

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062767.D
 Acq On : 19 Jun 2019 1:56
 Operator : VA/AP
 Sample : VD0618SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS02

Quant Time: Jun 19 02:30:53 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	7.04	168	544135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	731898	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	624833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	349262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	384030	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	6.92	113	395340	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.40	98	838340	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	13.55	95	405507	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	156131	23.304	ug/l	94
3) Chloromethane	1.73	50	124533	23.130	ug/l	90
4) Vinyl Chloride	1.84	62	122538	22.072	ug/l	94
5) Bromomethane	2.13	94	53253	19.002	ug/l	92
6) Chloroethane	2.25	64	56111	20.471	ug/l	92
7) Trichlorofluoromethane	2.52	101	269406	21.680	ug/l	97
8) Diethyl Ether	2.86	74	34615	20.481	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.13	101	153936	22.970	ug/l	95
10) Methyl Iodide	3.28	142	173293	20.394	ug/l	95
11) Tert butyl alcohol	4.07	59	33063	102.442	ug/l #	86
12) 1,1-Dichloroethene	3.11	96	109510	22.770	ug/l	96
13) Acrolein	3.02	56	8446	81.353	ug/l	94
14) Allyl chloride	3.60	41	155573	21.038	ug/l	87
15) Acrylonitrile	4.18	53	79428	108.298	ug/l	99
16) Acetone	3.21	43	147712	102.735	ug/l	99
17) Carbon Disulfide	3.35	76	281145	19.837	ug/l #	95
18) Methyl Acetate	3.63	43	59288	25.091	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	251192	21.415	ug/l	100
20) Methylene Chloride	3.80	84	114371	20.796	ug/l #	89
21) trans-1,2-Dichloroethene	4.20	96	108900	20.643	ug/l	93
22) Diisopropyl ether	5.12	45	331212	21.571	ug/l	88
23) Vinyl Acetate	5.05	43	1012879	106.330	ug/l	99
24) 1,1-Dichloroethane	4.98	63	210318	21.292	ug/l	98
25) 2-Butanone	6.05	43	146881	104.714	ug/l	99
26) 2,2-Dichloropropane	6.01	77	221359	19.444	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	122638	21.444	ug/l	95
28) Bromochloromethane	6.43	49	74378	19.698	ug/l	94
29) Tetrahydrofuran	6.44	42	69015	109.257	ug/l	99
30) Chloroform	6.65	83	280658	22.145	ug/l	91
31) Cyclohexane	6.95	56	121812	19.659	ug/l	93
32) 1,1,1-Trichloroethane	6.86	97	273237	21.667	ug/l	94
36) 1,1-Dichloropropene	7.13	75	155382	18.550	ug/l #	87
37) Ethyl Acetate	6.18	43	72347	20.971	ug/l #	94
38) Carbon Tetrachloride	7.10	117	277980	20.996	ug/l	94

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 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	147476	21.787	ug/l	92
40) Benzene	7.45	78	343484	20.997	ug/l	97
41) Methacrylonitrile	6.44	41	95825	21.853	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	213874	21.935	ug/l	99
43) Isopropyl Acetate	9.24	43	93381	21.128	ug/l #	94
44) Trichloroethene	8.53	130	136826	20.603	ug/l	82
45) 1,2-Dichloropropane	8.94	63	87361	22.233	ug/l	97
46) Dibromomethane	9.06	93	79141	22.691	ug/l #	87
47) Bromodichloromethane	9.37	83	211322	22.273	ug/l	99
48) Methyl methacrylate	9.11	41	70112	21.957	ug/l	90
49) 1,4-Dioxane	9.08	88	13459	496.345	ug/l #	82
51) 4-Methyl-2-Pentanone	10.29	43	355333	114.896	ug/l	92
52) Toluene	10.51	92	246232	22.393	ug/l	94
53) t-1,3-Dichloropropene	10.90	75	160005	20.569	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	175695	21.853	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	89015	23.605	ug/l	93
56) Ethyl methacrylate	11.04	69	88155	21.813	ug/l	95
57) 1,3-Dichloropropane	11.41	76	136109	23.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	251445	124.756	ug/l	91
59) 2-Hexanone	11.53	43	239344	104.040	ug/l	100
60) Dibromochloromethane	11.68	129	170391	22.890	ug/l	100
61) 1,2-Dibromoethane	11.80	107	103504	22.933	ug/l	96
64) Tetrachloroethene	11.25	164	147635	25.240	ug/l	96
65) Chlorobenzene	12.40	112	307921	22.279	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.51	131	142337	21.593	ug/l	99
67) Ethyl Benzene	12.52	91	538563	21.978	ug/l	99
68) m/p-Xylenes	12.67	106	368926	42.825	ug/l	100
69) o-Xylene	13.05	106	173644	21.947	ug/l	100
70) Styrene	13.07	104	310693	22.008	ug/l	99
71) Bromoform	13.24	173	100888	21.653	ug/l	92
73) Isopropylbenzene	13.40	105	560407	22.764	ug/l	99
74) N-amyl acetate	13.27	43	145442	21.861	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	89844	21.329	ug/l	91
76) 1,2,3-Trichloropropane	13.73	75	107175	22.631	ug/l	98
77) Bromobenzene	13.67	156	160831	22.858	ug/l	98
78) n-propylbenzene	13.77	91	650661	21.593	ug/l	100
79) 2-Chlorotoluene	13.84	91	410829	23.285	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	493203	22.669	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	26157	21.069	ug/l	96
82) 4-Chlorotoluene	13.95	91	486664	23.065	ug/l	99
83) tert-Butylbenzene	14.19	119	545768	22.743	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	472420	21.930	ug/l	95
85) sec-Butylbenzene	14.37	105	535254	21.271	ug/l	99
86) p-Isopropyltoluene	14.49	119	542681	22.151	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	287617	22.564	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	276753	22.974	ug/l	98
89) n-Butylbenzene	14.79	91	494227	22.424	ug/l	99
90) Hexachloroethane	15.01	117	141061	21.810	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	246307	23.246	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20645	22.945	ug/l #	47

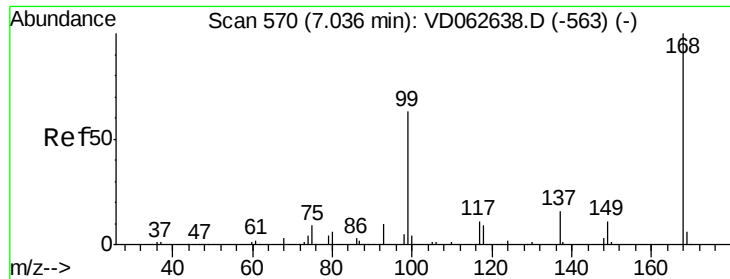
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
Data File : VD062767.D
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	191547	23.358	ug/l	98
94) Hexachlorobutadiene	16.03	225	136667	21.846	ug/l	98
95) Naphthalene	16.12	128	266106	22.999	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	143670	23.541	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

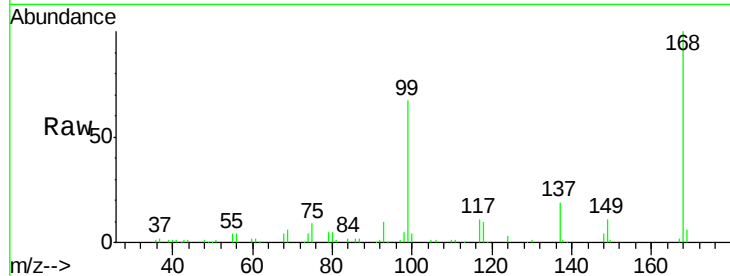
VD0618SBS02

Tot Ion:168 Resp: 544135

Ion Ratio Lower Upper

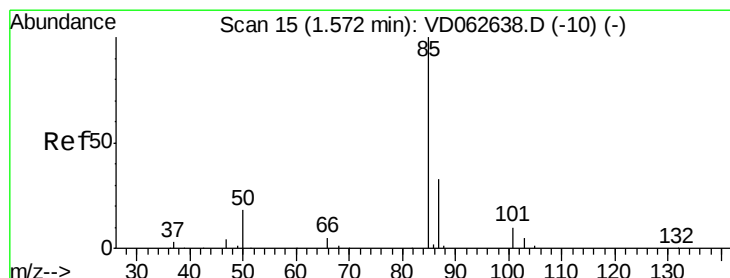
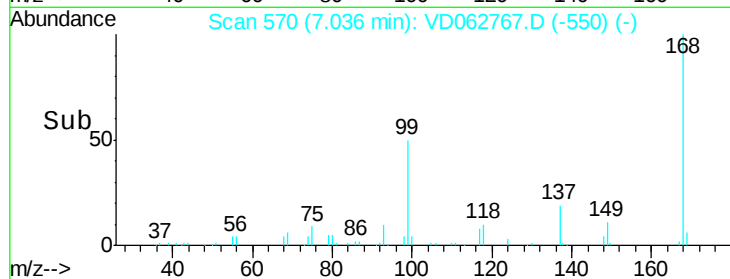
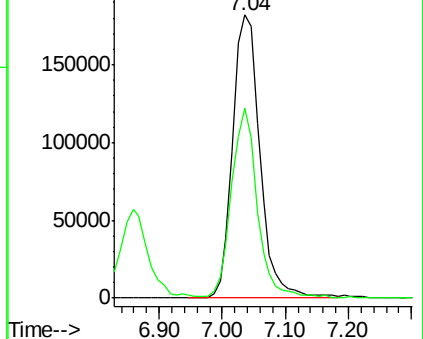
168 100

99 67.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.304 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062767.D

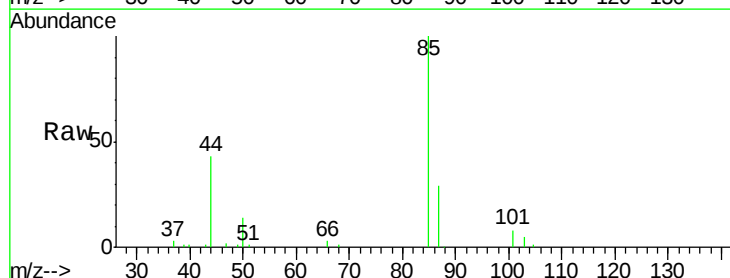
Acq: 19 Jun 2019 1:56

Tgt Ion: 85 Resp: 156131

Ion Ratio Lower Upper

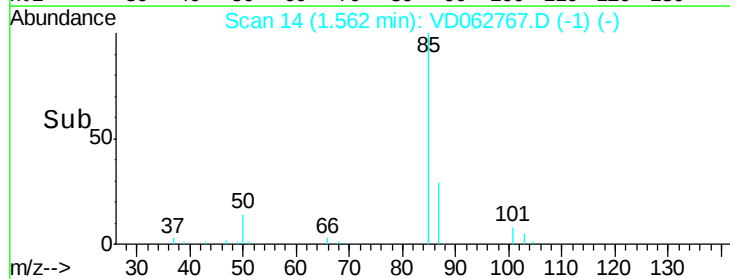
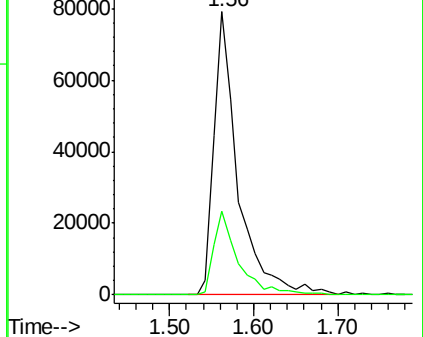
85 100

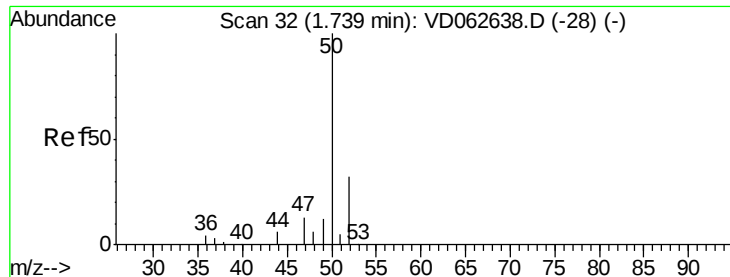
87 29.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.130 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

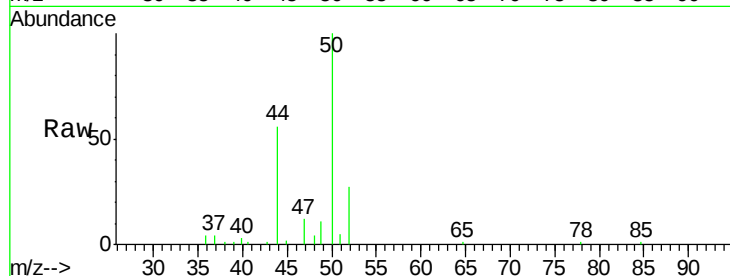
VD0618SBSD02

Tot Ion: 50 Resp: 124533

Ion Ratio Lower Upper

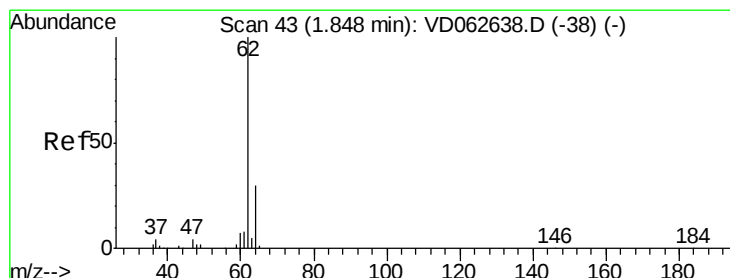
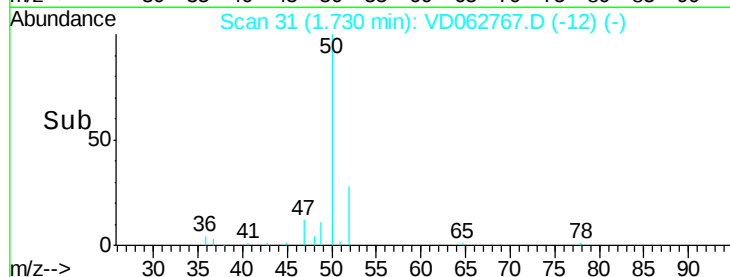
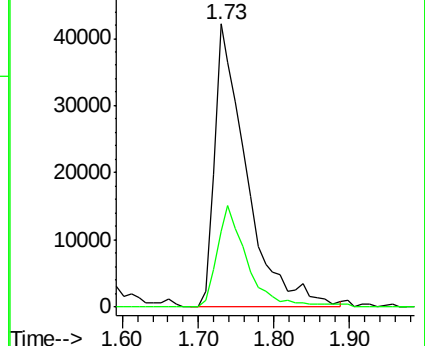
50 100

52 26.9 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: 22.072 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062767.D

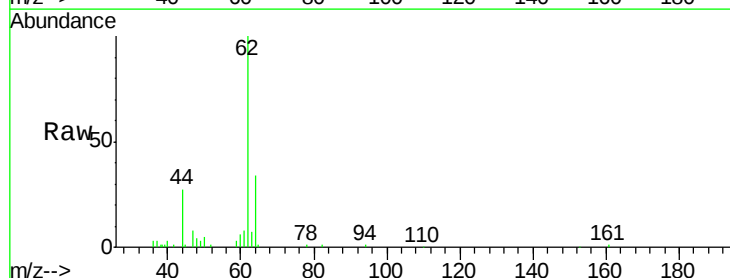
Acq: 19 Jun 2019 1:56

Tgt Ion: 62 Resp: 122538

Ion Ratio Lower Upper

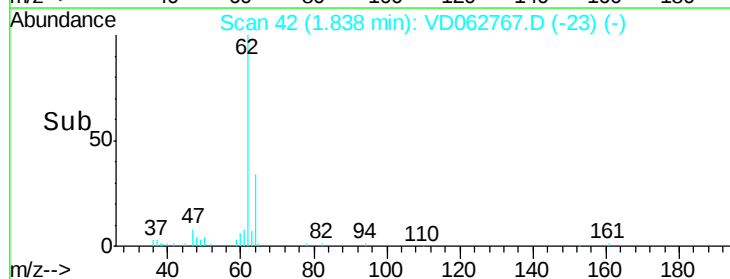
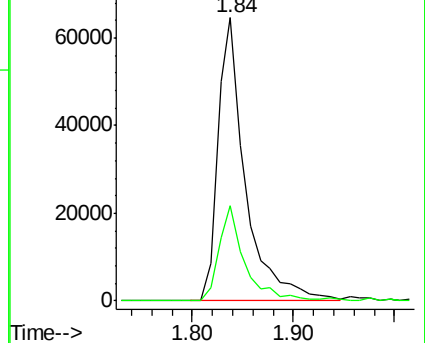
62 100

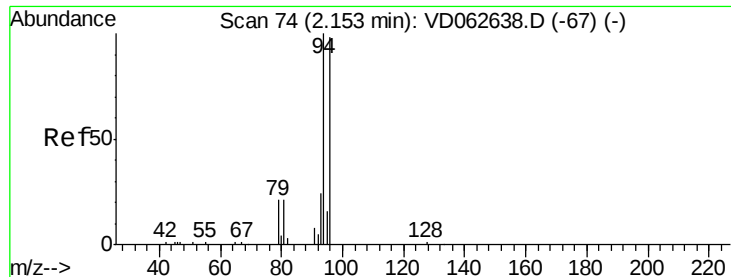
64 33.7 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.002 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

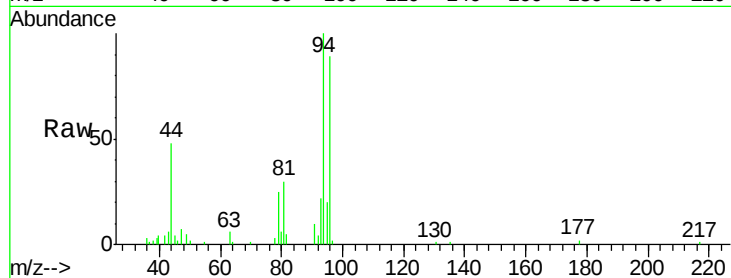
Tot Ion: 94 Resp: 53253

Ion Ratio Lower Upper

94 100

96 89.0 78.1 117.1

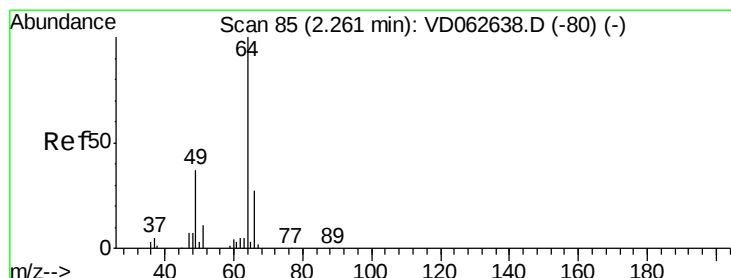
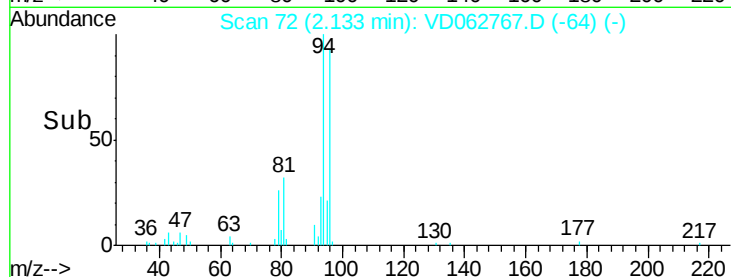
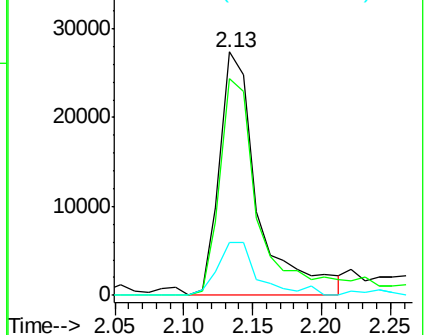
93 21.6 19.6 29.4



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: 20.471 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062767.D

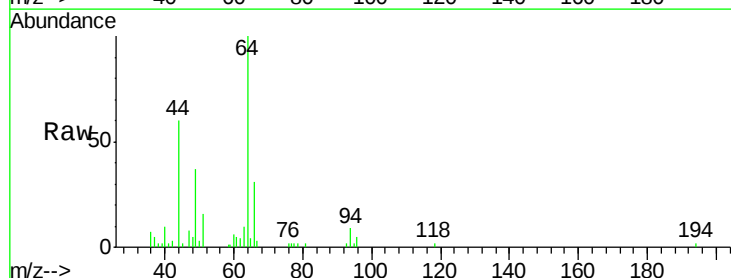
Acq: 19 Jun 2019 1:56

Tgt Ion: 64 Resp: 56111

Ion Ratio Lower Upper

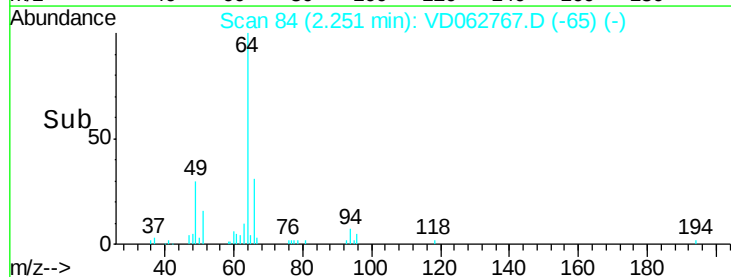
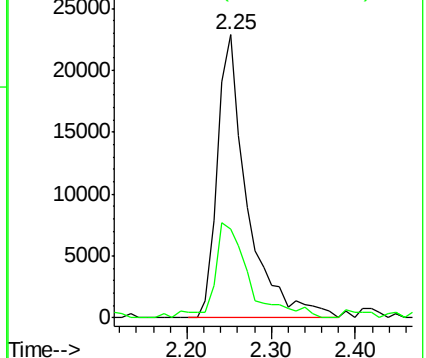
64 100

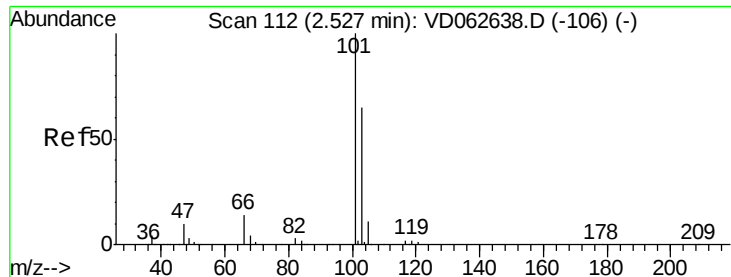
66 31.3 21.9 32.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



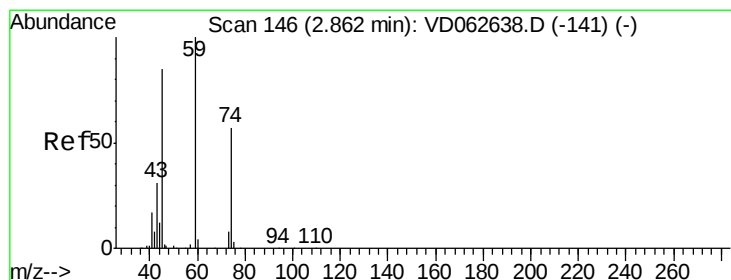
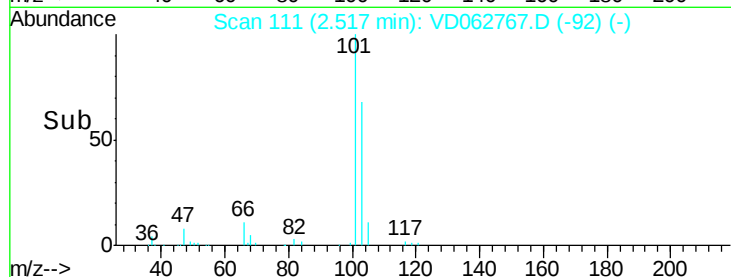
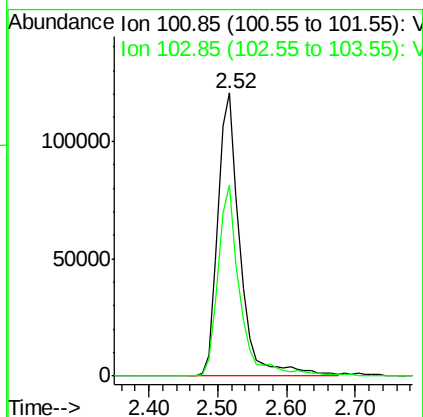
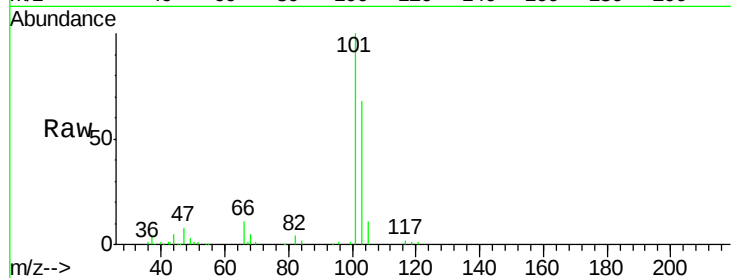


#7

Trichlorofluoromethane
 Concen: 21.680 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Instrument :
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 ClientSampleId :
 VD0618SBSD02

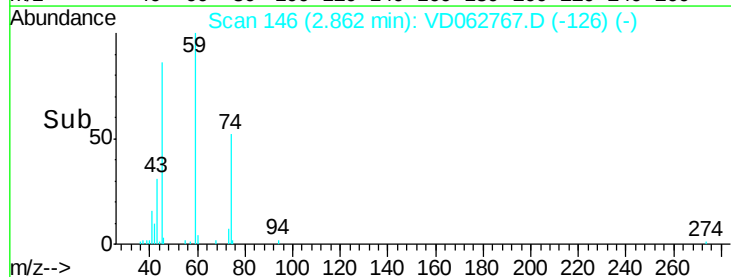
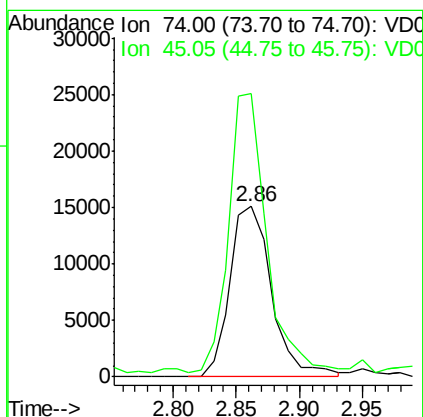
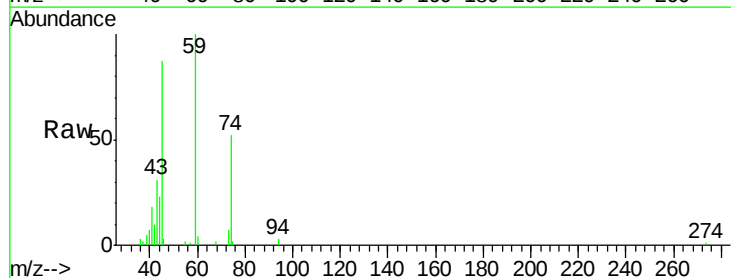
Tot Ion:101 Resp: 269406
 Ion Ratio Lower Upper
 101 100
 103 67.5 52.2 78.2

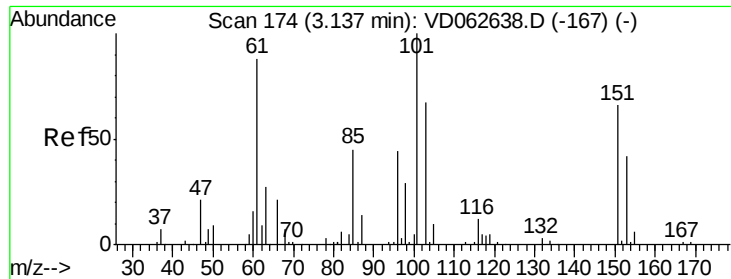


#8

Diethyl Ether
 Concen: 20.481 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion: 74 Resp: 34615
 Ion Ratio Lower Upper
 74 100
 45 171.0 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.970 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

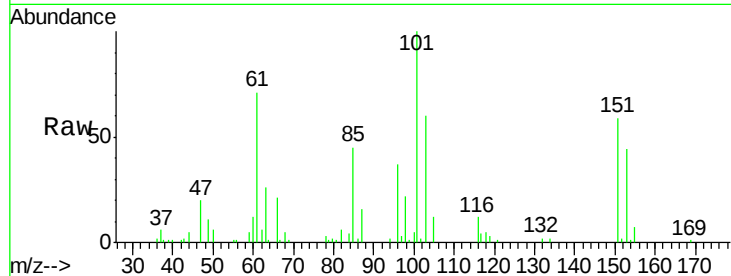
Tot Ion:101 Resp: 153936

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

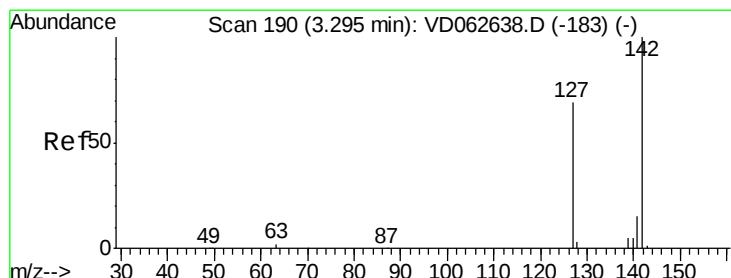
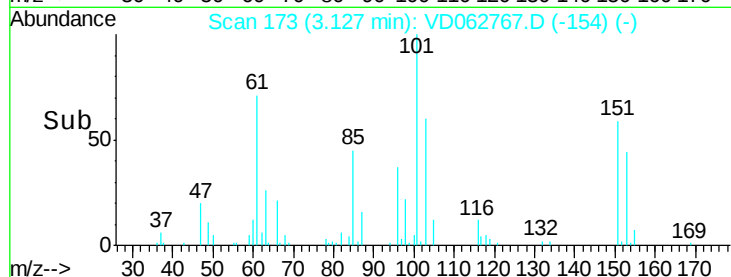
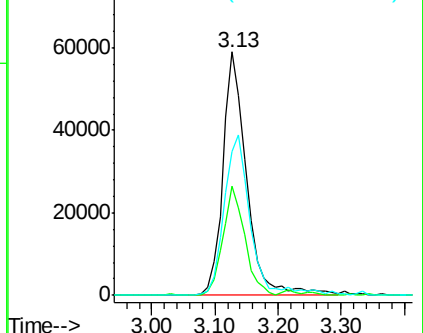
151 58.9 52.6 79.0



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: 20.394 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

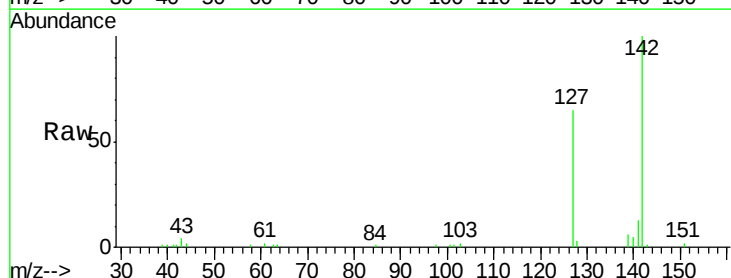
Tgt Ion:142 Resp: 173293

Ion Ratio Lower Upper

142 100

127 65.4 55.2 82.8

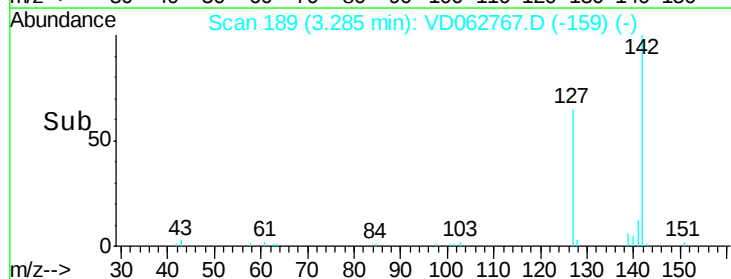
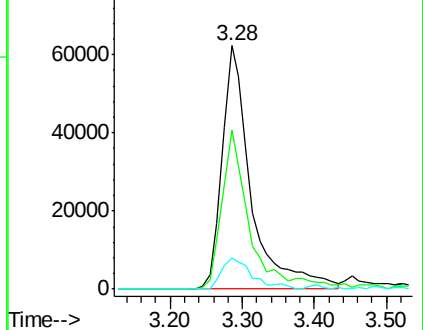
141 13.0 12.1 18.1

