

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
 Data File : VD062648.D
 Acq On : 10 Jun 2019 12:50
 Operator : VA/AP
 Sample : VD0610SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

Quant Time: Jun 11 03:54:27 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	688984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	959307	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	827496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	447605	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	545251	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
35) Dibromofluoromethane	6.92	113	514547	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.40	98	1124333	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	13.55	95	501312	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	198818	23.452 ug/l	94
3) Chloromethane	1.75	50	145627	21.362 ug/l	100
4) Vinyl Chloride	1.85	62	143113	20.358 ug/l	95
5) Bromomethane	2.14	94	66308	18.687 ug/l	91
6) Chloroethane	2.26	64	70014	20.173 ug/l	92
7) Trichlorofluoromethane	2.53	101	321095	20.407 ug/l	98
8) Diethyl Ether	2.87	74	46775	21.857 ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.14	101	180464	21.267 ug/l	98
10) Methyl Iodide	3.29	142	186340	17.923 ug/l	100
11) Tert butyl alcohol	4.07	59	36724	89.863 ug/l #	88
12) 1,1-Dichloroethene	3.12	96	125132	20.548 ug/l	97
13) Acrolein	3.03	56	13714	104.324 ug/l	97
14) Allyl chloride	3.61	41	200379	21.400 ug/l	91
15) Acrylonitrile	4.19	53	94872	102.160 ug/l	98
16) Acetone	3.22	43	184098	101.123 ug/l	98
17) Carbon Disulfide	3.36	76	341884	19.051 ug/l	97
18) Methyl Acetate	3.64	43	64518	21.564 ug/l	96
19) Methyl tert-butyl Ether	4.23	73	314658	21.186 ug/l	99
20) Methylene Chloride	3.81	84	134546	19.289 ug/l #	92
21) trans-1,2-Dichloroethene	4.21	96	137505	20.585 ug/l	84
22) Diisopropyl ether	5.12	45	396818	20.410 ug/l #	99
23) Vinyl Acetate	5.05	43	1266897	105.035 ug/l	99
24) 1,1-Dichloroethane	4.97	63	262875	21.017 ug/l	100
25) 2-Butanone	6.07	43	177000	99.657 ug/l	97
26) 2,2-Dichloropropane	6.01	77	292238	20.273 ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	146943	20.292 ug/l	95
28) Bromochloromethane	6.43	49	89300	18.678 ug/l	100
29) Tetrahydrofuran	6.45	42	84539	105.697 ug/l	98
30) Chloroform	6.66	83	322153	20.075 ug/l	93
31) Cyclohexane	6.94	56	153508	19.565 ug/l	86
32) 1,1,1-Trichloroethane	6.86	97	347903	21.787 ug/l	99
36) 1,1-Dichloropropene	7.13	75	208367	18.978 ug/l	96
37) Ethyl Acetate	6.18	43	88751	19.704 ug/l #	93
38) Carbon Tetrachloride	7.10	117	334946	19.301 ug/l	94

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	186330	21.001	ug/l	96
40) Benzene	7.45	78	430335	20.070	ug/l	100
41) Methacrylonitrile	6.45	41	112936	19.650	ug/l	98
42) 1,2-Dichloroethane	7.57	62	251528	19.682	ug/l	97
43) Isopropyl Acetate	9.23	43	113456	19.585	ug/l #	95
44) Trichloroethene	8.53	130	156912	18.026	ug/l	90
45) 1,2-Dichloropropane	8.93	63	105487	20.482	ug/l	89
46) Dibromomethane	9.05	93	91955	20.115	ug/l	89
47) Bromodichloromethane	9.37	83	252392	20.295	ug/l #	95
48) Methyl methacrylate	9.11	41	83150	19.868	ug/l	93
49) 1,4-Dioxane	9.08	88	13261	384.848	ug/l	94
51) 4-Methyl-2-Pentanone	10.29	43	404222	99.720	ug/l	94
52) Toluene	10.50	92	289630	20.096	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	208311	20.431	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	219121	20.793	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	96507	19.525	ug/l	94
56) Ethyl methacrylate	11.03	69	108110	20.663	ug/l	96
57) 1,3-Dichloropropane	11.40	76	158205	20.651	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	287488	108.825	ug/l	98
59) 2-Hexanone	11.52	43	317526	105.305	ug/l	95
60) Dibromochloromethane	11.68	129	194891	19.975	ug/l	99
61) 1,2-Dibromoethane	11.80	107	119407	20.185	ug/l	96
64) Tetrachloroethene	11.25	164	157226	20.297	ug/l	95
65) Chlorobenzene	12.39	112	375568	20.519	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	176639	20.234	ug/l	95
67) Ethyl Benzene	12.52	91	642223	19.789	ug/l	96
68) m/p-Xylenes	12.67	106	428424	37.551	ug/l	94
69) o-Xylene	13.05	106	213282	20.355	ug/l	94
70) Styrene	13.07	104	363919	19.465	ug/l	98
71) Bromoform	13.23	173	124981	20.437	ug/l	96
73) Isopropylbenzene	13.40	105	658483	20.872	ug/l	96
74) N-amyl acetate	13.26	43	177182	20.780	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	107385	19.892	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	130610	21.521	ug/l	100
77) Bromobenzene	13.67	156	183162	20.312	ug/l	92
78) n-propylbenzene	13.77	91	792972	20.534	ug/l	99
79) 2-Chlorotoluene	13.84	91	455407	20.140	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	597009	21.411	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	27679	18.075	ug/l #	89
82) 4-Chlorotoluene	13.95	91	572616	21.176	ug/l	97
83) tert-Butylbenzene	14.18	119	662970	21.557	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	586436	21.242	ug/l	98
85) sec-Butylbenzene	14.36	105	674147	20.905	ug/l	95
86) p-Isopropyltoluene	14.49	119	634742	20.216	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	346540	21.214	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	330223	21.390	ug/l	94
89) n-Butylbenzene	14.79	91	608562	21.545	ug/l	96
90) Hexachloroethane	15.00	117	166738	20.116	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	280818	20.680	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25055	21.728	ug/l	85

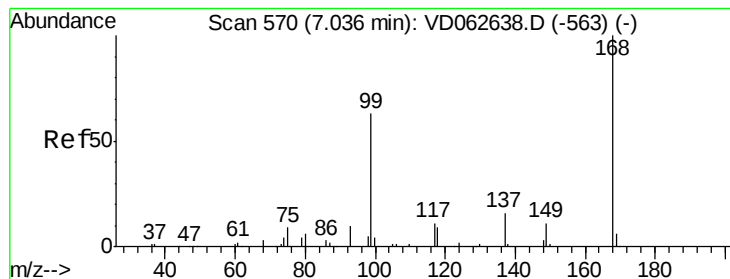
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
Data File : VD062648.D
Acq On : 10 Jun 2019 12:50
Operator : VA/AP
Sample : VD0610SBS01
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	207636	20.307	ug/l	99
94) Hexachlorobutadiene	16.03	225	164521	20.521	ug/l	98
95) Naphthalene	16.12	128	297733	20.517	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	155620	19.896	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: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

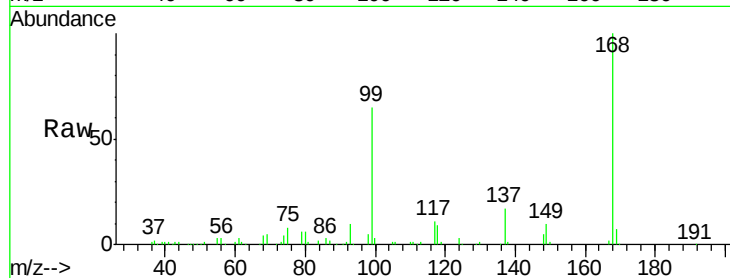
VD0610SBS01

Tgt Ion:168 Resp: 688984

Ion Ratio Lower Upper

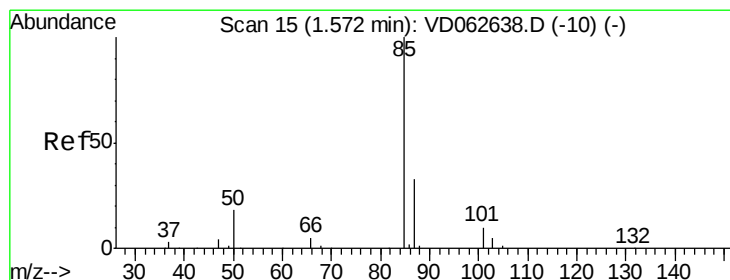
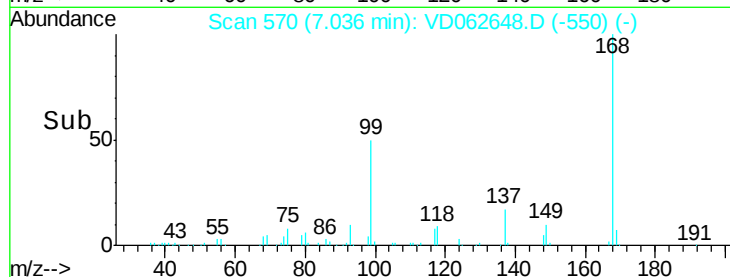
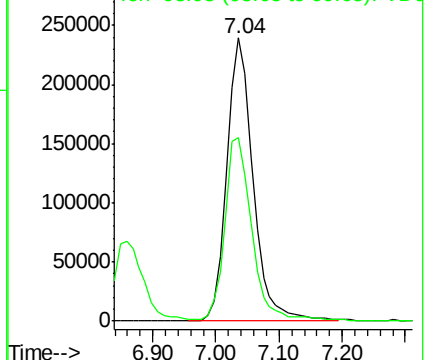
168 100

99 64.7 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: 23.452 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062648.D

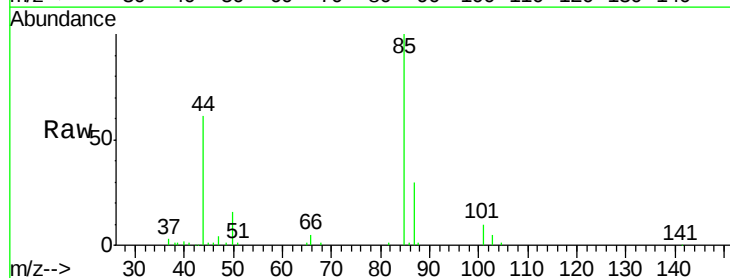
Acq: 10 Jun 2019 12:50

Tgt Ion: 85 Resp: 198818

Ion Ratio Lower Upper

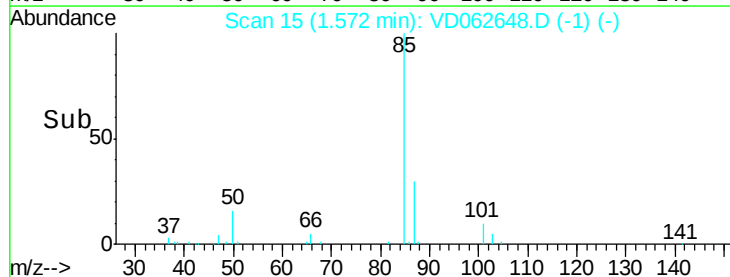
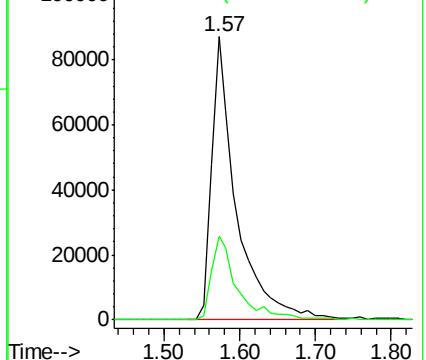
85 100

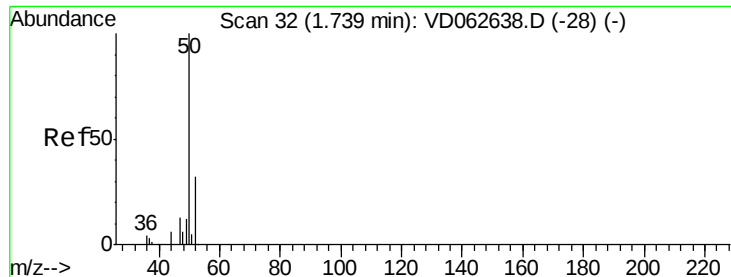
87 29.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.362 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

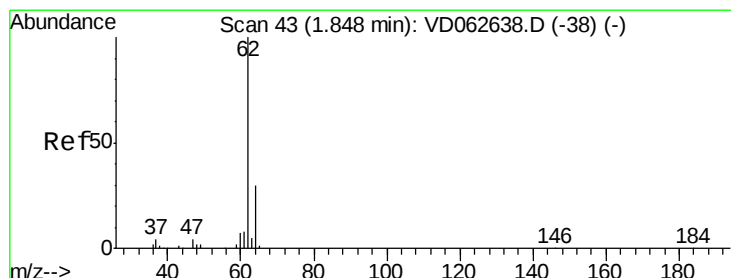
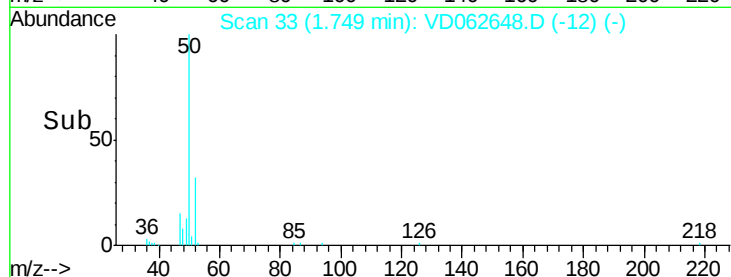
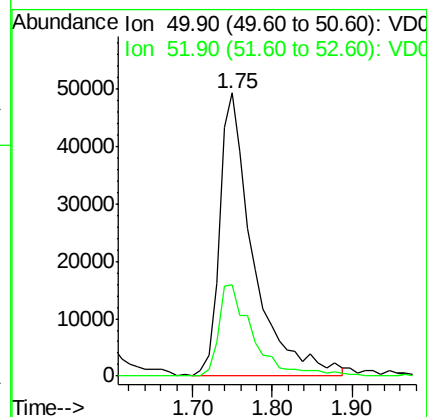
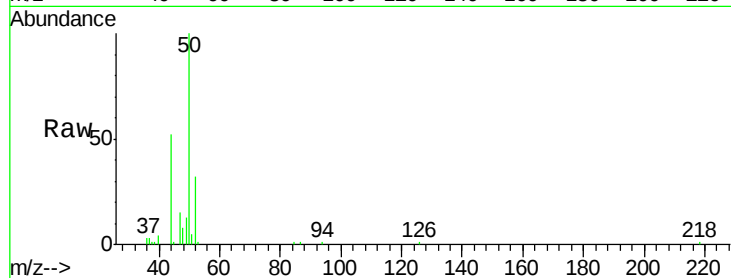
VD0610SBS01

Tgt Ion: 50 Resp: 145627

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.8



#4

Vinyl Chloride

Concen: 20.358 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062648.D

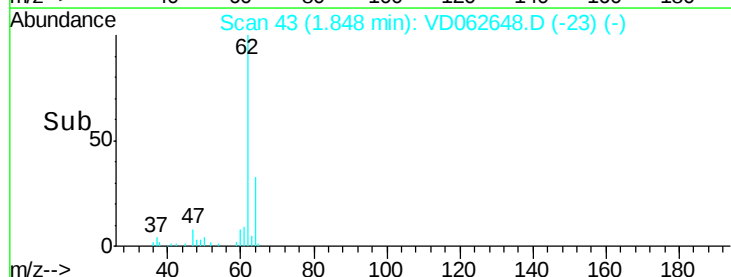
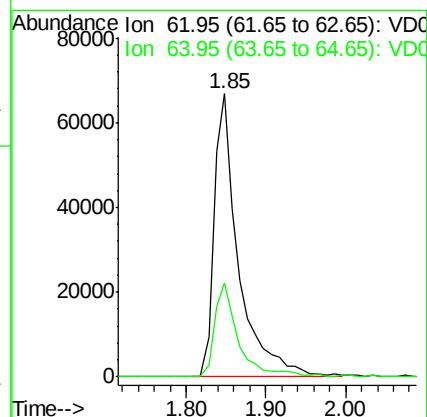
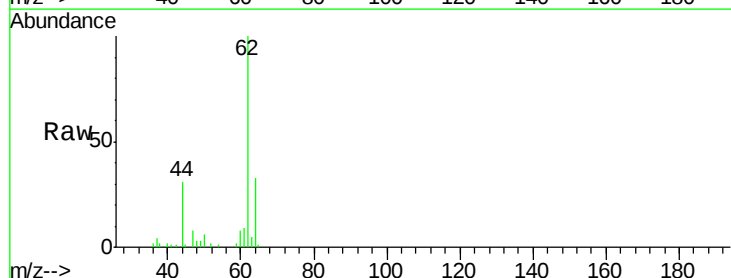
Acq: 10 Jun 2019 12:50

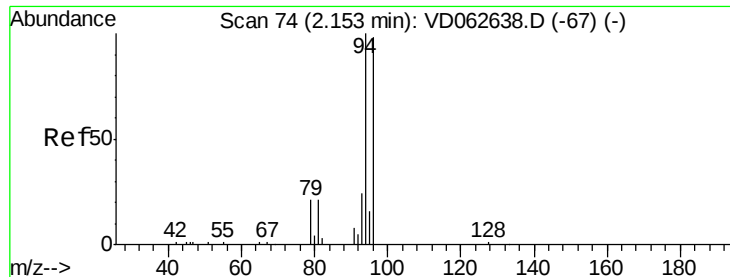
Tgt Ion: 62 Resp: 143113

Ion Ratio Lower Upper

62 100

64 33.2 24.2 36.4





#5

Bromomethane

Concen: 18.687 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

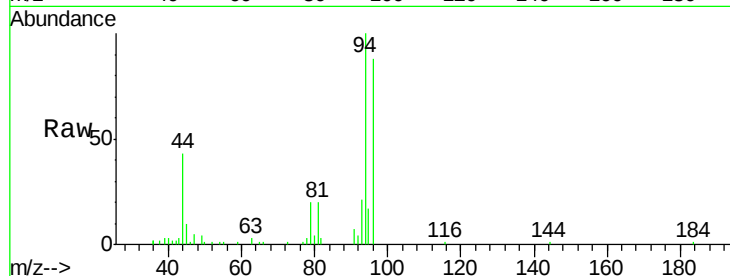
Tgt Ion: 94 Resp: 66308

Ion Ratio Lower Upper

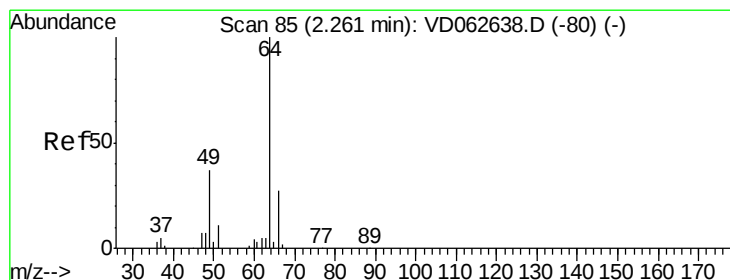
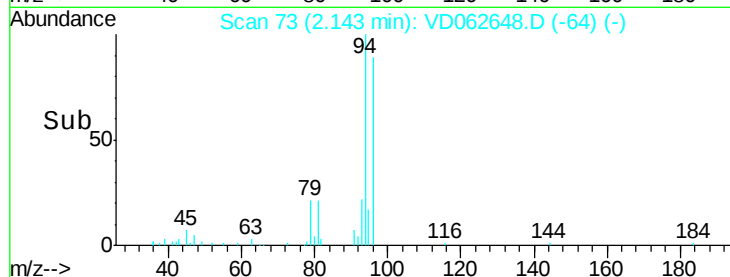
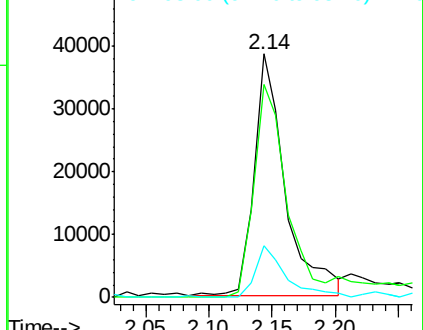
94 100

96 87.6 78.1 117.1

93 21.2 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: 20.173 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062648.D

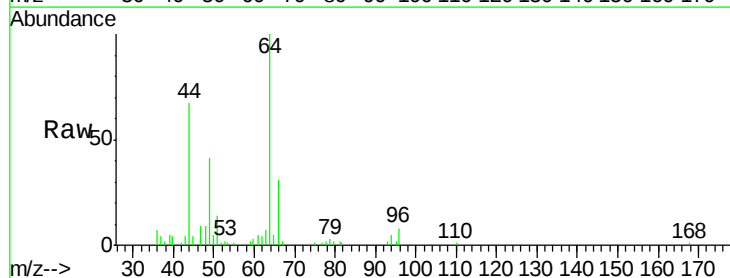
Acq: 10 Jun 2019 12:50

Tgt Ion: 64 Resp: 70014

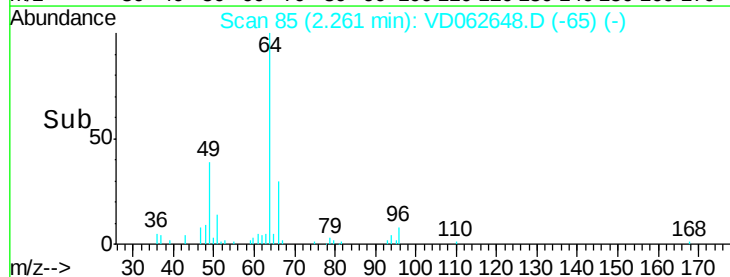
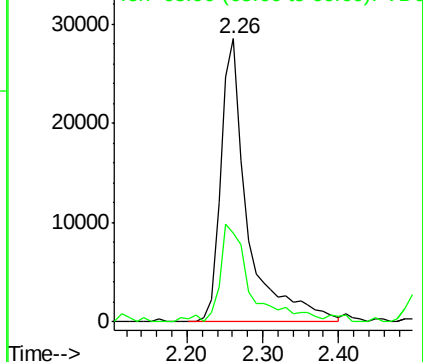
Ion Ratio Lower Upper

