

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062721.D
 Acq On : 17 Jun 2019 12:45
 Operator : VA/AP
 Sample : VD0617SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

Quant Time: Jun 17 13:13:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	775481	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1020765	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	883942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	485464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	560630	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
35) Dibromofluoromethane	6.92	113	583352	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	
50) Toluene-d8	10.40	98	1271023	56.12	ug/l	0.00
Spiked Amount			Recovery	=	112.24%	
62) 4-Bromofluorobenzene	13.55	95	527721	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	197438	20.371	ug/l	96
3) Chloromethane	1.75	50	161094	20.995	ug/l	92
4) Vinyl Chloride	1.85	62	164251	20.759	ug/l	100
5) Bromomethane	2.14	94	65883	16.496	ug/l	97
6) Chloroethane	2.26	64	70650	18.086	ug/l	94
7) Trichlorofluoromethane	2.53	101	349009	19.707	ug/l	96
8) Diethyl Ether	2.87	74	50597	21.006	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	179420	18.785	ug/l	94
10) Methyl Iodide	3.30	142	221870	18.728	ug/l	96
11) Tert butyl alcohol	4.09	59	45042	97.924	ug/l #	74
12) 1,1-Dichloroethene	3.12	96	128616	18.765	ug/l	90
13) Acrolein	3.04	56	12557	84.868	ug/l	84
14) Allyl chloride	3.61	41	210808	20.003	ug/l	90
15) Acrylonitrile	4.20	53	104268	99.755	ug/l	89
16) Acetone	3.23	43	212702	103.803	ug/l #	92
17) Carbon Disulfide	3.36	76	371835	18.409	ug/l	97
18) Methyl Acetate	3.64	43	69285	20.574	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	336047	20.102	ug/l	99
20) Methylene Chloride	3.81	84	140598	17.877	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	147094	19.564	ug/l	89
22) Diisopropyl ether	5.13	45	420875	19.233	ug/l #	95
23) Vinyl Acetate	5.06	43	1323044	97.456	ug/l	98
24) 1,1-Dichloroethane	4.98	63	267765	19.020	ug/l	97
25) 2-Butanone	6.08	43	193978	97.034	ug/l	95
26) 2,2-Dichloropropane	6.02	77	302198	18.626	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	160303	19.668	ug/l	98
28) Bromochloromethane	6.44	49	103791	19.287	ug/l	95
29) Tetrahydrofuran	6.47	42	88780	98.618	ug/l	97
30) Chloroform	6.66	83	360406	19.954	ug/l	96
31) Cyclohexane	6.95	56	173721	19.672	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	354502	19.724	ug/l	98
36) 1,1-Dichloropropene	7.14	75	220228	18.851	ug/l	99
37) Ethyl Acetate	6.19	43	95422	19.897	ug/l #	80
38) Carbon Tetrachloride	7.11	117	350170	18.963	ug/l	96

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 Sample : VD0617SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBS01

Quant Time: Jun 17 13:13:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	179827	19.048	ug/l	92
40) Benzene	7.45	78	454824	19.935	ug/l	99
41) Methacrylonitrile	6.45	41	121724	19.904	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	259591	19.090	ug/l	98
43) Isopropyl Acetate	9.24	43	123165	19.981	ug/l #	93
44) Trichloroethene	8.53	130	186873	20.176	ug/l	98
45) 1,2-Dichloropropane	8.94	63	116757	21.306	ug/l	99
46) Dibromomethane	9.06	93	100068	20.571	ug/l	92
47) Bromodichloromethane	9.37	83	263782	19.934	ug/l	98
48) Methyl methacrylate	9.12	41	91917	20.640	ug/l	94
49) 1,4-Dioxane	9.08	88	14482	393.734	ug/l #	77
51) 4-Methyl-2-Pentanone	10.30	43	456090	105.741	ug/l	97
52) Toluene	10.50	92	314251	20.491	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	216552	19.960	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	236918	21.129	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	108833	20.693	ug/l	91
56) Ethyl methacrylate	11.04	69	110790	20.045	ug/l	93
57) 1,3-Dichloropropane	11.41	76	154999	19.015	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	312265	111.088	ug/l	92
59) 2-Hexanone	11.53	43	304915	95.035	ug/l	97
60) Dibromochloromethane	11.68	129	200184	19.282	ug/l	95
61) 1,2-Dibromoethane	11.80	107	126575	20.109	ug/l	95
64) Tetrachloroethene	11.25	164	162966	19.695	ug/l	89
65) Chlorobenzene	12.39	112	395951	20.251	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	184999	19.839	ug/l	97
67) Ethyl Benzene	12.52	91	701404	20.233	ug/l	98
68) m/p-Xylenes	12.67	106	506851	41.589	ug/l	99
69) o-Xylene	13.05	106	239143	21.366	ug/l	89
70) Styrene	13.07	104	405151	20.287	ug/l	95
71) Bromoform	13.23	173	130421	20.030	ug/l	98
73) Isopropylbenzene	13.40	105	766181	22.391	ug/l	99
74) N-amyl acetate	13.26	43	191639	20.723	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	122460	20.916	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	135505	20.586	ug/l	96
77) Bromobenzene	13.67	156	197933	20.238	ug/l	96
78) n-propylbenzene	13.77	91	889948	21.248	ug/l	95
79) 2-Chlorotoluene	13.84	91	468298	19.095	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	636822	21.058	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	35846	20.827	ug/l	95
82) 4-Chlorotoluene	13.95	91	611872	20.863	ug/l	98
83) tert-Butylbenzene	14.18	119	697965	20.926	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	614447	20.521	ug/l	100
85) sec-Butylbenzene	14.36	105	725570	20.745	ug/l	94
86) p-Isopropyltoluene	14.49	119	695660	20.428	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	375309	21.183	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	362139	21.628	ug/l	93
89) n-Butylbenzene	14.79	91	660176	21.549	ug/l	99
90) Hexachloroethane	15.00	117	190148	21.151	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	320768	21.780	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22537	18.021	ug/l	84

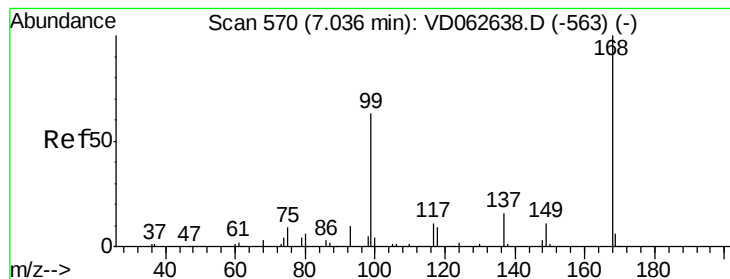
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
Data File : VD062721.D
Acq On : 17 Jun 2019 12:45
Operator : VA/AP
Sample : VD0617SBSD01
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MSVOA_D
ClientSampleId :
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Quant Time: Jun 17 13:13:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	242009	21.556	ug/l	96
94) Hexachlorobutadiene	16.03	225	181314	20.851	ug/l	99
95) Naphthalene	16.12	128	322485	20.494	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	184050	21.696	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

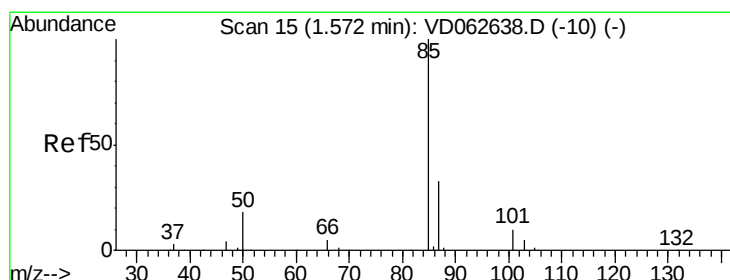
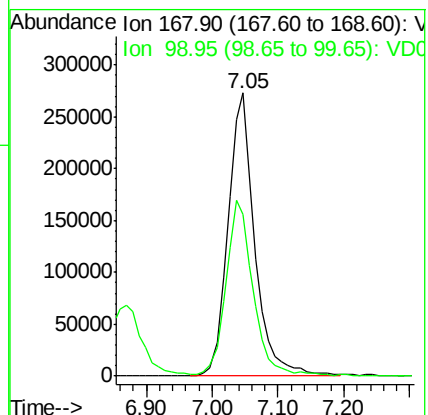
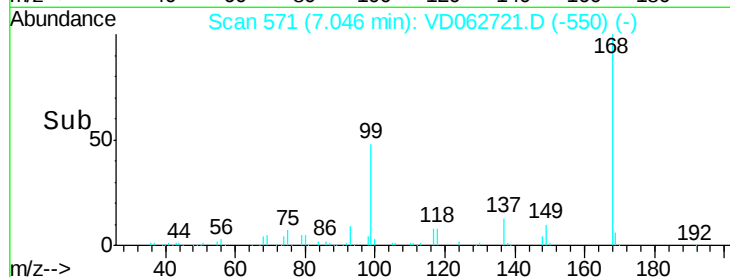
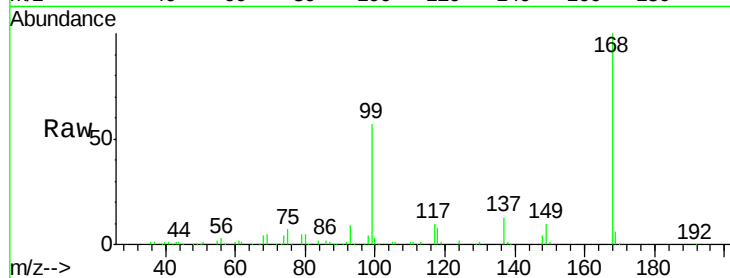
VD0617SBSD01

Tot Ion:168 Resp: 775481

Ion Ratio Lower Upper

168 100

99 57.3 51.4 77.2



#2

Dichlorodifluoromethane

Concen: 20.371 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062721.D

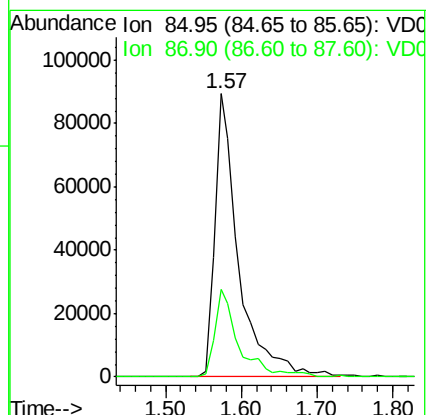
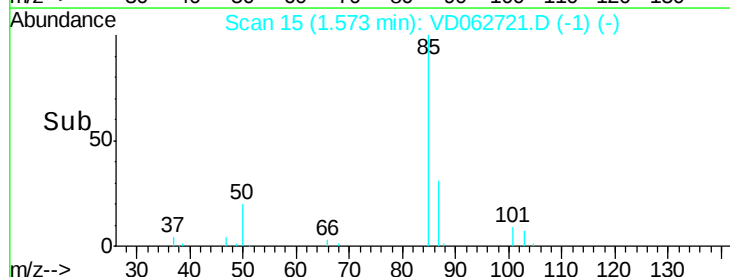
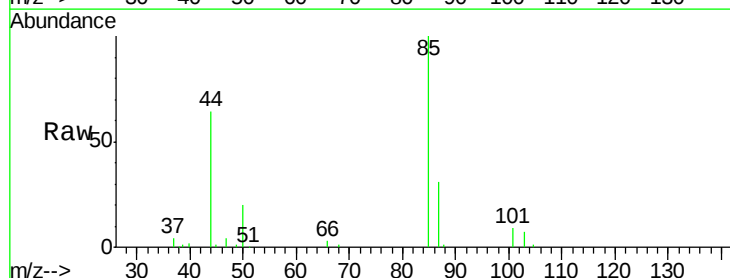
Acq: 17 Jun 2019 12:45

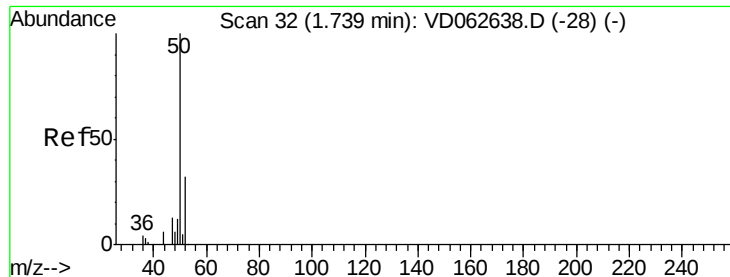
Tgt Ion: 85 Resp: 197438

Ion Ratio Lower Upper

85 100

87 31.0 16.6 49.7





#3

Chloromethane

Concen: 20.995 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

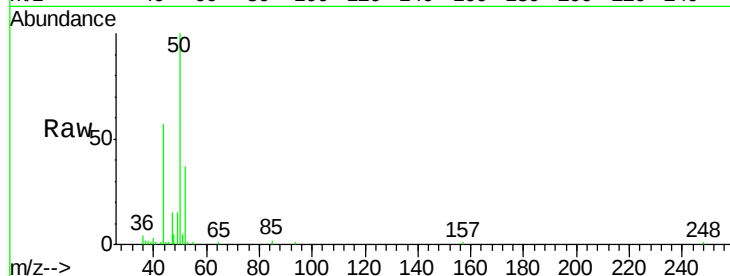
VD0617SBSD01

Tot Ion: 50 Resp: 161094

Ion Ratio Lower Upper

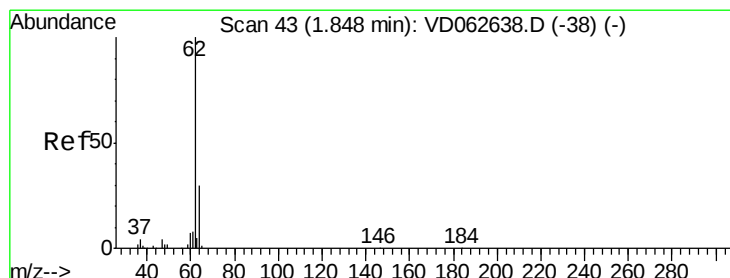
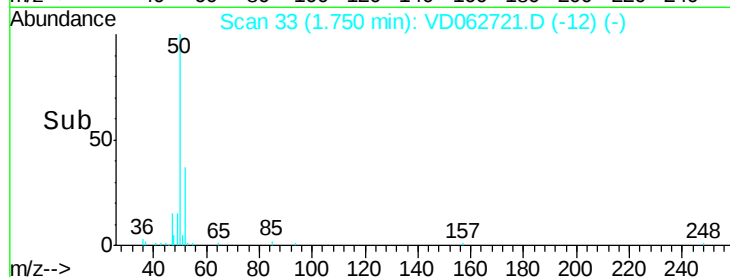
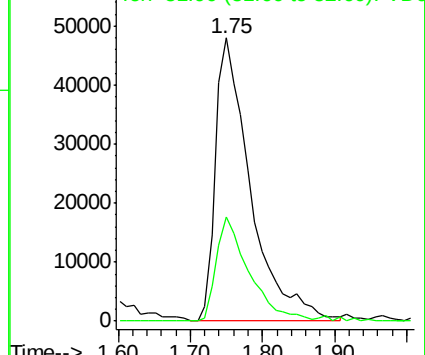
50 100

52 36.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.759 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062721.D

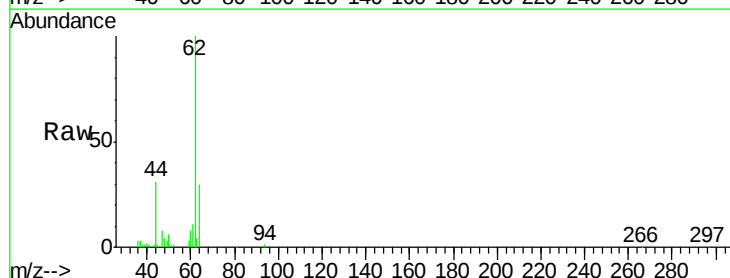
Acq: 17 Jun 2019 12:45

Tgt Ion: 62 Resp: 164251

Ion Ratio Lower Upper

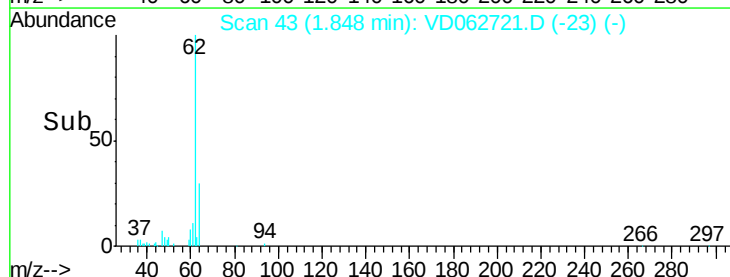
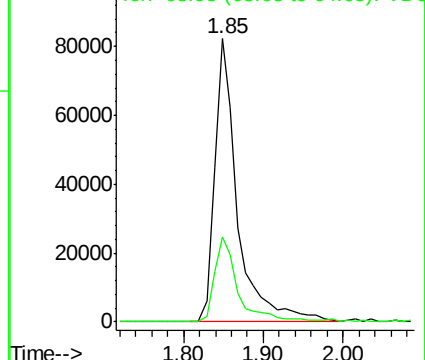
62 100

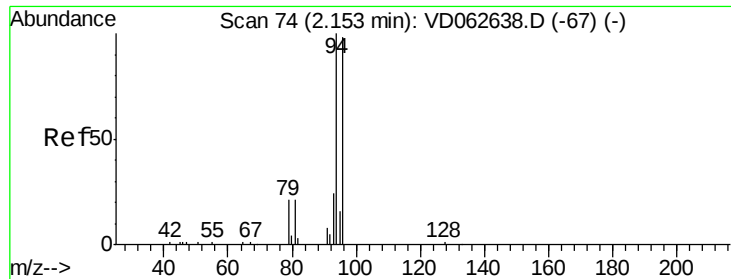
64 30.2 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.496 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

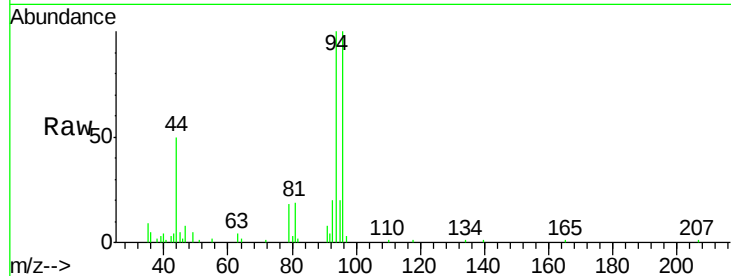
Tot Ion: 94 Resp: 65883

Ion Ratio Lower Upper

94 100

96 99.6 78.1 117.1

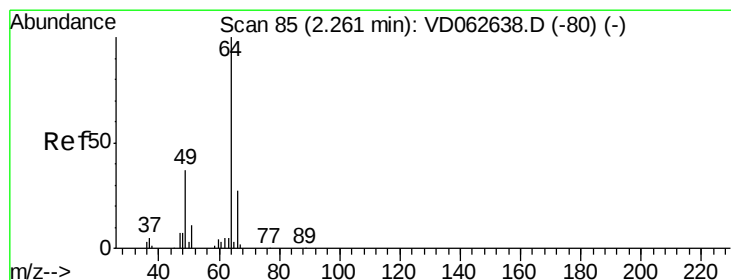
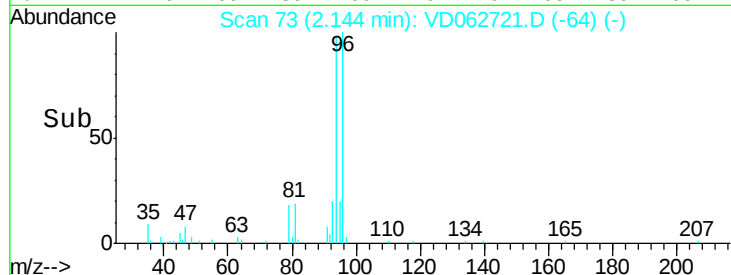
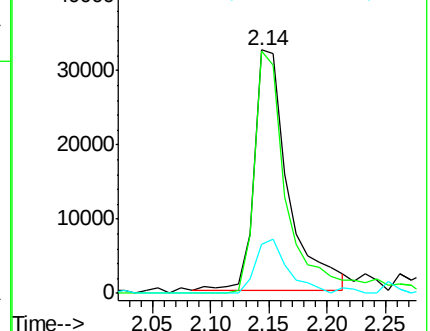
93 20.4 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.086 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062721.D

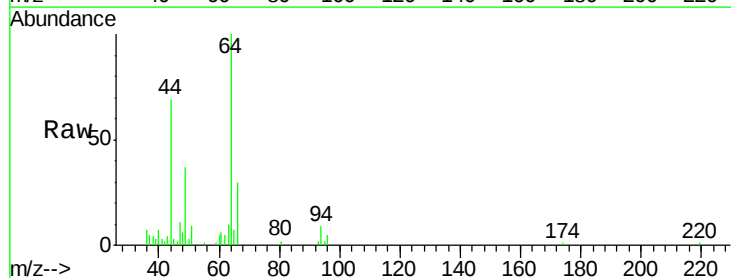
Acq: 17 Jun 2019 12:45

Tgt Ion: 64 Resp: 70650

Ion Ratio Lower Upper

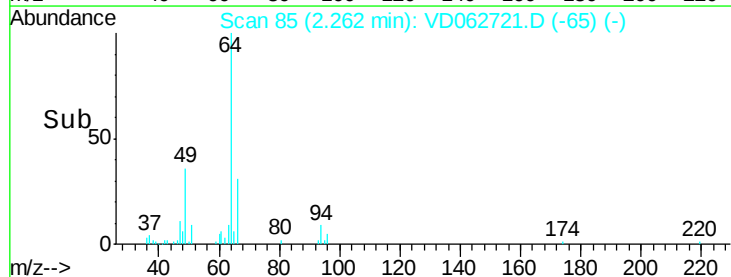
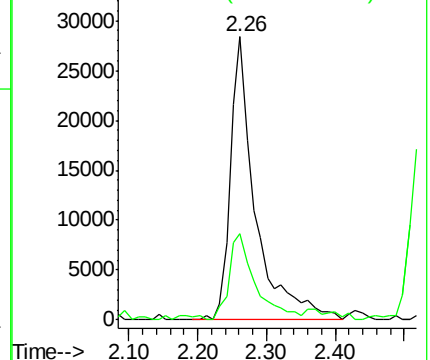
64 100

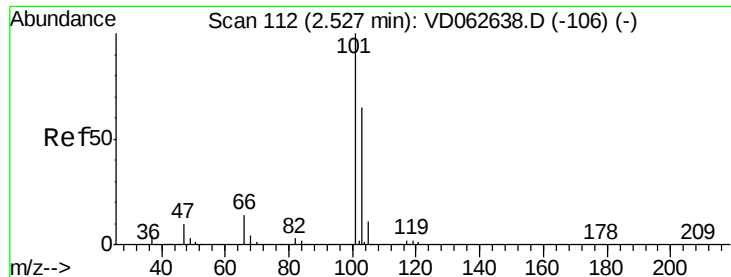
66 30.4 21.9 32.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



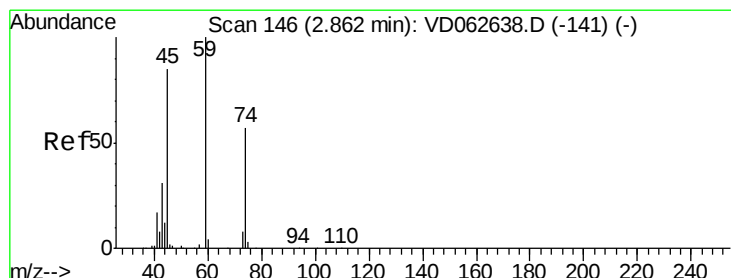
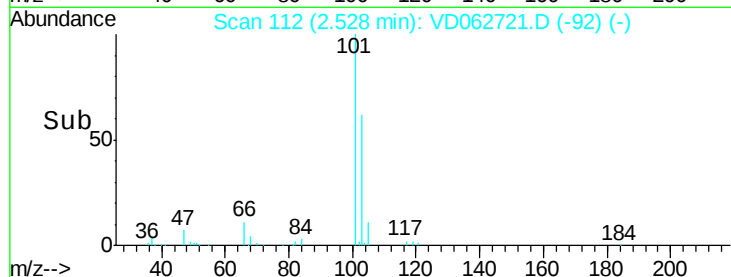
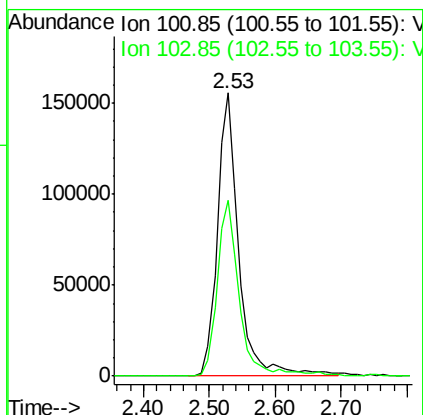
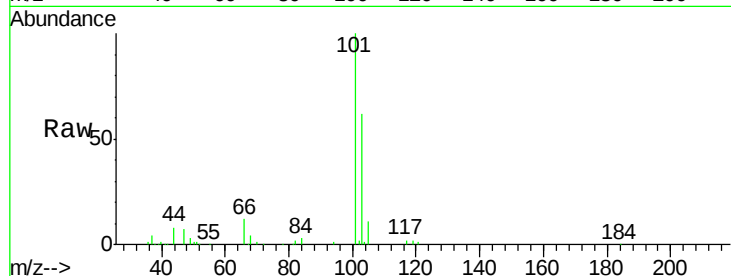


#7

Trichlorofluoromethane
 Concen: 19.707 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

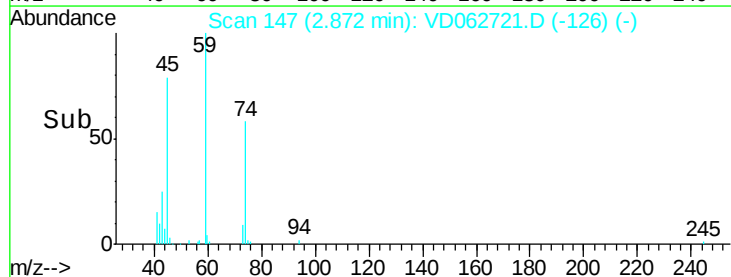
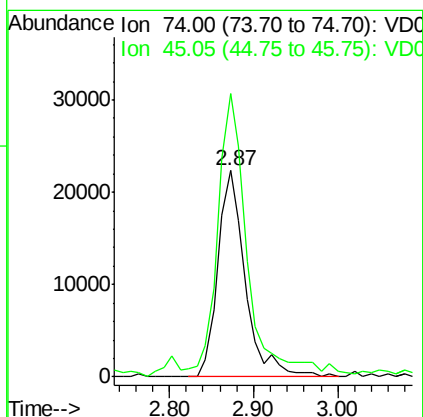
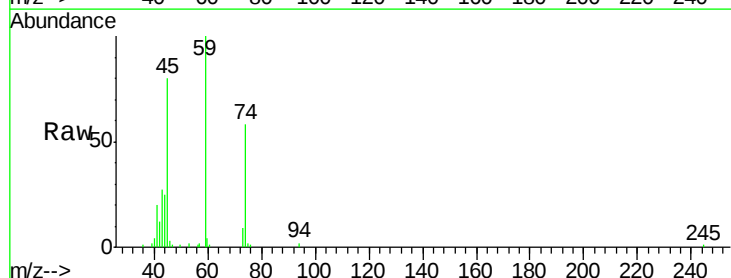
Tot Ion:101 Resp: 349009
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.2 78.2

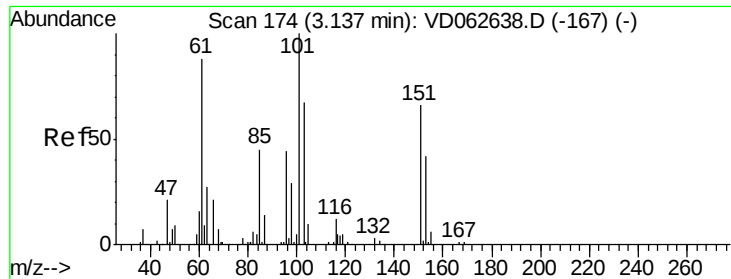


#8

Diethyl Ether
 Concen: 21.006 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion: 74 Resp: 50597
 Ion Ratio Lower Upper
 74 100
 45 137.2 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.785 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

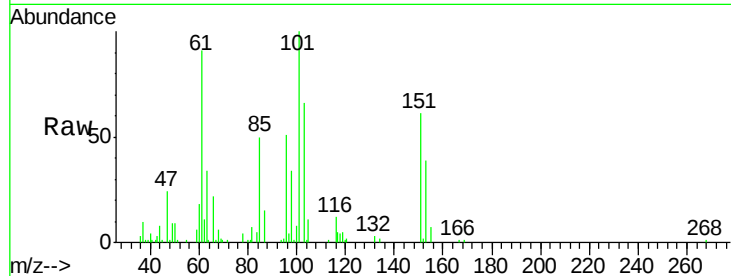
Tot Ion:101 Resp: 179420

Ion Ratio Lower Upper

101 100

85 49.8 36.0 54.0

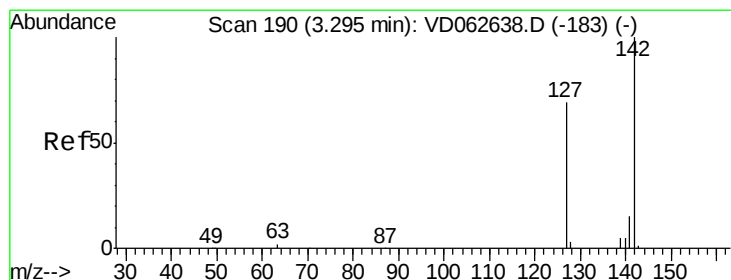
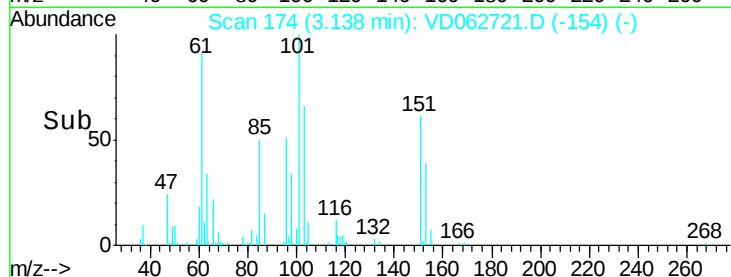
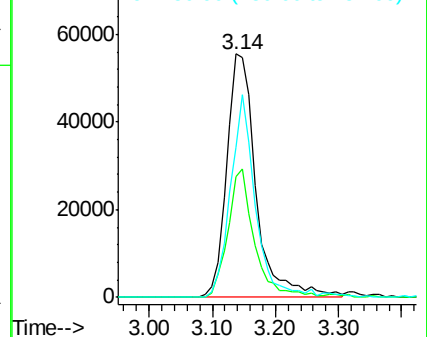
151 61.5 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.728 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