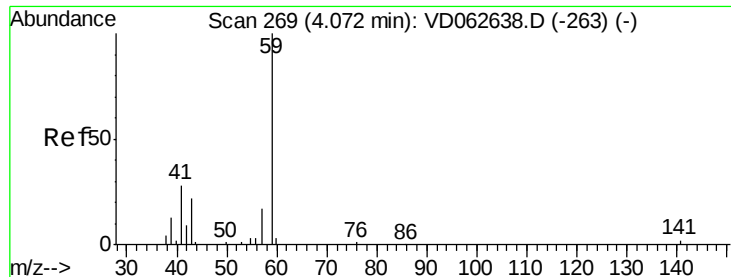


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

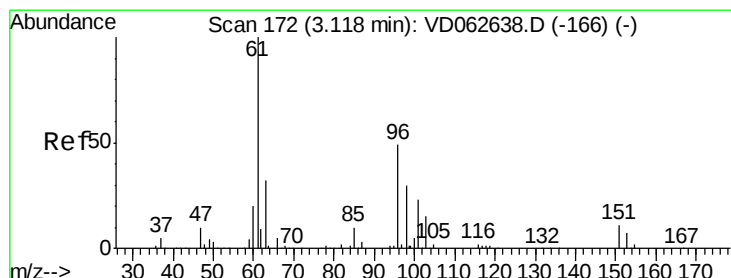
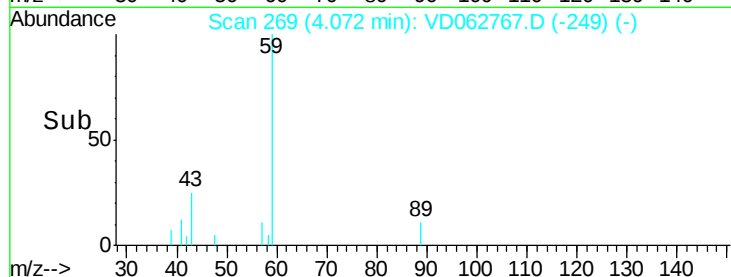
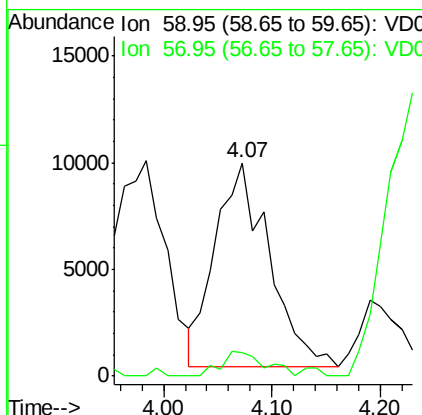
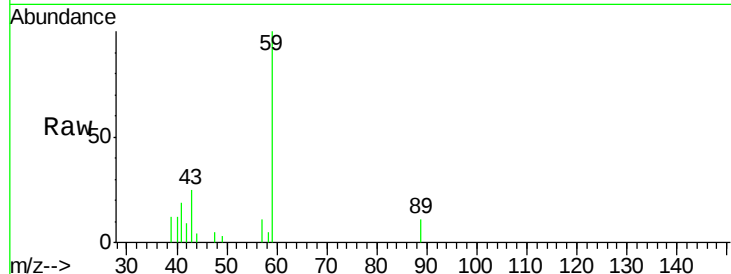




#11
Tert butyl alcohol
Concen: 102.442 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

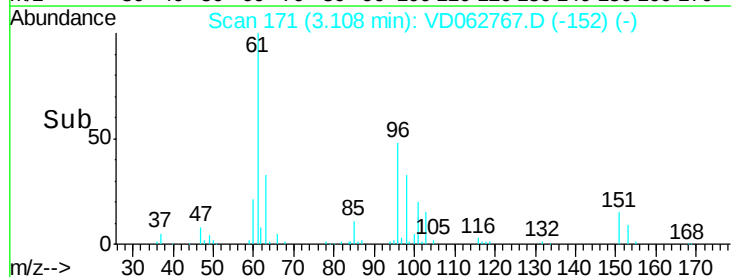
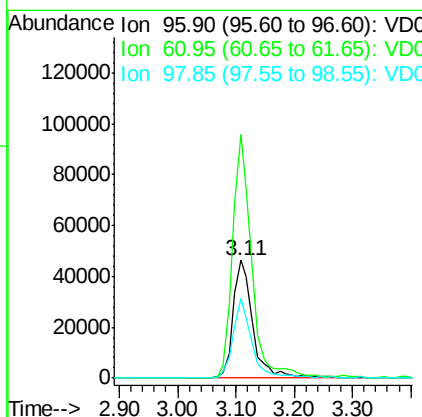
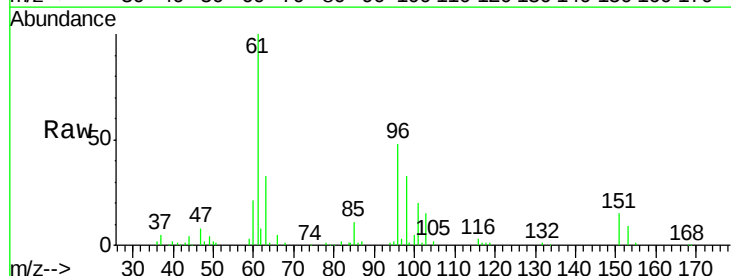
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

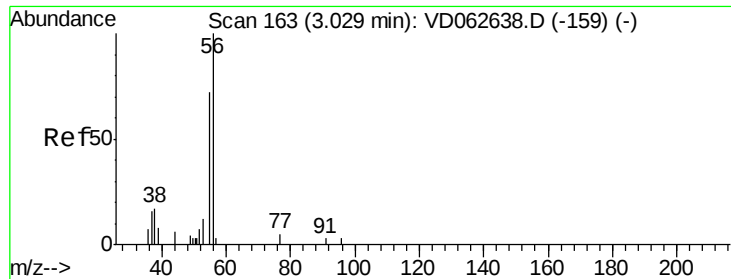
Tot Ion: 59 Resp: 33063
Ion Ratio Lower Upper
59 100
57 11.2 13.7 20.5#



#12
1,1-Dichloroethene
Concen: 22.770 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 96 Resp: 109510
Ion Ratio Lower Upper
96 100
61 206.6 161.8 242.8
98 67.3 48.2 72.4





#13

Acrolein

Concen: 81.353 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

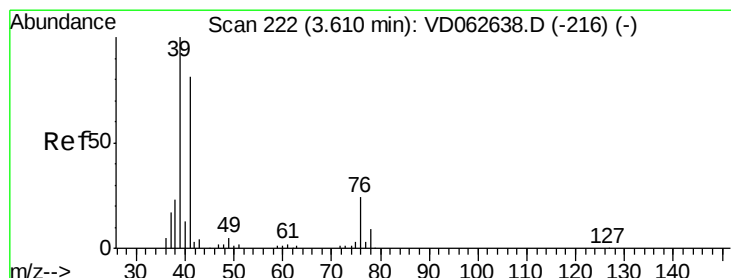
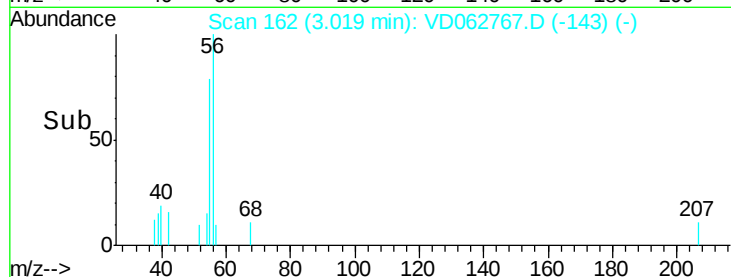
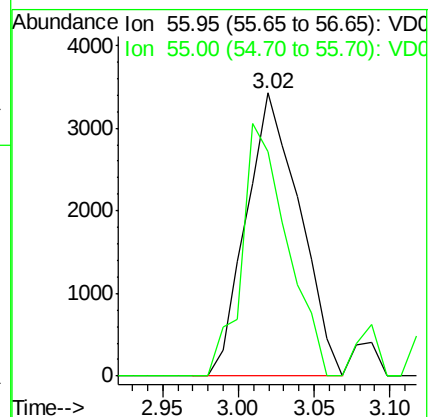
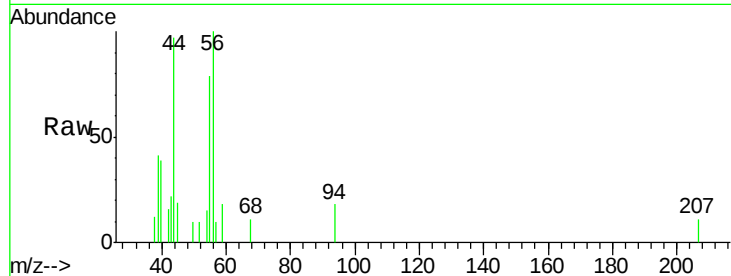
VD0618SBS02

Tot Ion: 56 Resp: 8446

Ion Ratio Lower Upper

56 100

55 79.2 59.4 89.0



#14

Allyl chloride

Concen: 21.038 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

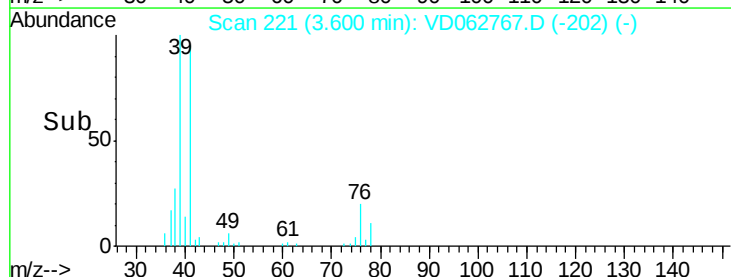
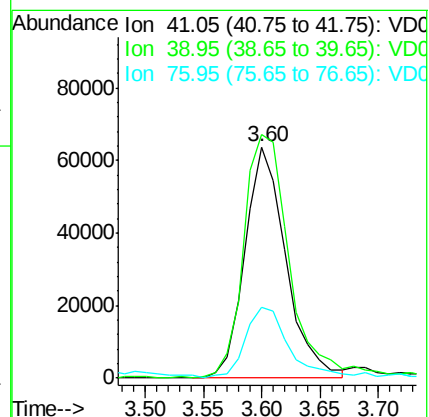
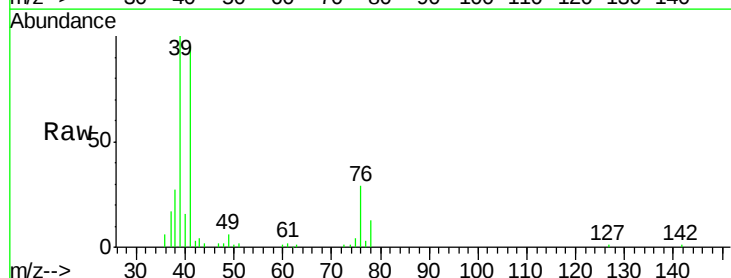
Tgt Ion: 41 Resp: 155573

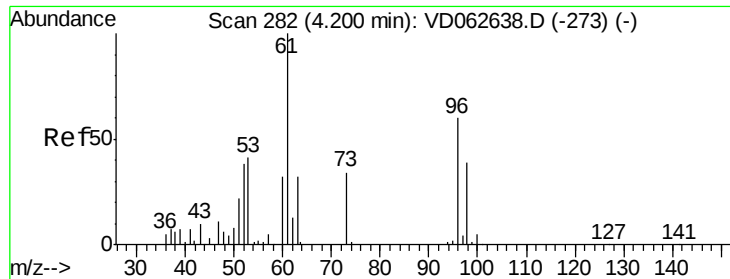
Ion Ratio Lower Upper

41 100

39 105.4 99.1 148.7

76 30.4 25.0 37.6





#15

Acrylonitrile

Concen: 108.298 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD02

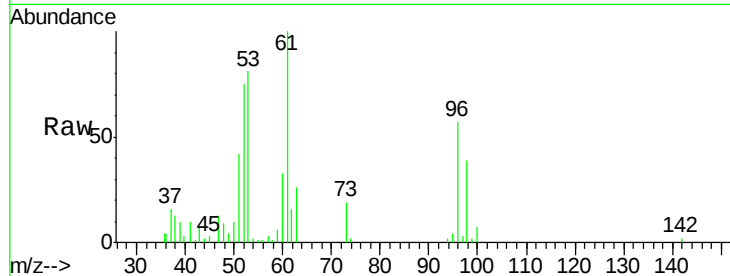
Tot Ion: 53 Resp: 79428

Ion Ratio Lower Upper

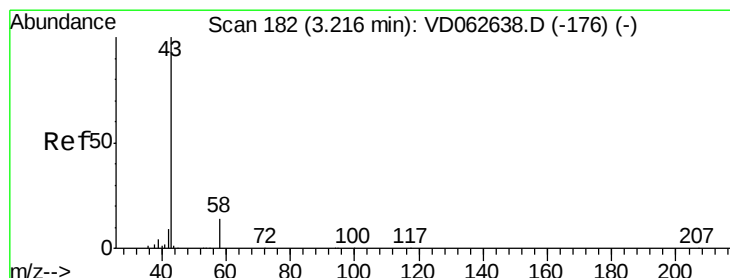
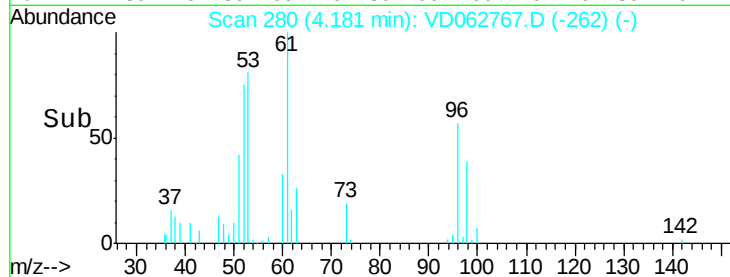
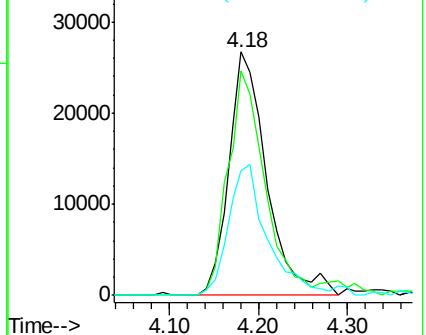
53 100

52 92.0 73.6 110.4

51 51.4 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.735 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062767.D

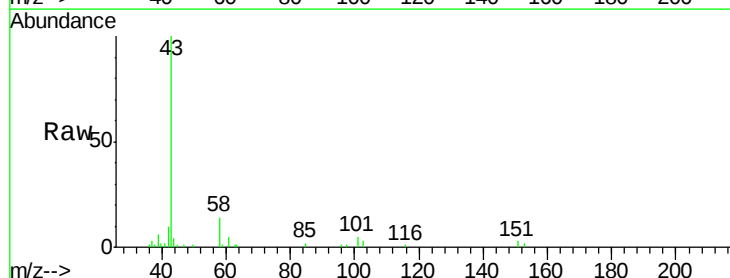
Acq: 19 Jun 2019 1:56

Tgt Ion: 43 Resp: 147712

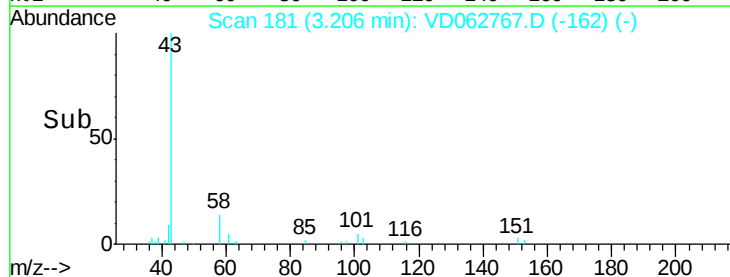
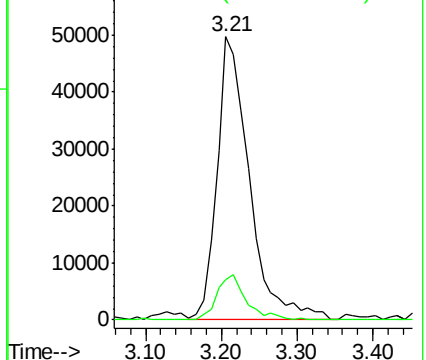
Ion Ratio Lower Upper

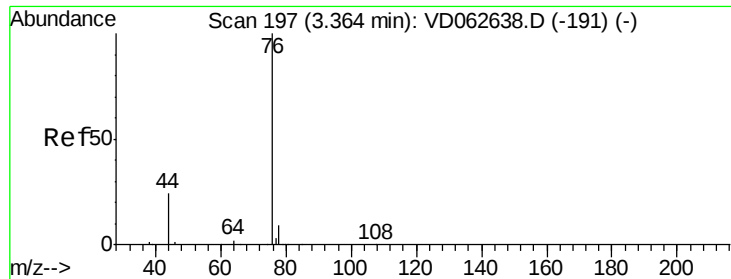
43 100

58 14.0 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

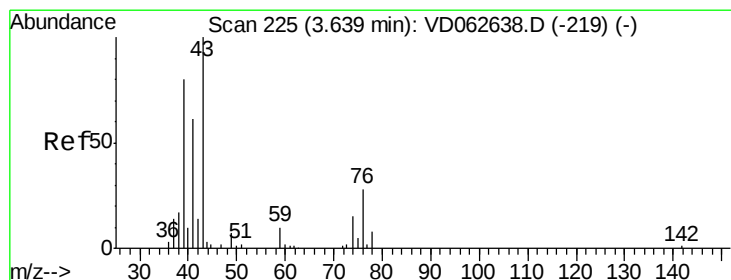
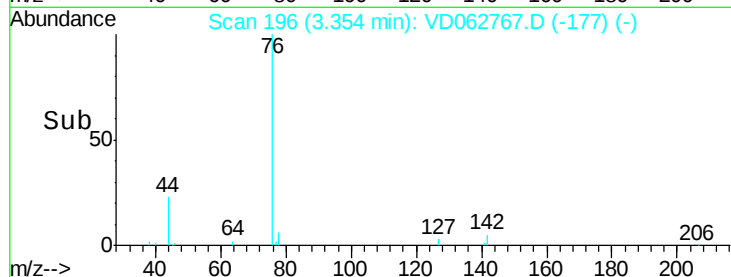
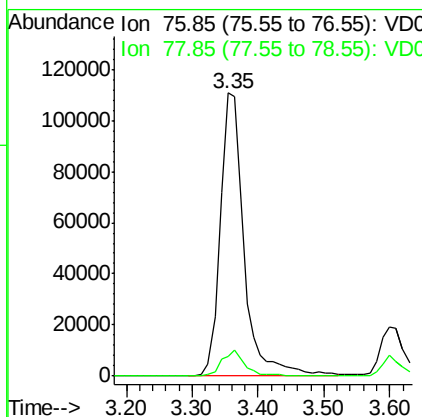
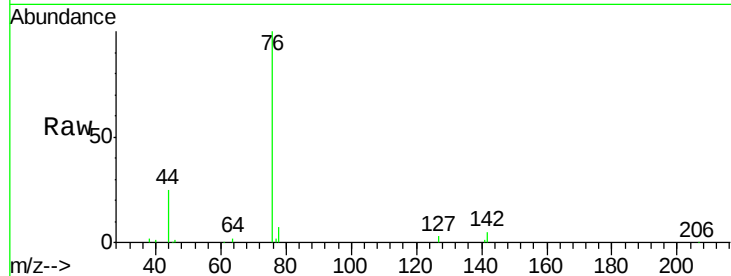




#17
Carbon Disulfide
Concen: 19.837 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

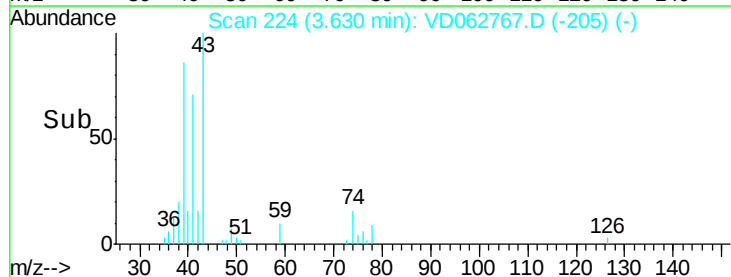
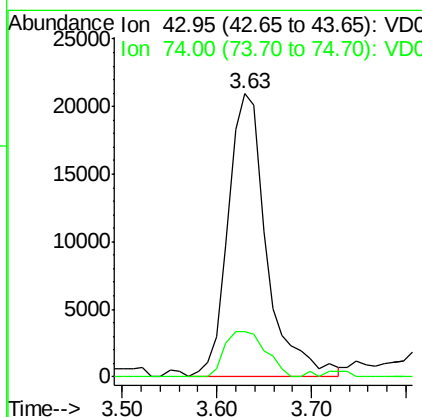
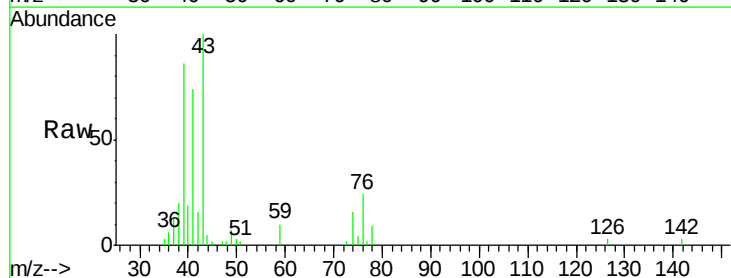
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

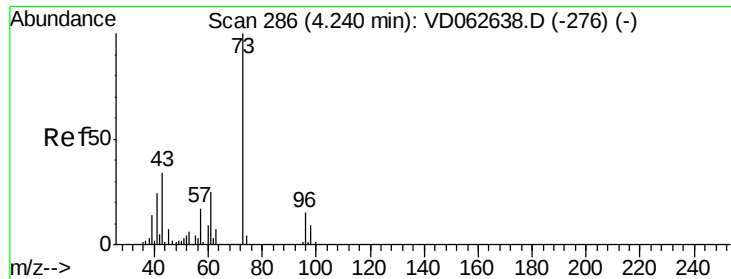
Tot Ion: 76 Resp: 281145
Ion Ratio Lower Upper
76 100
78 6.9 7.0 10.4#



#18
Methyl Acetate
Concen: 25.091 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 43 Resp: 59288
Ion Ratio Lower Upper
43 100
74 16.0 12.1 18.1

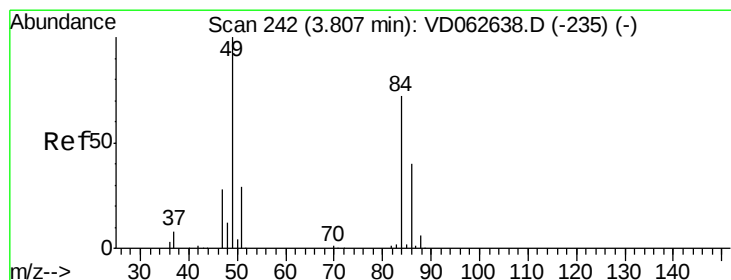
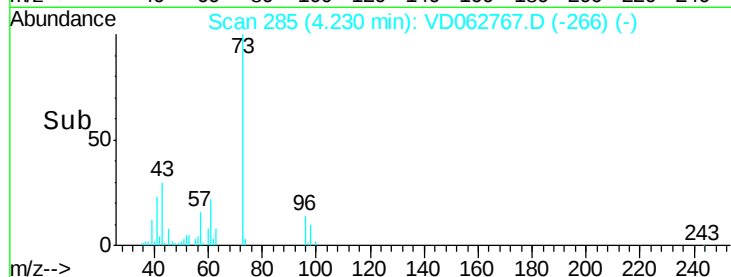
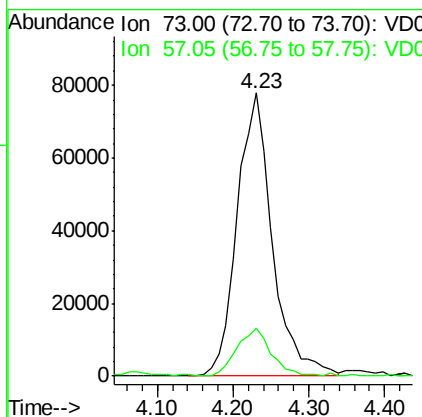
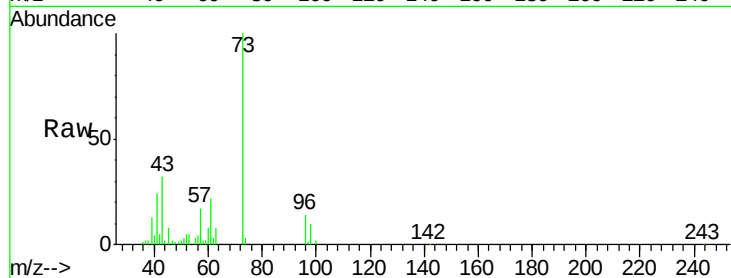




#19
Methyl tert-butyl Ether
Concen: 21.415 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

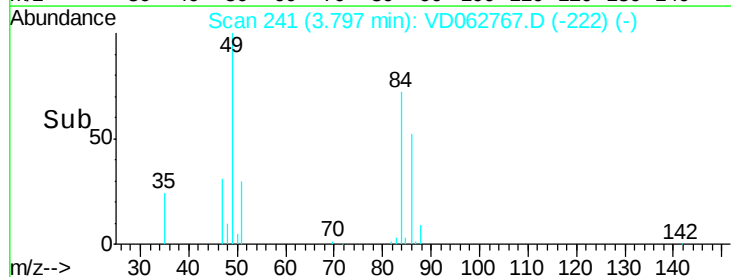
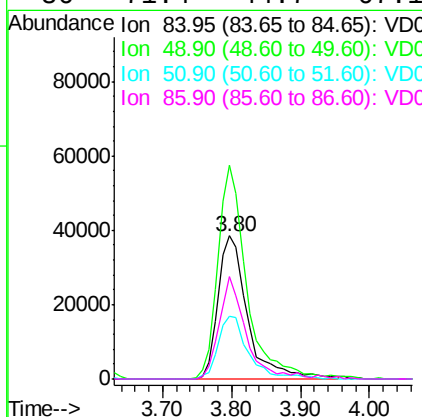
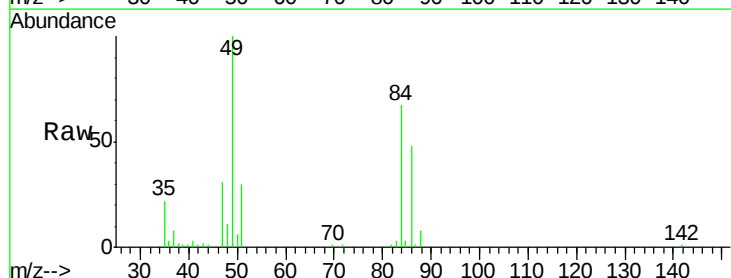
Instrument :
MSVOA_D
ClientSampleID :
VD0618SBS02

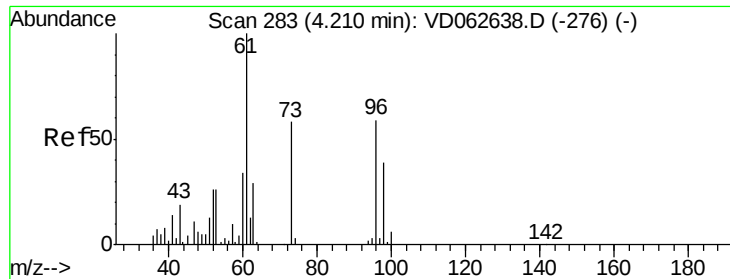
Tot Ion: 73 Resp: 251192
Ion Ratio Lower Upper
73 100
57 17.0 13.5 20.3



#20
Methylene Chloride
Concen: 20.796 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 84 Resp: 114371
Ion Ratio Lower Upper
84 100
49 149.3 111.2 166.8
51 44.0 31.9 47.9
86 71.4 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 20.643 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD02

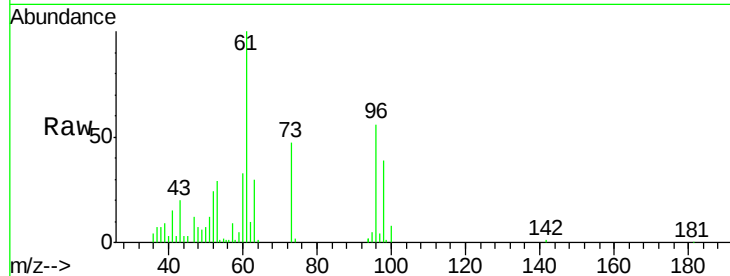
Tot Ion: 96 Resp: 108900

Ion Ratio Lower Upper

96 100

61 177.6 134.6 201.8

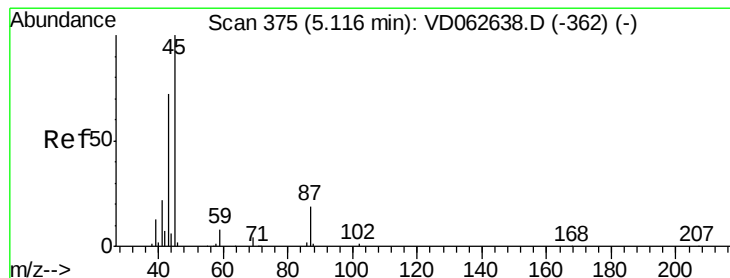
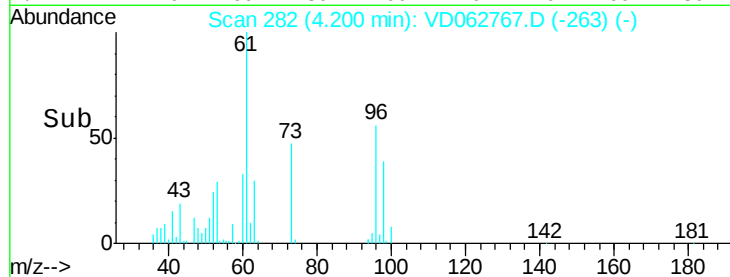
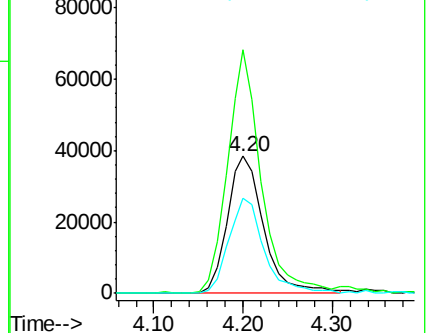
98 69.5 51.8 77.8



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: 21.571 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Tgt Ion: 45 Resp: 331212

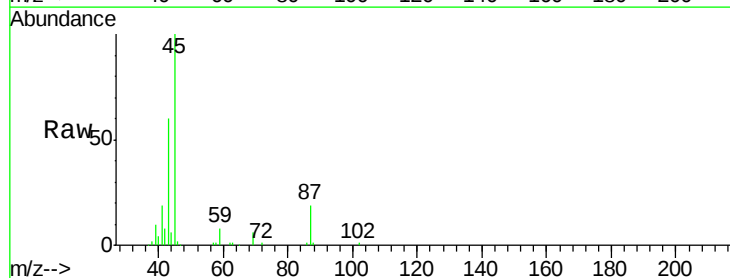
Ion Ratio Lower Upper

45 100

43 60.2 58.8 88.2

87 18.5 15.7 23.5

59 7.8 6.6 9.8

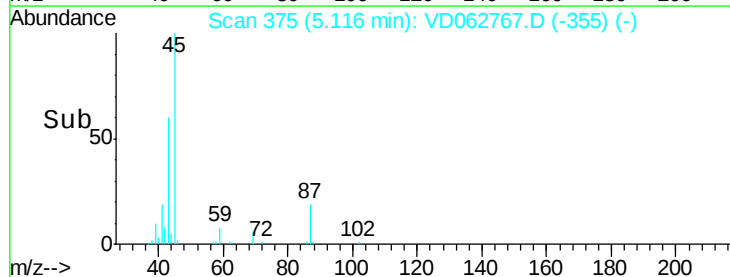
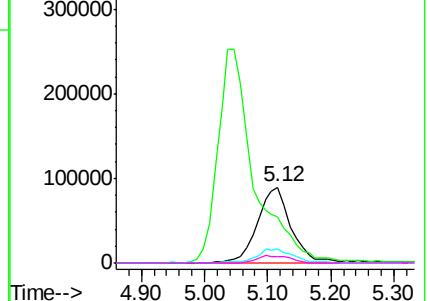


