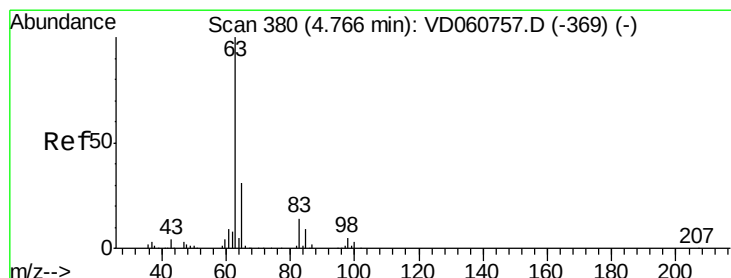
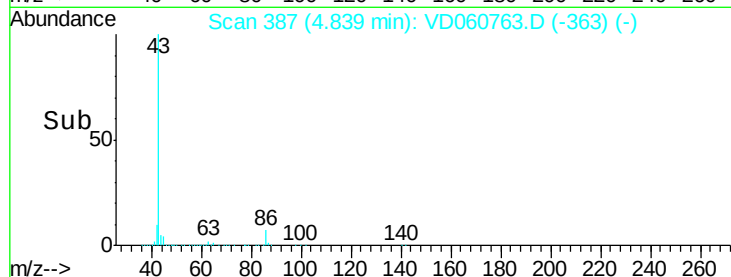
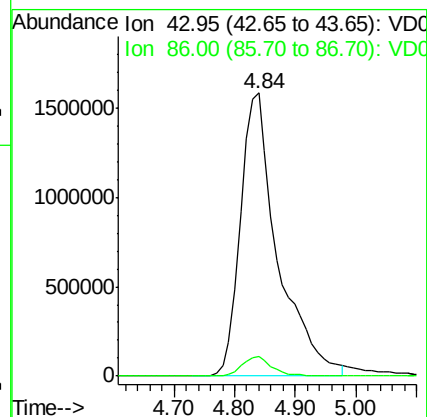
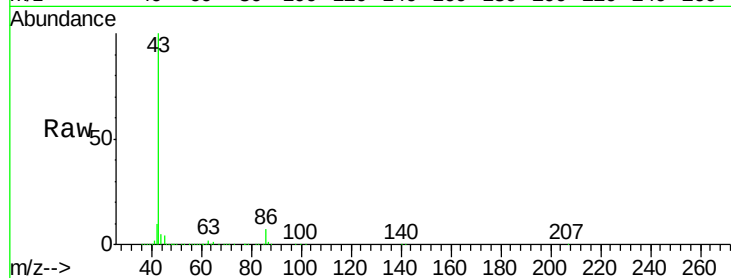
ICVVD011819

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

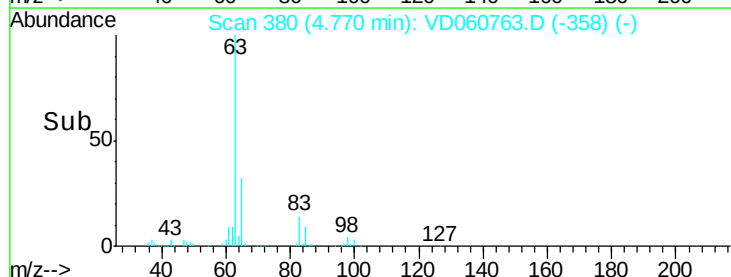
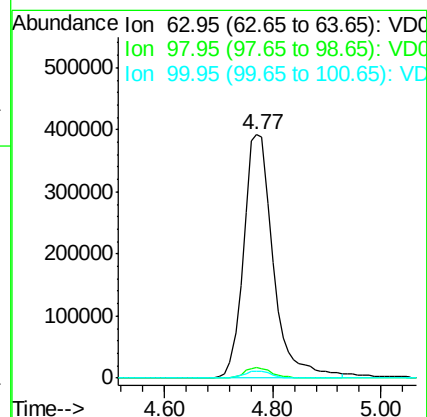
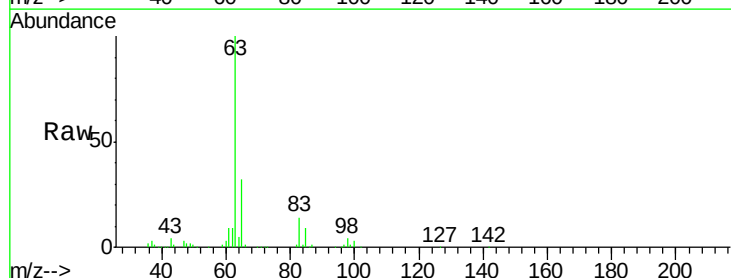
Tgt Ion: 63 Resp: 1491823

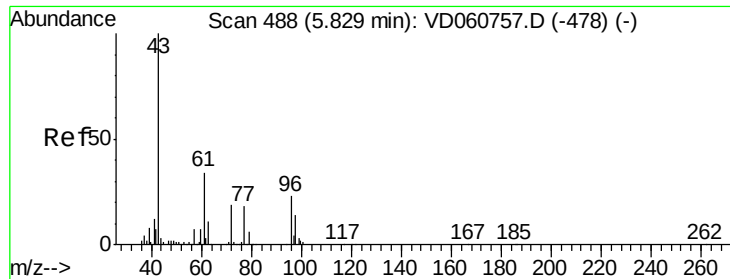
Ion Ratio Lower Upper

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 :

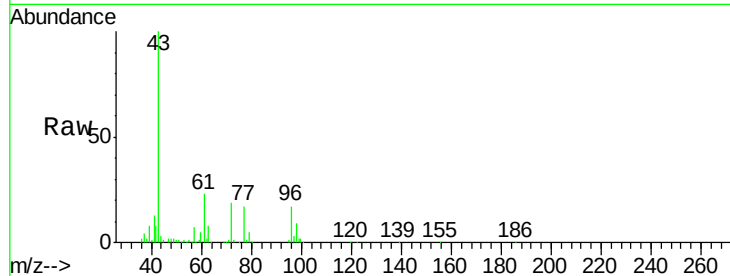
ICVVD011819

Tot Ion: 43 Resp: 1058805

Ion Ratio Lower Upper

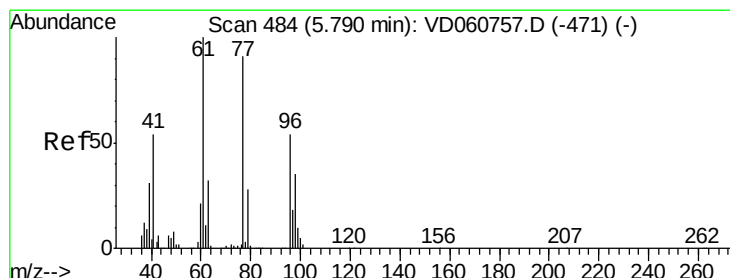
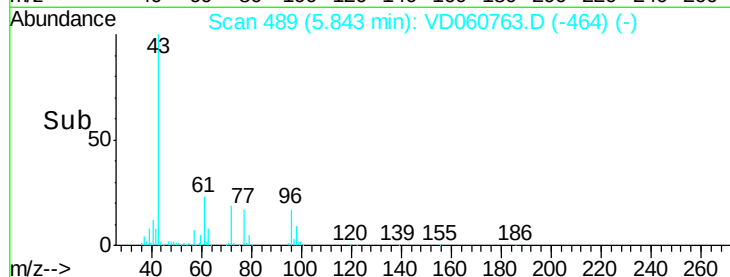
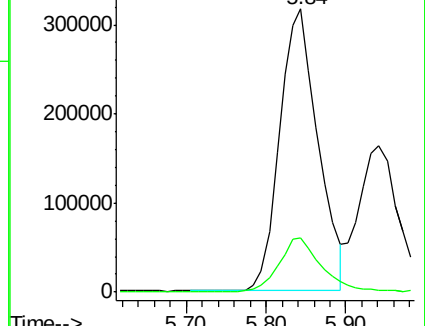
43 100

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

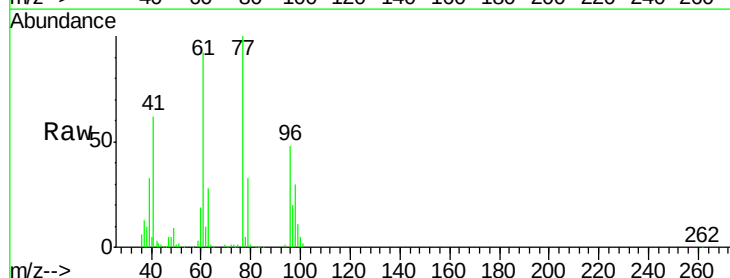
Acq: 18 Jan 2019 16:06

Tgt Ion: 77 Resp: 1431645

Ion Ratio Lower Upper

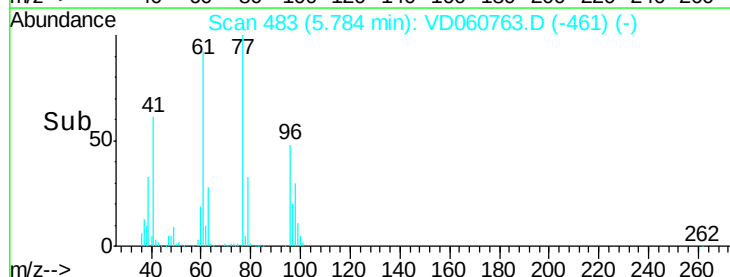
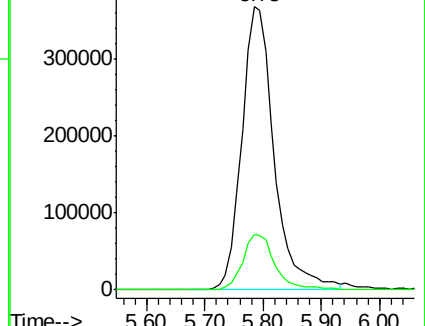
77 100

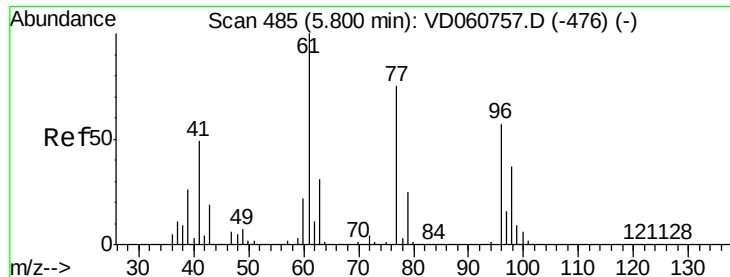
97 19.9 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



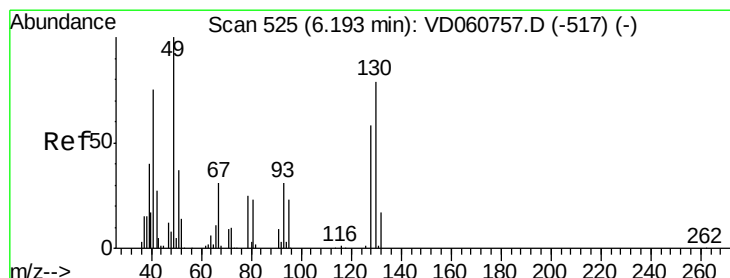
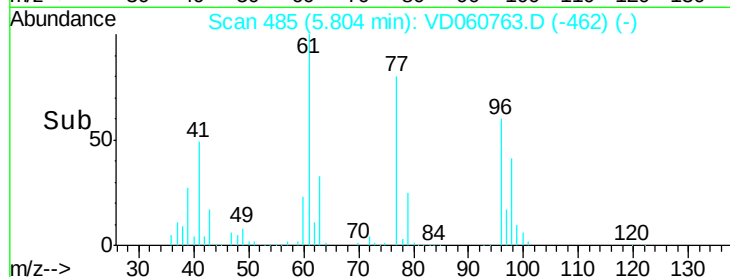
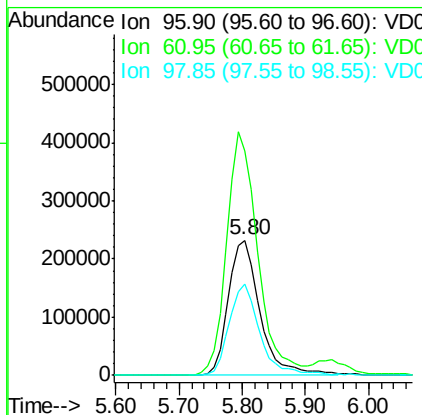
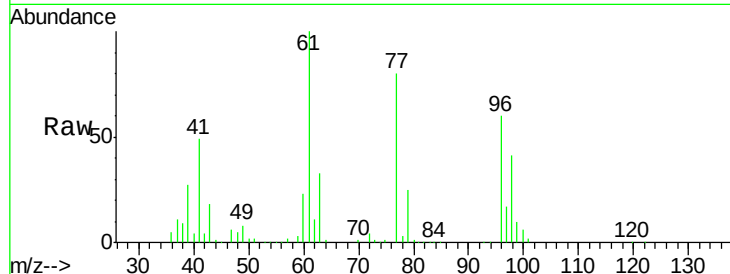


#27

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

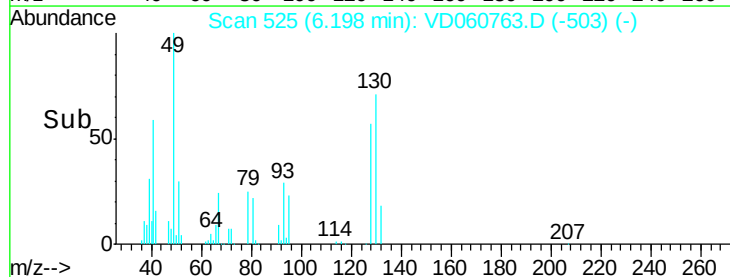
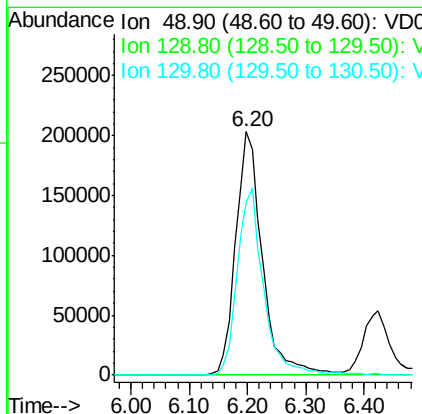
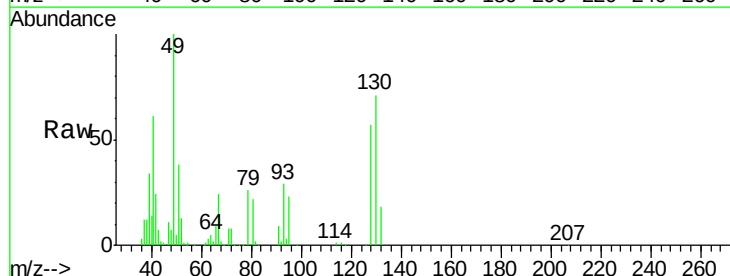
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.9	0.0	259.4
98	67.6	0.0	130.0

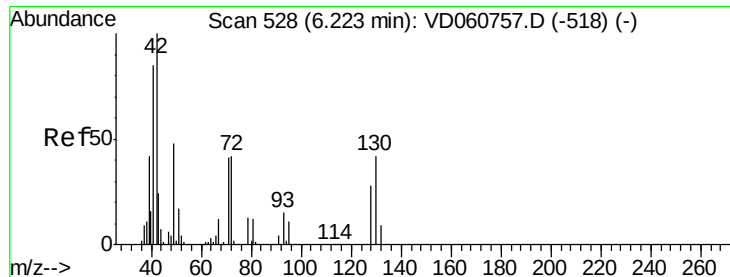


#28

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

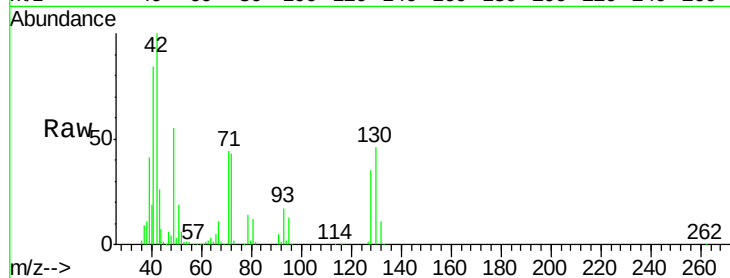
Tot Ion: 42 Resp: 575730

Ion Ratio Lower Upper

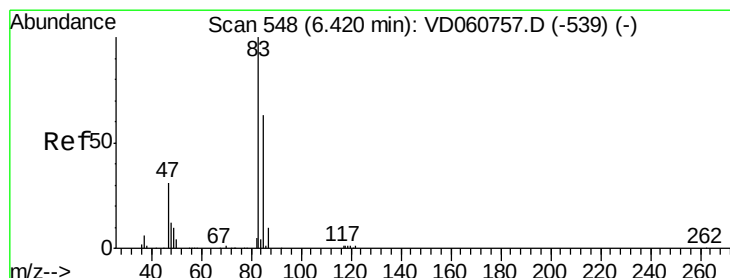
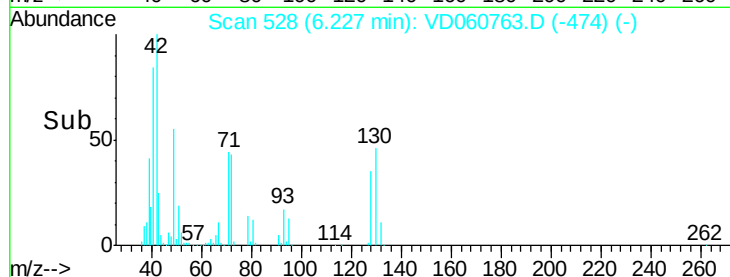
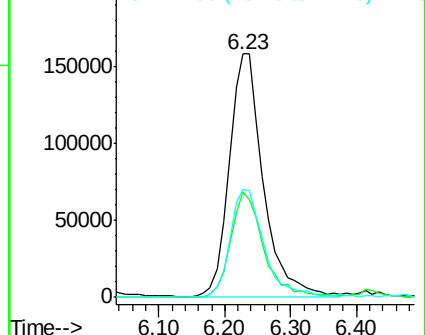
42 100

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

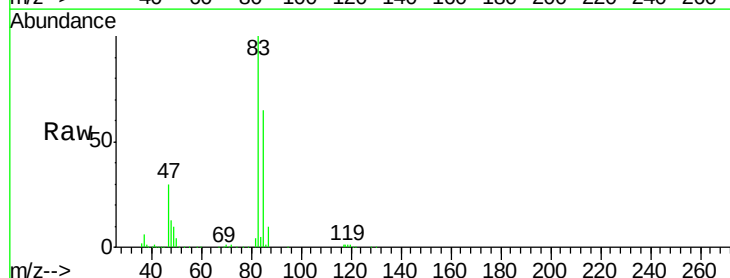
Acq: 18 Jan 2019 16:06

Tgt Ion: 83 Resp: 1667546

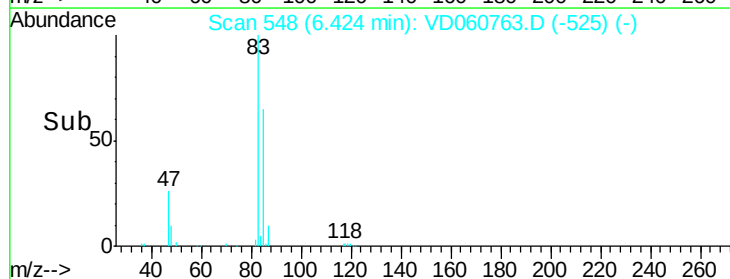
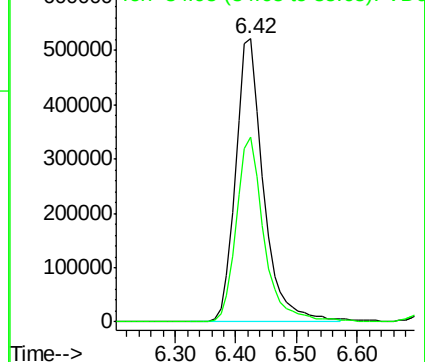
Ion Ratio Lower Upper

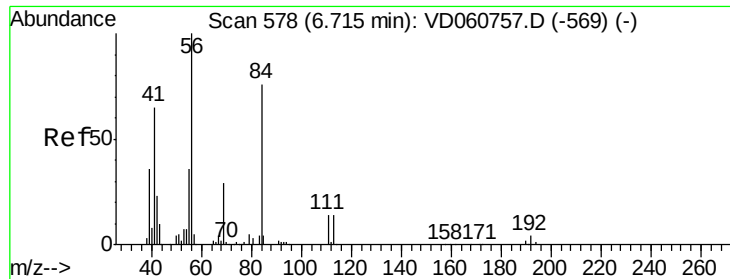
83 100

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

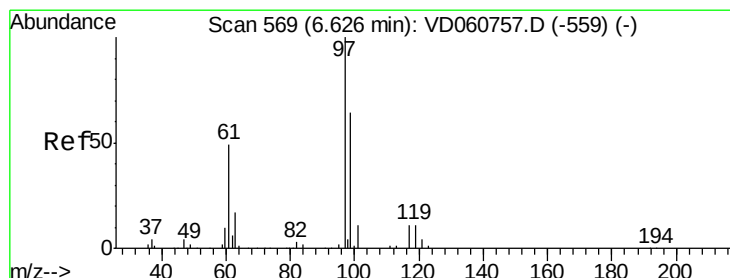
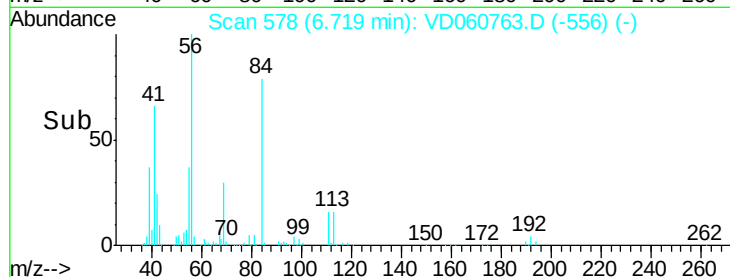
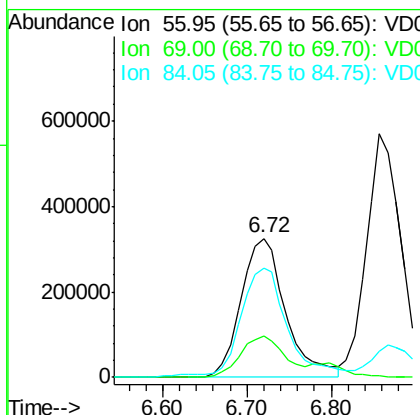
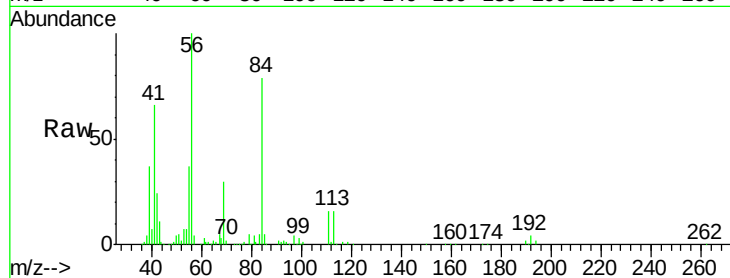




#31
Cyclohexane
Concen: 44.781 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