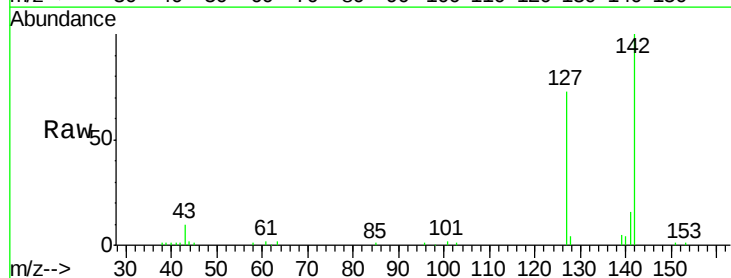
Tgt Ion:142 Resp: 221870

Ion Ratio Lower Upper

142 100

127 72.9 55.2 82.8

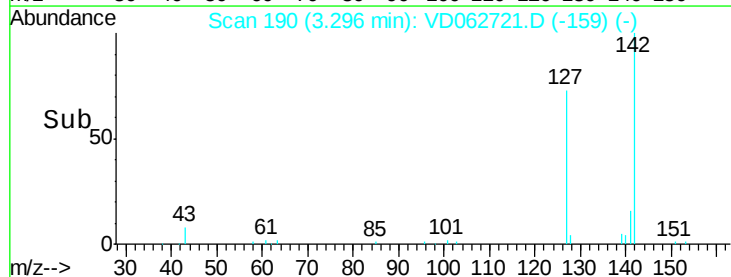
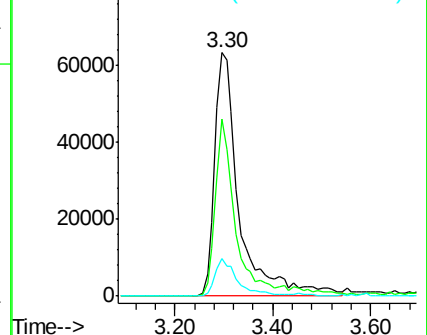
141 15.6 12.1 18.1

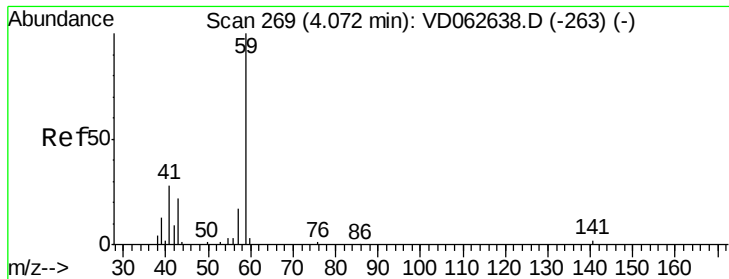


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



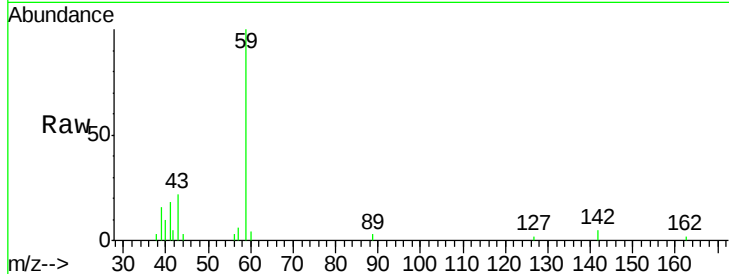


#11

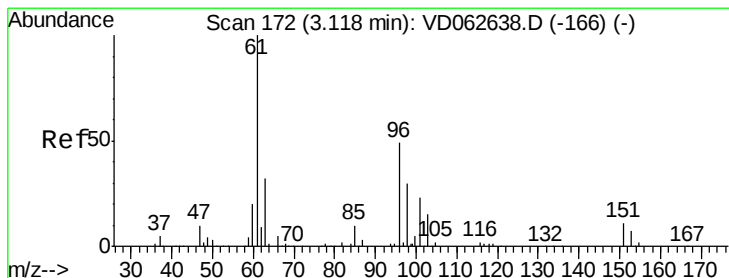
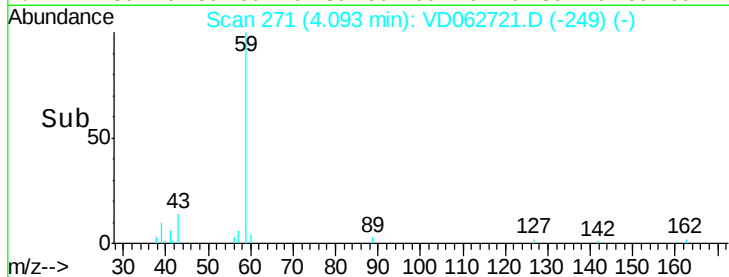
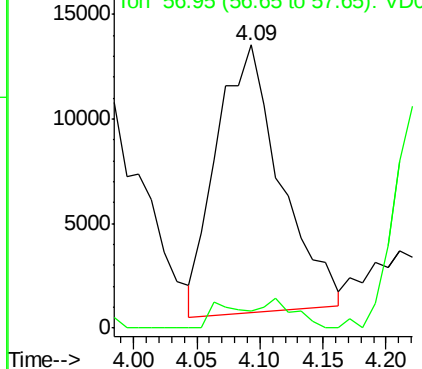
Tert butyl alcohol
 Concen: 97.924 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.02 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

Tot Ion: 59 Resp: 45042
 Ion Ratio Lower Upper
 59 100
 57 5.9 13.7 20.5#



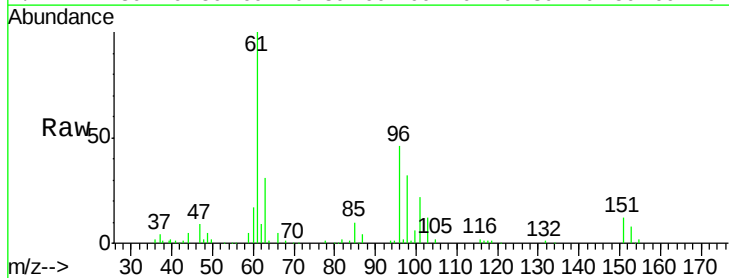
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



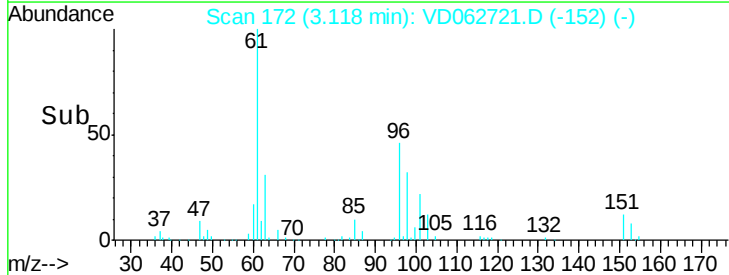
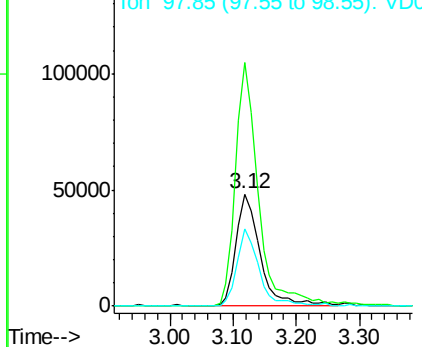
#12

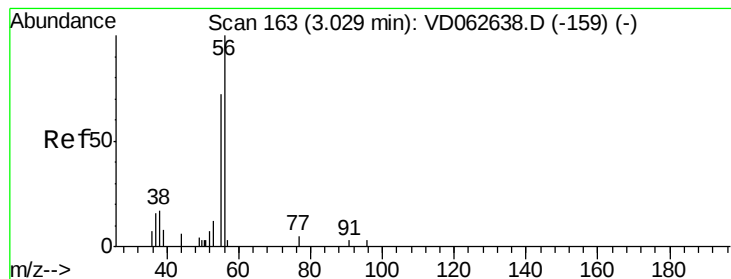
1,1-Dichloroethene
 Concen: 18.765 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion: 96 Resp: 128616
 Ion Ratio Lower Upper
 96 100
 61 217.4 161.8 242.8
 98 68.9 48.2 72.4



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





#13

Acrolein

Concen: 84.868 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

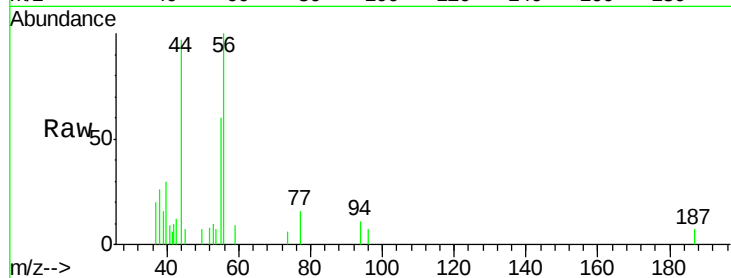
VD0617SBSD01

Tot Ion: 56 Resp: 12557

Ion Ratio Lower Upper

56 100

55 60.3 59.4 89.0

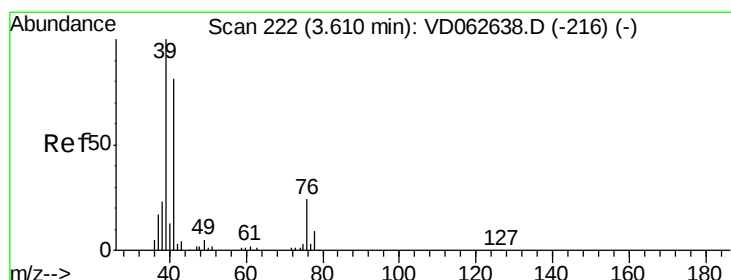
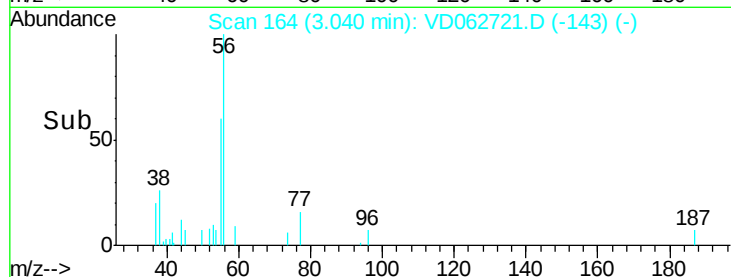


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

Time-->



#14

Allyl chloride

Concen: 20.003 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

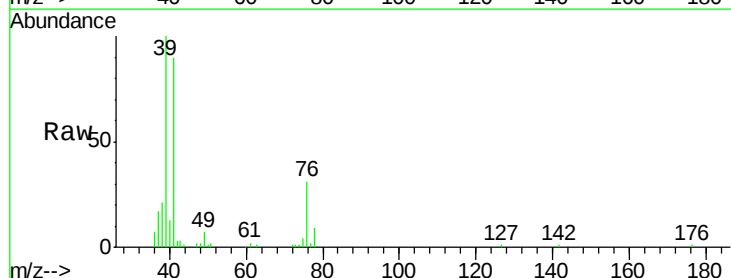
Tgt Ion: 41 Resp: 210808

Ion Ratio Lower Upper

41 100

39 110.9 99.1 148.7

76 34.5 25.0 37.6



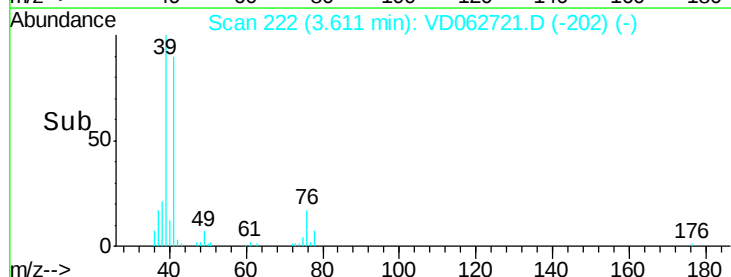
Abundance Ion 41.05 (40.75 to 41.75): VDC

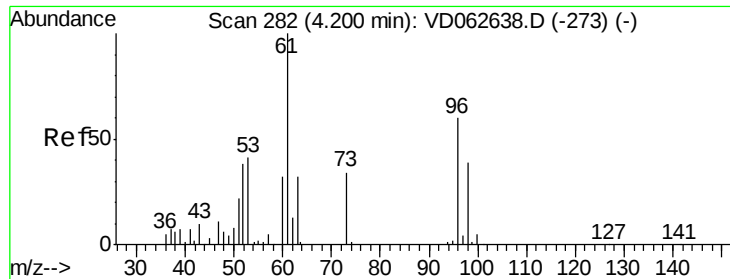
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.61

Time-->

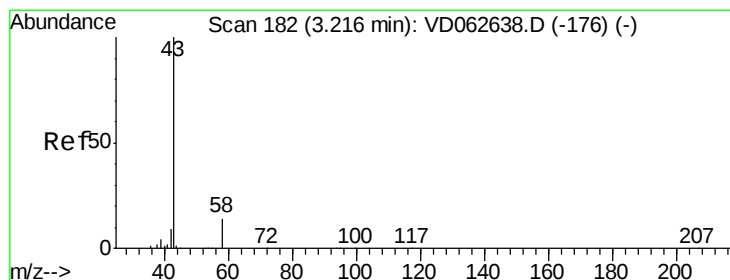
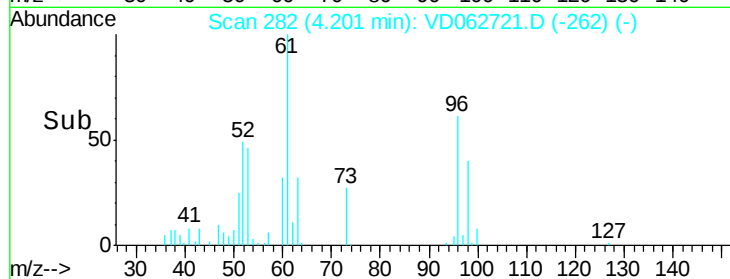
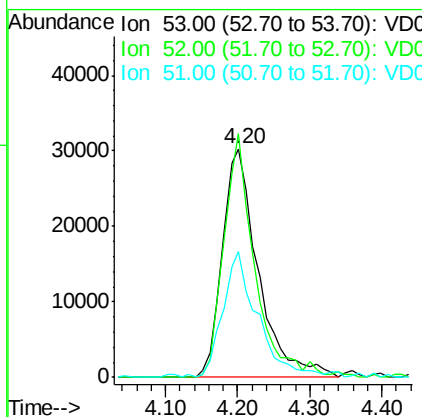
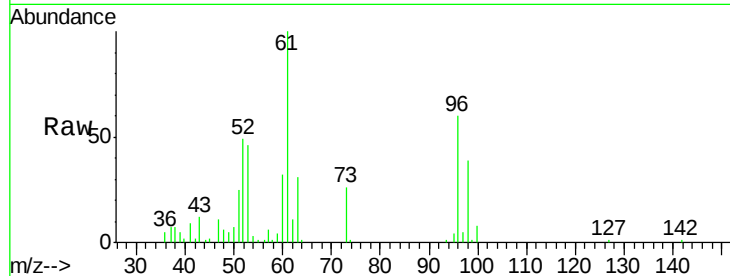




#15
 Acrylonitrile
 Concen: 99.755 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

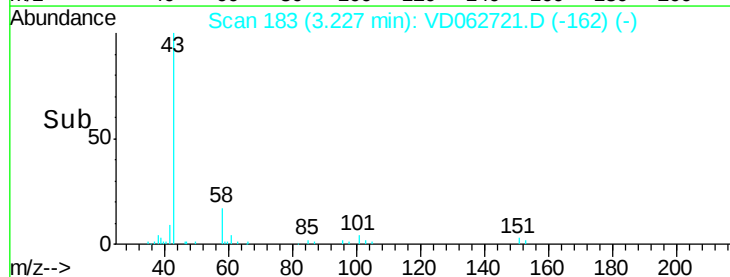
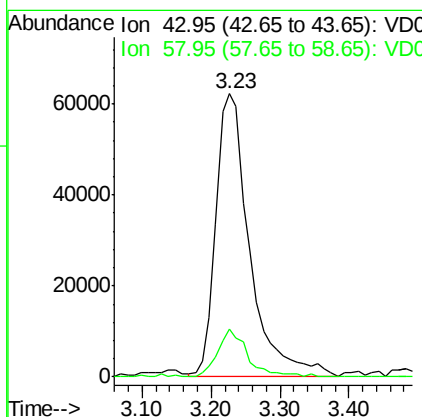
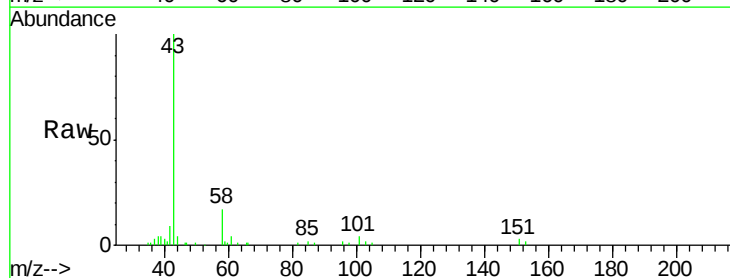
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0617SBSD01

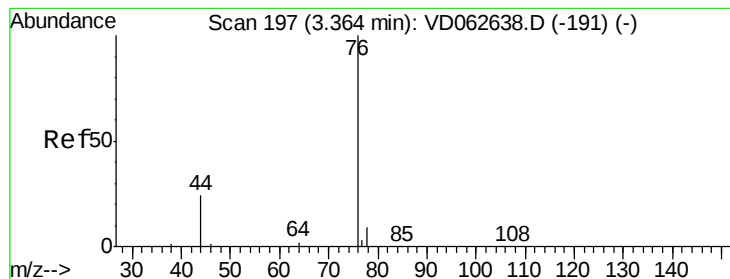
Tot Ion: 53 Resp: 104268
 Ion Ratio Lower Upper
 53 100
 52 106.4 73.6 110.4
 51 55.0 42.0 63.0



#16
 Acetone
 Concen: 103.803 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion: 43 Resp: 212702
 Ion Ratio Lower Upper
 43 100
 58 16.9 10.8 16.2#





#17

Carbon Disulfide

Concen: 18.409 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

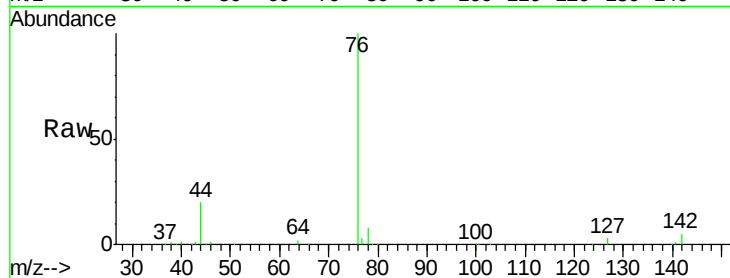
VD0617SBSD01

Tot Ion: 76 Resp: 371835

Ion Ratio Lower Upper

76 100

78 7.6 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

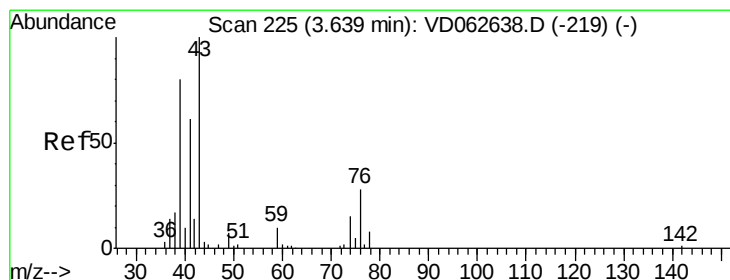
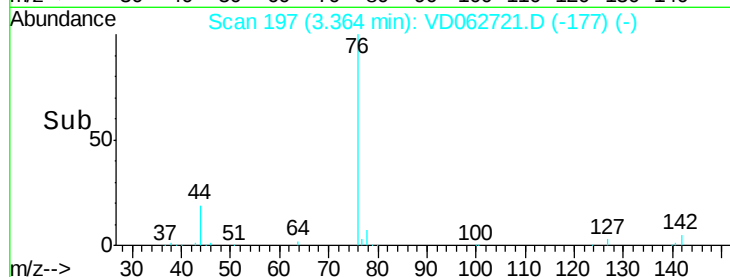
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.574 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062721.D

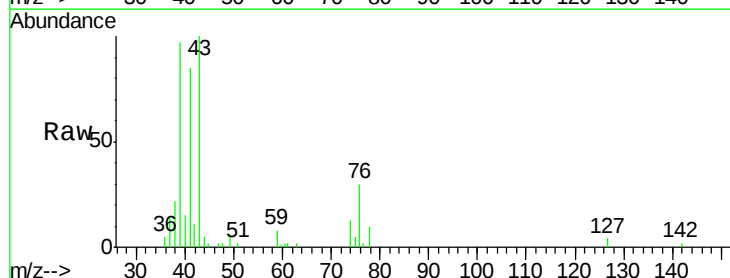
Acq: 17 Jun 2019 12:45

Tgt Ion: 43 Resp: 69285

Ion Ratio Lower Upper

43 100

74 13.3 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

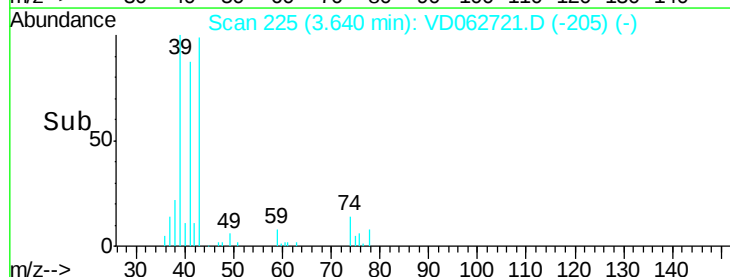
30000

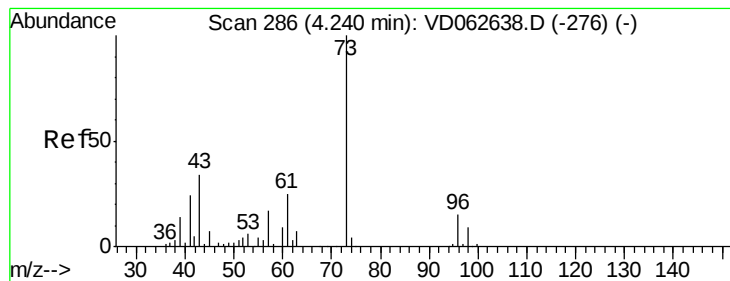
20000

10000

0

Time-->



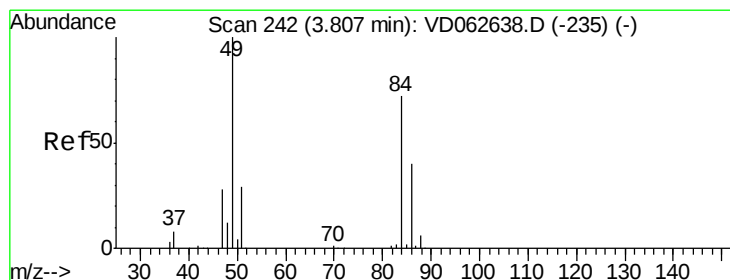
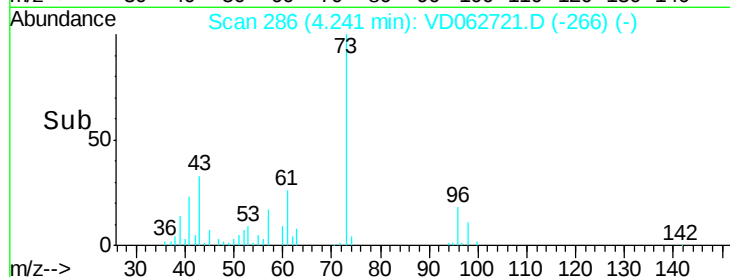
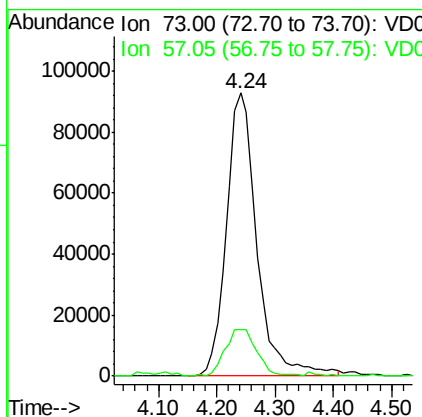
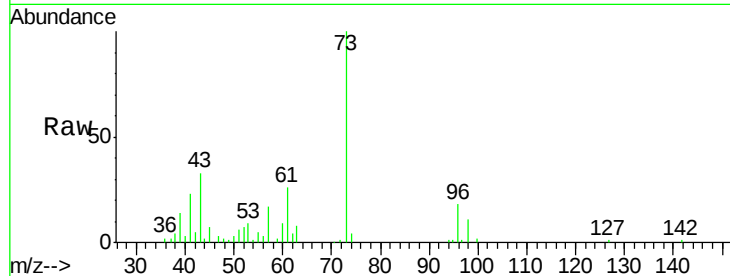


#19

Methyl tert-butyl Ether
 Concen: 20.102 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0617SBSD01

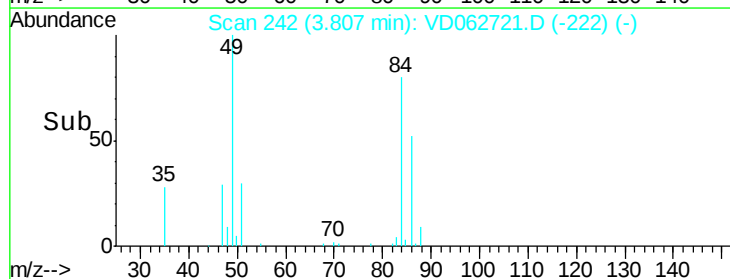
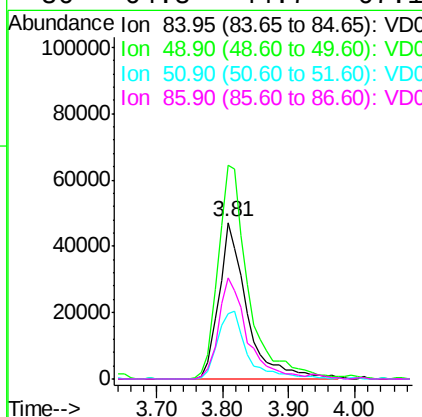
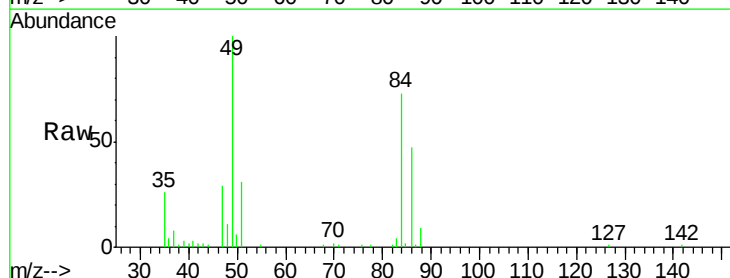
Tot Ion: 73 Resp: 336047
 Ion Ratio Lower Upper
 73 100
 57 16.5 13.5 20.3

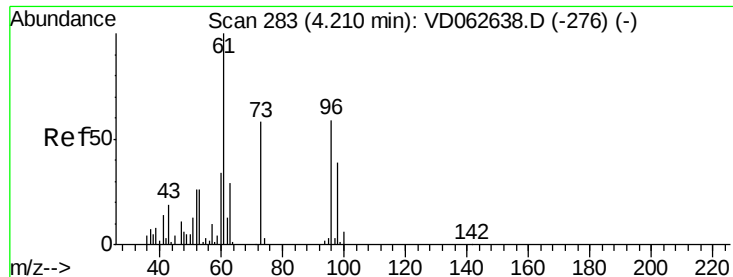


#20

Methylene Chloride
 Concen: 17.877 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion: 84 Resp: 140598
 Ion Ratio Lower Upper
 84 100
 49 136.6 111.2 166.8
 51 42.1 31.9 47.9
 86 64.8 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 19.564 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

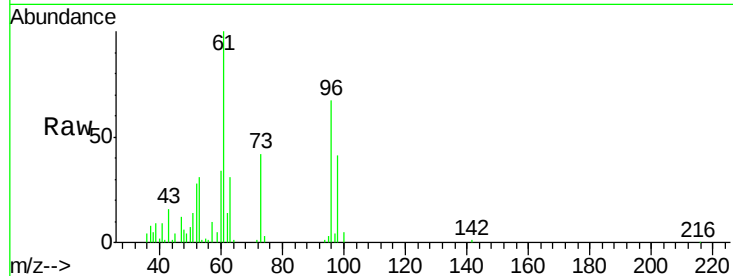
Tot Ion: 96 Resp: 147094

Ion Ratio Lower Upper

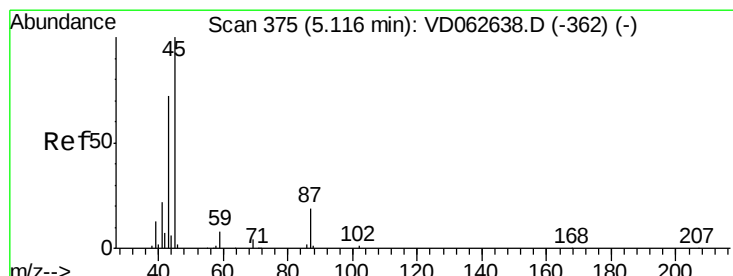
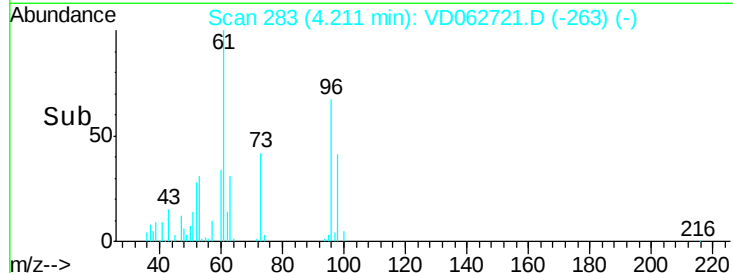
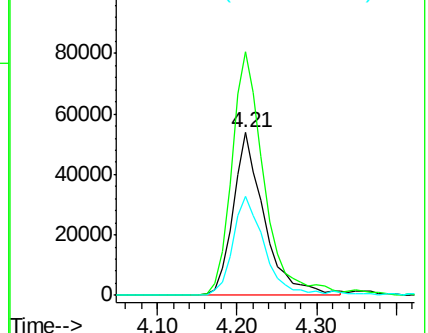
96 100

61 149.5 134.6 201.8

98 60.7 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.233 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Tgt Ion: 45 Resp: 420875

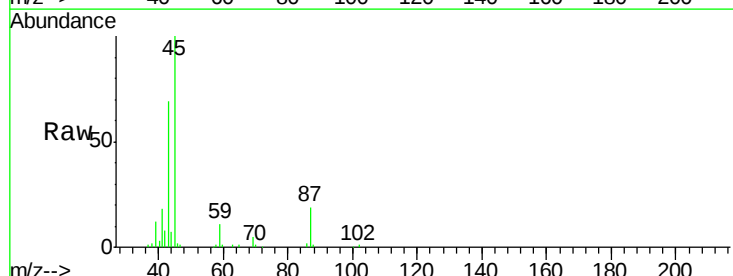
Ion Ratio Lower Upper

45 100

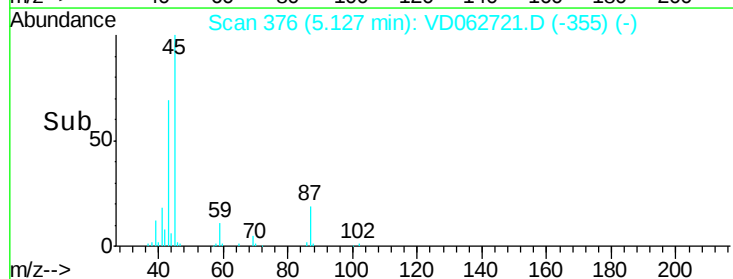
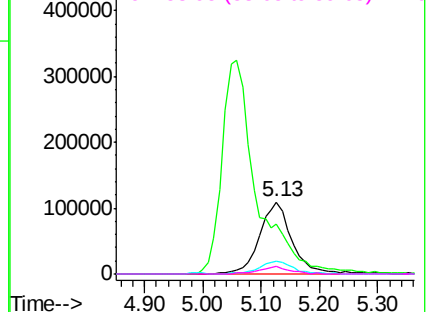
43 69.3 58.8 88.2