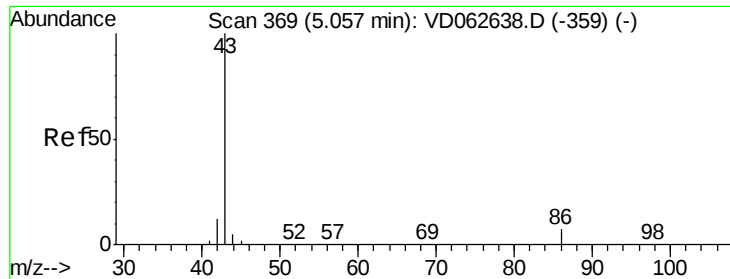
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 106.330 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

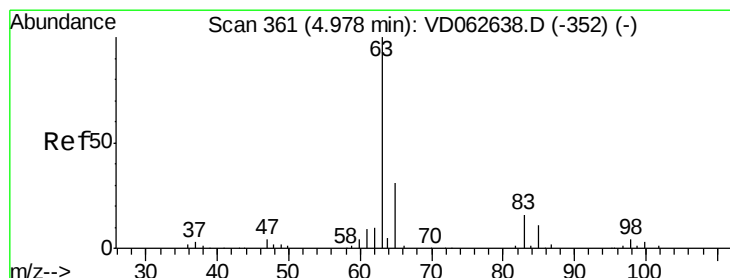
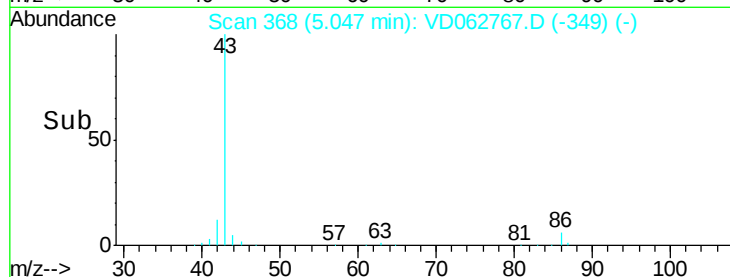
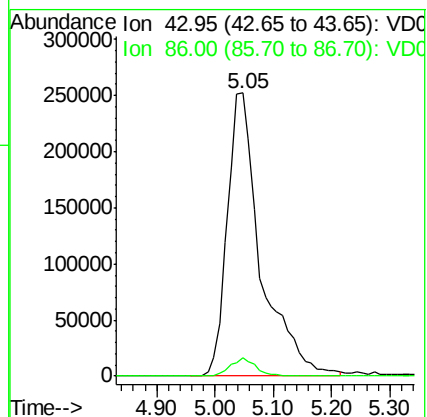
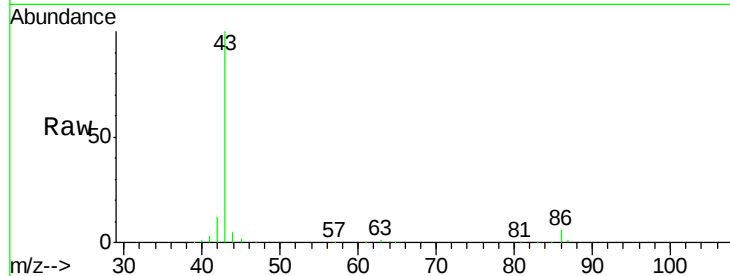
VD0618SBS02

Tot Ion: 43 Resp: 1012879

Ion Ratio Lower Upper

43 100

86 6.4 5.3 7.9



#24

1,1-Dichloroethane

Concen: 21.292 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

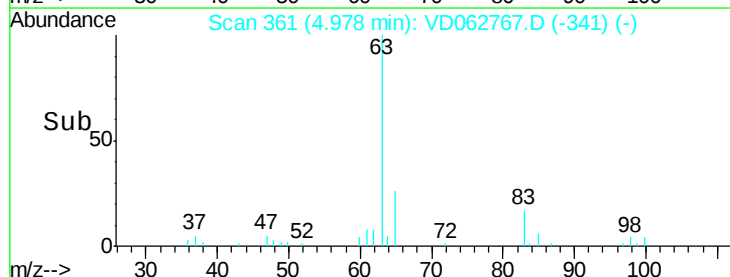
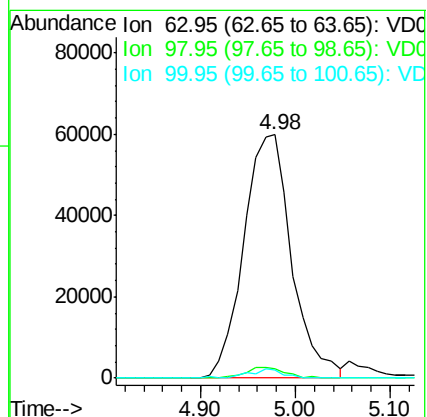
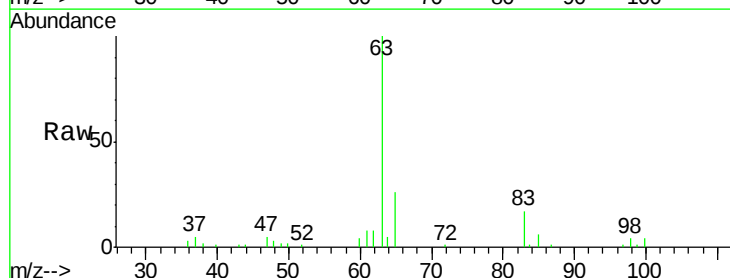
Tgt Ion: 63 Resp: 210318

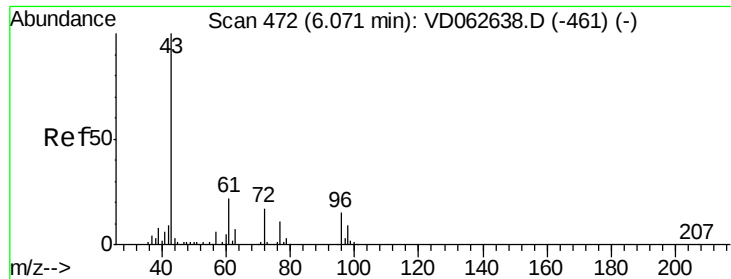
Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.4

100 3.6 1.5 4.4





#25

2-Butanone

Concen: 104.714 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

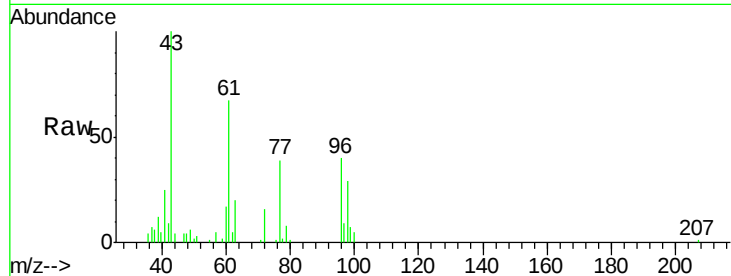
VD0618SBS02

Tot Ion: 43 Resp: 146881

Ion Ratio Lower Upper

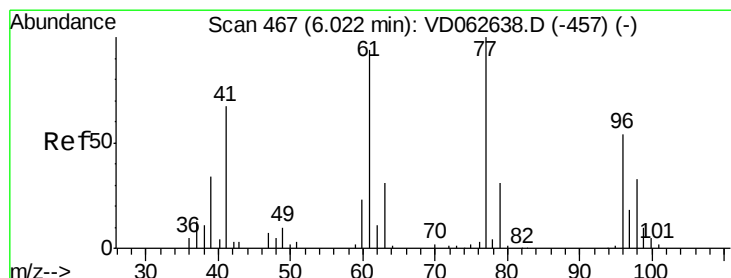
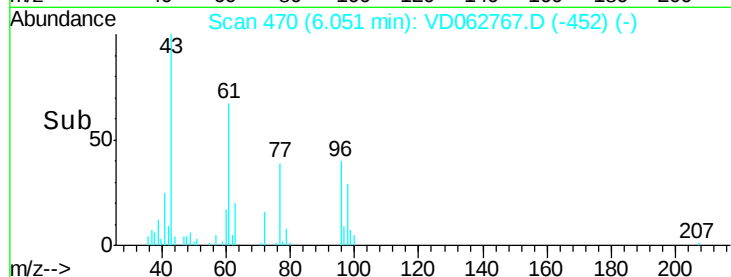
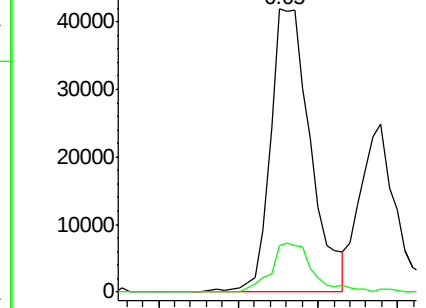
43 100

72 16.3 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: 19.444 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062767.D

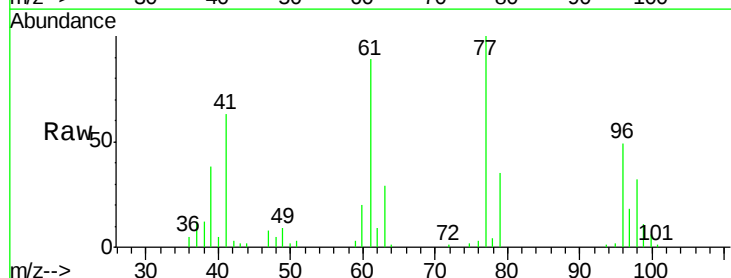
Acq: 19 Jun 2019 1:56

Tgt Ion: 77 Resp: 221359

Ion Ratio Lower Upper

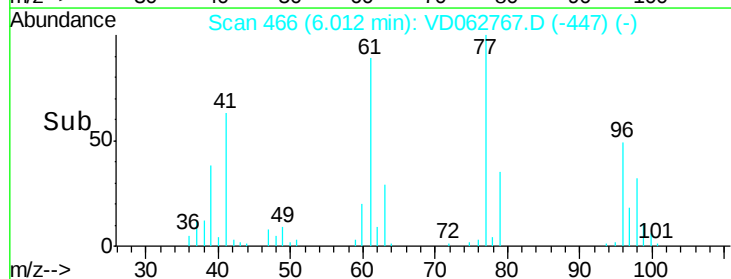
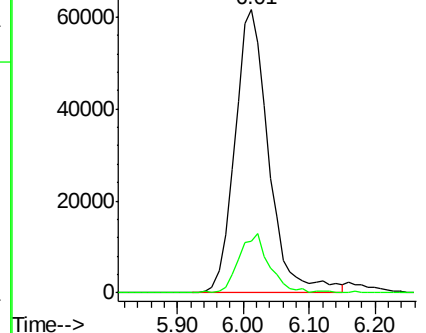
77 100

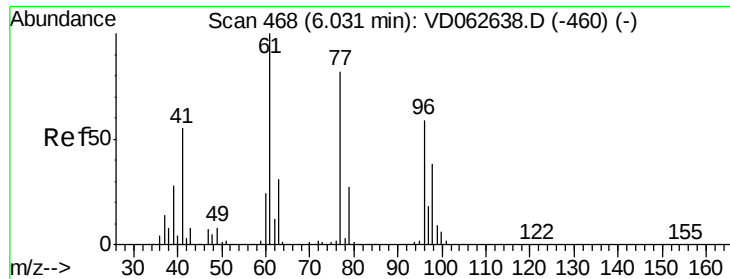
97 18.1 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

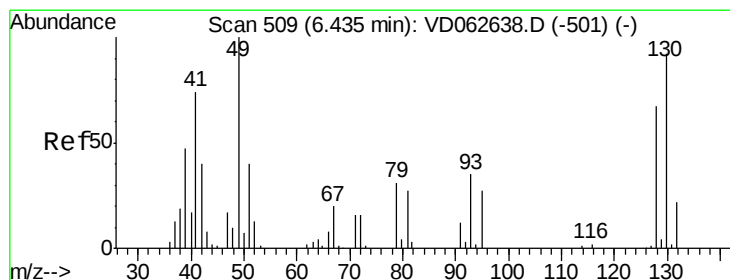
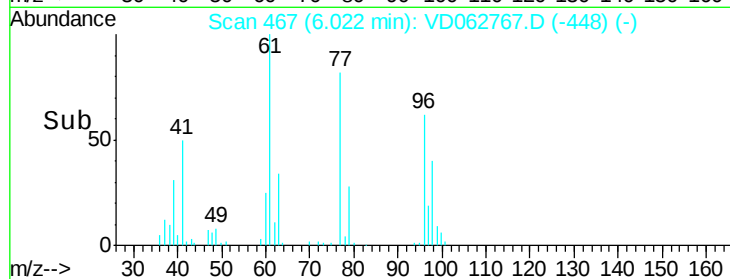
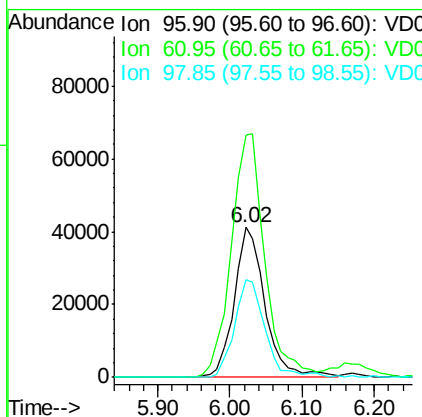
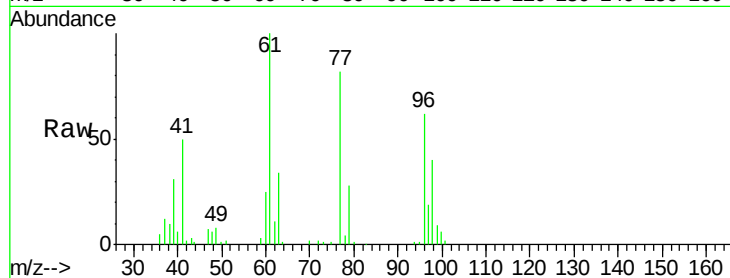




#27
 cis-1,2-Dichloroethene
 Concen: 21.444 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

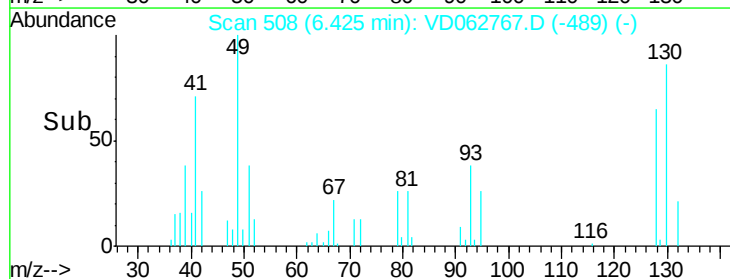
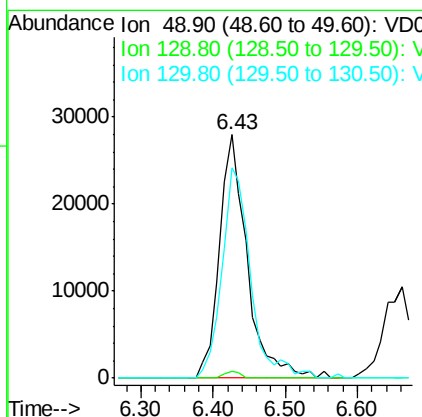
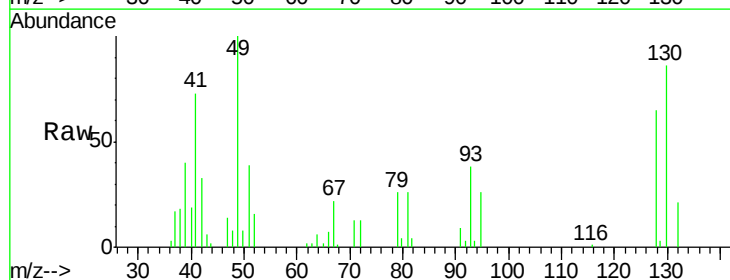
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS02

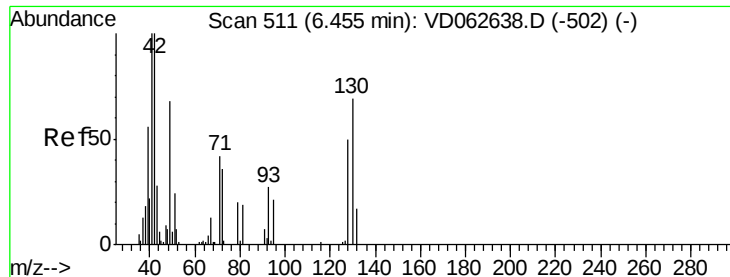
Tot Ion: 96 Resp: 122638
 Ion Ratio Lower Upper
 96 100
 61 161.8 0.0 340.0
 98 65.3 0.0 127.6



#28
 Bromochloromethane
 Concen: 19.698 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion: 49 Resp: 74378
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 8.2
 130 86.2 73.4 110.0

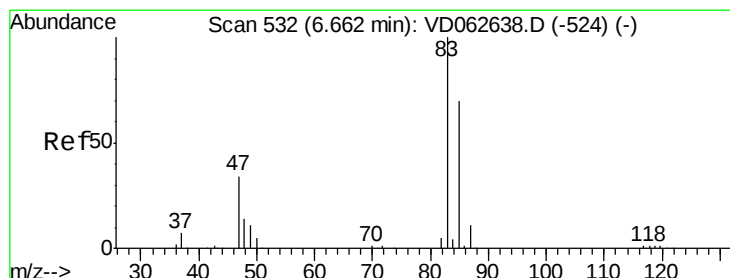
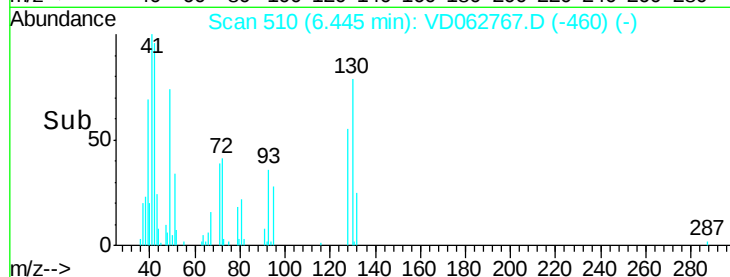
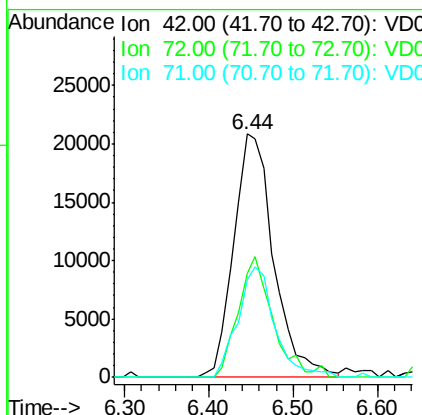
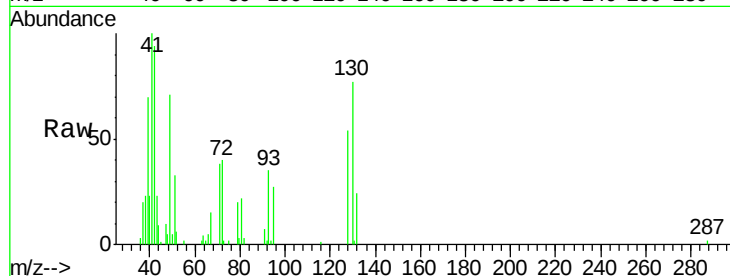




#29
Tetrahydrofuran
Concen: 109.257 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

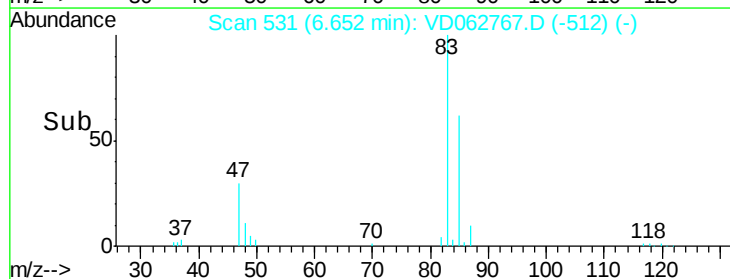
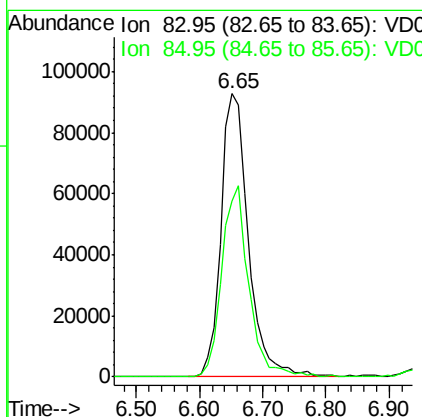
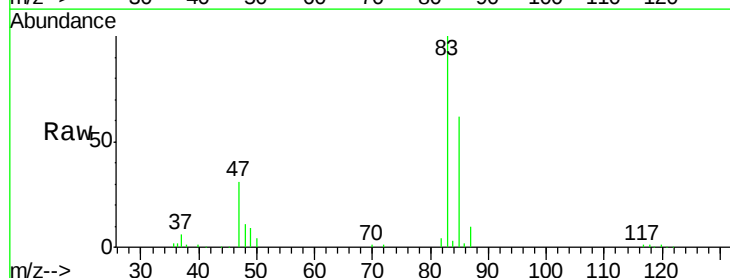
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

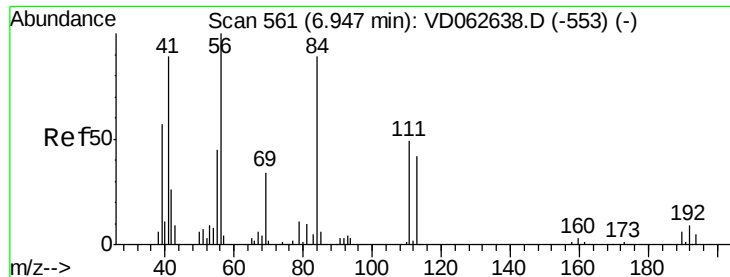
Tot Ion: 42 Resp: 69015
Ion Ratio Lower Upper
42 100
72 43.4 33.8 50.6
71 42.1 34.2 51.4



#30
Chloroform
Concen: 22.145 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 83 Resp: 280658
Ion Ratio Lower Upper
83 100
85 62.1 55.8 83.6

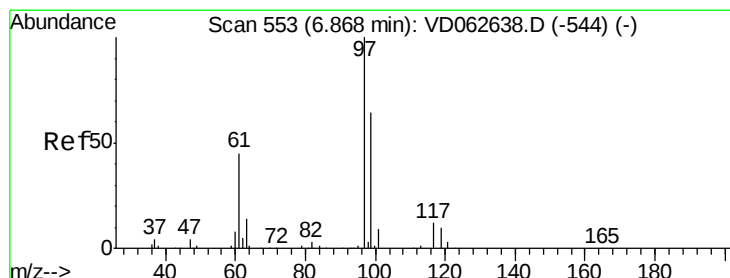
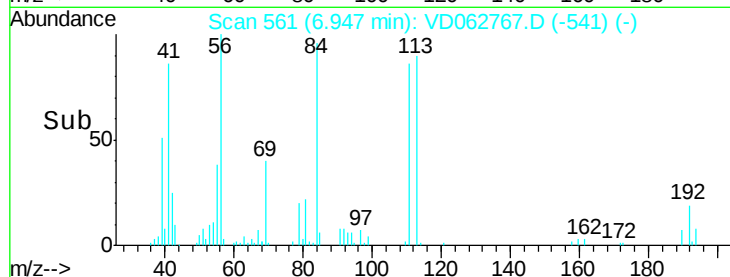
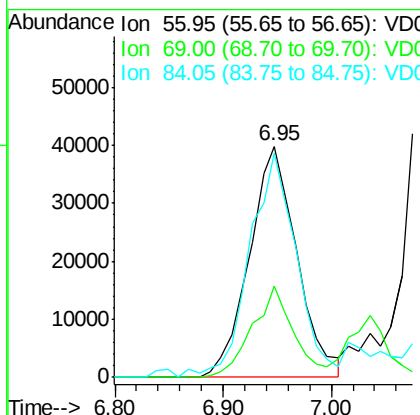
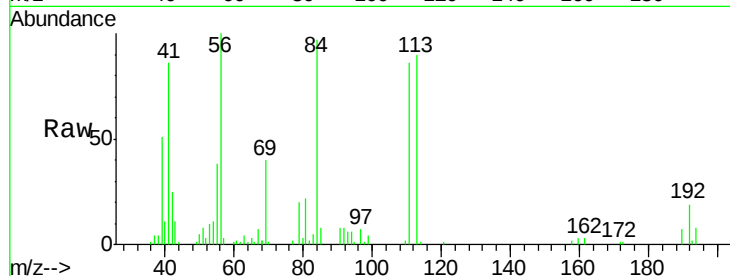




#31
Cyclohexane
Concen: 19.659 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

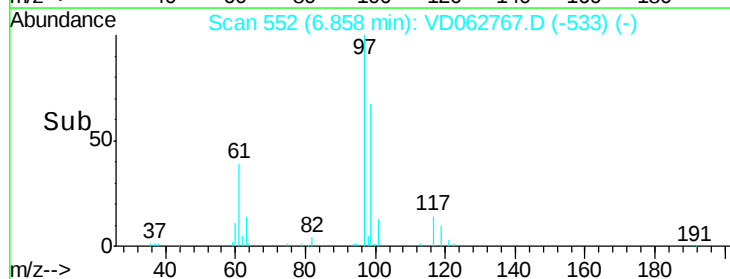
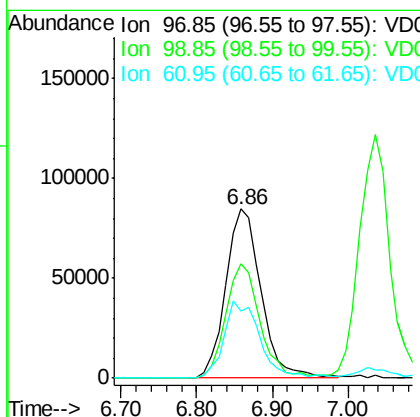
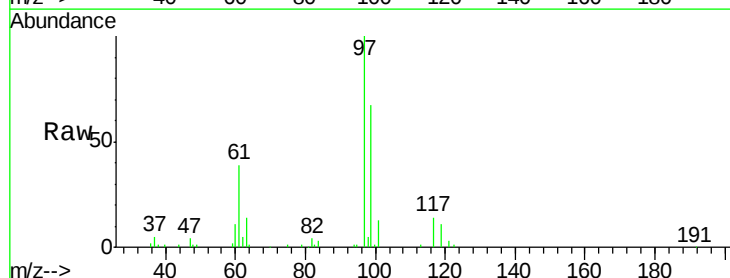
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

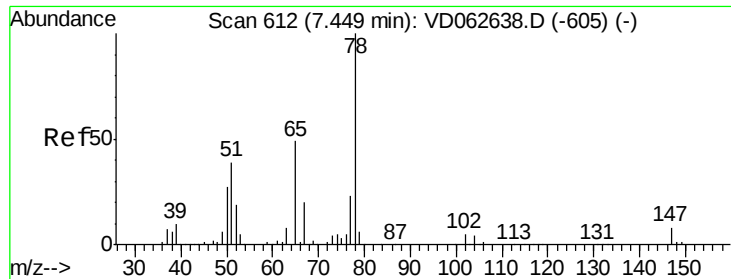
Tot Ion: 56 Resp: 121812
Ion Ratio Lower Upper
56 100
69 39.8 26.8 40.2
84 97.3 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 21.667 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 97 Resp: 273237
Ion Ratio Lower Upper
97 100
99 67.4 51.4 77.0
61 39.3 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 48.910 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

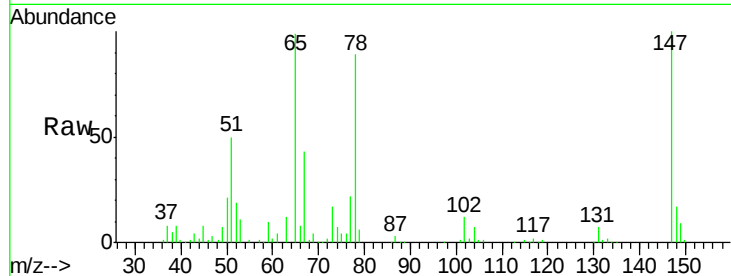
VD0618SBSD02

Tot Ion: 65 Resp: 384030

Ion Ratio Lower Upper

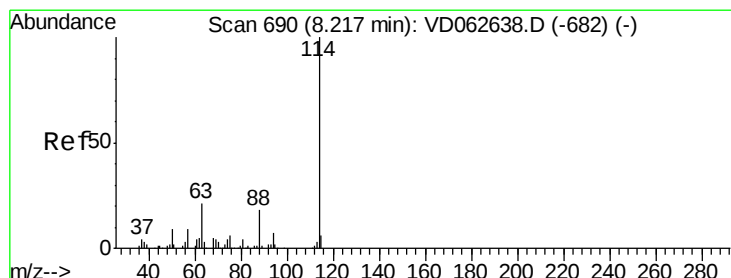
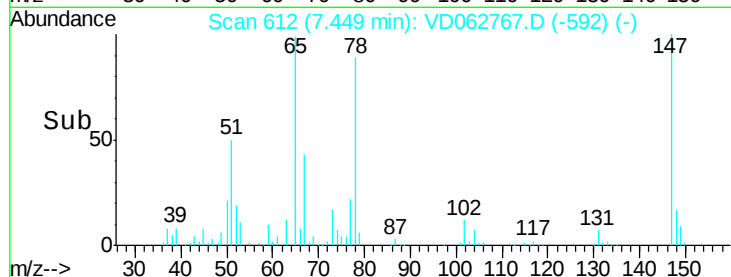
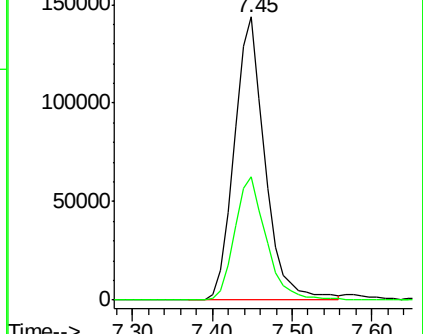
65 100

67 43.4 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: VD062767.D

Acq: 19 Jun 2019 1:56

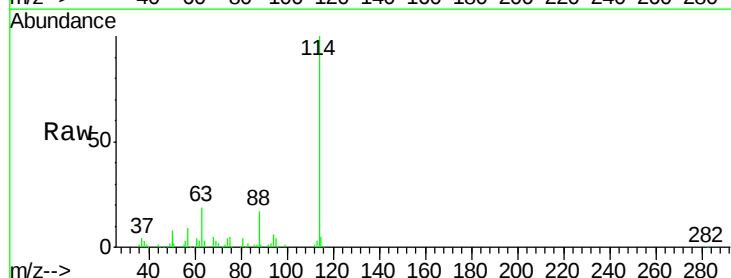
Tgt Ion: 114 Resp: 731898

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

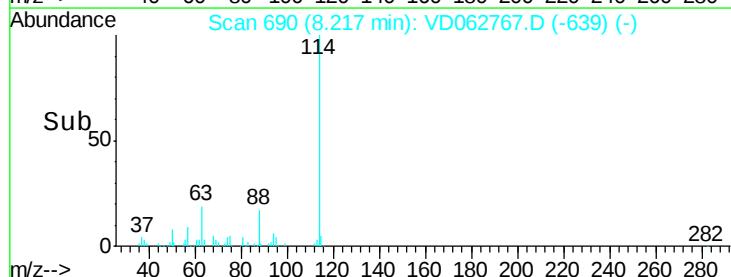
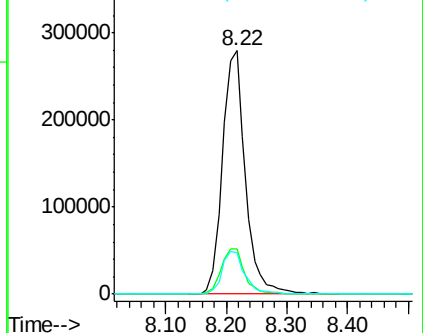
88 17.0 0.0 36.8