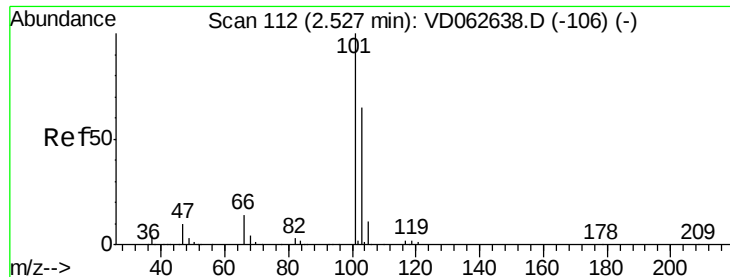
64 100

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



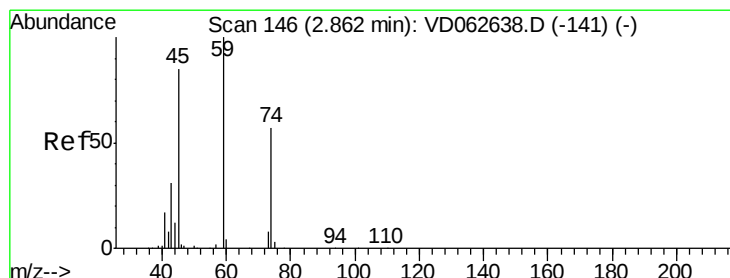
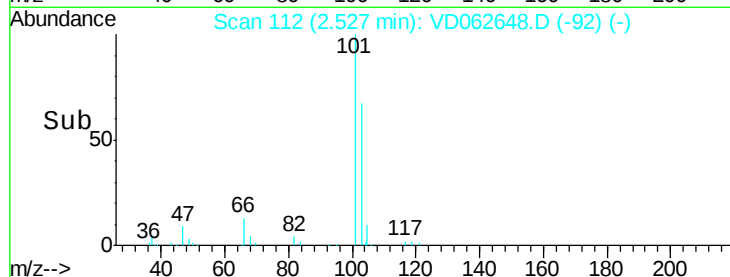
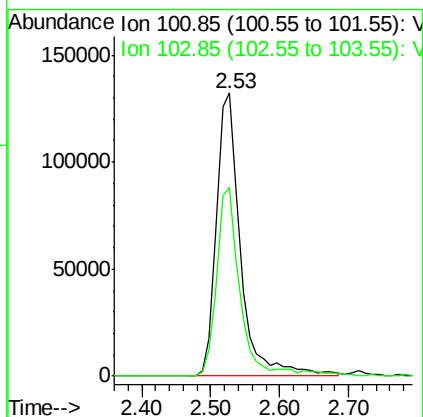
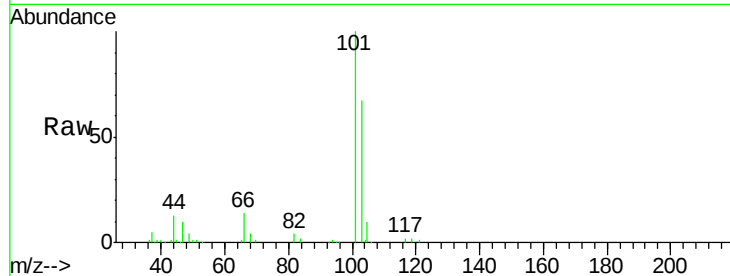


#7

Trichlorofluoromethane
 Concen: 20.407 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

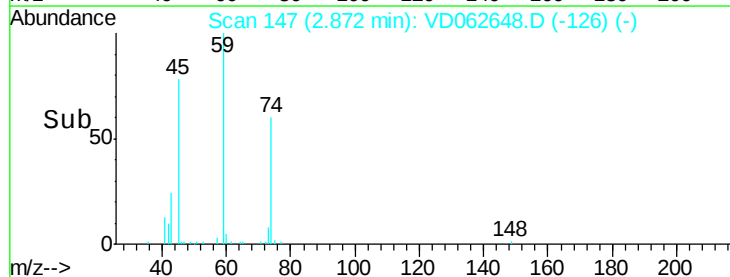
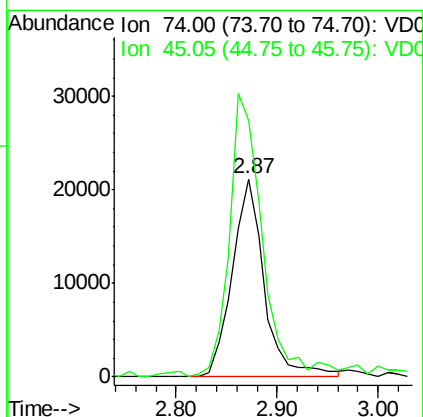
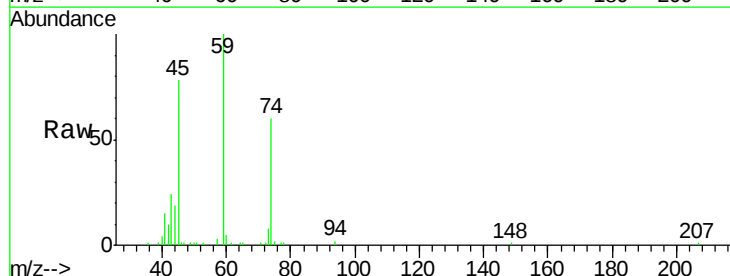
Tgt Ion:101 Resp: 321095
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.2 78.2

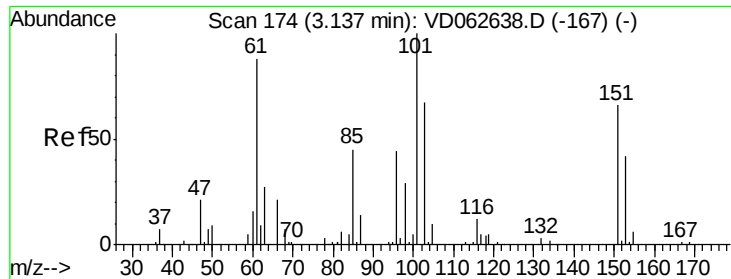


#8

Diethyl Ether
 Concen: 21.857 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 74 Resp: 46775
 Ion Ratio Lower Upper
 74 100
 45 129.6 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.267 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

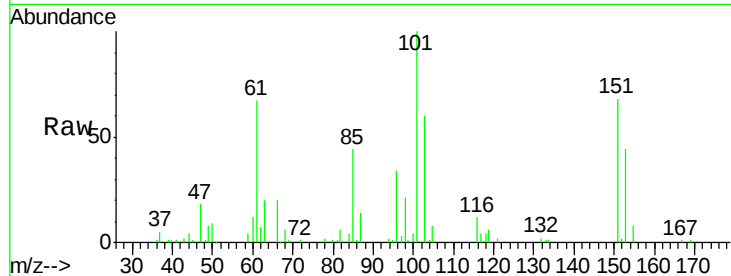
Tgt Ion:101 Resp: 180464

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

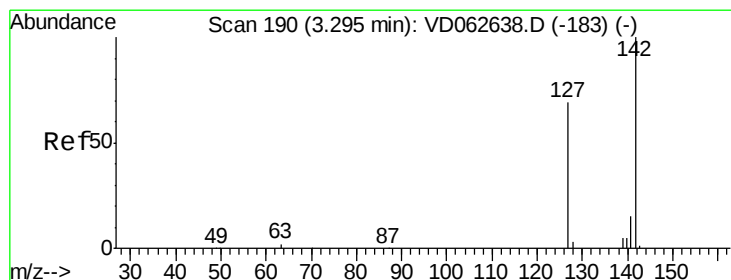
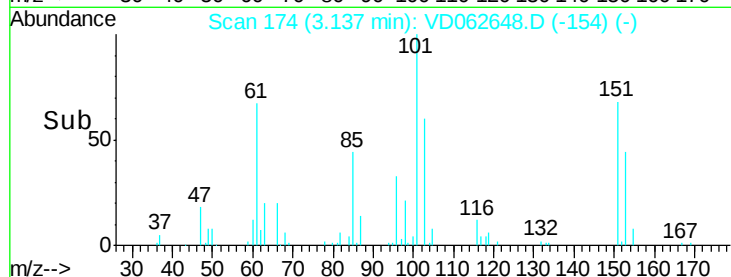
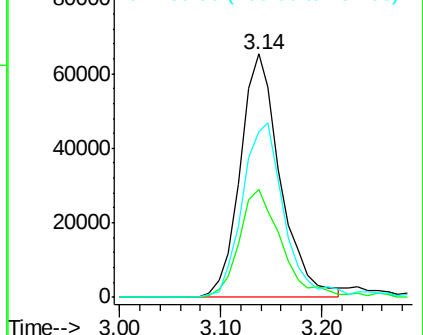
151 68.1 52.6 79.0



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: 17.923 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

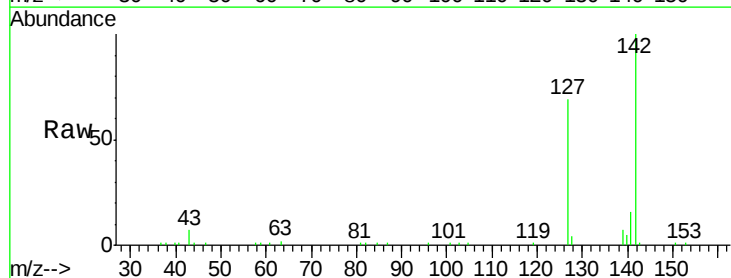
Tgt Ion:142 Resp: 186340

Ion Ratio Lower Upper

142 100

127 68.7 55.2 82.8

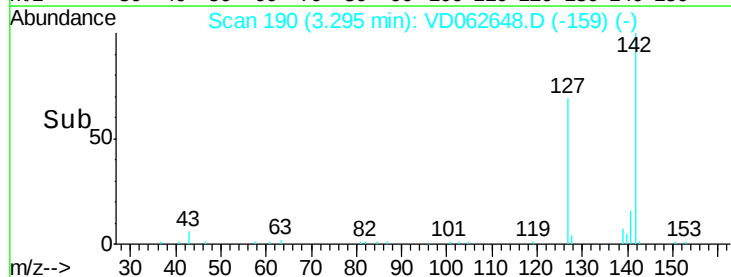
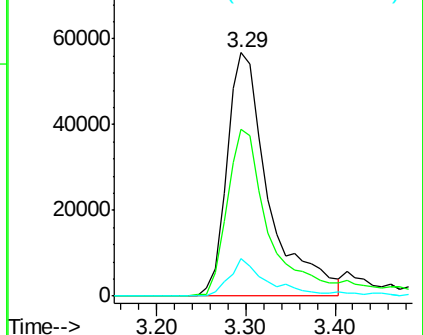
141 15.6 12.1 18.1

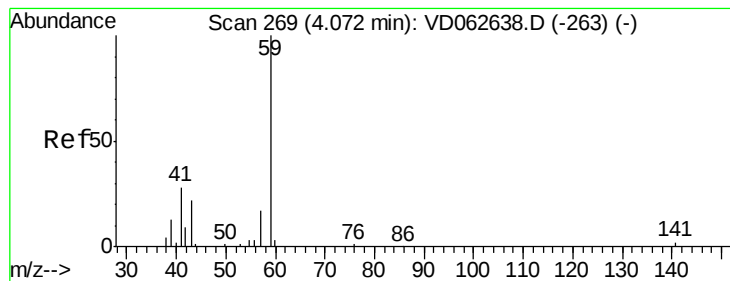


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



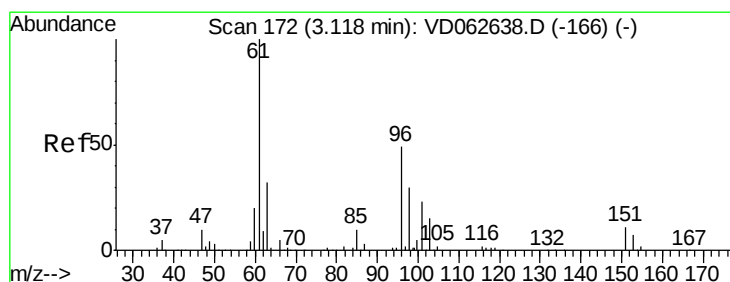
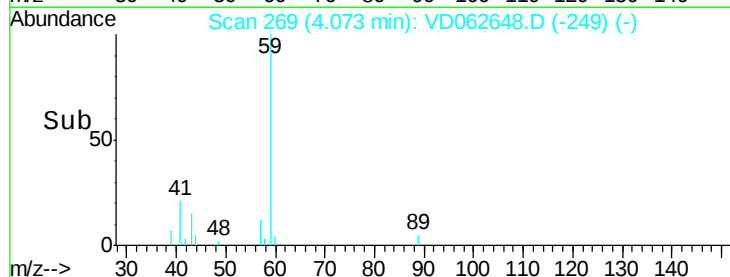
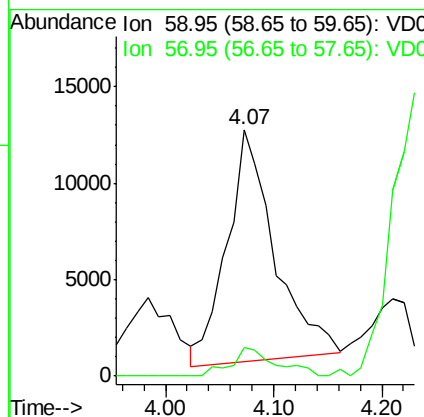
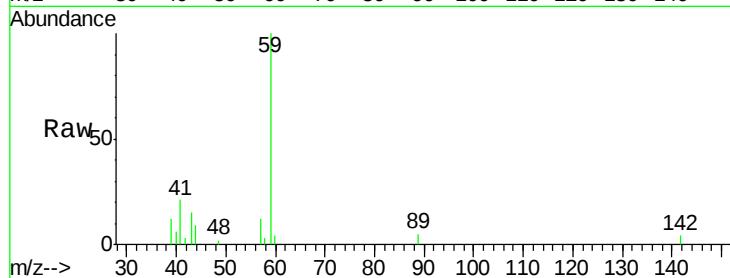


#11

Tert butyl alcohol
 Concen: 89.863 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

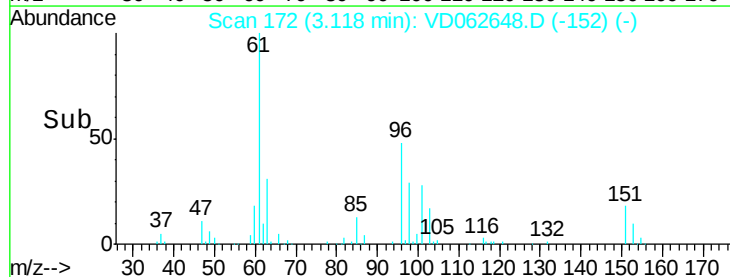
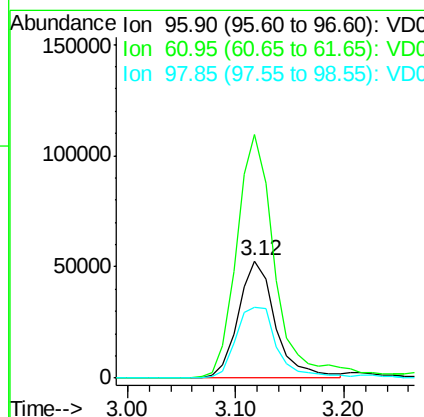
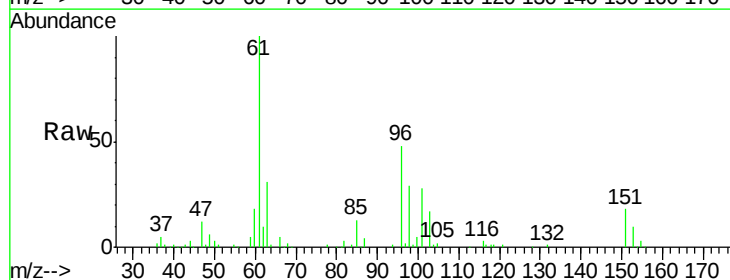
Tgt Ion: 59 Resp: 36724
 Ion Ratio Lower Upper
 59 100
 57 11.8 13.7 20.5#

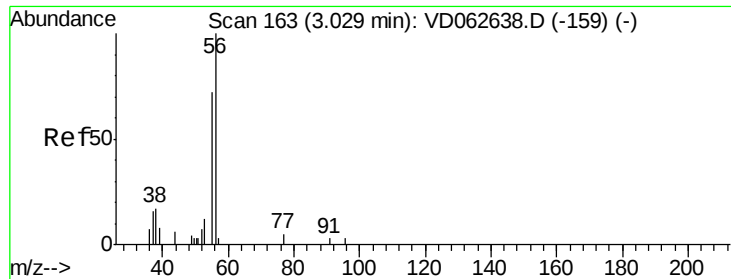


#12

1,1-Dichloroethene
 Concen: 20.548 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 96 Resp: 125132
 Ion Ratio Lower Upper
 96 100
 61 208.3 161.8 242.8
 98 60.4 48.2 72.4





#13

Acrolein

Concen: 104.324 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

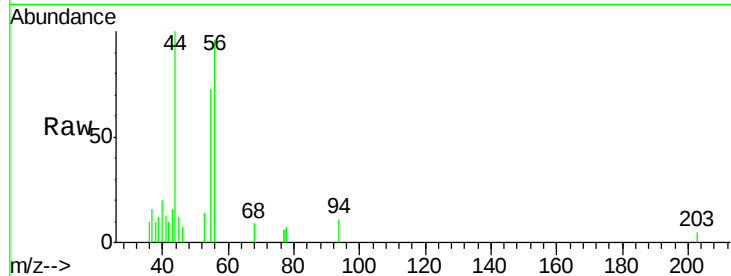
VD0610SBS01

Tgt Ion: 56 Resp: 13714

Ion Ratio Lower Upper

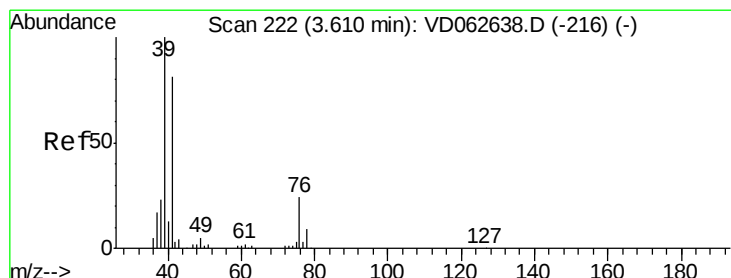
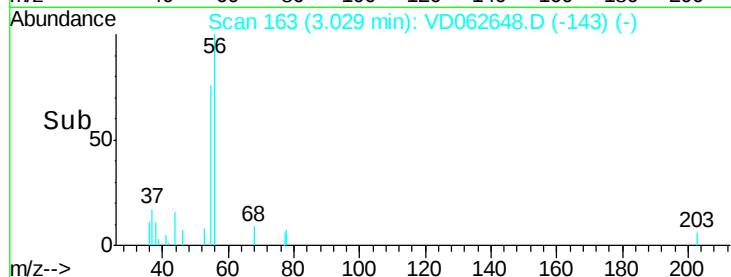
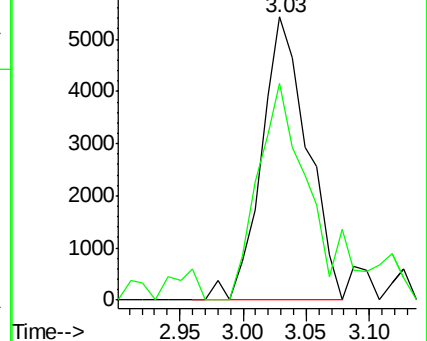
56 100

55 76.4 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.400 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

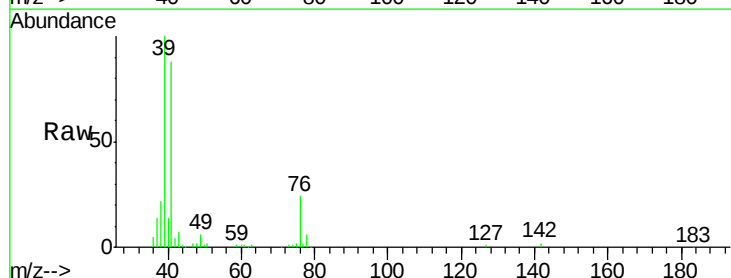
Tgt Ion: 41 Resp: 200379

Ion Ratio Lower Upper

41 100

39 113.9 99.1 148.7

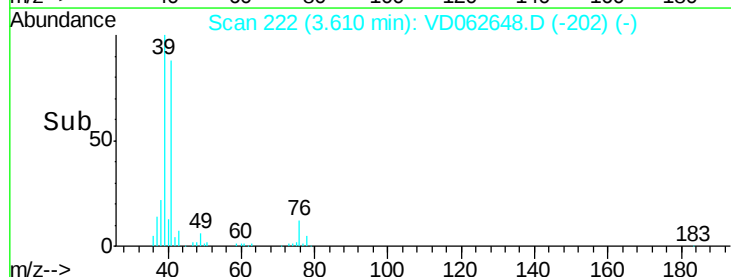
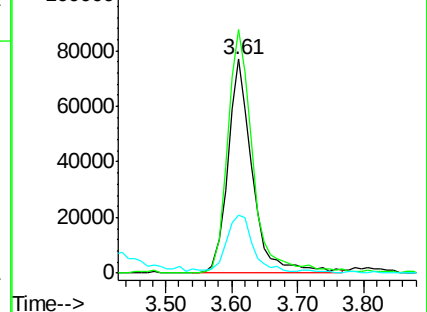
76 27.1 25.0 37.6

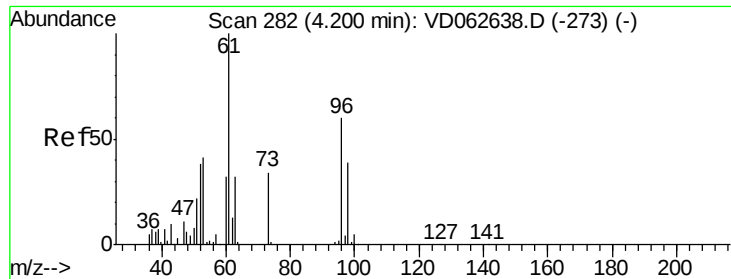


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.160 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