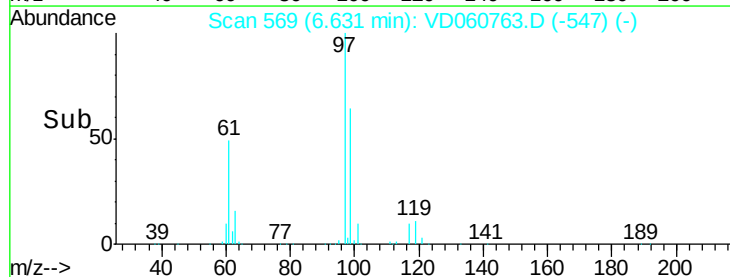
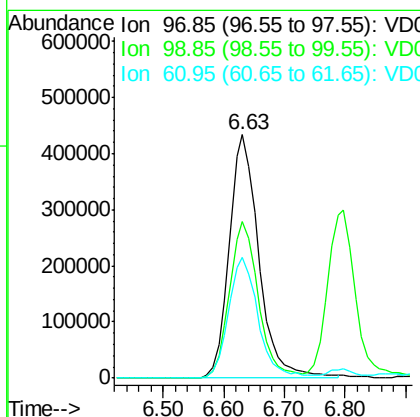
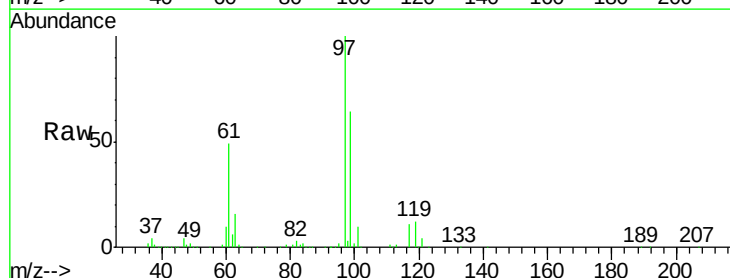
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

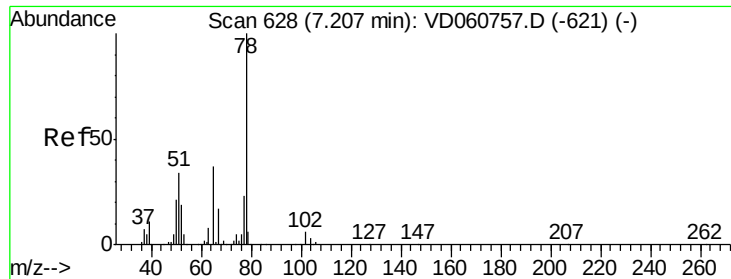
Tot Ion: 56 Resp: 1205472
Ion Ratio Lower Upper
56 100
69 30.2 23.6 35.4
84 79.0 65.8 98.6



#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

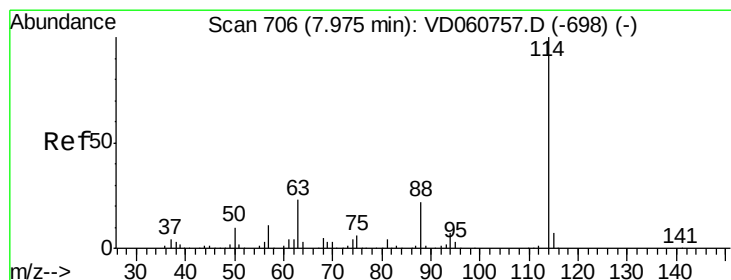
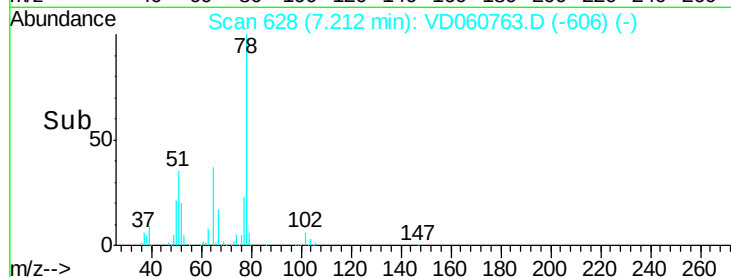
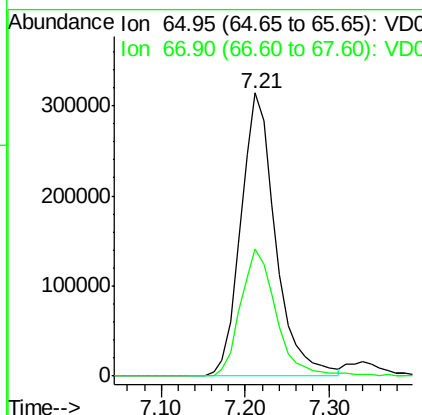
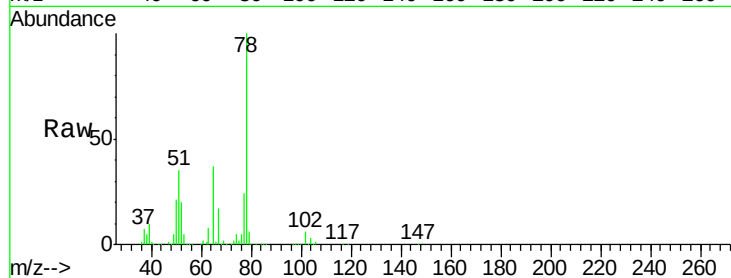




#33
 1,2-Dichloroethane-d4
 Concen: 63.170 ug/l
 RT: 7.21 min Scan# 628
 Delta R.T. 0.02 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

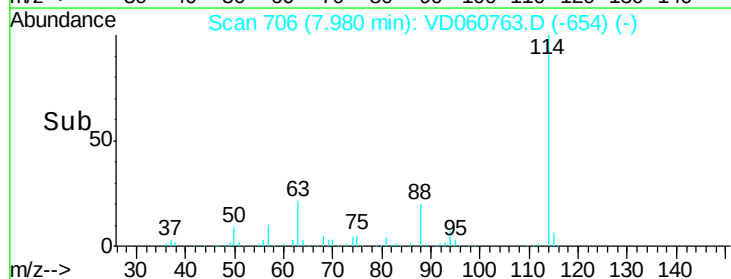
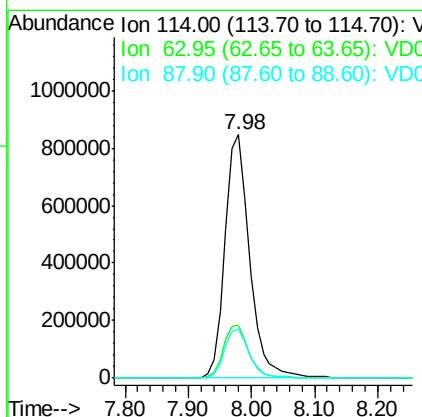
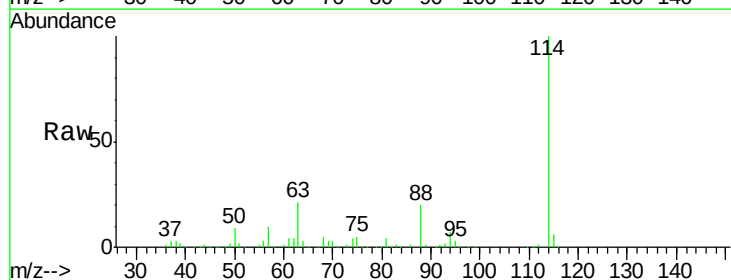
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

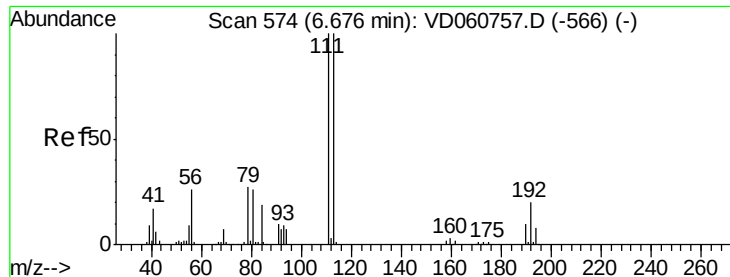
Tot Ion: 65 Resp: 905910
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 105.4



#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





#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

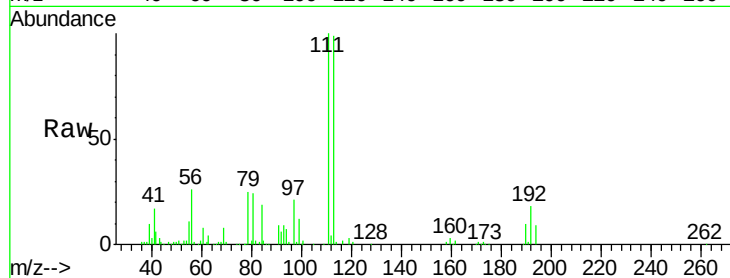
Tot Ion:113 Resp: 897398

Ion Ratio Lower Upper

113 100

111 101.1 80.0 120.0

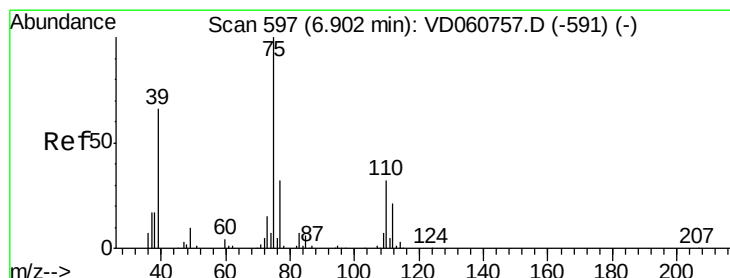
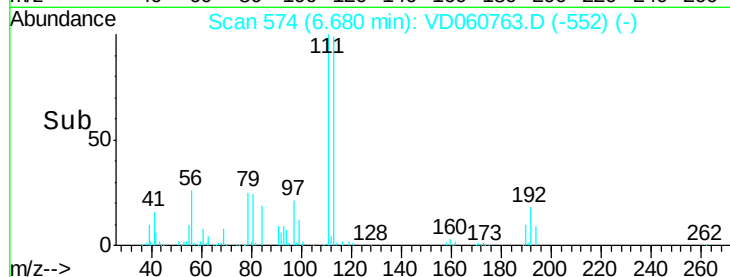
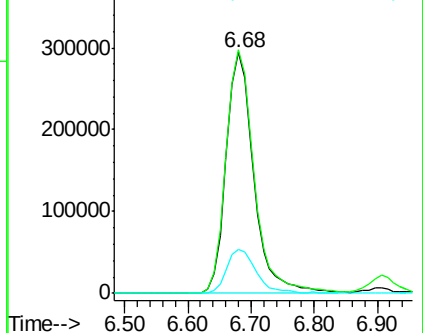
192 18.4 16.6 25.0



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

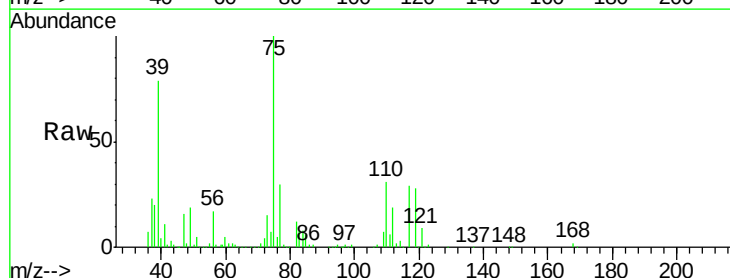
Tgt Ion: 75 Resp: 1139534

Ion Ratio Lower Upper

75 100

110 30.9 18.9 56.7

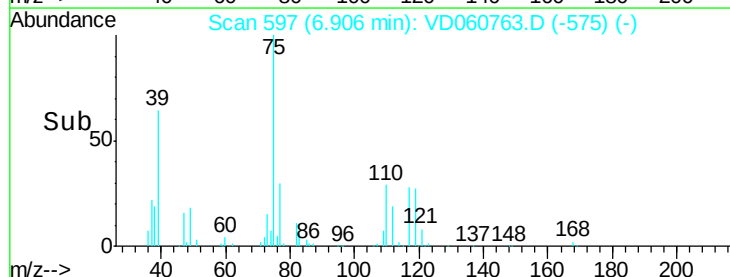
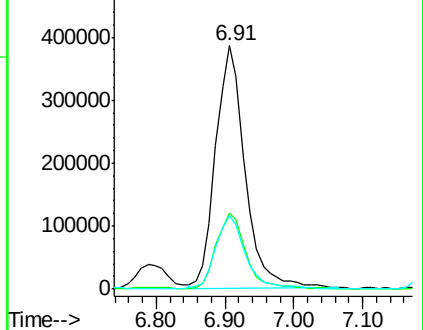
77 30.4 25.4 38.0

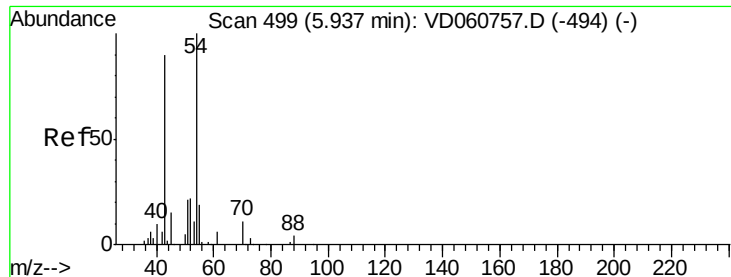


Abundance Ion 75.00 (74.70 to 75.70): VDC

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

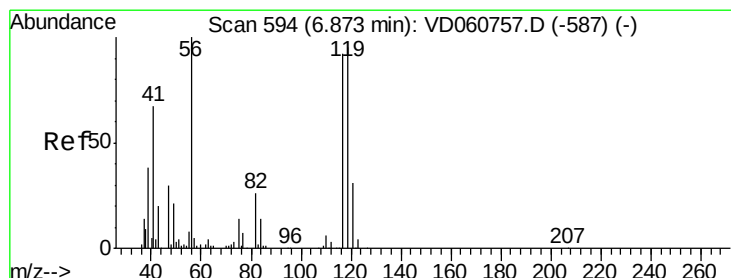
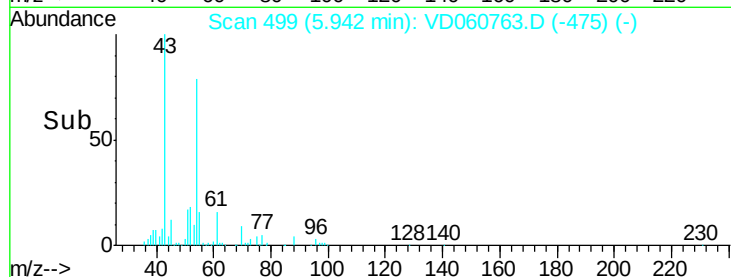
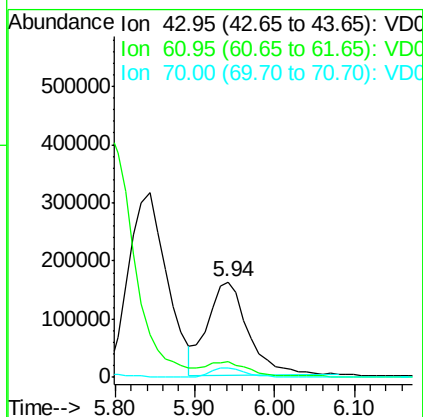
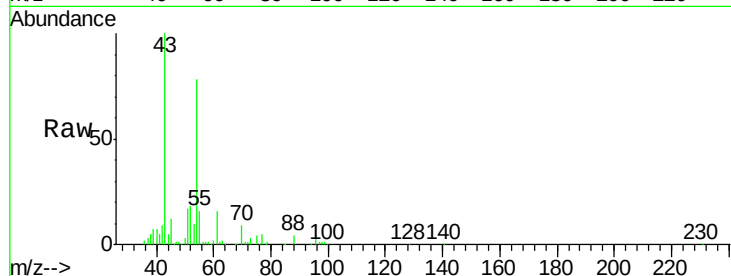
Tot Ion: 43 Resp: 573880

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

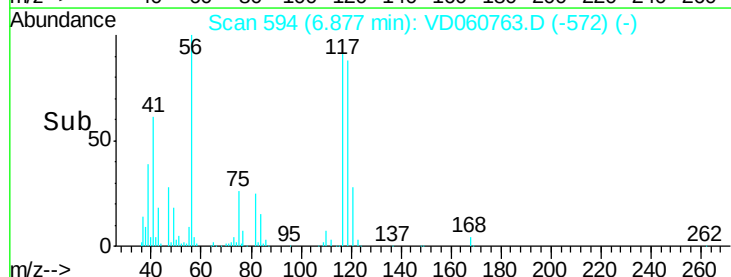
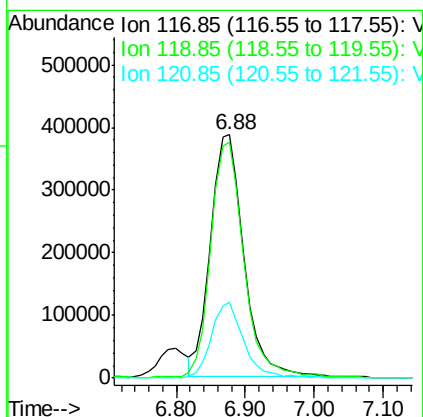
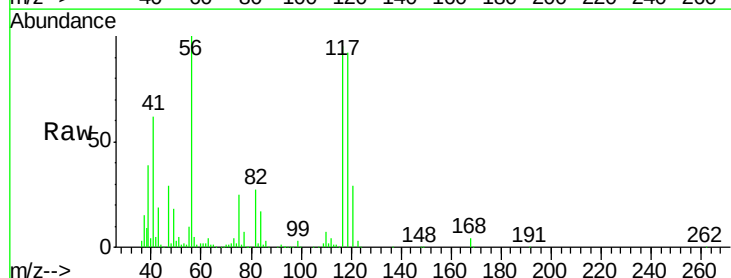
Tgt Ion: 117 Resp: 1296635

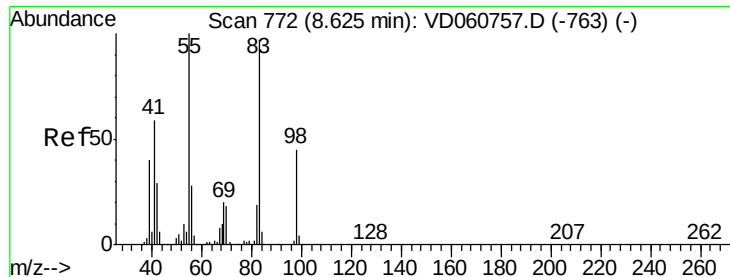
Ion Ratio Lower Upper

117 100

119 96.8 77.0 115.4

121 31.0 24.7 37.1

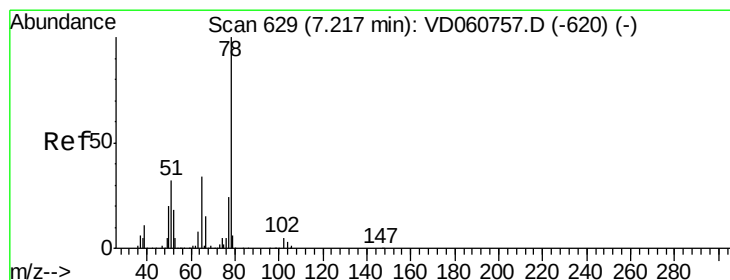
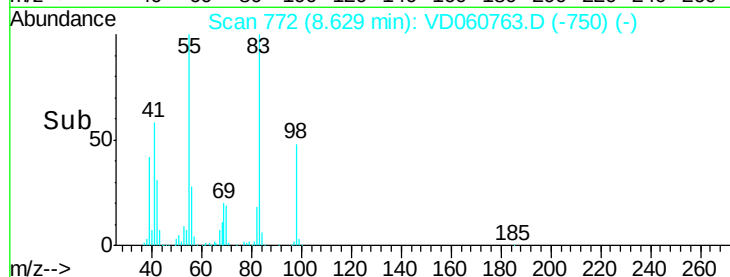
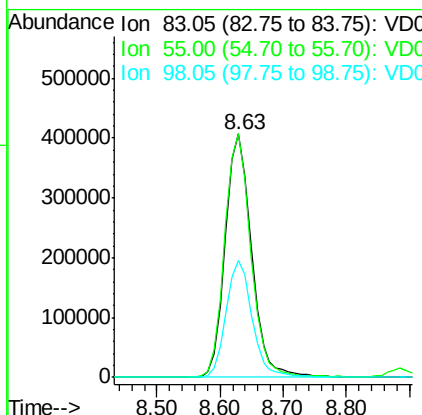
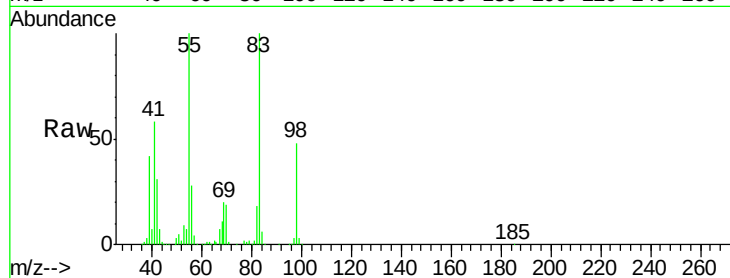




#39
Methylvlcyclohexane
Concen: 43.656 ug/l
RT: 8.63 min Scan# 772
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

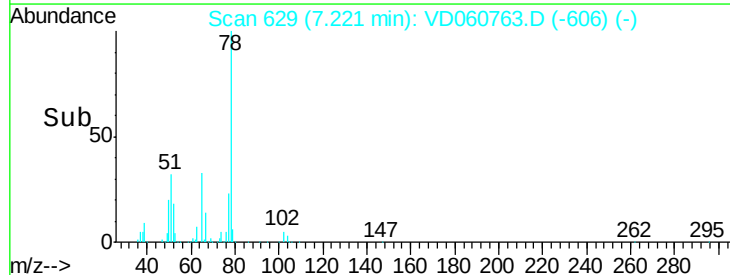
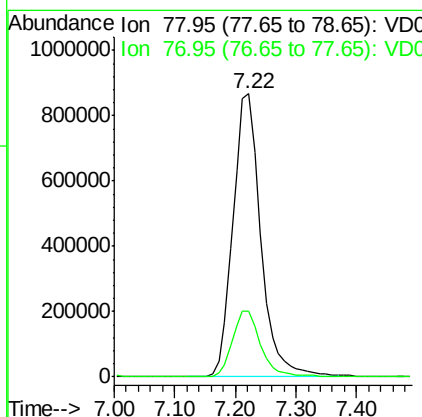
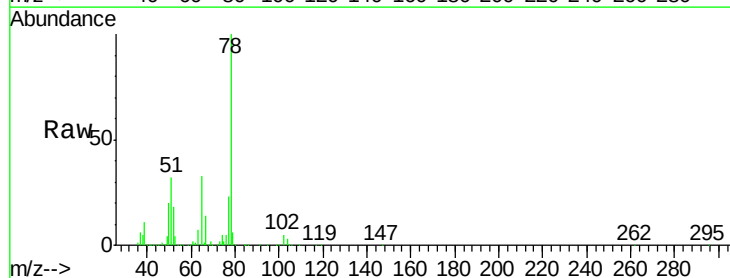
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

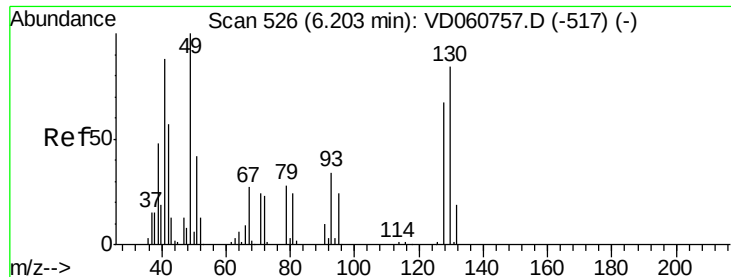
Tot Ion: 83 Resp: 1177866
Ion Ratio Lower Upper
83 100
55 100.1 68.6 102.8
98 48.2 38.1 57.1