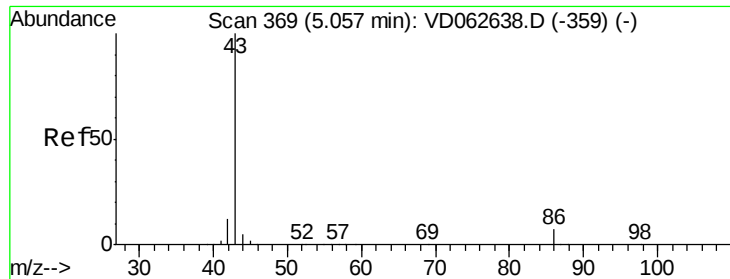
87 18.5 15.7 23.5

59 10.6 6.6 9.8#



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: 97.456 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleID :

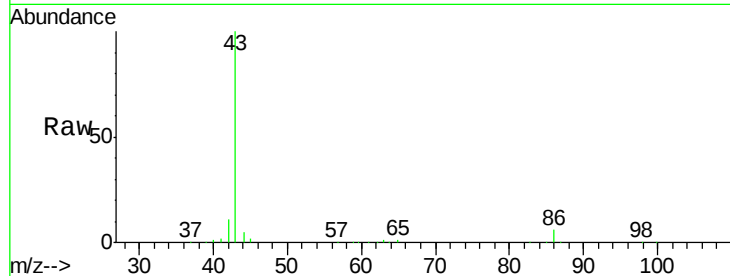
VD0617SBSD01

Tot Ion: 43 Resp: 1323044

Ion Ratio Lower Upper

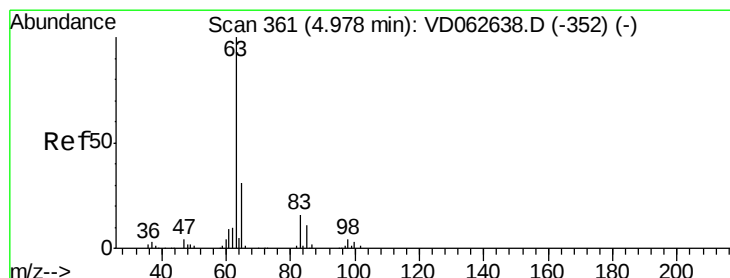
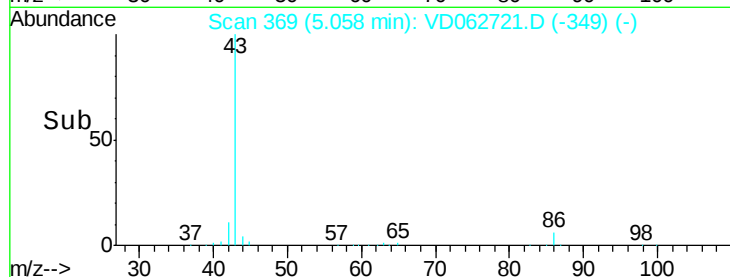
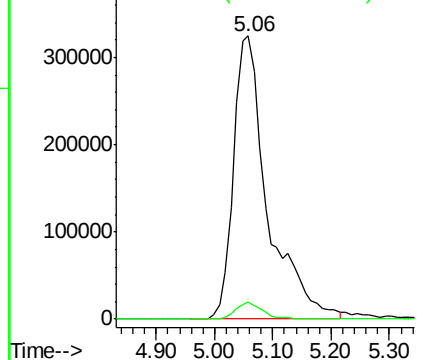
43 100

86 6.0 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.020 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

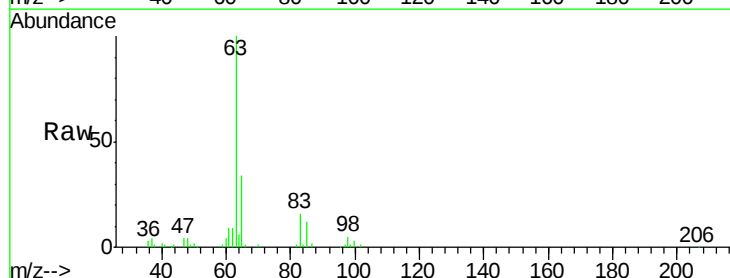
Tgt Ion: 63 Resp: 267765

Ion Ratio Lower Upper

63 100

98 5.1 1.8 5.4

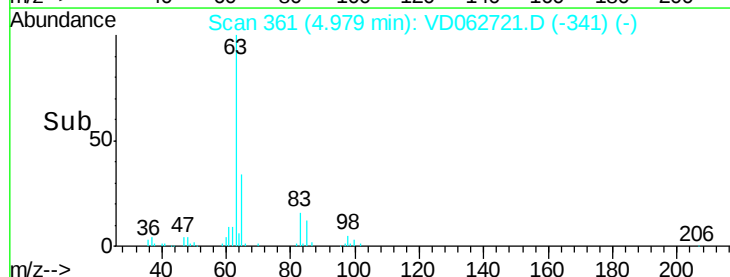
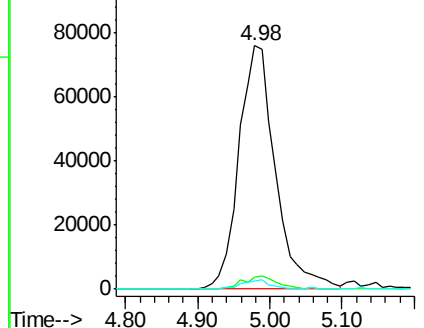
100 3.4 1.5 4.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.034 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

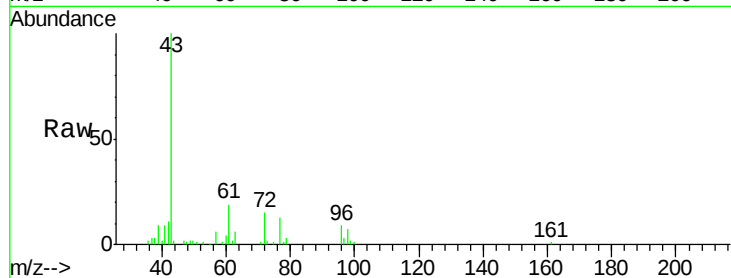
VD0617SBSD01

Tot Ion: 43 Resp: 193978

Ion Ratio Lower Upper

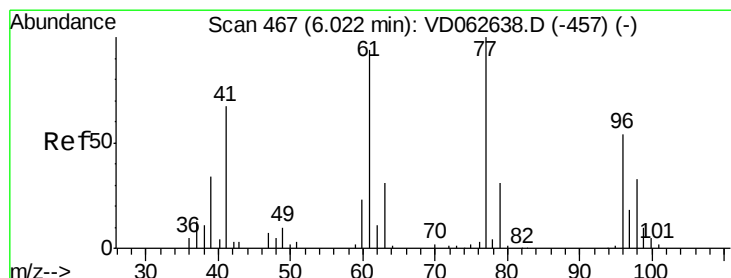
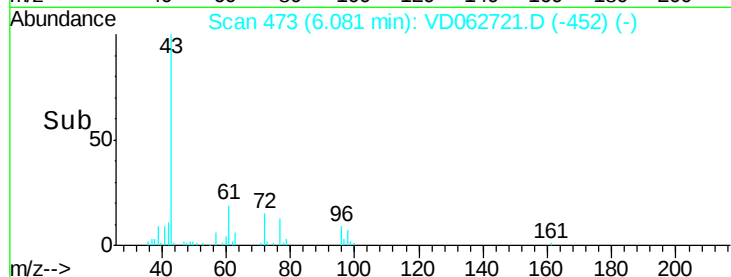
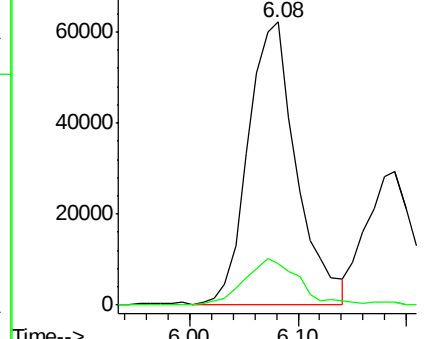
43 100

72 14.6 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.626 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062721.D

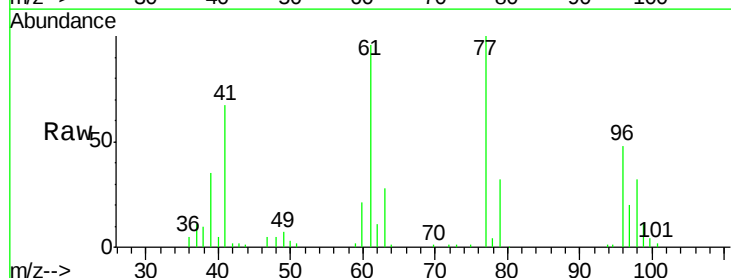
Acq: 17 Jun 2019 12:45

Tgt Ion: 77 Resp: 302198

Ion Ratio Lower Upper

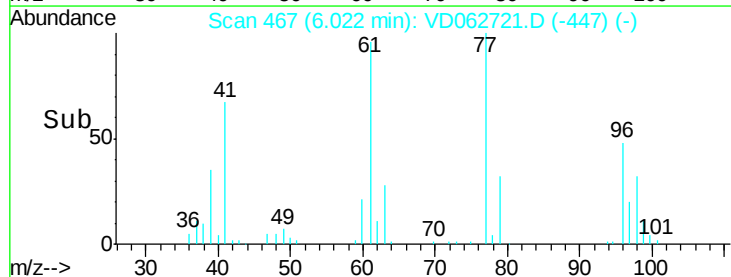
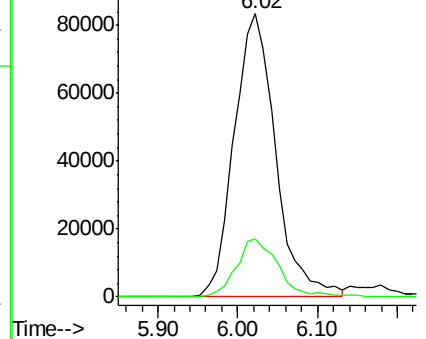
77 100

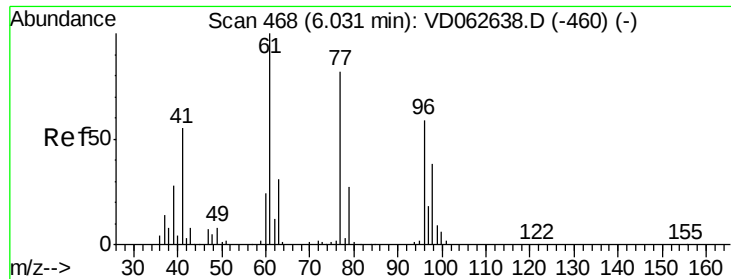
97 20.4 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



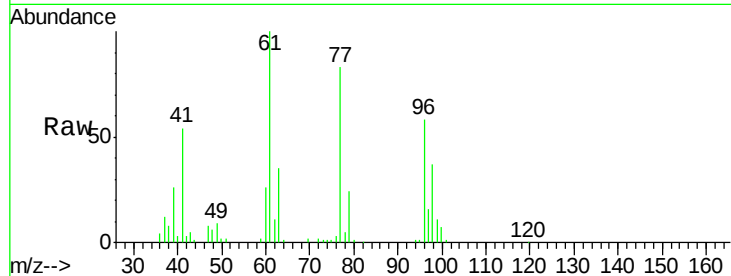


#27

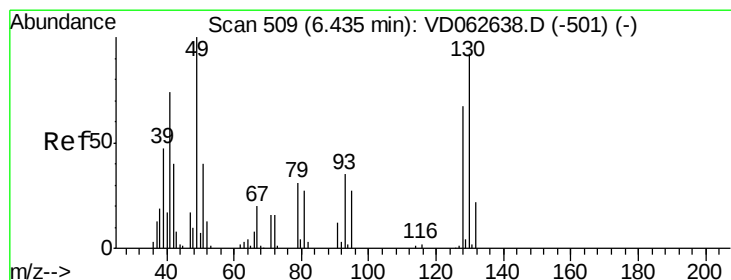
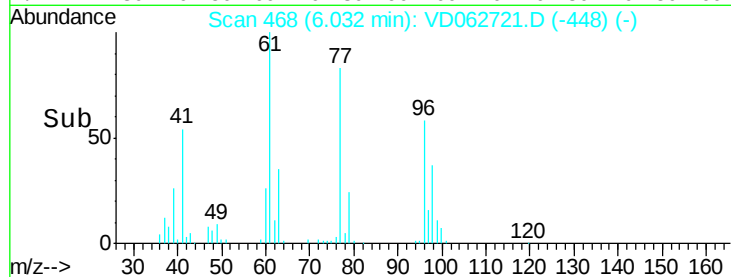
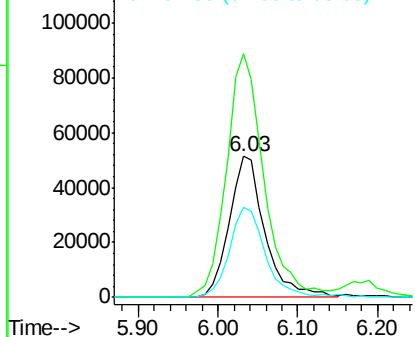
cis-1,2-Dichloroethene
Concen: 19.668 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

Tot Ion: 96 Resp: 160303
Ion Ratio Lower Upper
96 100
61 173.2 0.0 340.0
98 63.6 0.0 127.6



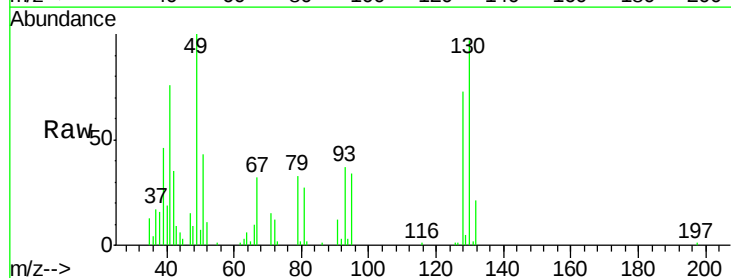
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



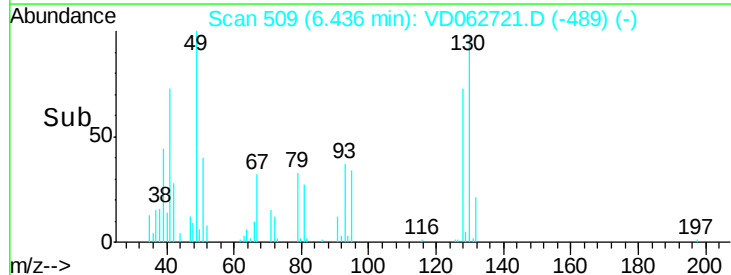
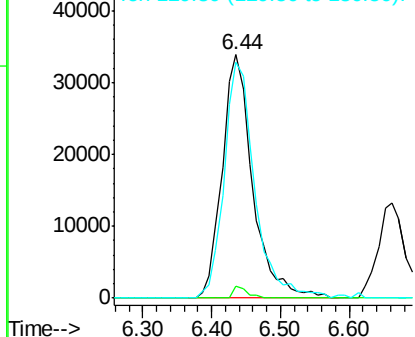
#28

Bromochloromethane
Concen: 19.287 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion: 49 Resp: 103791
Ion Ratio Lower Upper
49 100
129 4.8 0.0 8.2
130 96.8 73.4 110.0



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





#29

Tetrahydrofuran

Concen: 98.618 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

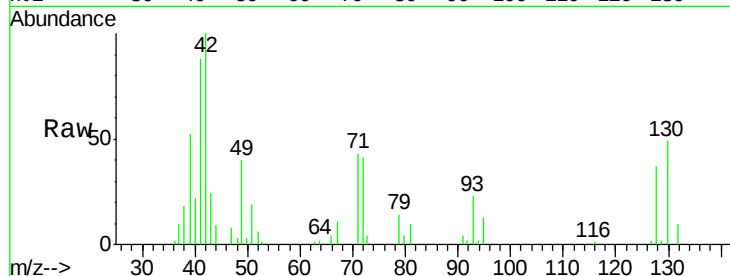
Tot Ion: 42 Resp: 88780

Ion Ratio Lower Upper

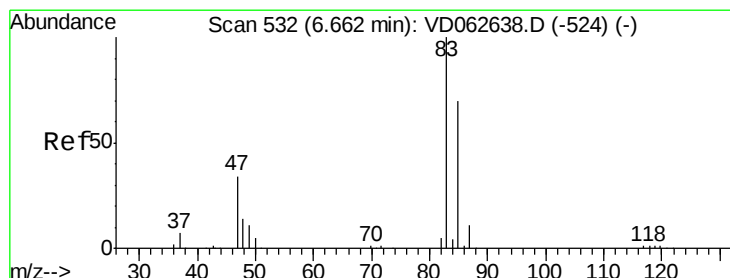
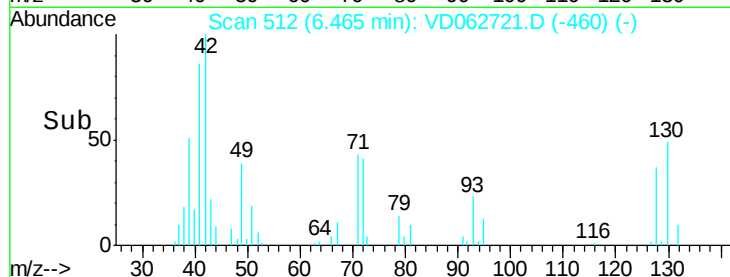
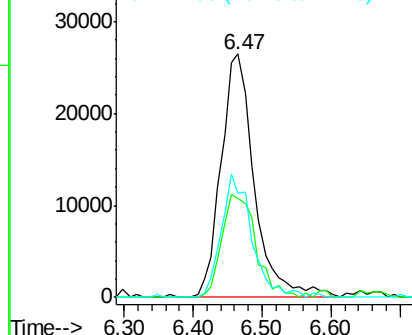
42 100

72 42.9 33.8 50.6

71 46.1 34.2 51.4



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: 19.954 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD062721.D

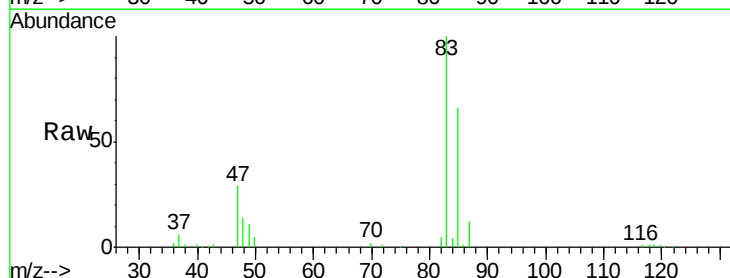
Acq: 17 Jun 2019 12:45

Tgt Ion: 83 Resp: 360406

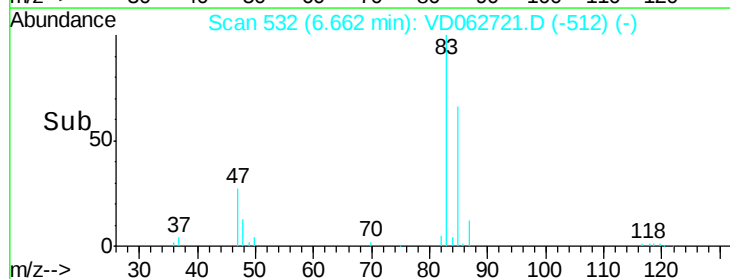
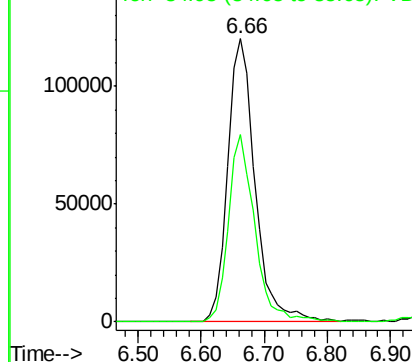
Ion Ratio Lower Upper

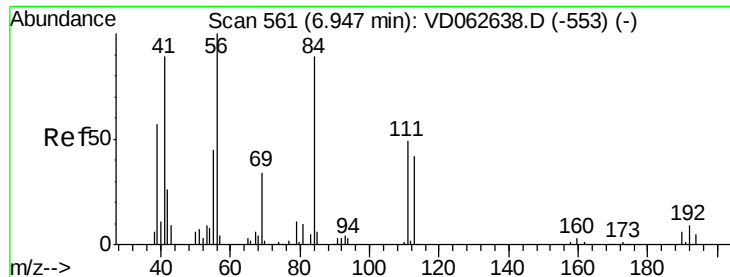
83 100

85 66.3 55.8 83.6



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

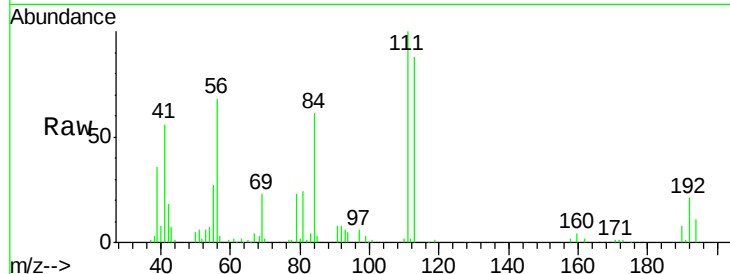




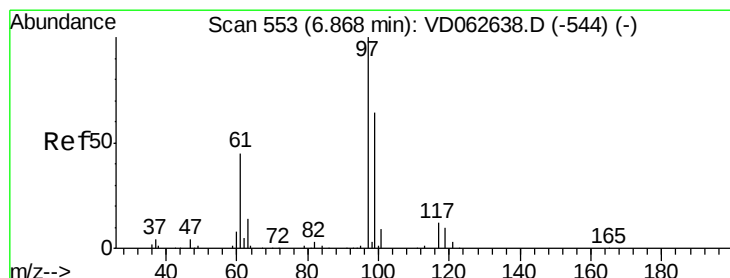
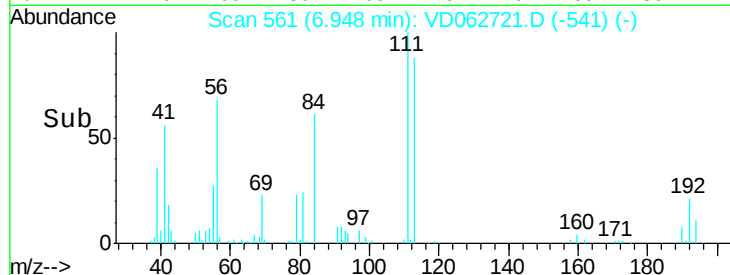
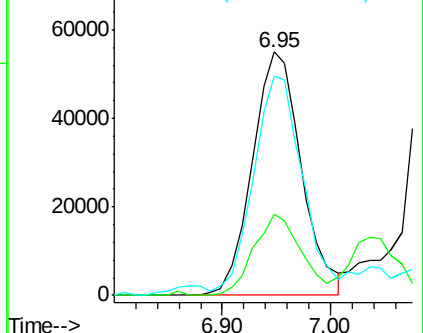
#31
Cyclohexane
Concen: 19.672 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

Tot Ion: 56 Resp: 173721
Ion Ratio Lower Upper
56 100
69 35.4 26.8 40.2
84 90.1 73.9 110.9

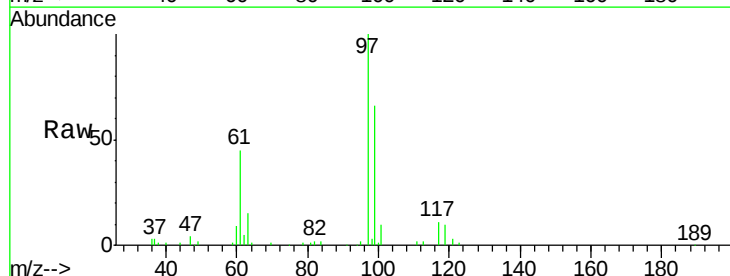


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

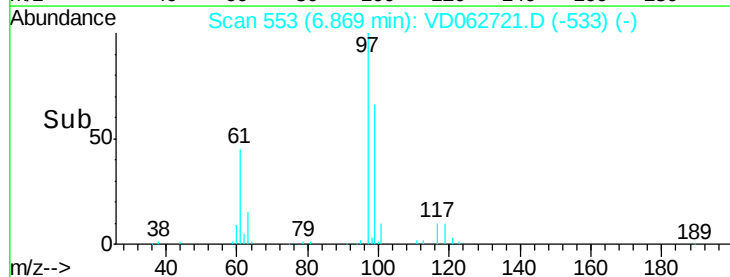
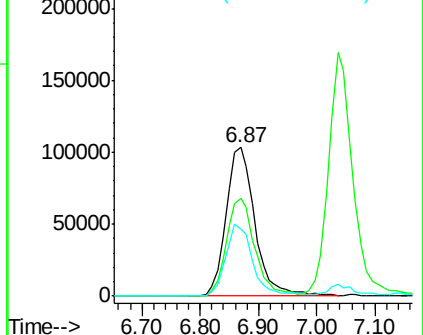


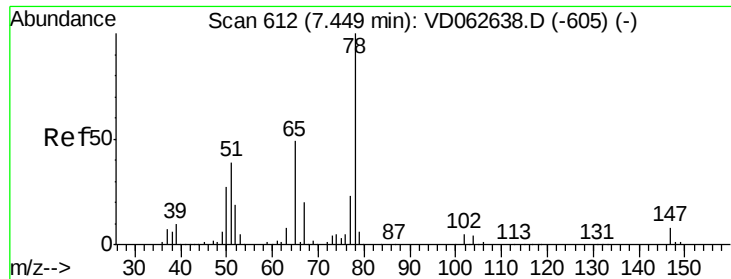
#32
1,1,1-Trichloroethane
Concen: 19.724 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion: 97 Resp: 354502
Ion Ratio Lower Upper
97 100
99 66.0 51.4 77.0
61 45.2 35.6 53.4



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





#33

1,2-Dichloroethane-d4

Concen: 50.100 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

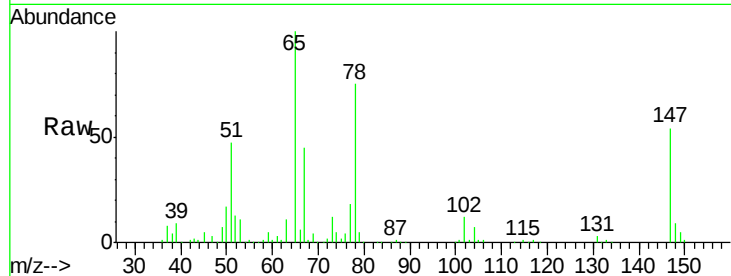
VD0617SBSD01

Tot Ion: 65 Resp: 560630

Ion Ratio Lower Upper

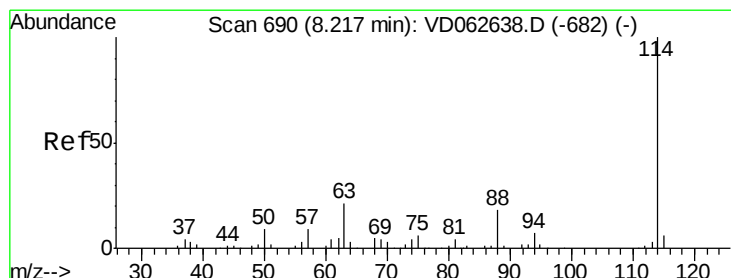
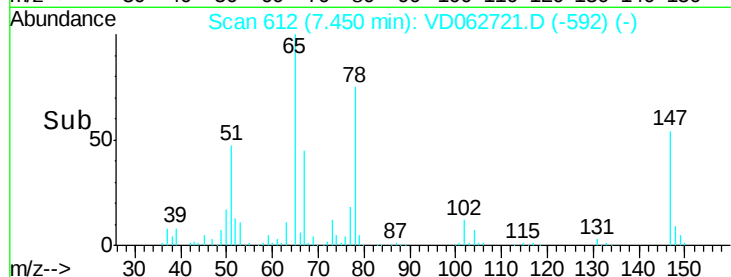
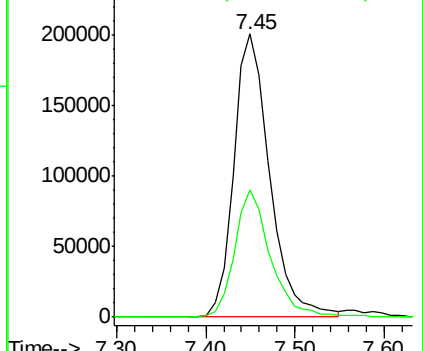
65 100

67 45.0 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

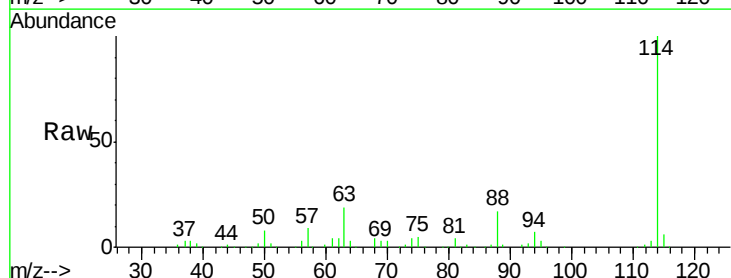
Tgt Ion: 114 Resp: 1020765

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

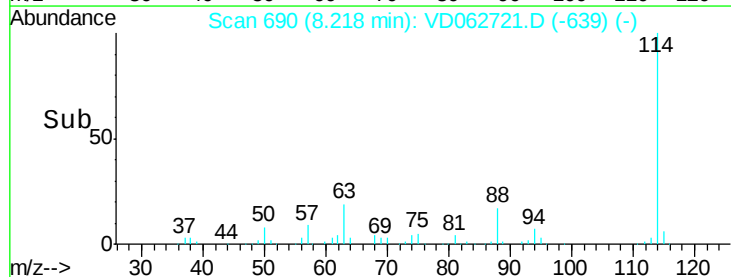
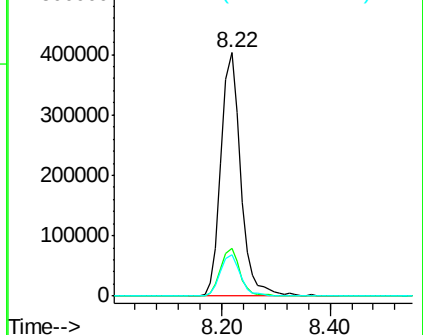
88 16.9 0.0 36.8

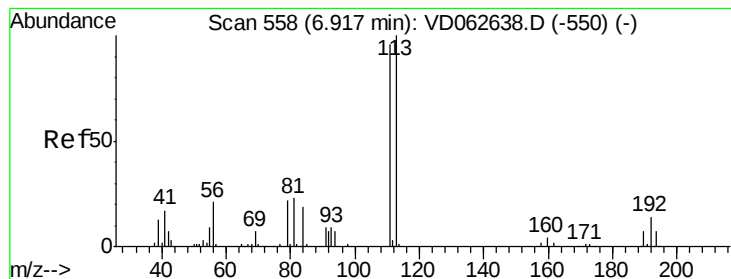


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 54.188 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