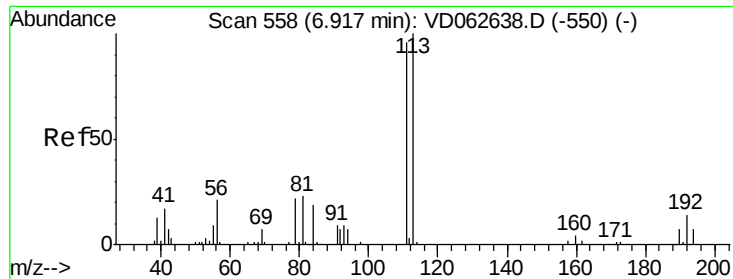


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

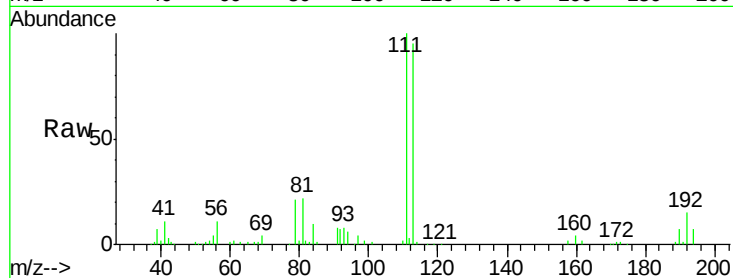




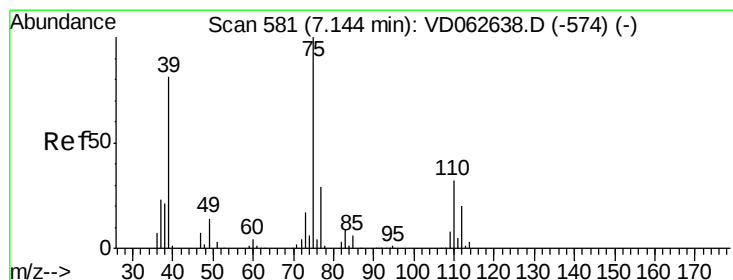
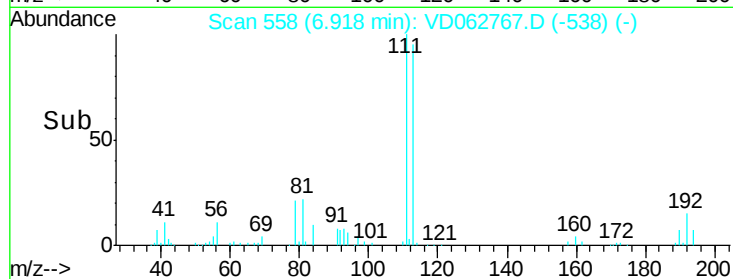
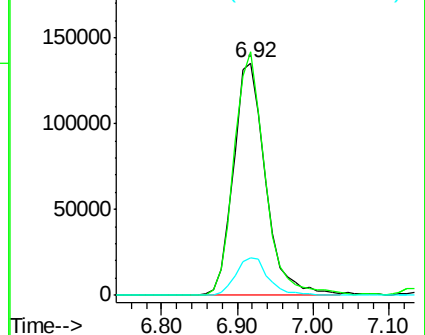
#35
 Dibromofluoromethane
 Concen: 51.218 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD02

Tot Ion:113 Resp: 395340
 Ion Ratio Lower Upper
 113 100
 111 104.8 76.4 114.6
 192 16.0 11.4 17.0

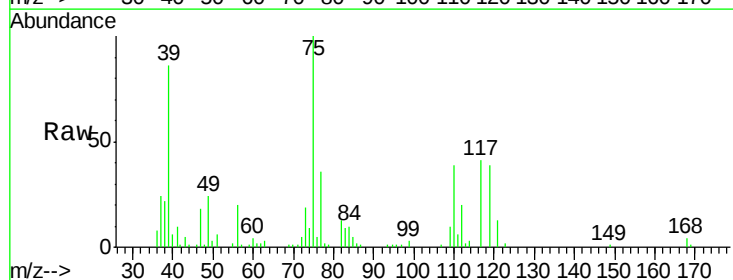


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

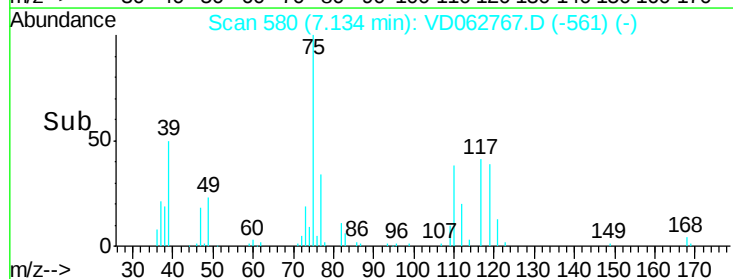
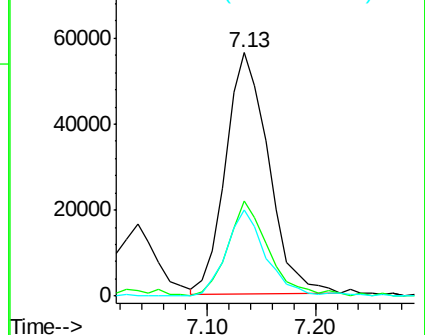


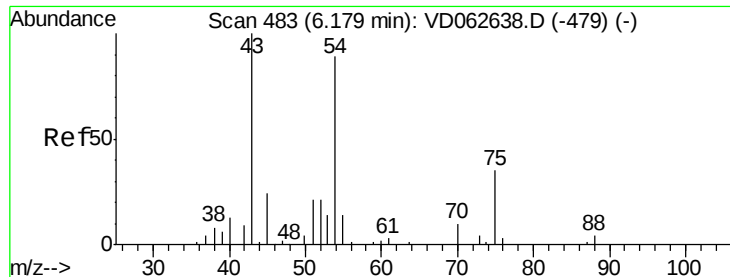
#36
 1,1-Dichloropropene
 Concen: 18.550 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion: 75 Resp: 155382
 Ion Ratio Lower Upper
 75 100
 110 39.1 15.9 47.7
 77 35.6 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

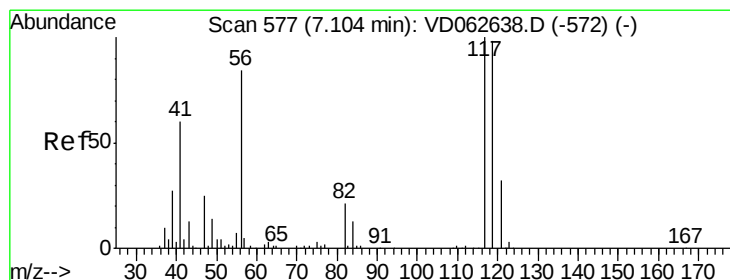
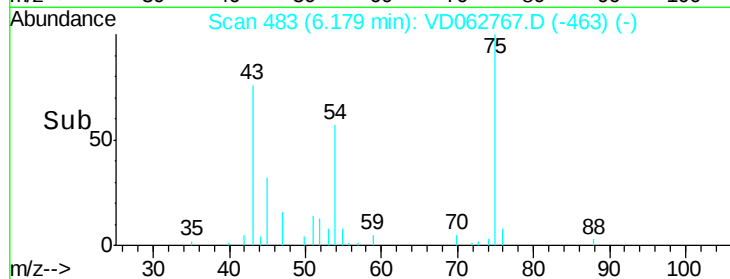
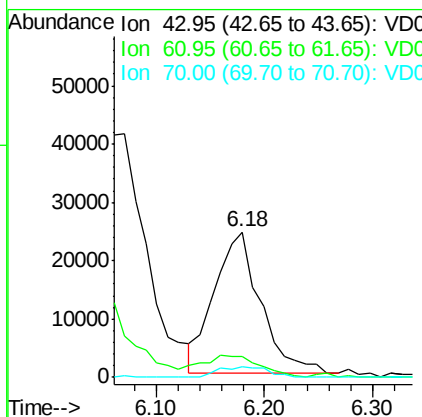
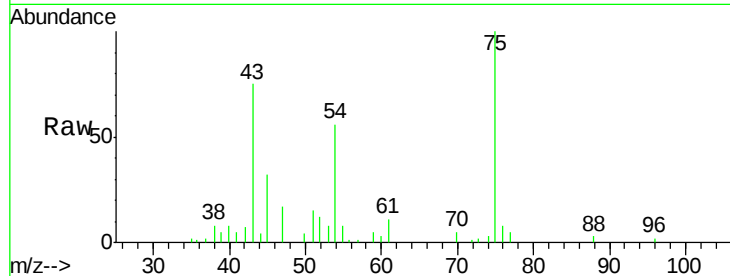




#37
Ethyl Acetate
Concen: 20.971 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

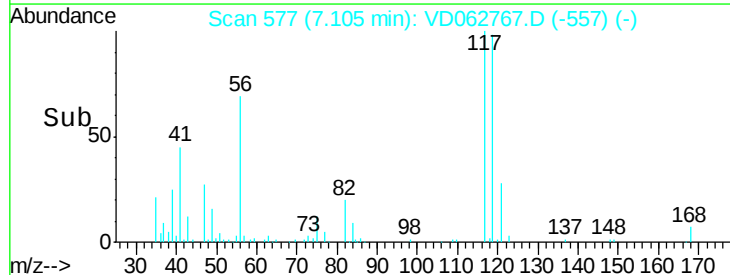
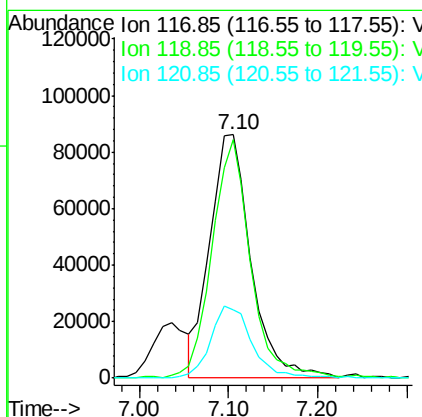
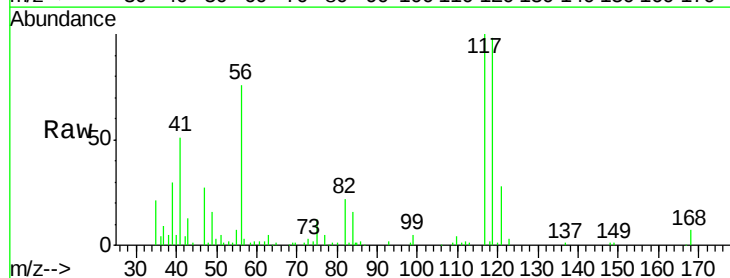
Instrument :
MSVOA_D
ClientSampleID :
VD0618SBSD02

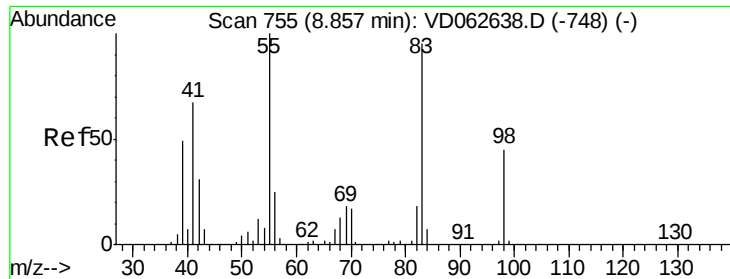
Tot Ion: 43 Resp: 72347
Ion Ratio Lower Upper
43 100
61 14.2 8.7 13.1#
70 7.2 6.5 9.7



#38
Carbon Tetrachloride
Concen: 20.996 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 117 Resp: 277980
Ion Ratio Lower Upper
117 100
119 97.8 73.5 110.3
121 28.0 24.2 36.4

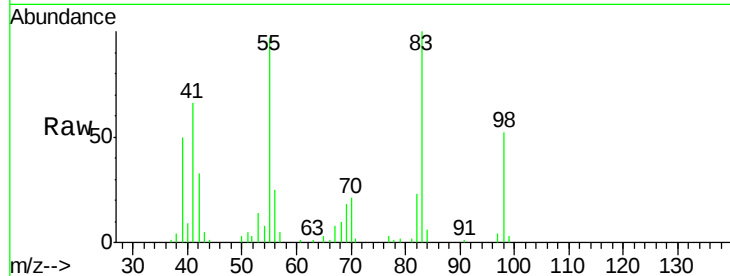




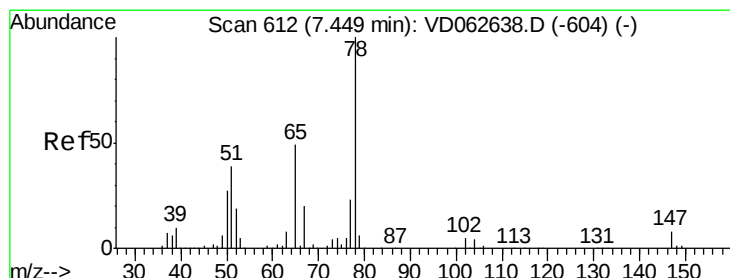
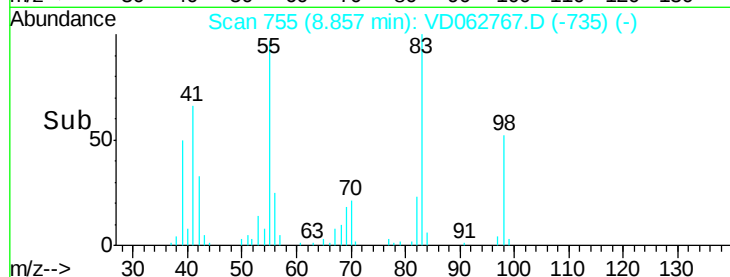
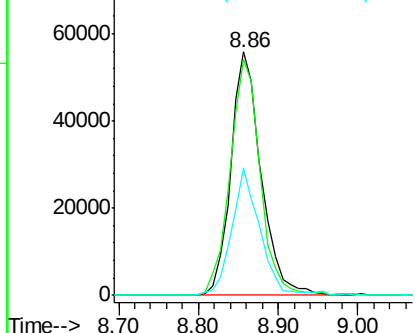
#39
Methvlcvclohexane
Concen: 21.787 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

Tot Ion: 83 Resp: 147476
Ion Ratio Lower Upper
83 100
55 96.8 84.6 127.0
98 52.4 38.2 57.4

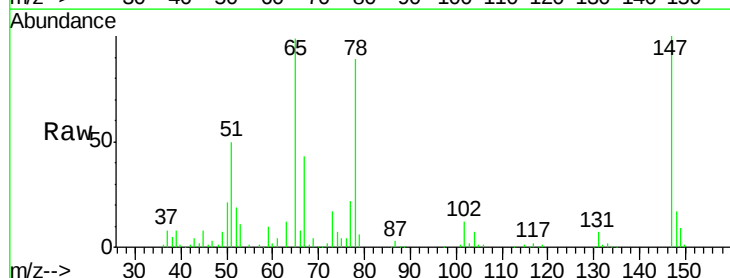


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

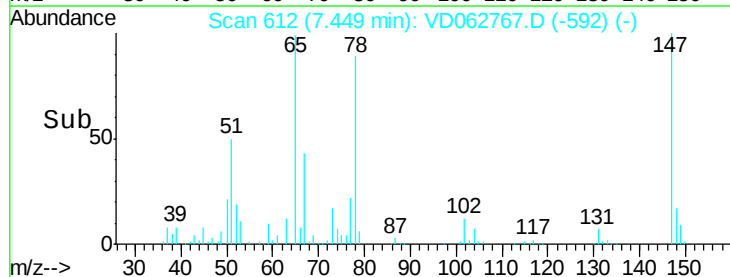
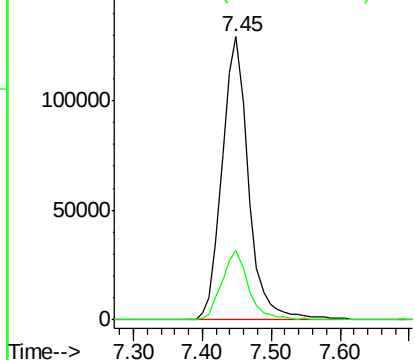


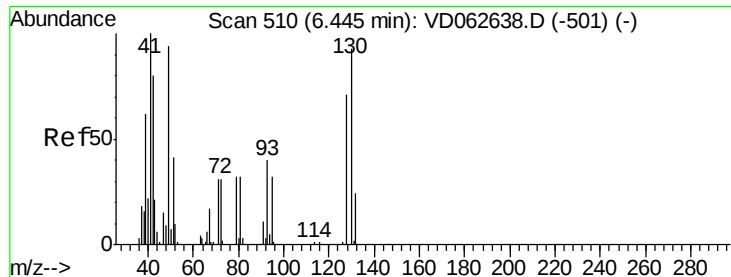
#40
Benzene
Concen: 20.997 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 78 Resp: 343484
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

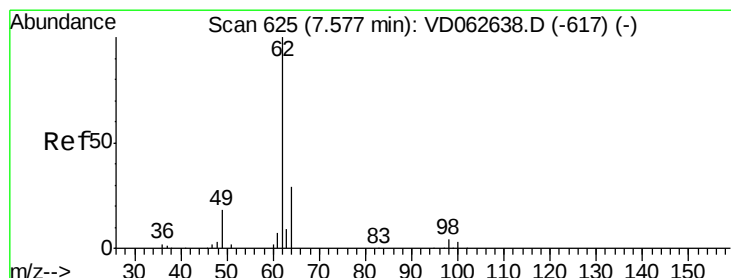
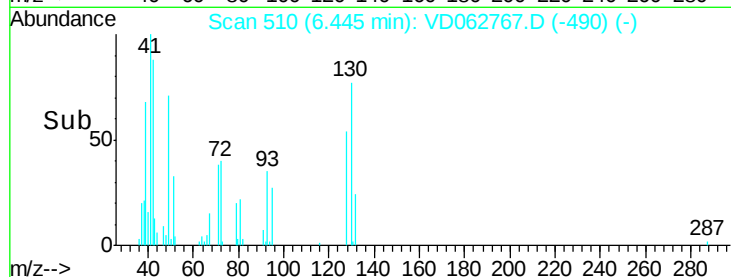
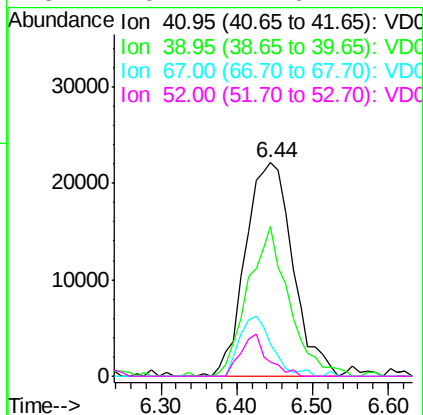
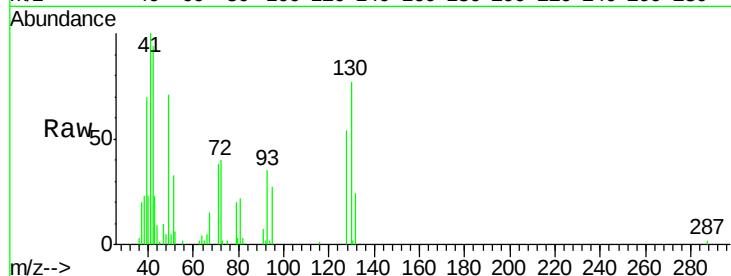




#41
Methacrylonitrile
Concen: 21.853 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

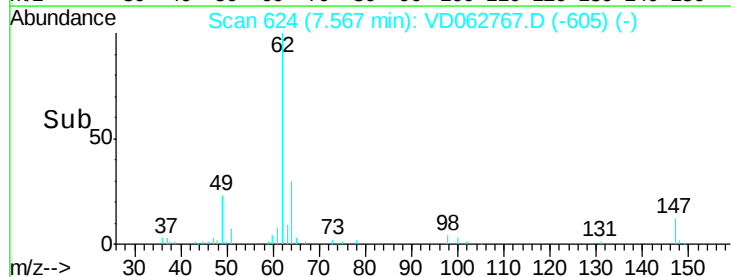
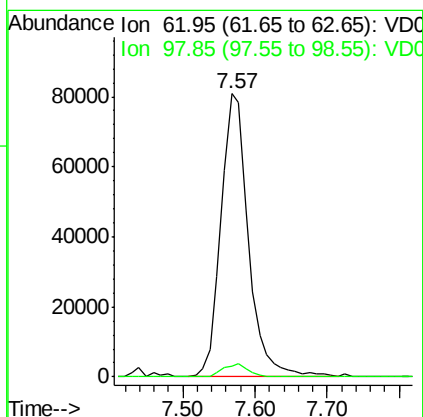
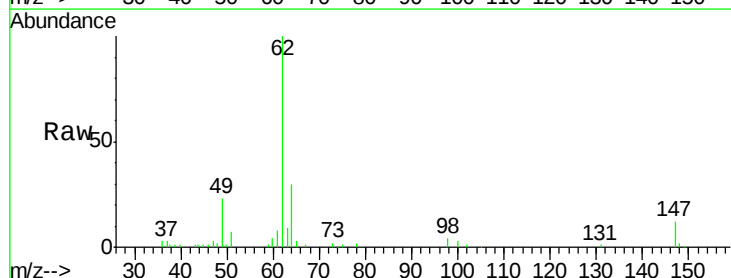
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS02

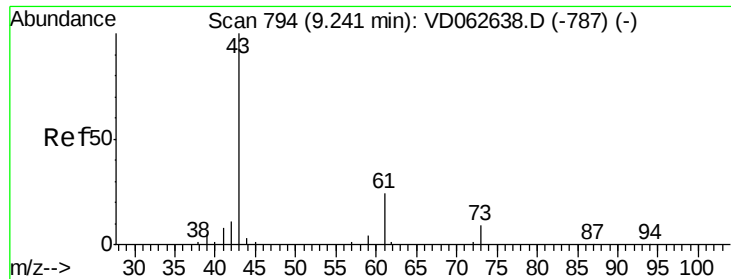
Tot Ion: 41 Resp: 95825
Ion Ratio Lower Upper
41 100
39 70.2 49.2 73.8
67 15.2 13.9 20.9
52 6.4 7.6 11.4#



#42
1,2-Dichloroethane
Concen: 21.935 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 62 Resp: 213874
Ion Ratio Lower Upper
62 100
98 3.9 0.0 7.4





#43

Isopropyl Acetate

Concen: 21.128 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

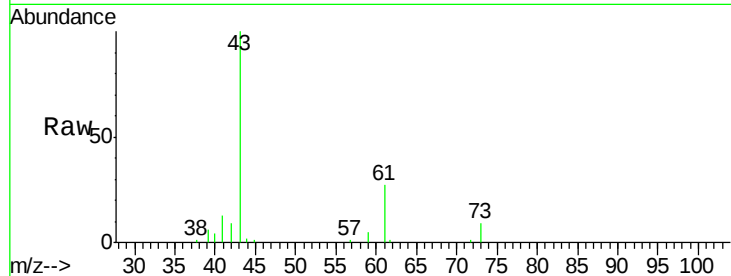
Tot Ion: 43 Resp: 93381

Ion Ratio Lower Upper

43 100

61 26.8 19.0 28.6

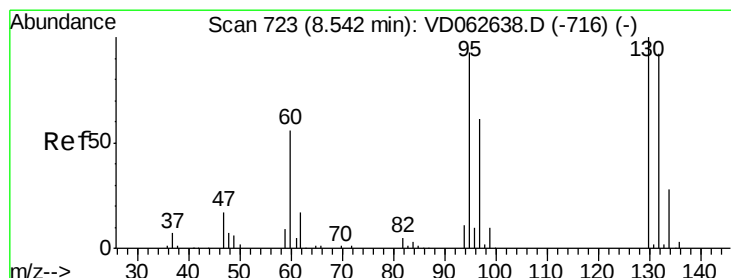
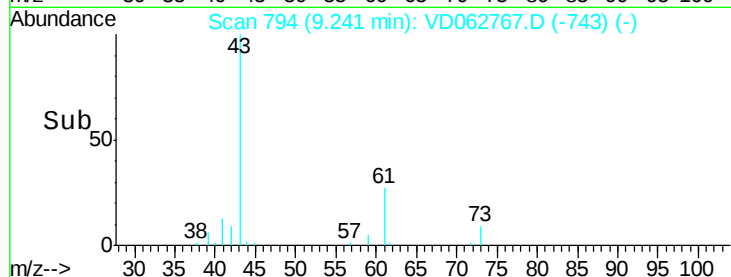
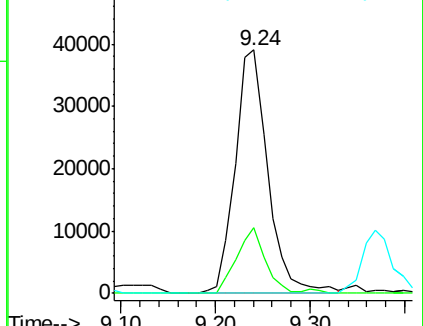
87 0.0 0.3 0.5#



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: 20.603 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062767.D

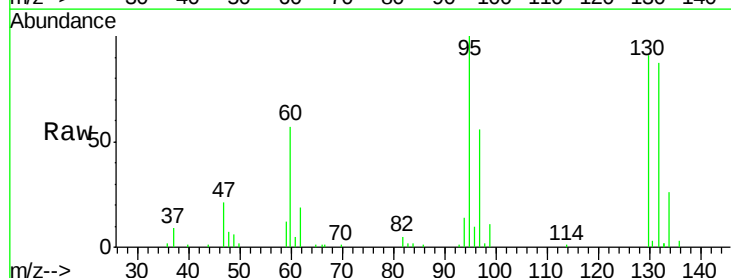
Acq: 19 Jun 2019 1:56

Tgt Ion: 130 Resp: 136826

Ion Ratio Lower Upper

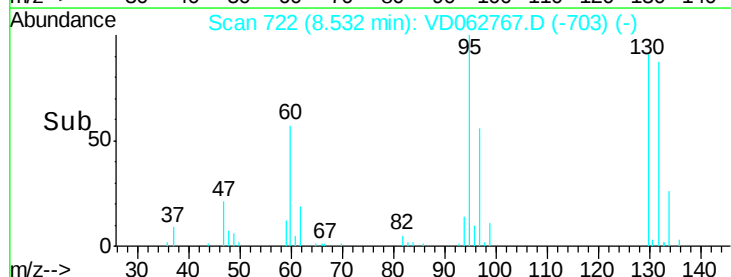
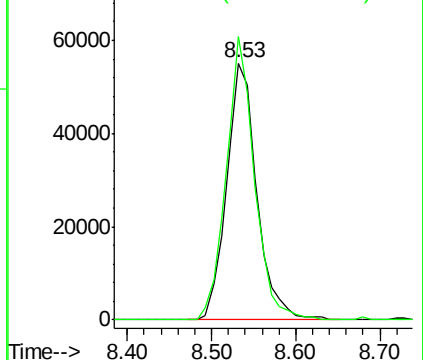
130 100

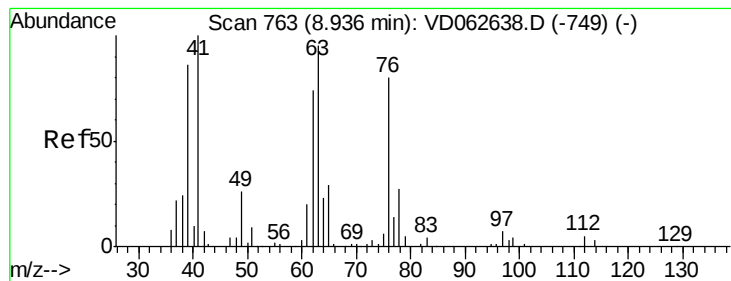
95 110.2 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.233 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

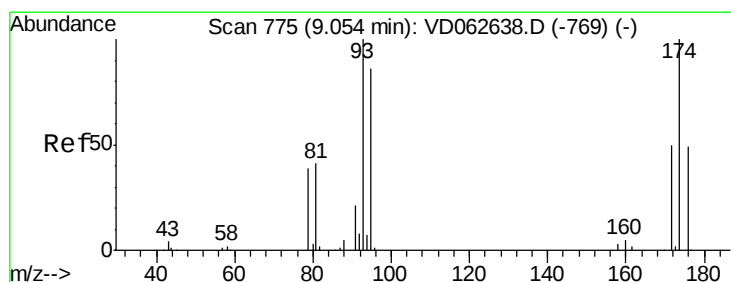
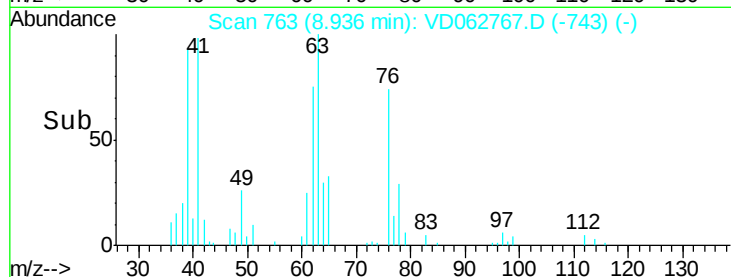
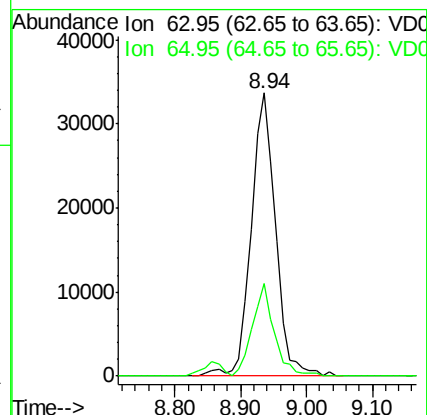
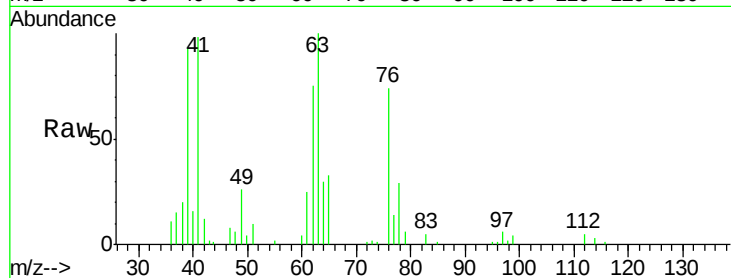
VD0618SBSD02

Tot Ion: 63 Resp: 87361

Ion Ratio Lower Upper

63 100

65 32.7 24.6 37.0



#46

Dibromomethane

Concen: 22.691 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

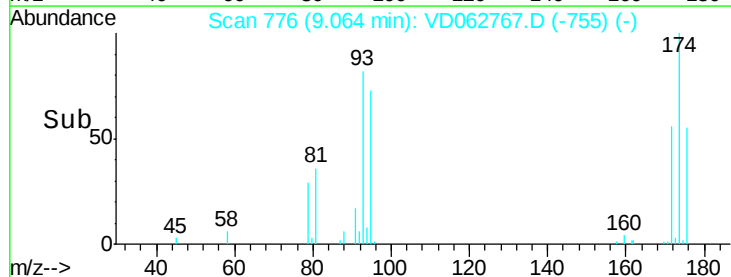
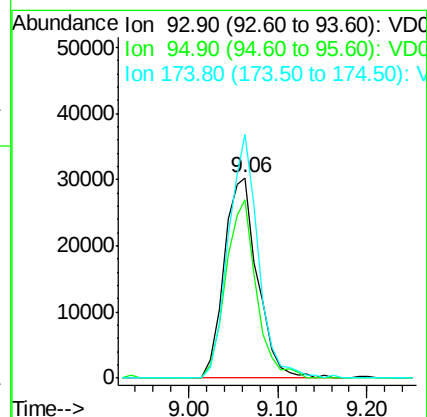
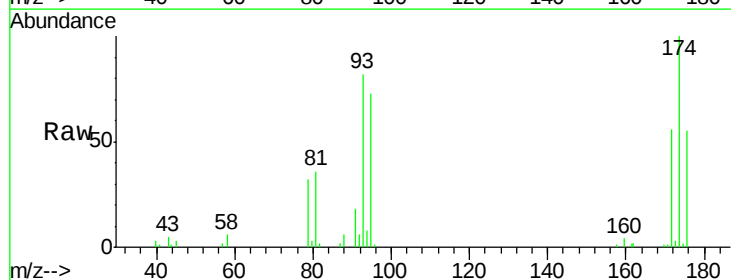
Tgt Ion: 93 Resp: 79141