#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: 68.468 ug/l m

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: 374697

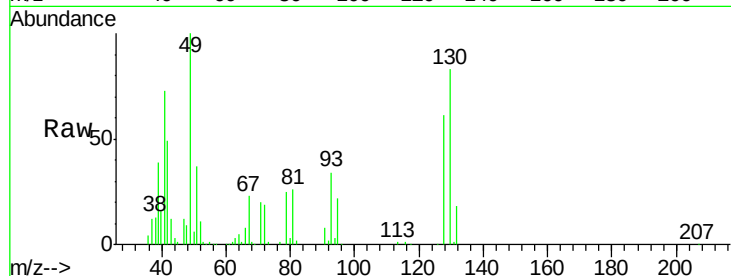
Ion Ratio Lower Upper

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

200000

150000

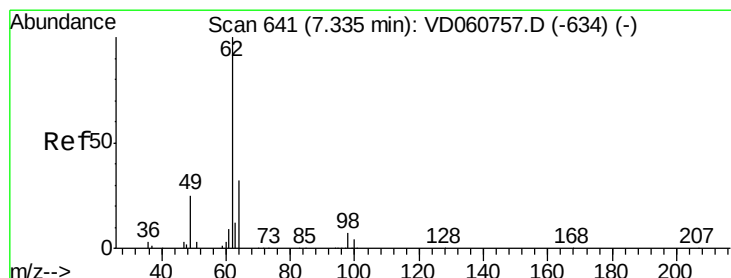
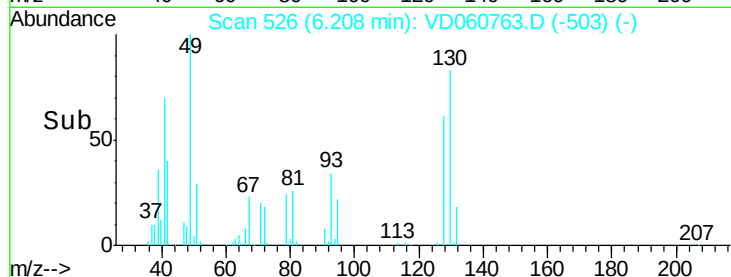
100000

50000

0

6.10 6.15 6.20 6.25

Time-->



#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

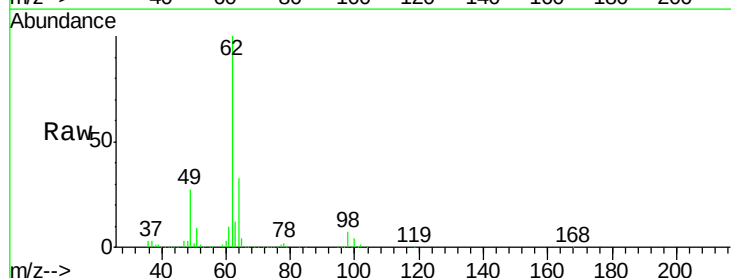
Acq: 18 Jan 2019 16:06

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

500000

400000

300000

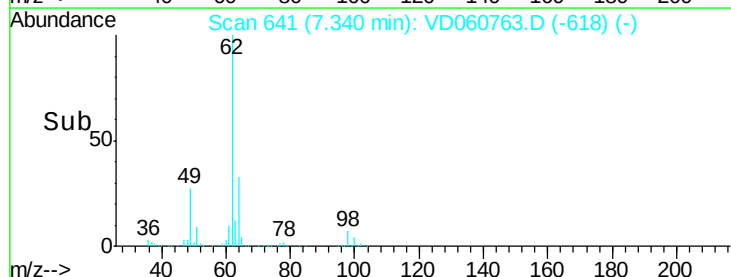
200000

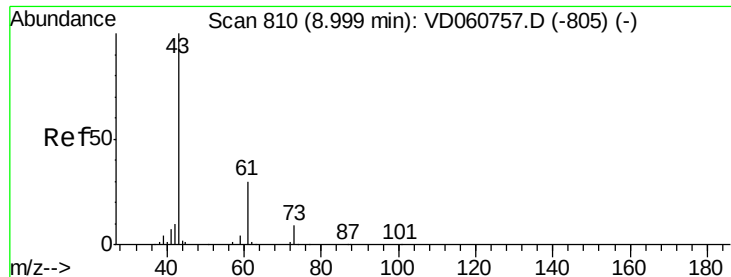
100000

0

7.20 7.30 7.40 7.50

Time-->





#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

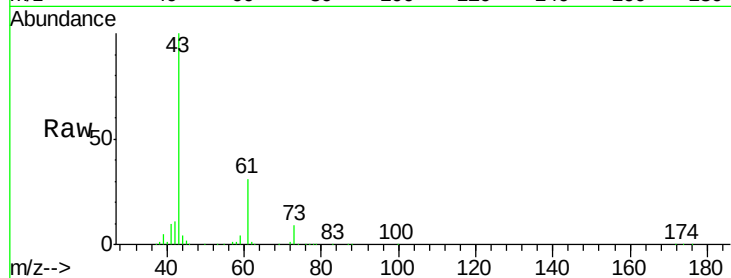
Tot Ion: 43 Resp: 733368

Ion Ratio Lower Upper

43 100

61 31.1 21.8 32.8

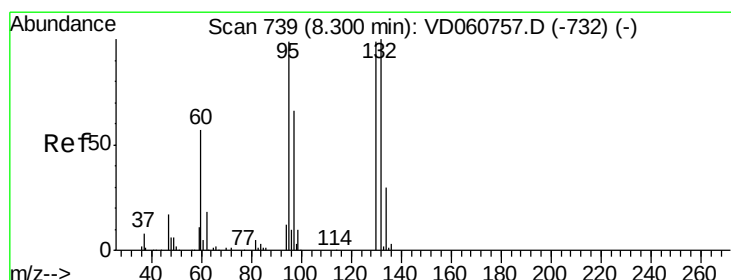
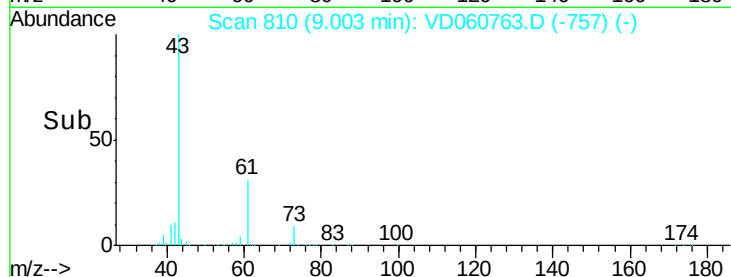
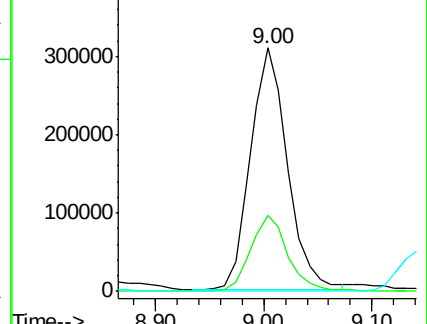
87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.630 ug/l

RT: 8.30 min Scan# 739

Delta R.T. 0.02 min

Lab File: VD060763.D

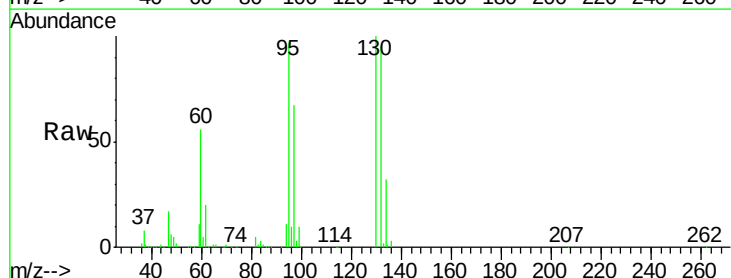
Acq: 18 Jan 2019 16:06

Tgt Ion:130 Resp: 897614

Ion Ratio Lower Upper

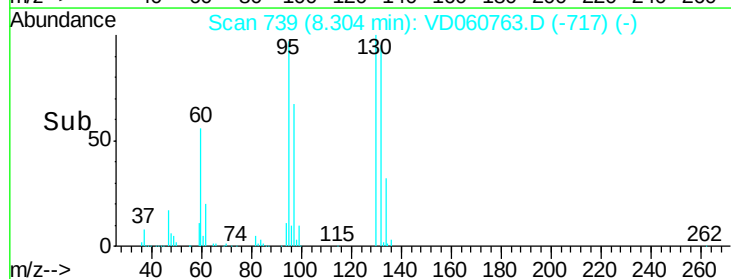
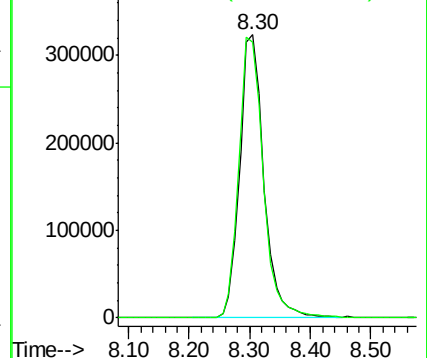
130 100

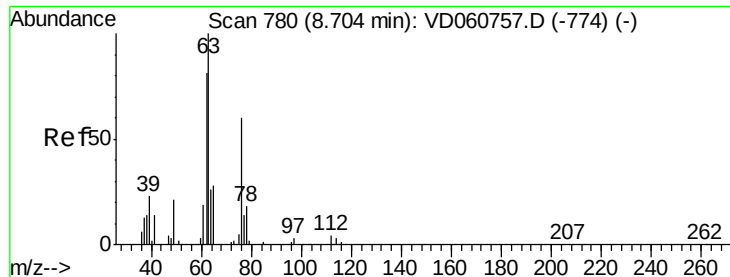
95 97.5 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#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 :

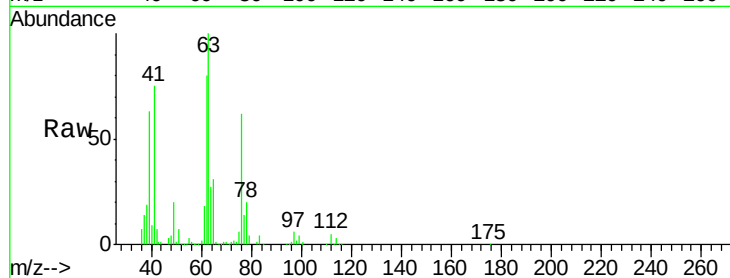
ICVVD011819

Tot Ion: 63 Resp: 668444

Ion Ratio Lower Upper

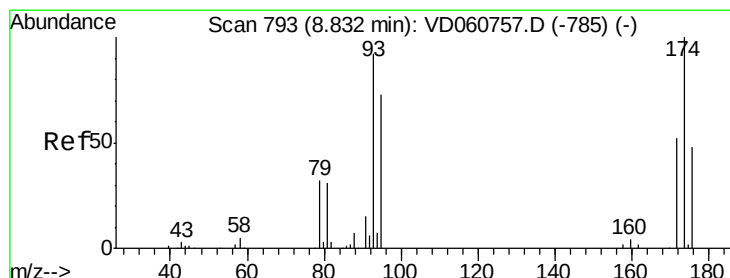
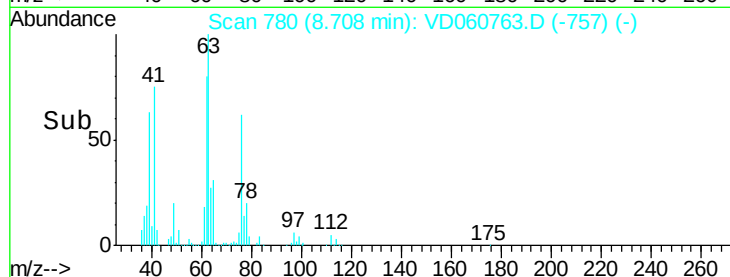
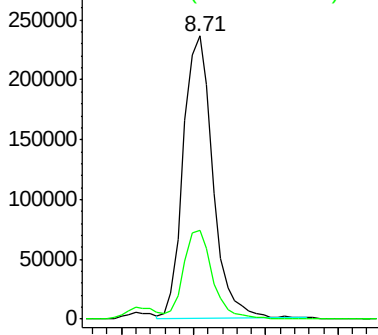
63 100

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

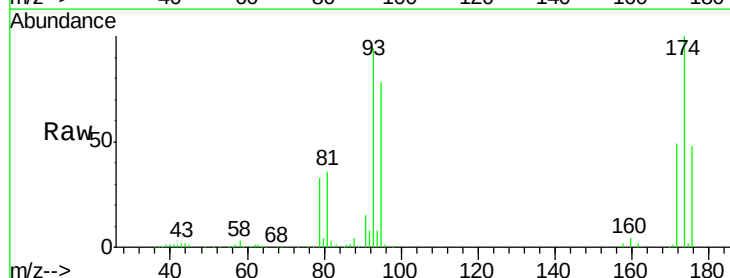
Tgt Ion: 93 Resp: 484282

Ion Ratio Lower Upper

93 100

95 83.1 68.8 103.2

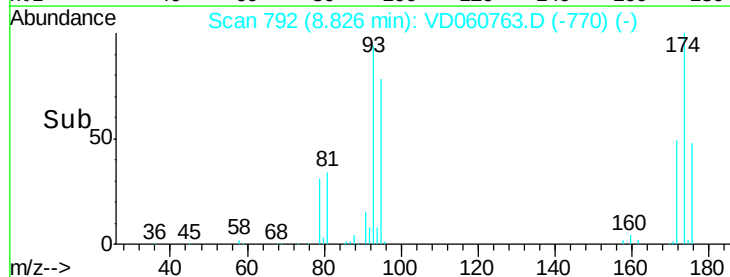
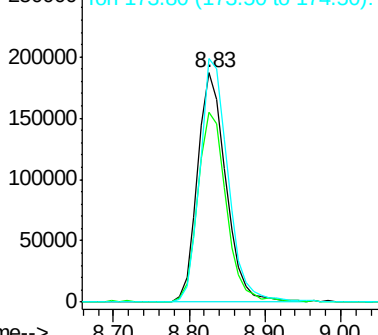
174 106.3 93.0 139.4

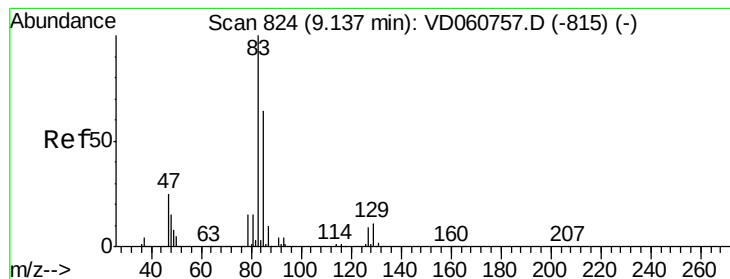


Abundance Ion 92.90 (92.60 to 93.60): VDC

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

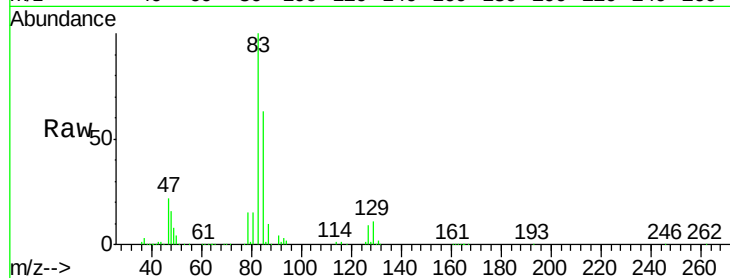
Tot Ion: 83 Resp: 1299857

Ion Ratio Lower Upper

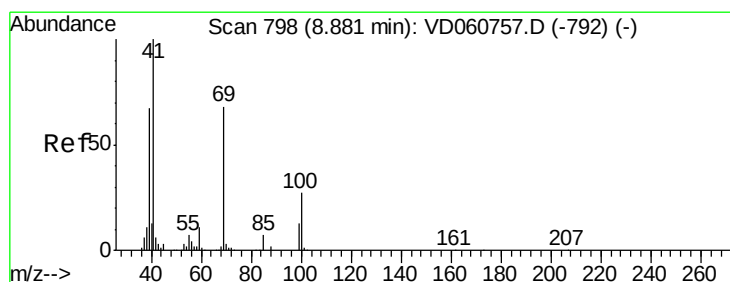
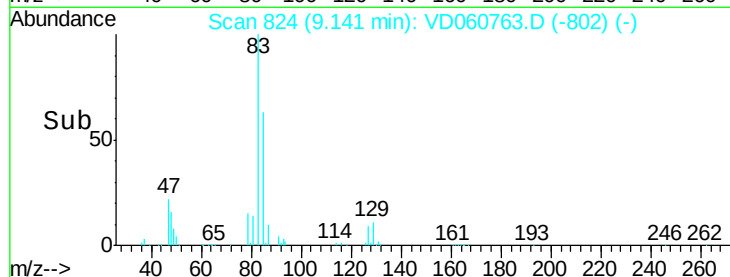
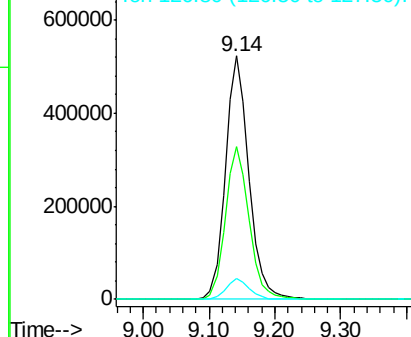
83 100

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

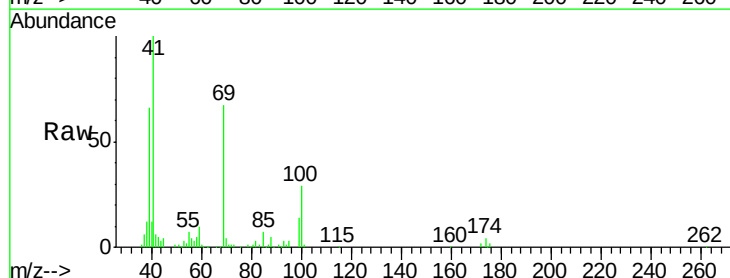
Tgt Ion: 41 Resp: 503415

Ion Ratio Lower Upper

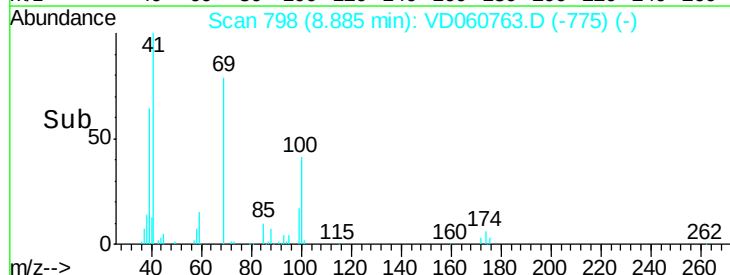
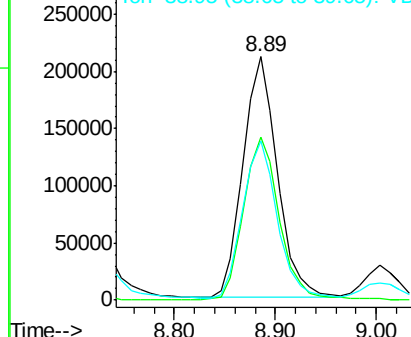
41 100

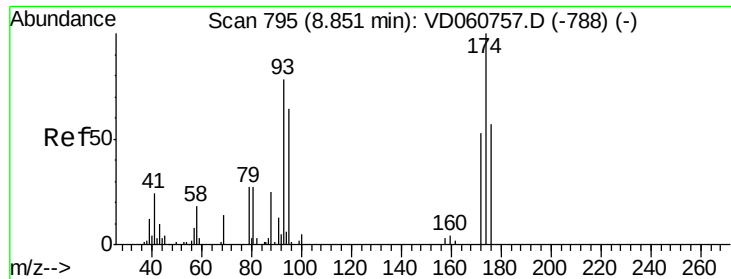
69 67.0 51.2 76.8

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

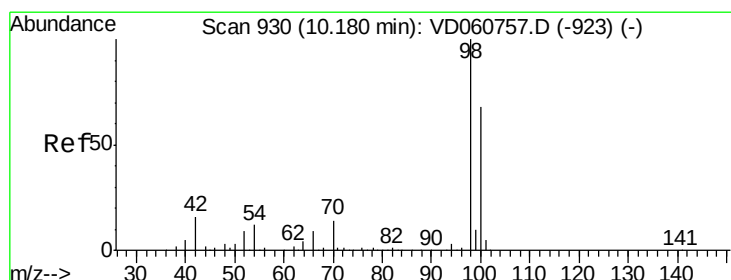
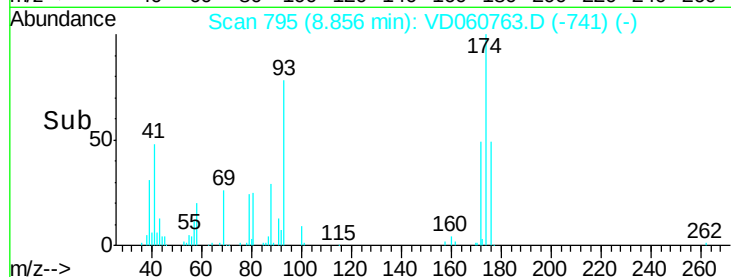
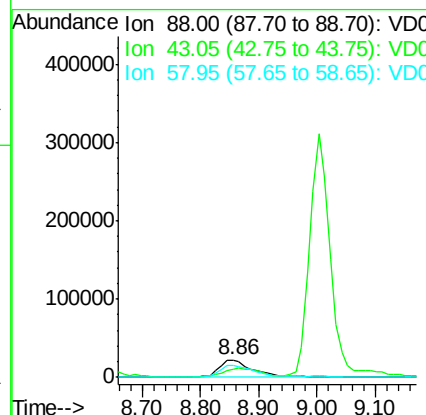
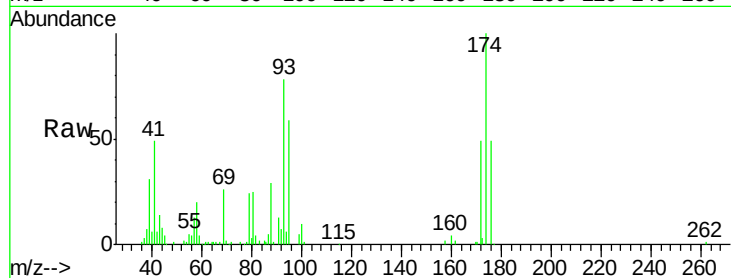




#49
1,4-Dioxane
Concen: 1293.723 ug/l
RT: 8.86 min Scan# 795
Delta R.T. 0.04 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

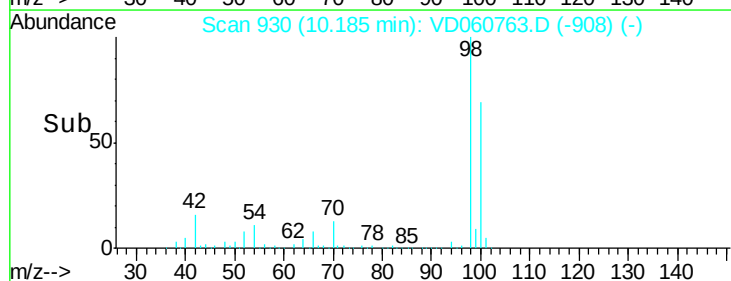
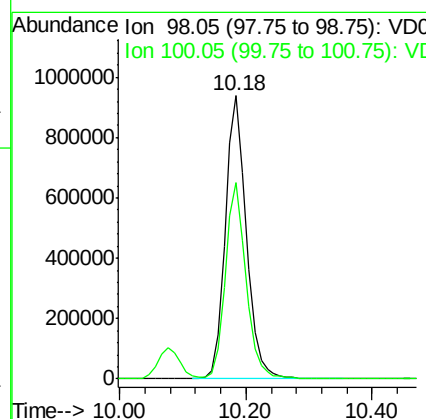
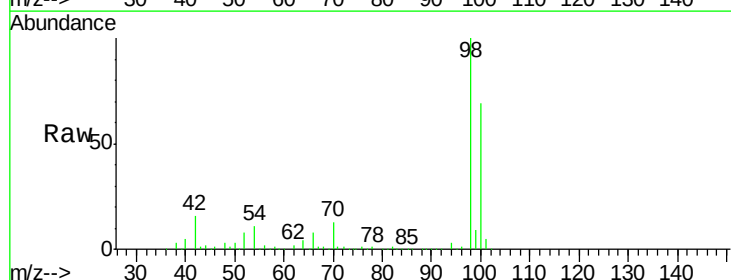
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