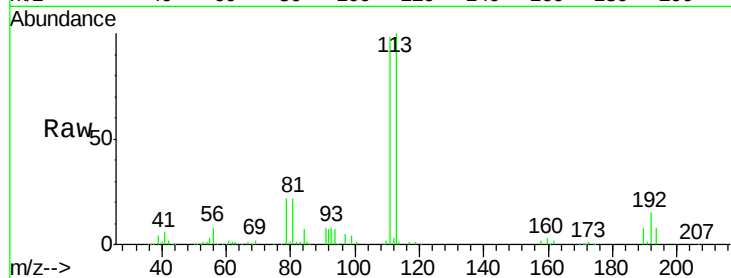
Tot Ion:113 Resp: 583352

Ion Ratio Lower Upper

113 100

111 97.8 76.4 114.6

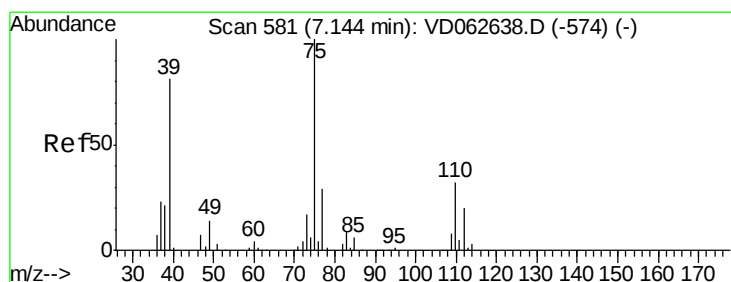
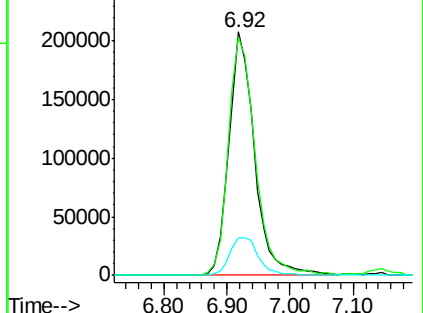
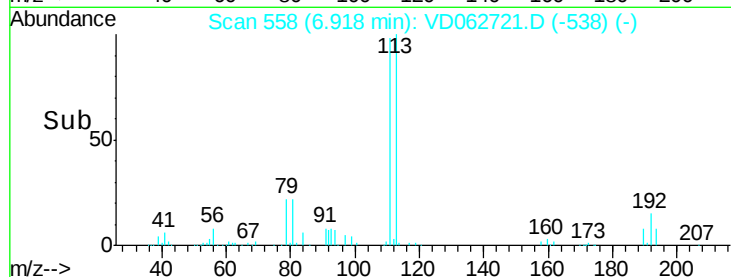
192 15.4 11.4 17.0



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: 18.851 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

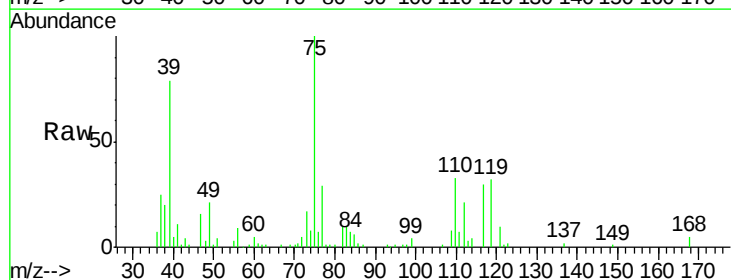
Tgt Ion: 75 Resp: 220228

Ion Ratio Lower Upper

75 100

110 32.6 15.9 47.7

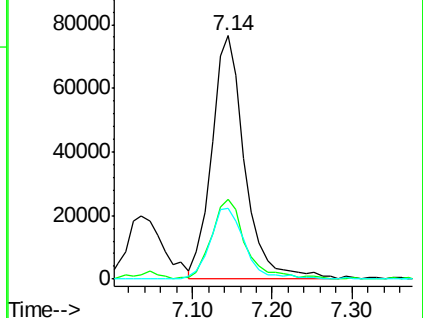
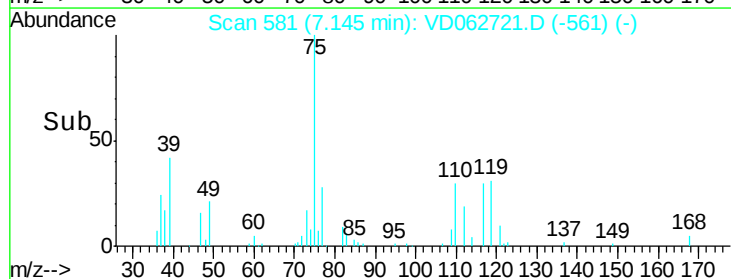
77 29.3 23.3 34.9

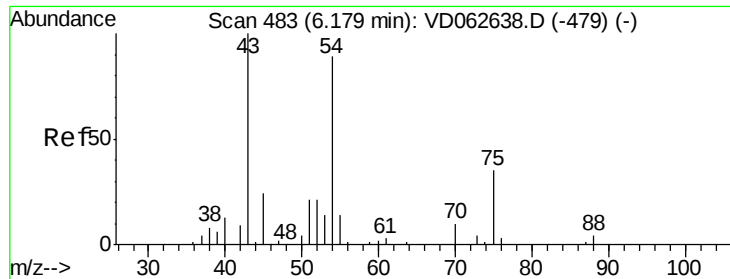


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

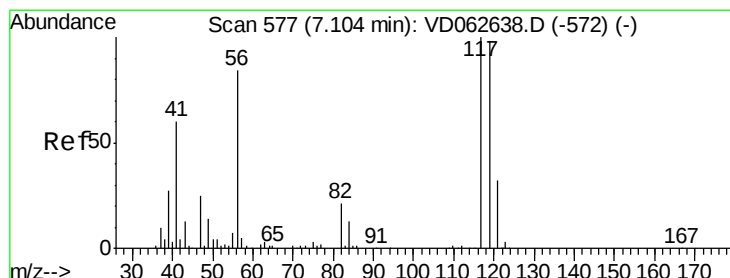
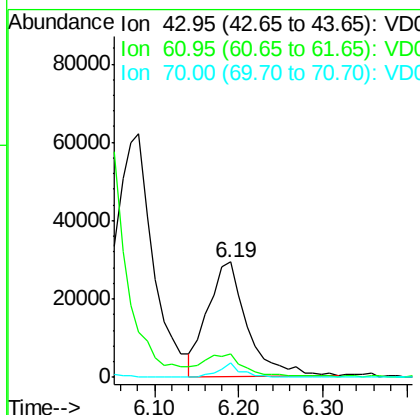
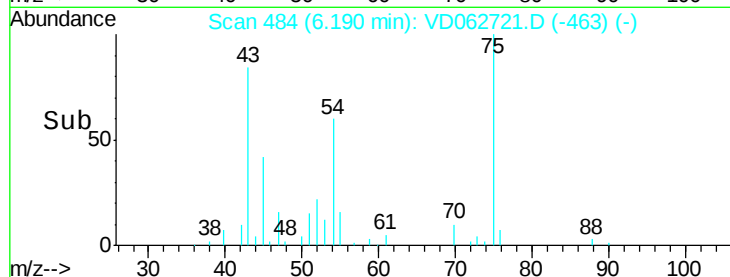
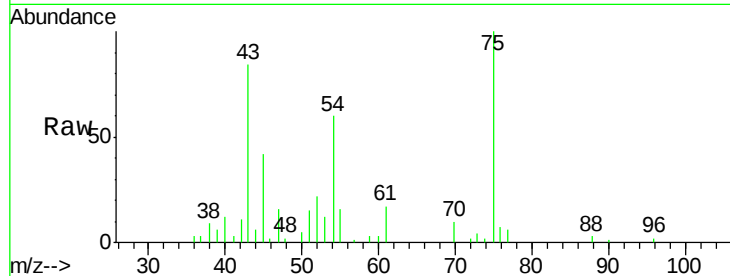




#37
Ethyl Acetate
Concen: 19.897 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

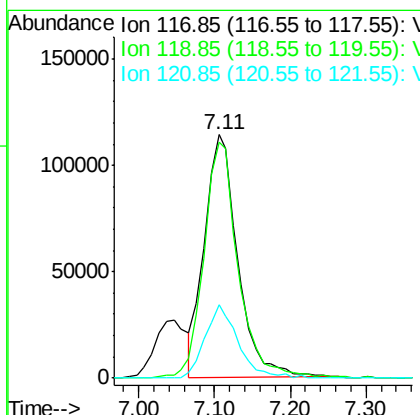
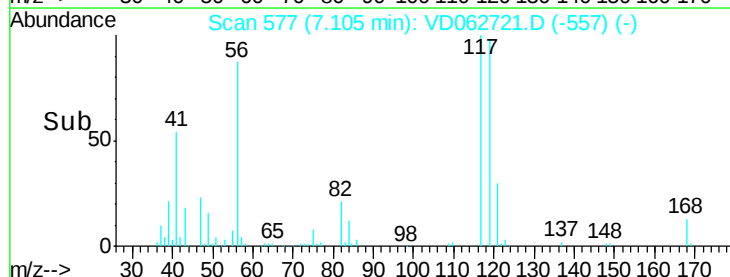
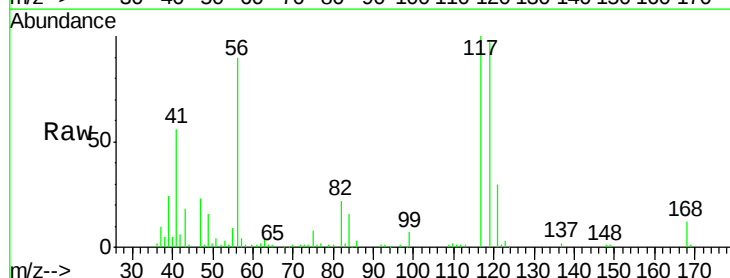
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

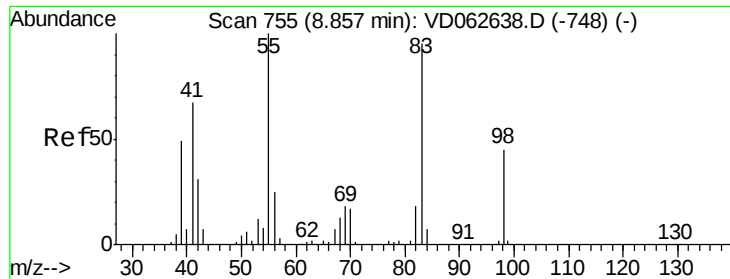
Tot Ion: 43 Resp: 95422
Ion Ratio Lower Upper
43 100
61 20.6 8.7 13.1#
70 12.3 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 18.963 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion: 117 Resp: 350170
Ion Ratio Lower Upper
117 100
119 96.7 73.5 110.3
121 30.0 24.2 36.4

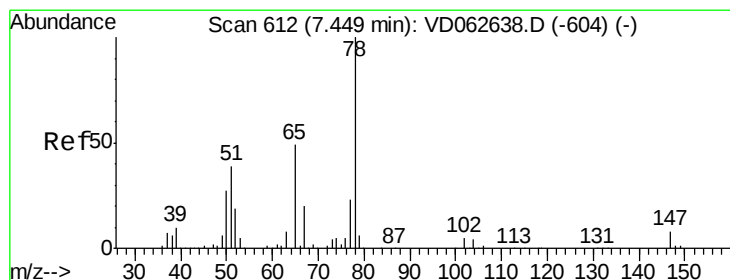
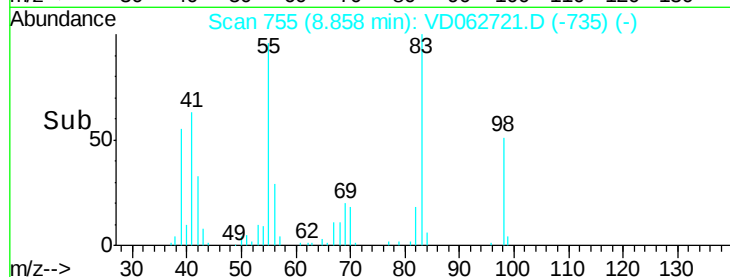
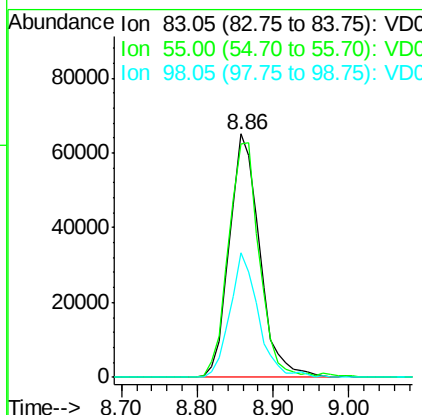
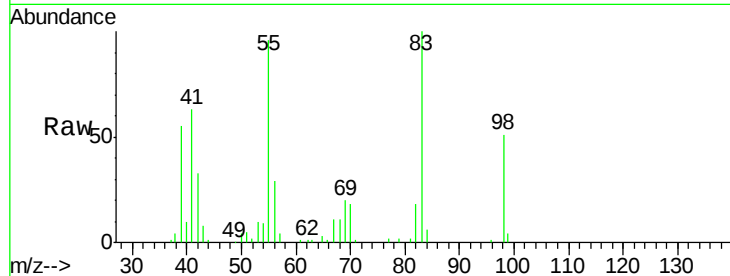




#39
Methvlcvclohexane
Concen: 19.048 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

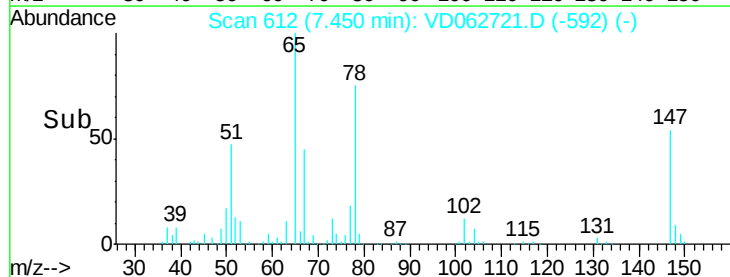
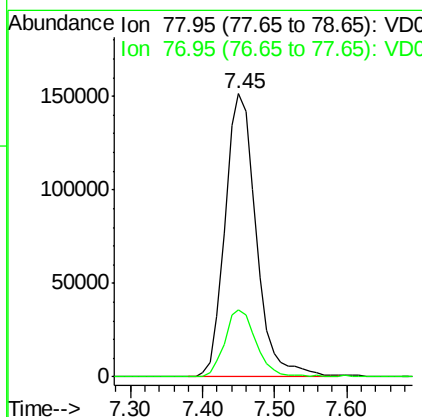
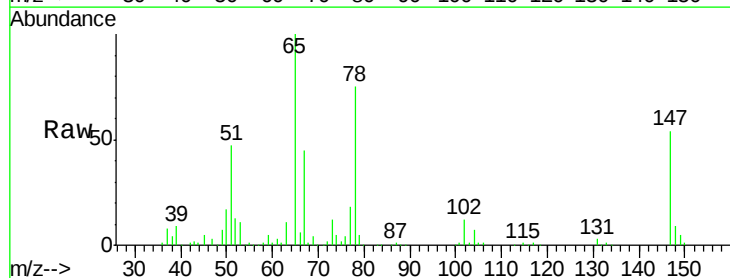
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

Tot Ion: 83 Resp: 179827
Ion Ratio Lower Upper
83 100
55 95.7 84.6 127.0
98 51.0 38.2 57.4



#40
Benzene
Concen: 19.935 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion: 78 Resp: 454824
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

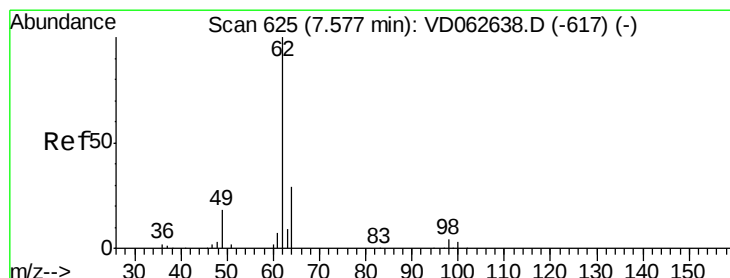
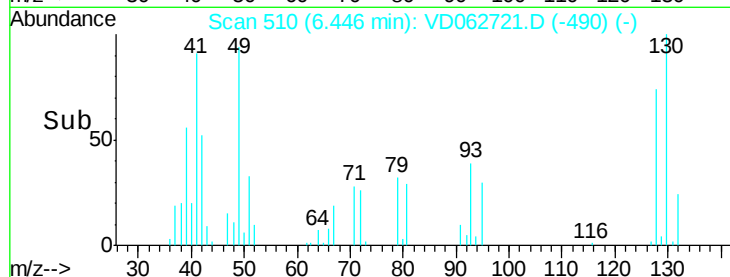
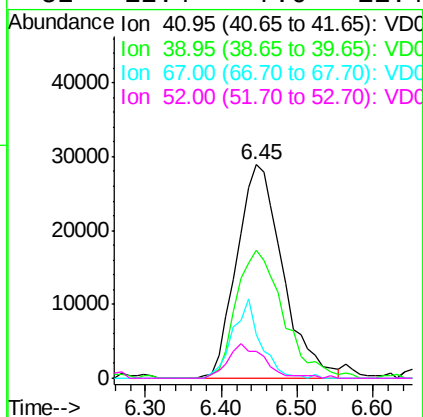
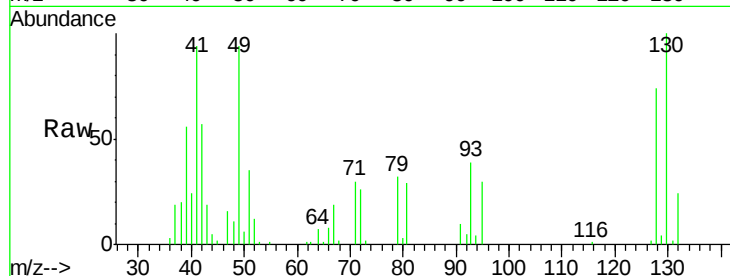




#41
Methacrylonitrile
Concen: 19.904 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

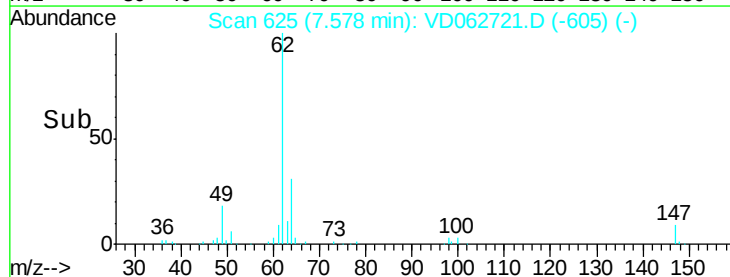
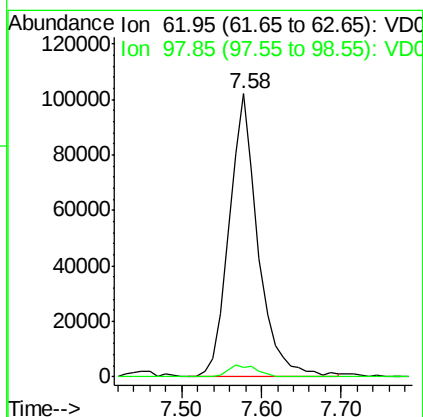
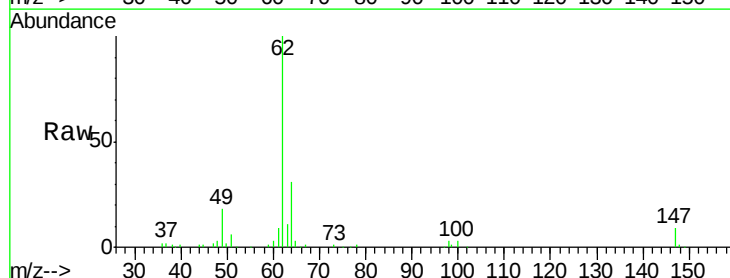
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

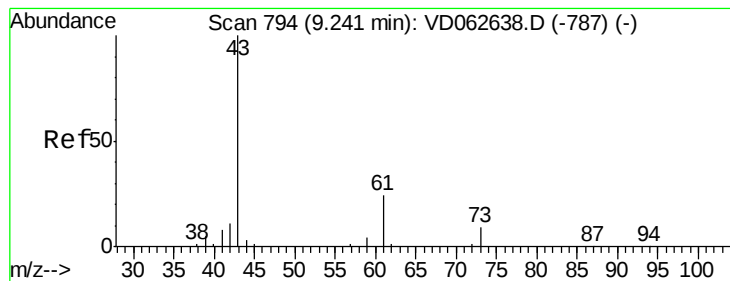
Tot Ion: 41 Resp: 121724
Ion Ratio Lower Upper
41 100
39 59.7 49.2 73.8
67 20.5 13.9 20.9
52 12.4 7.6 11.4#



#42
1,2-Dichloroethane
Concen: 19.090 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion: 62 Resp: 259591
Ion Ratio Lower Upper
62 100
98 3.1 0.0 7.4





#43

Isopropyl Acetate

Concen: 19.981 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

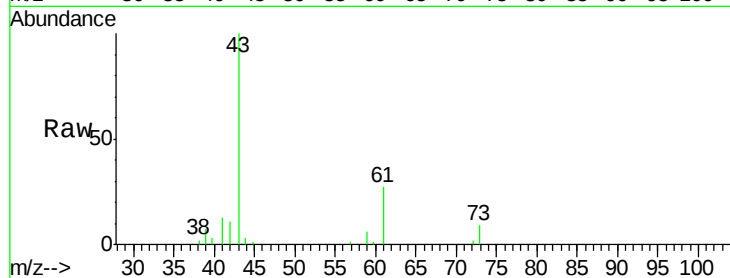
Tot Ion: 43 Resp: 123165

Ion Ratio Lower Upper

43 100

61 27.4 19.0 28.6

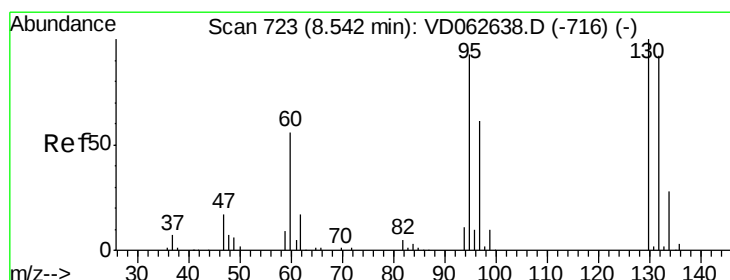
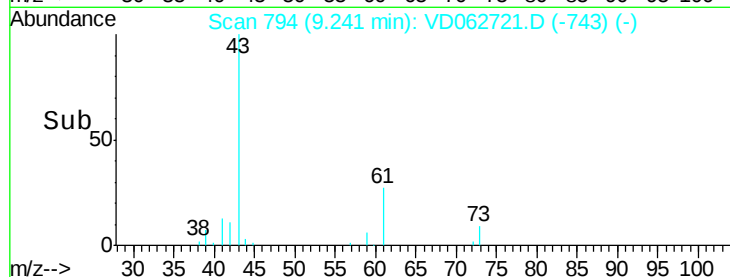
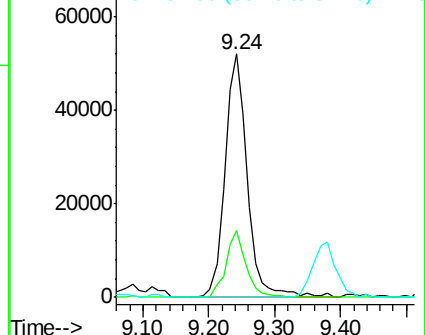
87 0.0 0.3 0.5#



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: 20.176 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062721.D

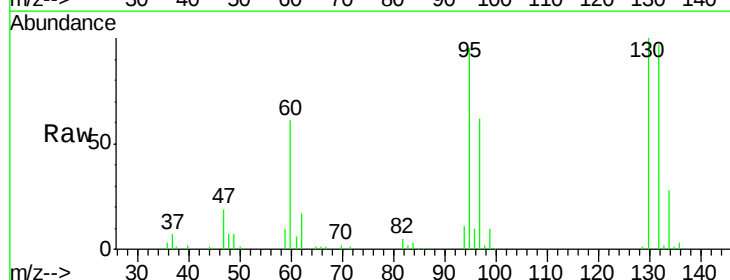
Acq: 17 Jun 2019 12:45

Tgt Ion:130 Resp: 186873

Ion Ratio Lower Upper

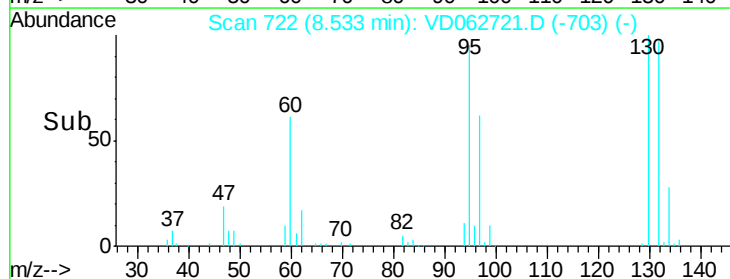
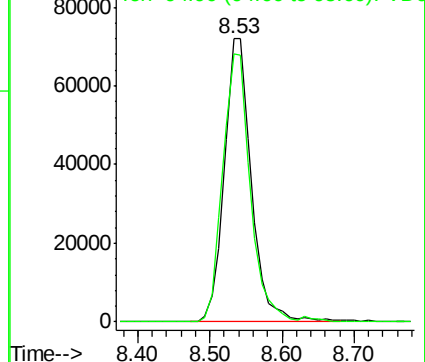
130 100

95 94.6 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.306 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

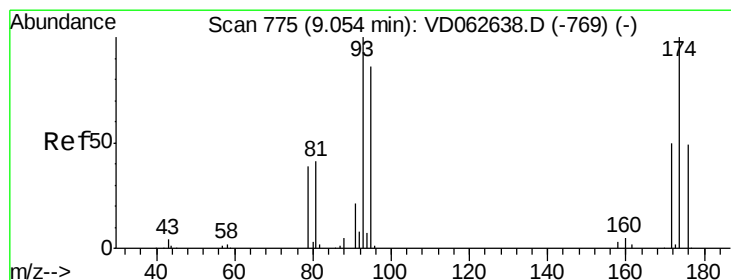
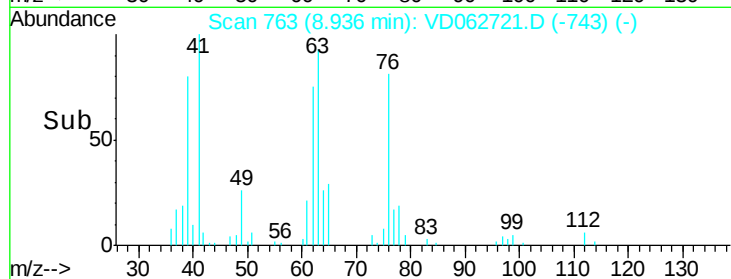
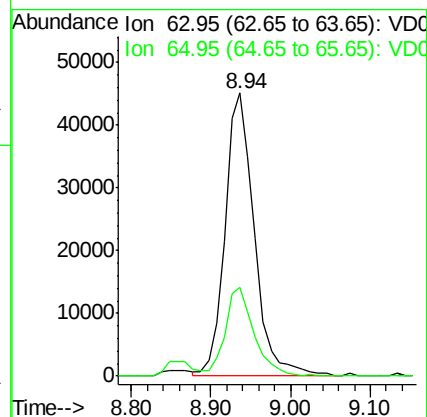
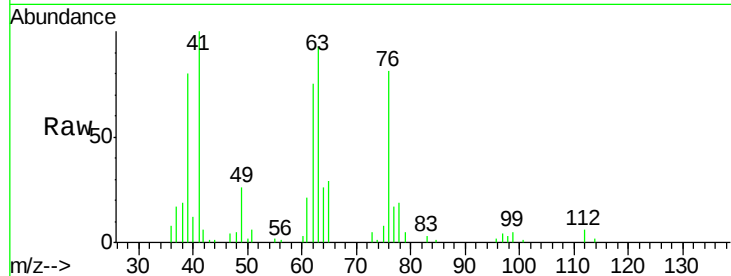
VD0617SBSD01

Tot Ion: 63 Resp: 116757

Ion Ratio Lower Upper

63 100

65 31.2 24.6 37.0



#46

Dibromomethane

Concen: 20.571 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

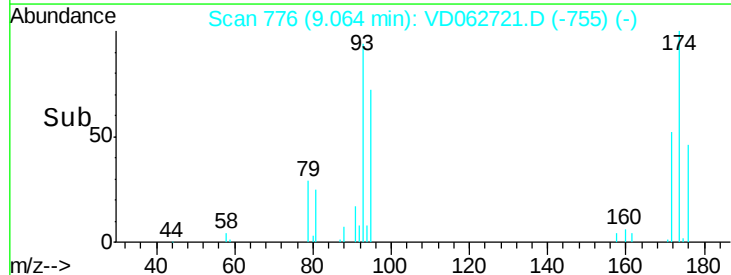
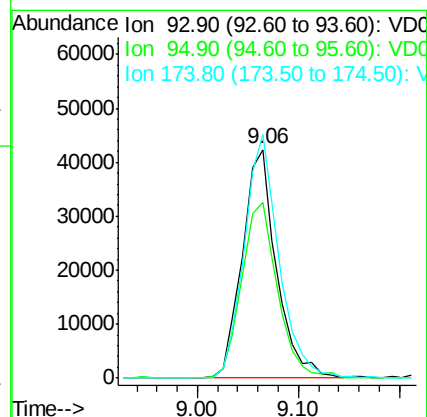
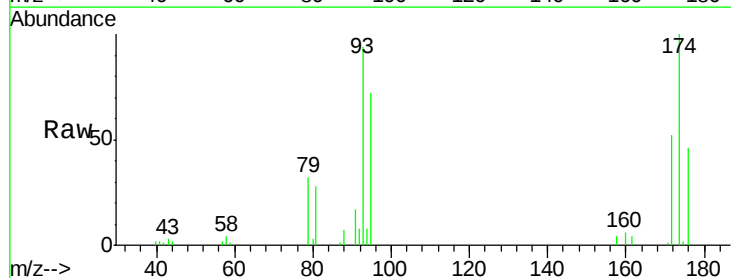
Tgt Ion: 93 Resp: 100068

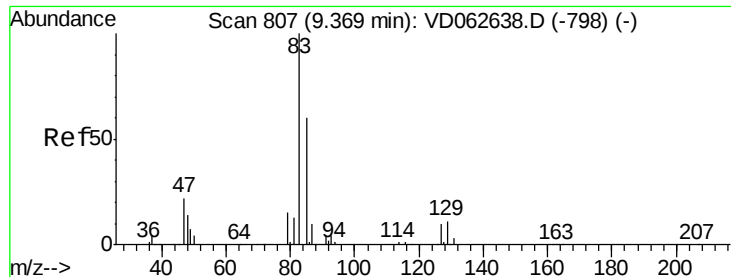
Ion Ratio Lower Upper

93 100

95 76.8 68.7 103.1

174 106.6 79.8 119.8





#47

Bromodichloromethane

Concen: 19.934 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

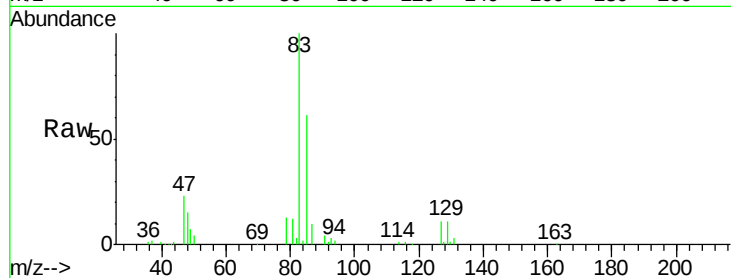
Tot Ion: 83 Resp: 263782

Ion Ratio Lower Upper

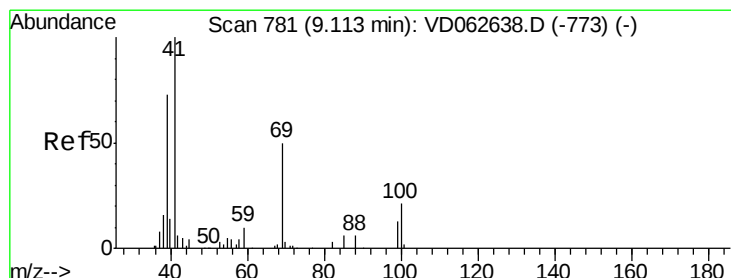
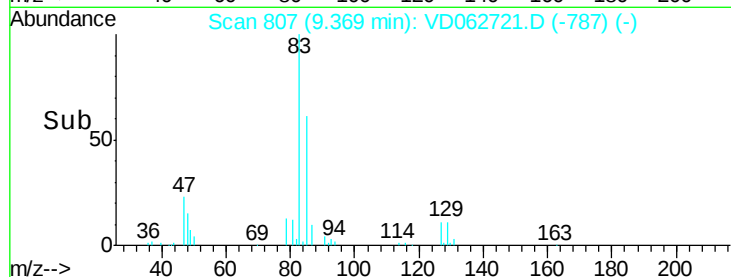
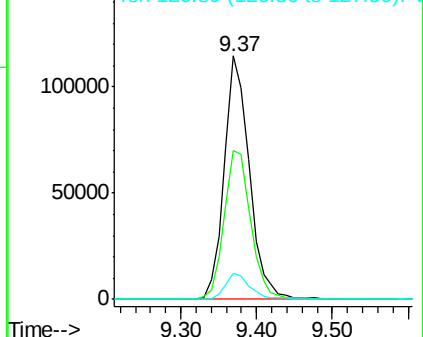
83 100