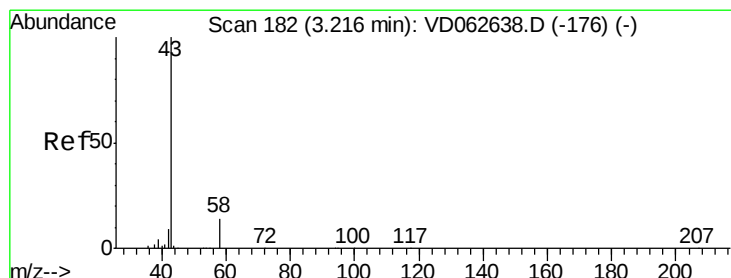
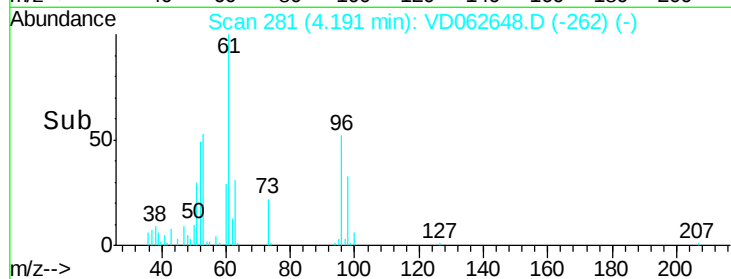
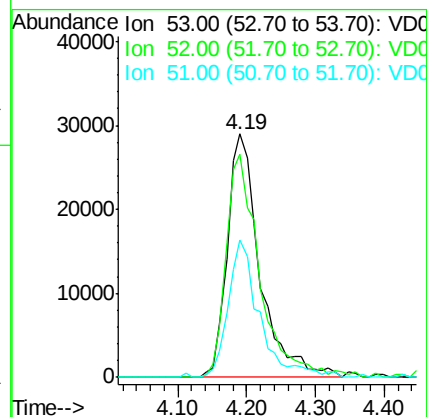
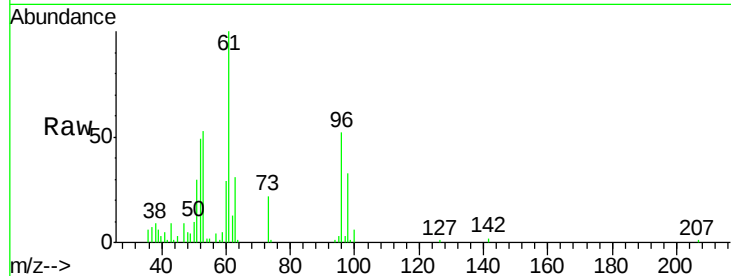
Tgt Ion: 53 Resp: 94872

Ion Ratio Lower Upper

53 100

52 91.8 73.6 110.4

51 56.7 42.0 63.0



#16

Acetone

Concen: 101.123 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062648.D

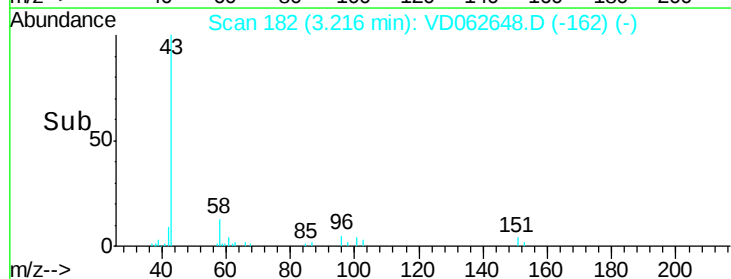
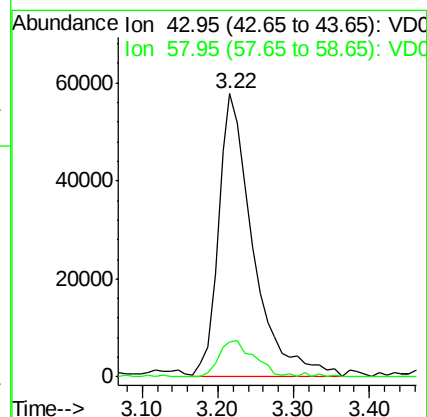
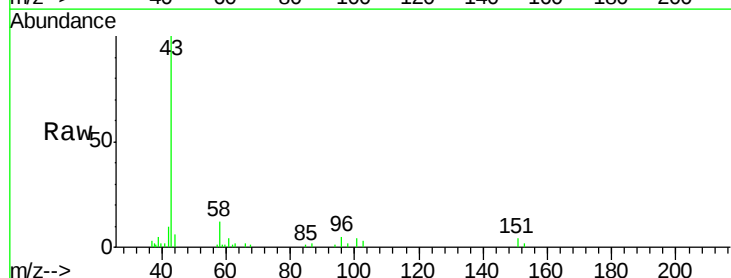
Acq: 10 Jun 2019 12:50

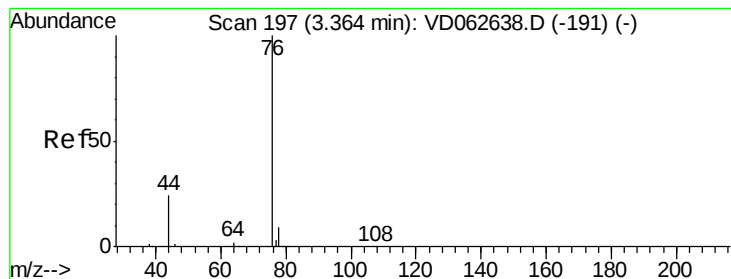
Tgt Ion: 43 Resp: 184098

Ion Ratio Lower Upper

43 100

58 12.5 10.8 16.2





#17

Carbon Disulfide

Concen: 19.051 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

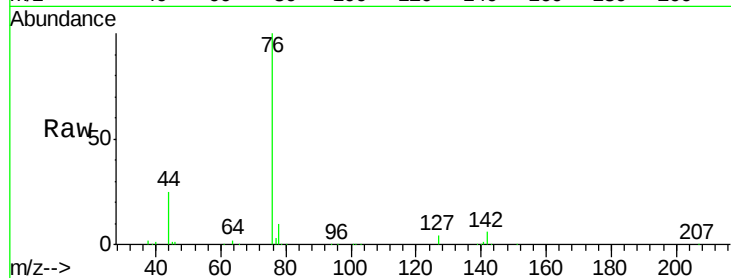
VD0610SBS01

Tgt Ion: 76 Resp: 341884

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

150000

100000

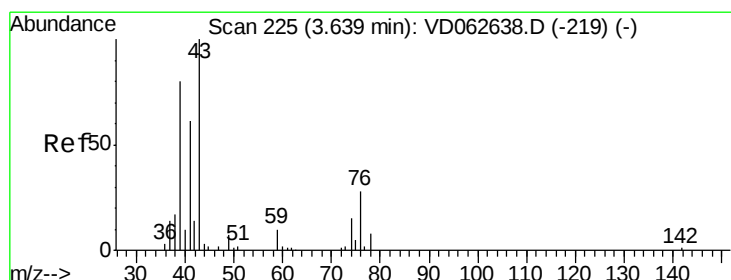
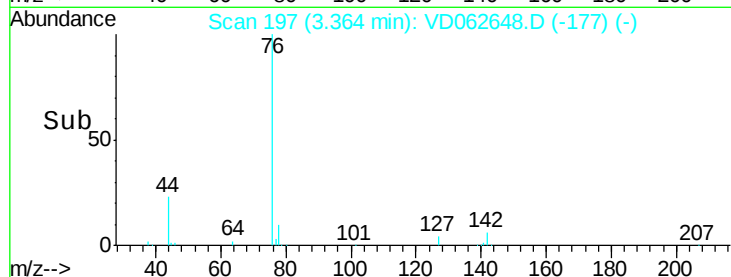
50000

0

3.36

3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 21.564 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062648.D

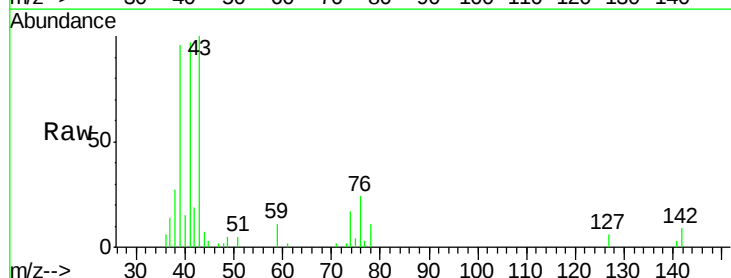
Acq: 10 Jun 2019 12:50

Tgt Ion: 43 Resp: 64518

Ion Ratio Lower Upper

43 100

74 16.9 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

15000

10000

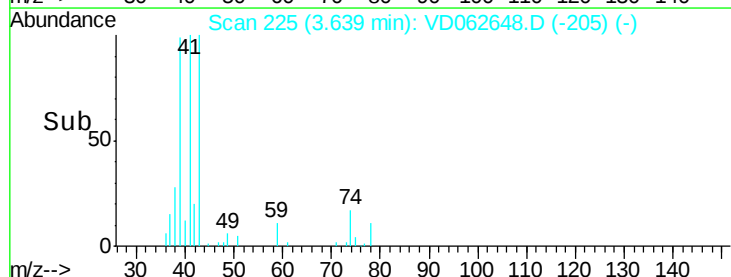
5000

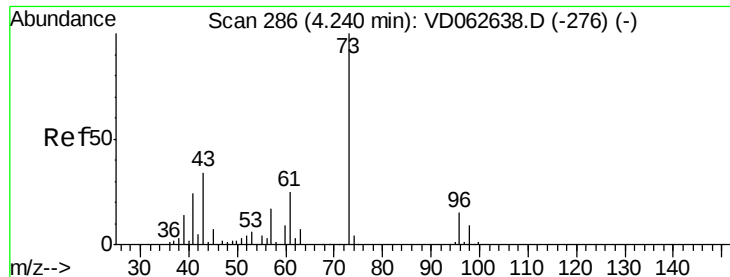
0

3.64

3.60 3.70

Time-->

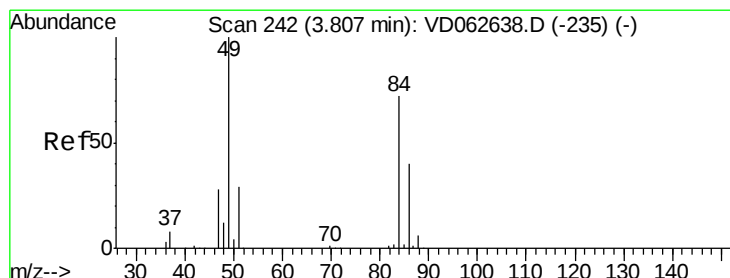
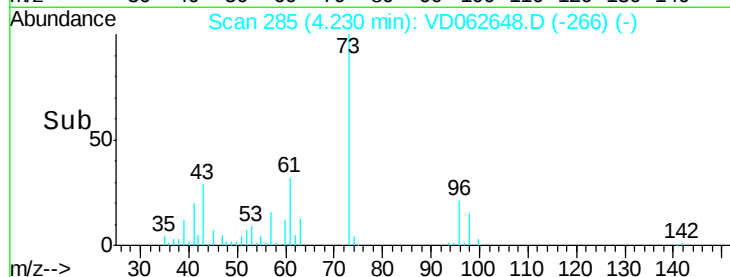
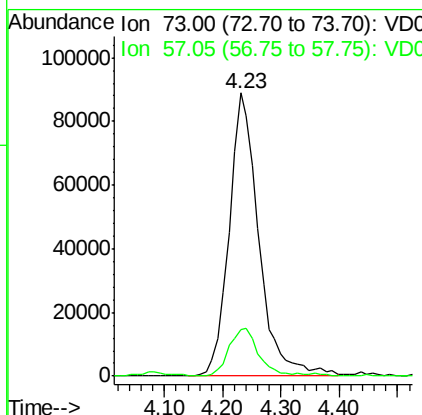
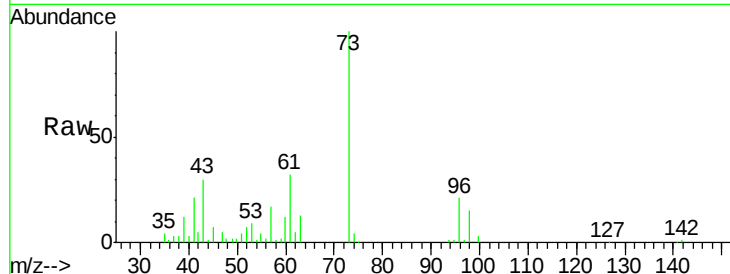




#19
Methyl tert-butyl Ether
Concen: 21.186 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

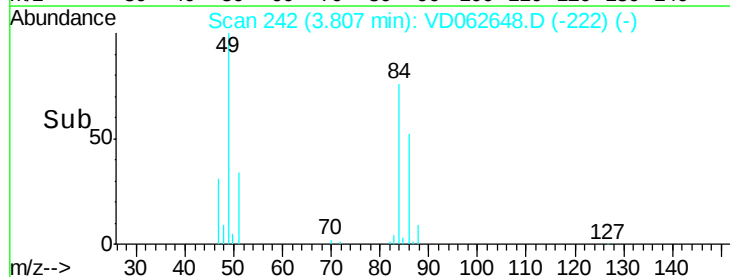
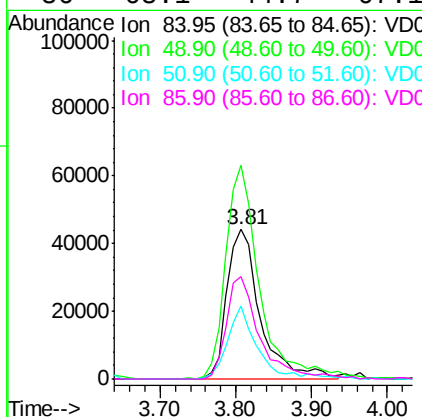
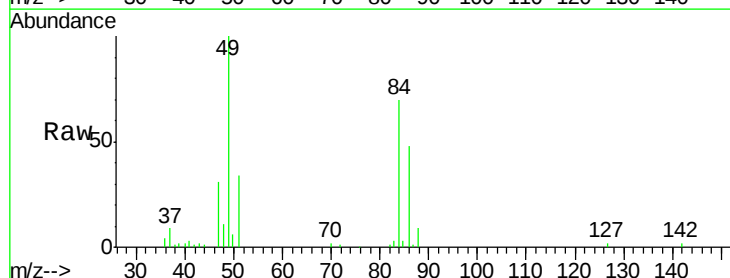
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

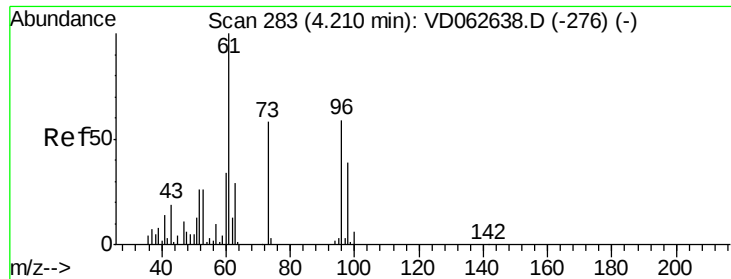
Tgt Ion: 73 Resp: 314658
Ion Ratio Lower Upper
73 100
57 16.5 13.5 20.3



#20
Methylene Chloride
Concen: 19.289 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion: 84 Resp: 134546
Ion Ratio Lower Upper
84 100
49 142.9 111.2 166.8
51 48.5 31.9 47.9#
86 68.1 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 20.585 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

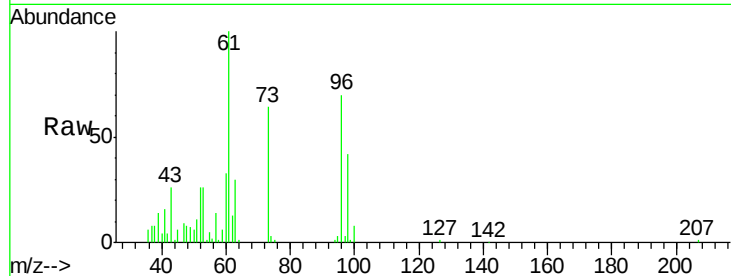
Tgt Ion: 96 Resp: 137505

Ion Ratio Lower Upper

96 100

61 142.0 134.6 201.8

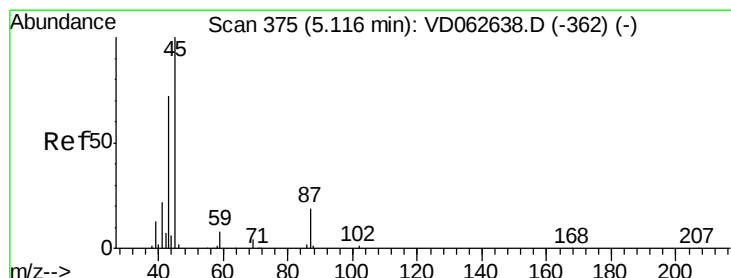
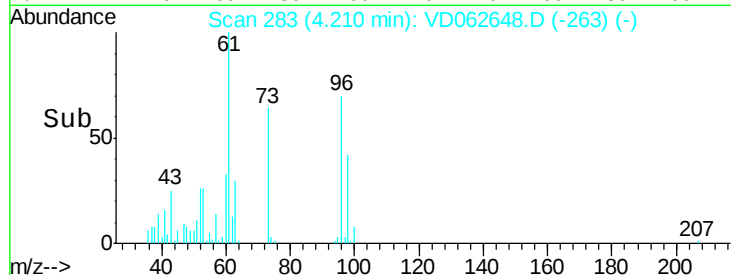
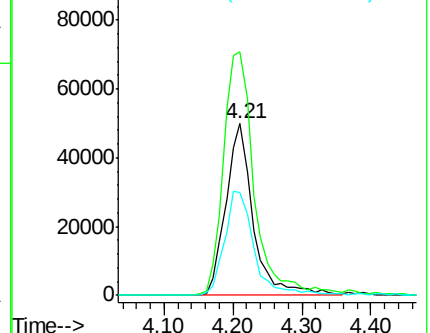
98 59.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.410 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Tgt Ion: 45 Resp: 396818

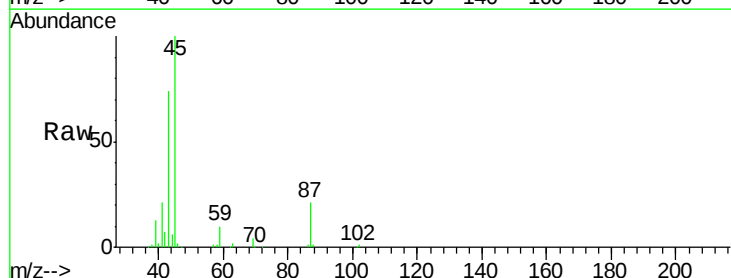
Ion Ratio Lower Upper

45 100

43 73.5 58.8 88.2

87 21.3 15.7 23.5

59 10.4 6.6 9.8#

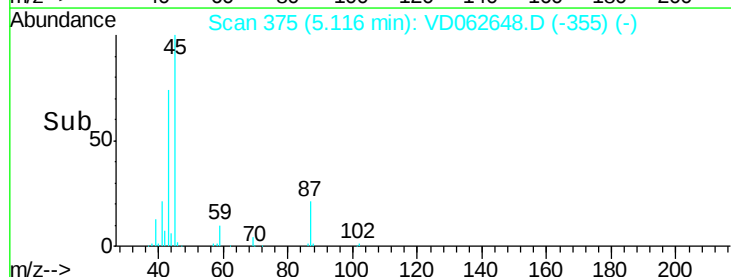
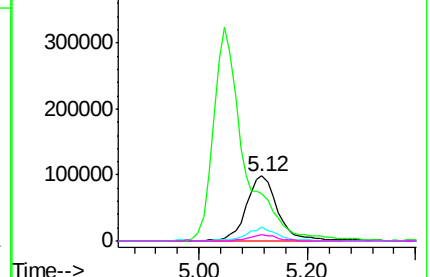


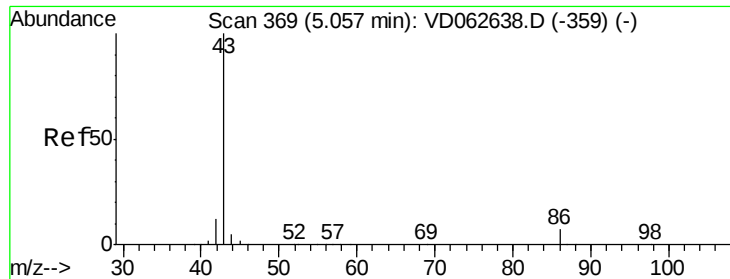
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 105.035 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

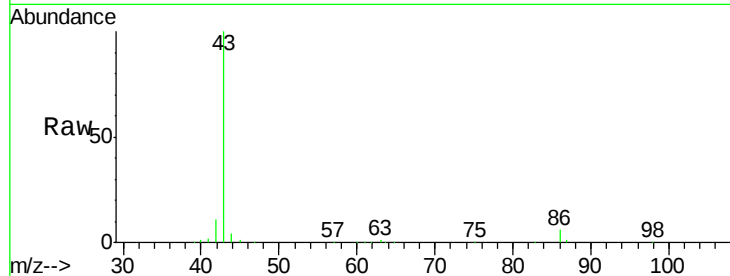
VD0610SBS01

Tgt Ion: 43 Resp: 1266897

Ion Ratio Lower Upper

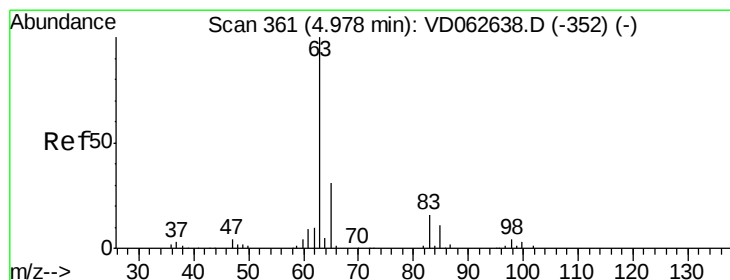
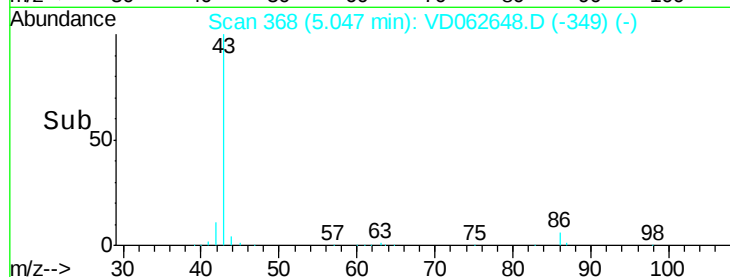
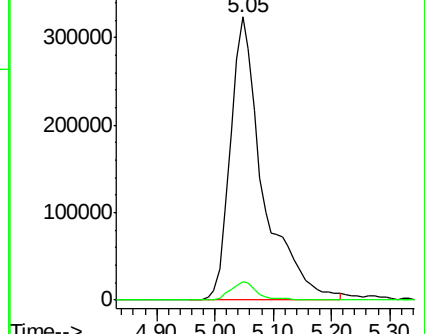
43 100