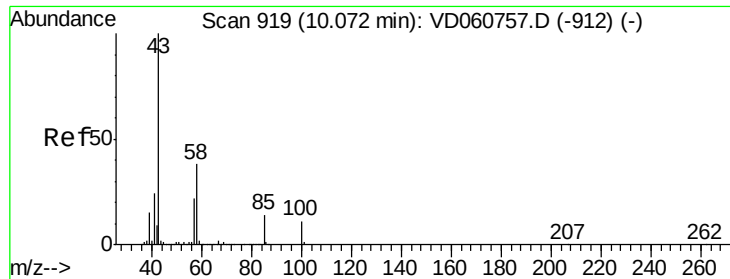
Tot Ion: 88 Resp: 92760
Ion Ratio Lower Upper
88 100
43 46.6 31.5 47.3
58 68.6 50.6 76.0



#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 :

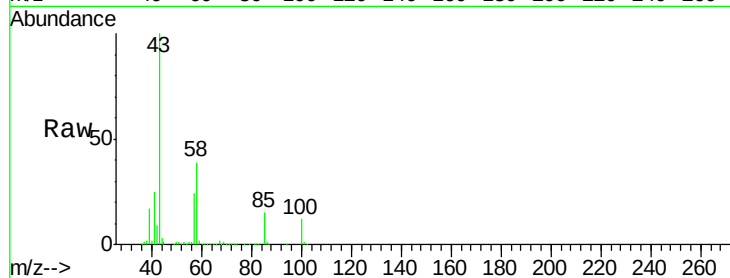
ICVVD011819

Tot Ion: 43 Resp: 2196897

Ion Ratio Lower Upper

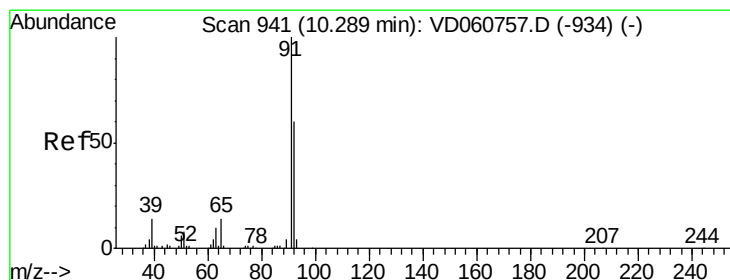
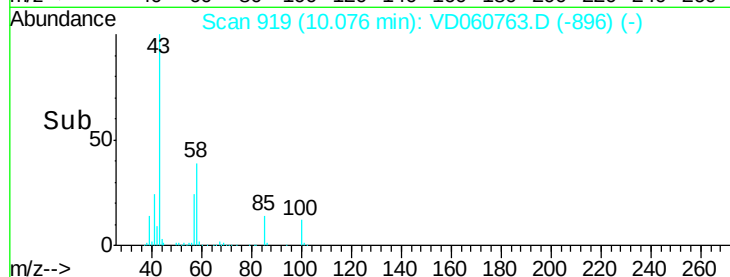
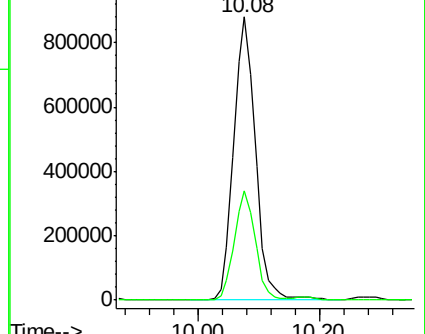
43 100

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



#52

Toluene

Concen: 43.263 ug/l

RT: 10.28 min Scan# 940

Delta R.T. 0.02 min

Lab File: VD060763.D

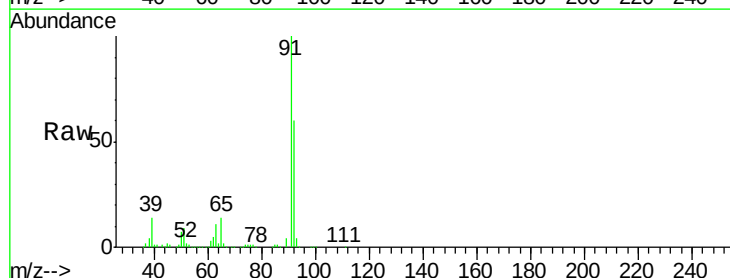
Acq: 18 Jan 2019 16:06

Tgt Ion: 92 Resp: 1657294

Ion Ratio Lower Upper

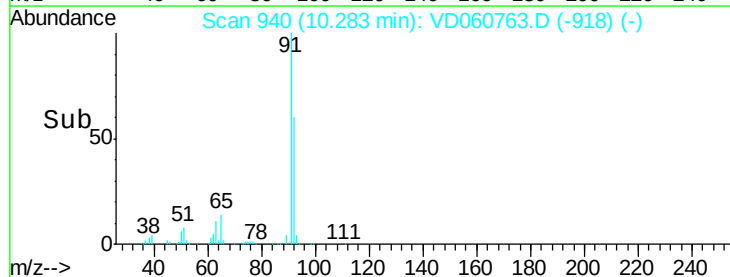
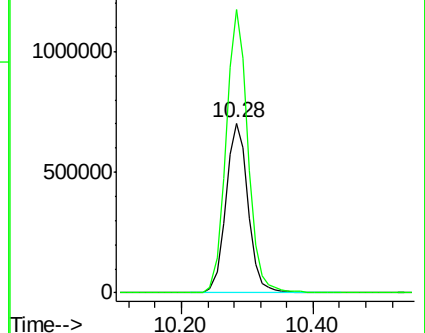
92 100

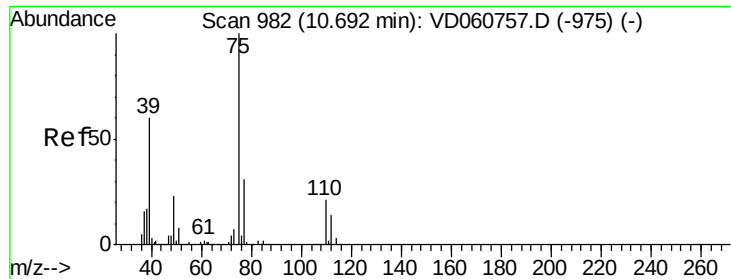
91 167.0 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#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 :

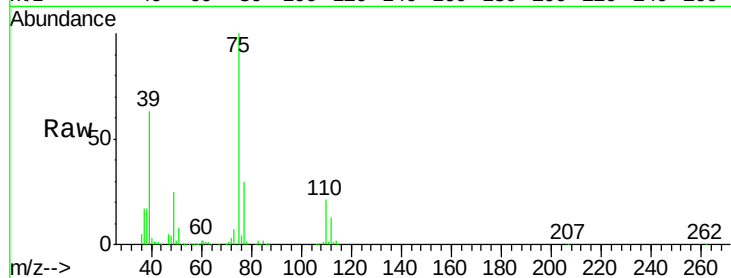
ICVVD011819

Tot Ion: 75 Resp: 1095823

Ion Ratio Lower Upper

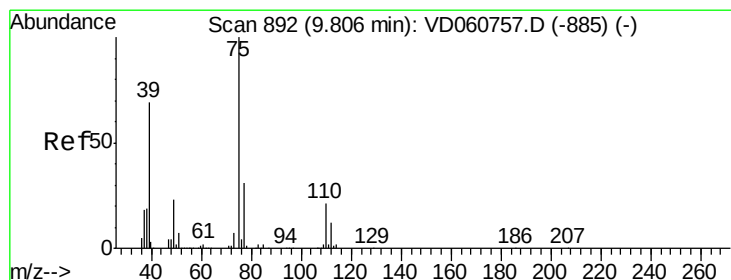
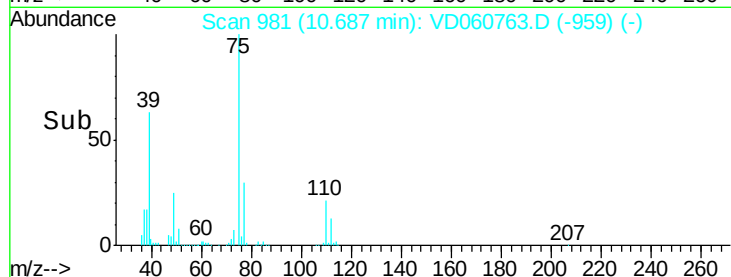
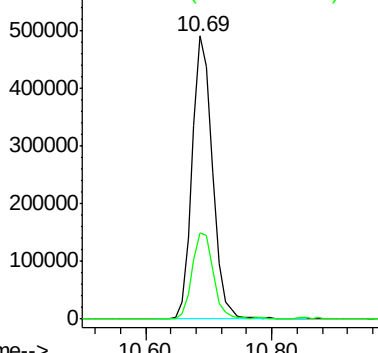
75 100

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

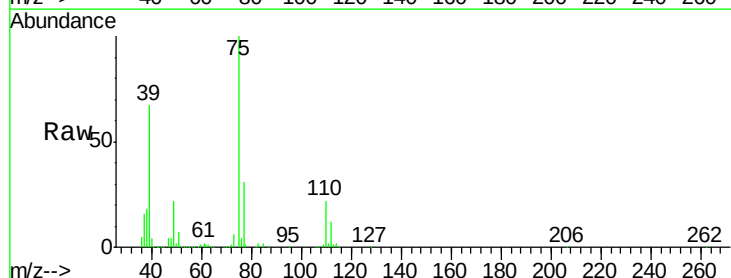
Tgt Ion: 75 Resp: 1332586

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

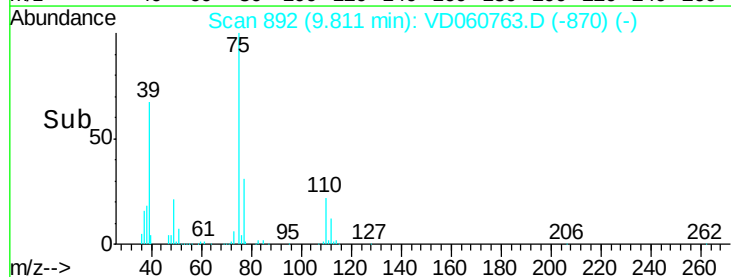
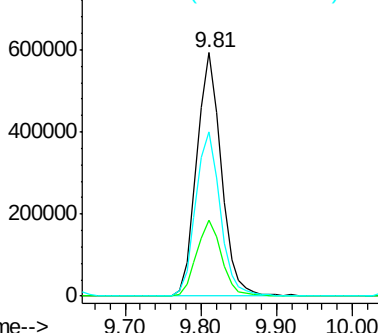
39 67.4 47.0 70.4

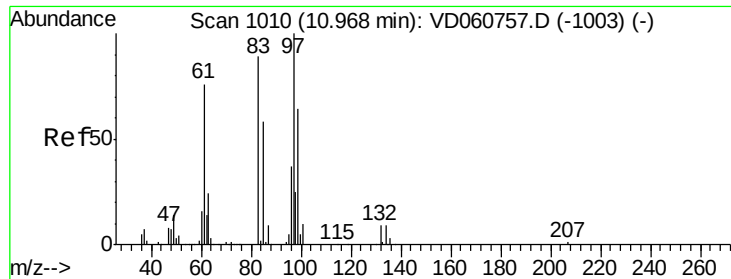


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



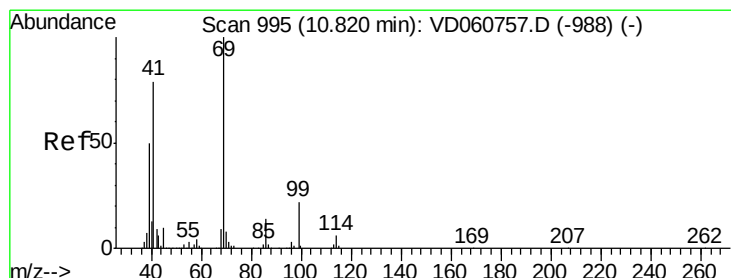
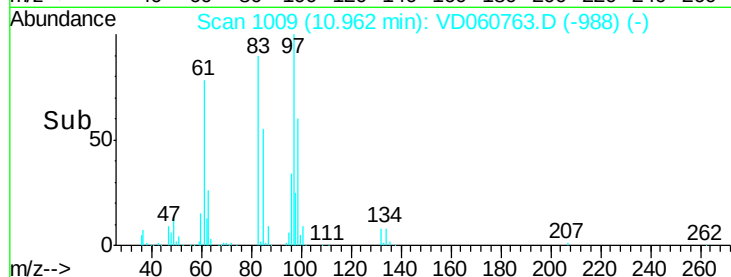
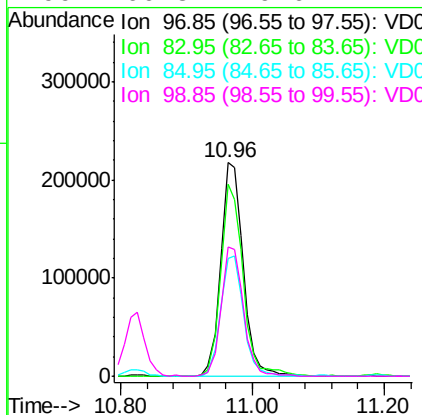
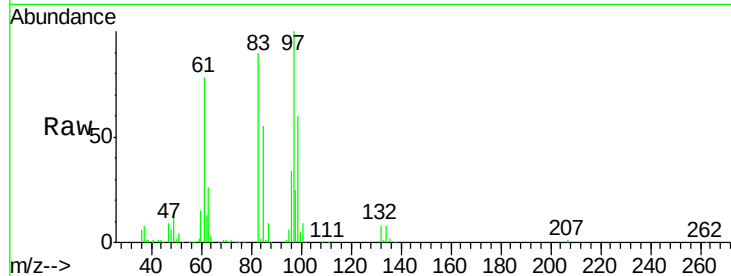


#55
 1,1,2-Trichloroethane
 Concen: 50.275 ug/l
 RT: 10.96 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

Tot Ion: 97 Resp: 518180

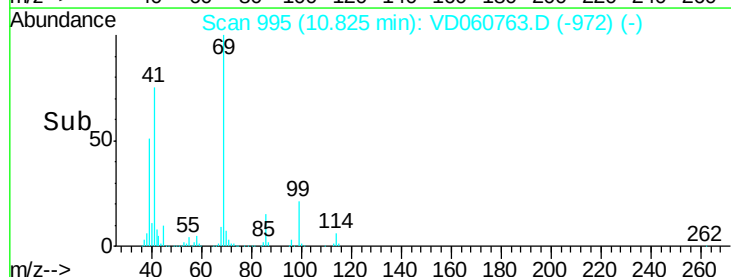
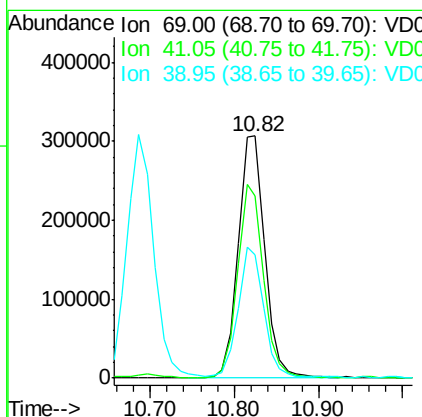
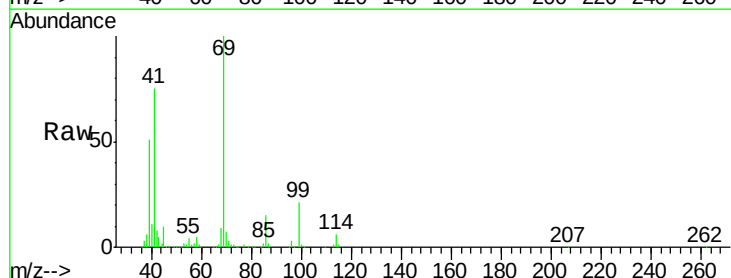
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.0	105.0
85	55.2	46.6	70.0
99	60.3	49.6	74.4

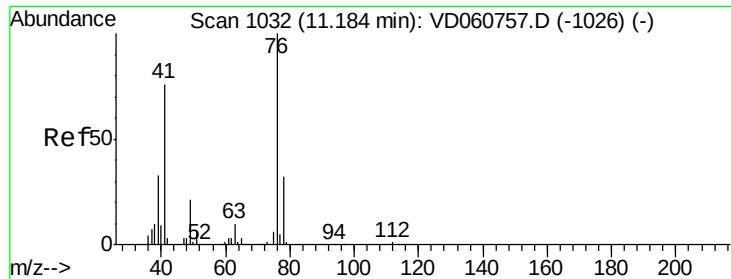


#56
 Ethyl methacrylate
 Concen: 70.503 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

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

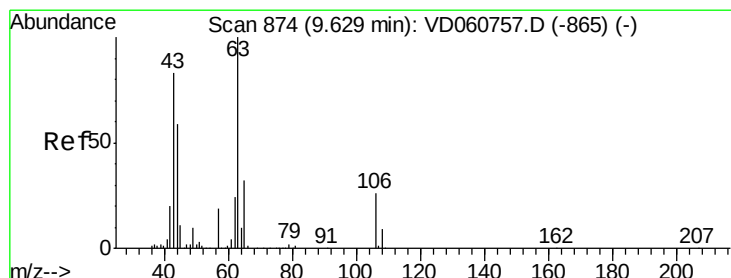
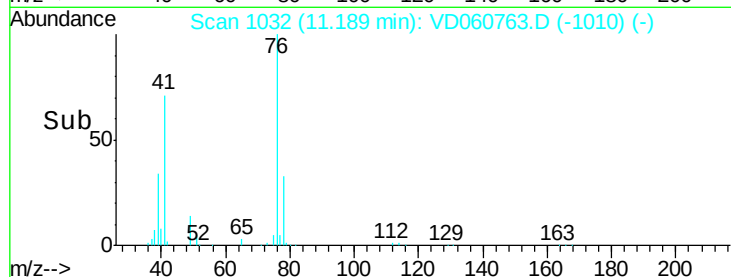
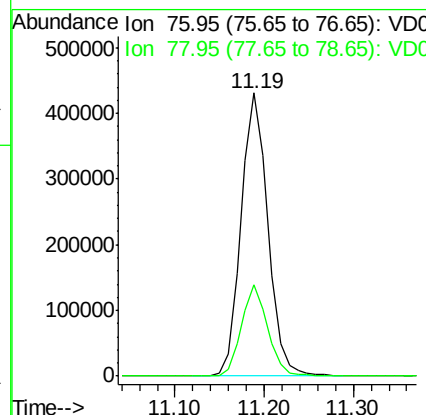
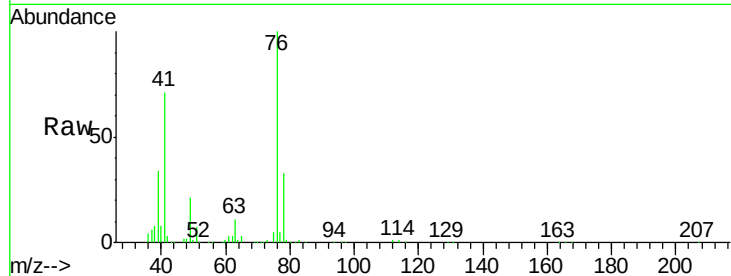




#57
 1,3-Dichloropropane
 Concen: 55.258 ug/l
 RT: 11.19 min Scan# 1032
 Delta R.T. 0.02 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

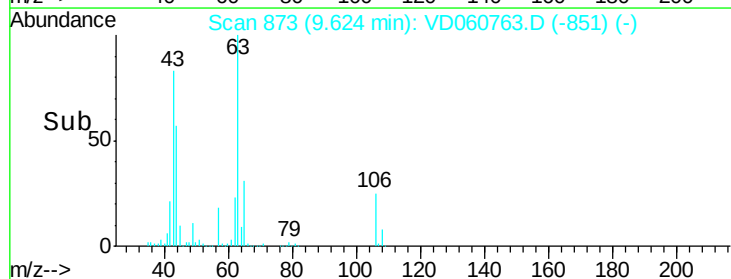
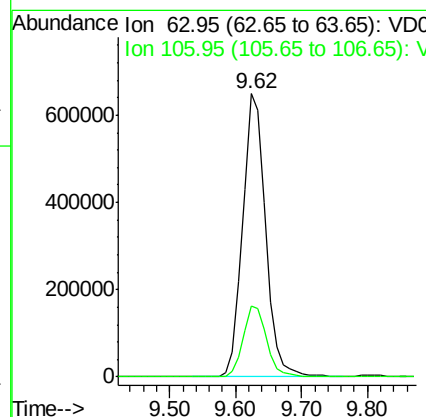
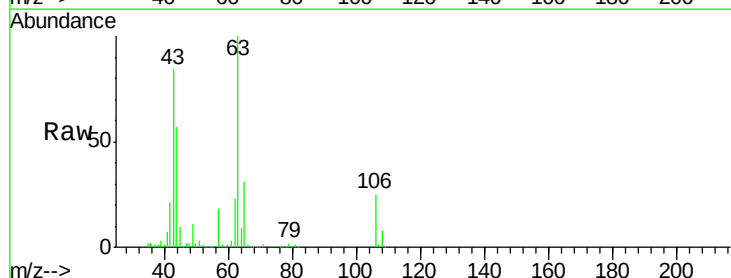
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

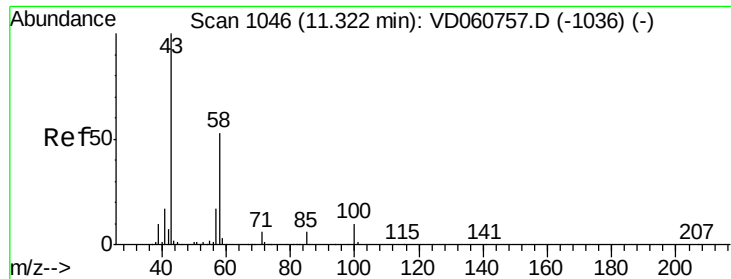
Tot Ion: 76 Resp: 902749
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1



#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

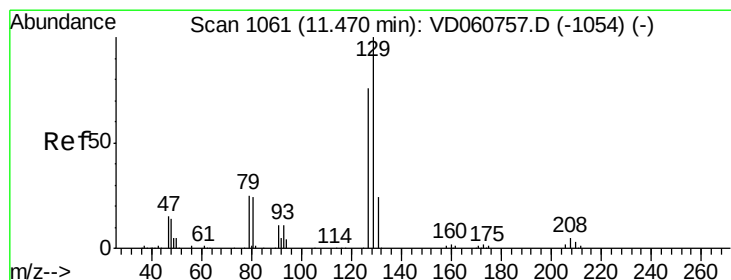
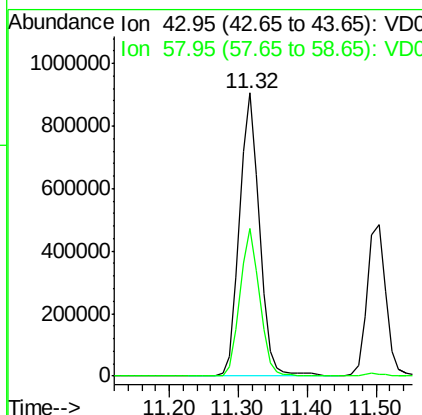
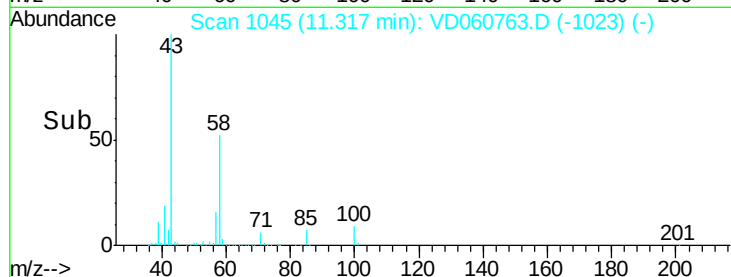
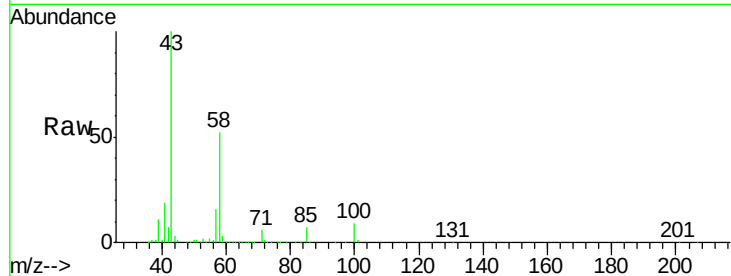