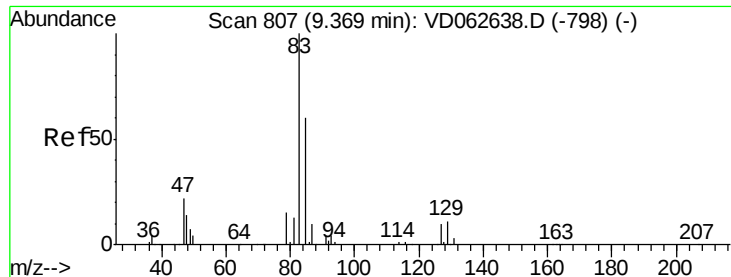
Ion Ratio Lower Upper

93 100

95 89.0 68.7 103.1

174 121.5 79.8 119.8#





#47

Bromodichloromethane

Concen: 22.273 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD02

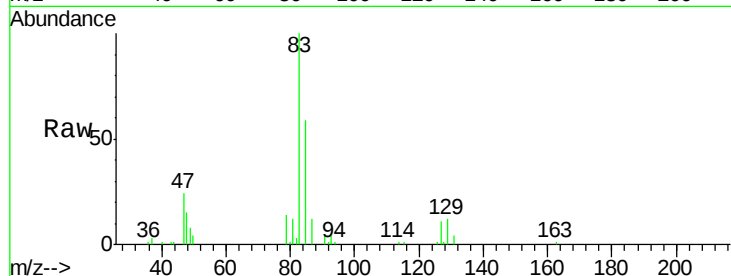
Tot Ion: 83 Resp: 211322

Ion Ratio Lower Upper

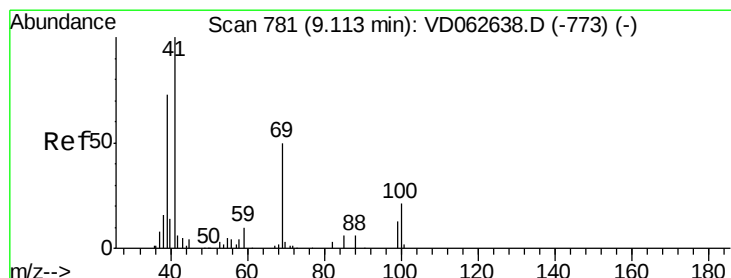
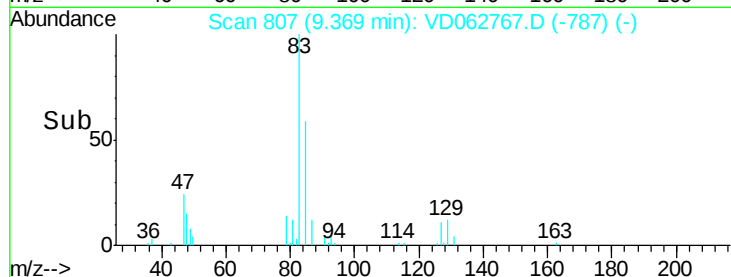
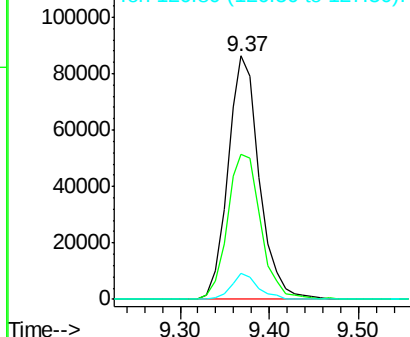
83 100

85 59.3 47.9 71.9

127 10.5 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: 21.957 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

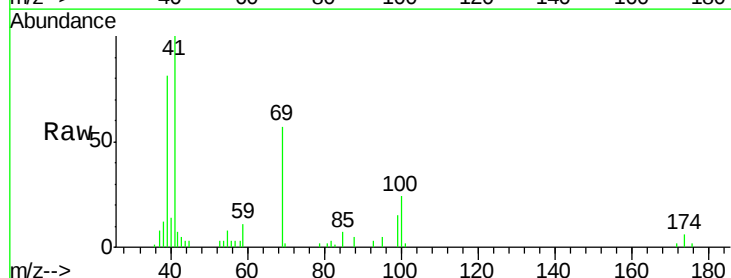
Tgt Ion: 41 Resp: 70112

Ion Ratio Lower Upper

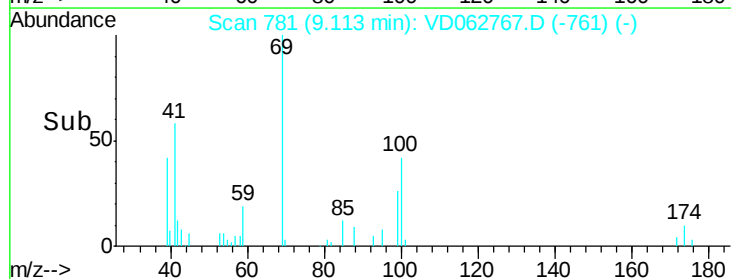
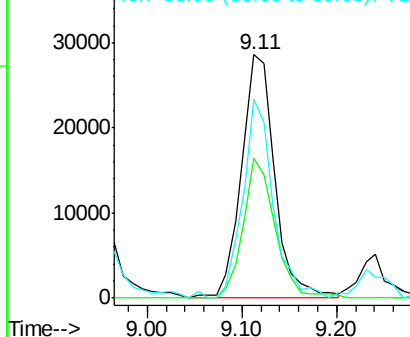
41 100

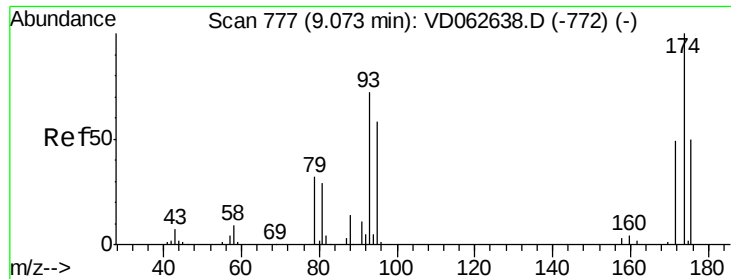
69 57.3 39.8 59.6

39 81.5 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

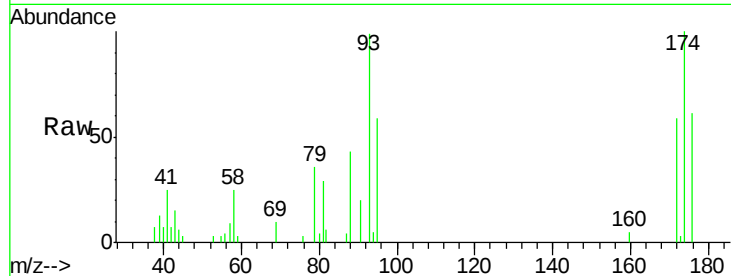




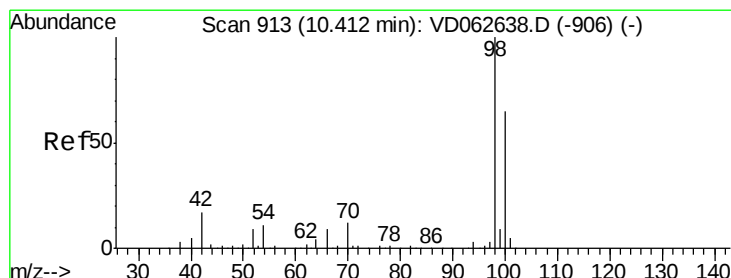
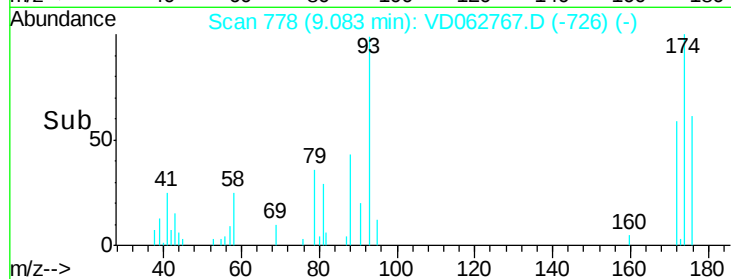
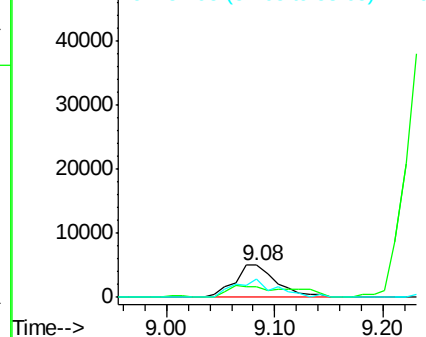
#49
1,4-Dioxane
Concen: 496.345 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

Tot Ion: 88 Resp: 13459
Ion Ratio Lower Upper
88 100
43 34.2 40.7 61.1#
58 57.3 54.2 81.4

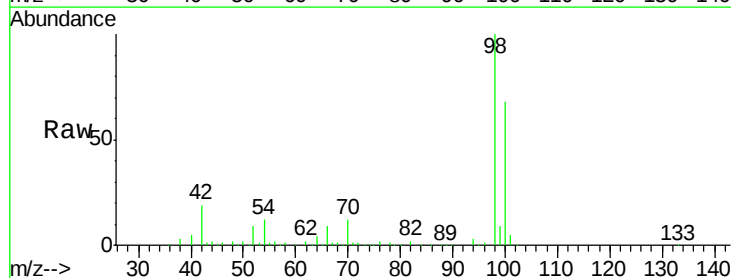


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

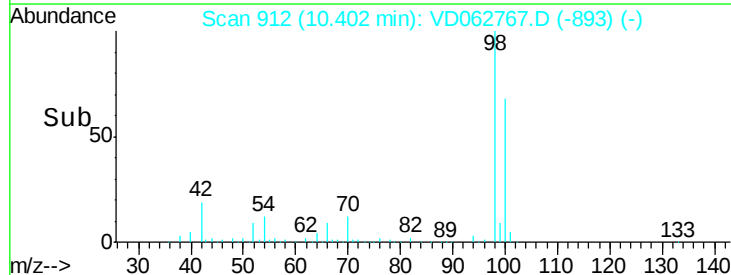
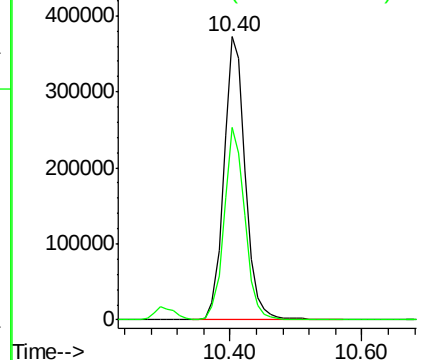


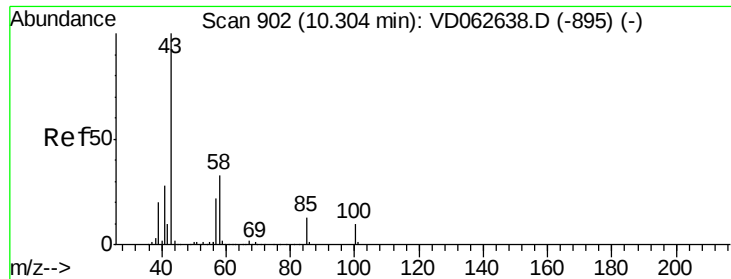
#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 98 Resp: 838340
Ion Ratio Lower Upper
98 100
100 67.8 52.1 78.1



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

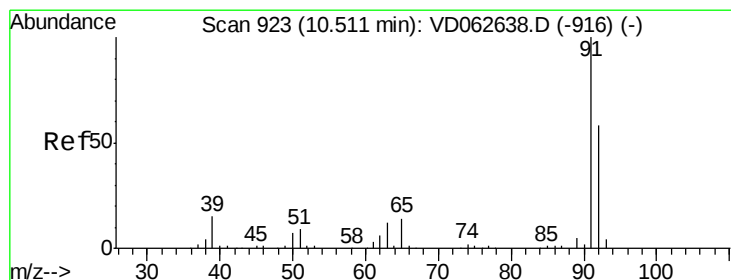
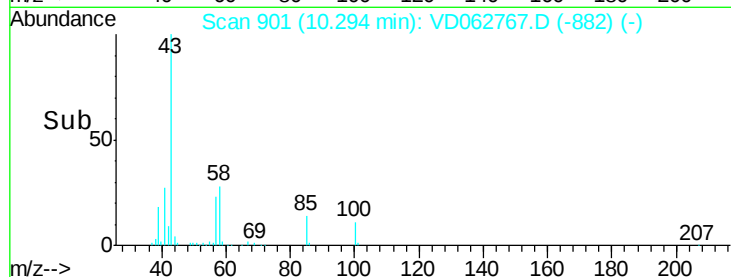
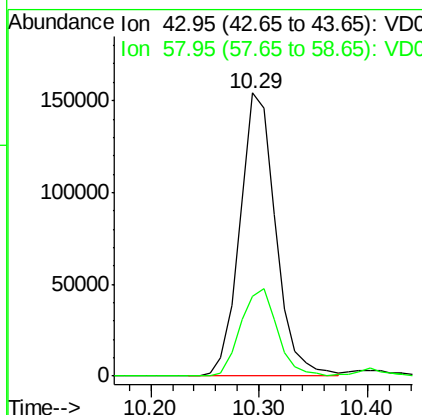
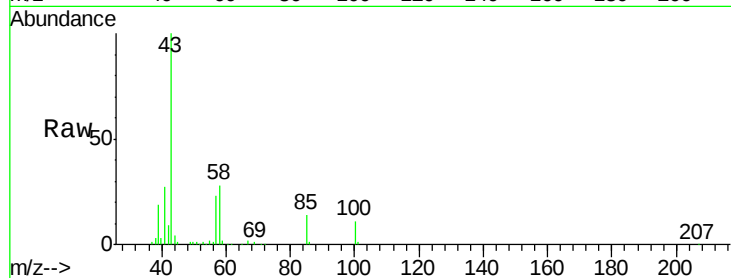




#51
 4-Methyl-2-Pentanone
 Concen: 114.896 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

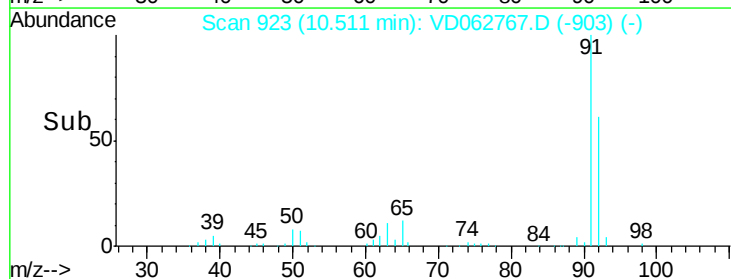
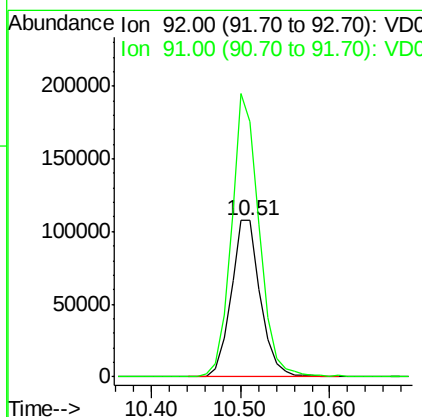
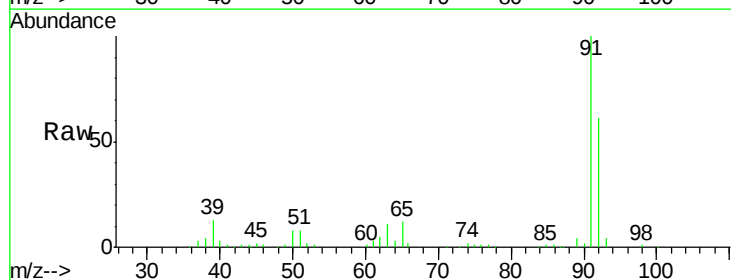
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS02

Tot Ion: 43 Resp: 355333
 Ion Ratio Lower Upper
 43 100
 58 28.4 26.1 39.1



#52
 Toluene
 Concen: 22.393 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion: 92 Resp: 246232
 Ion Ratio Lower Upper
 92 100
 91 163.5 137.0 205.6

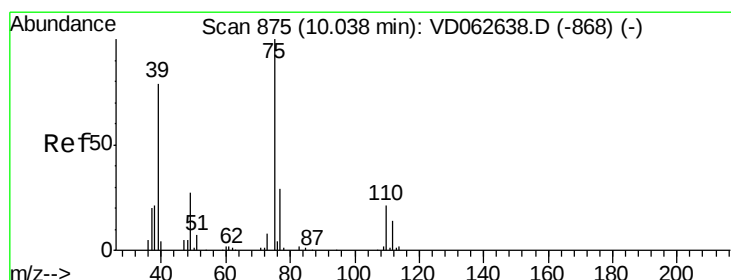
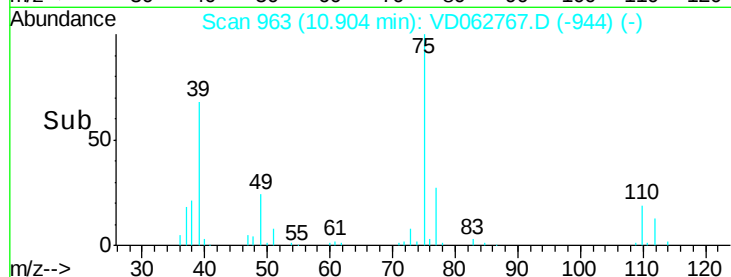
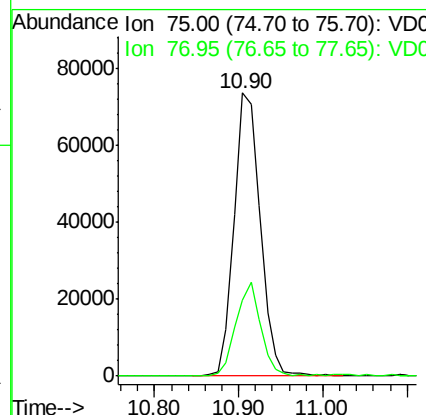
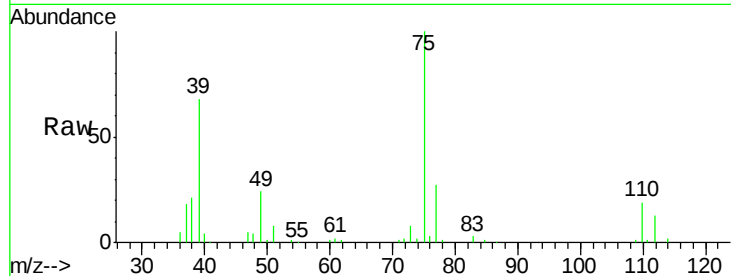




#53
 t-1,3-Dichloropropene
 Concen: 20.569 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

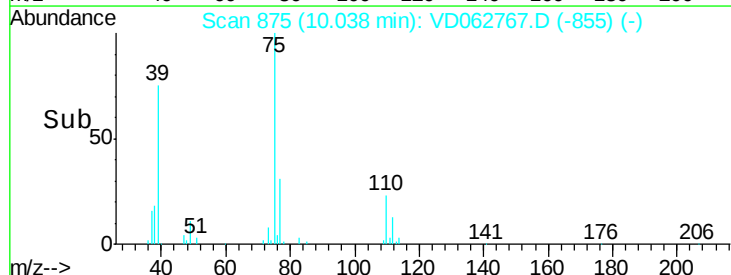
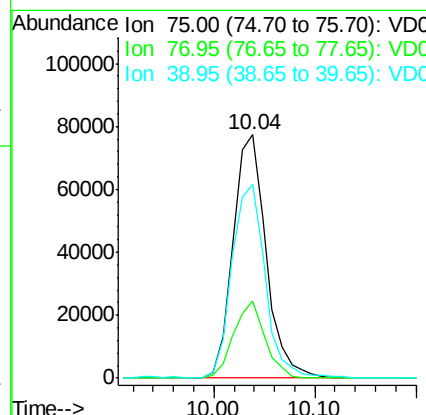
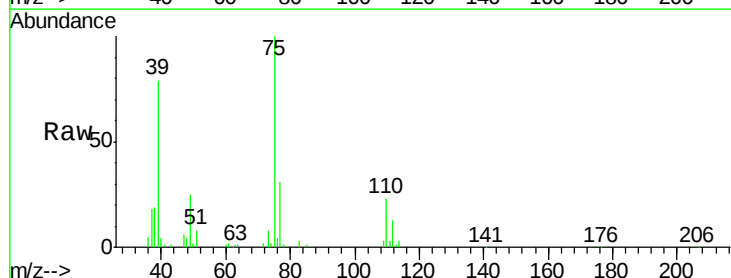
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS02

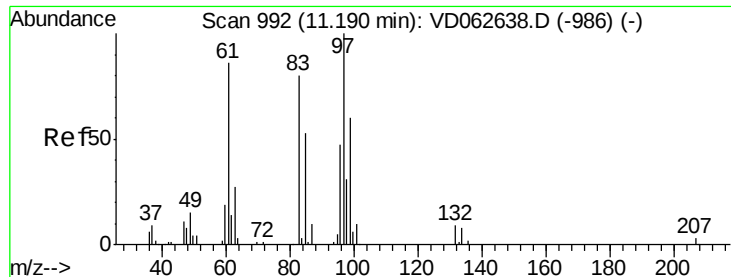
Tot Ion: 75 Resp: 160005
 Ion Ratio Lower Upper
 75 100
 77 27.0 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 21.853 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion: 75 Resp: 175695
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.1 34.7
 39 79.4 63.4 95.2

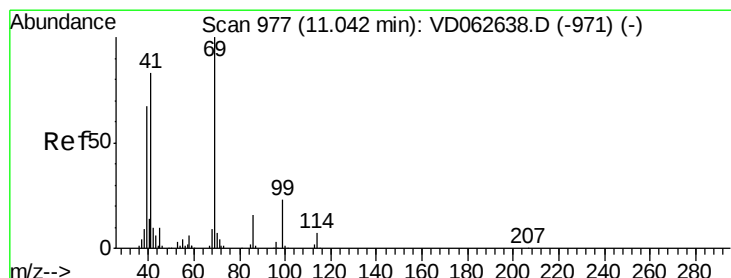
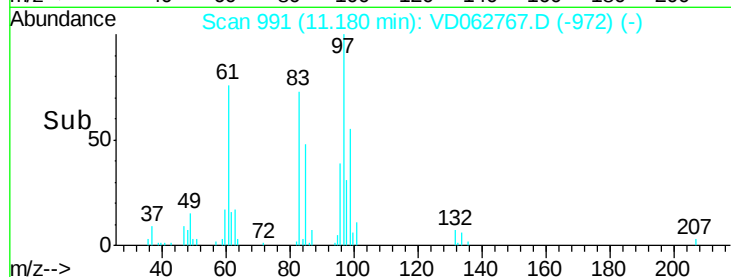
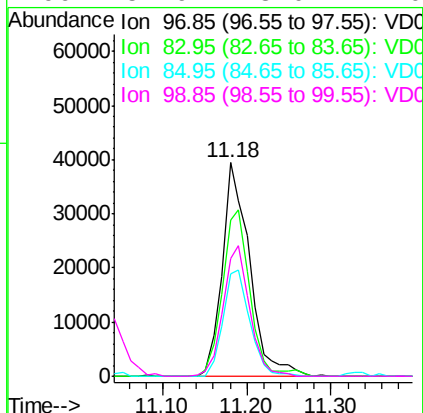
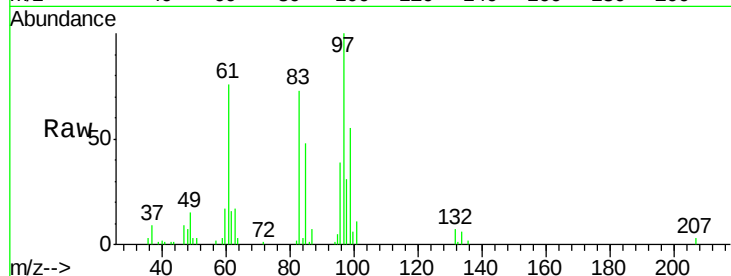




#55
 1,1,2-Trichloroethane
 Concen: 23.605 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

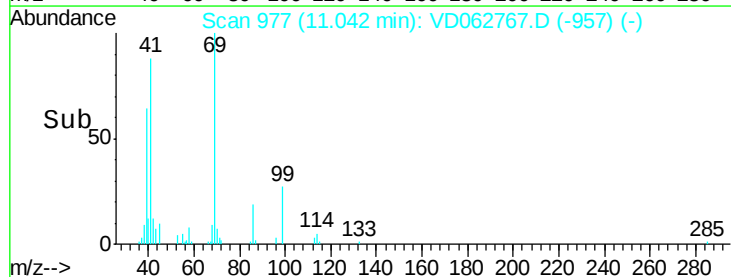
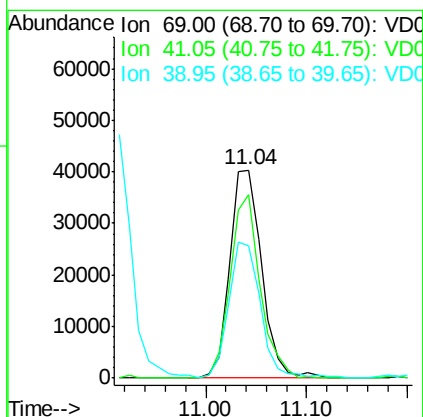
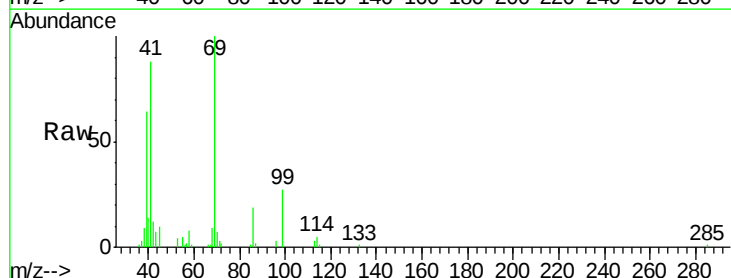
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS02

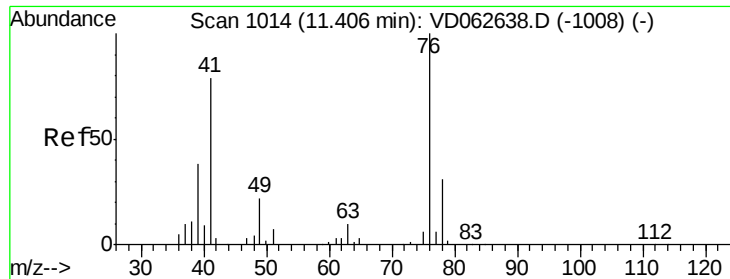
Tot Ion:	97	Resp:	89015
Ion	Ratio	Lower	Upper
97	100		
83	73.4	63.8	95.8
85	48.1	42.3	63.5
99	54.9	48.0	72.0



#56
 Ethyl methacrylate
 Concen: 21.813 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion:	69	Resp:	88155
Ion	Ratio	Lower	Upper
69	100		
41	88.4	66.2	99.4
39	63.8	53.8	80.8

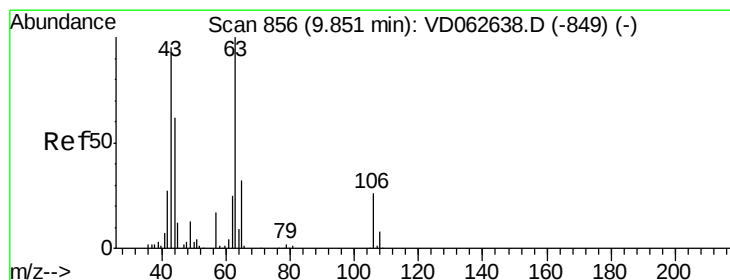
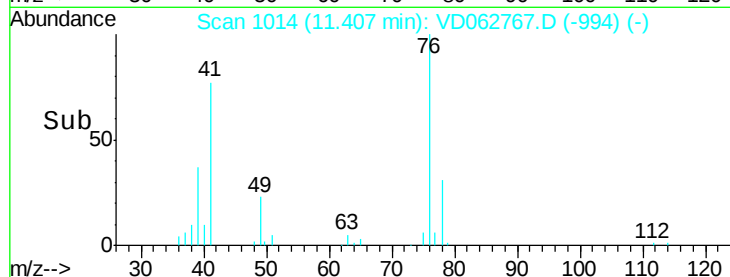
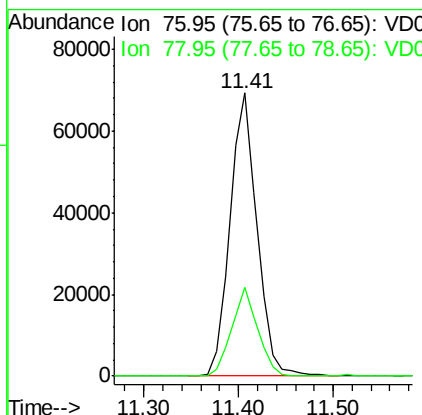
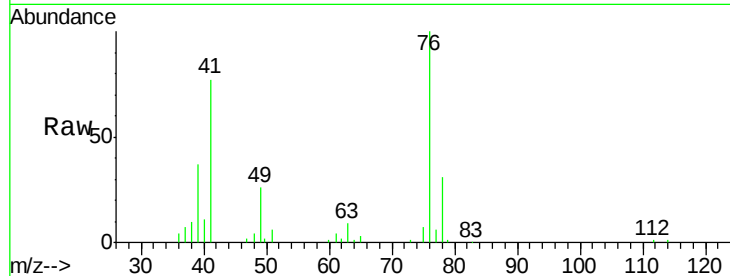




#57
 1,3-Dichloropropane
 Concen: 23.287 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

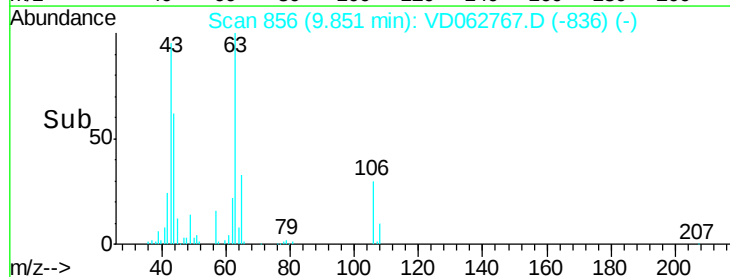
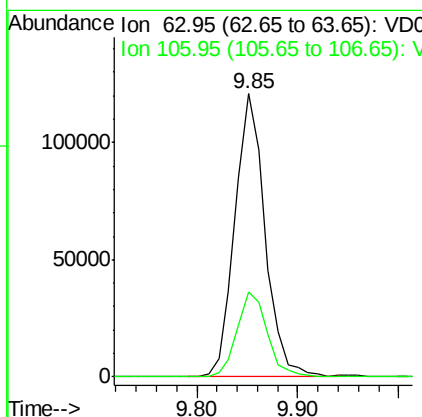
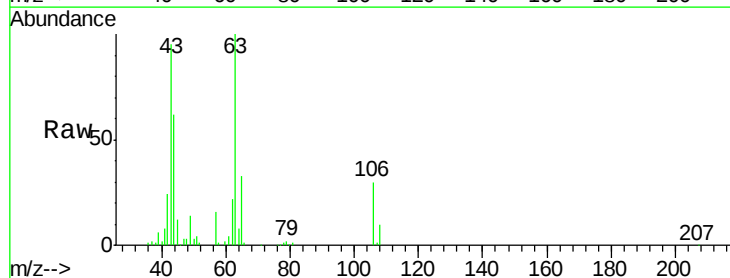
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD02

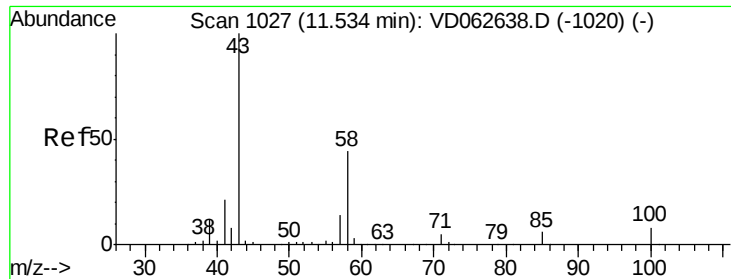
Tot Ion: 76 Resp: 136109
 Ion Ratio Lower Upper
 76 100
 78 31.2 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.756 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion: 63 Resp: 251445
 Ion Ratio Lower Upper
 63 100
 106 30.0 20.5 30.7