86 6.3 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.017 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

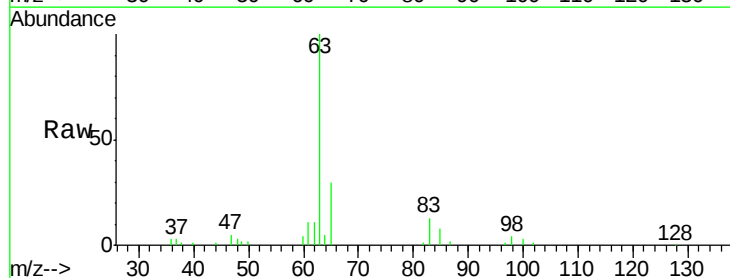
Tgt Ion: 63 Resp: 262875

Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

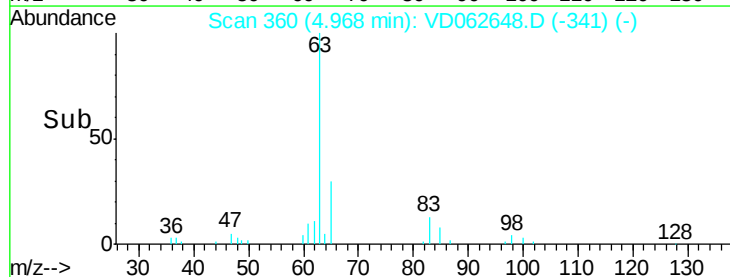
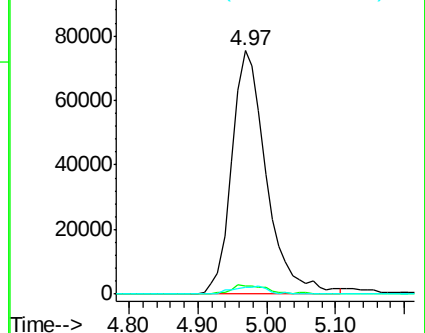
100 2.8 1.5 4.4

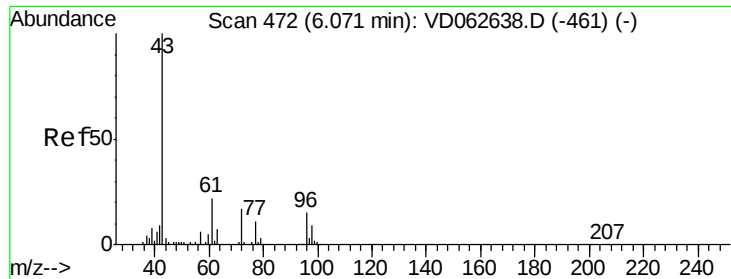


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 99.657 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

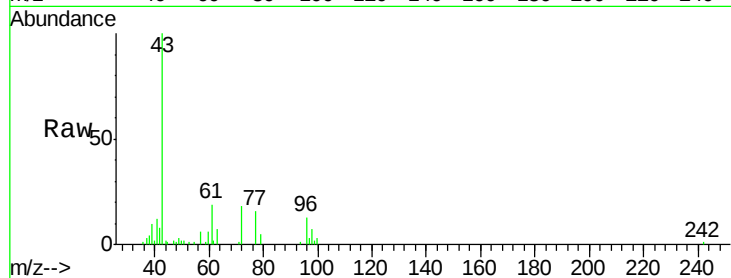
VD0610SBS01

Tgt Ion: 43 Resp: 177000

Ion Ratio Lower Upper

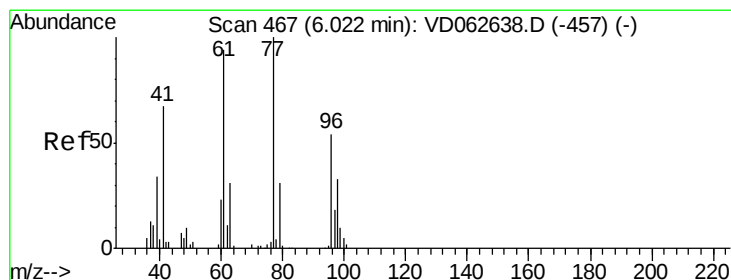
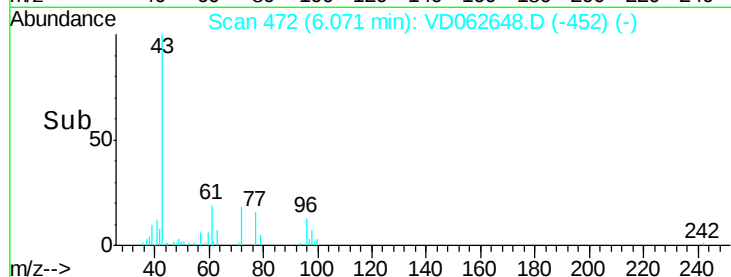
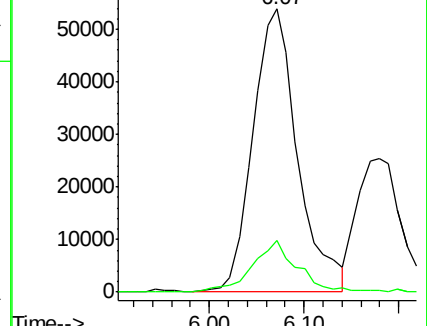
43 100

72 18.1 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: 20.273 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062648.D

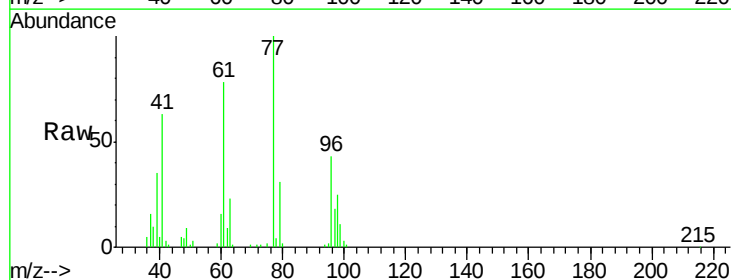
Acq: 10 Jun 2019 12:50

Tgt Ion: 77 Resp: 292238

Ion Ratio Lower Upper

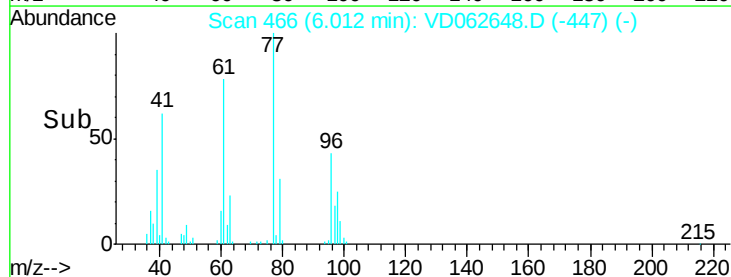
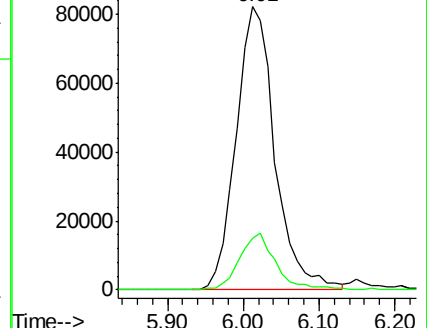
77 100

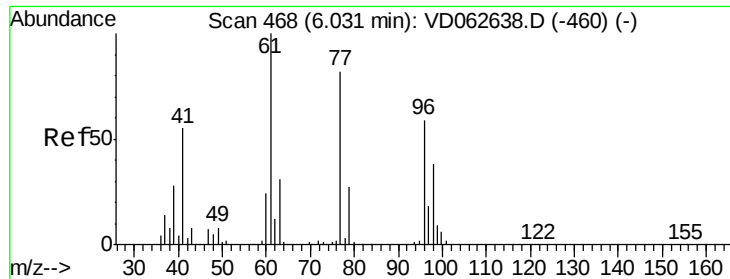
97 18.2 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

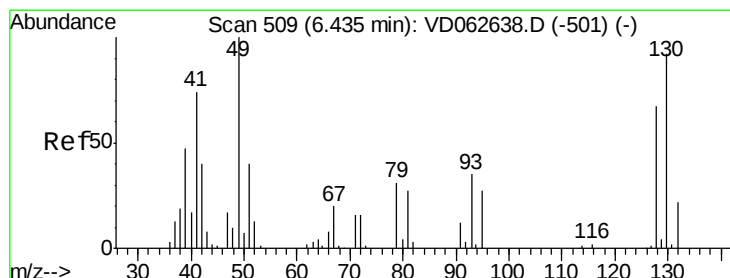
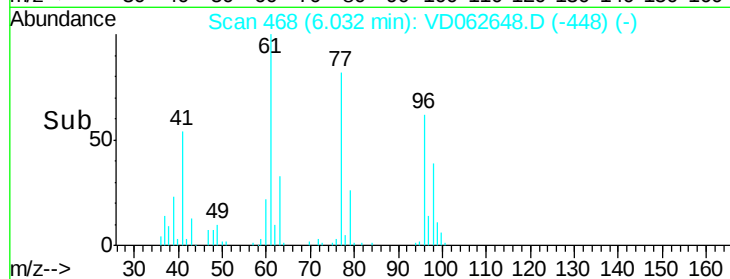
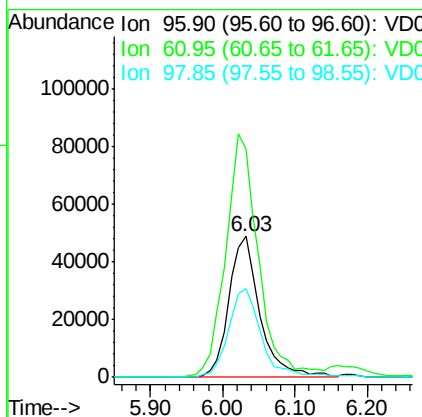
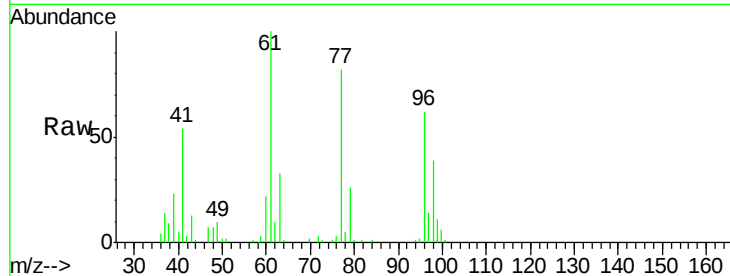




#27
 cis-1,2-Dichloroethene
 Concen: 20.292 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

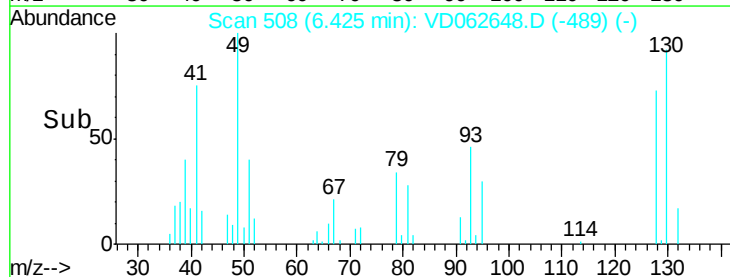
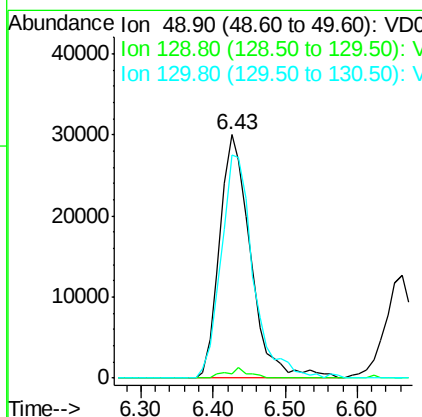
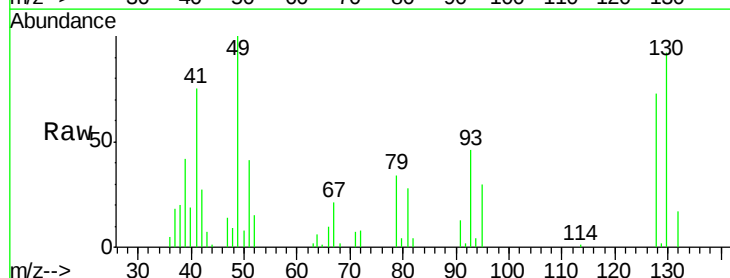
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

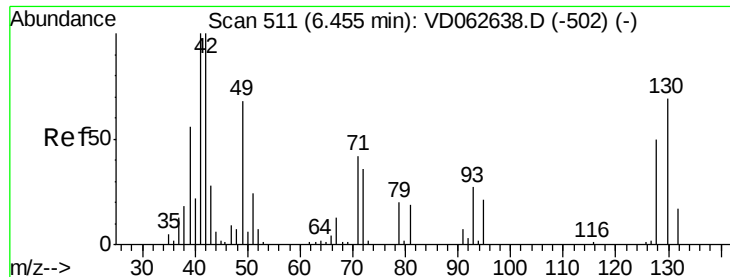
Tgt Ion: 96 Resp: 146943
 Ion Ratio Lower Upper
 96 100
 61 161.6 0.0 340.0
 98 62.5 0.0 127.6



#28
 Bromochloromethane
 Concen: 18.678 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 49 Resp: 89300
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 8.2
 130 91.8 73.4 110.0





#29

Tetrahydrofuran

Concen: 105.697 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

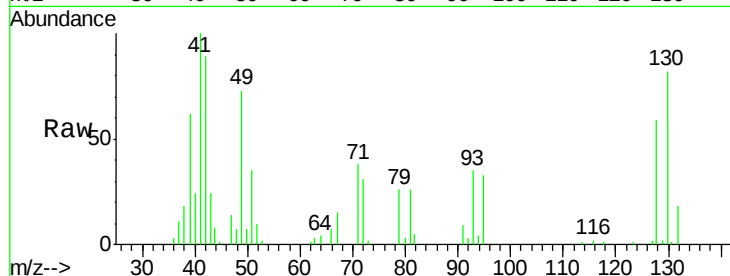
Tgt Ion: 42 Resp: 84539

Ion Ratio Lower Upper

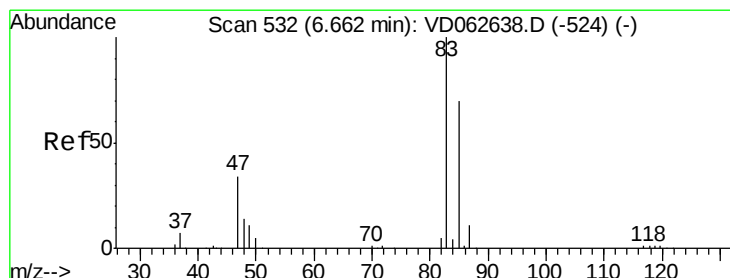
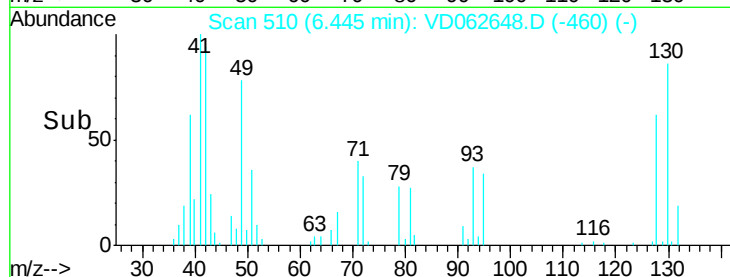
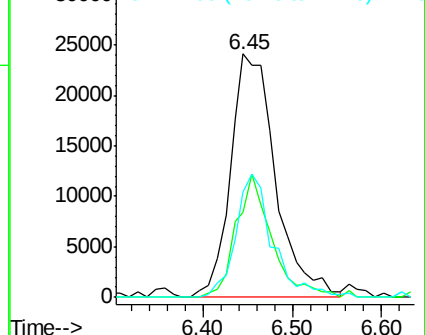
42 100

72 40.1 33.8 50.6

71 41.9 34.2 51.4



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



#30

Chloroform

Concen: 20.075 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD062648.D

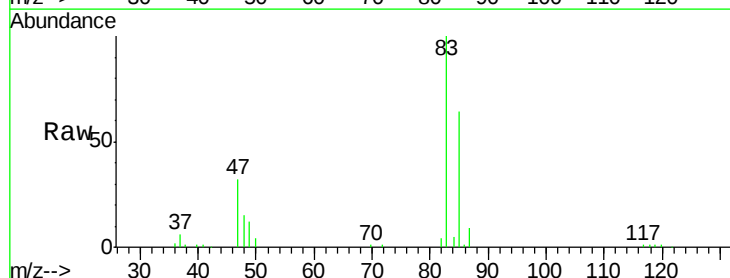
Acq: 10 Jun 2019 12:50

Tgt Ion: 83 Resp: 322153

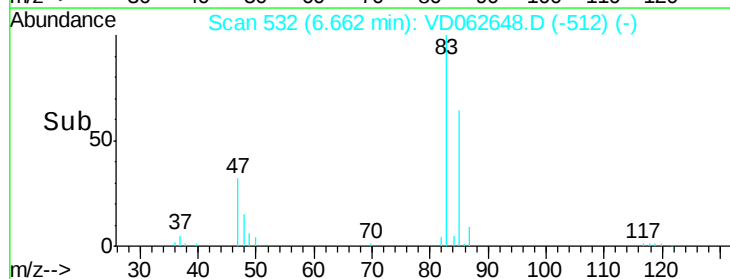
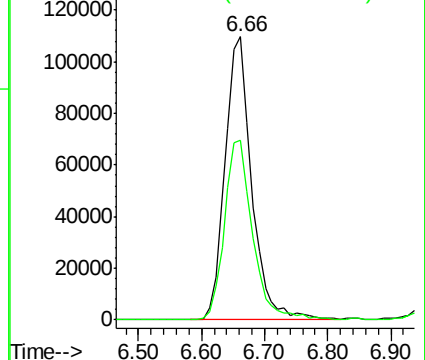
Ion Ratio Lower Upper

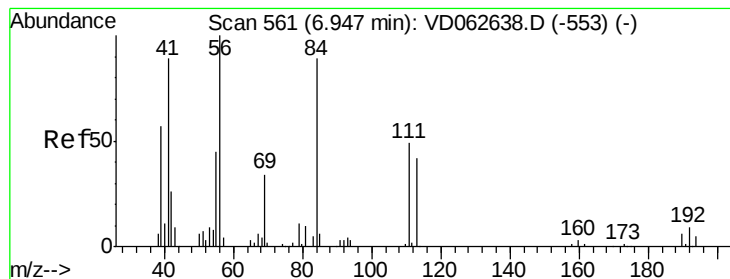
83 100

85 63.6 55.8 83.6



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





#31

Cyclohexane

Concen: 19.565 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

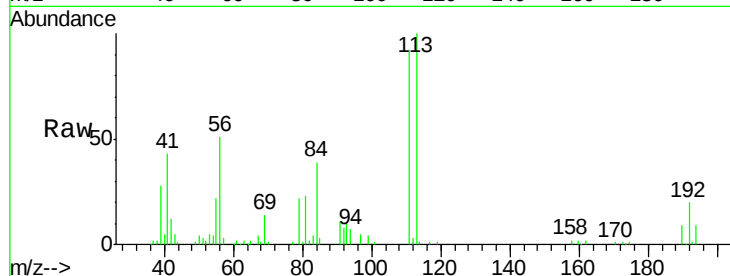
Tgt Ion: 56 Resp: 153508

Ion Ratio Lower Upper

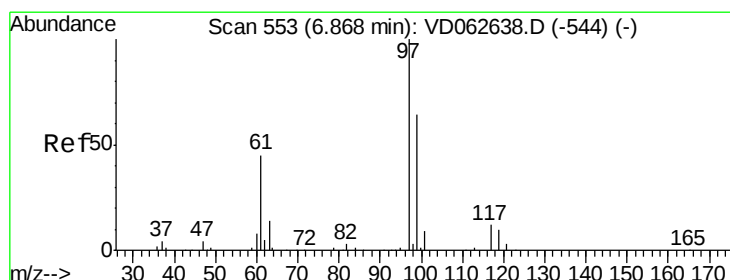
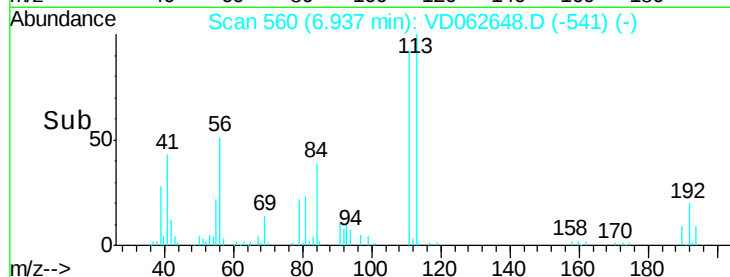
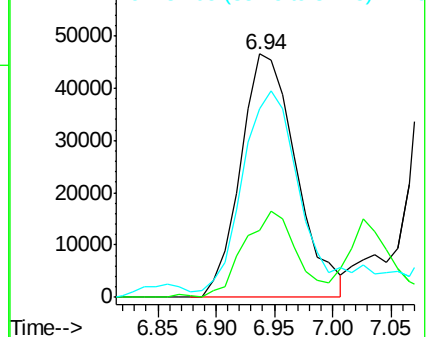
56 100

69 27.7 26.8 40.2

84 77.5 73.9 110.9



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



#32

1,1,1-Trichloroethane

Concen: 21.787 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

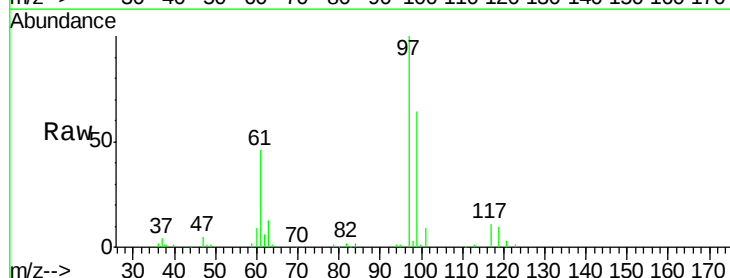
Tgt Ion: 97 Resp: 347903

Ion Ratio Lower Upper

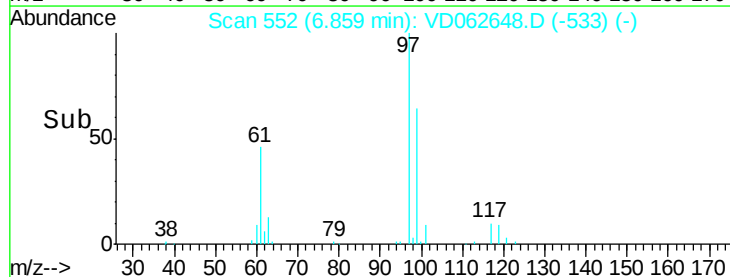
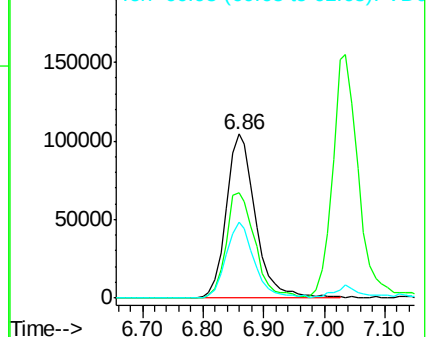
97 100