#59
2-Hexanone
Concen: 334.305 ug/l
RT: 11.32 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

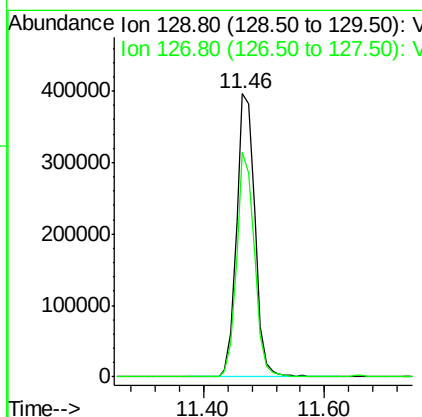
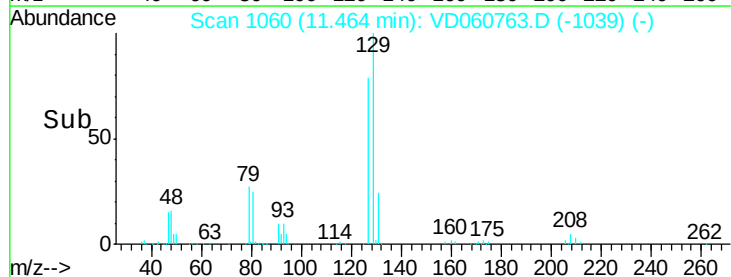
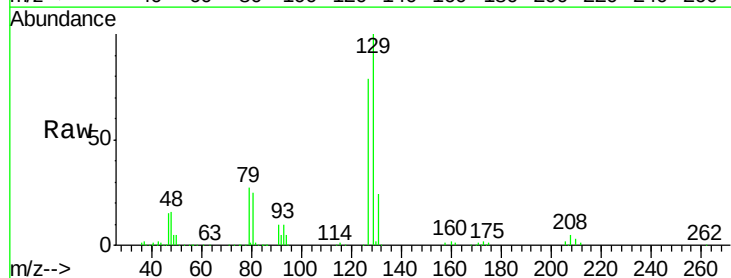
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

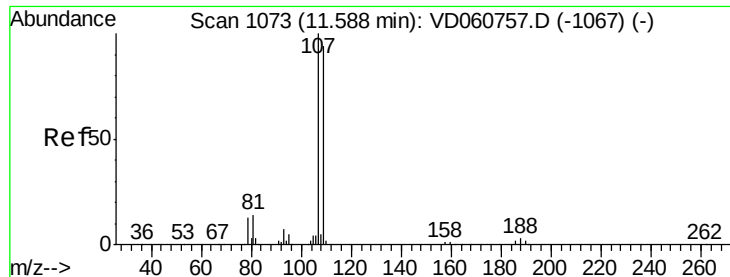
Tot Ion: 43 Resp: 1820252
Ion Ratio Lower Upper
43 100
58 52.0 23.5 70.5



#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

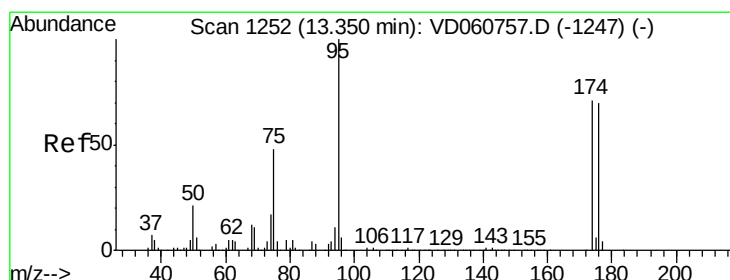
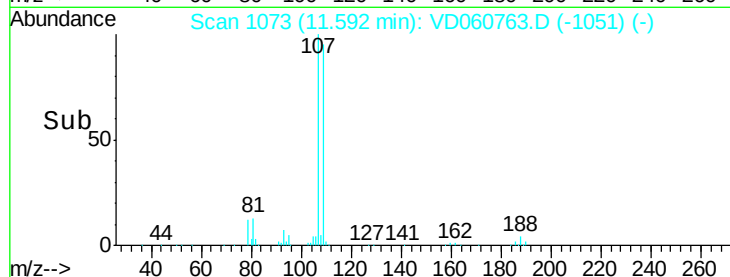
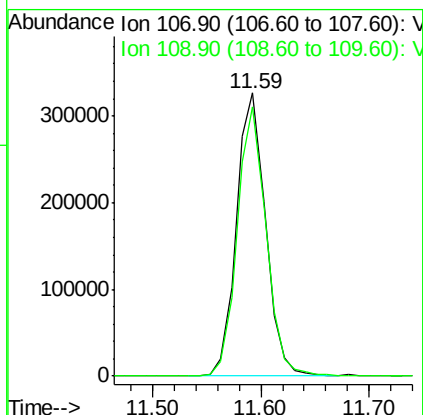
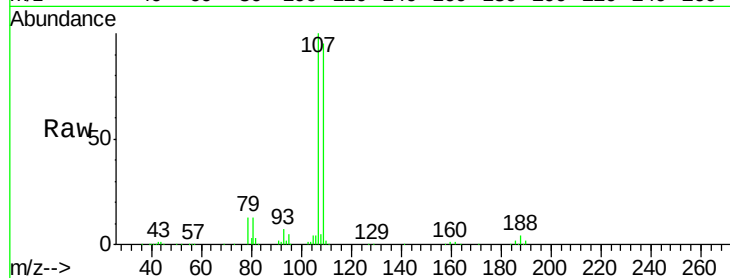




#61
 1,2-Dibromoethane
 Concen: 57.223 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. 0.02 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

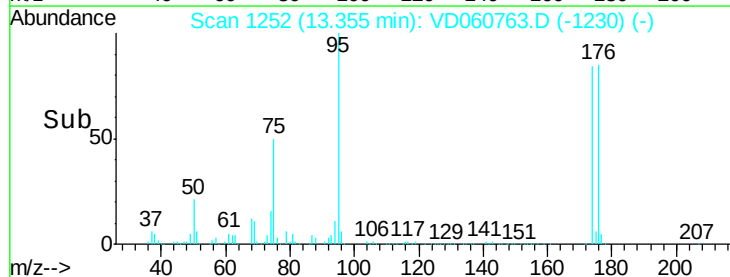
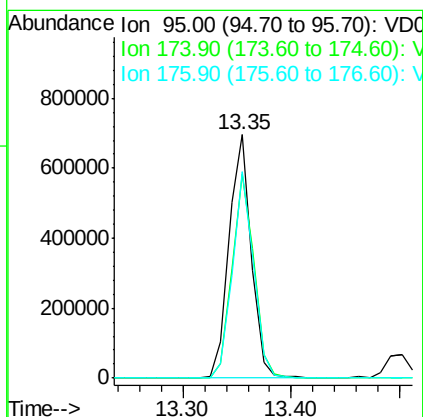
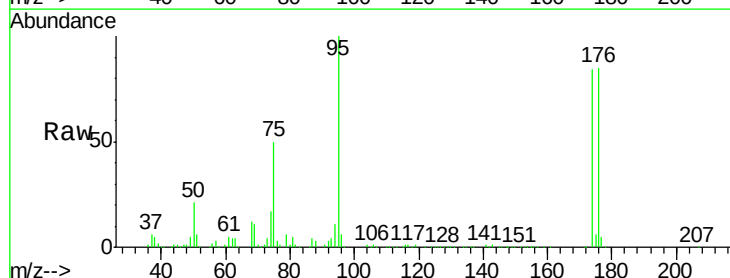
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011819

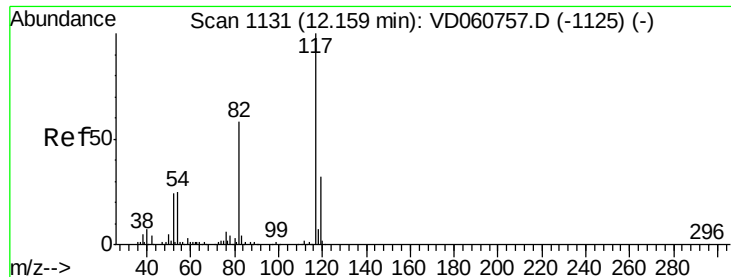
Tot Ion:107 Resp: 611753
 Ion Ratio Lower Upper
 107 100
 109 95.0 78.0 117.0



#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

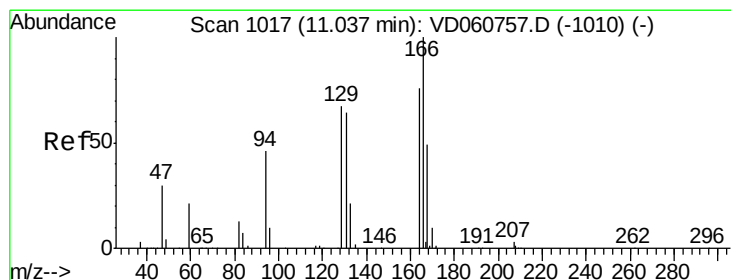
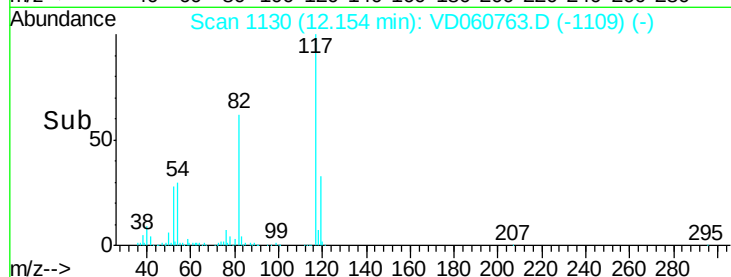
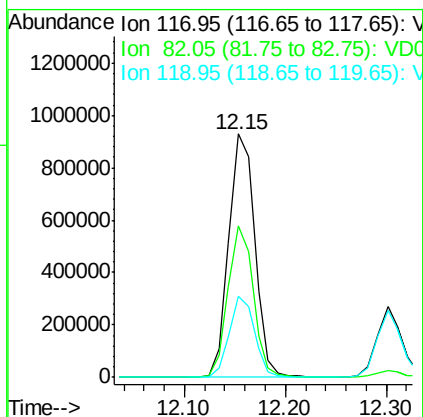
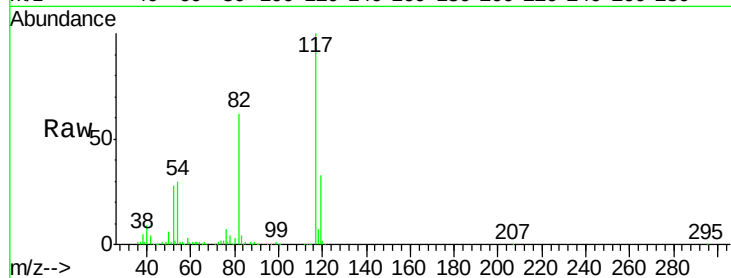




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

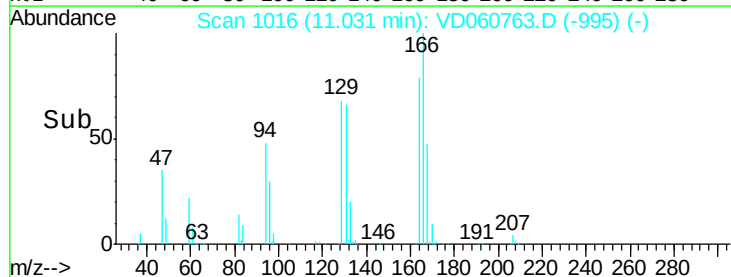
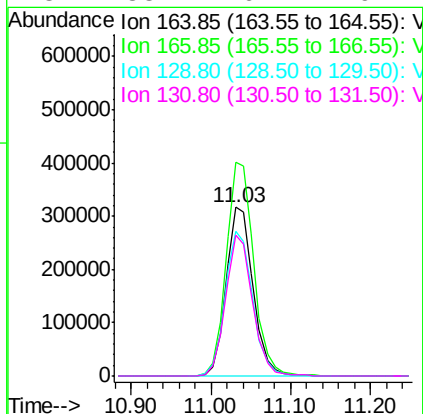
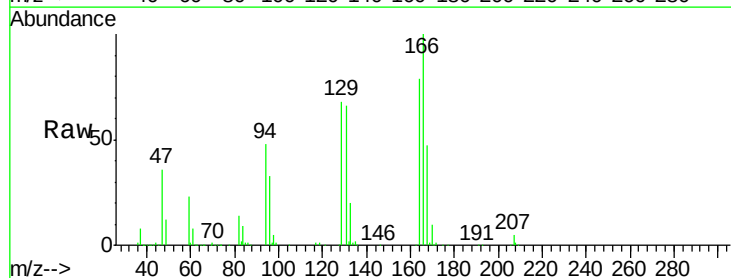
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

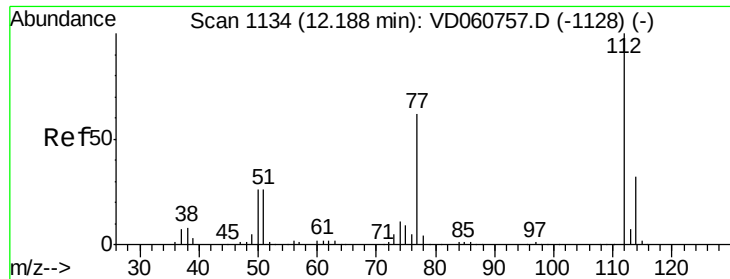
Tot Ion:117 Resp: 1675662
Ion Ratio Lower Upper
117 100
82 62.1 44.5 66.7
119 33.1 26.3 39.5



#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

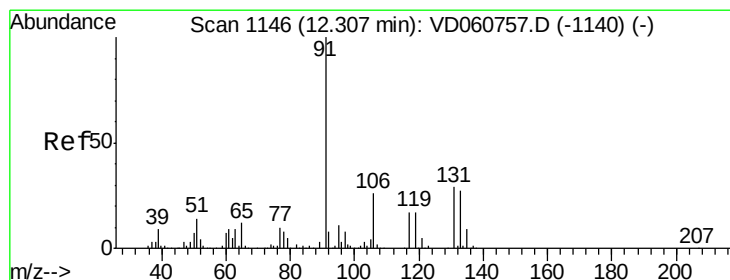
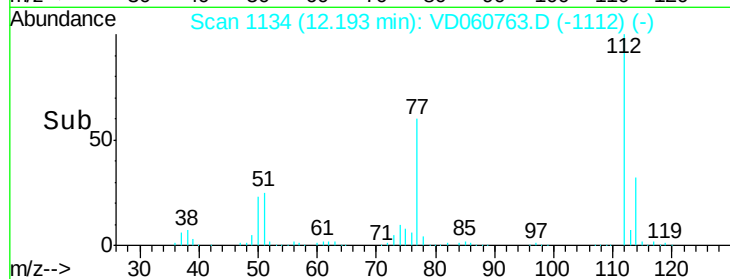
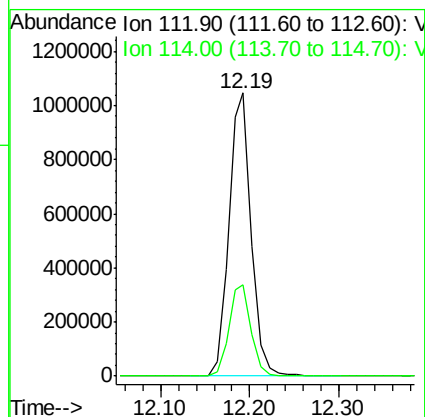
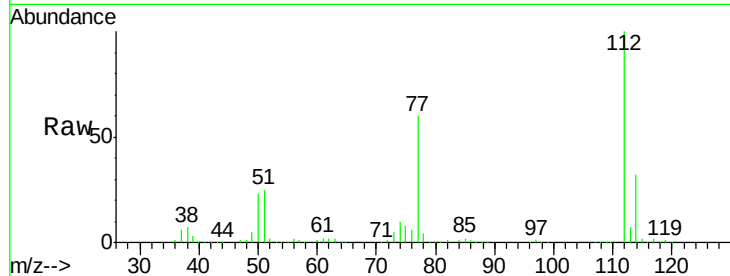




#65
Chlorobenzene
Concen: 49.627 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.02 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

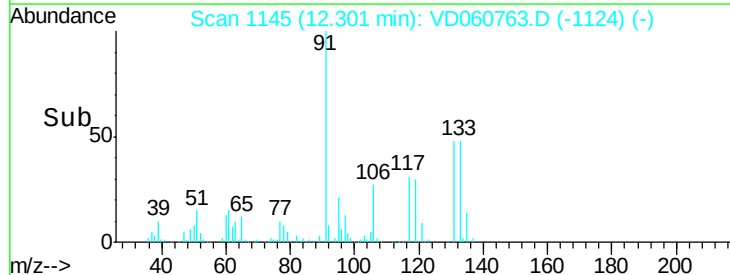
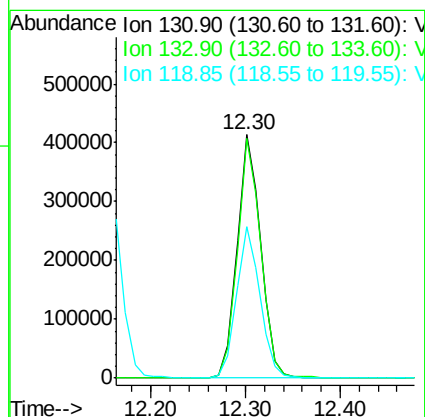
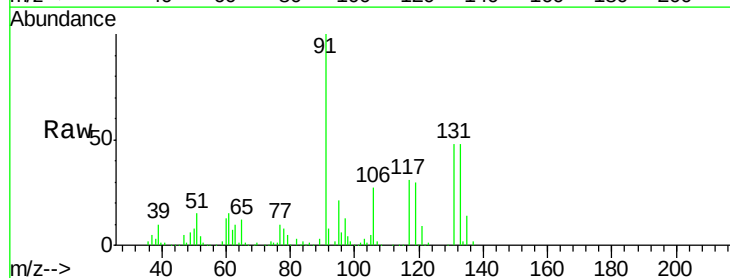
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

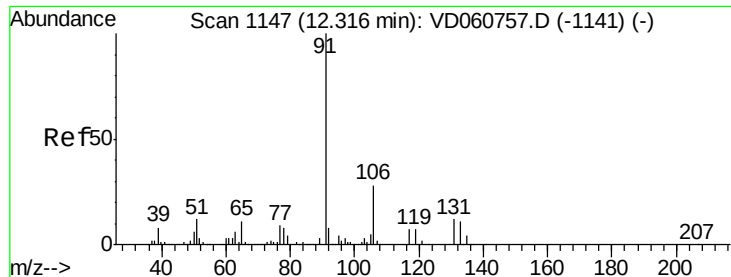
Tot Ion:112 Resp: 1837253
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1



#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

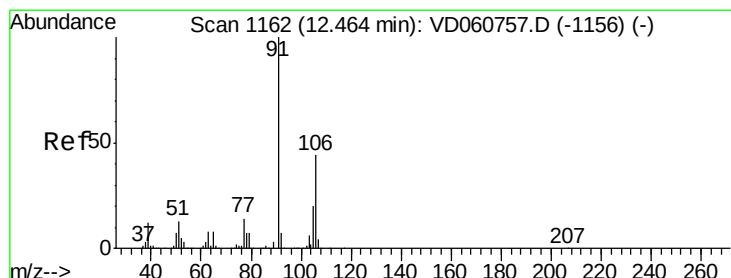
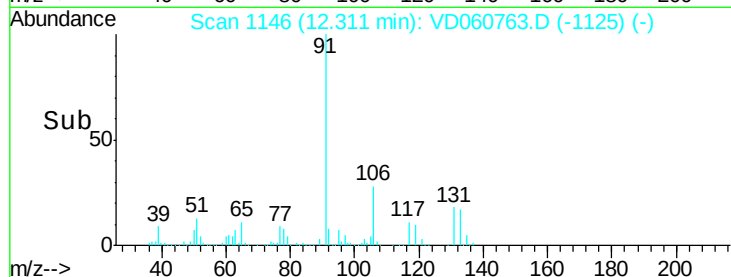
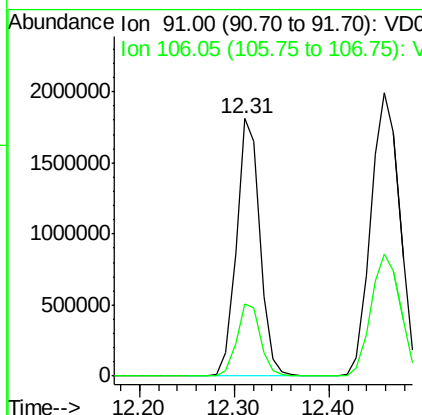
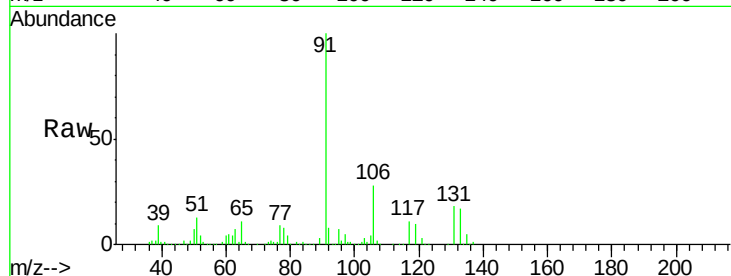




#67
Ethyl Benzene
Concen: 48.825 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

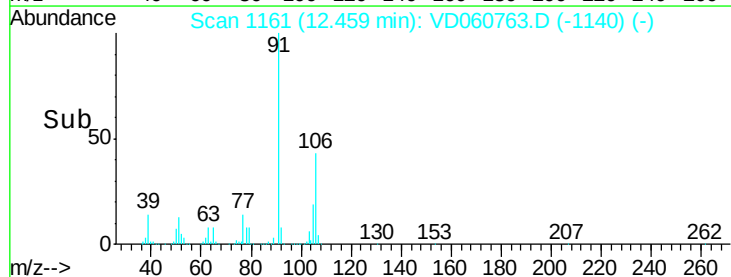
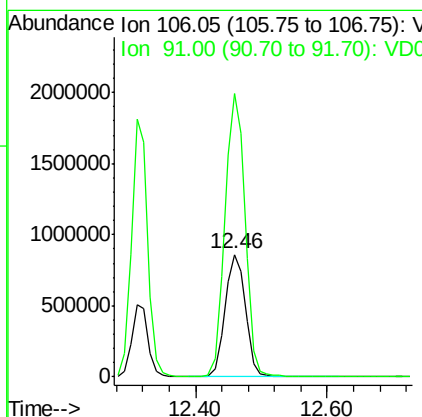
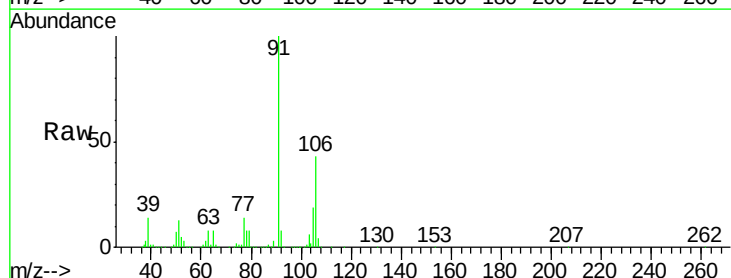
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