85 61.1 47.9 71.9

127 10.6 8.2 12.4



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: 20.640 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

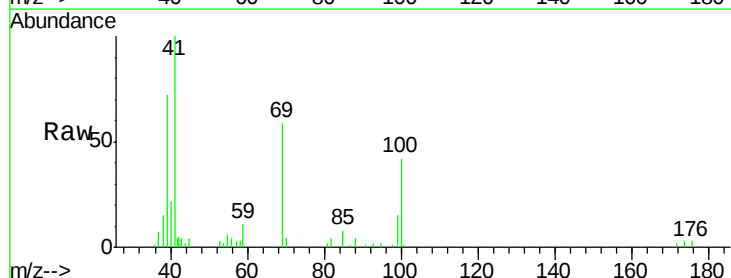
Tgt Ion: 41 Resp: 91917

Ion Ratio Lower Upper

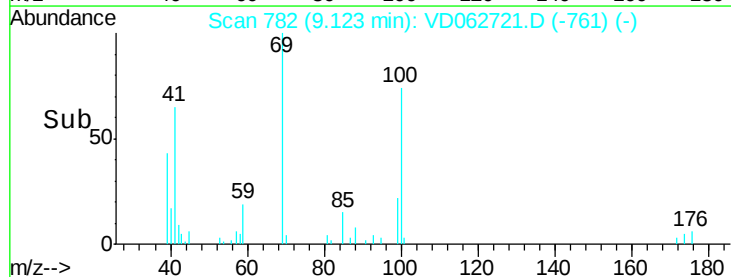
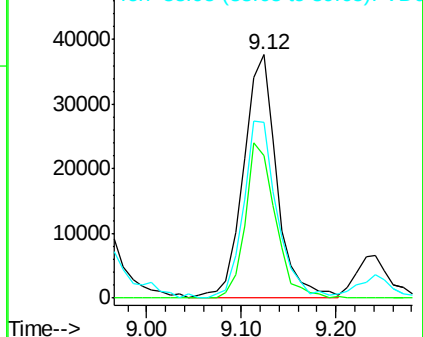
41 100

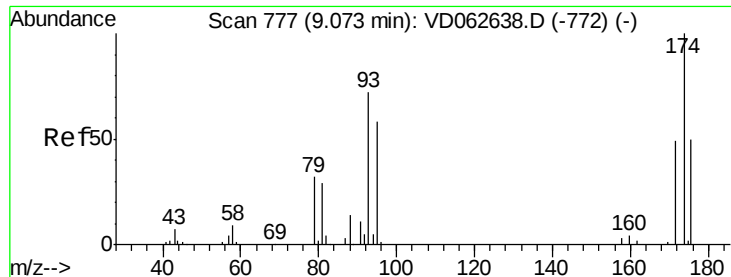
69 58.8 39.8 59.6

39 72.2 59.1 88.7



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

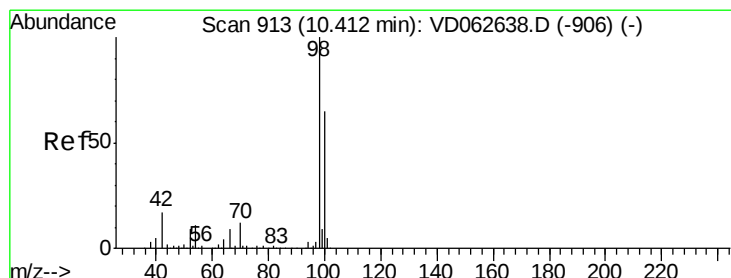
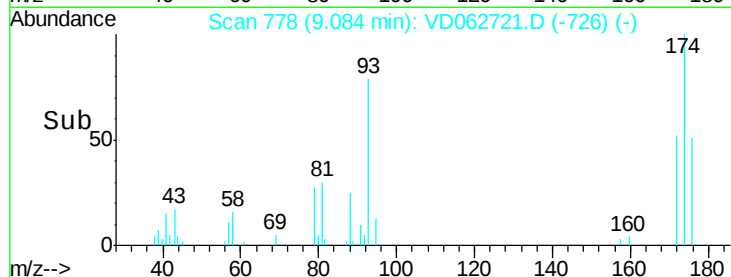
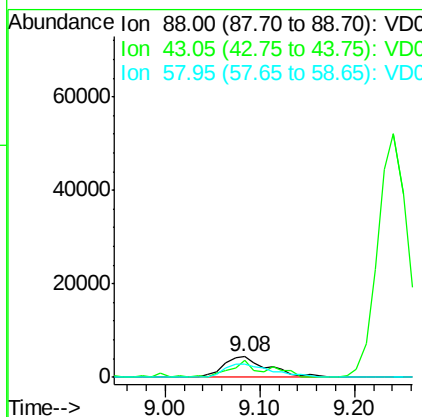
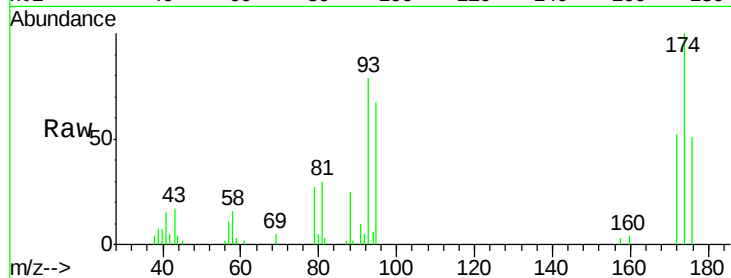




#49
 1,4-Dioxane
 Concen: 393.734 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

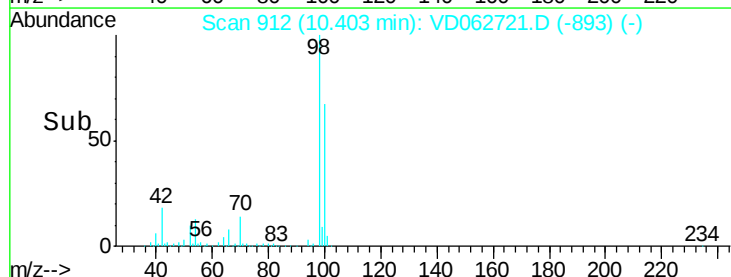
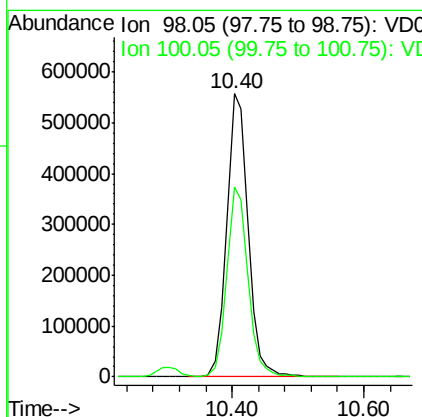
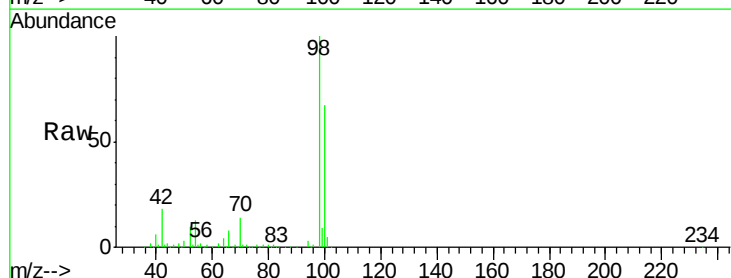
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

Tot Ion: 88 Resp: 14482
 Ion Ratio Lower Upper
 88 100
 43 82.6 40.7 61.1#
 58 63.4 54.2 81.4



#50
 Toluene-d8
 Concen: 56.125 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion: 98 Resp: 1271023
 Ion Ratio Lower Upper
 98 100
 100 67.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 105.741 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

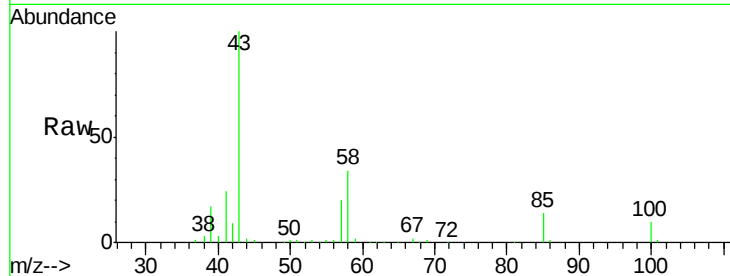
VD0617SBS01

Tot Ion: 43 Resp: 456090

Ion Ratio Lower Upper

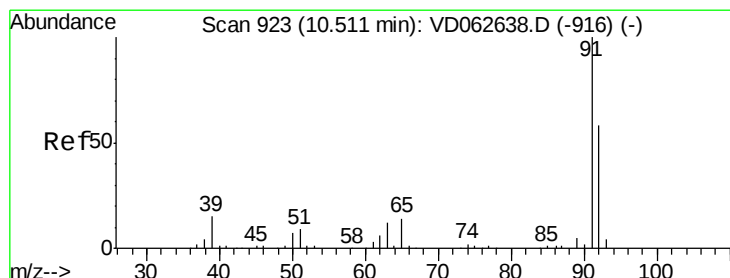
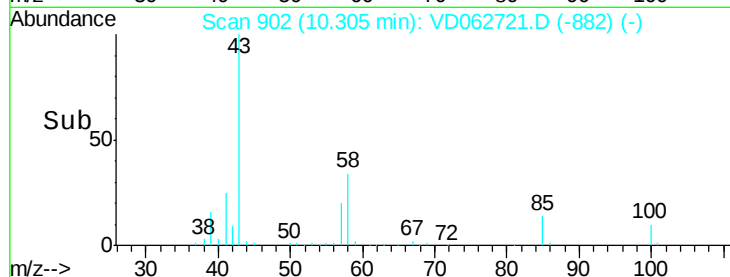
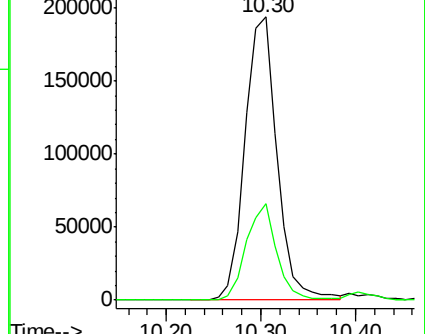
43 100

58 34.2 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.491 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062721.D

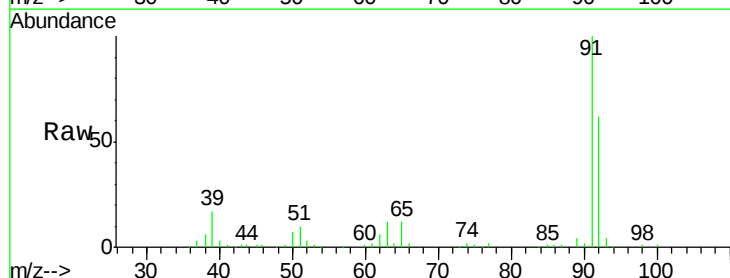
Acq: 17 Jun 2019 12:45

Tgt Ion: 92 Resp: 314251

Ion Ratio Lower Upper

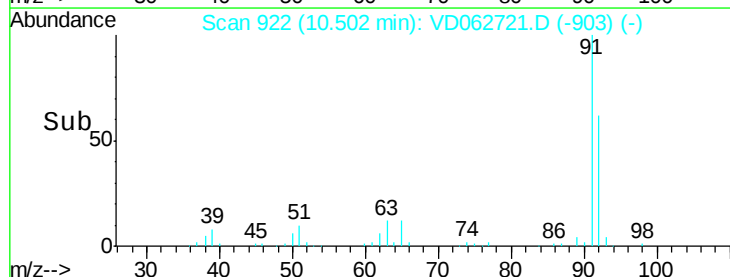
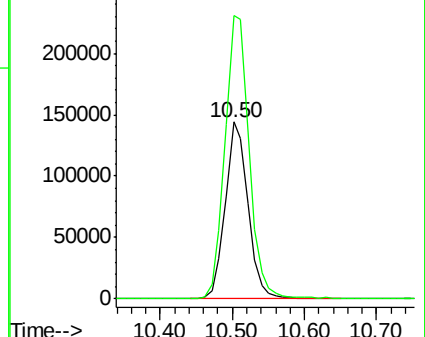
92 100

91 160.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

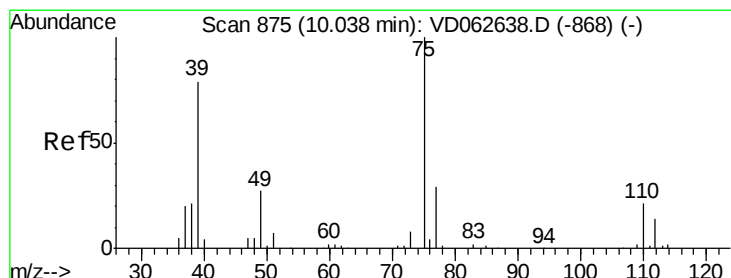
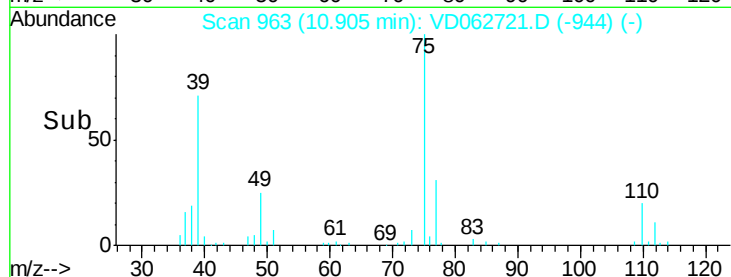
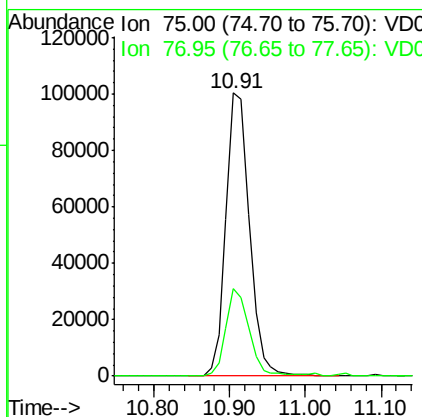
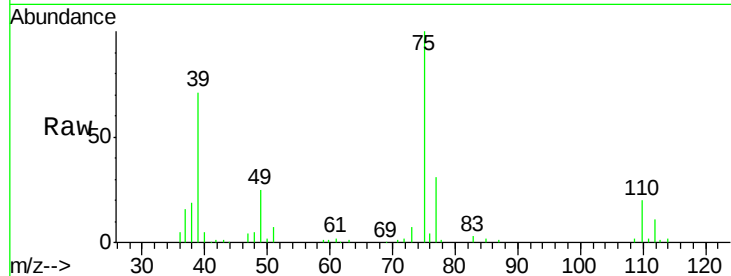




#53
 t-1,3-Dichloropropene
 Concen: 19.960 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

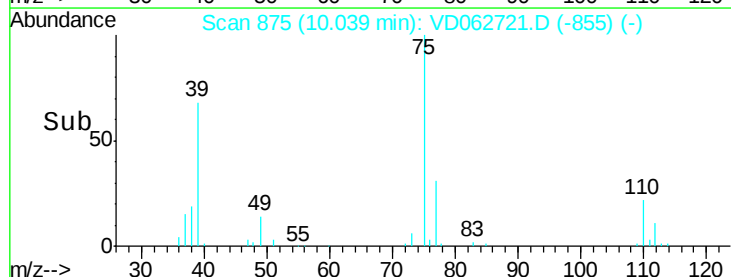
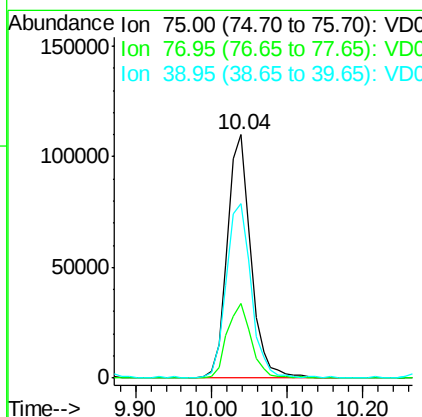
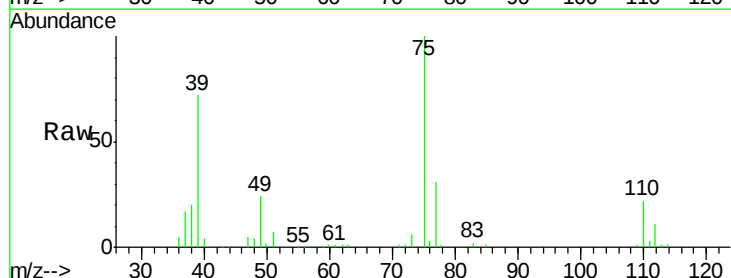
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

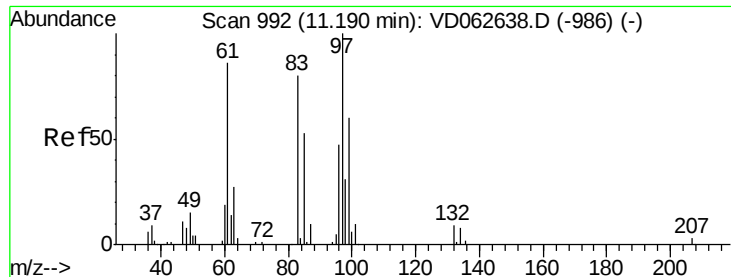
Tot Ion: 75 Resp: 21652
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 21.129 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion: 75 Resp: 236918
 Ion Ratio Lower Upper
 75 100
 77 30.9 23.1 34.7
 39 71.6 63.4 95.2

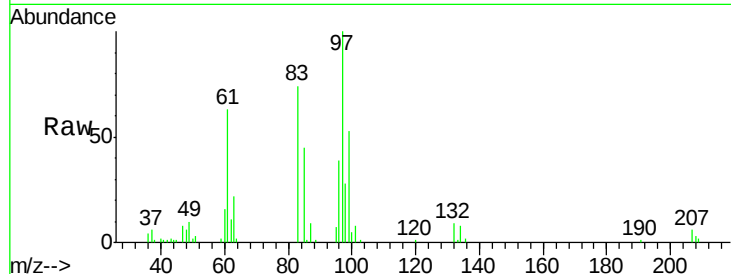




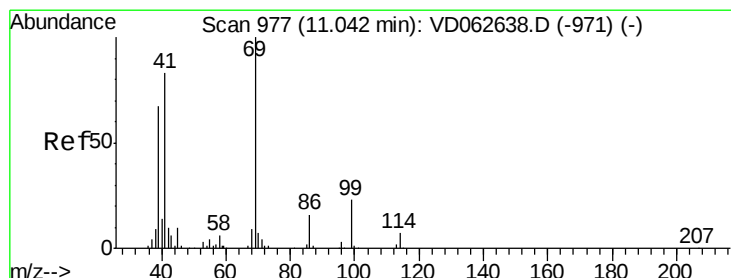
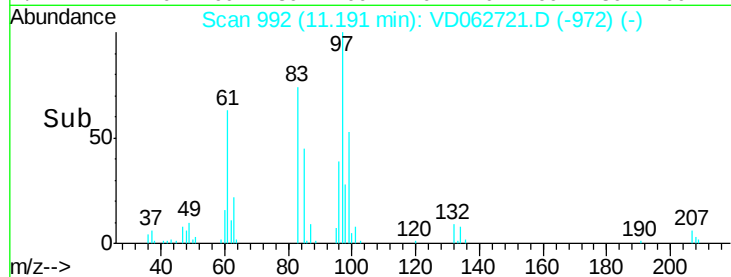
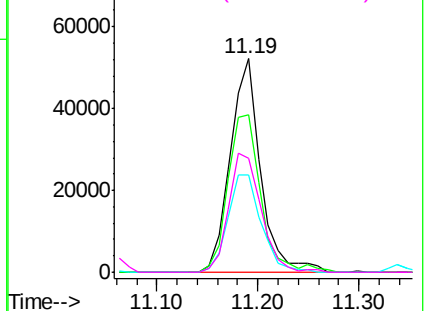
#55
 1,1,2-Trichloroethane
 Concen: 20.693 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

Tot Ion:	97	Resp:	108833
Ion	Ratio	Lower	Upper
97	100		
83	73.8	63.8	95.8
85	45.4	42.3	63.5
99	53.1	48.0	72.0

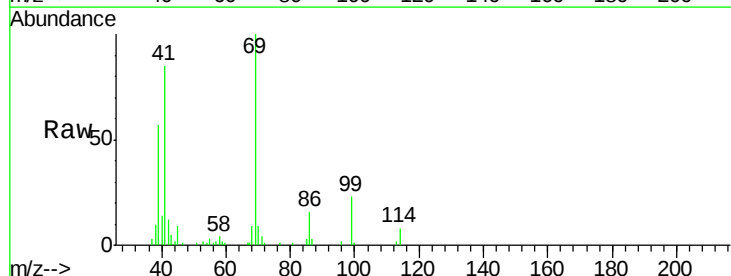


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

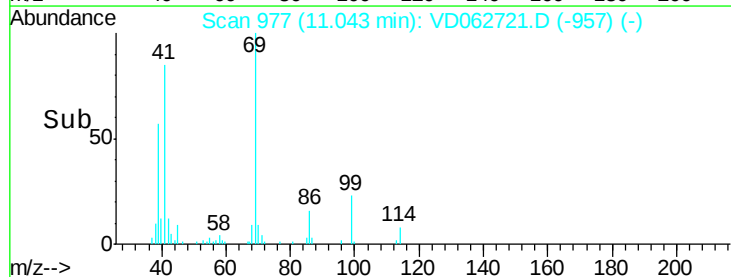
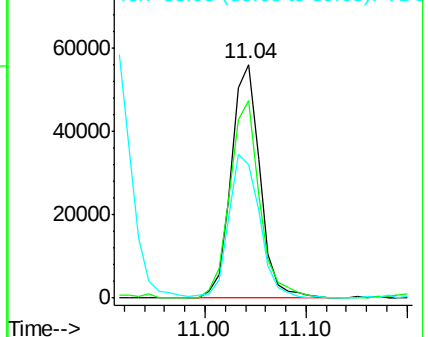


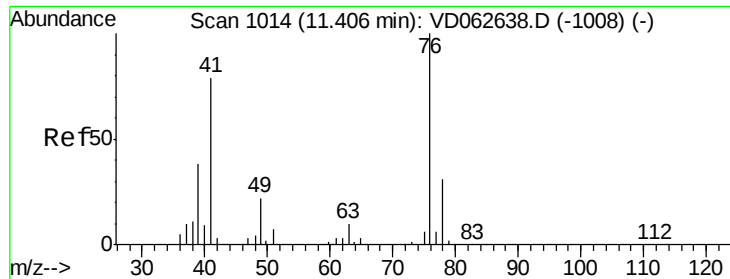
#56
 Ethyl methacrylate
 Concen: 20.045 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion:	69	Resp:	110790
Ion	Ratio	Lower	Upper
69	100		
41	84.6	66.2	99.4
39	56.9	53.8	80.8



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

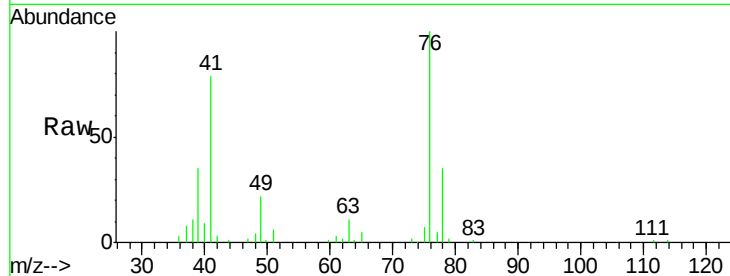




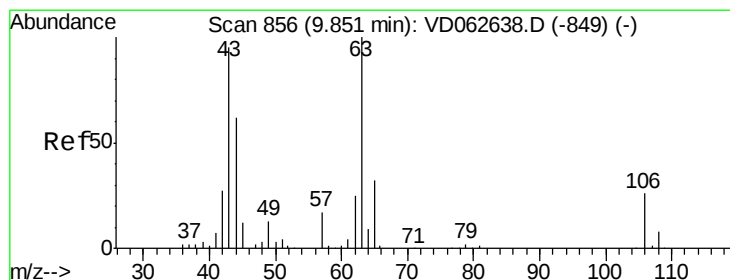
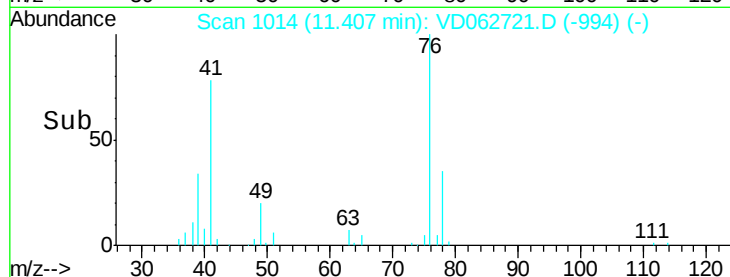
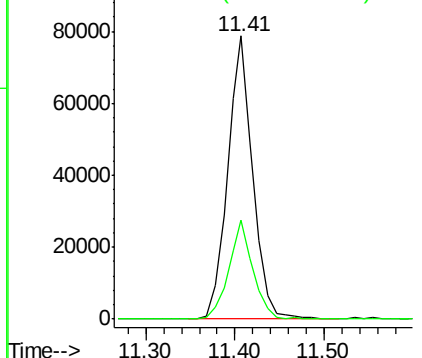
#57
 1,3-Dichloropropane
 Concen: 19.015 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

Tot Ion: 76 Resp: 154999
 Ion Ratio Lower Upper
 76 100
 78 35.1 24.9 37.3

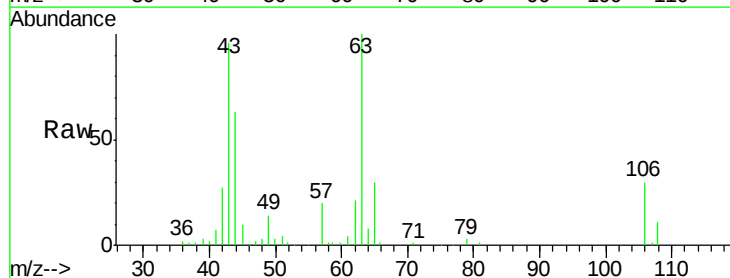


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

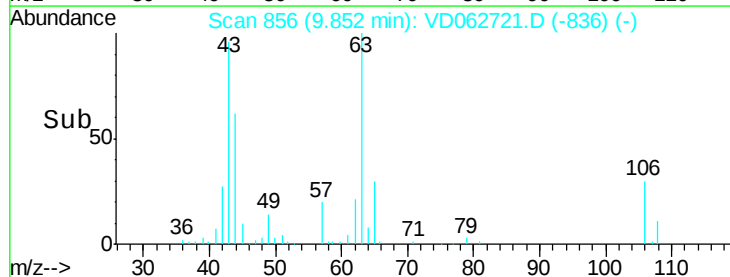
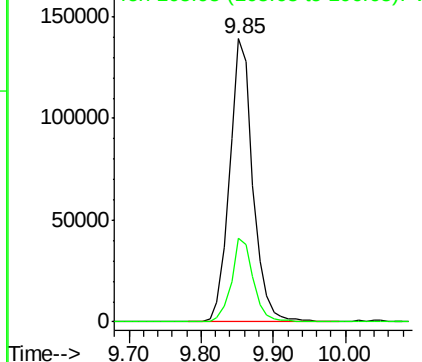


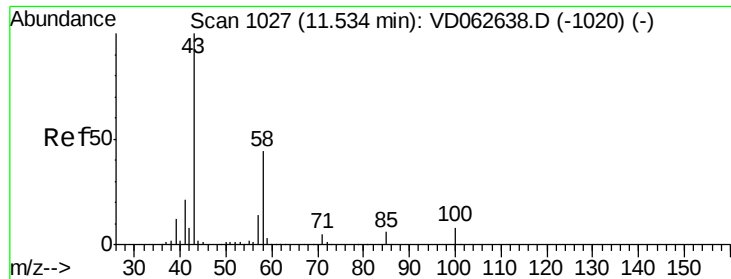
#58
 2-Chloroethyl Vinyl ether
 Concen: 111.088 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion: 63 Resp: 312265
 Ion Ratio Lower Upper
 63 100
 106 29.6 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

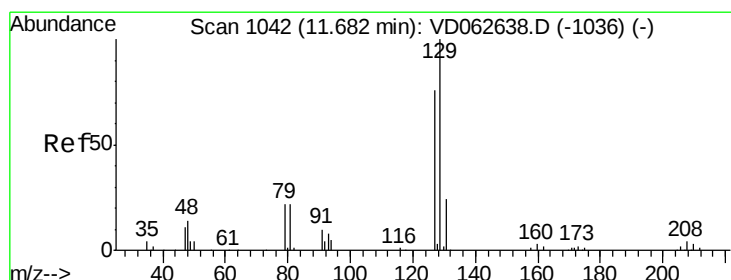
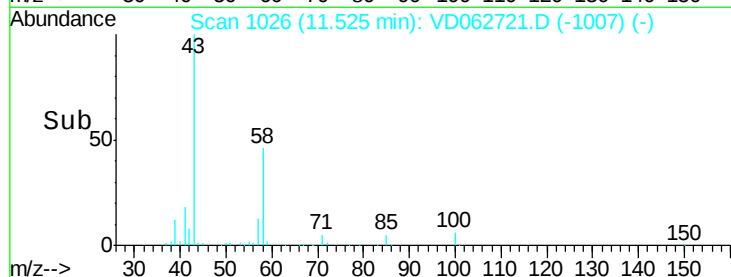
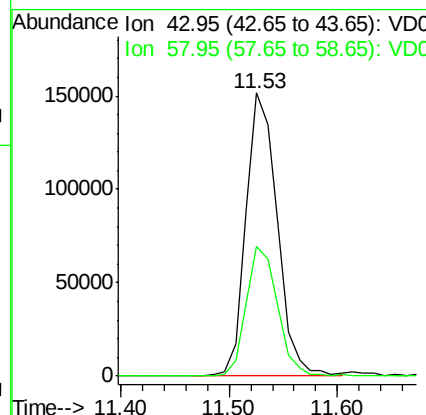
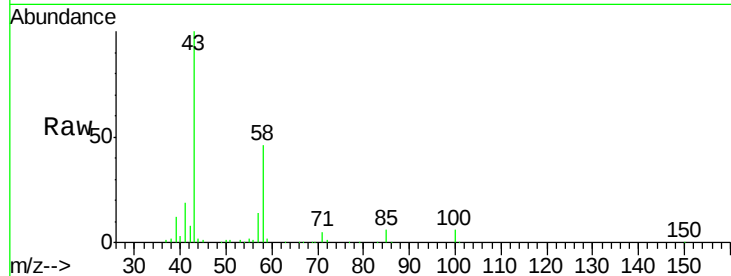