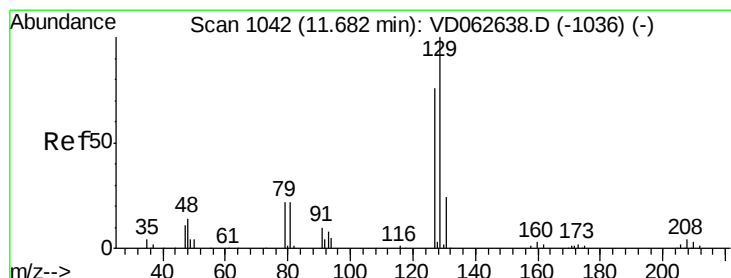
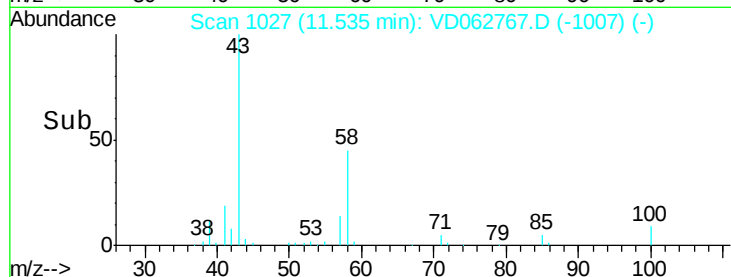
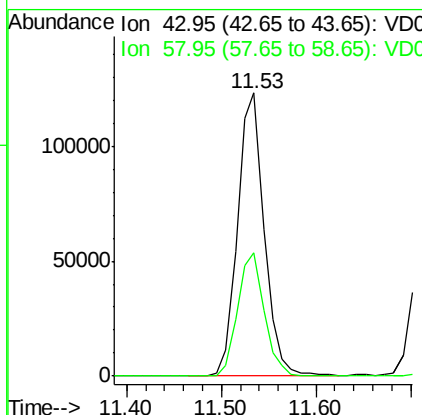
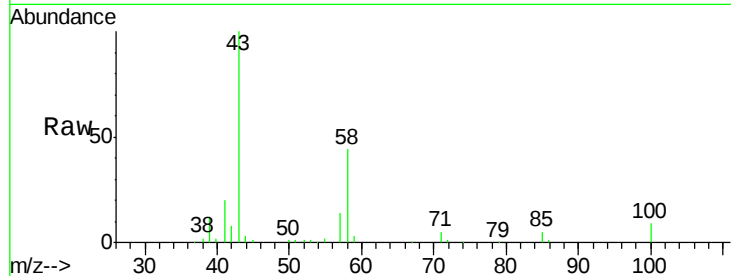




#59
2-Hexanone
Concen: 104.040 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

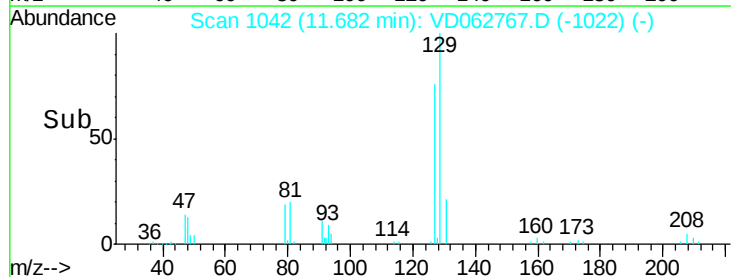
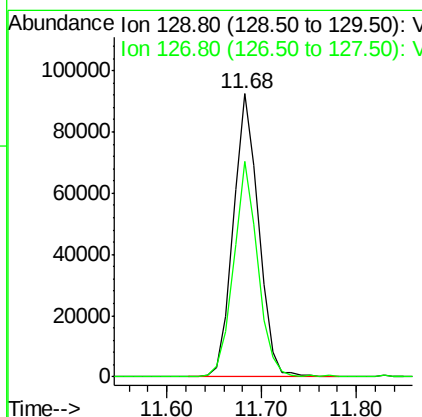
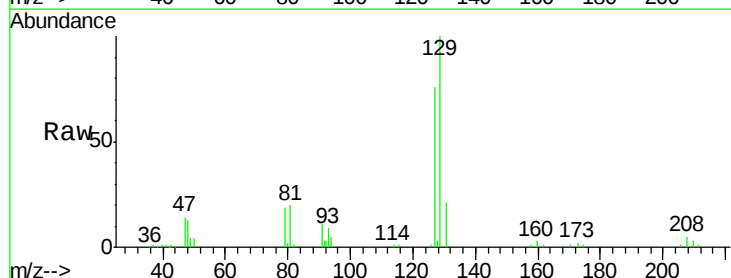
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

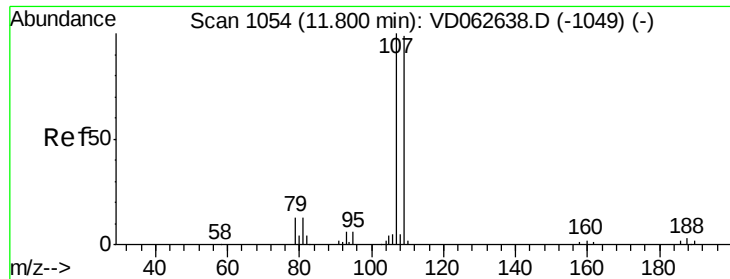
Tot Ion: 43 Resp: 239344
Ion Ratio Lower Upper
43 100
58 43.7 21.8 65.4



#60
Dibromochloromethane
Concen: 22.890 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 129 Resp: 170391
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1

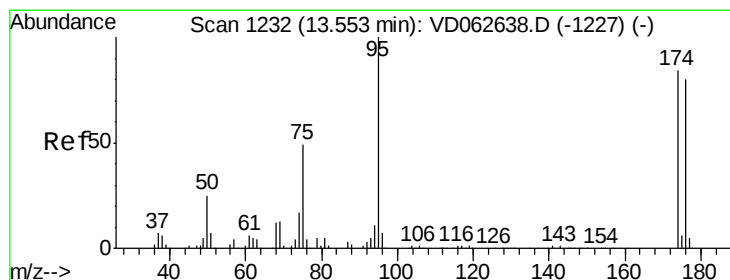
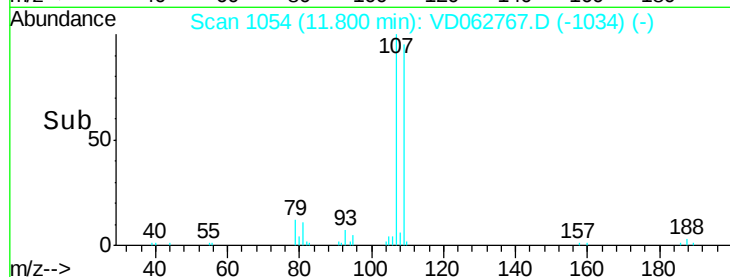
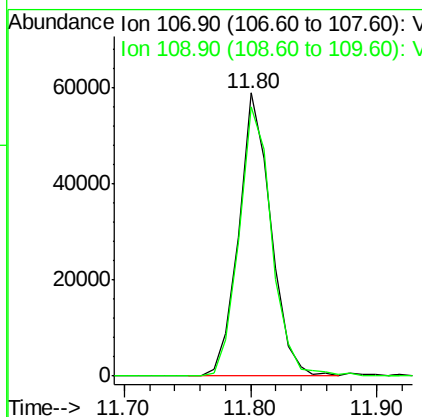
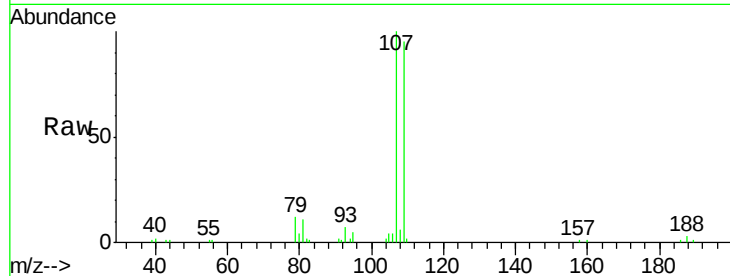




#61
 1,2-Dibromoethane
 Concen: 22.933 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

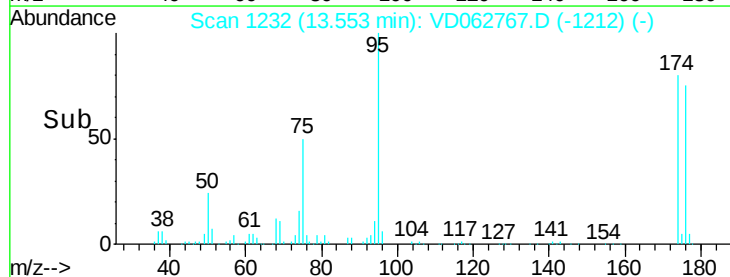
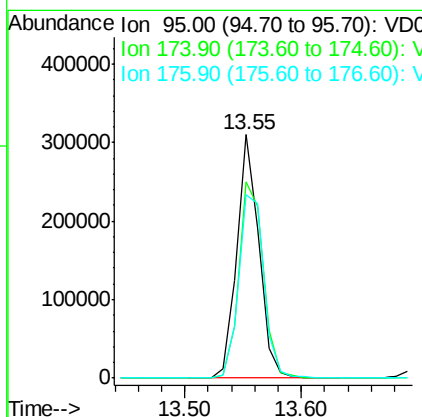
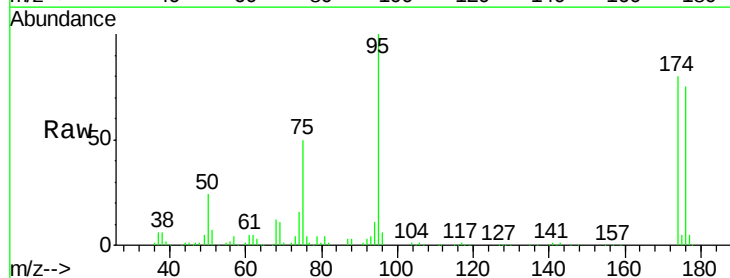
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD02

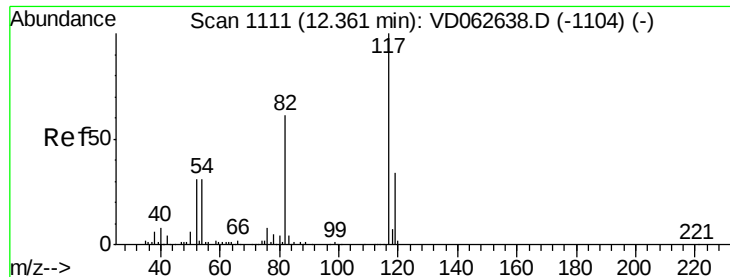
Tot Ion:107 Resp: 103504
 Ion Ratio Lower Upper
 107 100
 109 95.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 53.529 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion: 95 Resp: 405507
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 167.0
 176 75.4 0.0 159.2

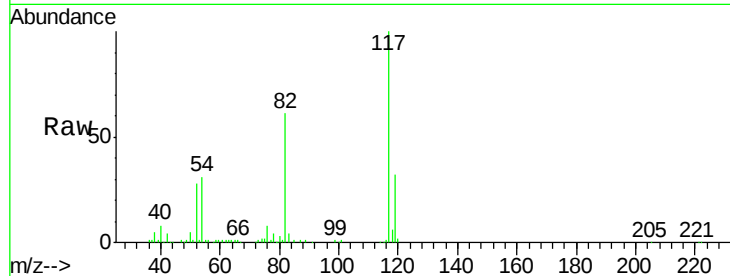




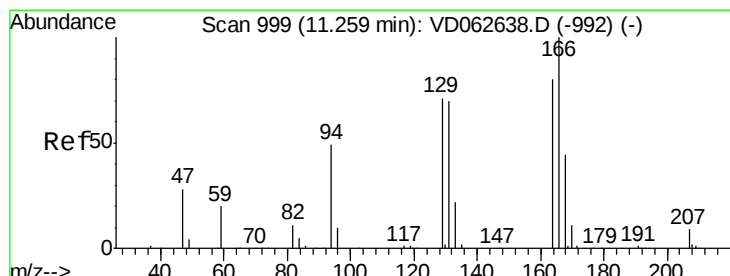
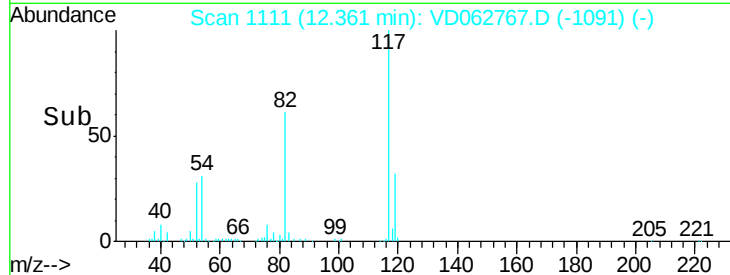
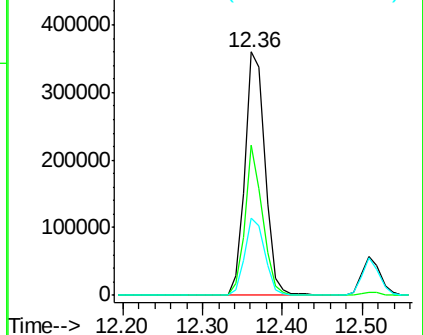
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

Tot Ion:117 Resp: 624833
Ion Ratio Lower Upper
117 100
82 61.4 48.7 73.1
119 31.7 27.0 40.6

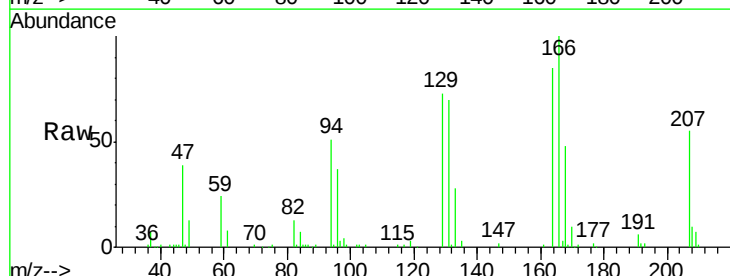


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

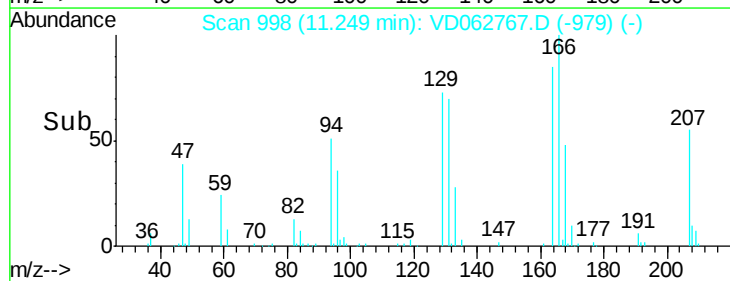
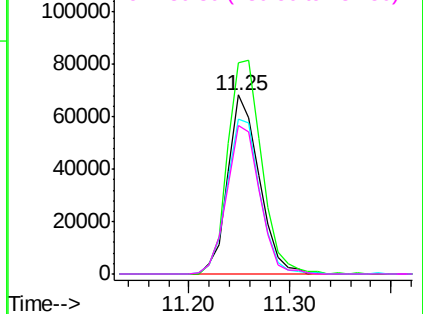


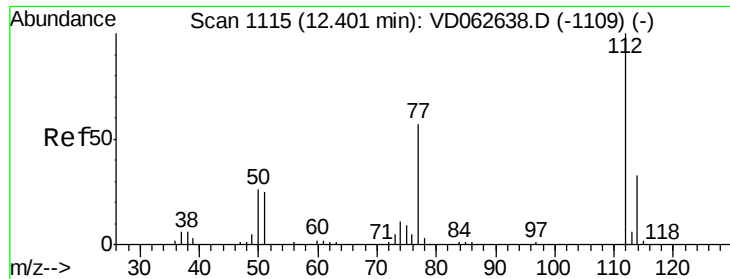
#64
Tetrachloroethene
Concen: 25.240 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion:164 Resp: 147635
Ion Ratio Lower Upper
164 100
166 118.0 99.4 149.2
129 86.4 70.2 105.4
131 83.0 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

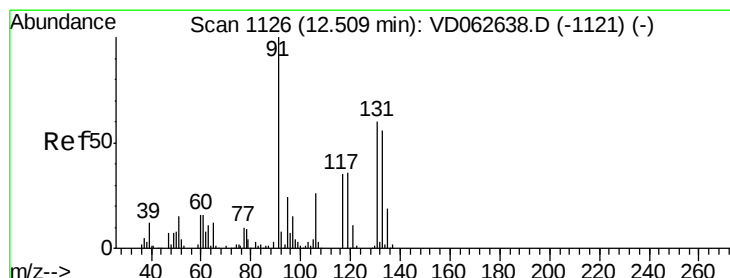
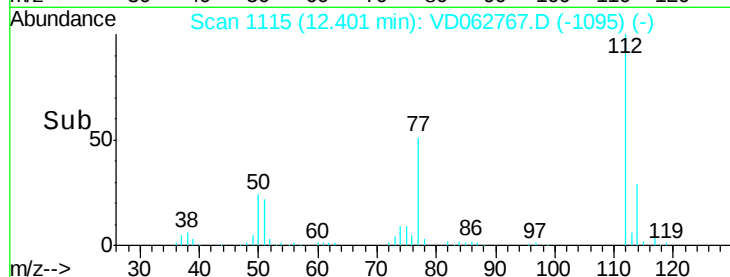
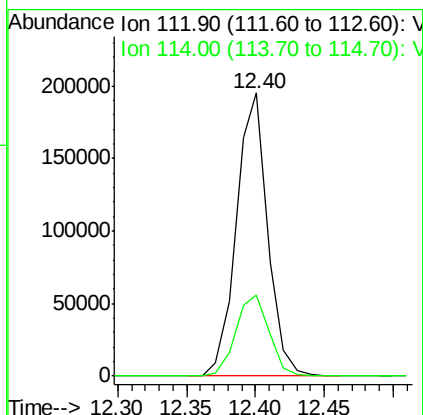
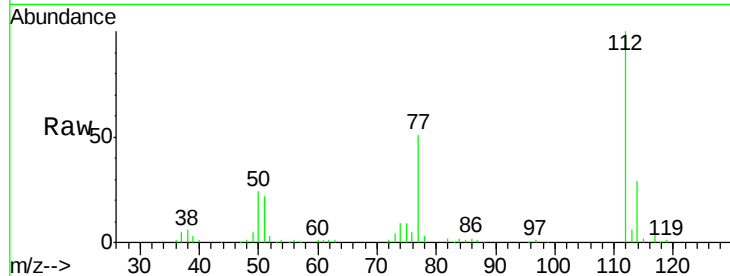




#65
Chlorobenzene
Concen: 22.279 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

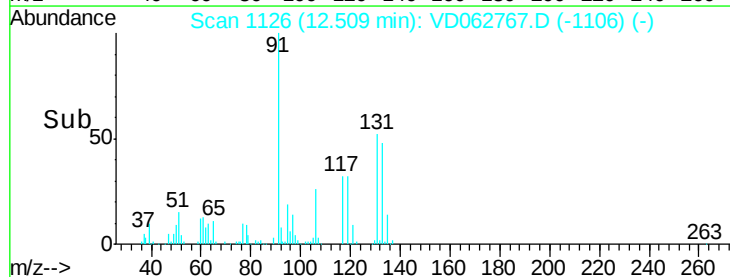
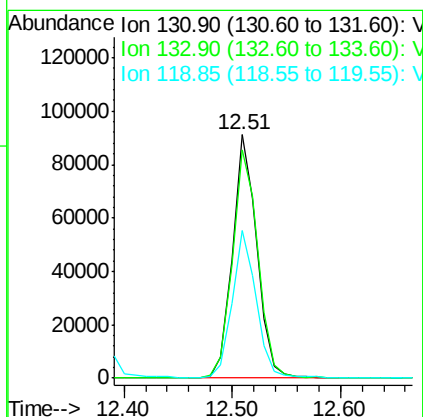
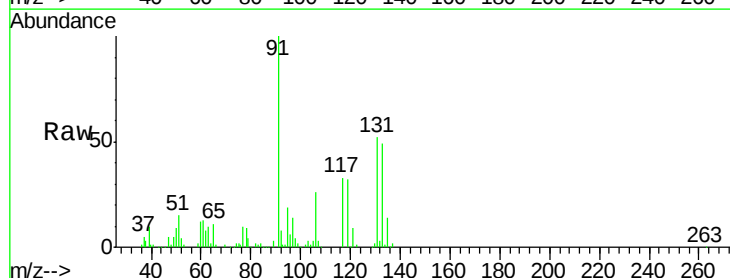
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBSD02

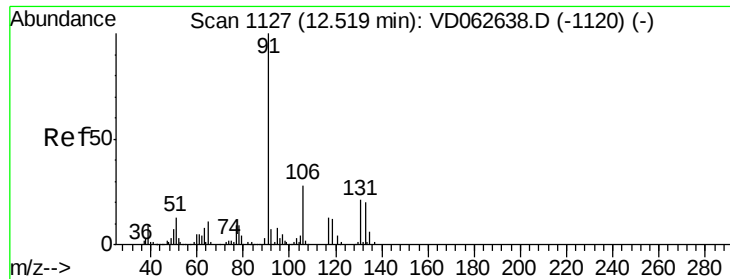
Tot Ion:112 Resp: 307921
Ion Ratio Lower Upper
112 100
114 28.7 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.593 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion:131 Resp: 142337
Ion Ratio Lower Upper
131 100
133 93.6 46.8 140.3
119 60.8 29.9 89.8

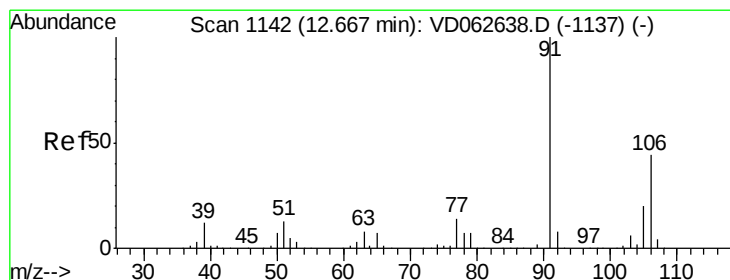
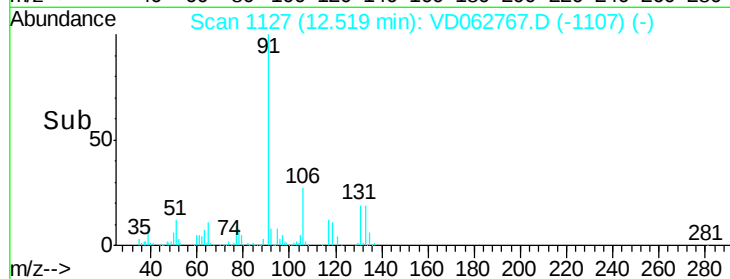
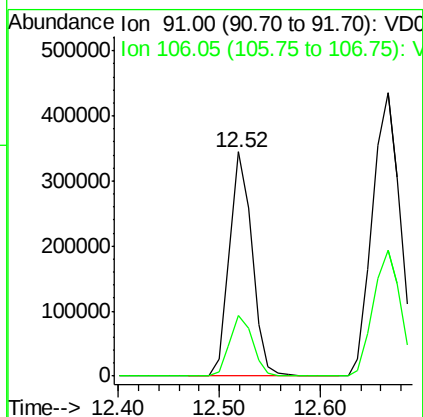
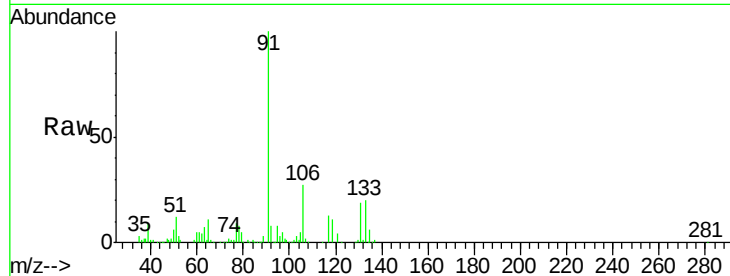




#67
Ethyl Benzene
Concen: 21.978 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

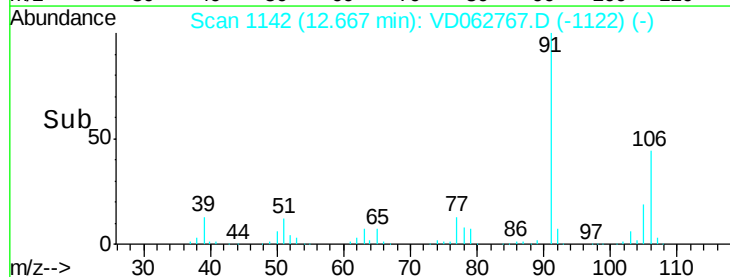
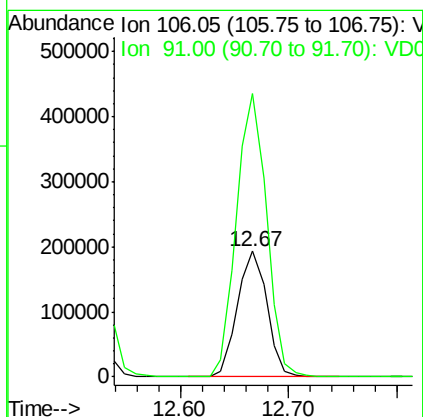
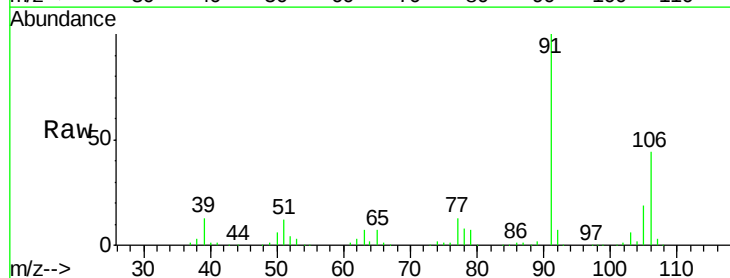
Instrument :
MSVOA_D
ClientSampleId :
VD0618SBS02

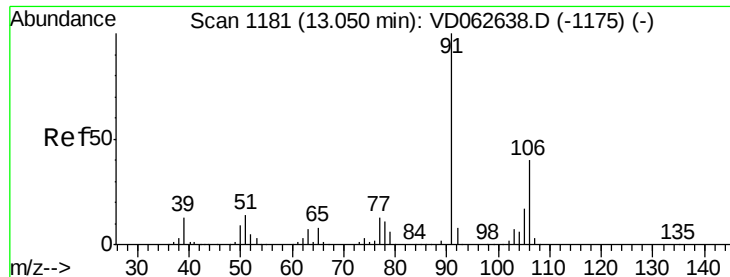
Tot Ion: 91 Resp: 538563
Ion Ratio Lower Upper
91 100
106 27.0 22.1 33.1



#68
m/p-Xylenes
Concen: 42.825 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion: 106 Resp: 368926
Ion Ratio Lower Upper
106 100
91 224.9 180.2 270.4

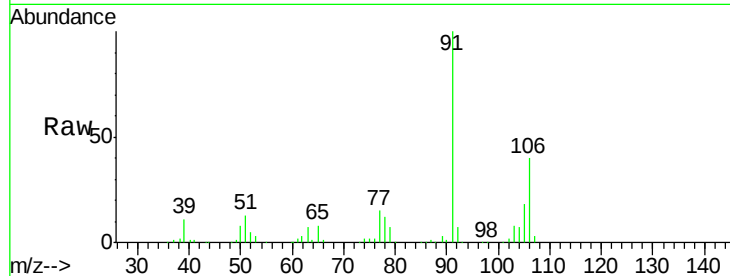




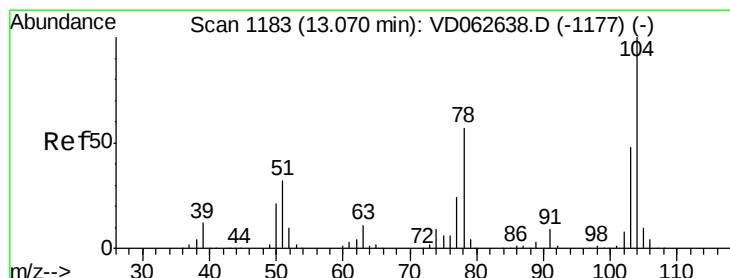
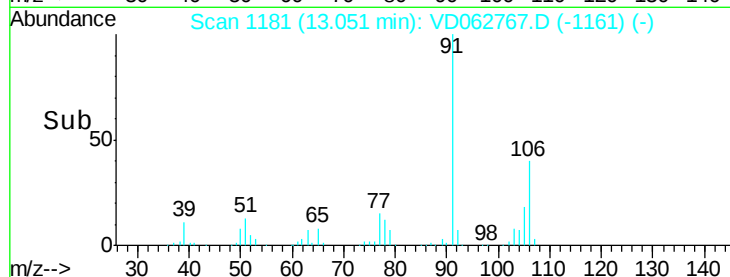
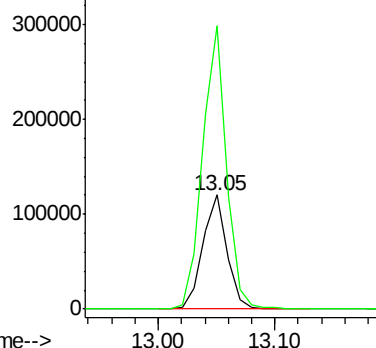
#69
o-Xylene
Concen: 21.947 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Instrument :
MSVOA_D
ClientSampleID :
VD0618SBSD02

Tot Ion:106 Resp: 173644
Ion Ratio Lower Upper
106 100
91 247.4 124.1 372.1

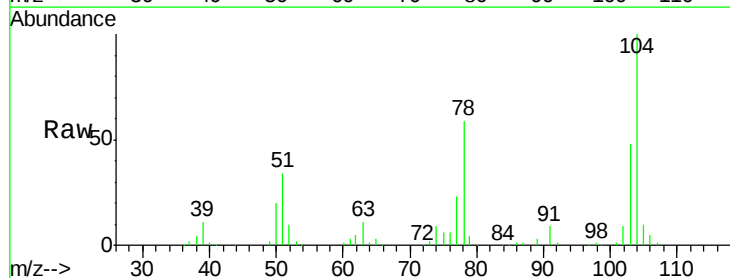


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

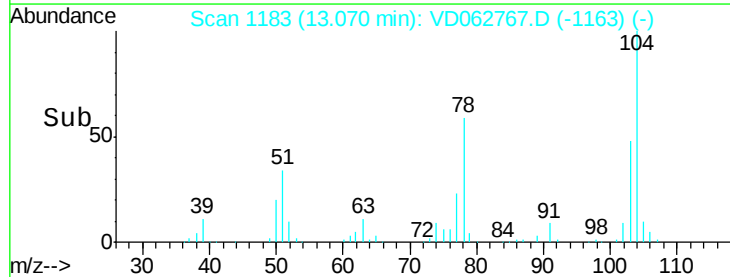
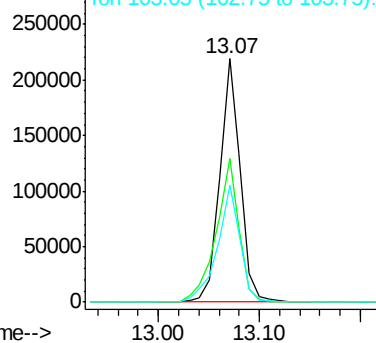


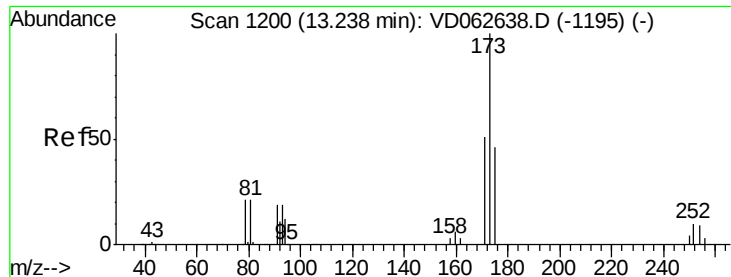
#70
Styrene
Concen: 22.008 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062767.D
Acq: 19 Jun 2019 1:56

Tgt Ion:104 Resp: 310693
Ion Ratio Lower Upper
104 100
78 58.8 45.9 68.9
103 48.2 38.4 57.6