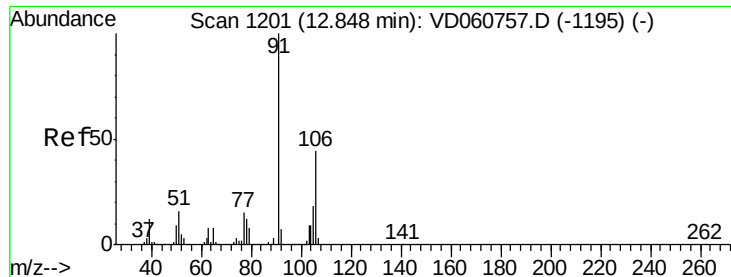
Tot Ion: 91 Resp: 3095637
Ion Ratio Lower Upper
91 100
106 27.8 24.6 36.8



#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

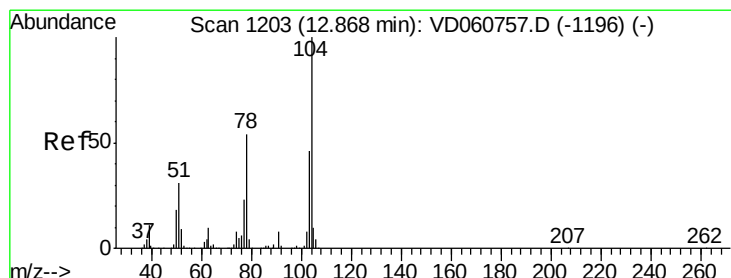
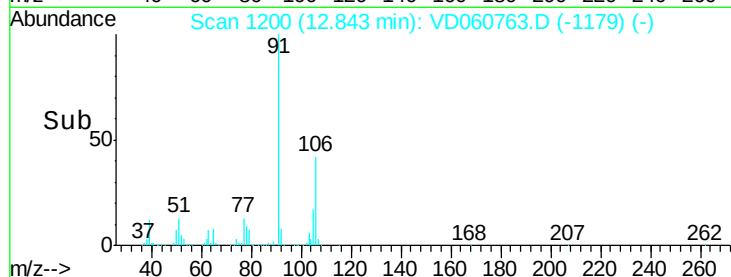
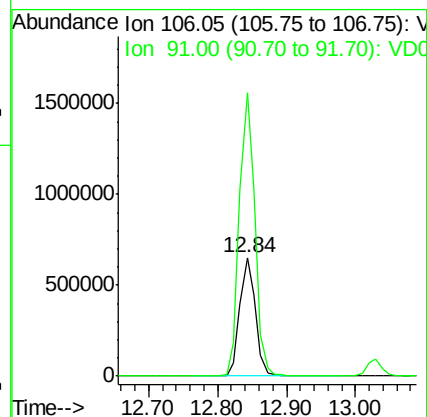
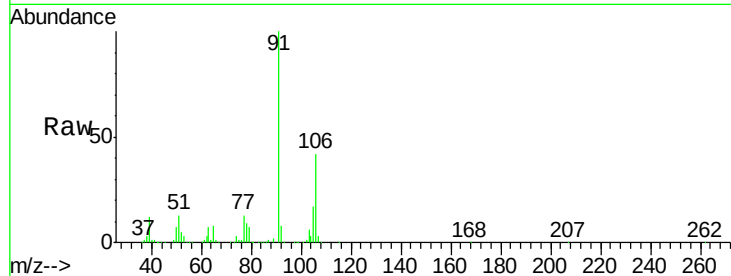




#69
o-Xylene
Concen: 46.649 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

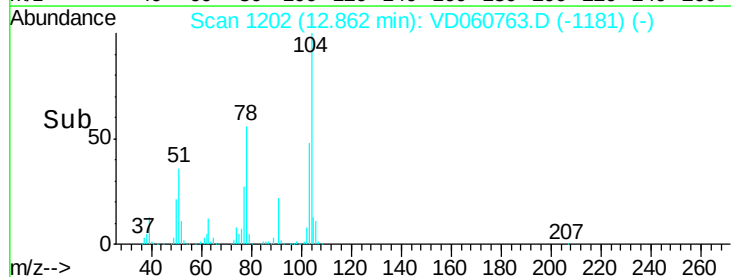
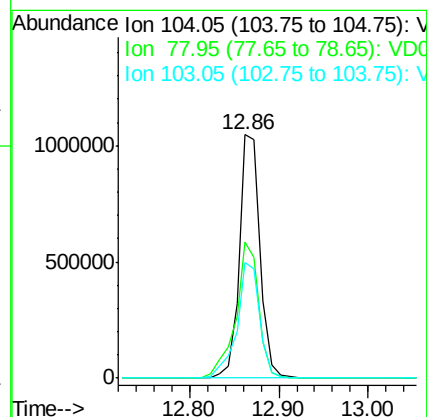
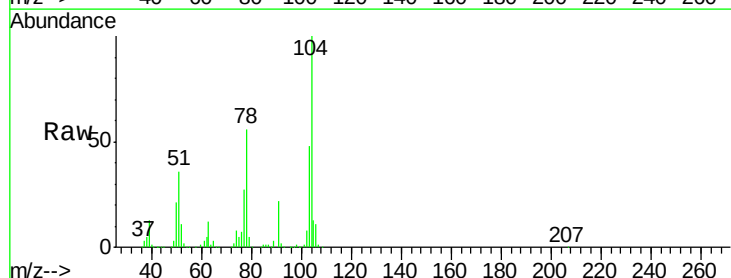
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

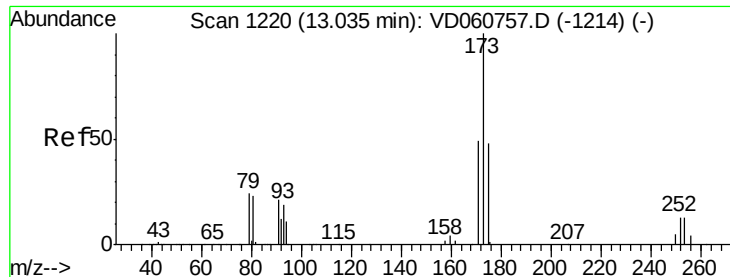
Tot Ion:106 Resp: 1025485
Ion Ratio Lower Upper
106 100
91 238.0 101.5 304.5



#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

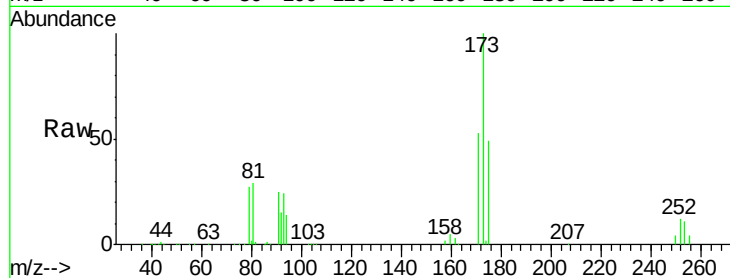
Tot Ion:173 Resp: 544090

Ion Ratio Lower Upper

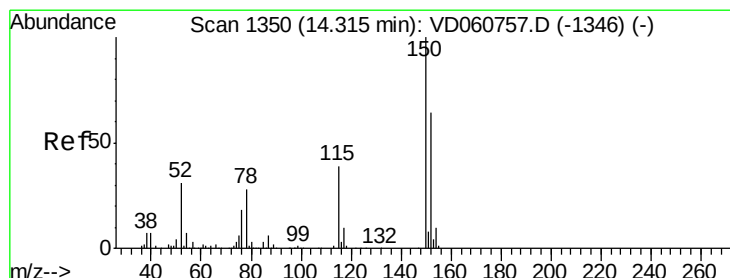
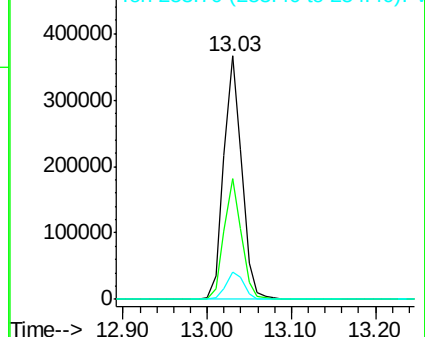
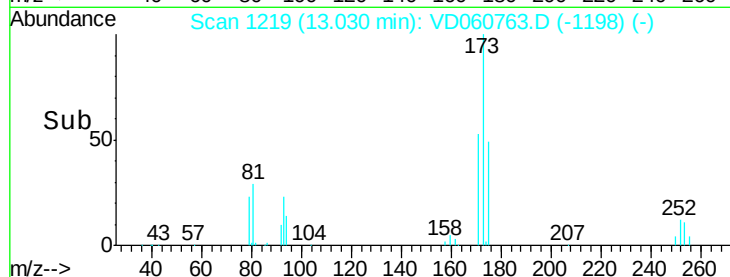
173 100

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

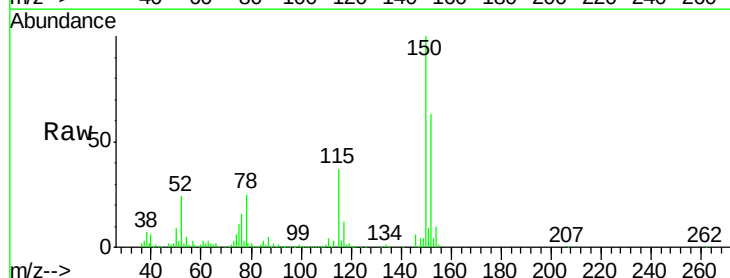
Tgt Ion:152 Resp: 814423

Ion Ratio Lower Upper

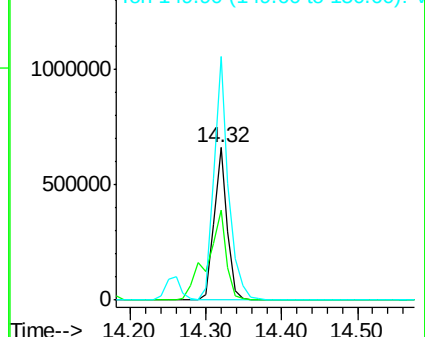
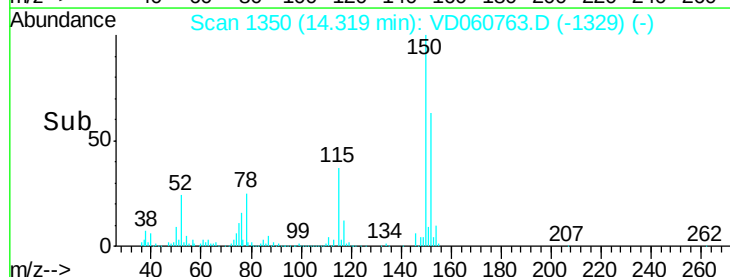
152 100

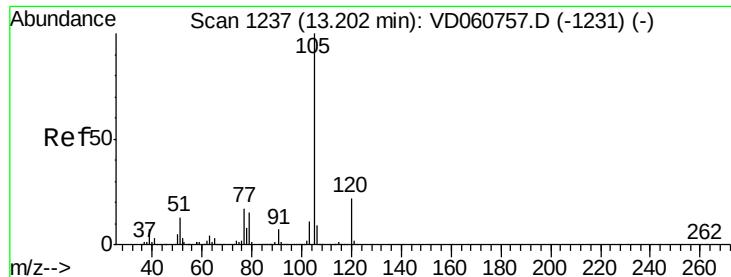
115 59.0 24.1 72.3

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 :

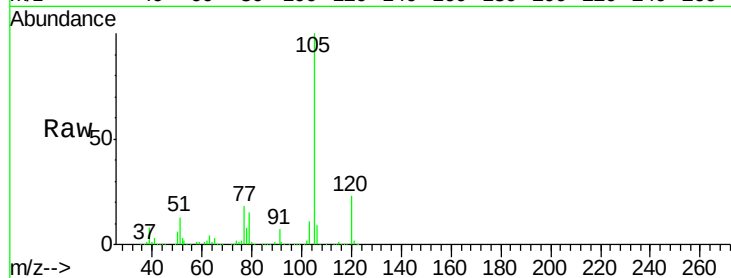
ICVVD011819

Tot Ion:105 Resp: 2934244

Ion Ratio Lower Upper

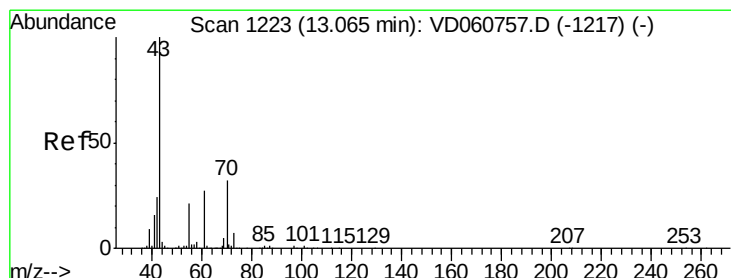
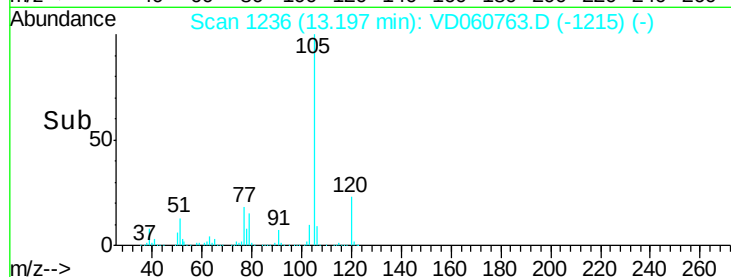
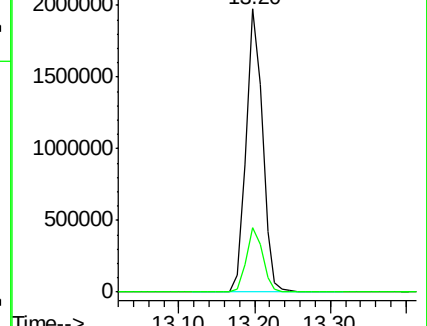
105 100

120 23.0 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#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

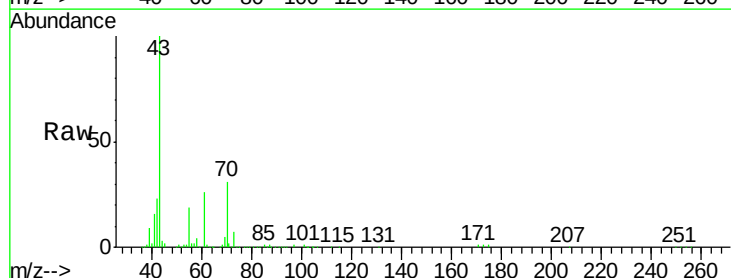
Ion Ratio Lower Upper

43 100

70 31.0 22.2 33.2

55 19.4 13.8 20.8

61 26.3 18.2 27.2

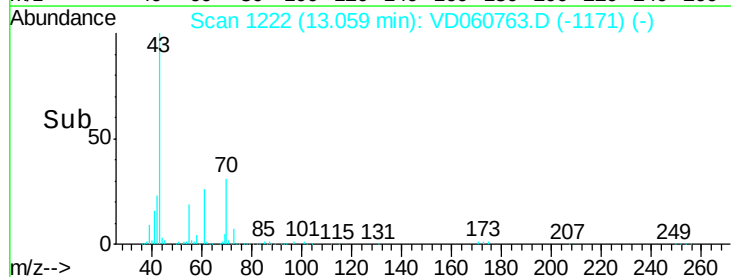
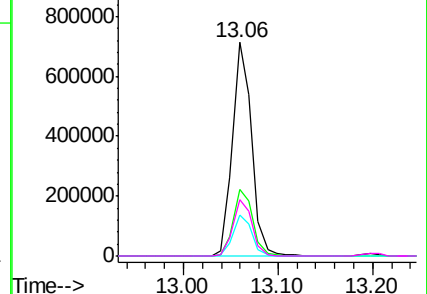


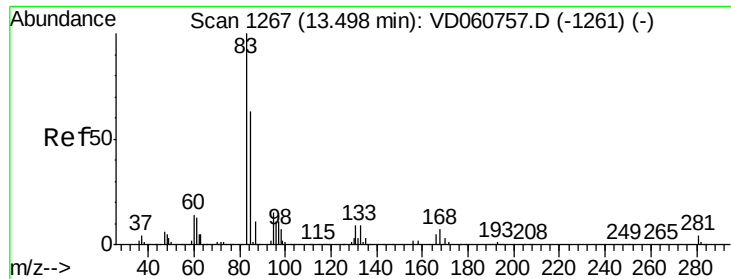
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 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

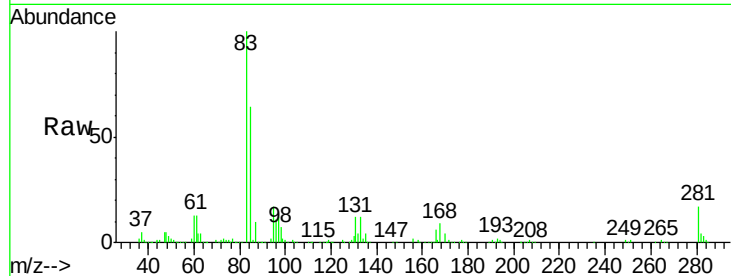
Tot Ion: 83 Resp: 612451

Ion Ratio Lower Upper

83 100

131 11.8 4.2 12.4

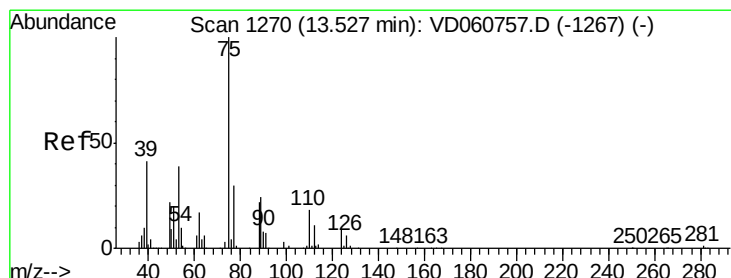
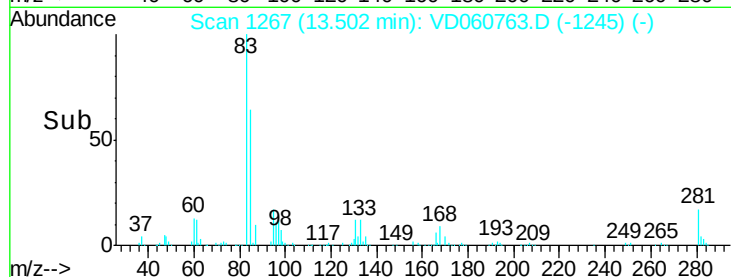
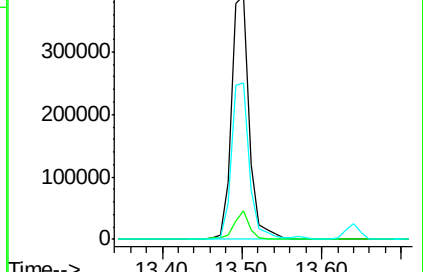
85 64.5 32.6 97.7



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

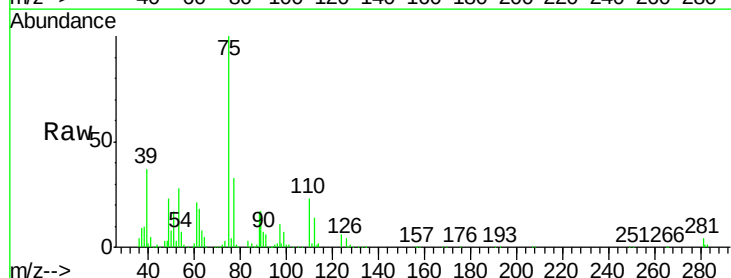
Acq: 18 Jan 2019 16:06

Tgt Ion: 75 Resp: 674709

Ion Ratio Lower Upper

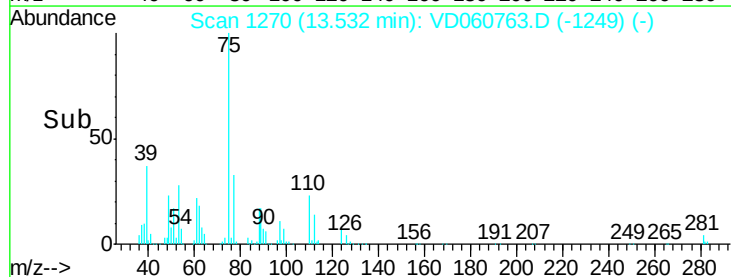
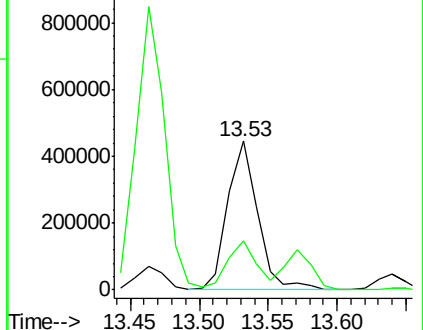
75 100

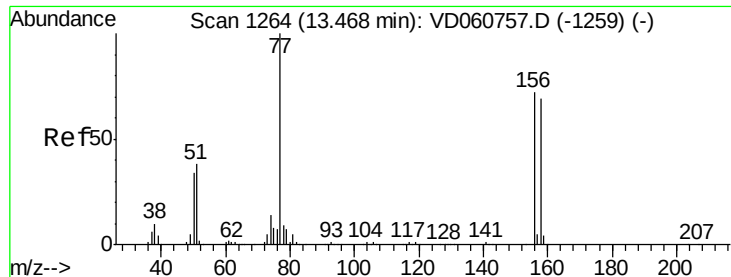
77 32.7 16.7 50.0



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

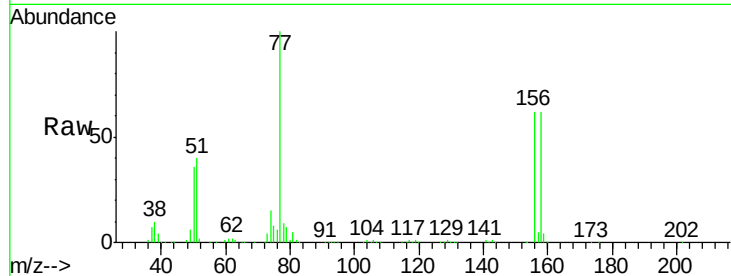
Tot Ion:156 Resp: 808557

Ion Ratio Lower Upper

156 100

77 161.4 61.3 183.9

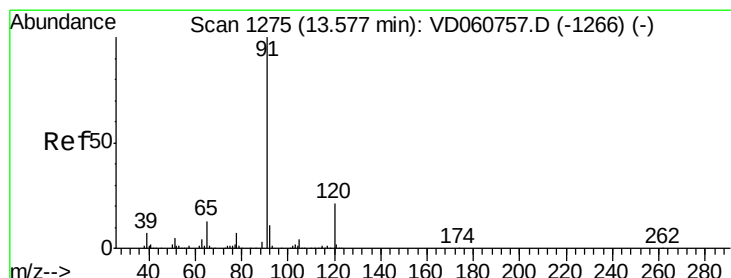
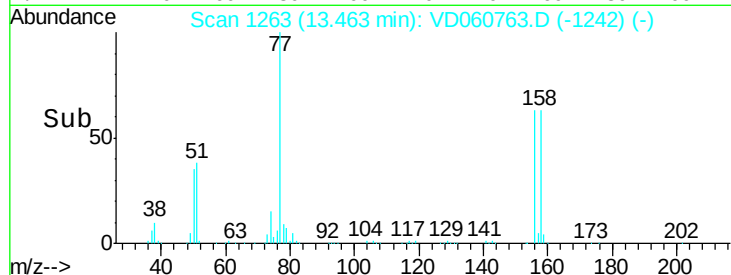
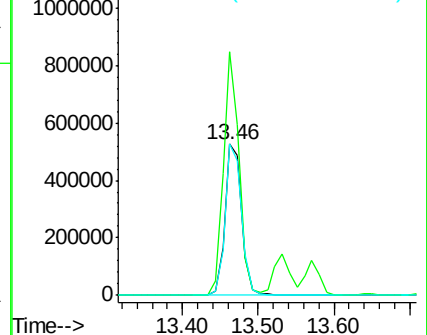
158 100.3 48.9 146.6