#59
2-Hexanone
Concen: 95.035 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

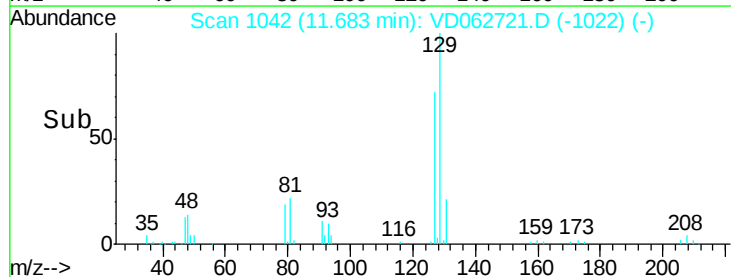
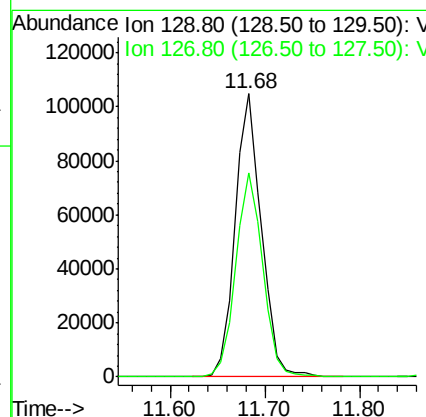
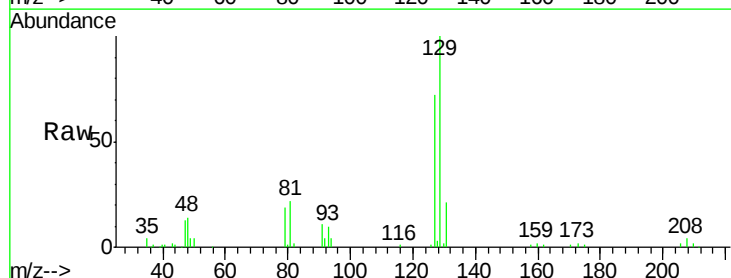
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

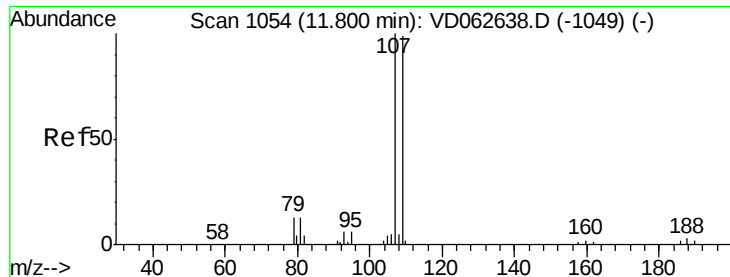
Tot Ion: 43 Resp: 304915
Ion Ratio Lower Upper
43 100
58 45.8 21.8 65.4



#60
Dibromochloromethane
Concen: 19.282 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion: 129 Resp: 200184
Ion Ratio Lower Upper
129 100
127 72.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.109 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

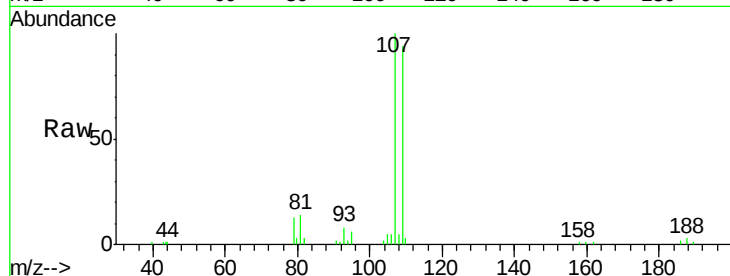
VD0617SBSD01

Tot Ion:107 Resp: 126575

Ion Ratio Lower Upper

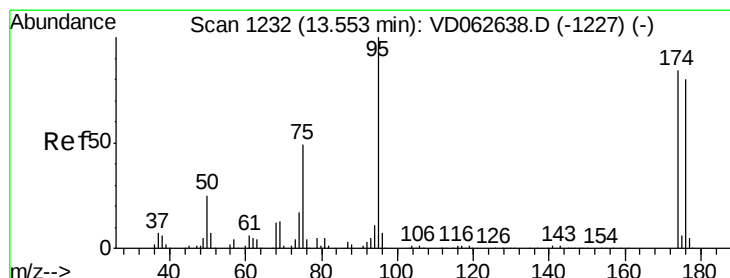
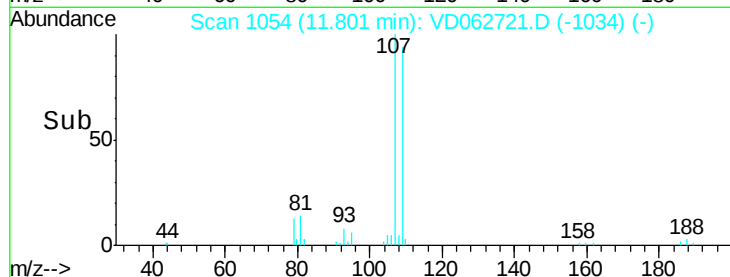
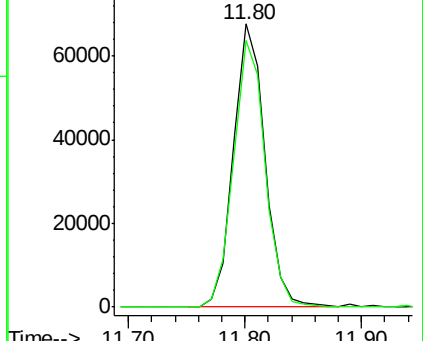
107 100

109 94.3 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.948 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

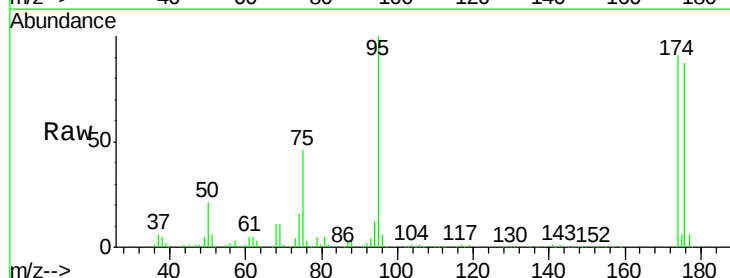
Tgt Ion: 95 Resp: 527721

Ion Ratio Lower Upper

95 100

174 90.8 0.0 167.0

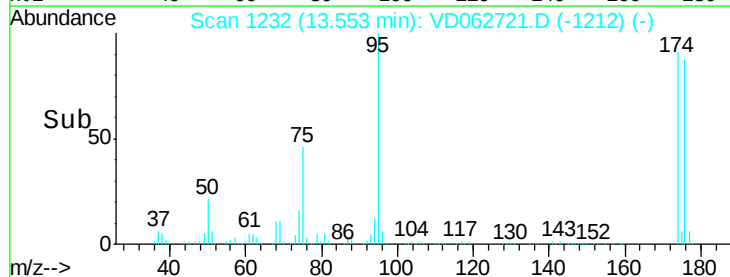
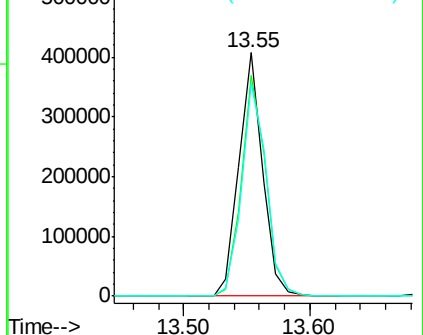
176 87.4 0.0 159.2

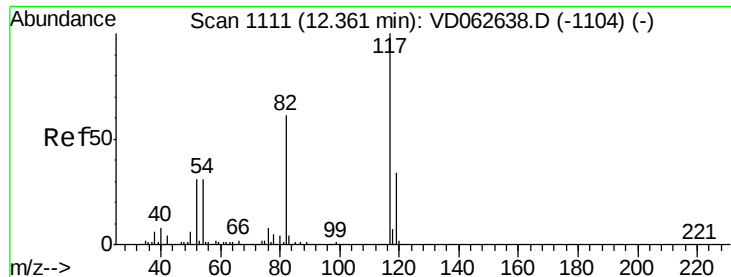


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

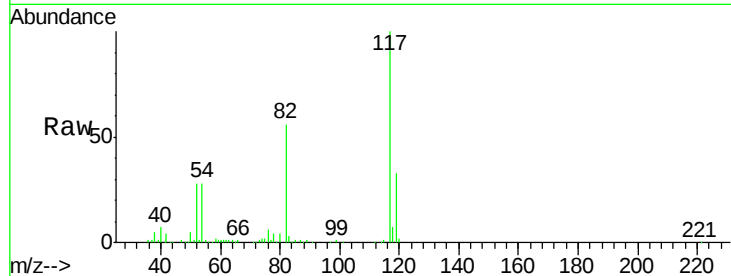




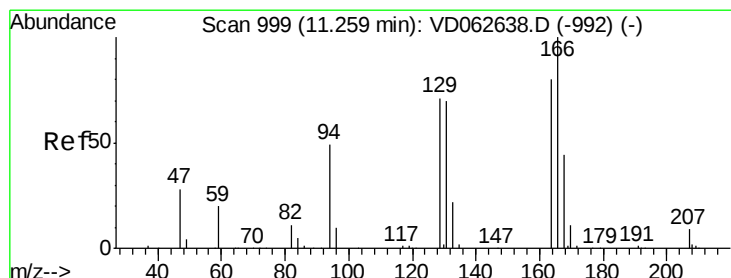
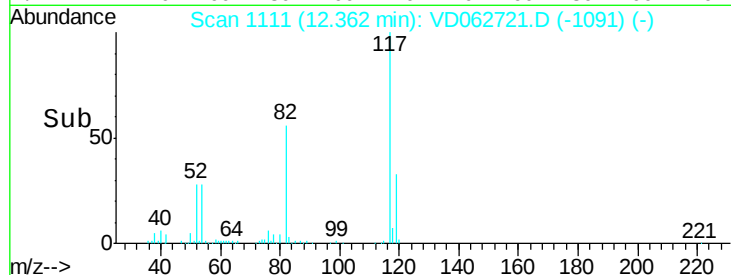
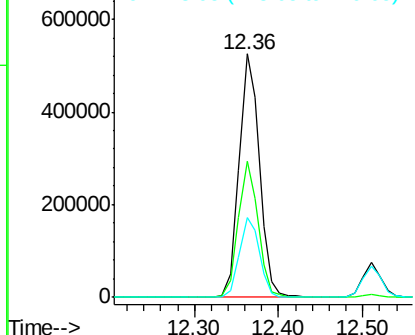
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

Tot Ion:117 Resp: 883942
Ion Ratio Lower Upper
117 100
82 56.0 48.7 73.1
119 32.8 27.0 40.6

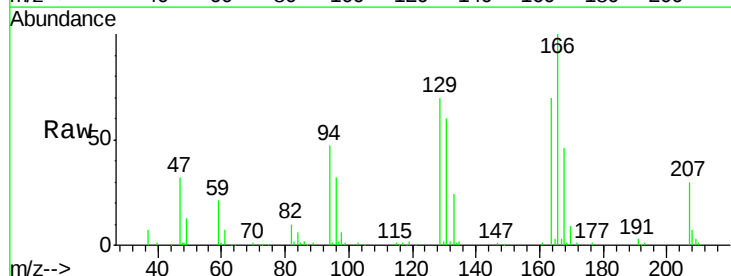


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

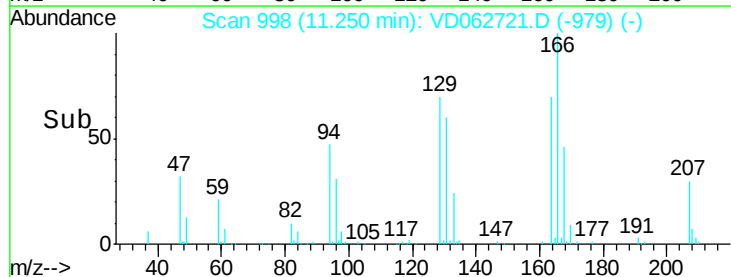
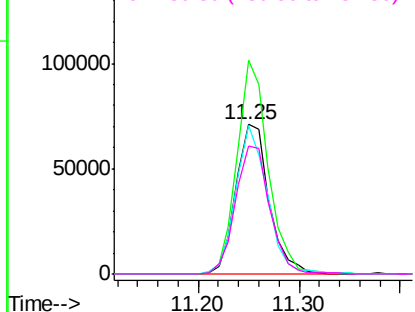


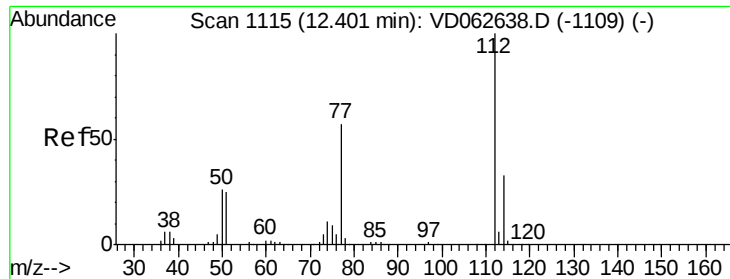
#64
Tetrachloroethene
Concen: 19.695 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion:164 Resp: 162966
Ion Ratio Lower Upper
164 100
166 143.0 99.4 149.2
129 99.6 70.2 105.4
131 85.5 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

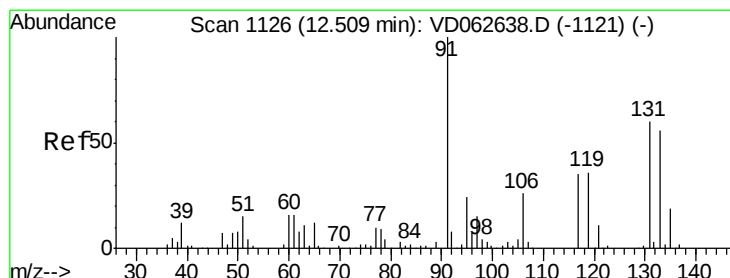
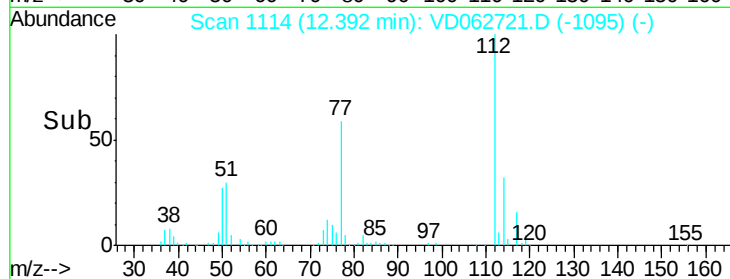
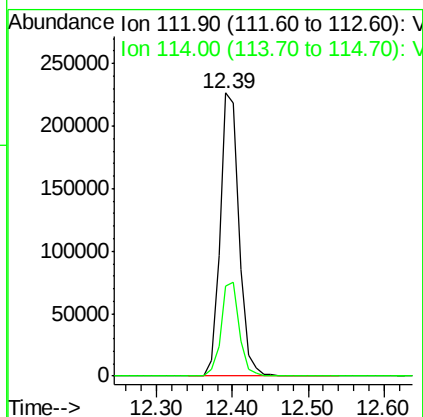
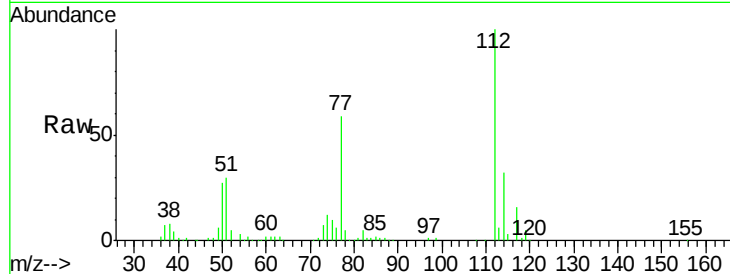




#65
Chlorobenzene
Concen: 20.251 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

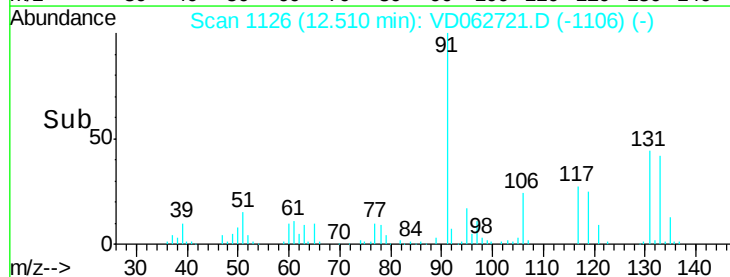
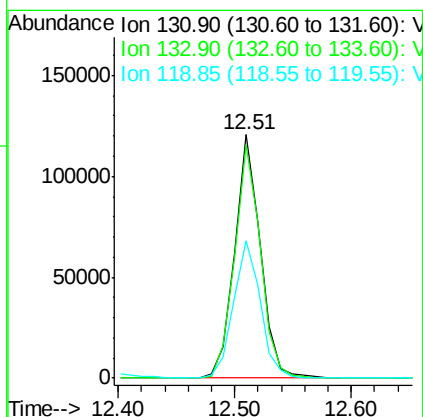
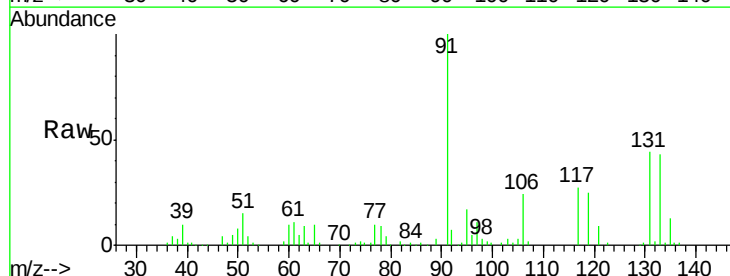
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

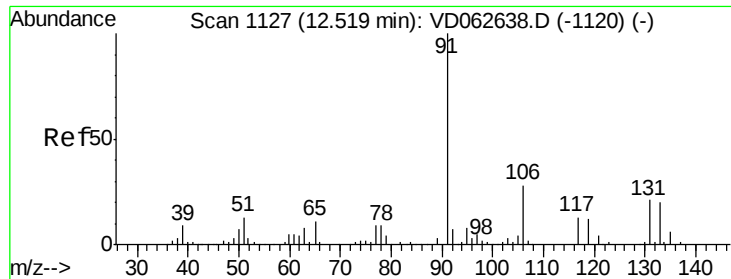
Tot Ion:112 Resp: 395951
Ion Ratio Lower Upper
112 100
114 31.7 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.839 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion:131 Resp: 184999
Ion Ratio Lower Upper
131 100
133 95.7 46.8 140.3
119 56.6 29.9 89.8

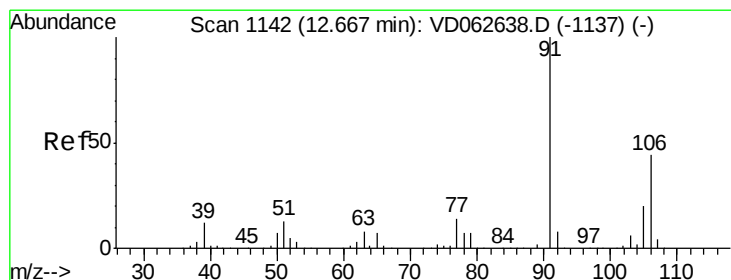
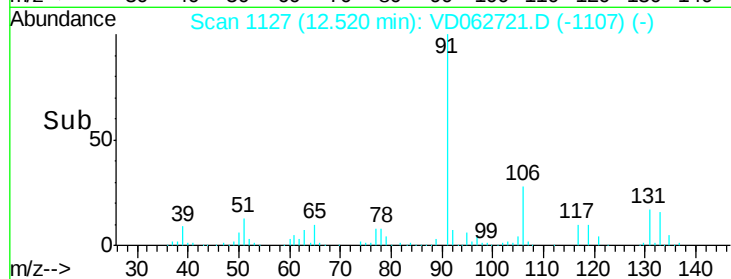
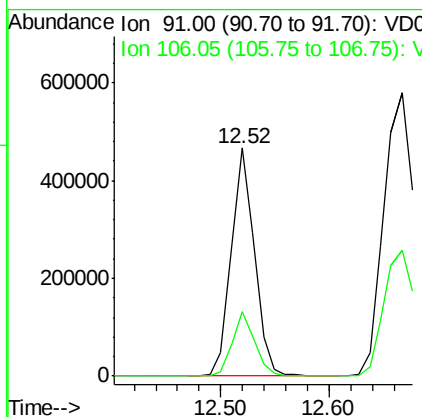
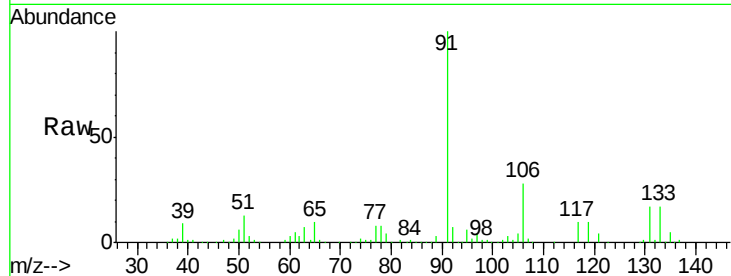




#67
Ethyl Benzene
Concen: 20.233 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

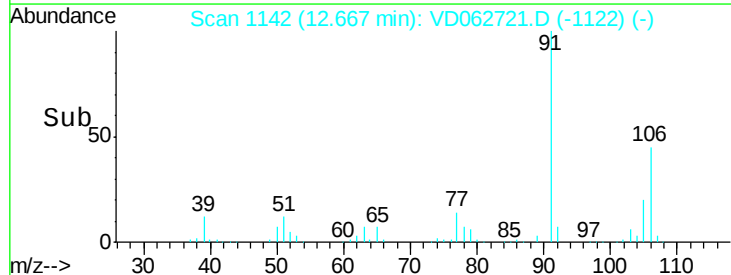
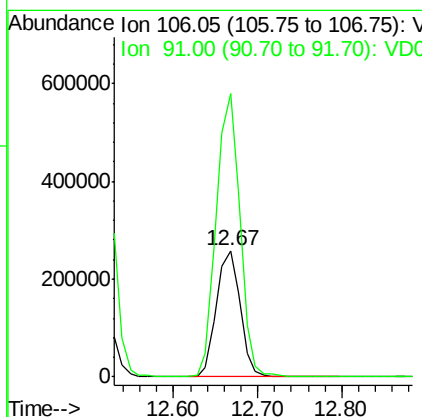
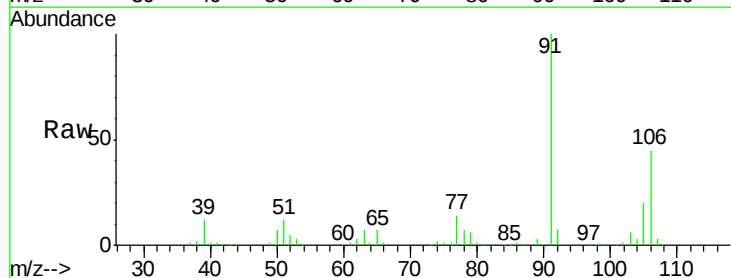
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBS01

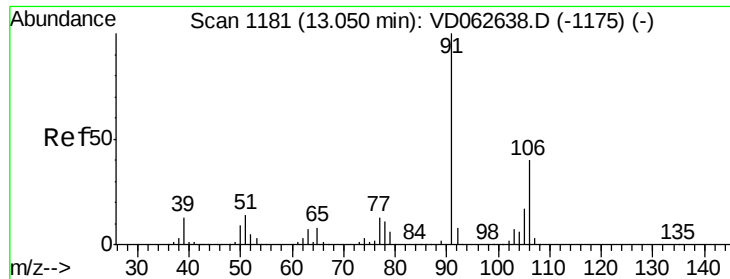
Tot Ion: 91 Resp: 701404
Ion Ratio Lower Upper
91 100
106 28.4 22.1 33.1



#68
m/p-Xylenes
Concen: 41.589 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion: 106 Resp: 506851
Ion Ratio Lower Upper
106 100
91 224.0 180.2 270.4

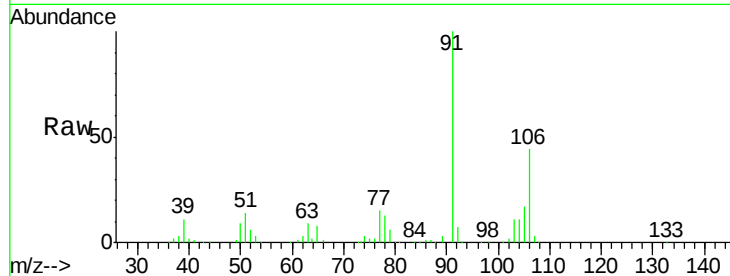




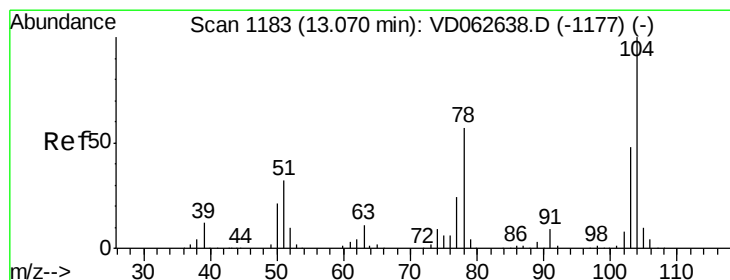
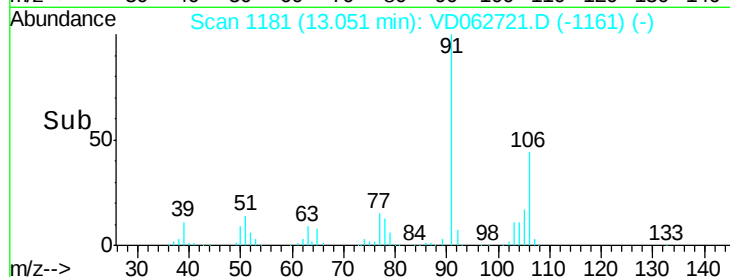
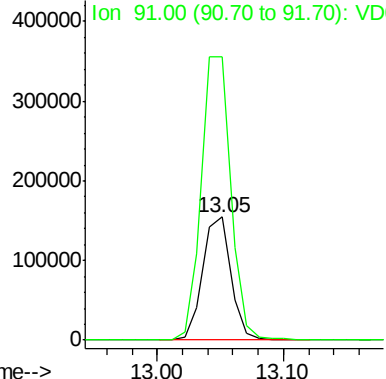
#69
o-Xylene
Concen: 21.366 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

Tot Ion:106 Resp: 239143
Ion Ratio Lower Upper
106 100
91 229.7 124.1 372.1

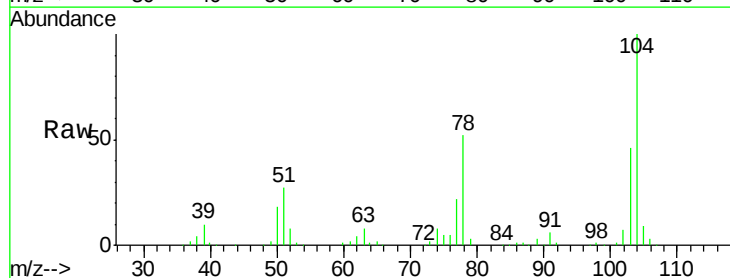


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

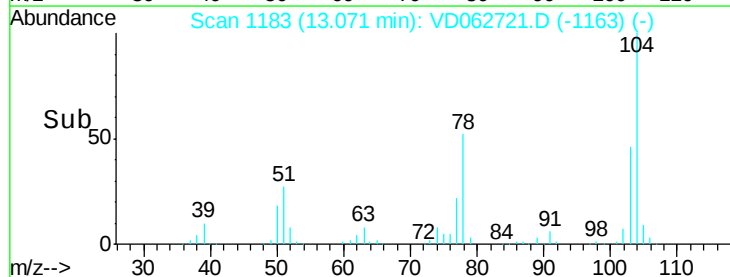
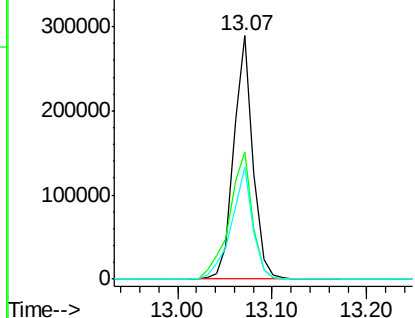


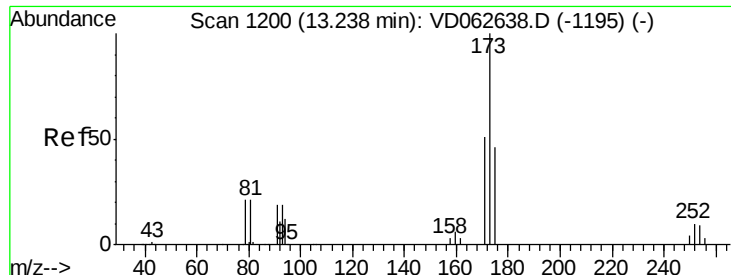
#70
Styrene
Concen: 20.287 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion:104 Resp: 405151
Ion Ratio Lower Upper
104 100
78 52.4 45.9 68.9
103 45.7 38.4 57.6



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





#71

Bromoform

Concen: 20.030 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

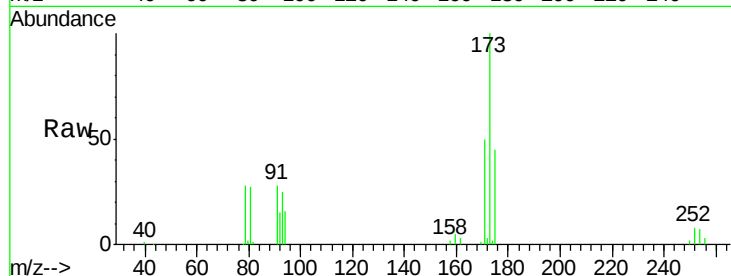
Tot Ion:173 Resp: 130421

Ion Ratio Lower Upper

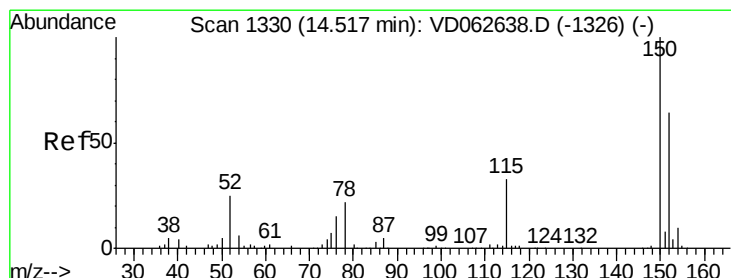
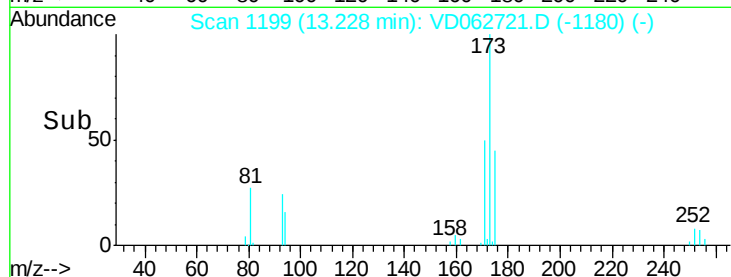
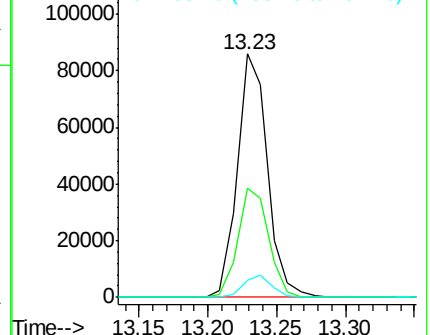
173 100