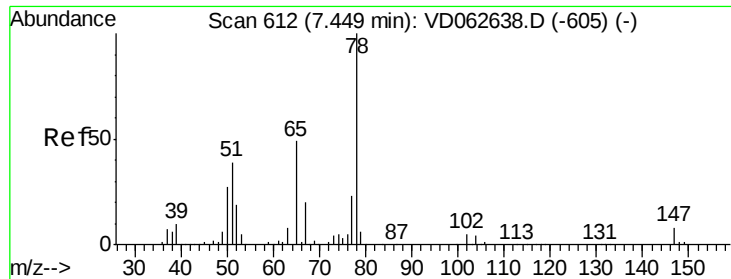
99 64.4 51.4 77.0

61 46.3 35.6 53.4



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





#33

1,2-Dichloroethane-d4

Concen: 54.843 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

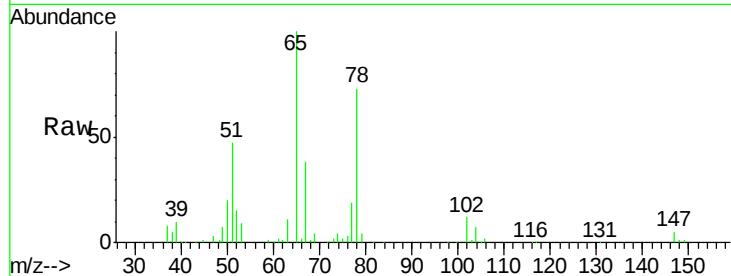
VD0610SBS01

Tgt Ion: 65 Resp: 545251

Ion Ratio Lower Upper

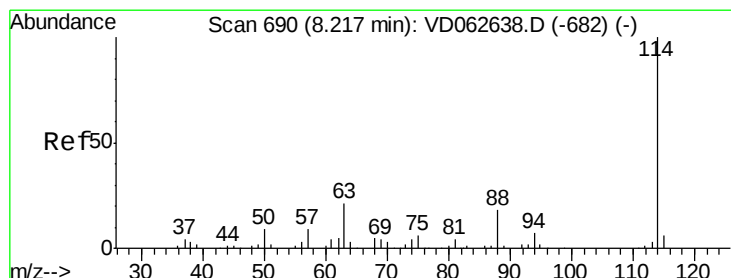
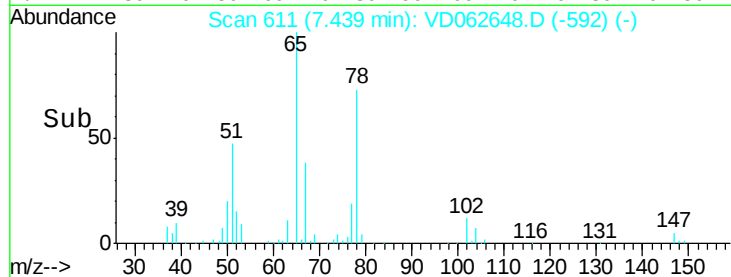
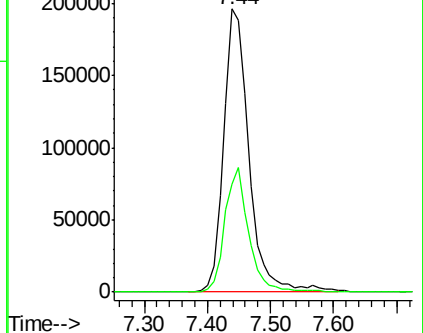
65 100

67 38.3 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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

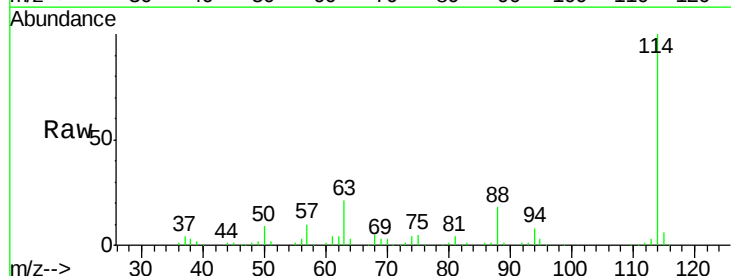
Tgt Ion: 114 Resp: 959307

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

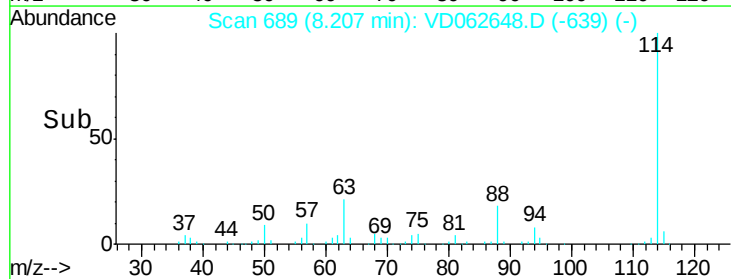
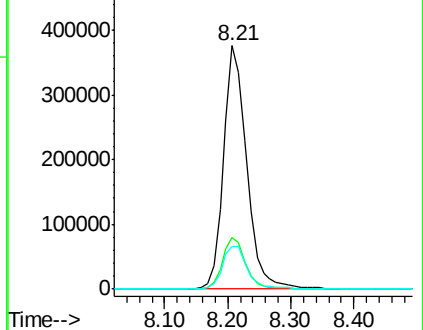
88 17.8 0.0 36.8

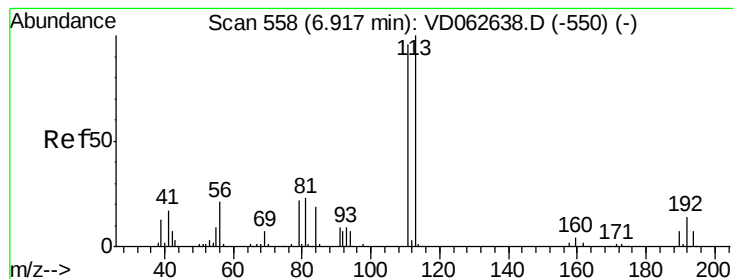


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.859 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

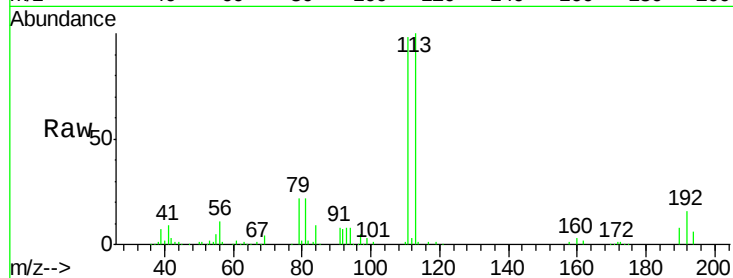
Tgt Ion:113 Resp: 514547

Ion Ratio Lower Upper

113 100

111 98.2 76.4 114.6

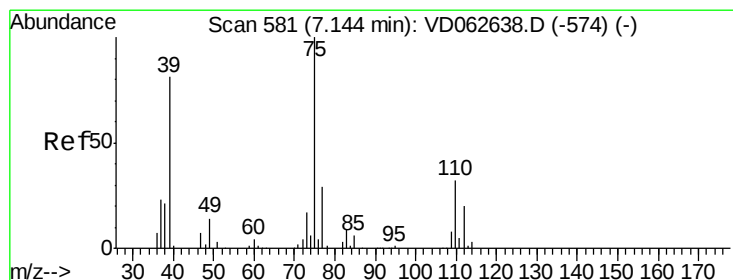
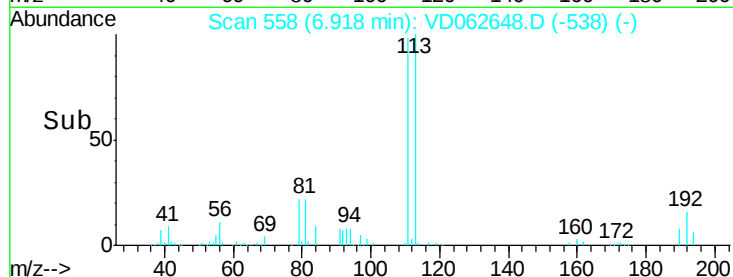
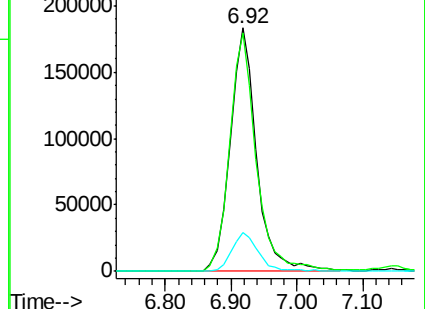
192 16.0 11.4 17.0



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: 18.978 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

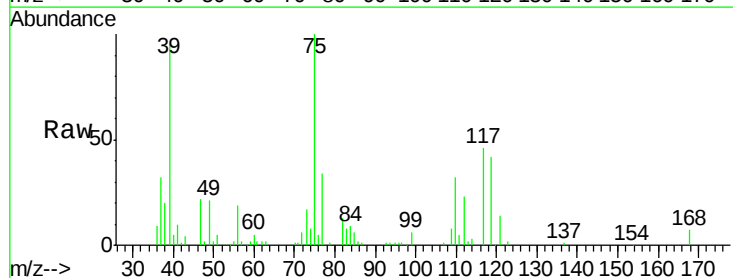
Tgt Ion: 75 Resp: 208367

Ion Ratio Lower Upper

75 100

110 31.9 15.9 47.7

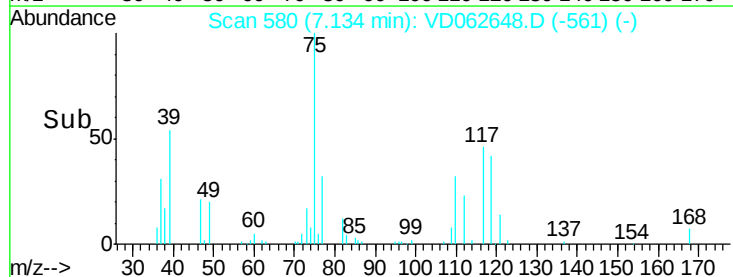
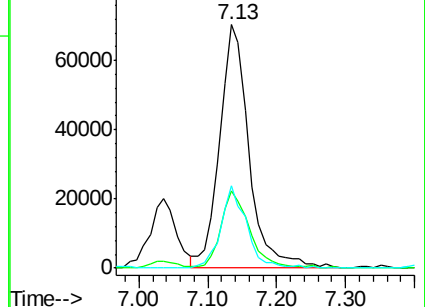
77 33.8 23.3 34.9

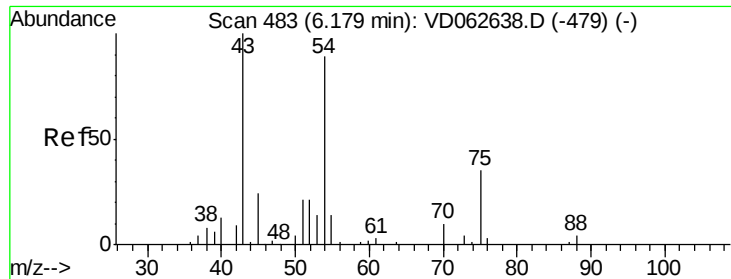


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

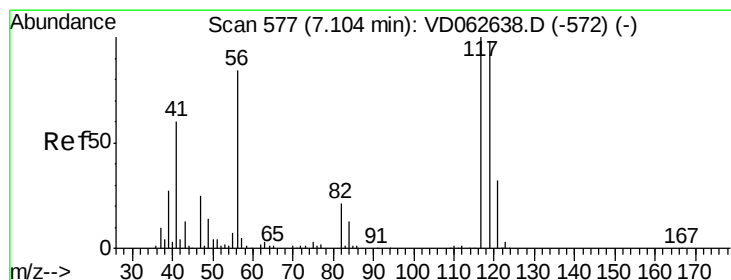
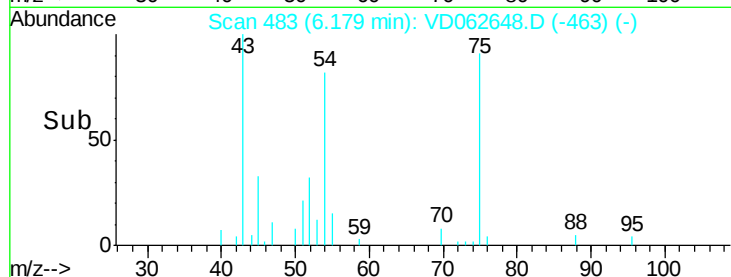
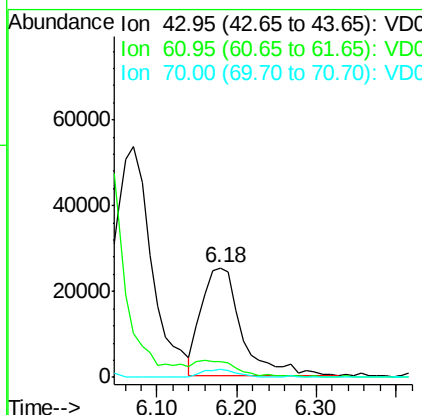
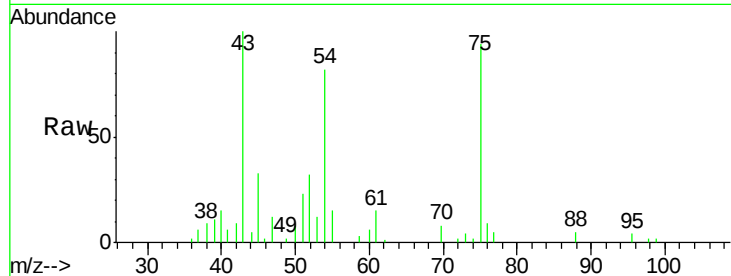




#37
 Ethyl Acetate
 Concen: 19.704 ug/l
 RT: 6.18 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

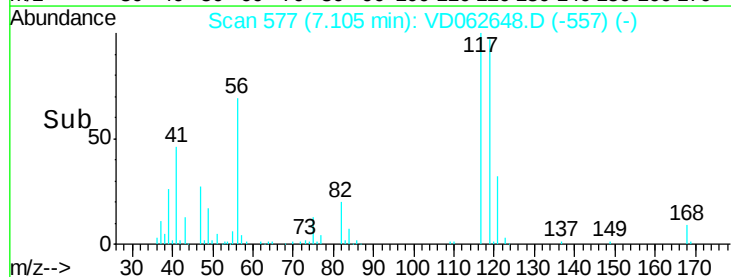
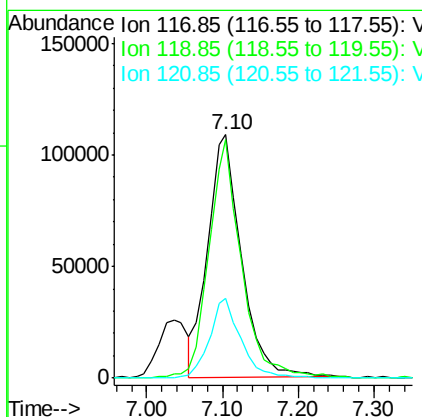
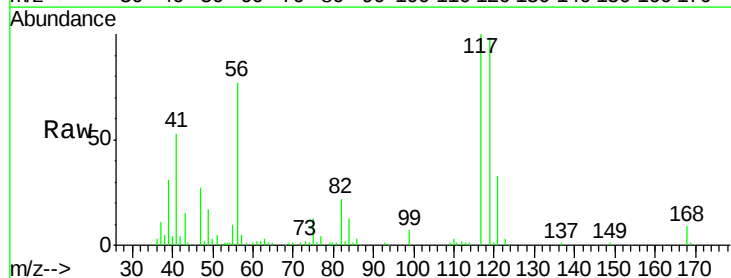
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

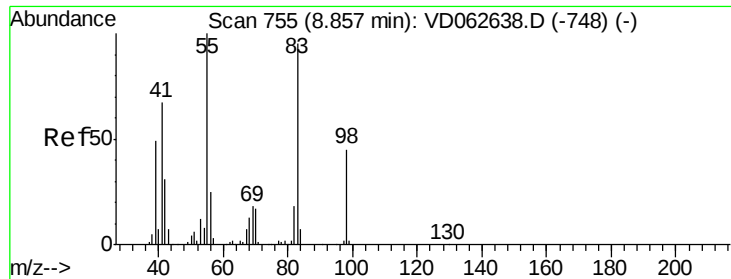
Tgt Ion: 43 Resp: 88751
 Ion Ratio Lower Upper
 43 100
 61 14.9 8.7 13.1#
 70 7.6 6.5 9.7



#38
 Carbon Tetrachloride
 Concen: 19.301 ug/l
 RT: 7.10 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 117 Resp: 334946
 Ion Ratio Lower Upper
 117 100
 119 97.9 73.5 110.3
 121 32.7 24.2 36.4

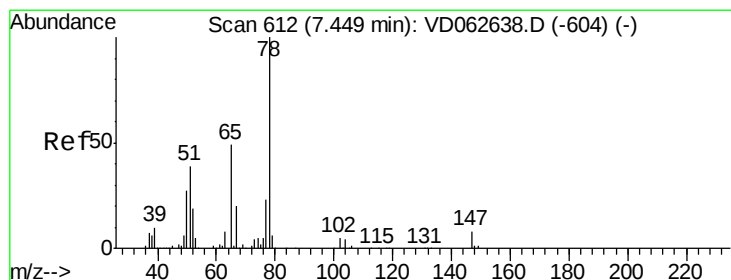
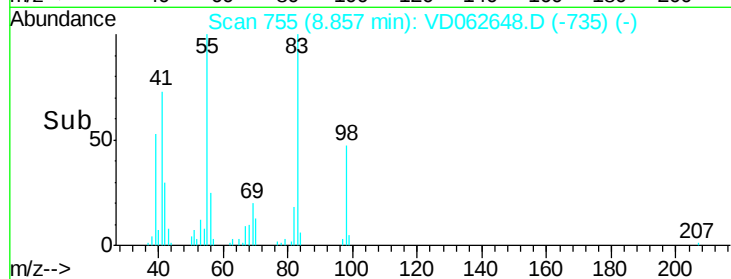
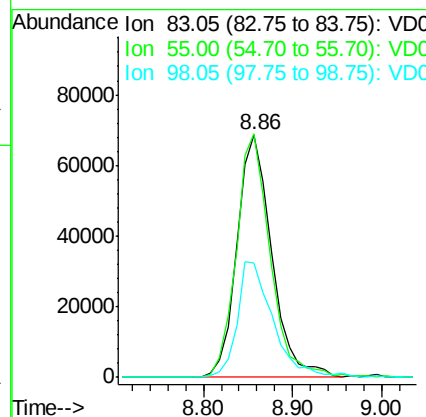
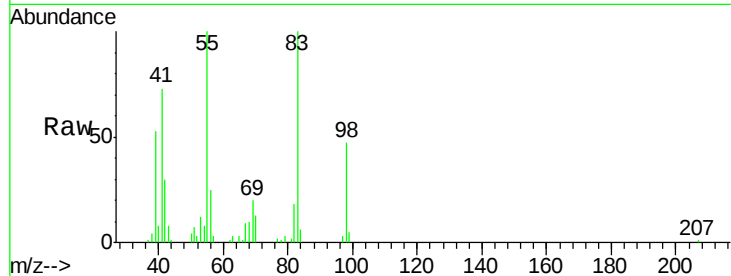




#39
Methylcyclohexane
Concen: 21.001 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

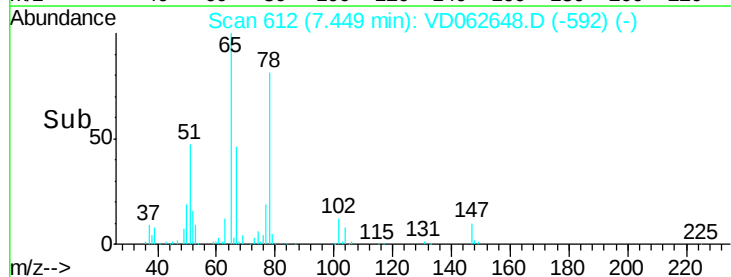
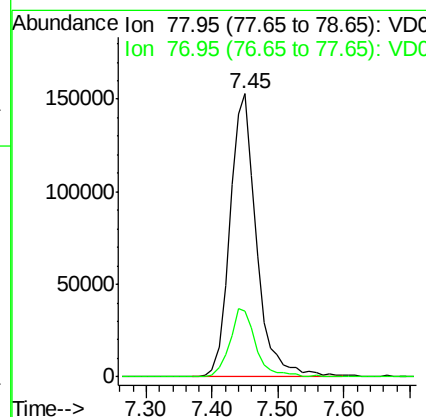
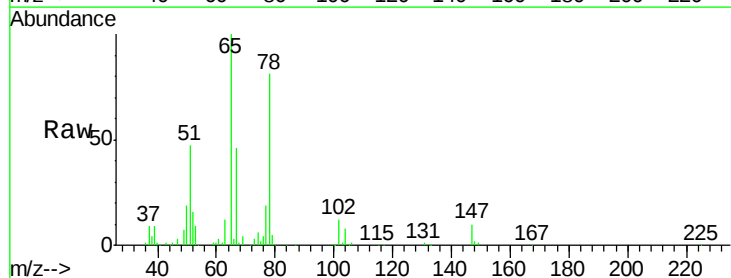
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

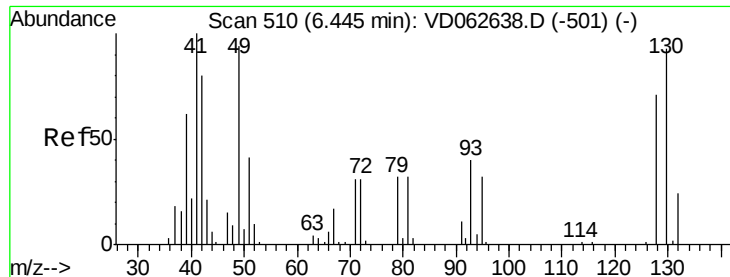
Tgt Ion: 83 Resp: 186330
Ion Ratio Lower Upper
83 100
55 100.4 84.6 127.0
98 47.3 38.2 57.4