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





#71

Bromoform

Concen: 21.653 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

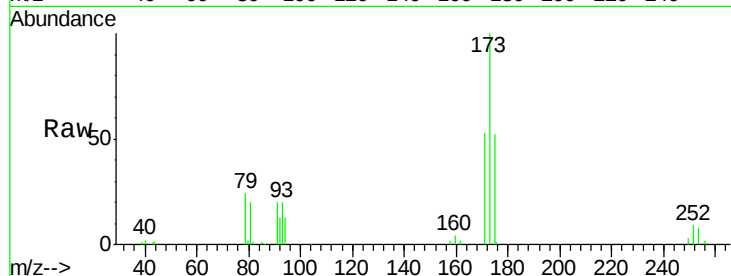
Tot Ion:173 Resp: 100888

Ion Ratio Lower Upper

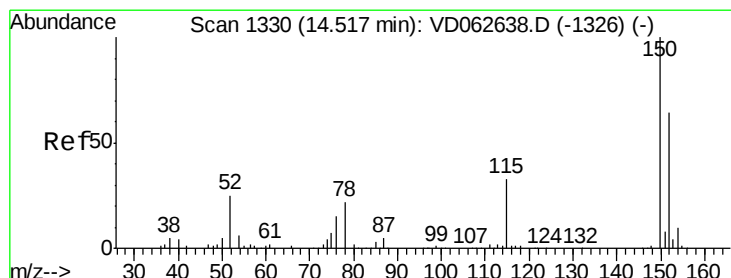
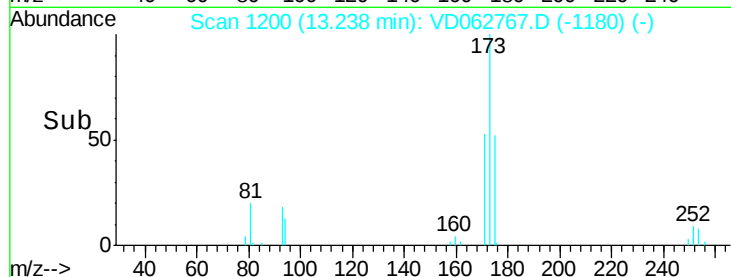
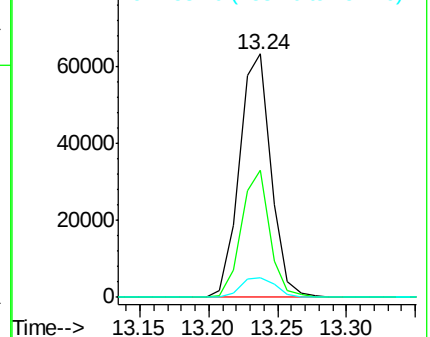
173 100

175 52.0 22.9 68.7

254 7.8 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: VD062767.D

Acq: 19 Jun 2019 1:56

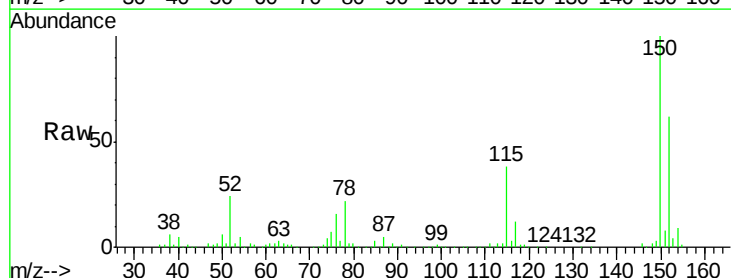
Tgt Ion:152 Resp: 349262

Ion Ratio Lower Upper

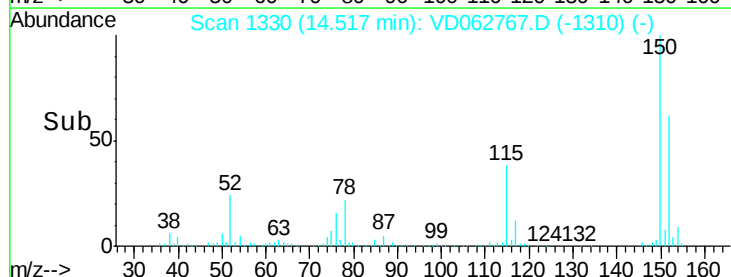
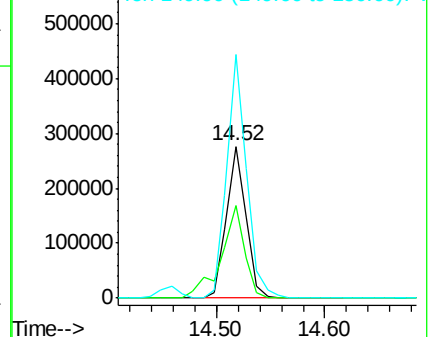
152 100

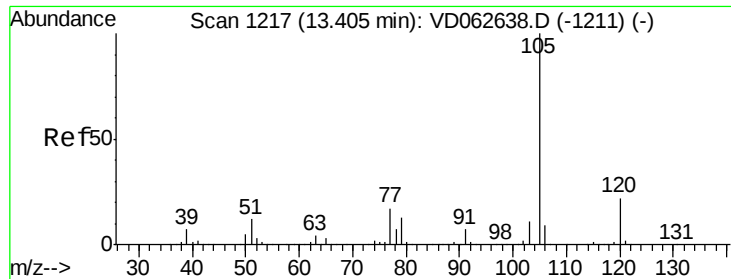
115 60.8 30.1 90.5

150 160.2 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: 22.764 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

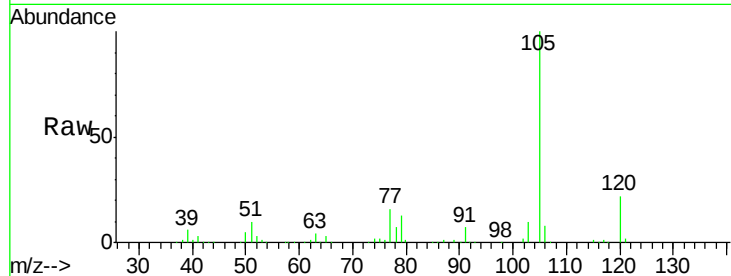
VD0618SBSD02

Tot Ion:105 Resp: 560407

Ion Ratio Lower Upper

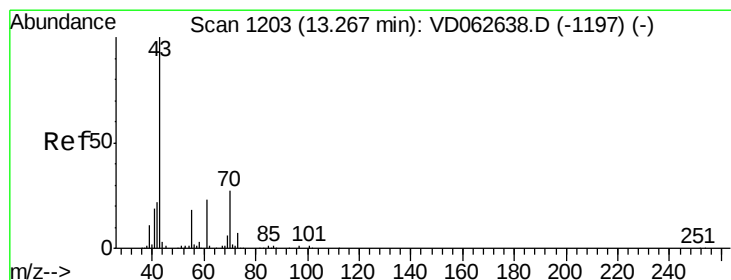
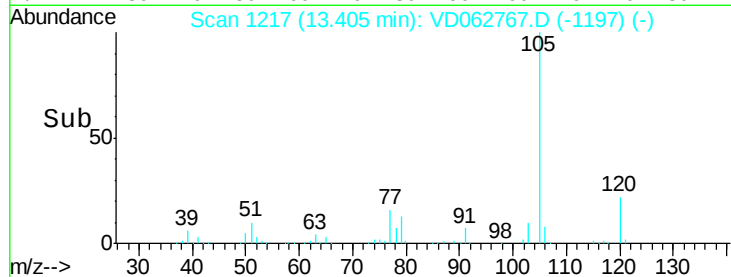
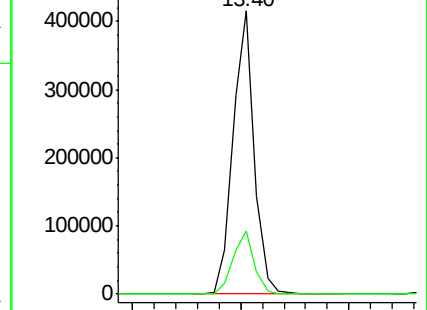
105 100

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



#74

N-ethyl acetate

Concen: 21.861 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Tgt Ion: 43 Resp: 145442

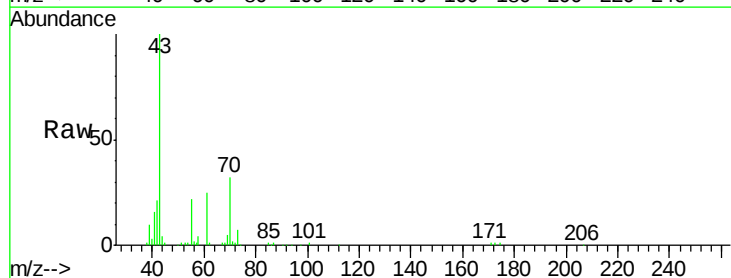
Ion Ratio Lower Upper

43 100

70 31.6 21.8 32.8

55 21.8 14.6 21.8#

61 24.9 18.4 27.6

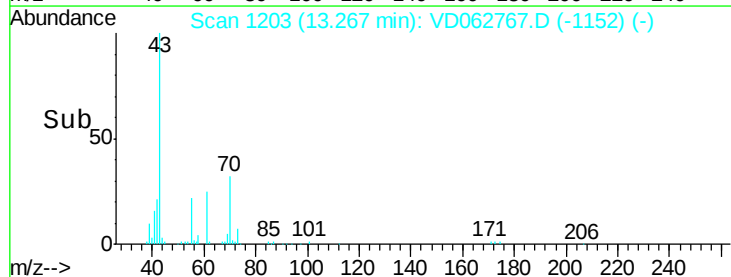
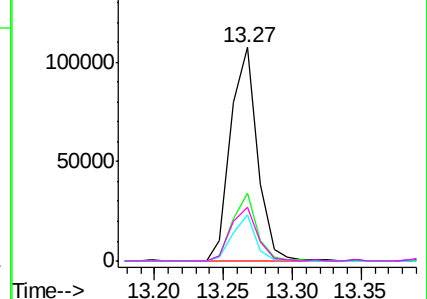


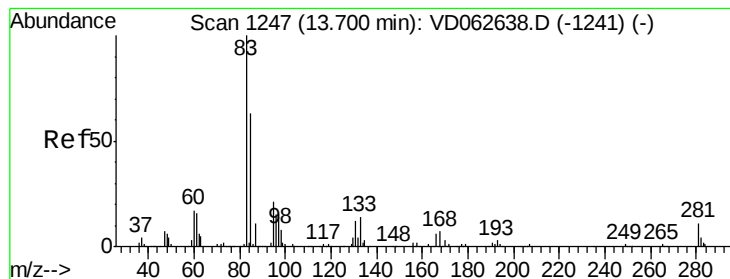
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.329 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBSD02

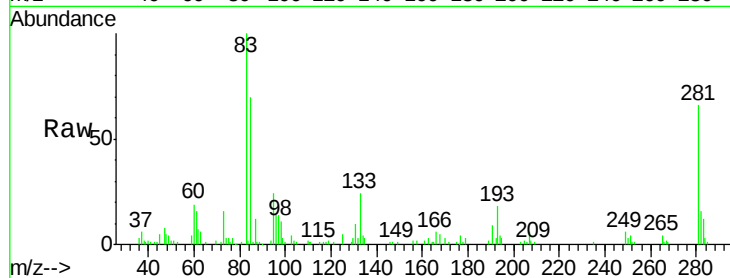
Tot Ion: 83 Resp: 89844

Ion Ratio Lower Upper

83 100

131 10.4 5.9 17.7

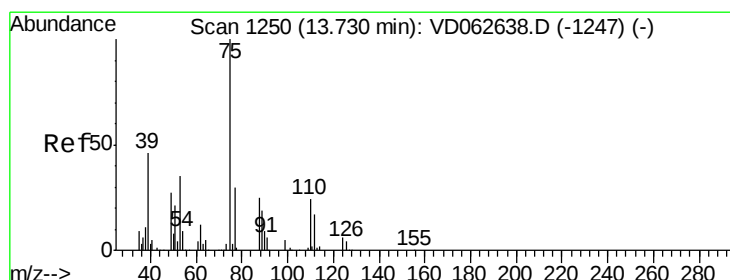
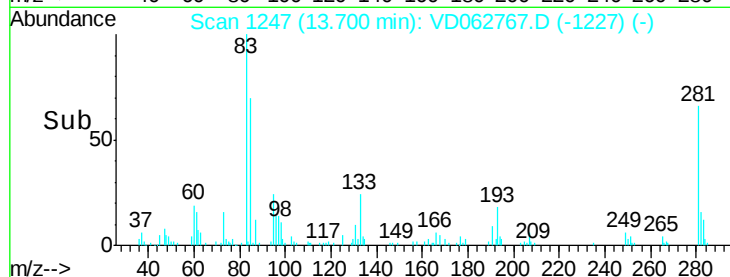
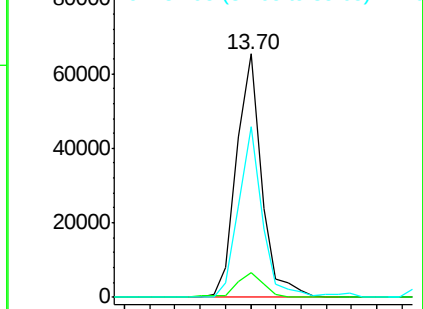
85 69.9 31.3 93.9



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: 22.631 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062767.D

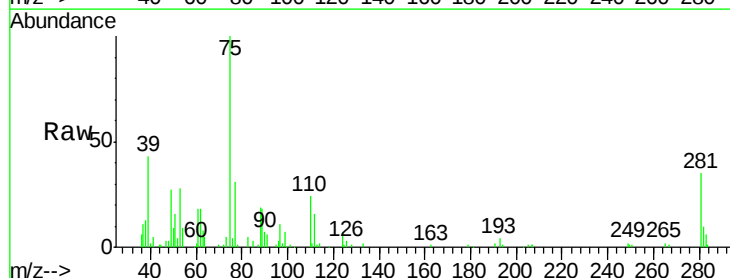
Acq: 19 Jun 2019 1:56

Tgt Ion: 75 Resp: 107175

Ion Ratio Lower Upper

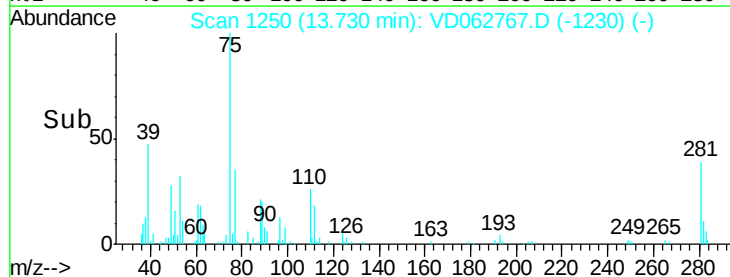
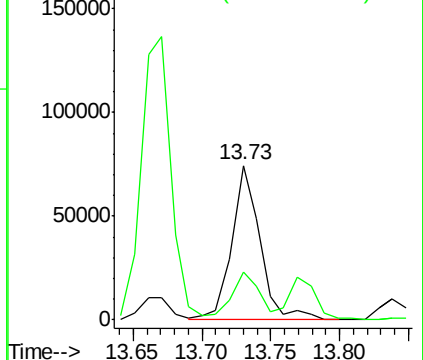
75 100

77 31.2 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: 22.858 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

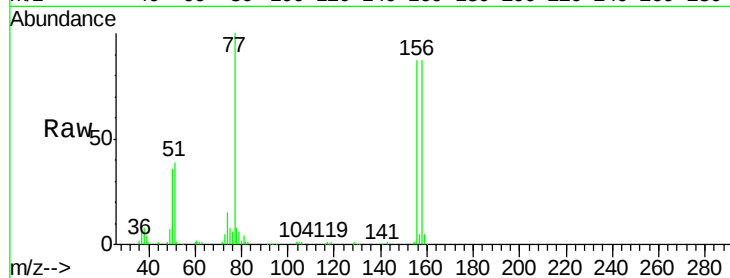
Tot Ion:156 Resp: 160831

Ion Ratio Lower Upper

156 100

77 115.3 56.3 168.8

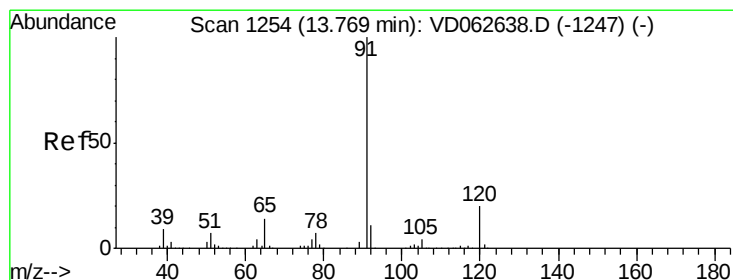
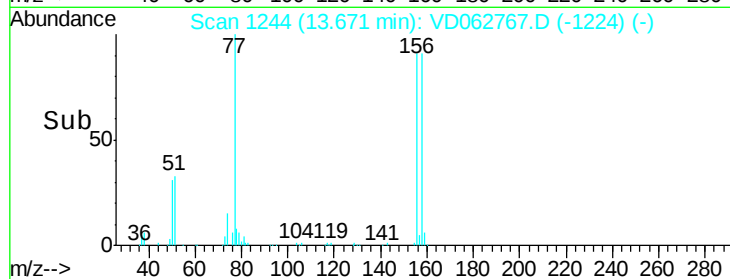
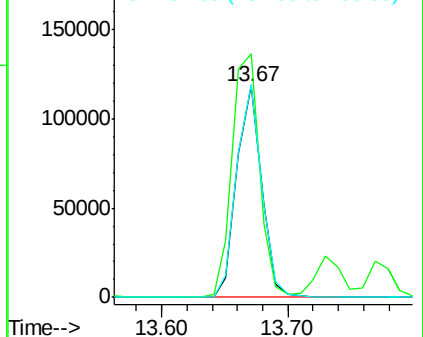
158 100.6 49.6 148.8



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: 21.593 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062767.D

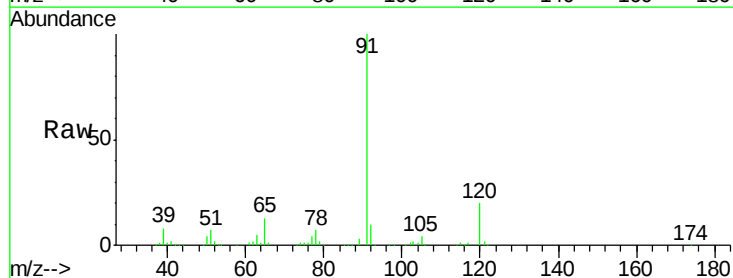
Acq: 19 Jun 2019 1:56

Tgt Ion: 91 Resp: 650661

Ion Ratio Lower Upper

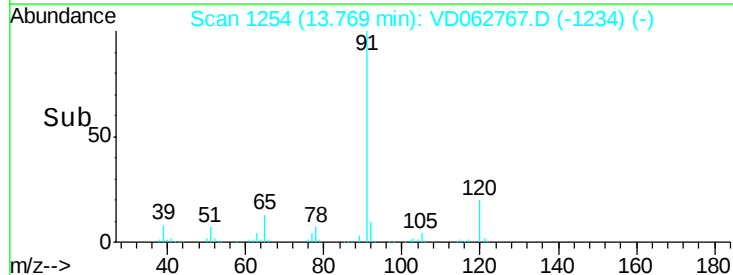
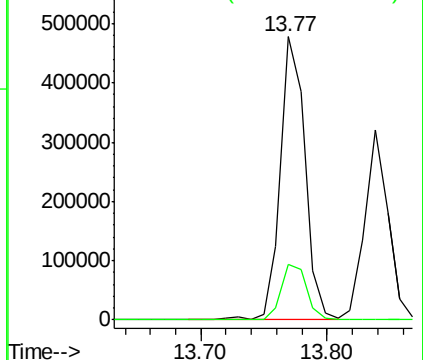
91 100

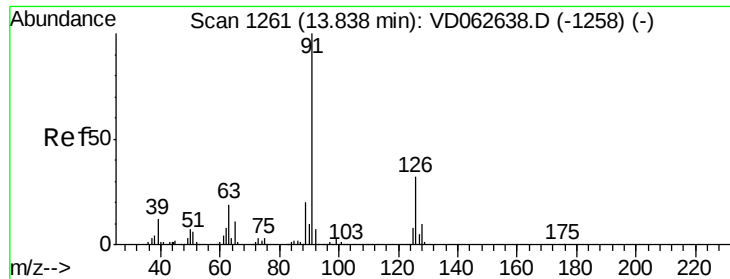
120 19.6 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

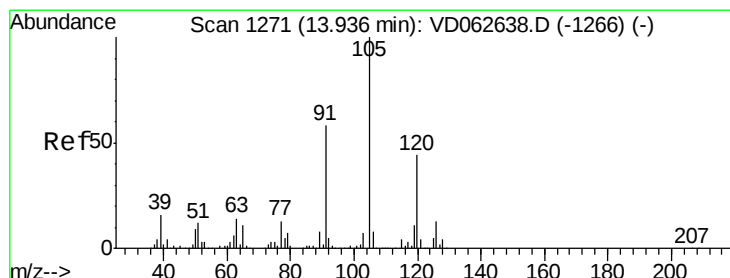
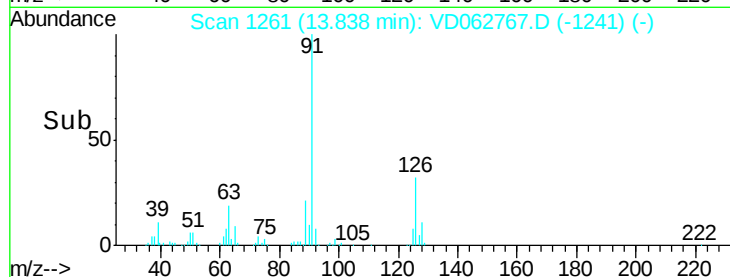
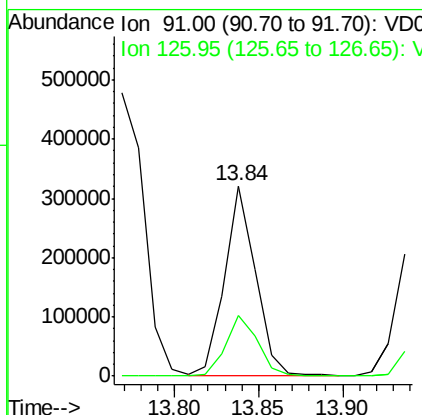
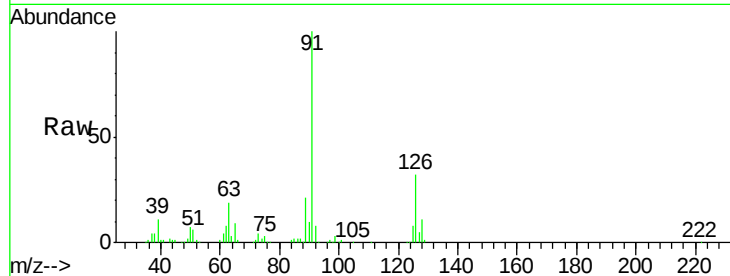




#79
 2-Chlorotoluene
 Concen: 23.285 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

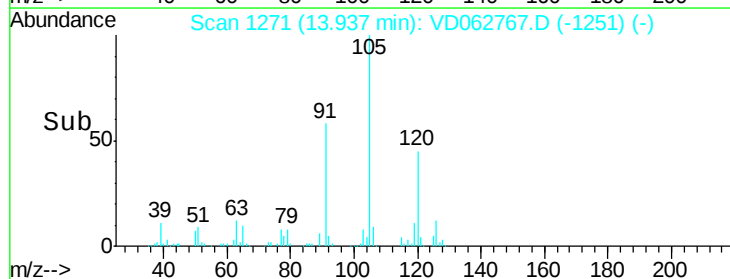
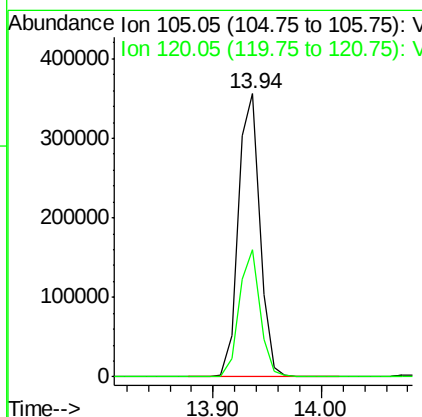
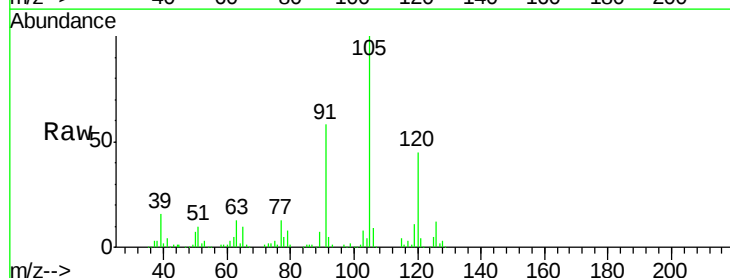
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD02

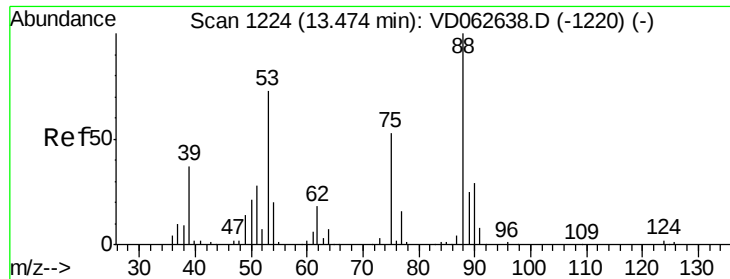
Tot Ion: 91 Resp: 410829
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.8 47.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.669 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion: 105 Resp: 493203
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.1 66.5





#81

trans-1,4-Dichloro-2-butene

Concen: 21.069 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

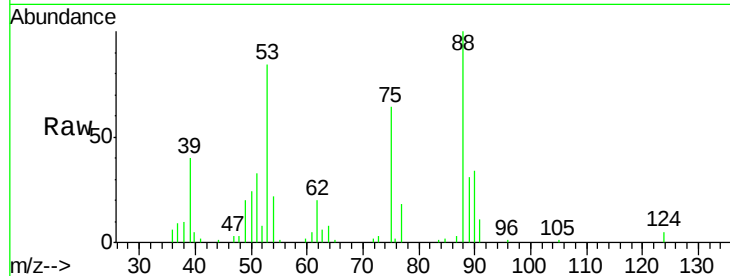
Tot Ion: 75 Resp: 26157

Ion Ratio Lower Upper

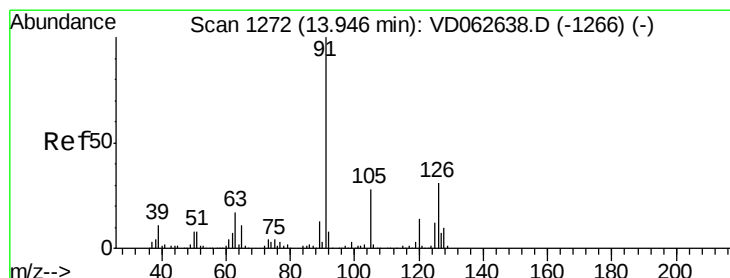
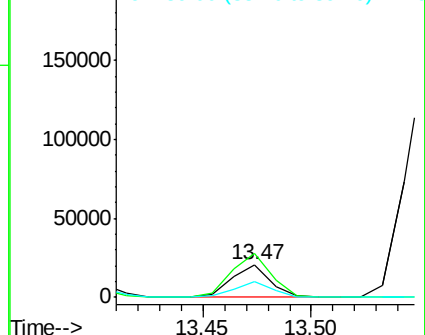
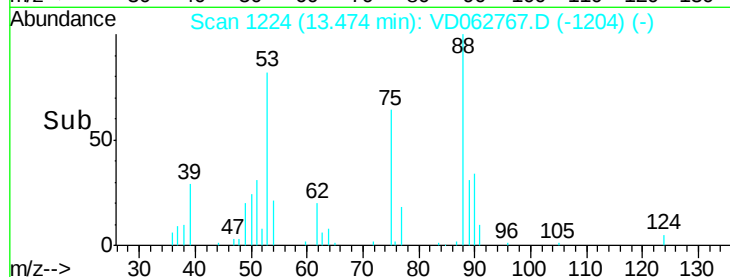
75 100

53 131.9 109.4 164.2

89 48.6 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: 23.065 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062767.D

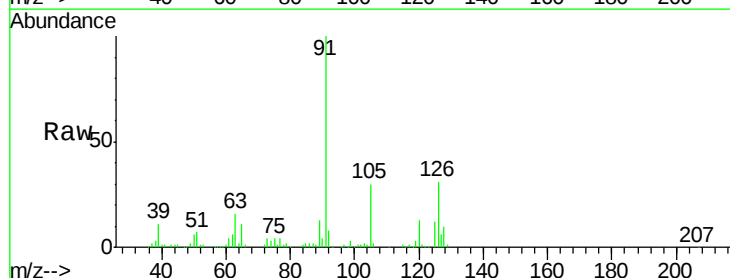
Acq: 19 Jun 2019 1:56

Tgt Ion: 91 Resp: 486664

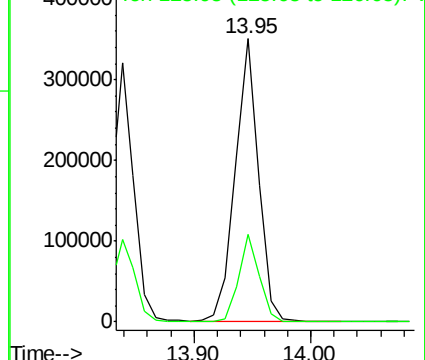
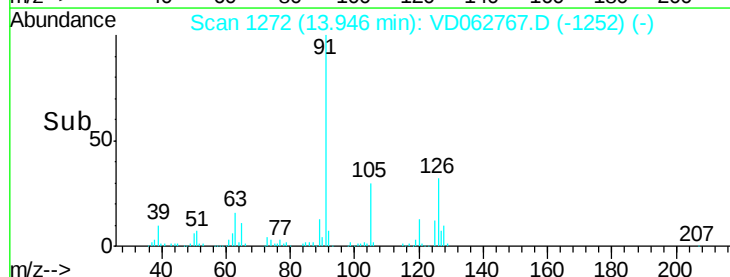
Ion Ratio Lower Upper

91 100

126 30.8 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: 22.743 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

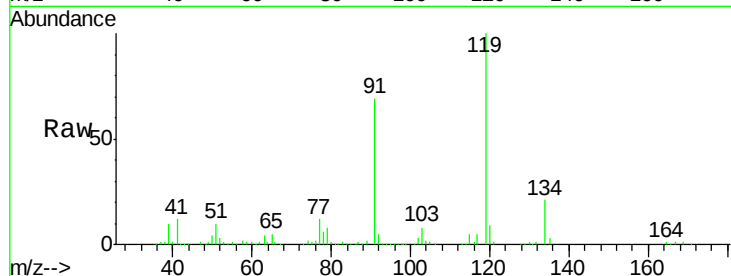
Tot Ion:119 Resp: 545768

Ion Ratio Lower Upper

119 100

91 69.5 35.4 106.1

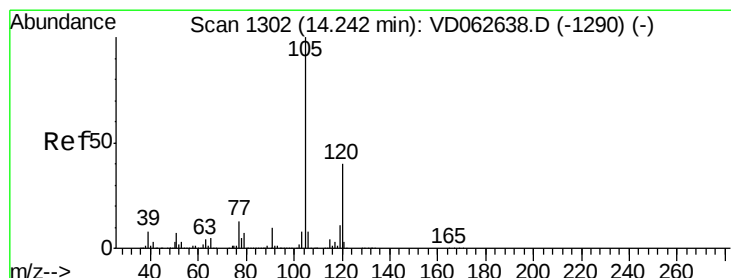
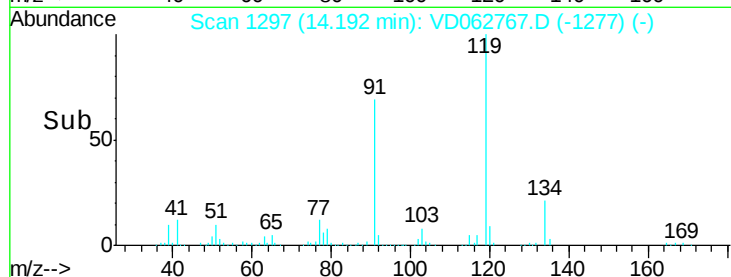
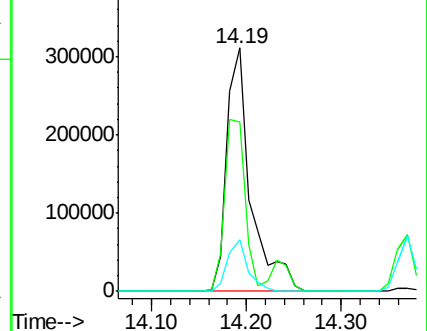
134 21.4 10.8 32.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.930 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062767.D