175 44.8 22.9 68.7

254 7.2 7.0 10.4



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

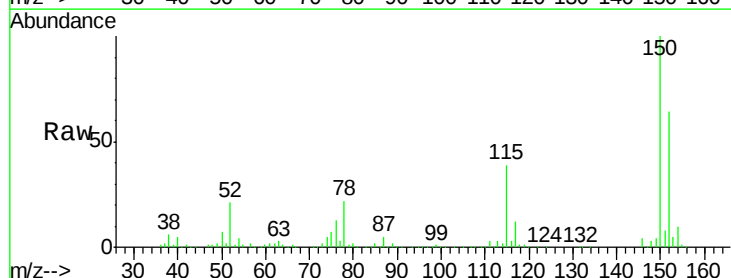
Tgt Ion:152 Resp: 485464

Ion Ratio Lower Upper

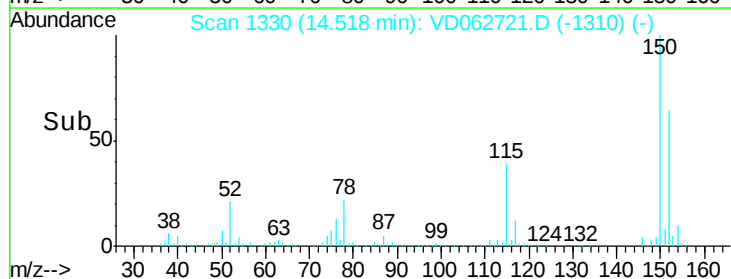
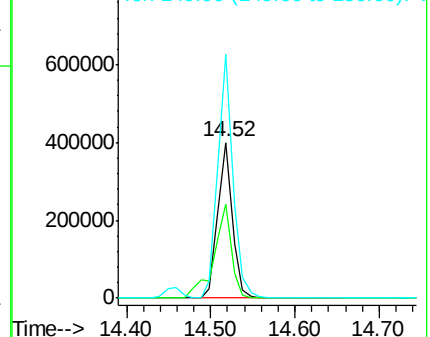
152 100

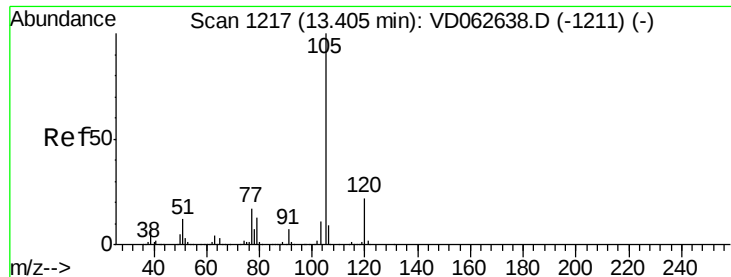
115 60.4 30.1 90.5

150 156.7 0.0 314.0



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: 22.391 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

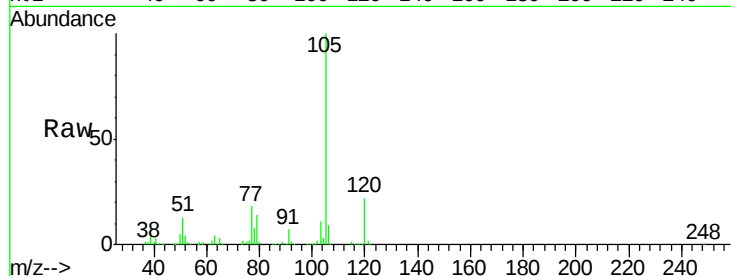
VD0617SBSD01

Tot Ion:105 Resp: 766181

Ion Ratio Lower Upper

105 100

120 22.3 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

500000

400000

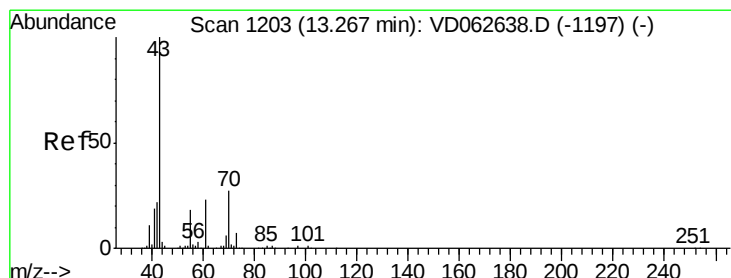
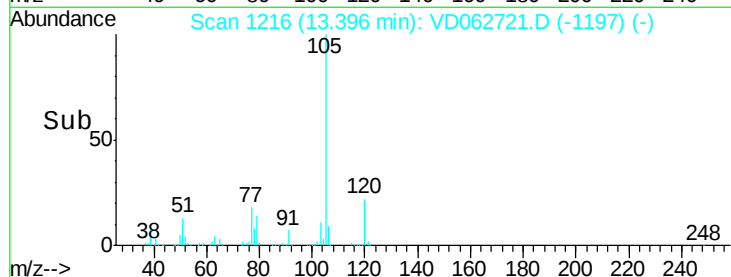
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.723 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Tgt Ion: 43 Resp: 191639

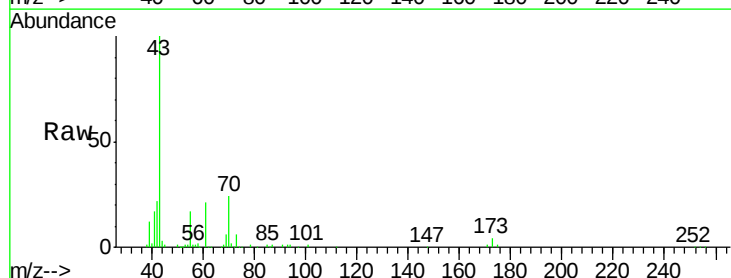
Ion Ratio Lower Upper

43 100

70 24.3 21.8 32.8

55 17.5 14.6 21.8

61 21.2 18.4 27.6



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

200000

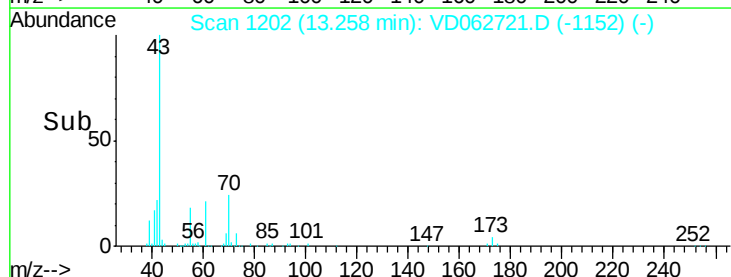
150000

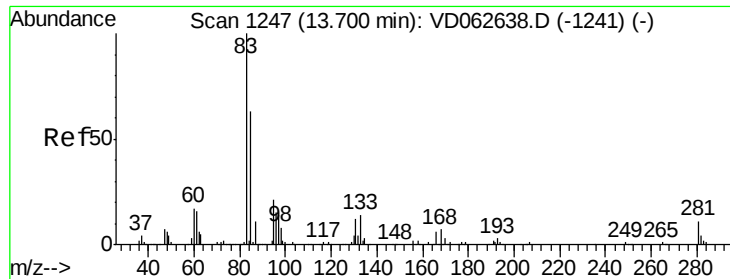
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.916 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

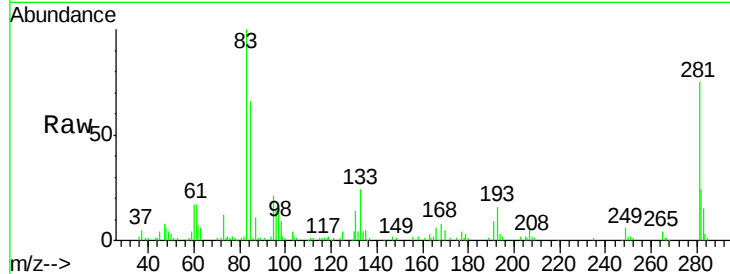
Tot Ion: 83 Resp: 122460

Ion Ratio Lower Upper

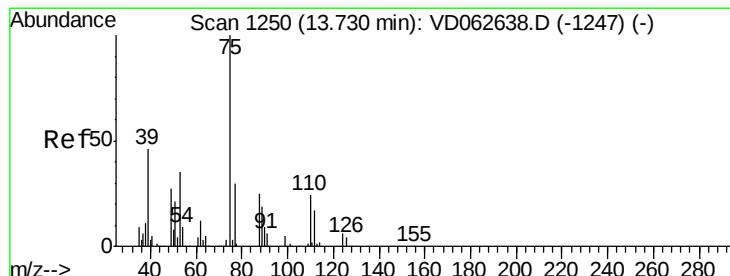
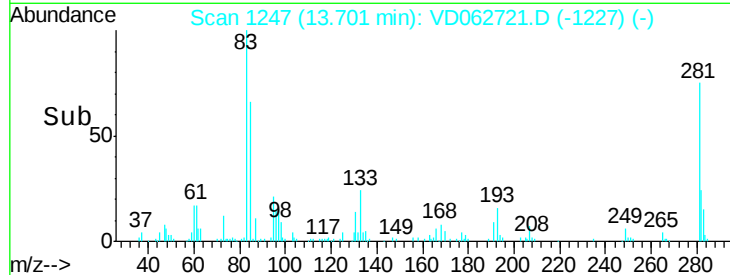
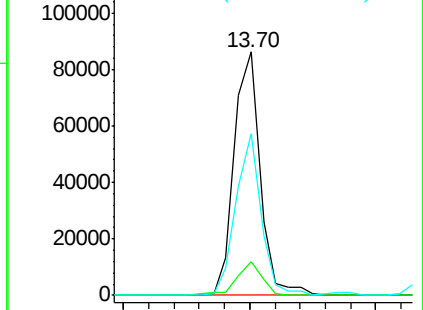
83 100

131 13.8 5.9 17.7

85 66.4 31.3 93.9



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: 20.586 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062721.D

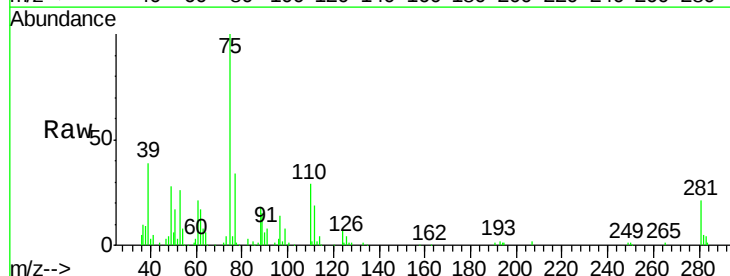
Acq: 17 Jun 2019 12:45

Tgt Ion: 75 Resp: 135505

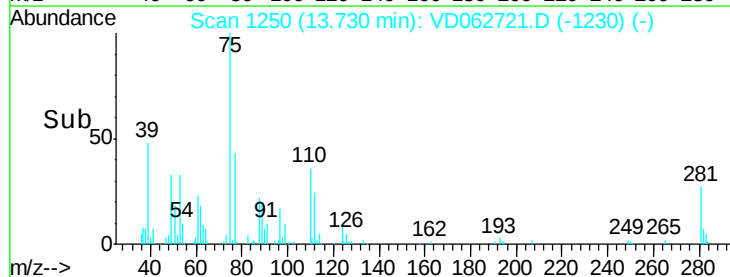
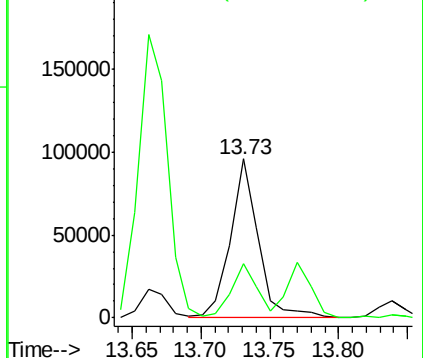
Ion Ratio Lower Upper

75 100

77 34.4 16.2 48.6



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





#77

Bromobenzene

Concen: 20.238 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

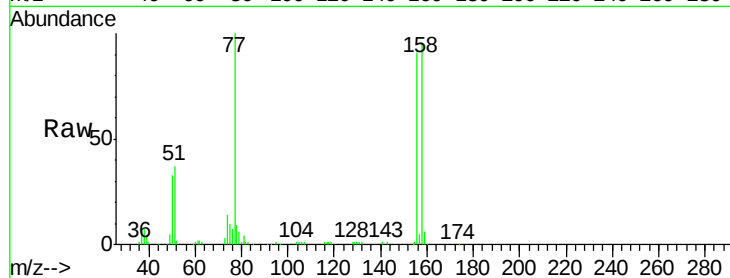
Tot Ion:156 Resp: 197933

Ion Ratio Lower Upper

156 100

77 109.4 56.3 168.8

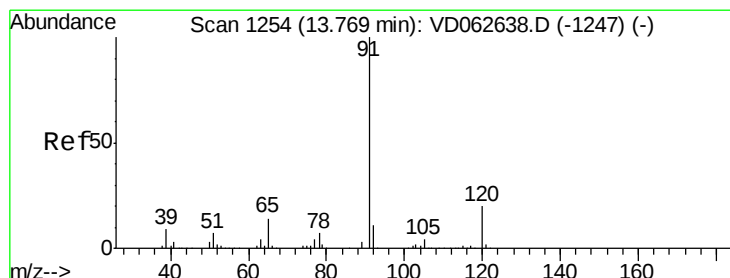
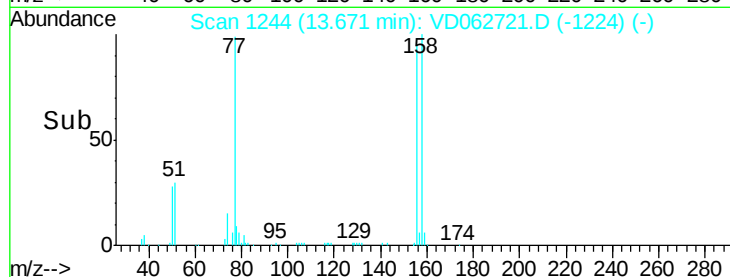
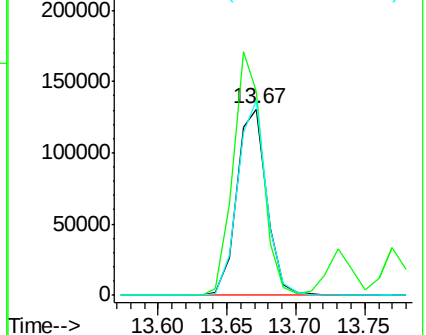
158 104.9 49.6 148.8



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: 21.248 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062721.D

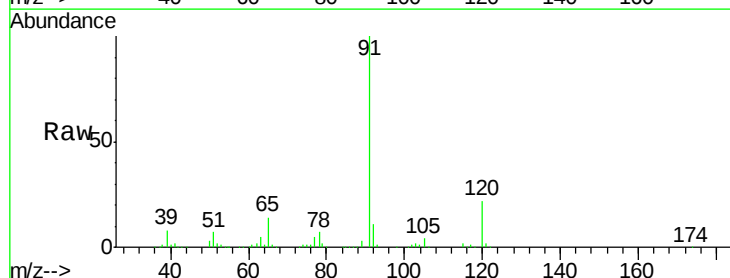
Acq: 17 Jun 2019 12:45

Tgt Ion: 91 Resp: 889948

Ion Ratio Lower Upper

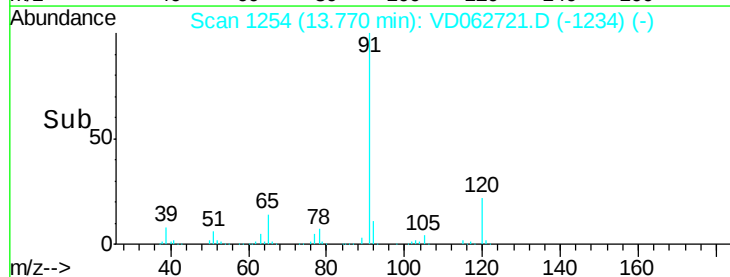
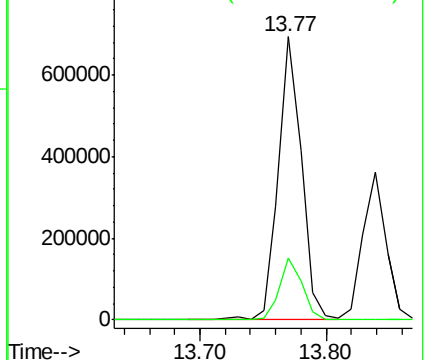
91 100

120 22.1 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

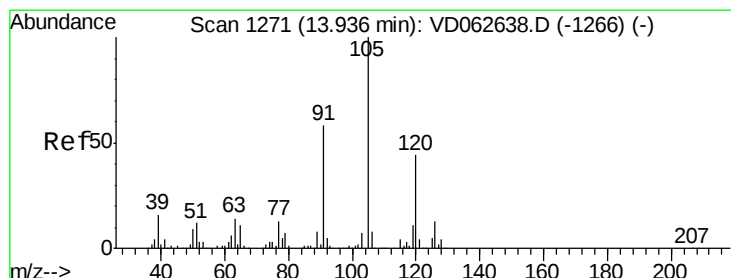
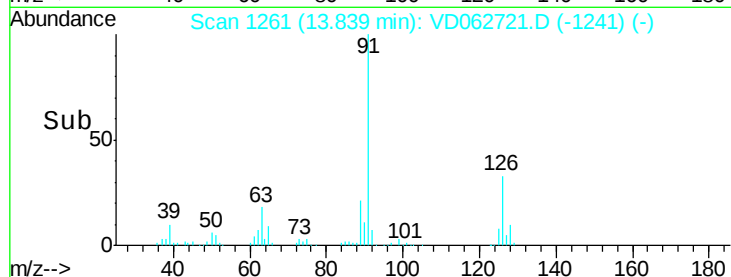
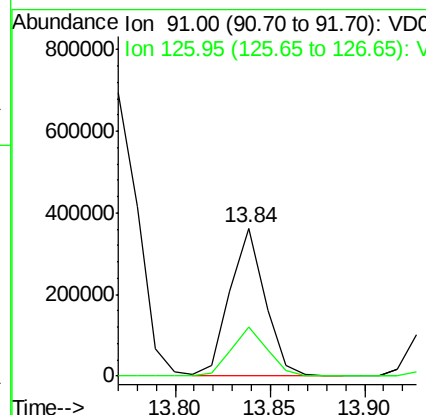
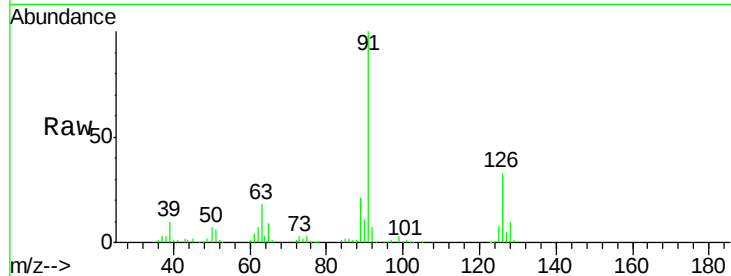




#79
 2-Chlorotoluene
 Concen: 19.095 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

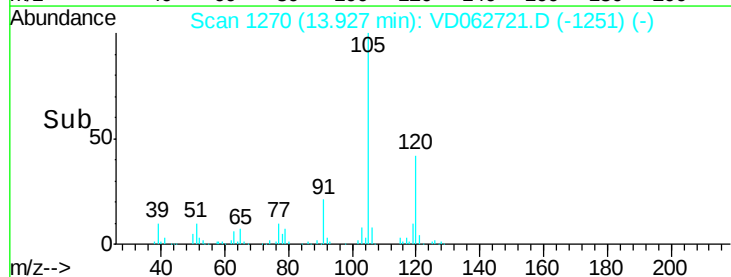
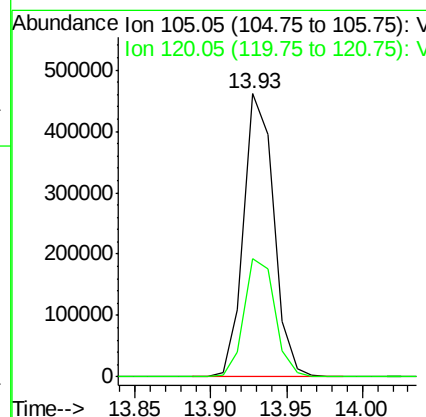
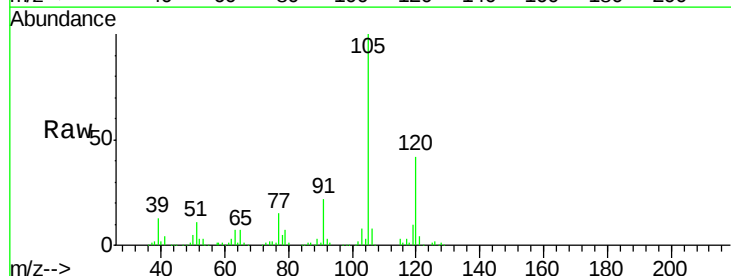
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

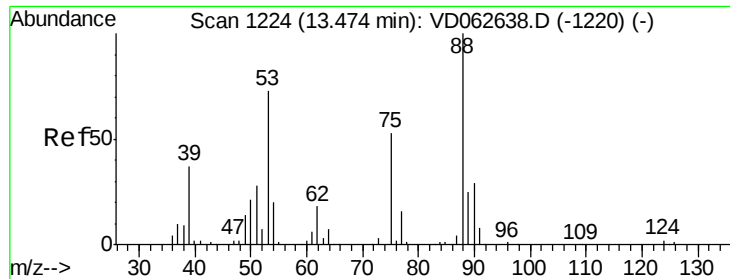
Tot Ion: 91 Resp: 468298
 Ion Ratio Lower Upper
 91 100
 126 33.4 15.8 47.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.058 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion: 105 Resp: 636822
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.1 66.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.827 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

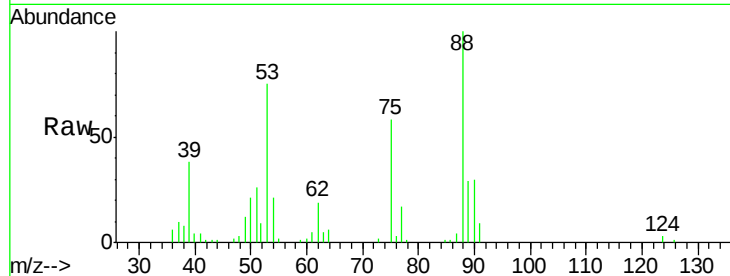
MSVOA_D

ClientSampleId :

VD0617SBSD01

Tot Ion: 75 Resp: 35846

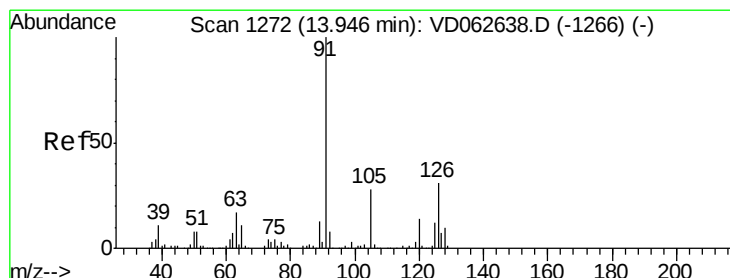
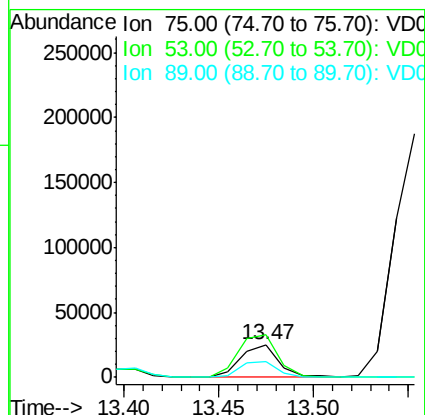
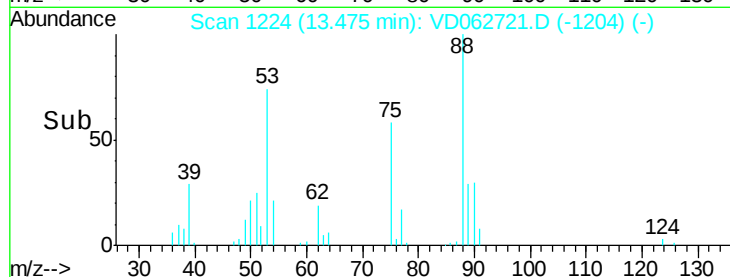
Ion	Ratio	Lower	Upper
75	100		
53	131.0	109.4	164.2
89	49.7	37.0	55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.863 ug/l

RT: 13.95 min Scan# 1272

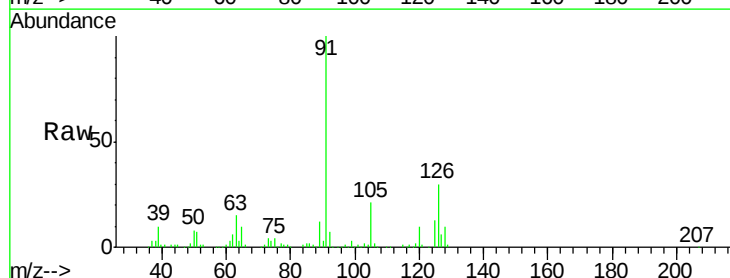
Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

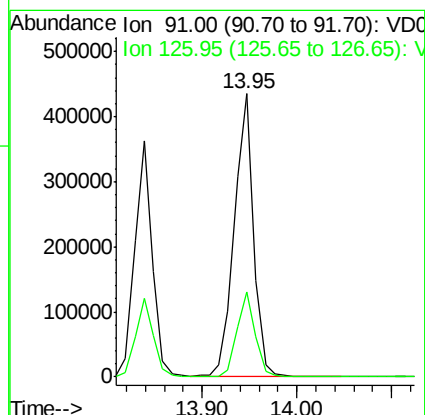
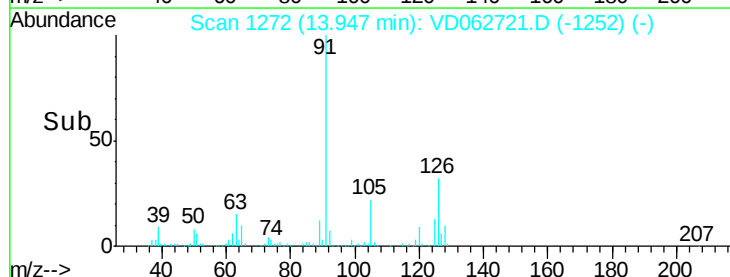
Tgt Ion: 91 Resp: 611872

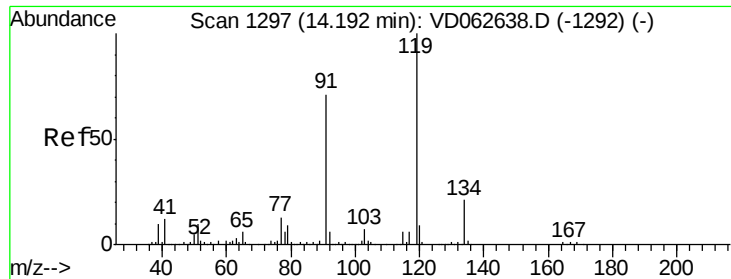
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.6	46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

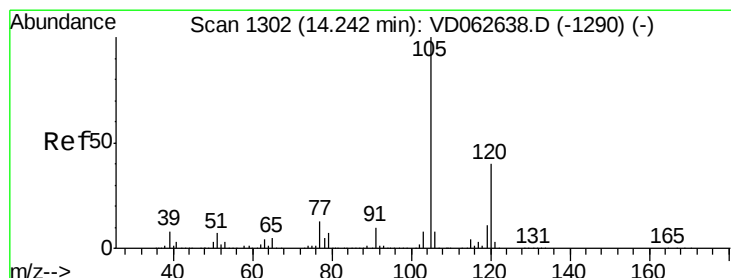
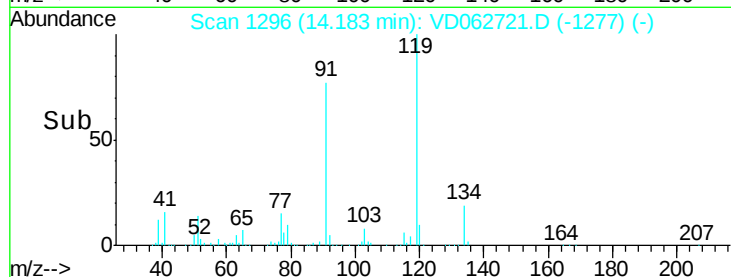
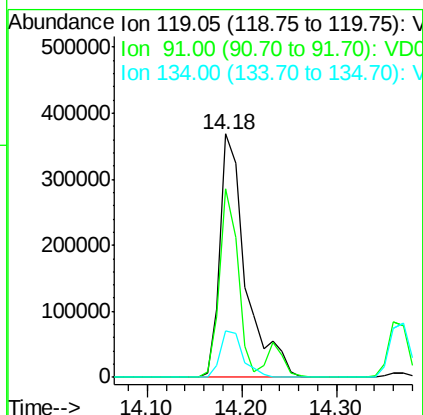
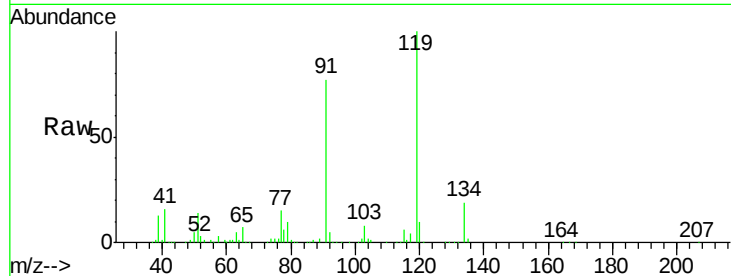




#83
tert-Butylbenzene
Concen: 20.926 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