#40
Benzene
Concen: 20.070 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion: 78 Resp: 430335
Ion Ratio Lower Upper
78 100
77 23.2 18.6 28.0





#41

Methacrylonitrile

Concen: 19.650 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

Tgt Ion: 41 Resp: 112936

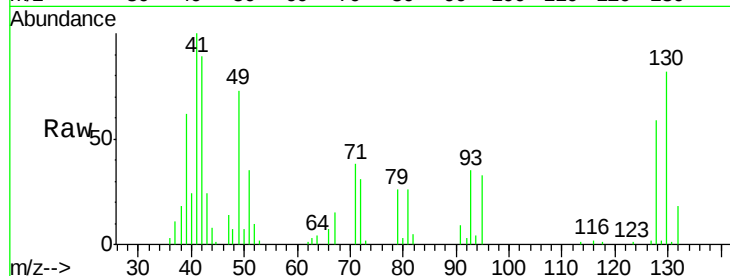
Ion Ratio Lower Upper

41 100

39 61.9 49.2 73.8

67 14.7 13.9 20.9

52 9.5 7.6 11.4

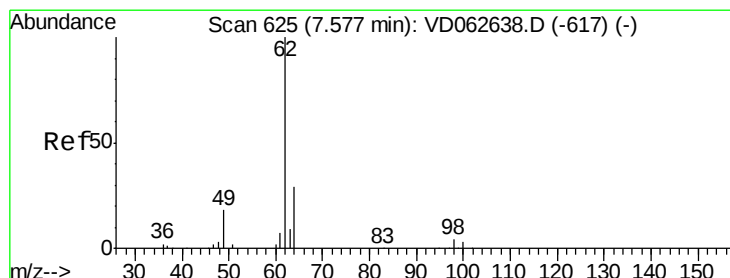
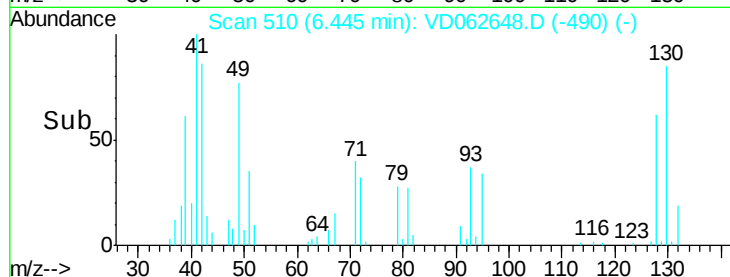
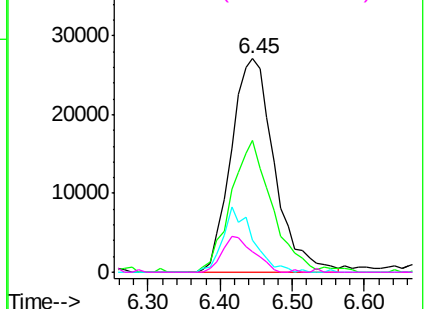


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.682 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD062648.D

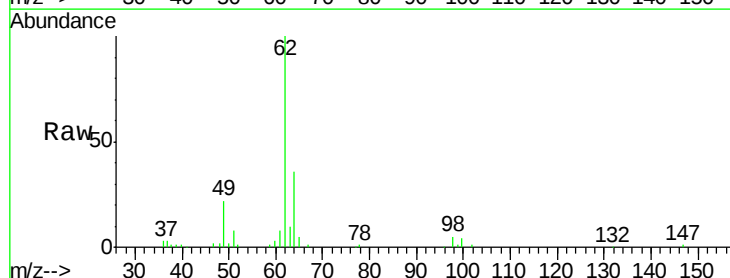
Acq: 10 Jun 2019 12:50

Tgt Ion: 62 Resp: 251528

Ion Ratio Lower Upper

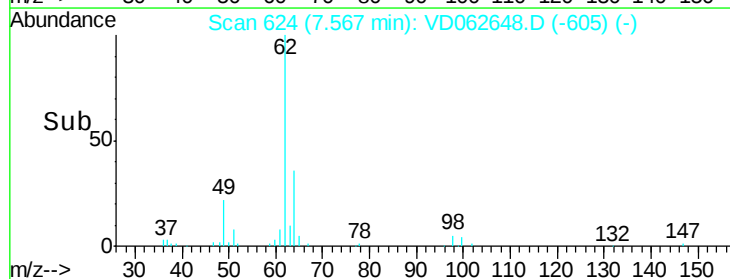
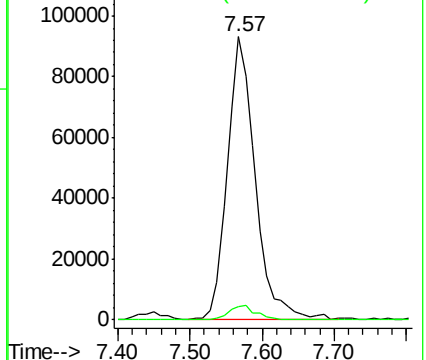
62 100

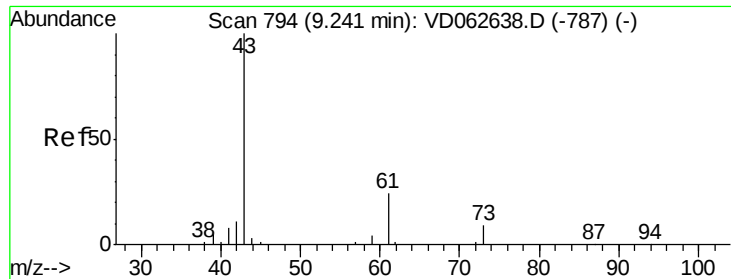
98 4.5 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.585 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

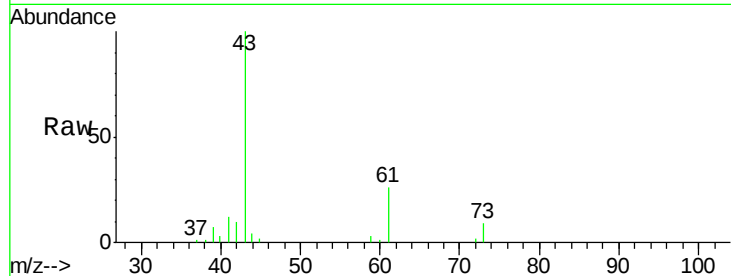
Tgt Ion: 43 Resp: 113456

Ion Ratio Lower Upper

43 100

61 26.1 19.0 28.6

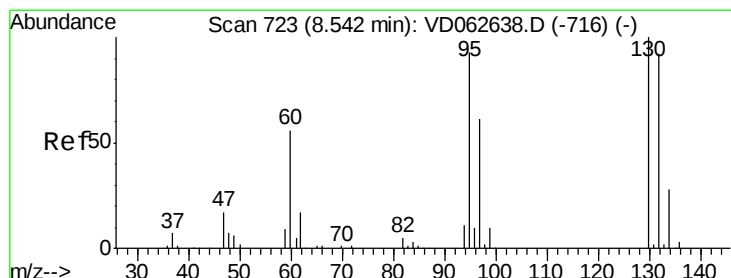
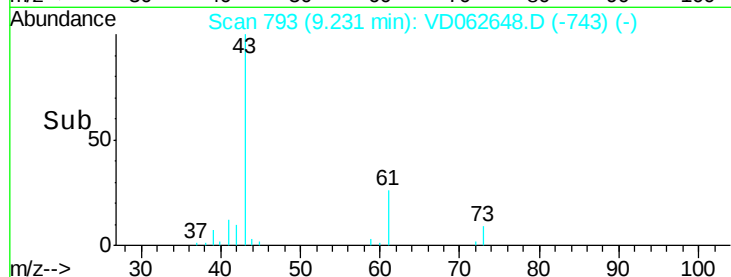
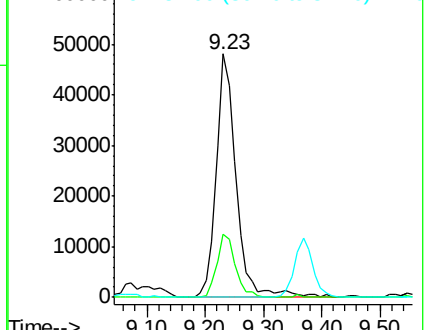
87 0.0 0.3 0.5#



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: 18.026 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062648.D

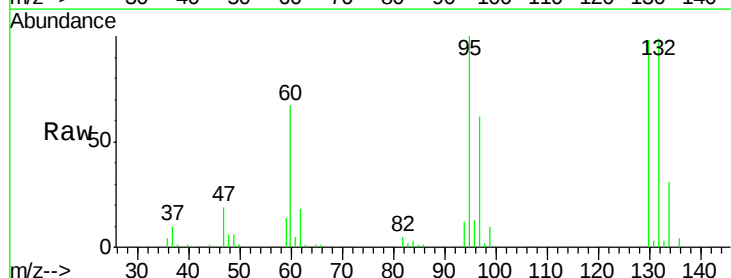
Acq: 10 Jun 2019 12:50

Tgt Ion: 130 Resp: 156912

Ion Ratio Lower Upper

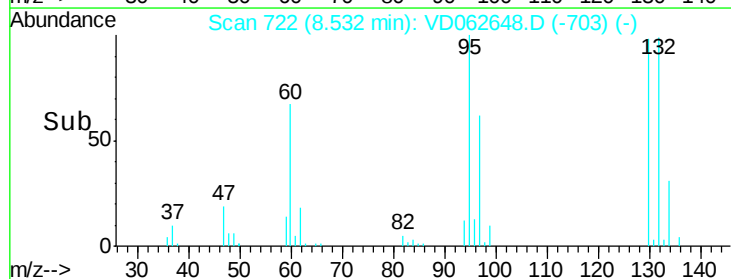
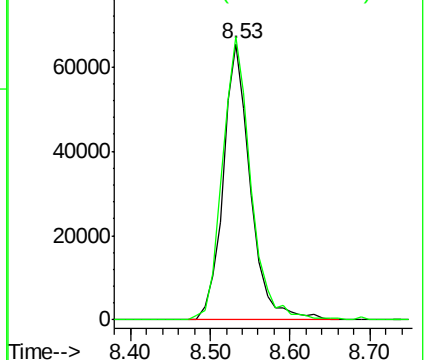
130 100

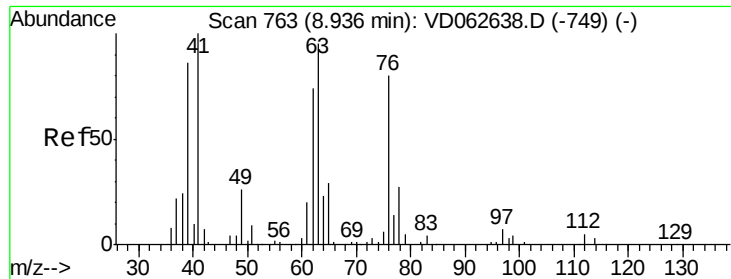
95 102.5 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.482 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

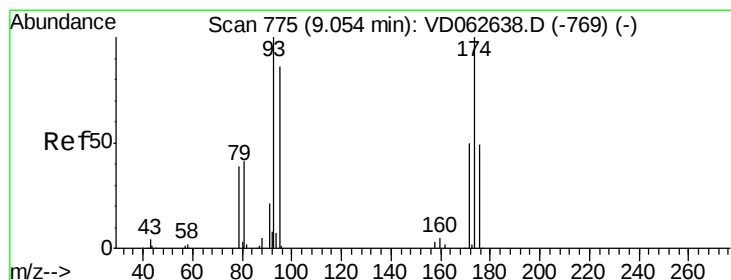
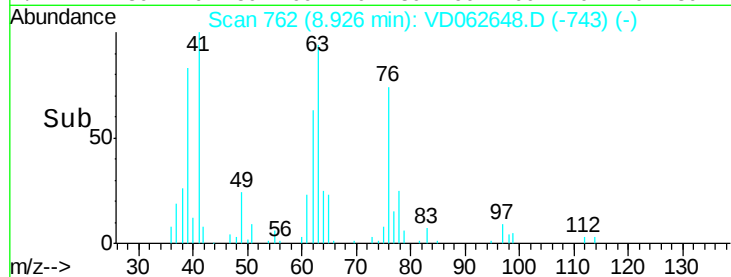
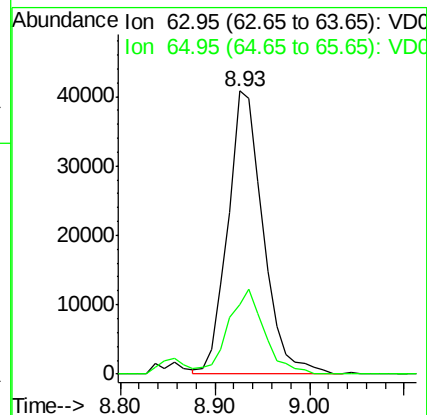
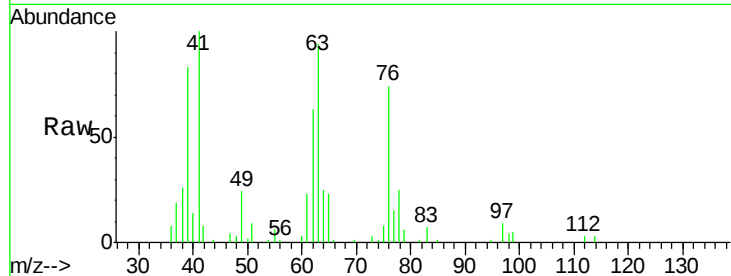
VD0610SBS01

Tgt Ion: 63 Resp: 105487

Ion Ratio Lower Upper

63 100

65 24.7 24.6 37.0



#46

Dibromomethane

Concen: 20.115 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

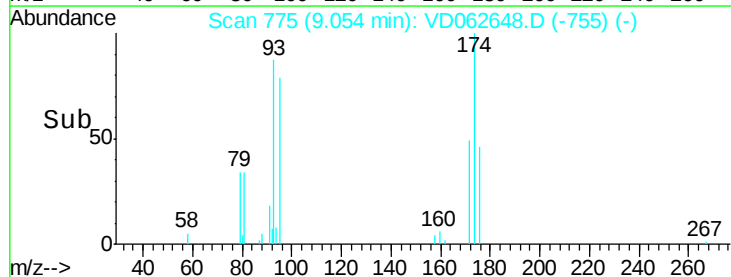
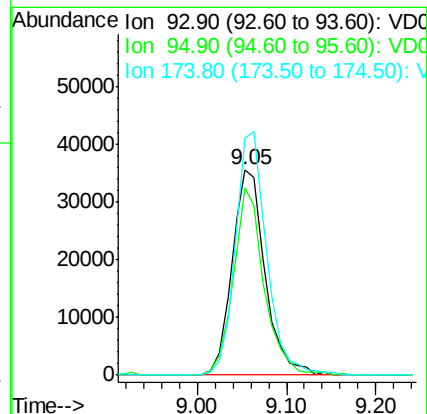
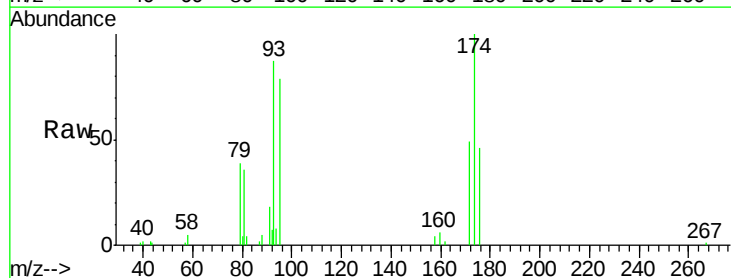
Tgt Ion: 93 Resp: 91955

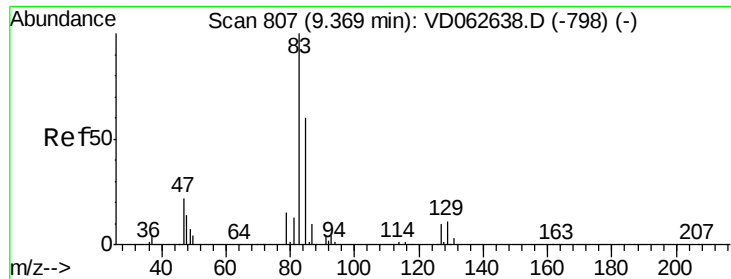
Ion Ratio Lower Upper

93 100

95 90.8 68.7 103.1

174 115.1 79.8 119.8





#47

Bromodichloromethane

Concen: 20.295 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

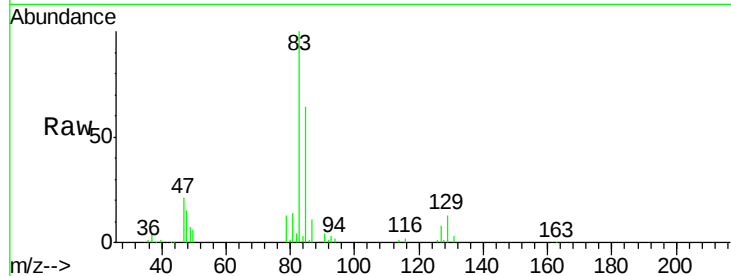
Tgt Ion: 83 Resp: 252392

Ion Ratio Lower Upper

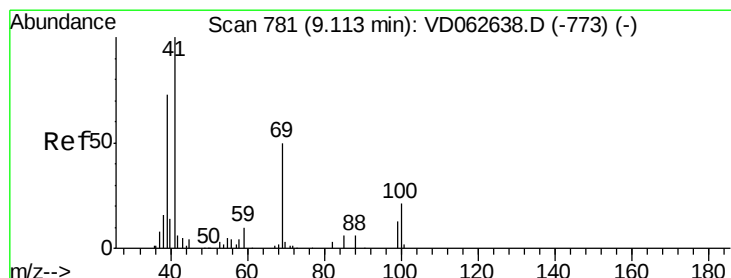
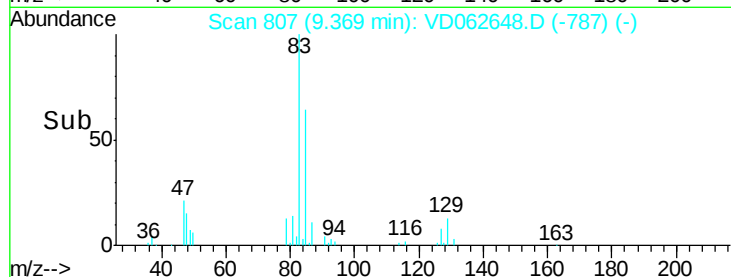
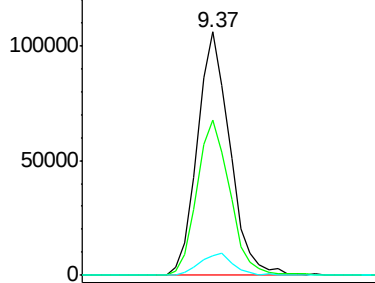
83 100

85 64.0 47.9 71.9

127 8.2 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): V



#48

Methyl methacrylate

Concen: 19.868 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

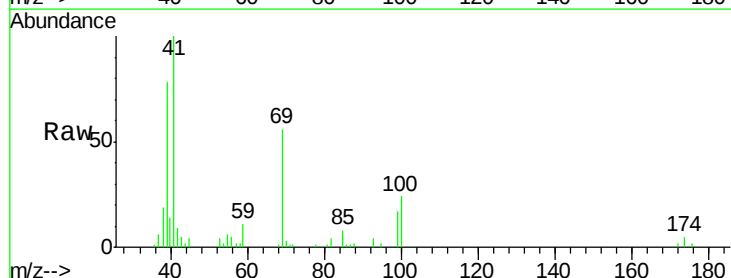
Tgt Ion: 41 Resp: 83150

Ion Ratio Lower Upper

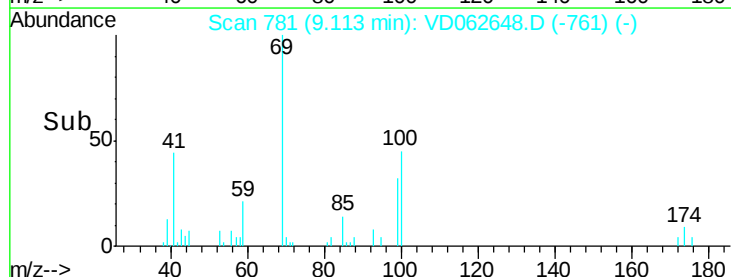
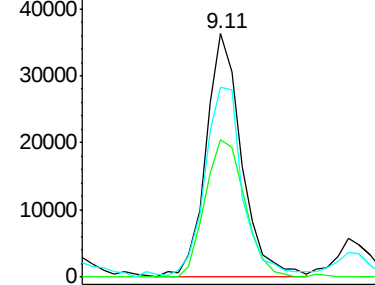
41 100