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

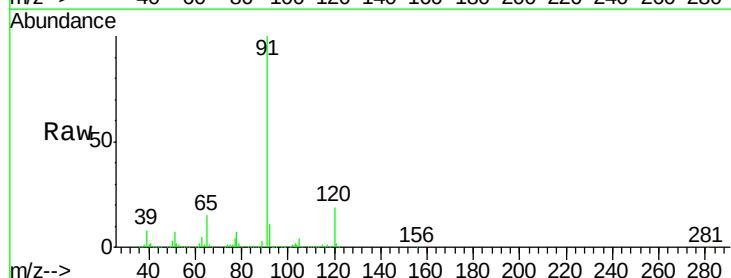
Acq: 18 Jan 2019 16:06

Tgt Ion: 91 Resp: 3763859

Ion Ratio Lower Upper

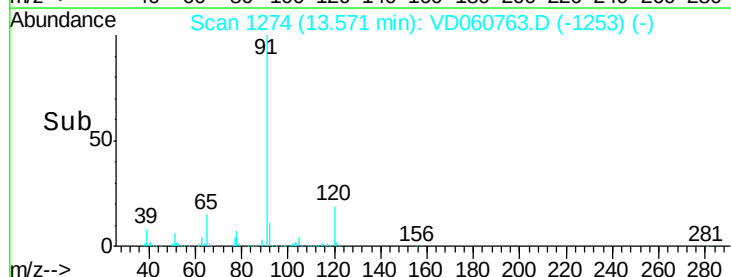
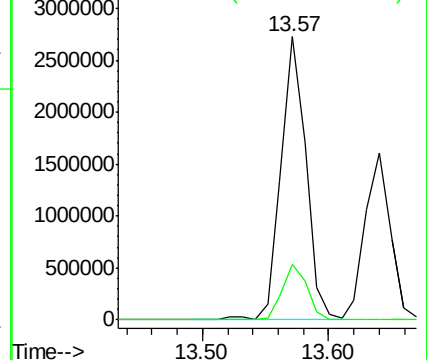
91 100

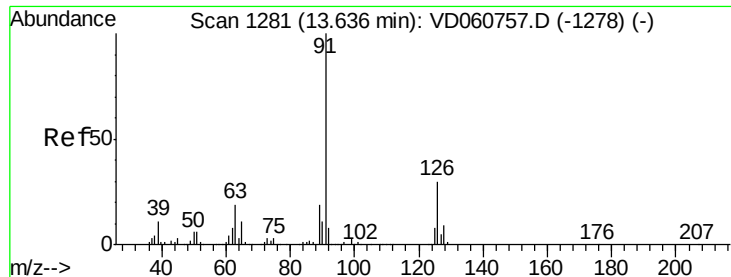
120 19.4 10.4 31.2



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 :

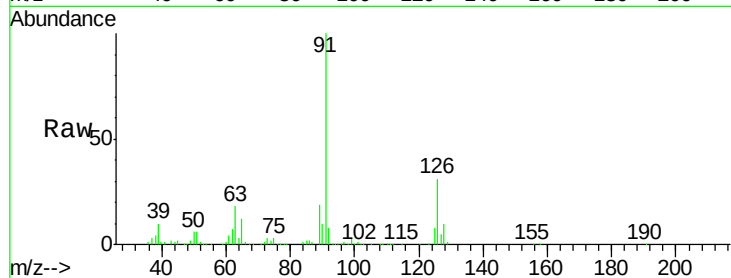
ICVVD011819

Tot Ion: 91 Resp: 2228792

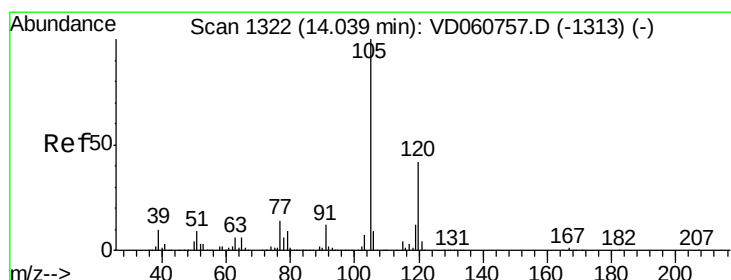
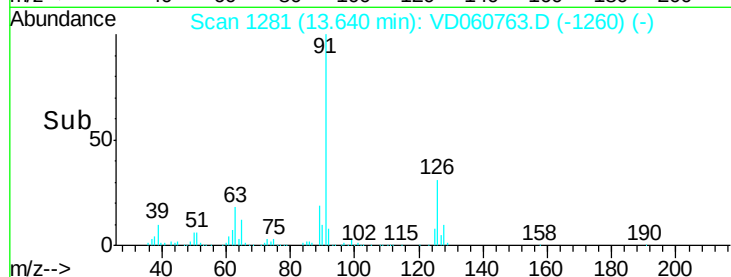
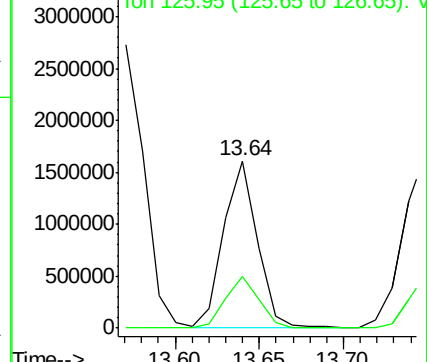
Ion Ratio Lower Upper

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

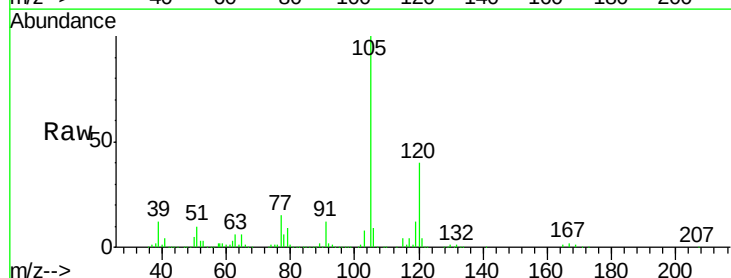
Acq: 18 Jan 2019 16:06

Tgt Ion:105 Resp: 2381183

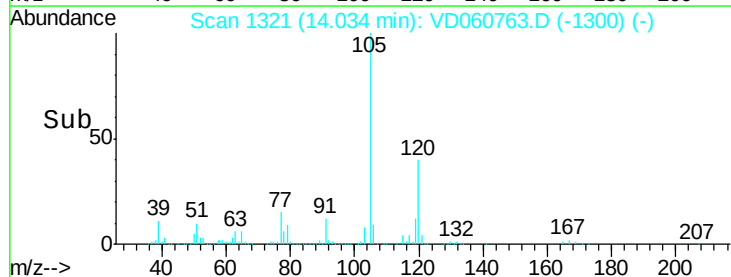
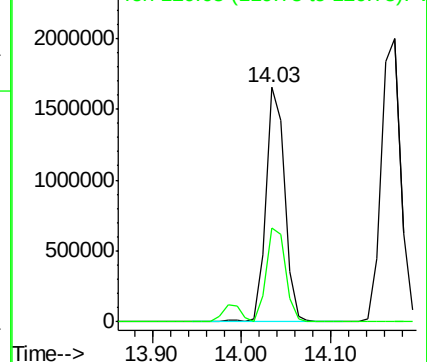
Ion Ratio Lower Upper

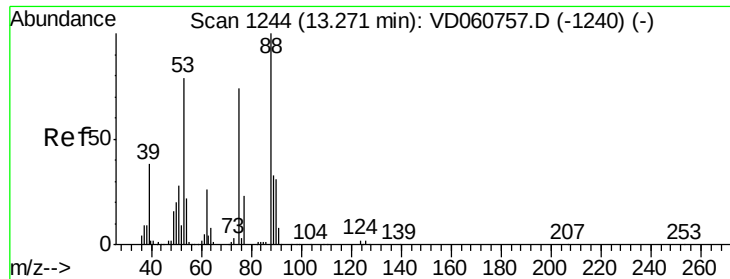
105 100

120 40.2 24.8 74.4



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

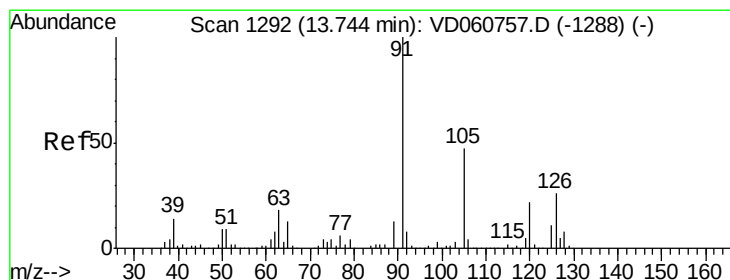
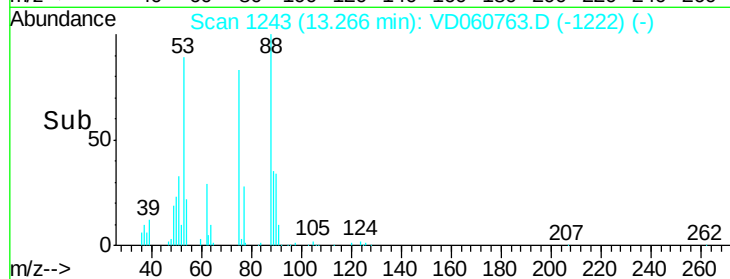
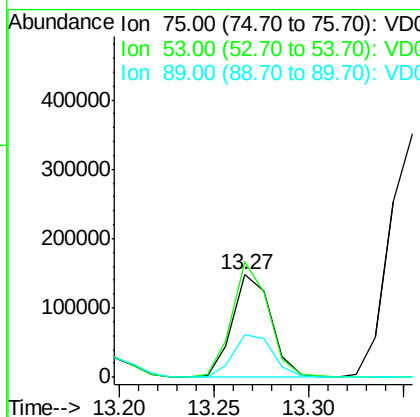
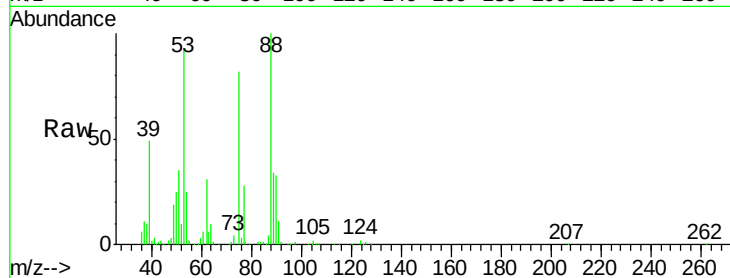




#81
trans-1,4-Dichloro-2-butene
Concen: 82.331 ug/l
RT: 13.27 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

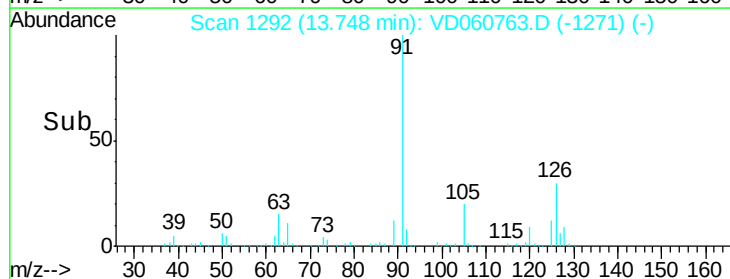
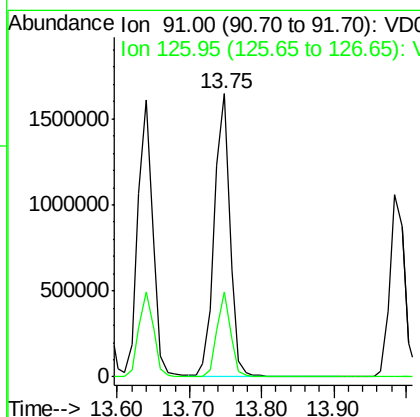
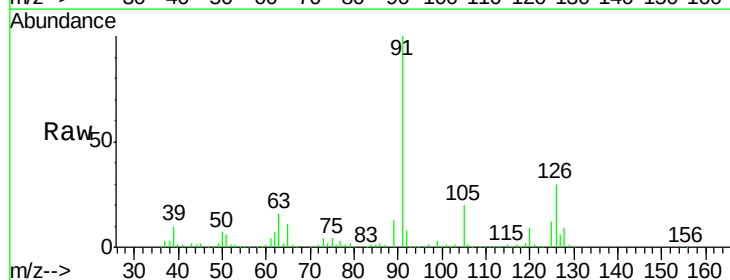
Instrument :
MSVOA_D
ClientSampleId :
ICVVD011819

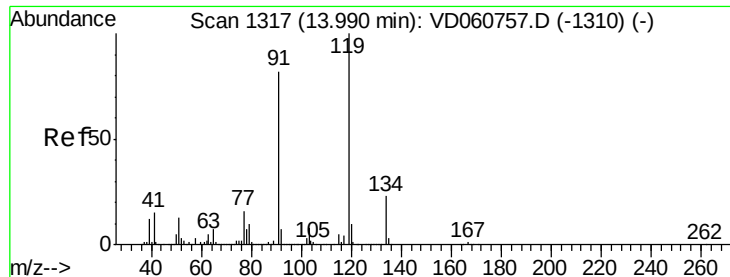
Tot Ion: 75 Resp: 210941
Ion Ratio Lower Upper
75 100
53 113.4 72.1 108.1#
89 41.8 35.1 52.7



#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

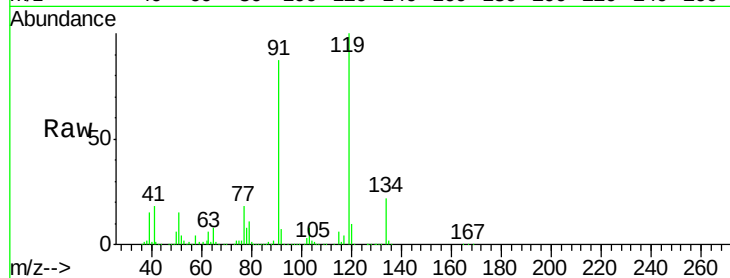
Tot Ion:119 Resp: 2521022

Ion Ratio Lower Upper

119 100

91 87.4 32.5 97.4

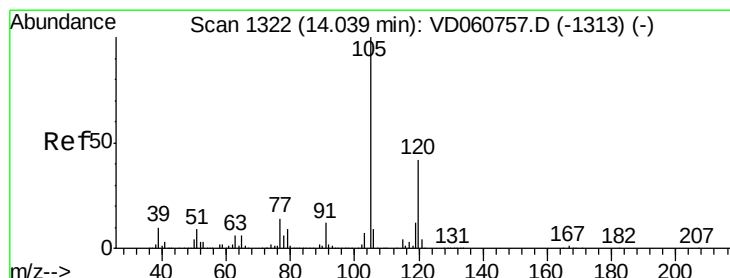
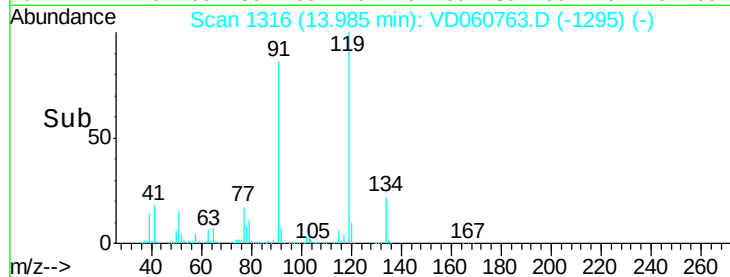
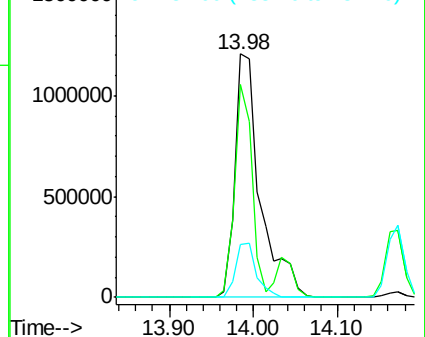
134 21.5 11.9 35.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#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

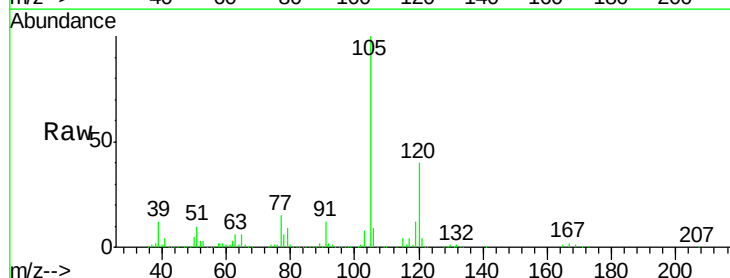
Acq: 18 Jan 2019 16:06

Tgt Ion:105 Resp: 2381183

Ion Ratio Lower Upper

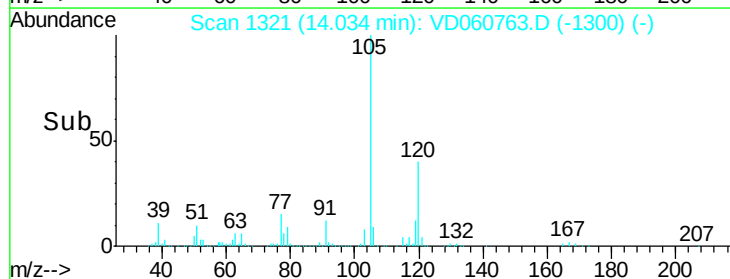
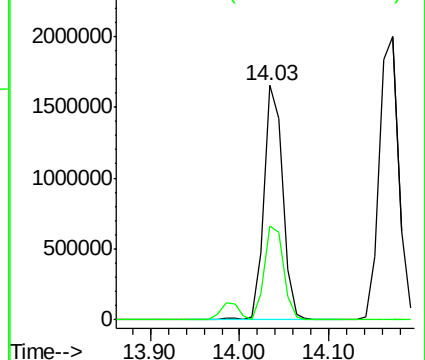
105 100

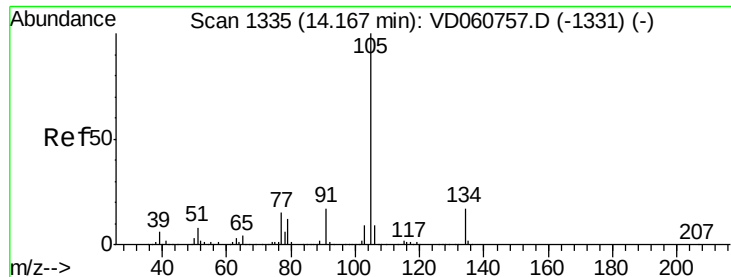
120 40.2 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#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 :

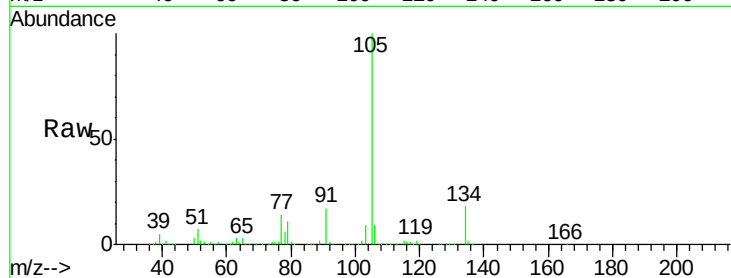
ICVVD011819

Tot Ion:105 Resp: 2968809

Ion Ratio Lower Upper

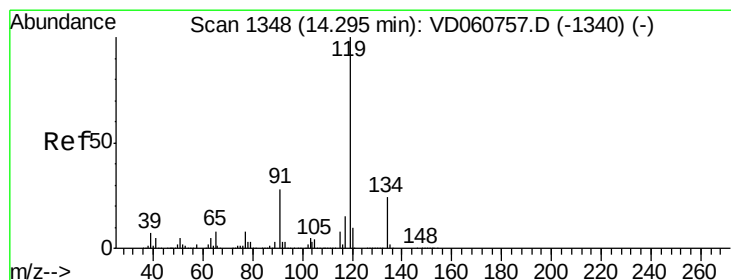
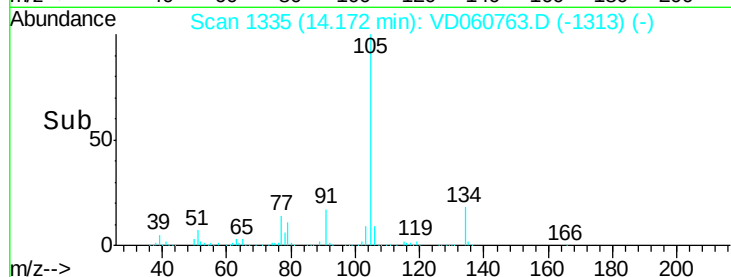
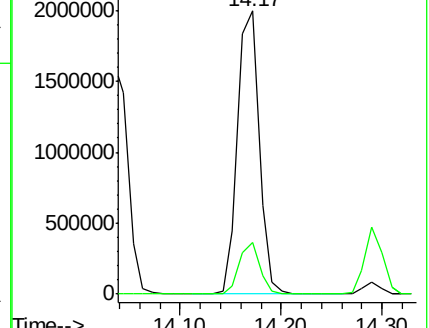
105 100

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

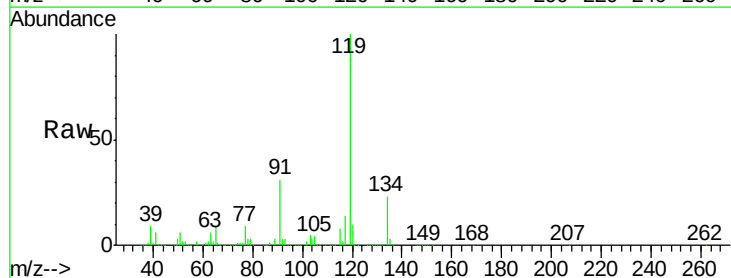
Tgt Ion:119 Resp: 2560104

Ion Ratio Lower Upper

119 100

134 23.2 12.5 37.5

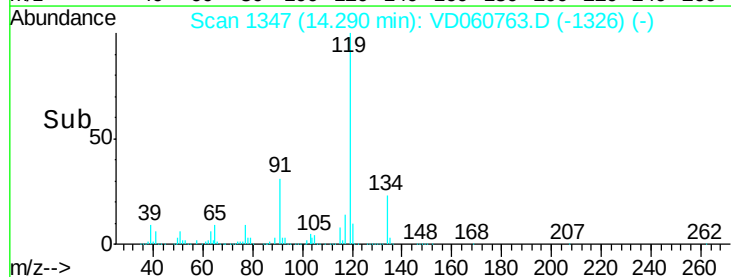
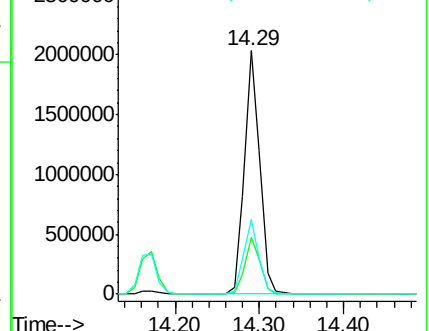
91 30.7 11.4 34.2