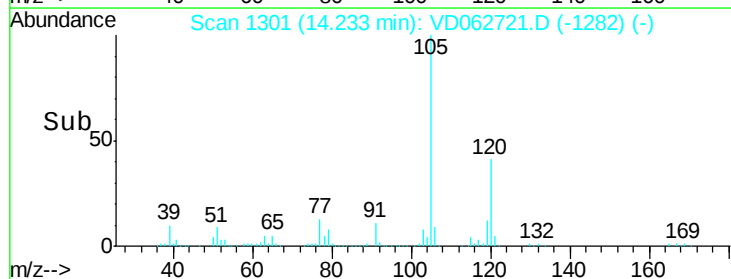
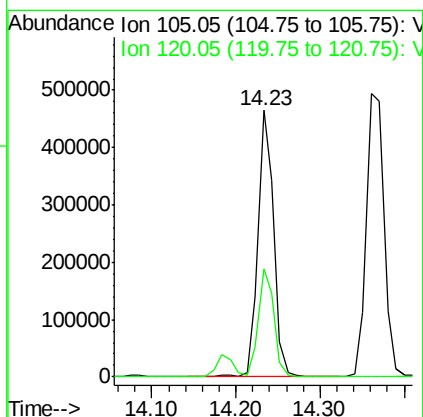
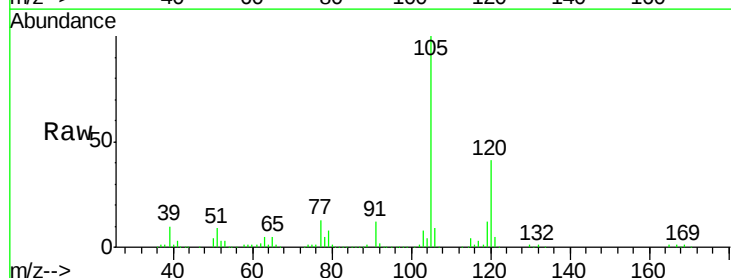
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

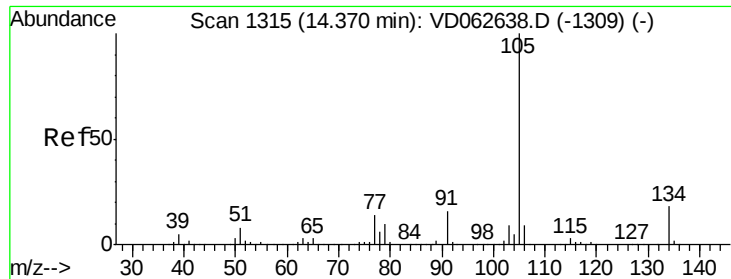
Tot Ion:119 Resp: 697965
Ion Ratio Lower Upper
119 100
91 77.3 35.4 106.1
134 19.4 10.8 32.3



#84
1,2,4-Trimethylbenzene
Concen: 20.521 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion:105 Resp: 614447
Ion Ratio Lower Upper
105 100
120 40.5 20.3 60.8





#85

sec-Butylbenzene

Concen: 20.745 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

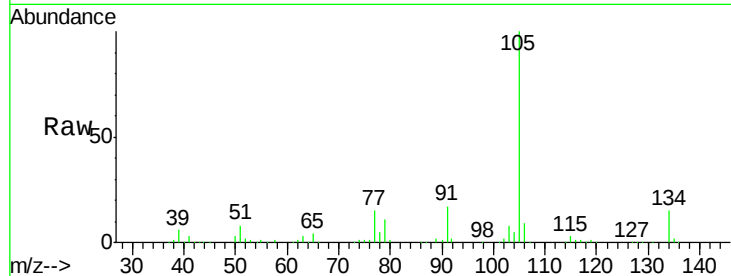
VD0617SBSD01

Tot Ion:105 Resp: 725570

Ion Ratio Lower Upper

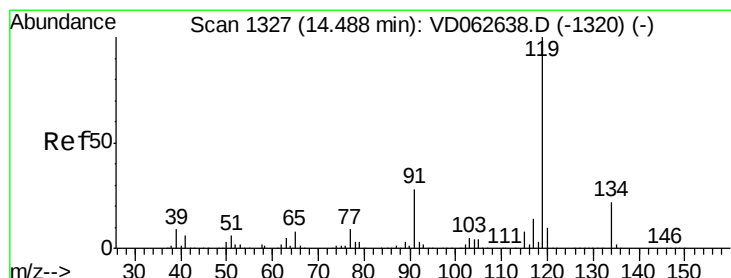
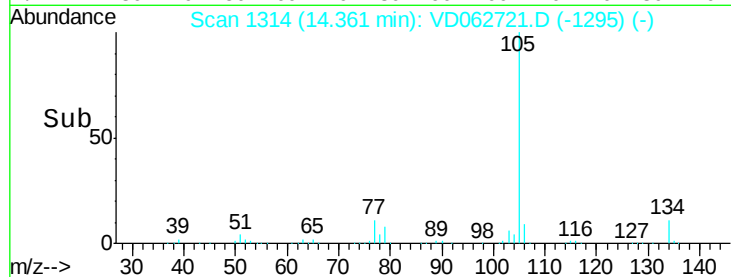
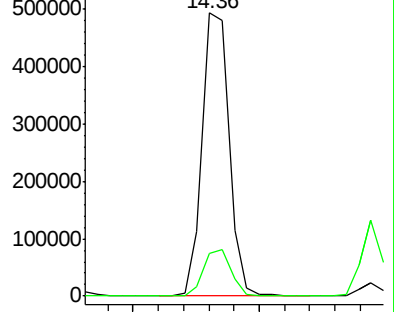
105 100

134 14.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.428 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

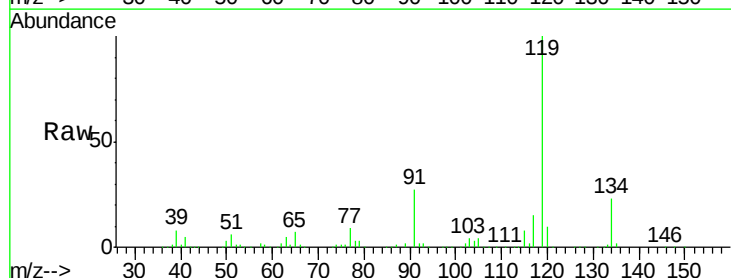
Tgt Ion:119 Resp: 695660

Ion Ratio Lower Upper

119 100

134 22.9 10.9 32.6

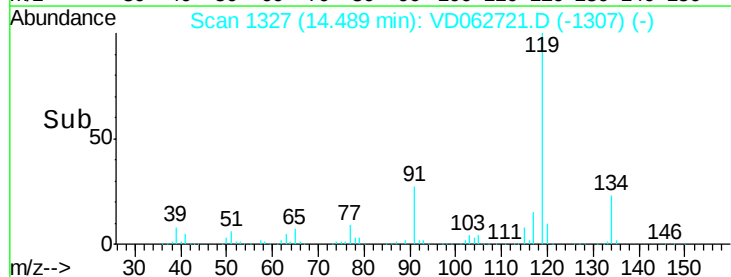
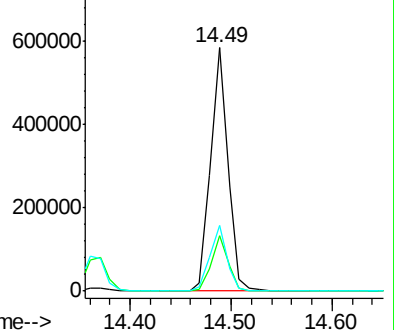
91 27.2 13.9 41.6

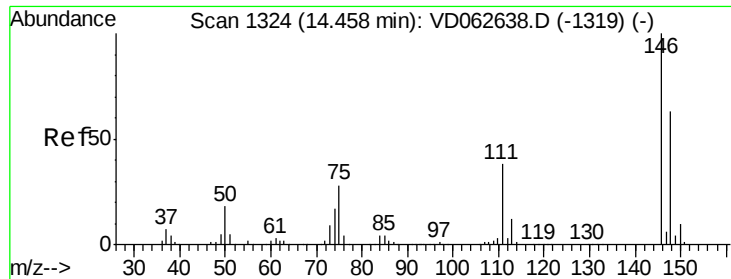


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

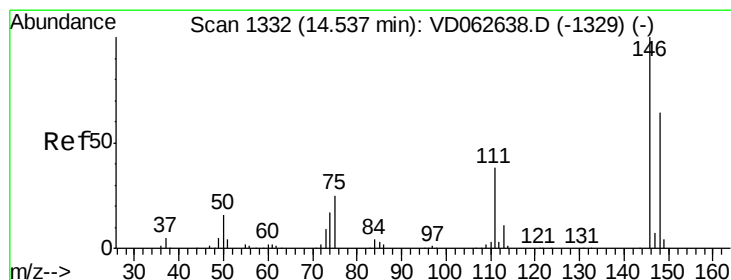
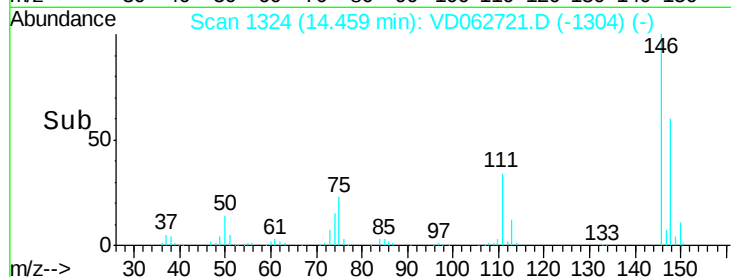
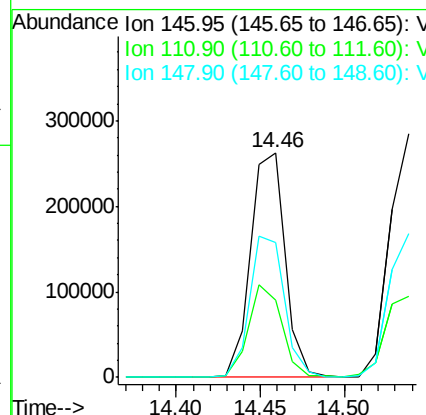
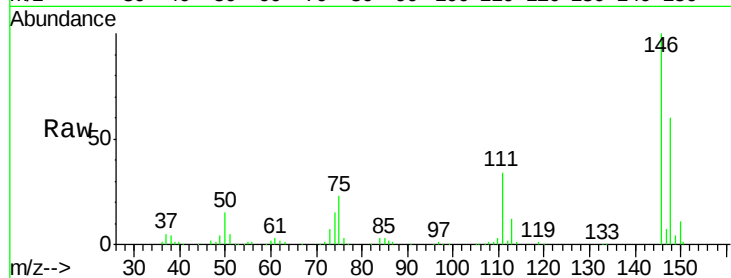




#87
 1,3-Dichlorobenzene
 Concen: 21.183 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

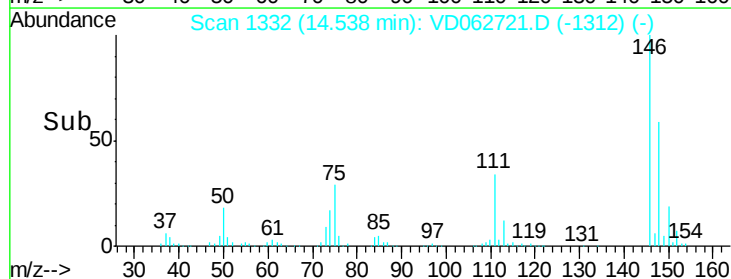
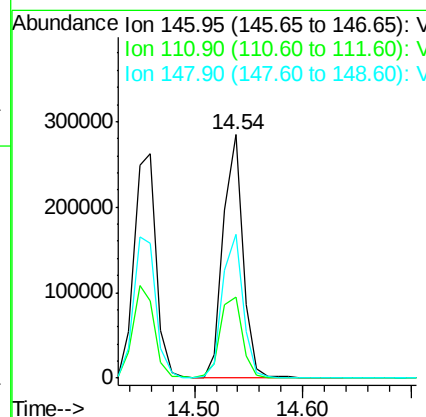
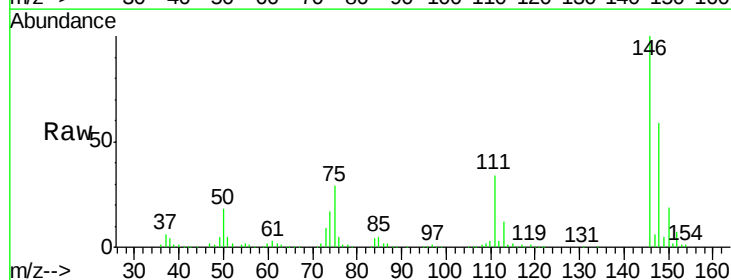
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

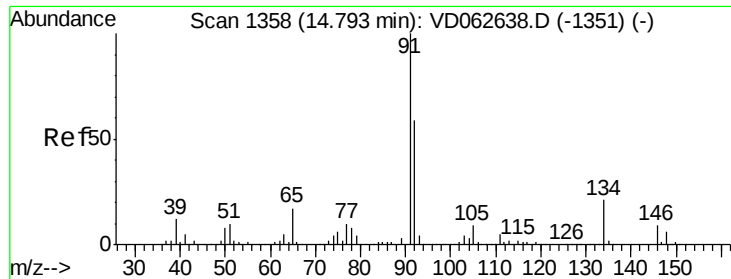
Tot Ion:146 Resp: 375309
 Ion Ratio Lower Upper
 146 100
 111 34.3 19.2 57.6
 148 60.3 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 21.628 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion:146 Resp: 362139
 Ion Ratio Lower Upper
 146 100
 111 33.5 18.9 56.7
 148 59.1 32.3 96.8

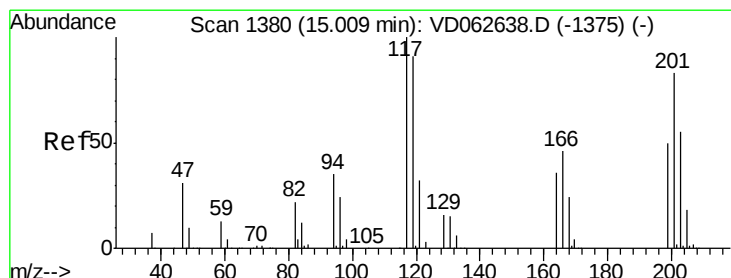
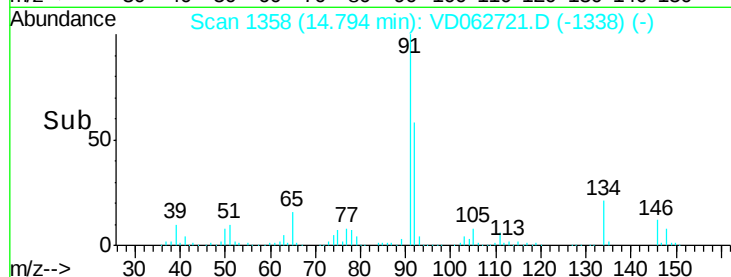
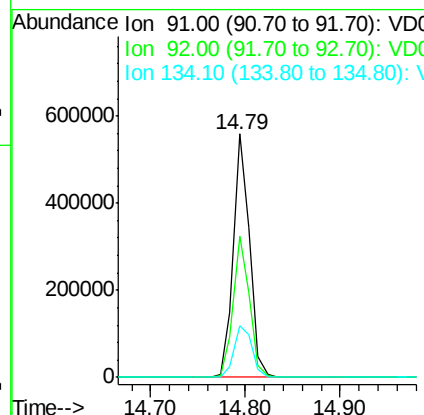
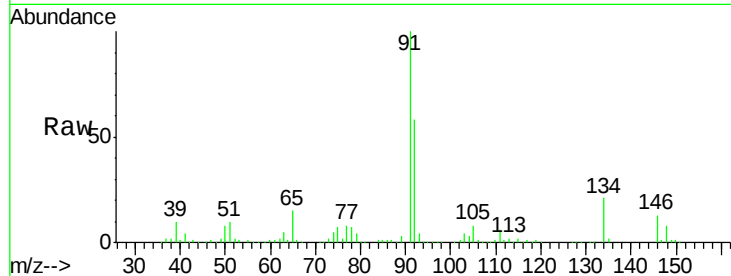




#89
n-Butylbenzene
Concen: 21.549 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

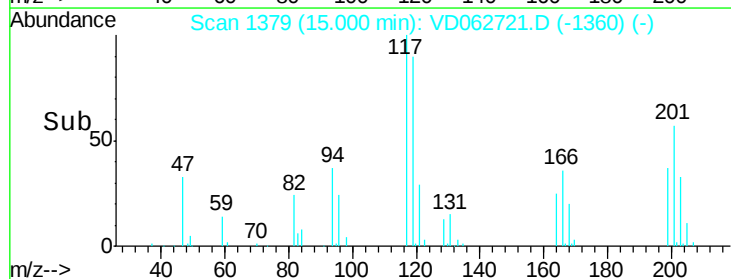
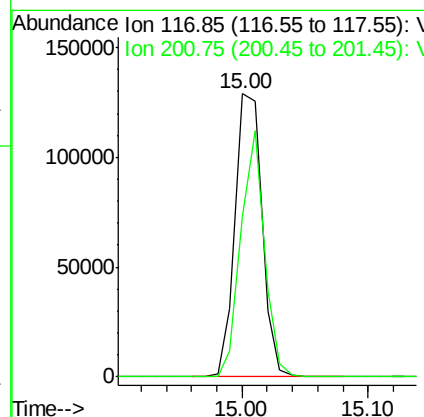
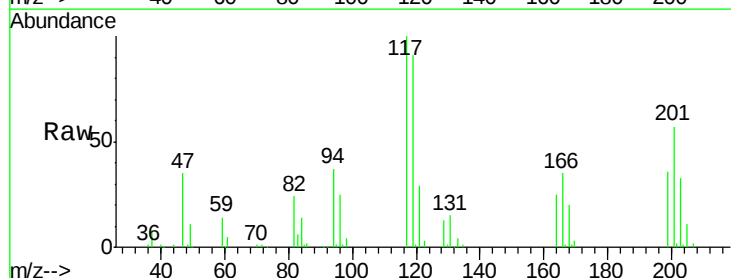
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

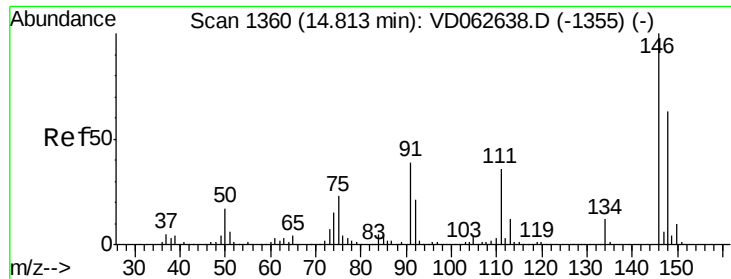
Tot Ion: 91 Resp: 660176
Ion Ratio Lower Upper
91 100
92 58.1 29.4 88.3
134 21.3 10.4 31.2



#90
Hexachloroethane
Concen: 21.151 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion: 117 Resp: 190148
Ion Ratio Lower Upper
117 100
201 56.7 41.5 124.6





#91

1,2-Dichlorobenzene

Concen: 21.780 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBSD01

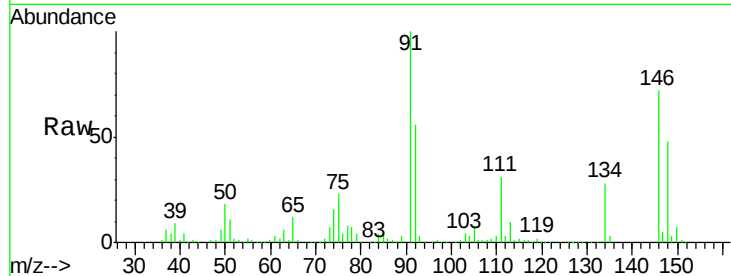
Tot Ion:146 Resp: 320768

Ion Ratio Lower Upper

146 100

111 42.9 18.1 54.3

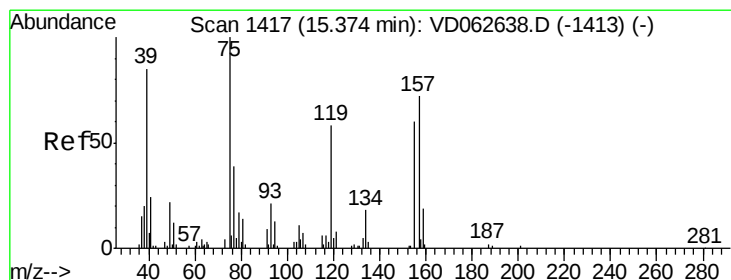
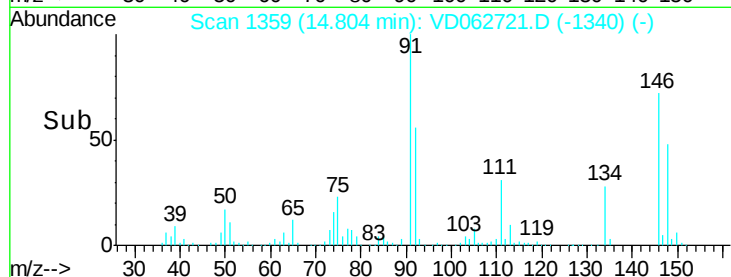
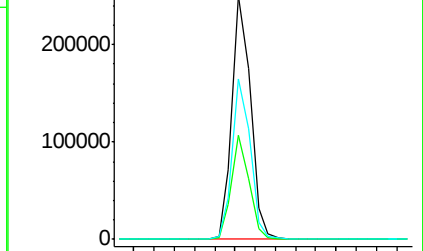
148 66.1 31.4 94.0



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: 18.021 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD062721.D

Acq: 17 Jun 2019 12:45

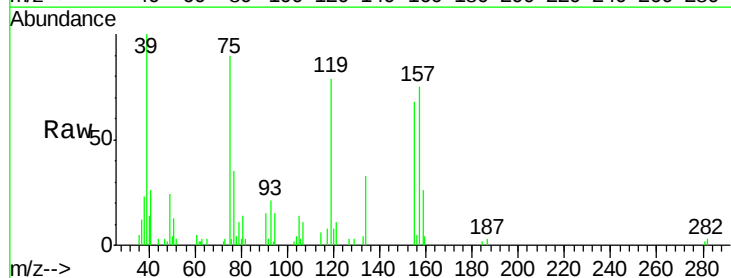
Tgt Ion: 75 Resp: 22537

Ion Ratio Lower Upper

75 100

155 74.6 30.1 90.5

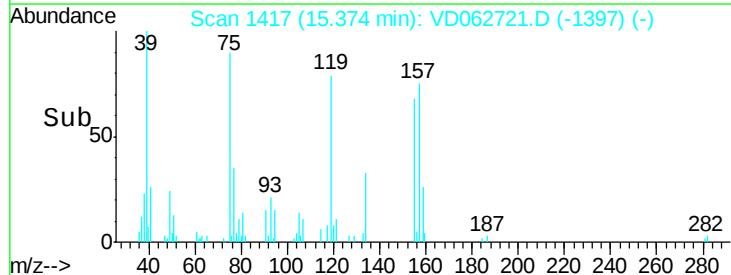
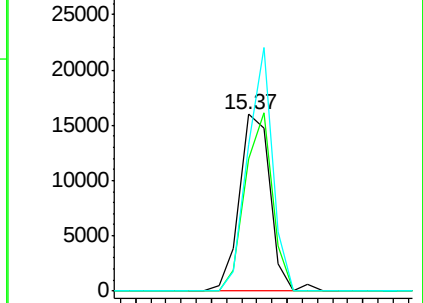
157 82.7 35.9 107.8

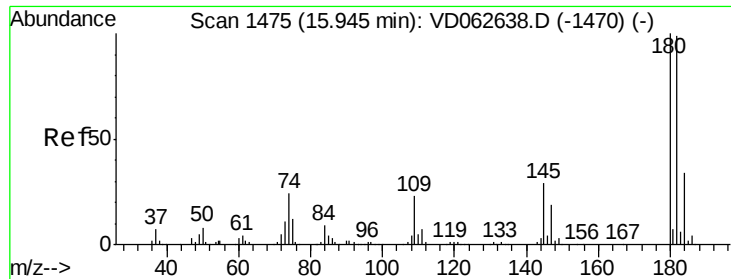


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

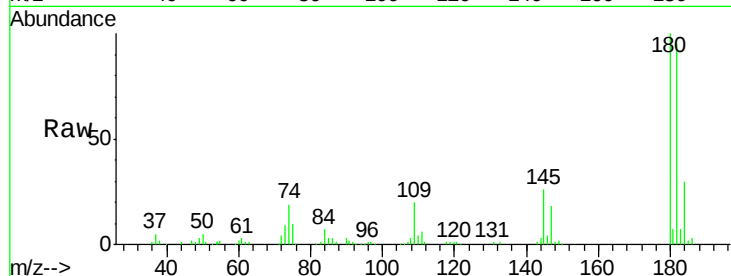




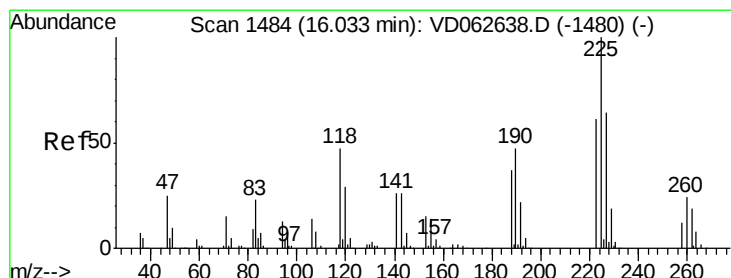
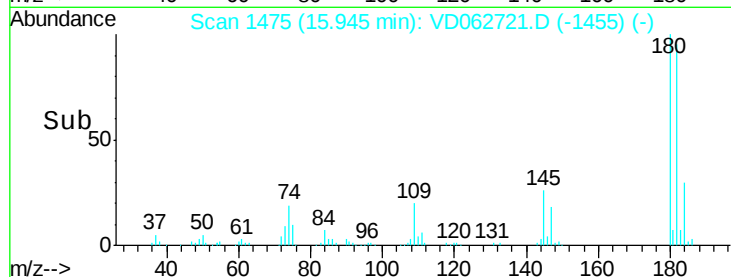
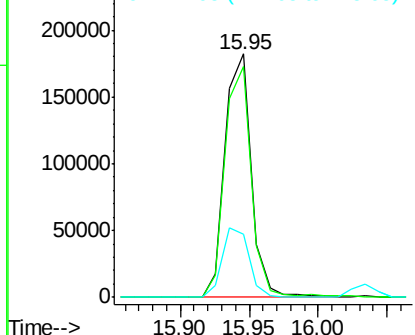
#93
 1,2,4-Trichlorobenzene
 Concen: 21.556 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBSD01

Tot Ion:180 Resp: 242009
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.4 148.2
 145 25.9 14.5 43.6

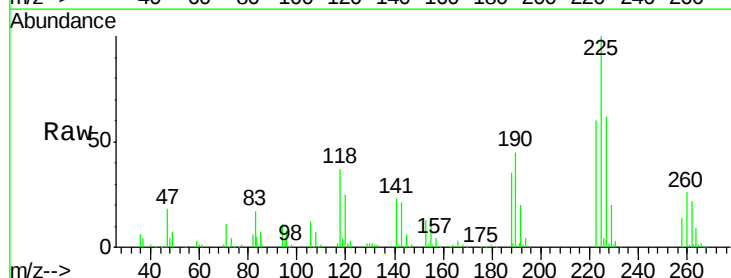


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

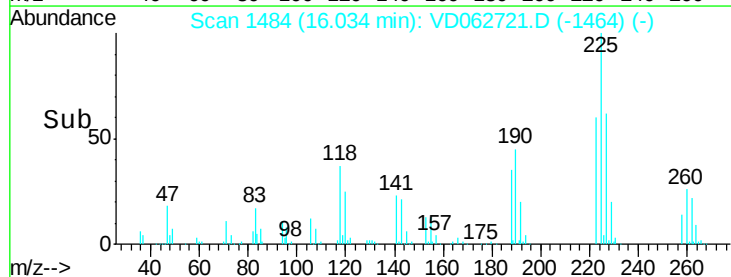
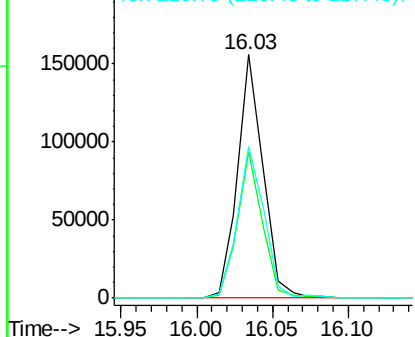


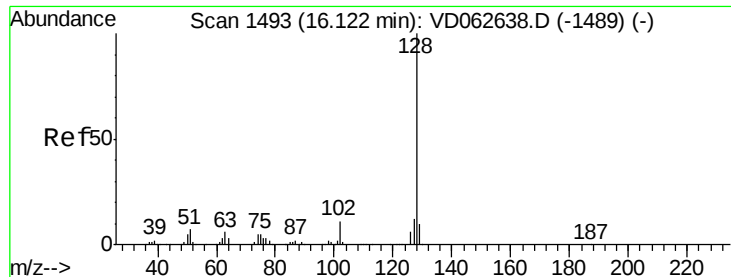
#94
 Hexachlorobutadiene
 Concen: 20.851 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062721.D
 Acq: 17 Jun 2019 12:45

Tgt Ion:225 Resp: 181314
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.3 91.0
 227 62.1 31.8 95.4



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

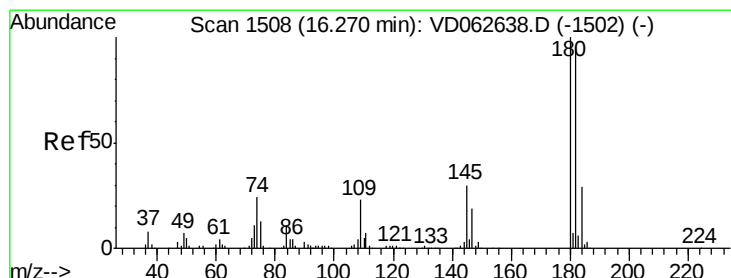
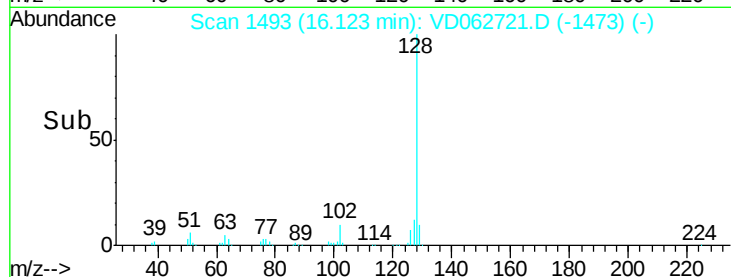
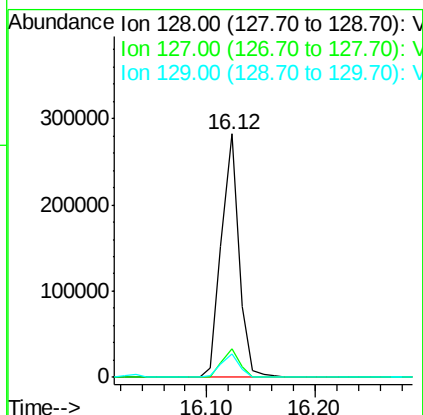
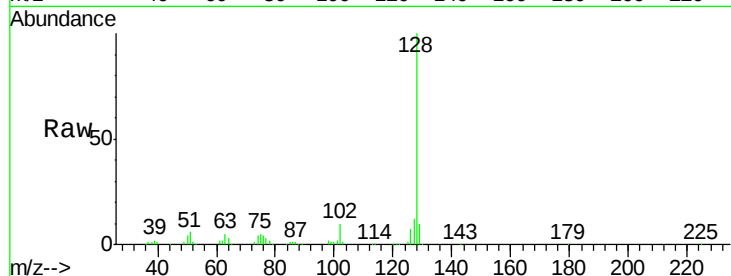




#95
Naphthalene
Concen: 20.494 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBSD01

Tot Ion:128 Resp: 322485
Ion Ratio Lower Upper
128 100
127 11.9 9.7 14.5
129 9.7 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 21.696 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062721.D
Acq: 17 Jun 2019 12:45

Tgt Ion:180 Resp: 184050
Ion Ratio Lower Upper
180 100
182 96.9 47.7 143.1
145 30.1 15.0 45.0