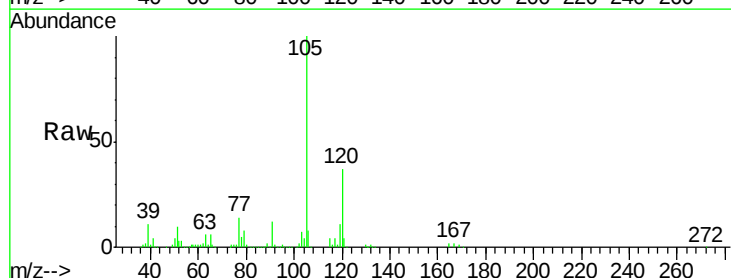
Acq: 19 Jun 2019 1:56

Tgt Ion:105 Resp: 472420

Ion Ratio Lower Upper

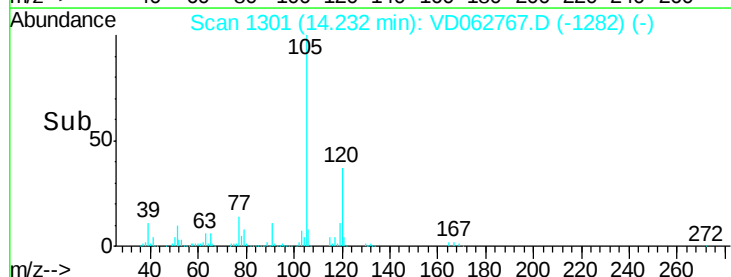
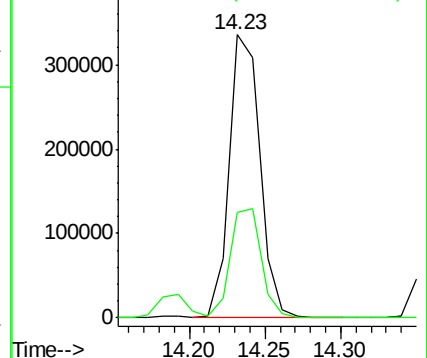
105 100

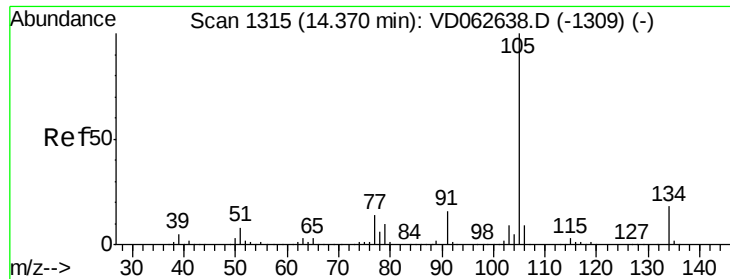
120 37.5 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

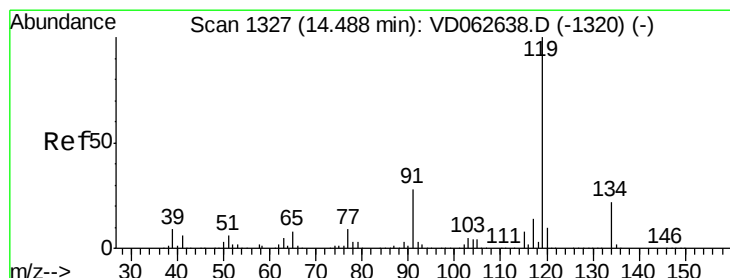
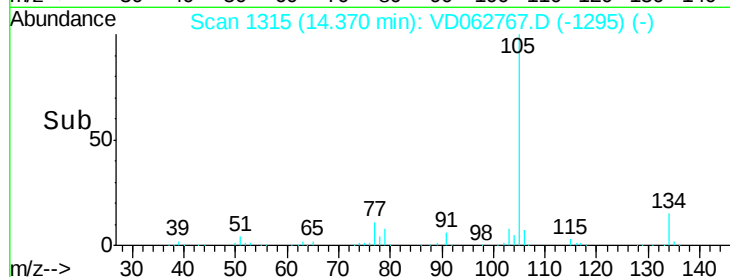
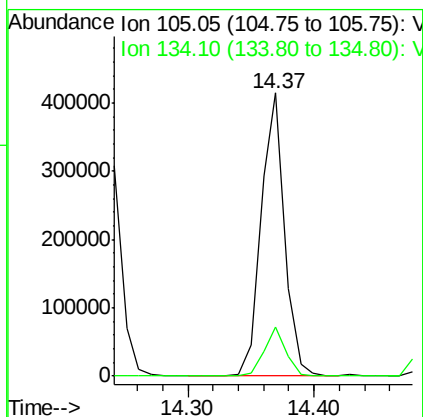
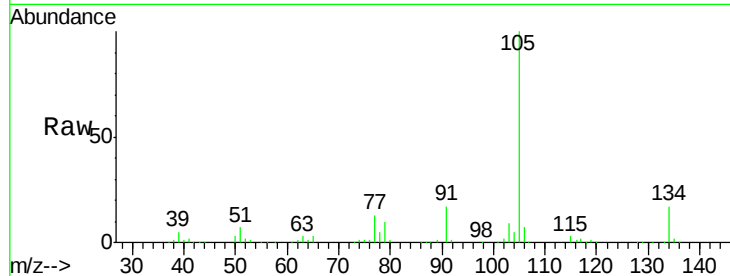




#85
 sec-Butylbenzene
 Concen: 21.271 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

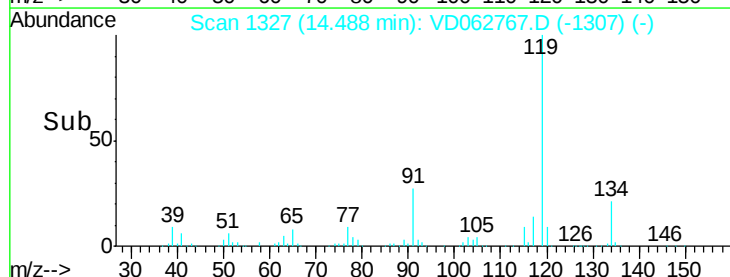
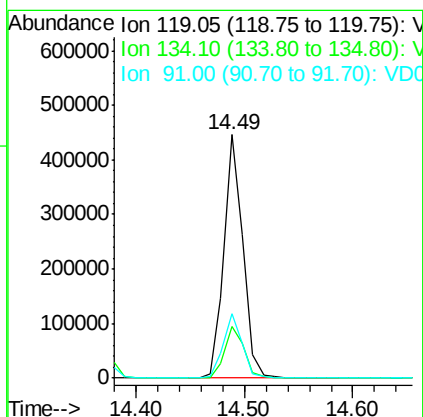
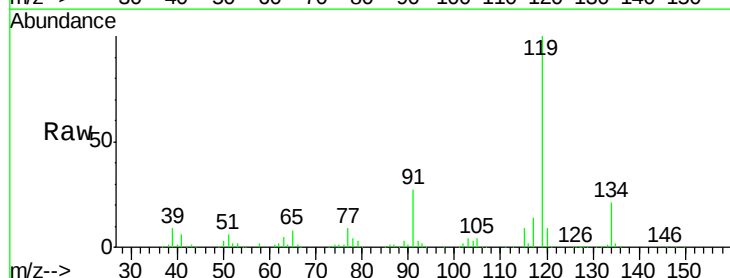
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0618SBSD02

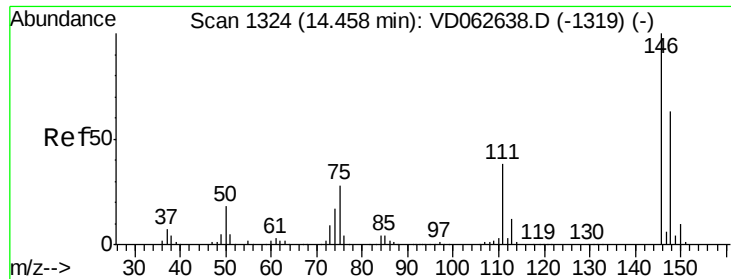
Tot Ion:105 Resp: 535254
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 22.151 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion:119 Resp: 542681
 Ion Ratio Lower Upper
 119 100
 134 21.1 10.9 32.6
 91 26.6 13.9 41.6

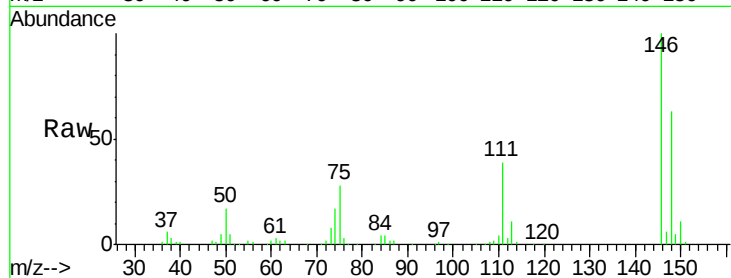




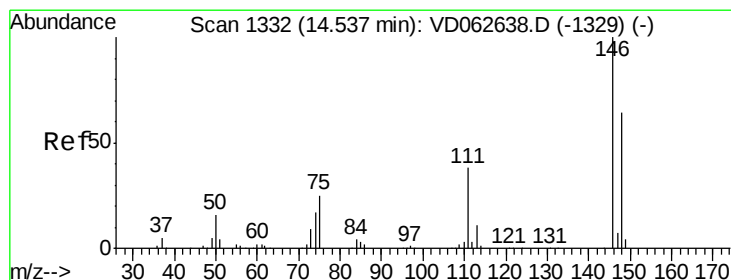
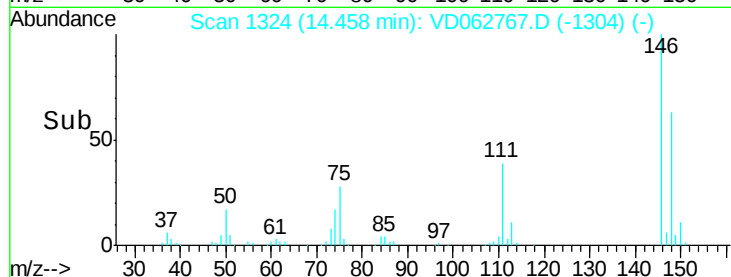
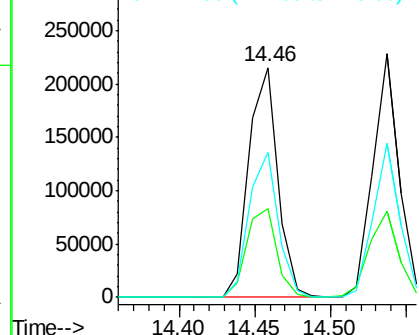
#87
 1,3-Dichlorobenzene
 Concen: 22.564 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS02

Tot Ion:146 Resp: 287617
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.2 57.6
 148 63.3 31.6 95.0

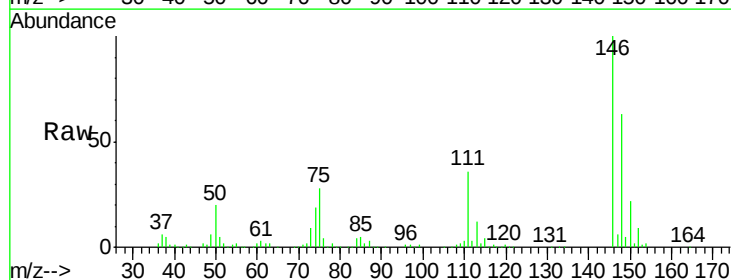


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

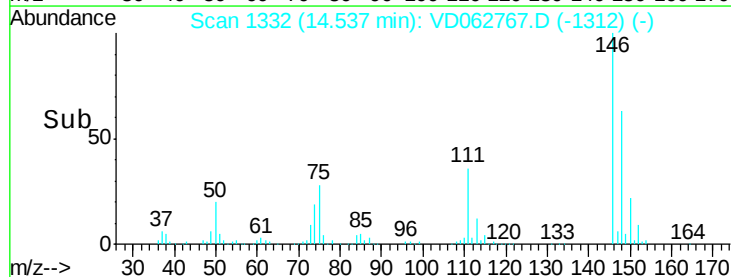
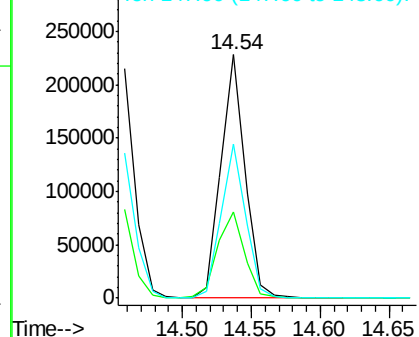


#88
 1,4-Dichlorobenzene
 Concen: 22.974 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion:146 Resp: 276753
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.9 56.7
 148 63.5 32.3 96.8



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





#89

n-Butylbenzene

Concen: 22.424 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

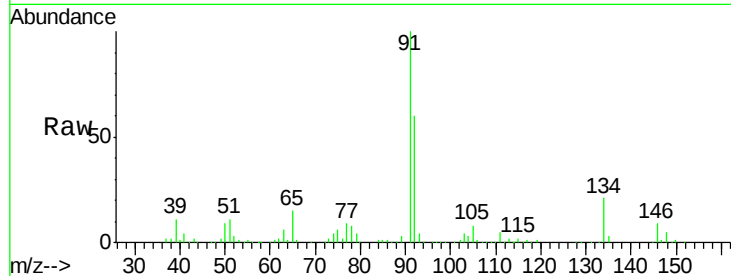
Tot Ion: 91 Resp: 494227

Ion Ratio Lower Upper

91 100

92 59.9 29.4 88.3

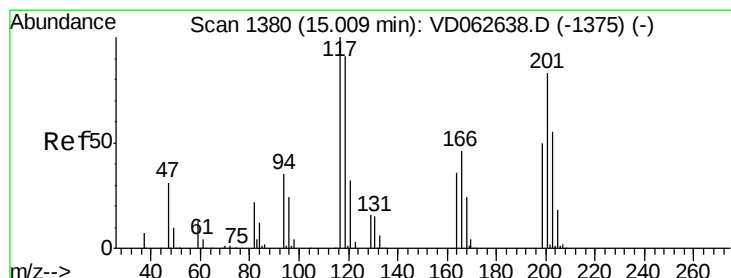
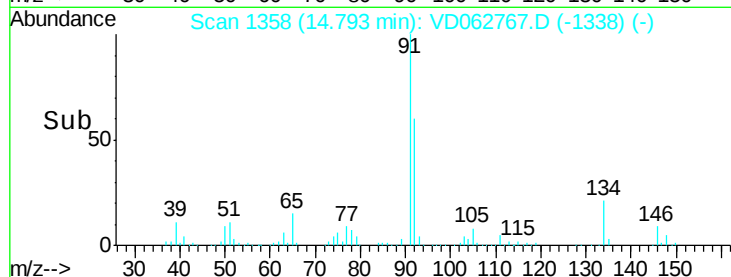
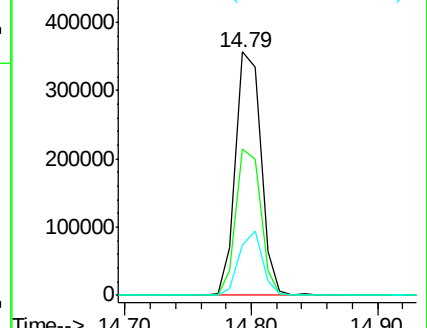
134 20.7 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.810 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062767.D

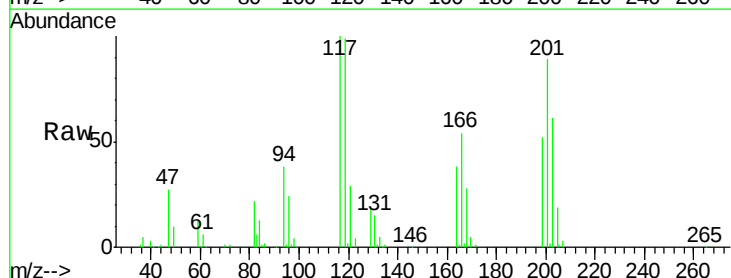
Acq: 19 Jun 2019 1:56

Tgt Ion: 117 Resp: 141061

Ion Ratio Lower Upper

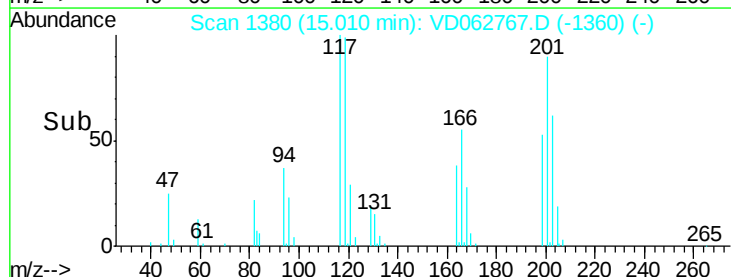
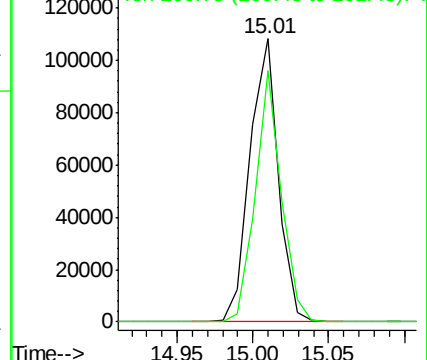
117 100

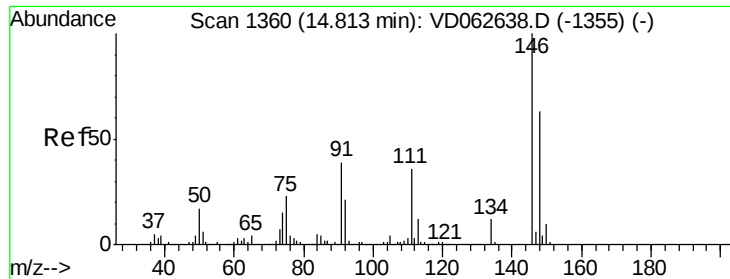
201 89.0 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

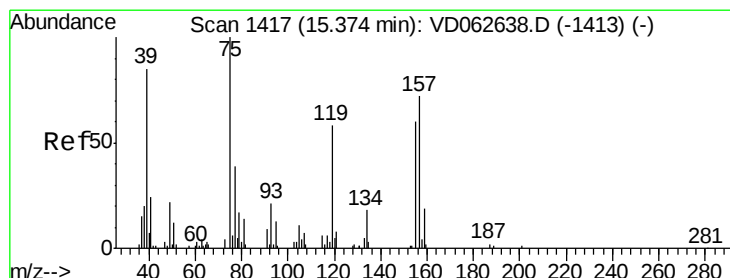
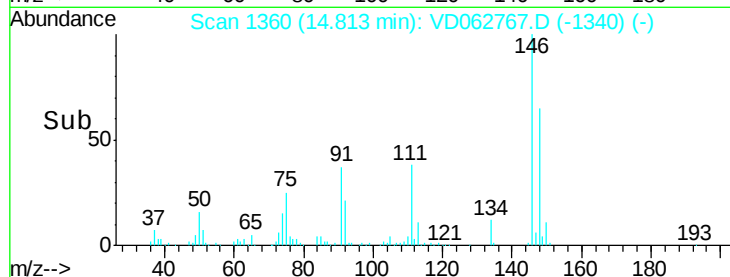
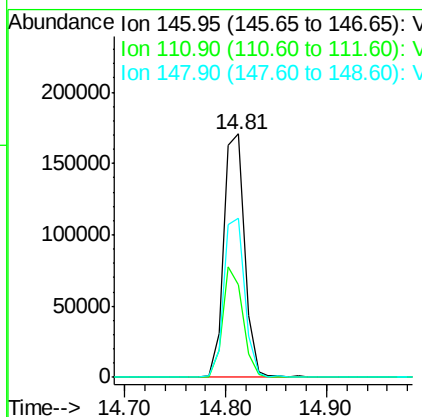
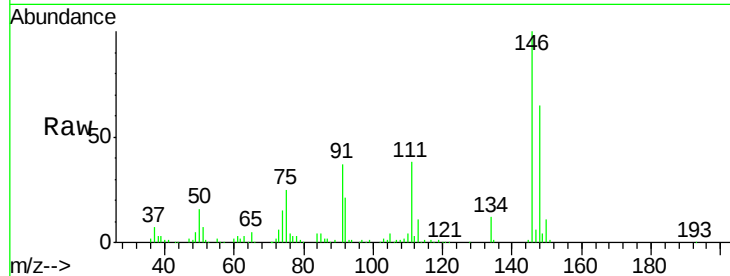




#91
 1,2-Dichlorobenzene
 Concen: 23.246 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

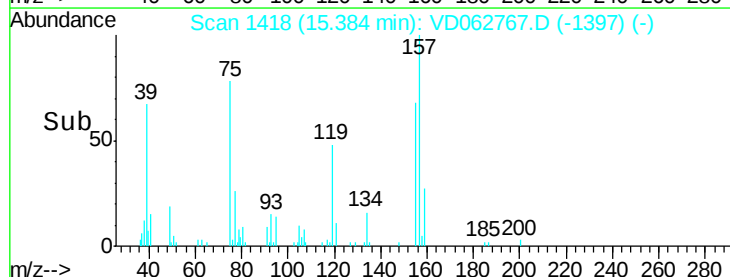
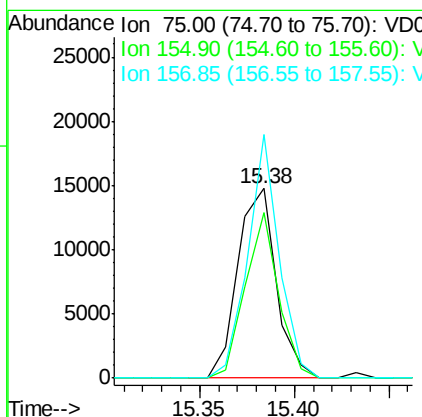
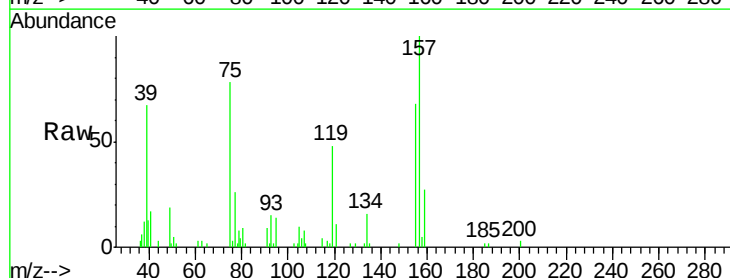
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD02

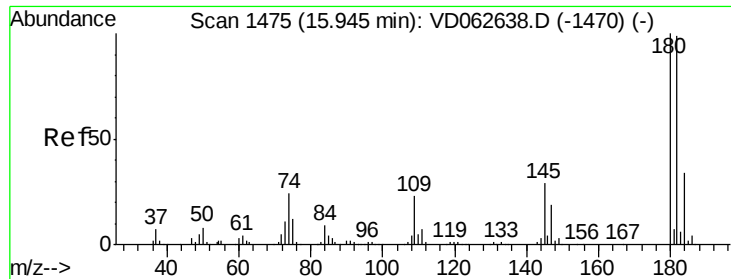
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.3
148	65.1	31.4	94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.945 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	30.1	90.5
157	128.5	35.9	107.8#

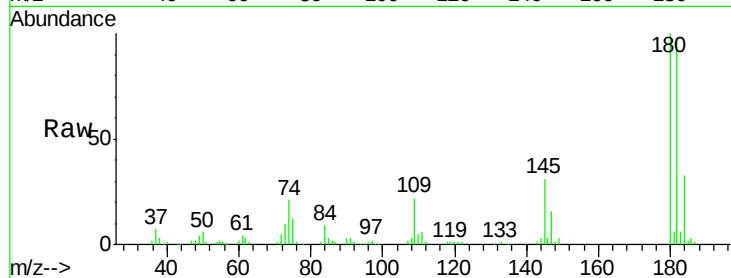




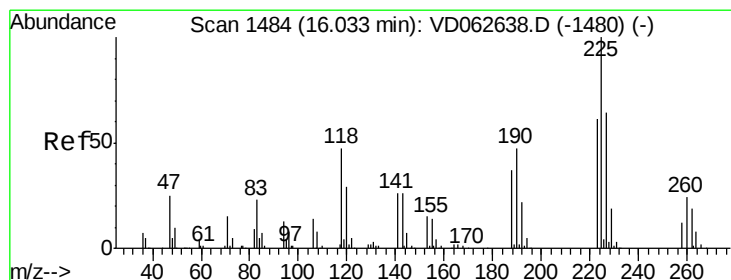
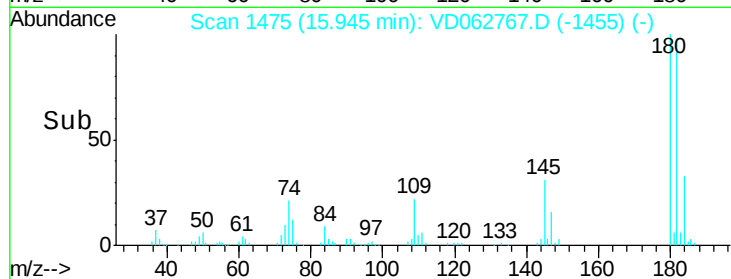
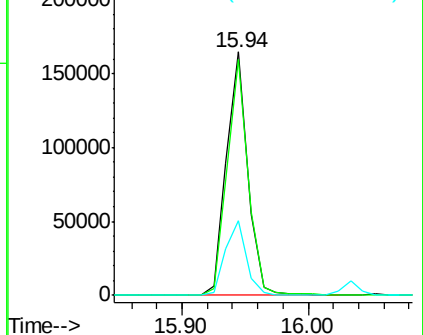
#93
 1,2,4-Trichlorobenzene
 Concen: 23.358 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBSD02

Tot Ion:180 Resp: 191547
 Ion Ratio Lower Upper
 180 100
 182 97.2 49.4 148.2
 145 30.9 14.5 43.6

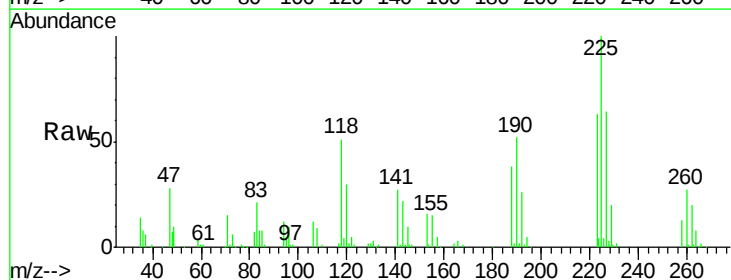


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

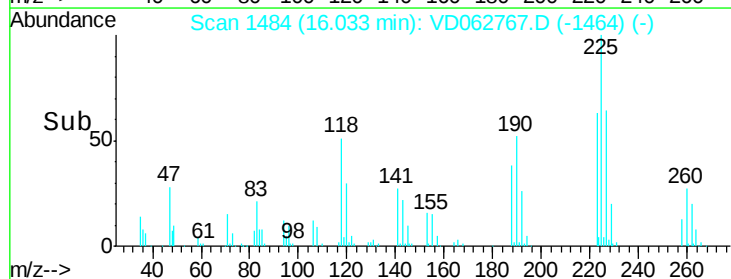
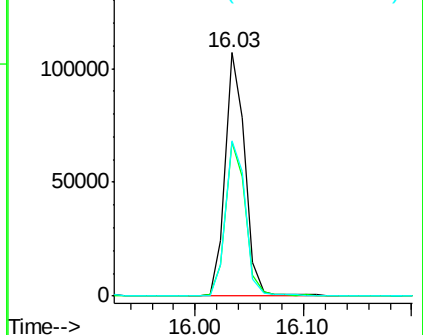


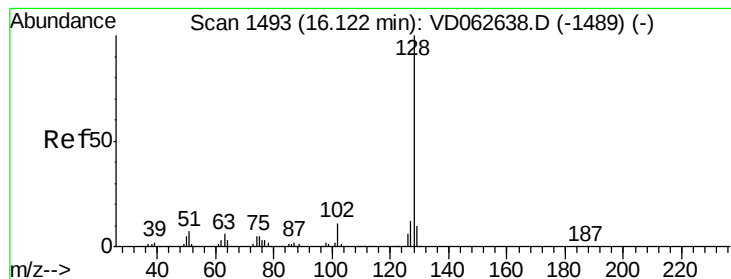
#94
 Hexachlorobutadiene
 Concen: 21.846 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062767.D
 Acq: 19 Jun 2019 1:56

Tgt Ion:225 Resp: 136667
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.3 91.0
 227 63.6 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: 22.999 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

VD0618SBS02

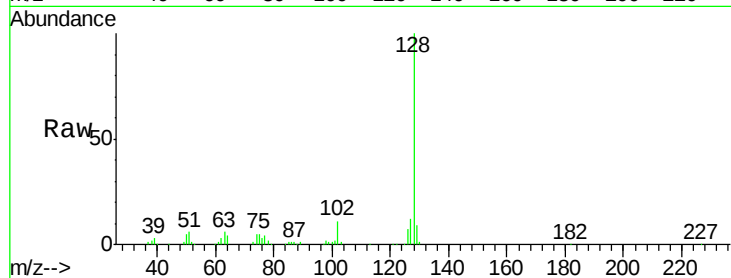
Tot Ion:128 Resp: 266106

Ion Ratio Lower Upper

128 100

127 11.8 9.7 14.5

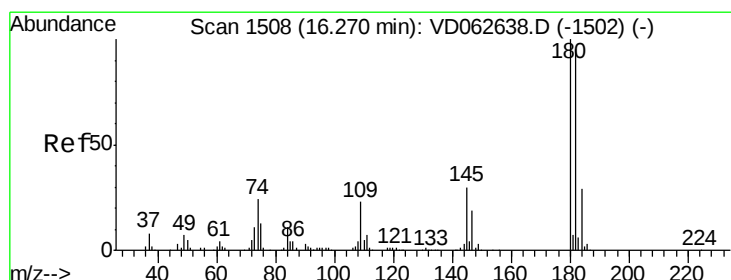
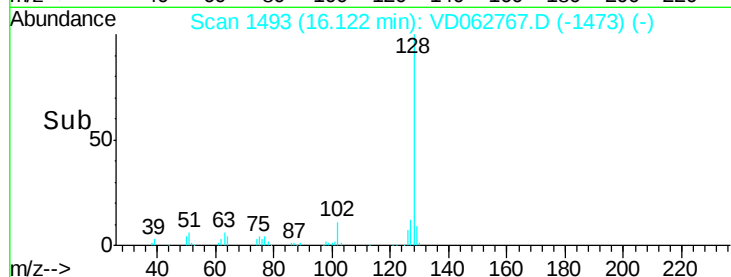
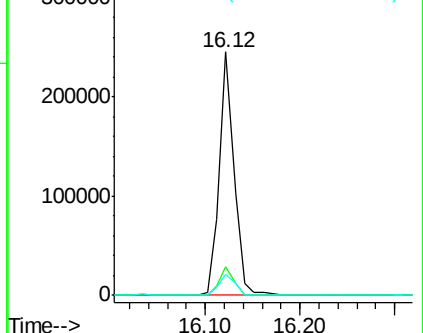
129 8.8 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.541 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062767.D

Acq: 19 Jun 2019 1:56

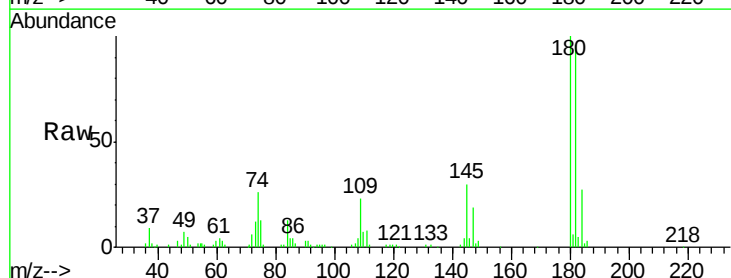
Tgt Ion:180 Resp: 143670

Ion Ratio Lower Upper

180 100

182 96.0 47.7 143.1

145 30.2 15.0 45.0



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