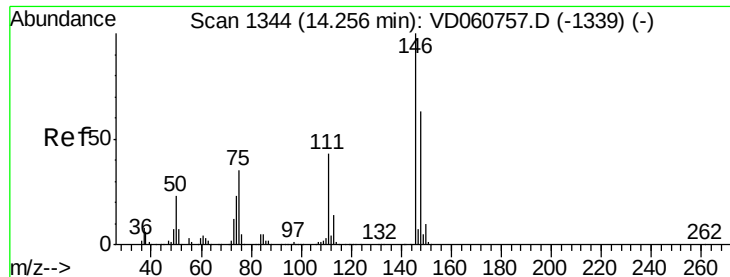


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

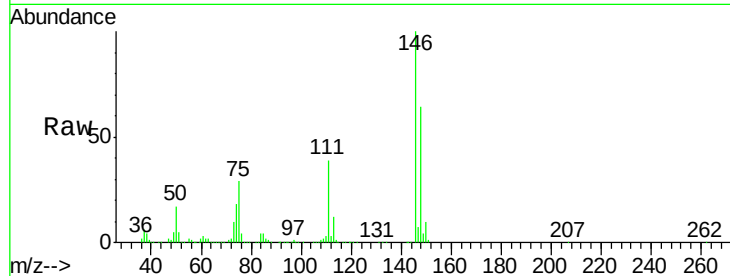




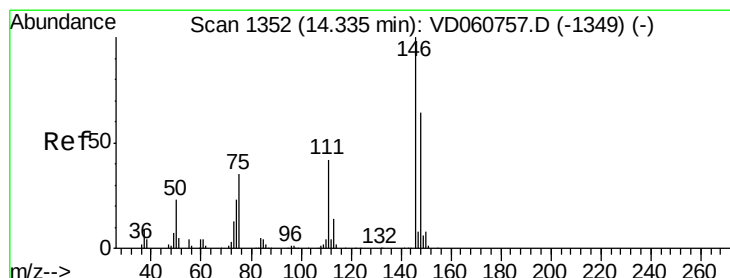
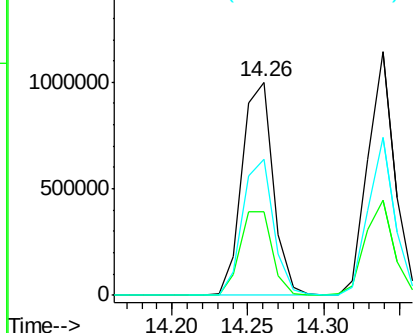
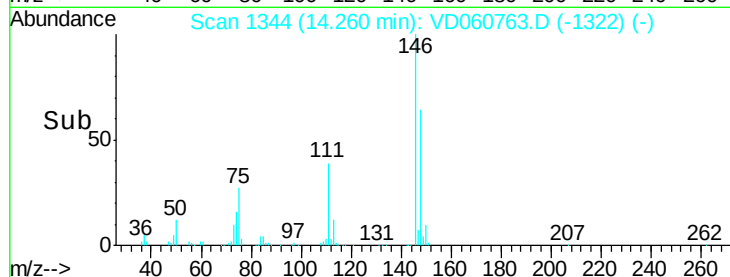
#87
 1,3-Dichlorobenzene
 Concen: 51.156 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.02 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

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

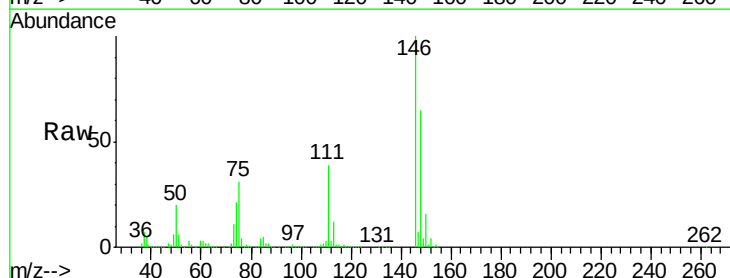


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

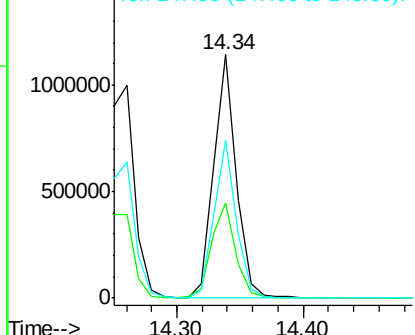
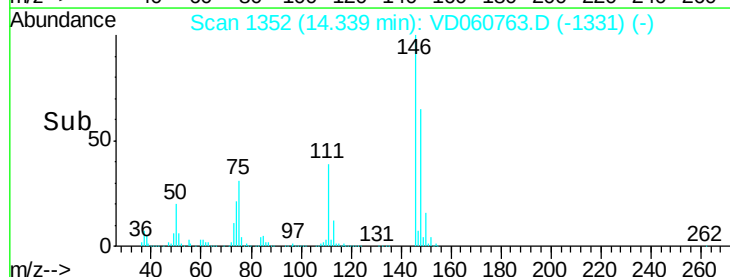


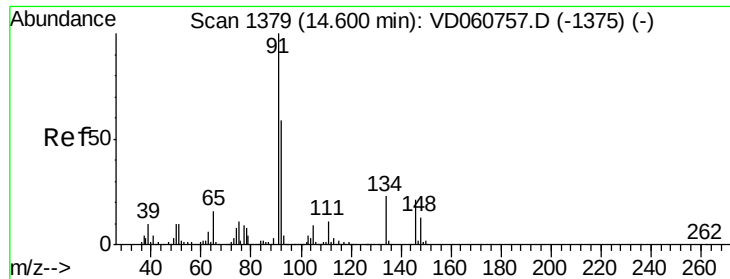
#88
 1,4-Dichlorobenzene
 Concen: 51.257 ug/l
 RT: 14.34 min Scan# 1352
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

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

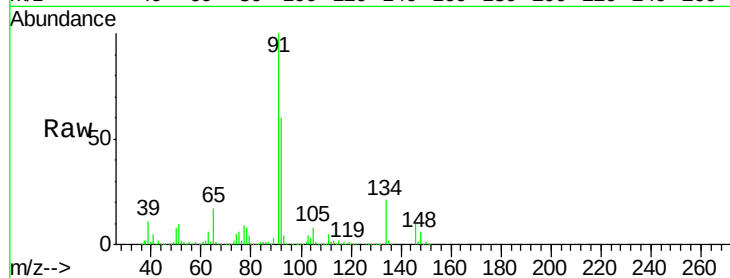
Tot Ion: 91 Resp: 2466969

Ion Ratio Lower Upper

91 100

92 59.7 29.7 89.1

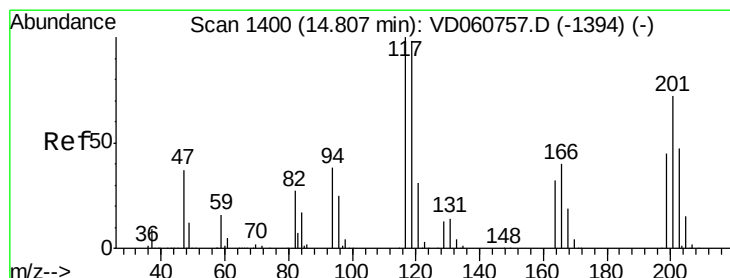
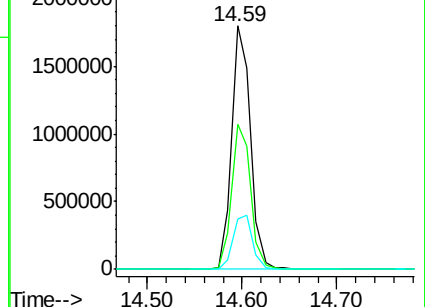
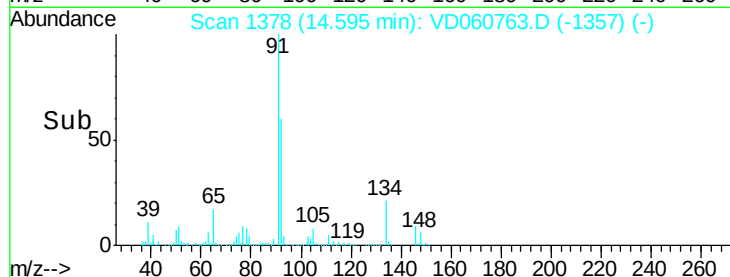
134 20.8 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 61.136 ug/l

RT: 14.81 min Scan# 1400

Delta R.T. 0.01 min

Lab File: VD060763.D

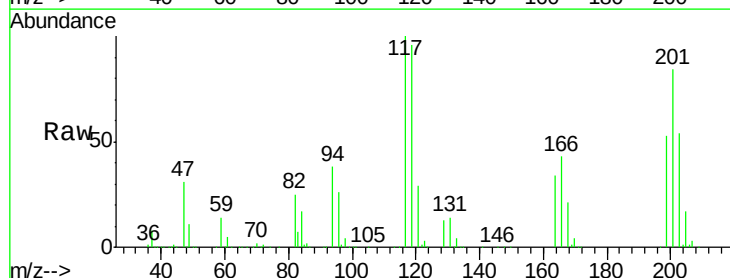
Acq: 18 Jan 2019 16:06

Tgt Ion: 117 Resp: 753420

Ion Ratio Lower Upper

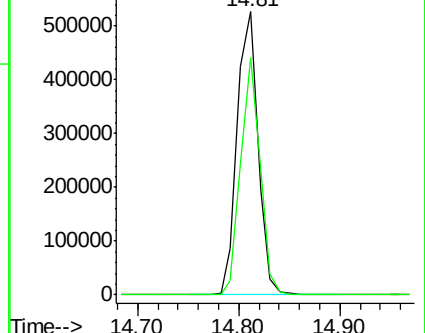
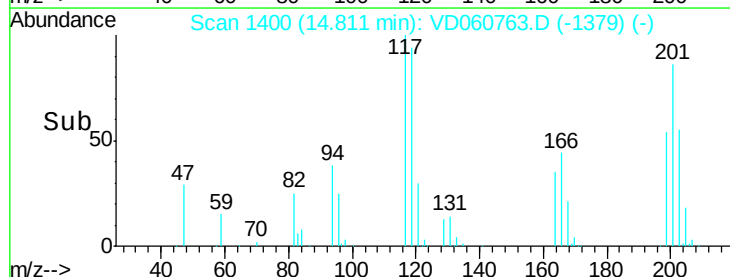
117 100

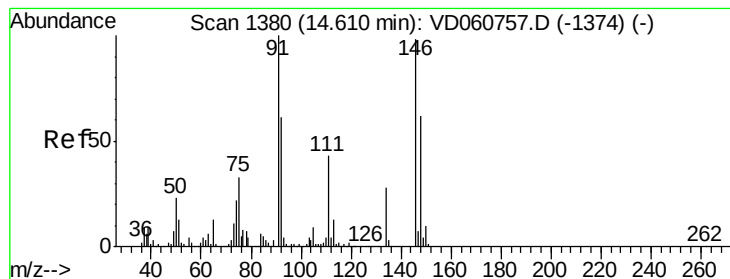
201 84.0 42.6 127.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#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

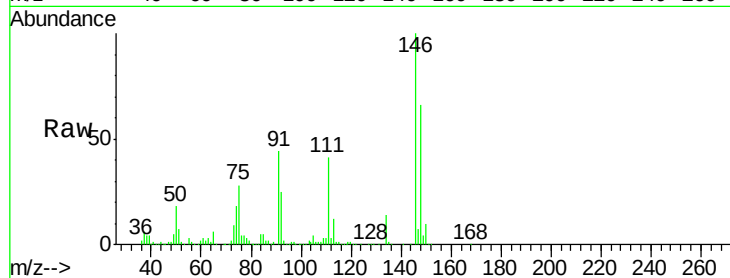
Tot Ion:146 Resp: 1146339

Ion Ratio Lower Upper

146 100

111 41.1 19.3 57.9

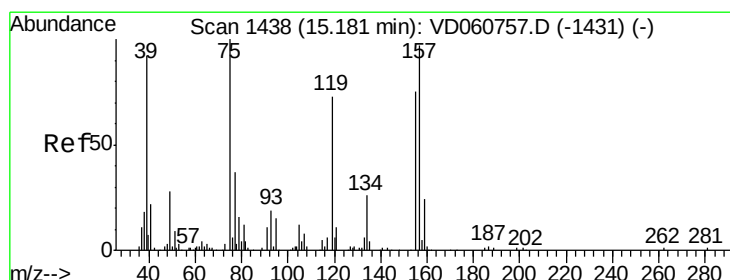
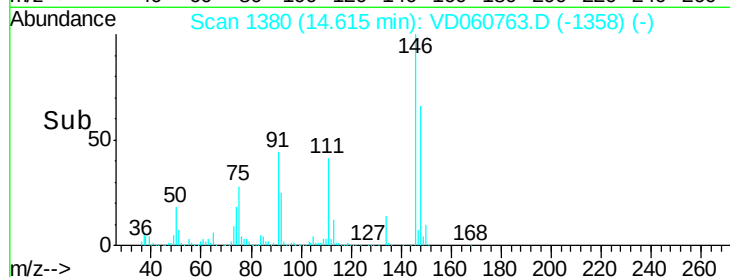
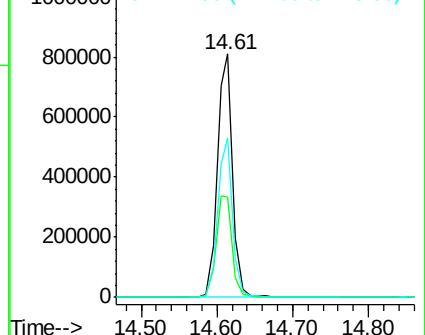
148 65.5 31.9 95.9



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



#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

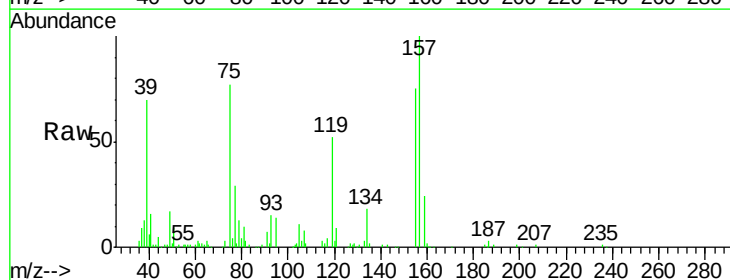
Tgt Ion: 75 Resp: 112022

Ion Ratio Lower Upper

75 100

155 97.2 41.1 123.4

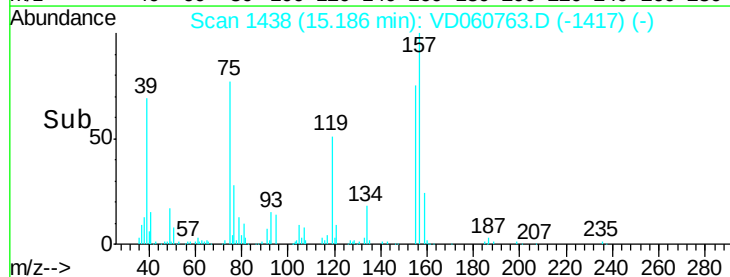
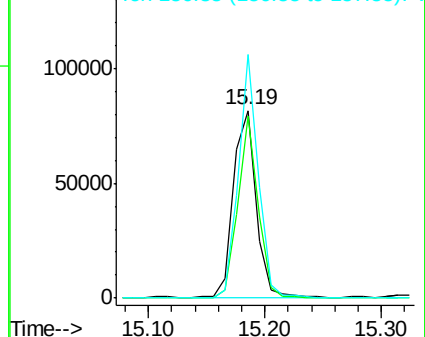
157 129.7 52.5 157.6

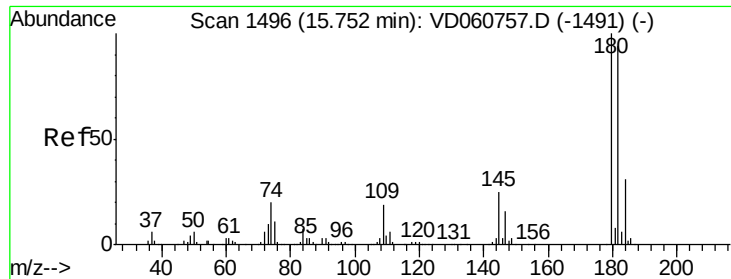


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

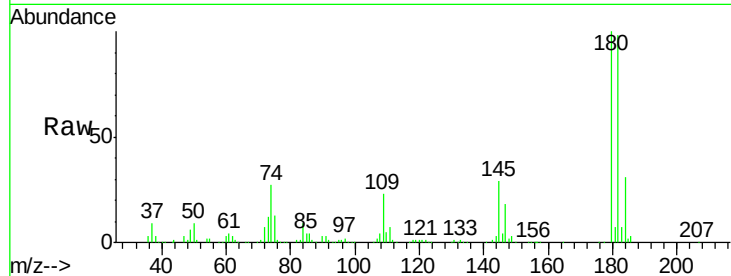




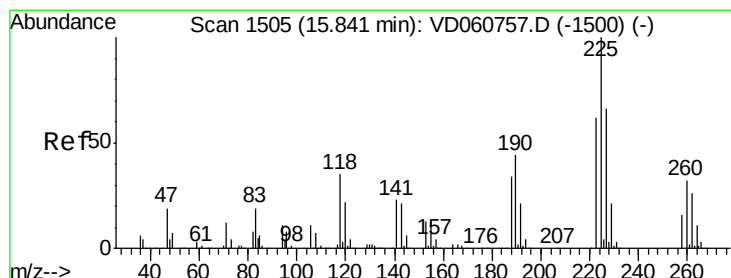
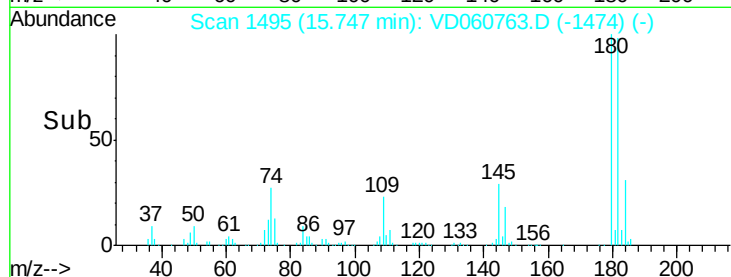
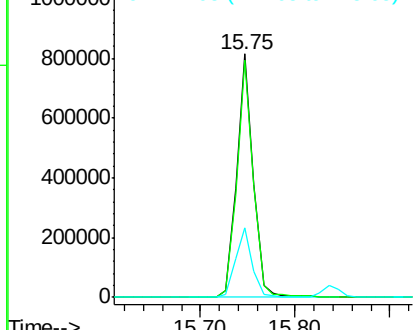
#93
 1,2,4-Trichlorobenzene
 Concen: 54.879 ug/l
 RT: 15.75 min Scan# 1495
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

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

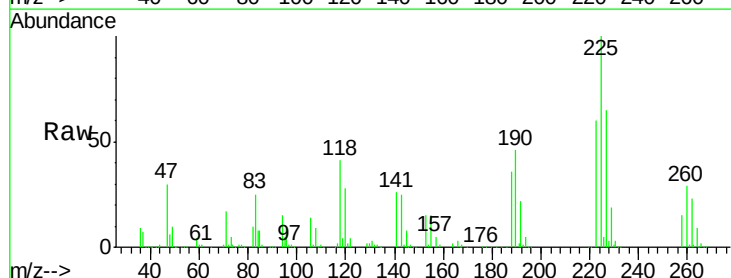


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

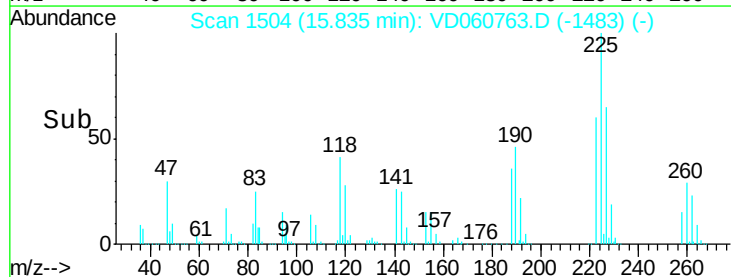
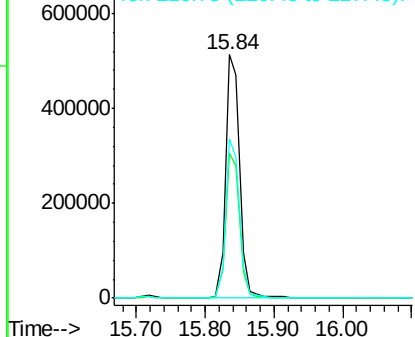


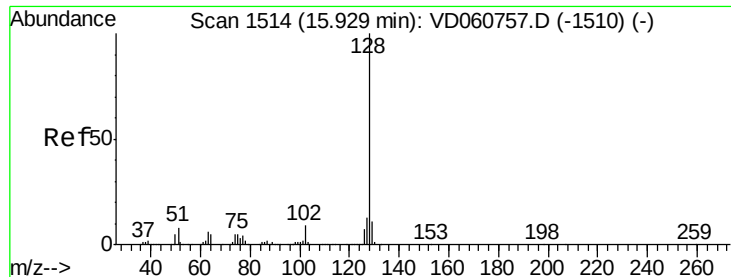
#94
 Hexachlorobutadiene
 Concen: 54.519 ug/l
 RT: 15.84 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: VD060763.D
 Acq: 18 Jan 2019 16:06

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

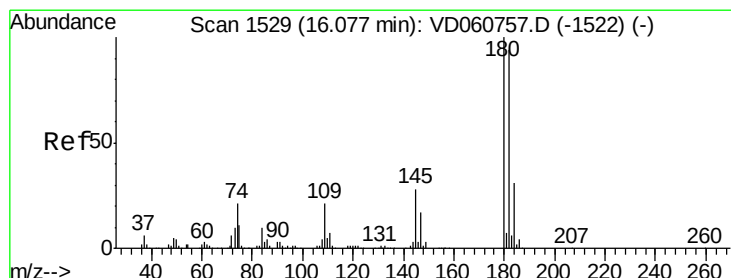
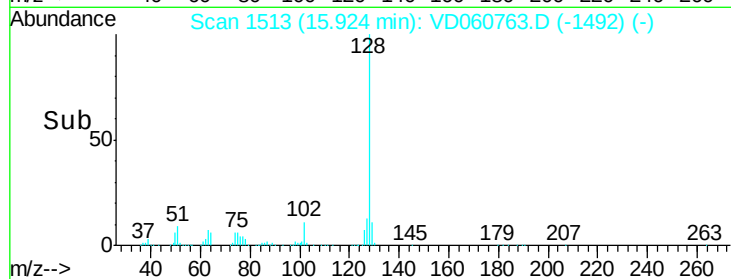
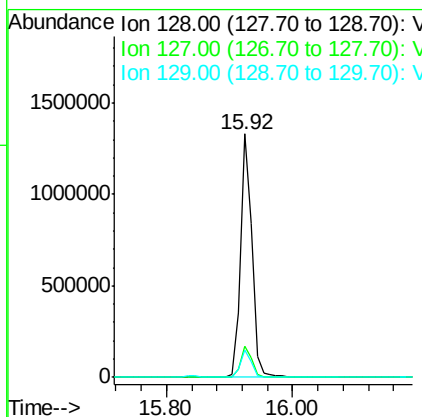
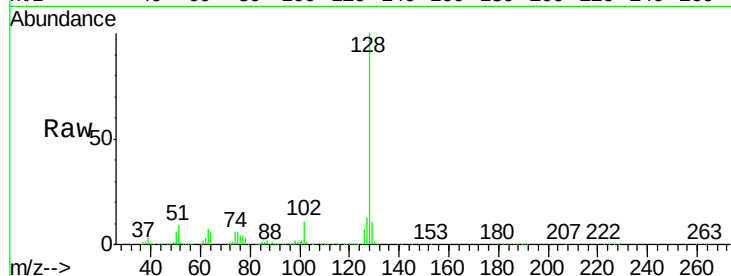




#95
Naphthalene
Concen: 75.984 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VD060763.D
Acq: 18 Jan 2019 16:06

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



#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