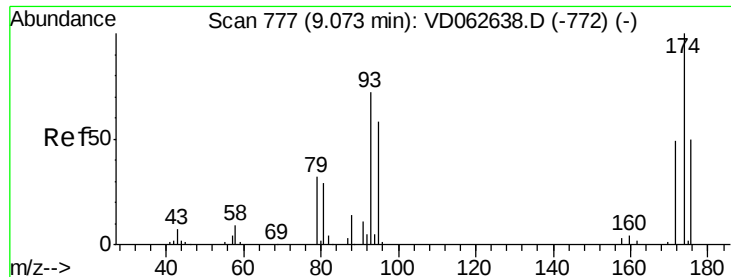
69 56.5 39.8 59.6

39 77.9 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

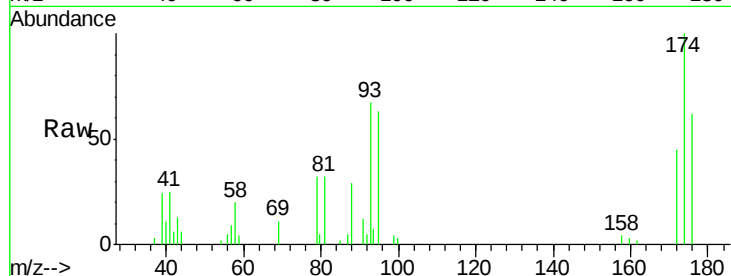




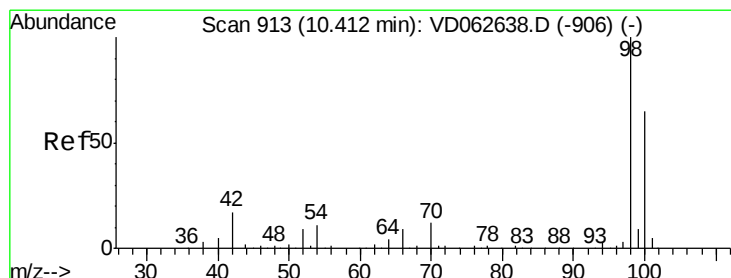
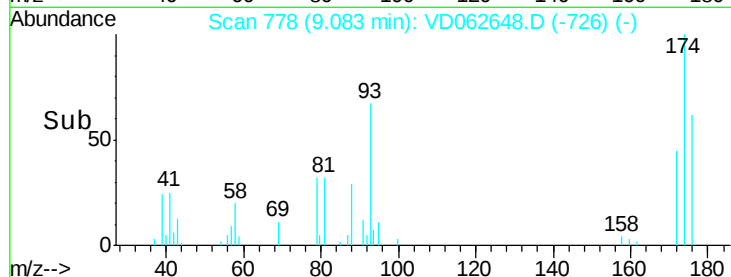
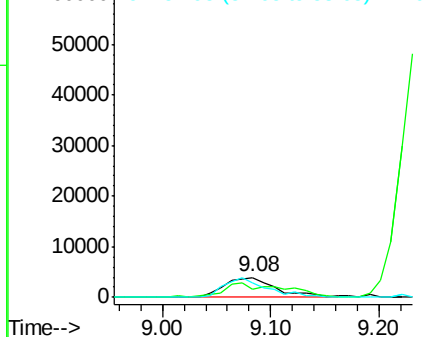
#49
1,4-Dioxane
Concen: 384.848 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

Tgt Ion: 88 Resp: 13261
Ion Ratio Lower Upper
88 100
43 44.4 40.7 61.1
58 71.1 54.2 81.4

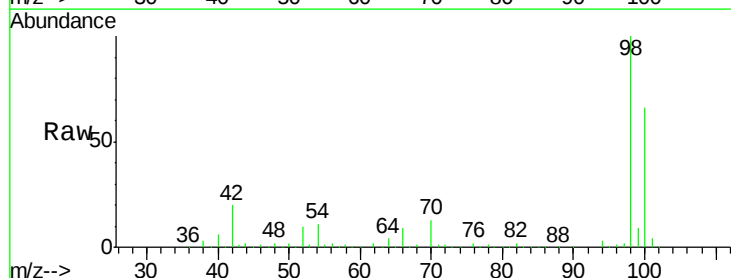


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

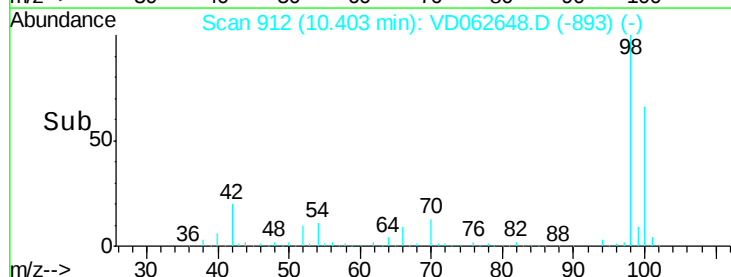
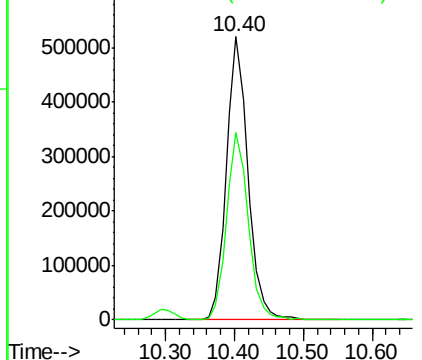


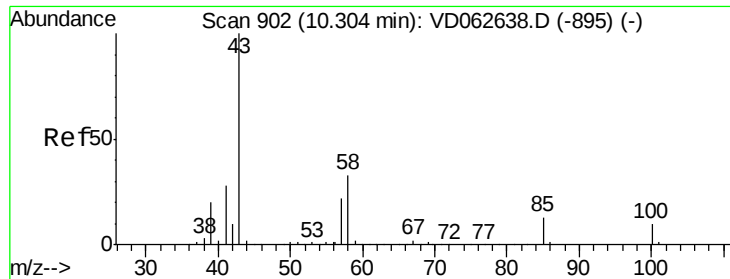
#50
Toluene-d8
Concen: 52.828 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion: 98 Resp: 1124333
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1



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

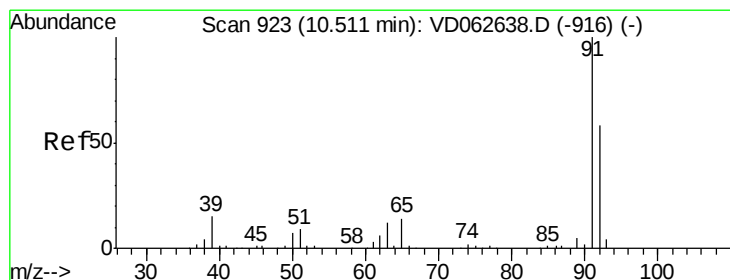
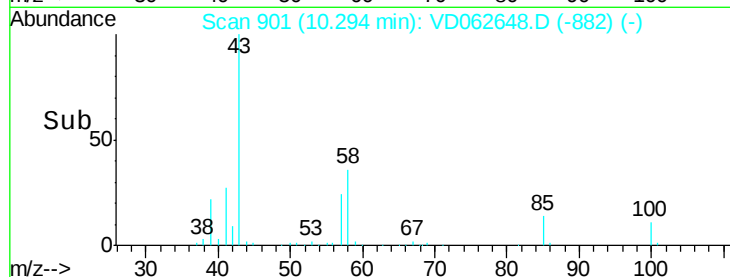
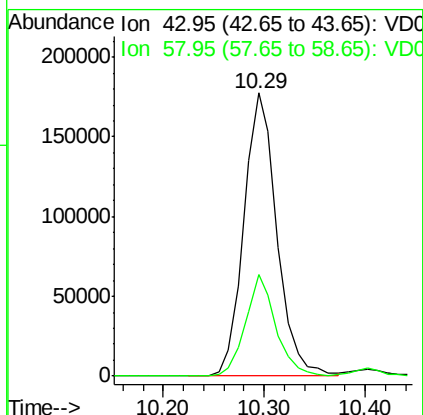
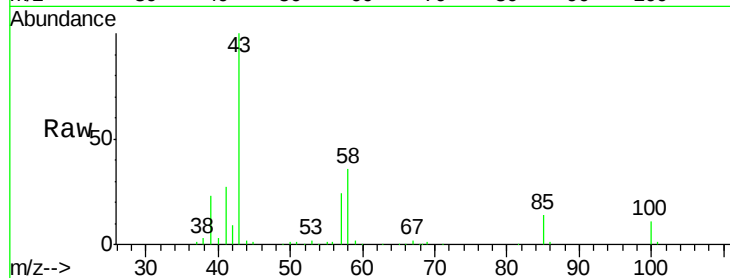




#51
 4-Methyl-2-Pentanone
 Concen: 99.720 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

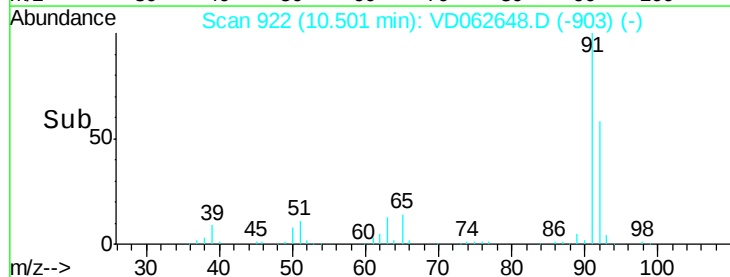
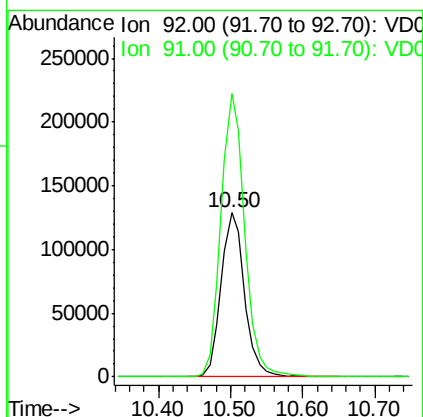
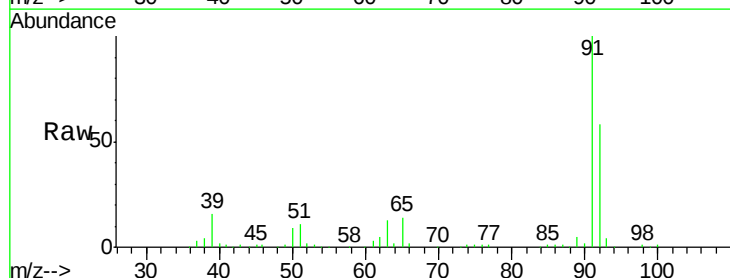
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

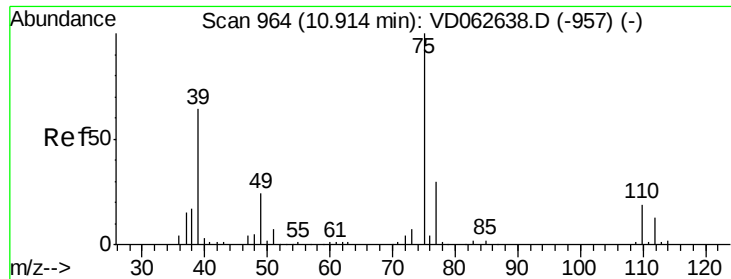
Tgt Ion: 43 Resp: 404222
 Ion Ratio Lower Upper
 43 100
 58 36.0 26.1 39.1



#52
 Toluene
 Concen: 20.096 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 92 Resp: 289630
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.0 205.6

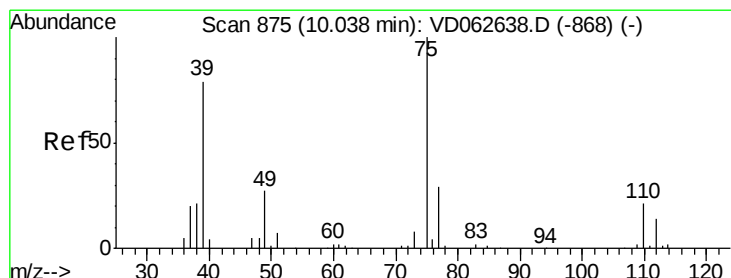
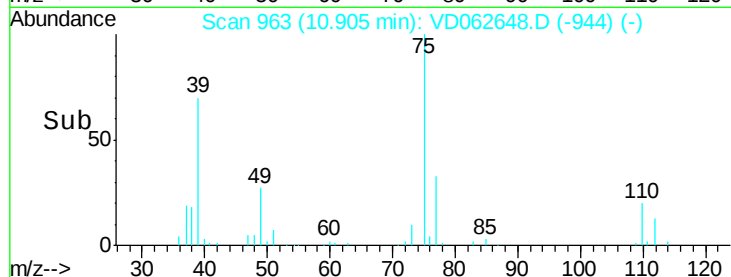
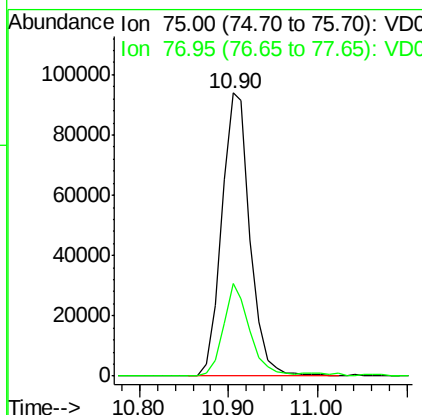
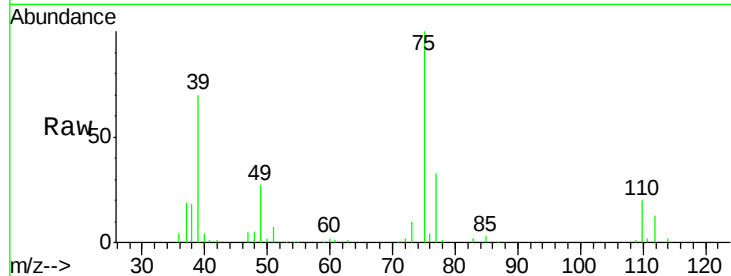




#53
 t-1,3-Dichloropropene
 Concen: 20.431 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

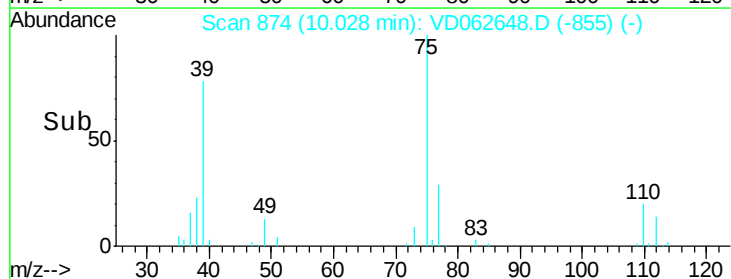
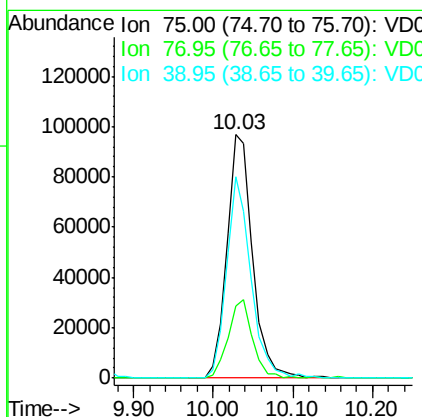
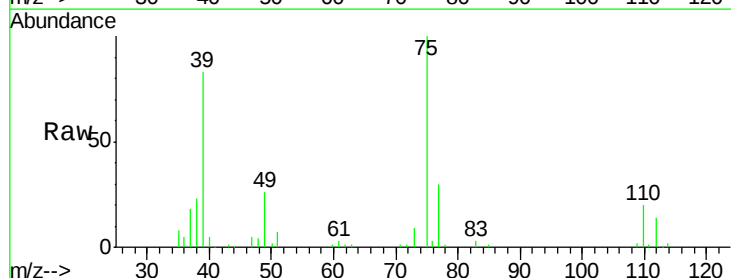
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

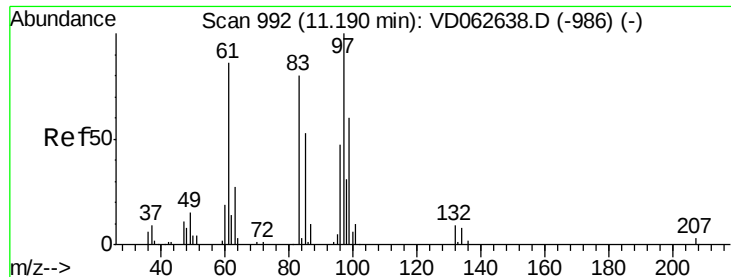
Tgt Ion: 75 Resp: 208311
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.793 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 75 Resp: 219121
 Ion Ratio Lower Upper
 75 100
 77 29.8 23.1 34.7
 39 82.9 63.4 95.2

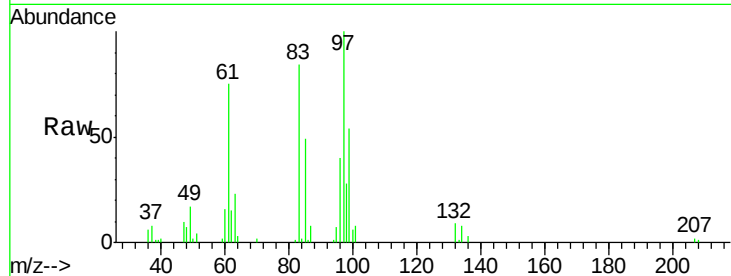




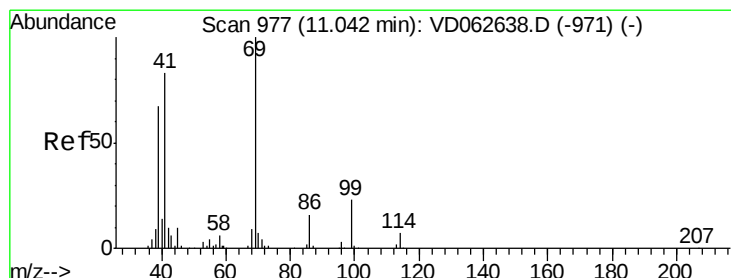
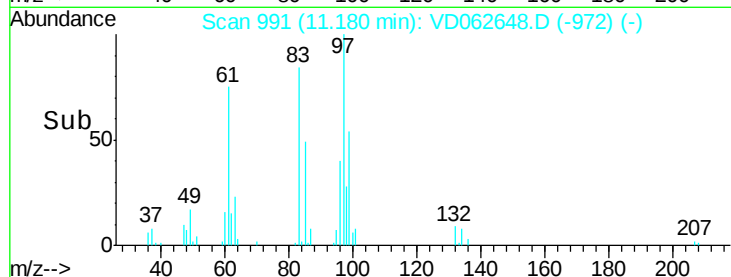
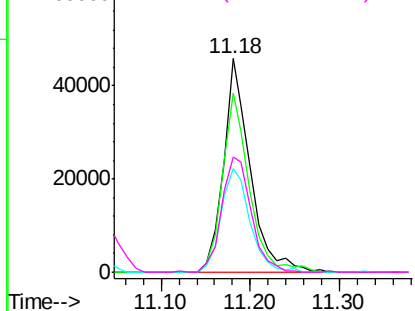
#55
 1,1,2-Trichloroethane
 Concen: 19.525 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

Tgt Ion:	97	Resp:	96507
Ion	Ratio	Lower	Upper
97	100		
83	83.7	63.8	95.8
85	48.8	42.3	63.5
99	53.9	48.0	72.0

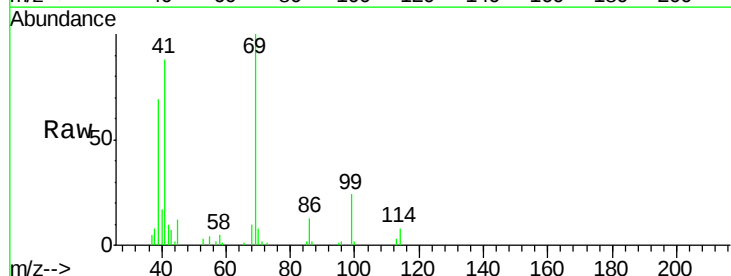


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

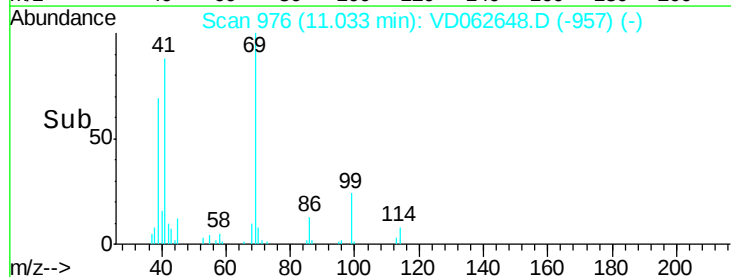
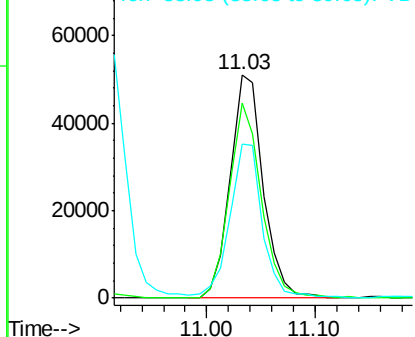


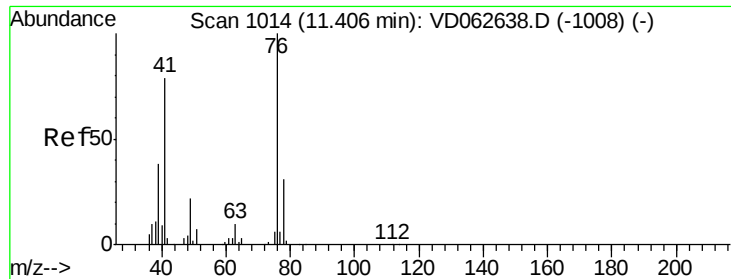
#56
 Ethyl methacrylate
 Concen: 20.663 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion:	69	Resp:	108110
Ion	Ratio	Lower	Upper
69	100		
41	87.5	66.2	99.4
39	68.8	53.8	80.8



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

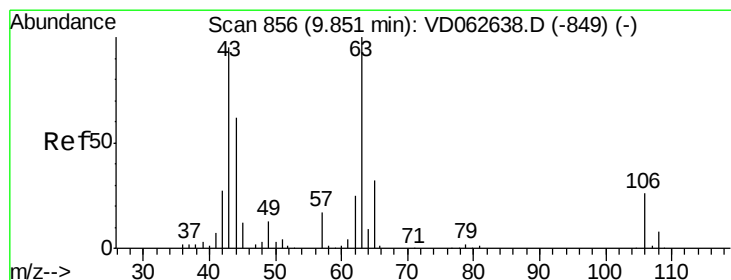
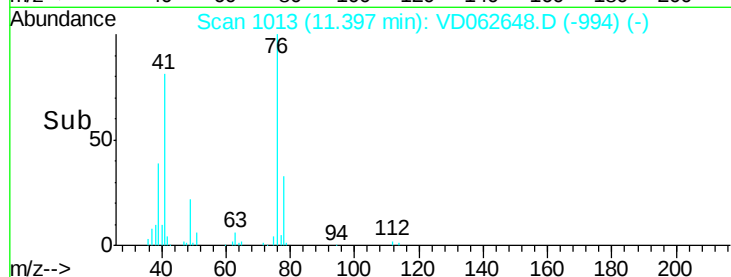
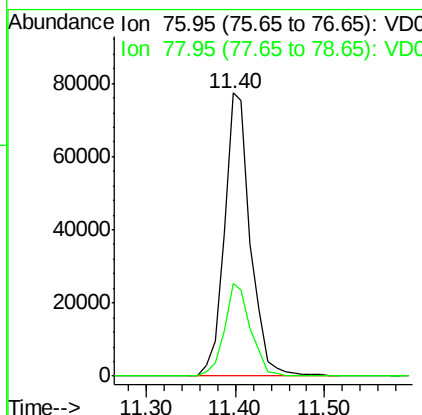
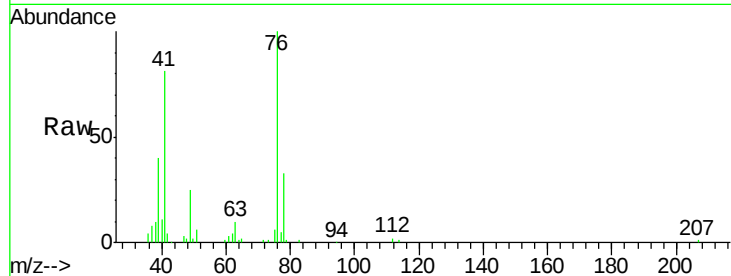




#57
 1,3-Dichloropropane
 Concen: 20.651 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

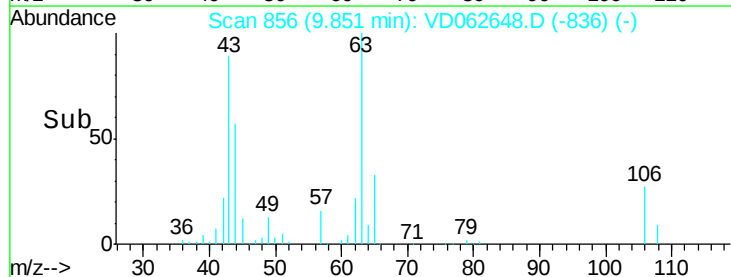
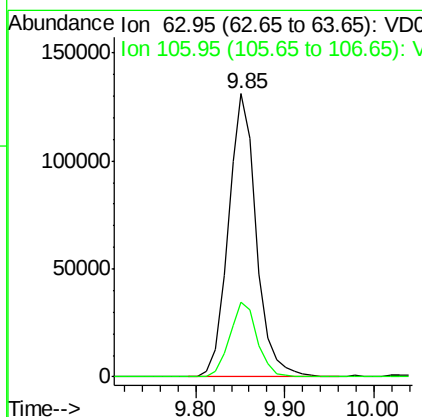
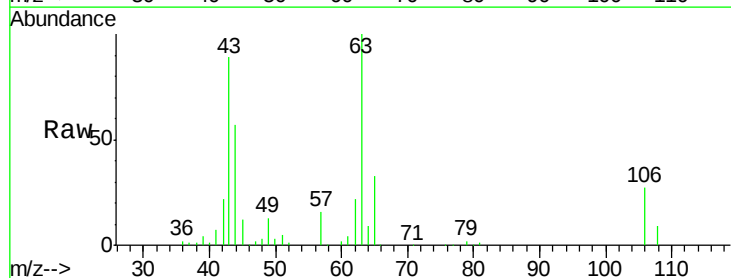
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

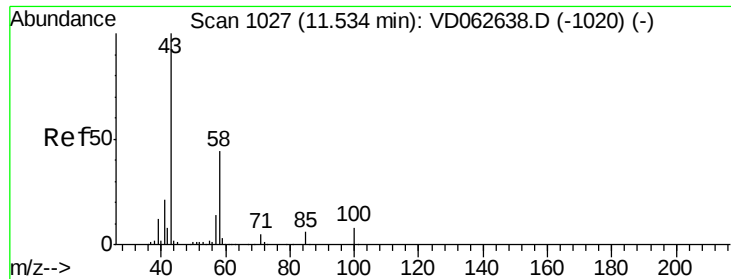
Tgt Ion: 76 Resp: 158205
 Ion Ratio Lower Upper
 76 100
 78 32.8 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.825 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 63 Resp: 287488
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.5 30.7

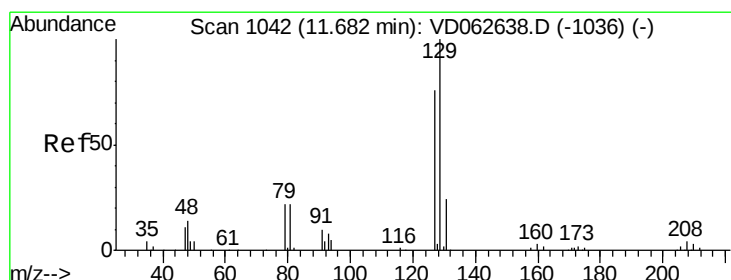
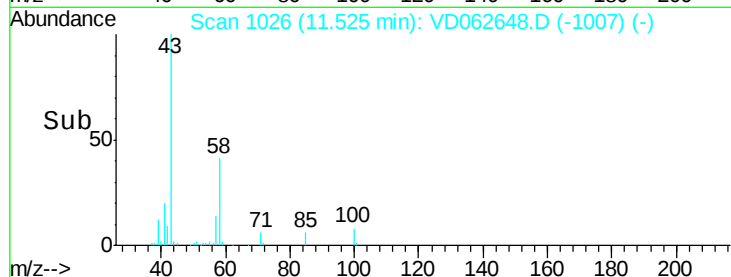
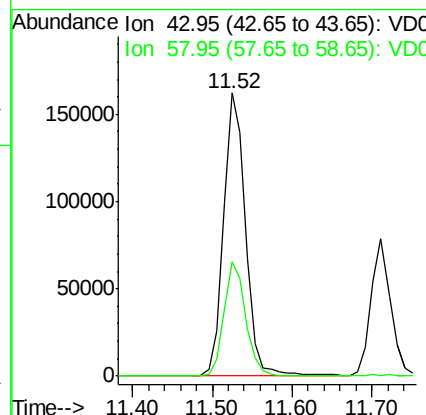
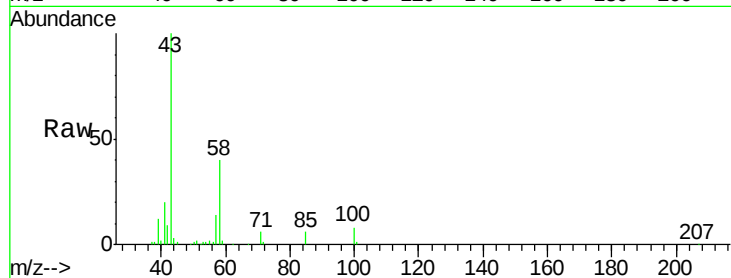




#59
2-Hexanone
Concen: 105.305 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

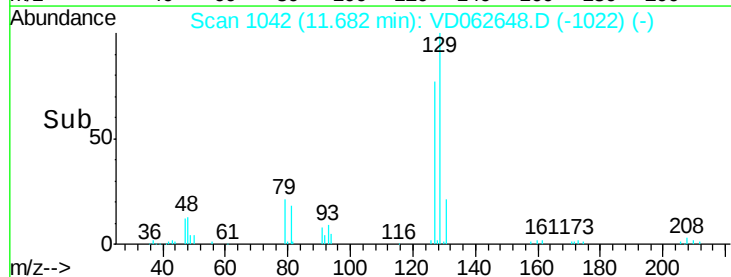
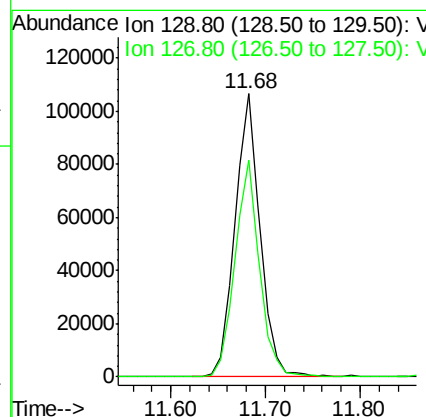
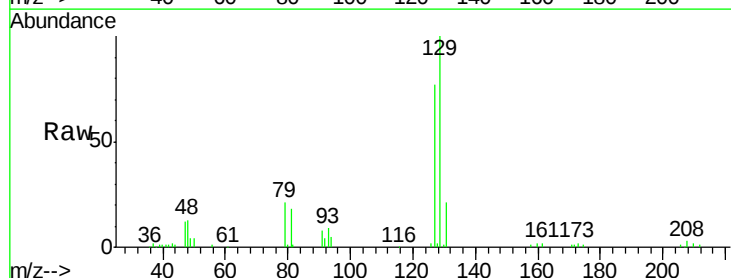
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

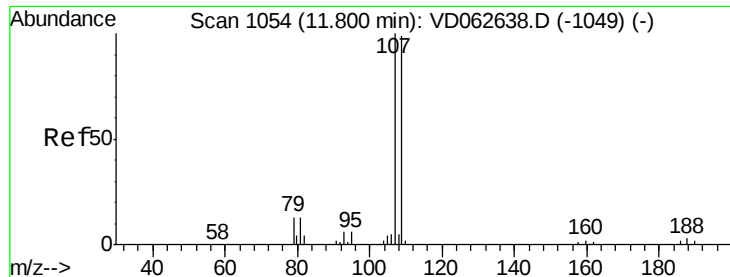
Tgt Ion: 43 Resp: 317526
Ion Ratio Lower Upper
43 100
58 40.5 21.8 65.4



#60
Dibromochloromethane
Concen: 19.975 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion: 129 Resp: 194891
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1

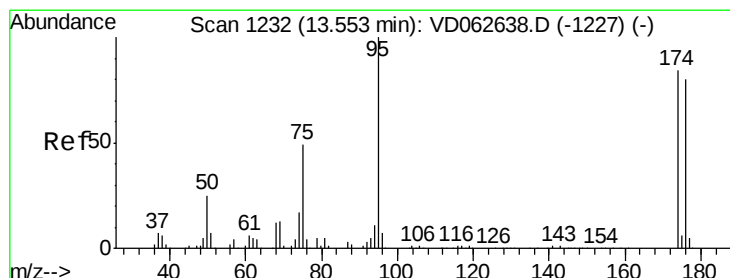
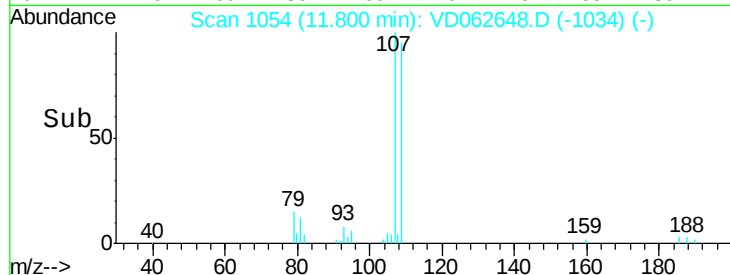
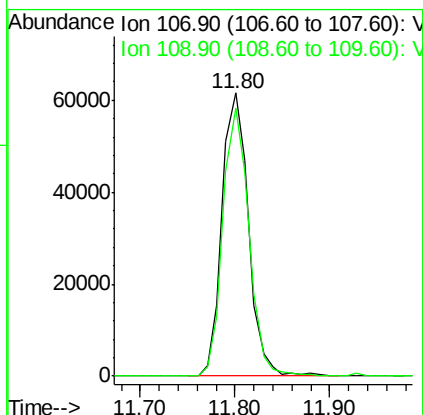
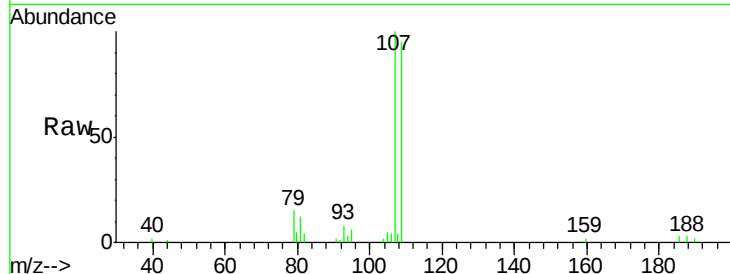




#61
 1,2-Dibromoethane
 Concen: 20.185 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

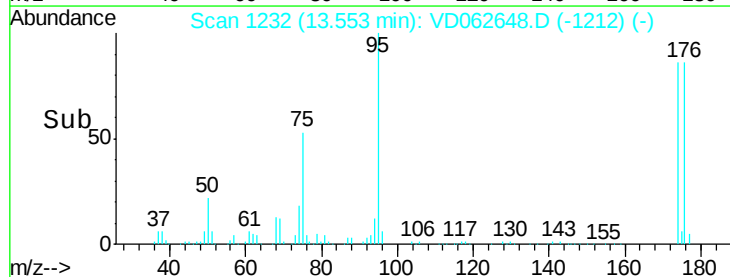
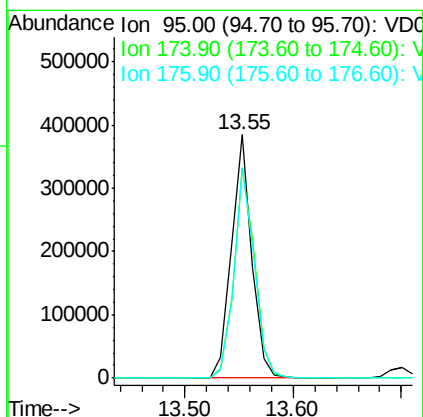
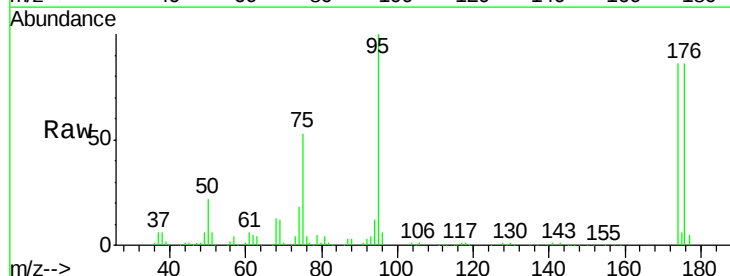
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

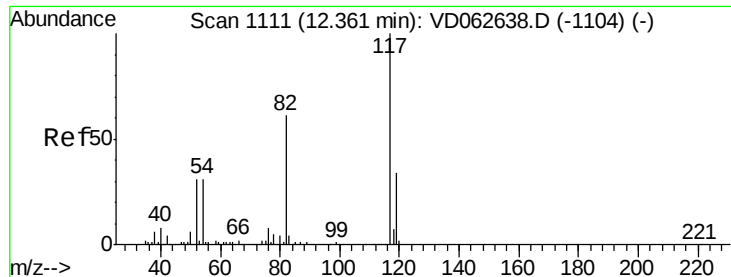
Tgt Ion: 107 Resp: 119407
 Ion Ratio Lower Upper
 107 100
 109 94.8 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 50.488 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 95 Resp: 501312
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 167.0
 176 86.2 0.0 159.2

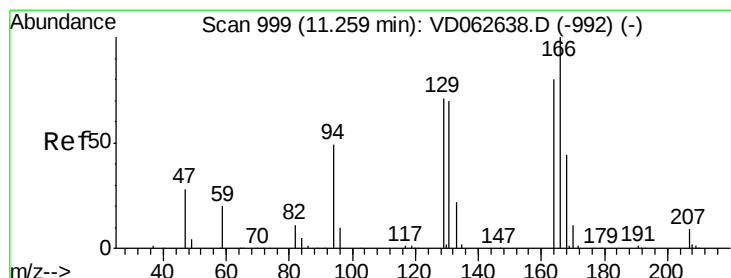
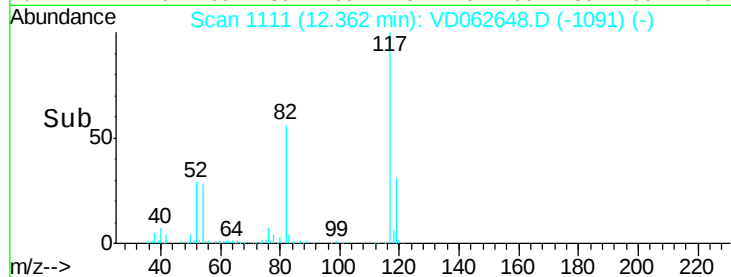
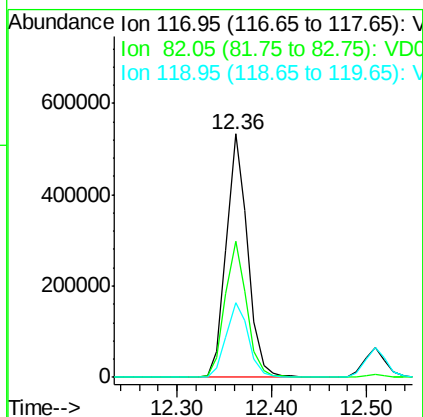
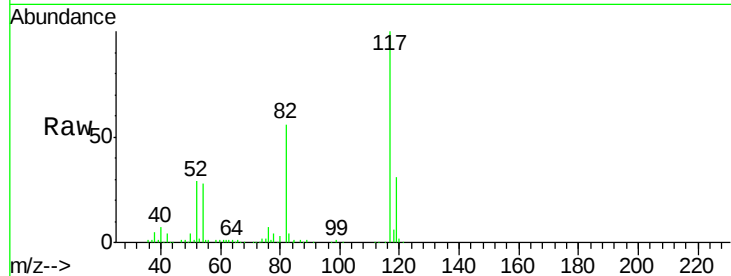




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

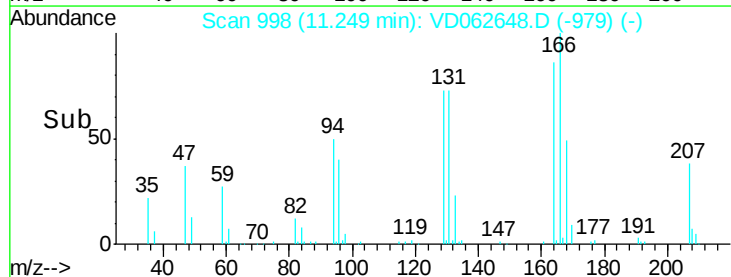
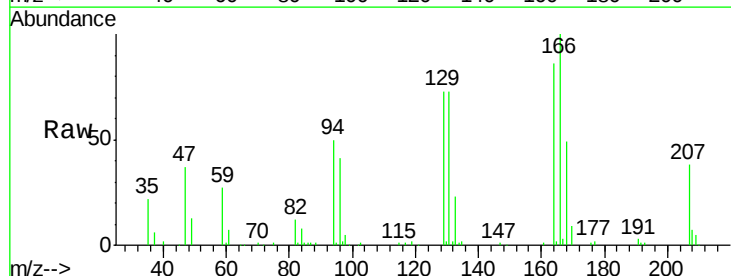
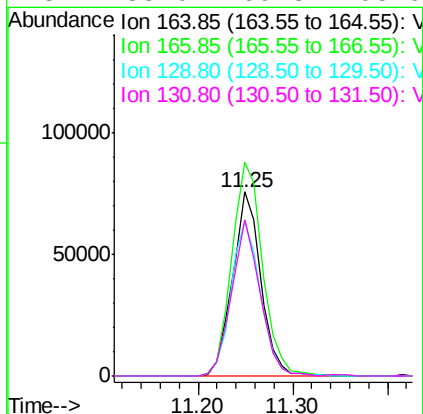
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

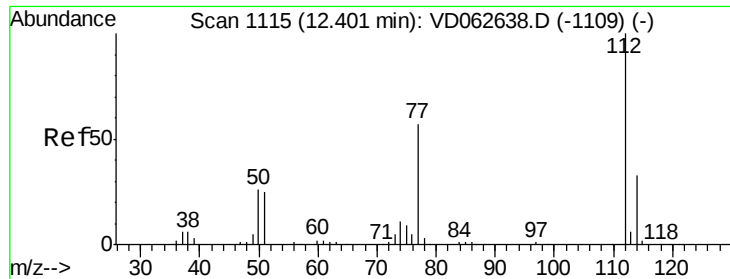
Tgt Ion:117 Resp: 827496
Ion Ratio Lower Upper
117 100
82 56.1 48.7 73.1
119 30.6 27.0 40.6



#64
Tetrachloroethene
Concen: 20.297 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion:164 Resp: 157226
Ion Ratio Lower Upper
164 100
166 116.0 99.4 149.2
129 84.4 70.2 105.4
131 85.0 69.3 103.9

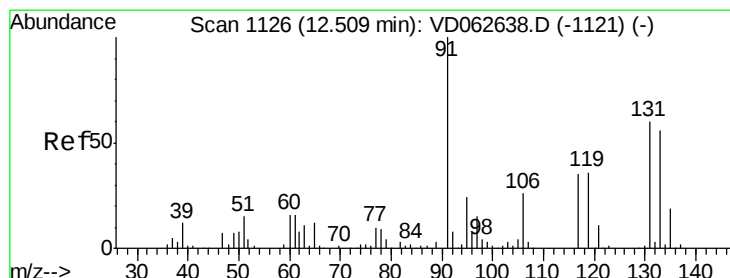
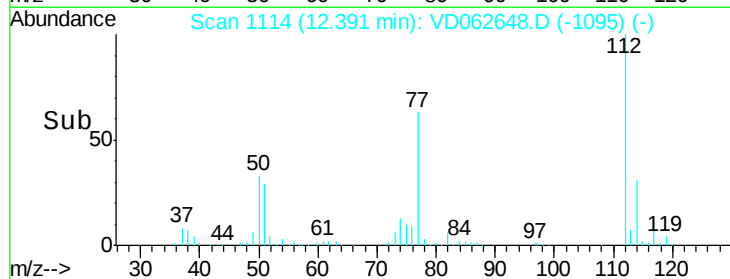
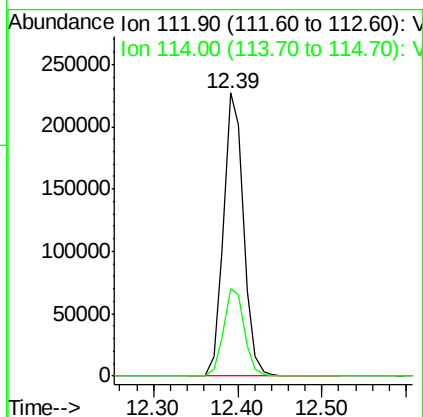
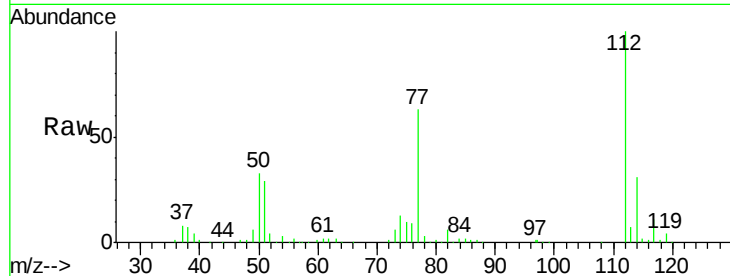




#65
Chlorobenzene
Concen: 20.519 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

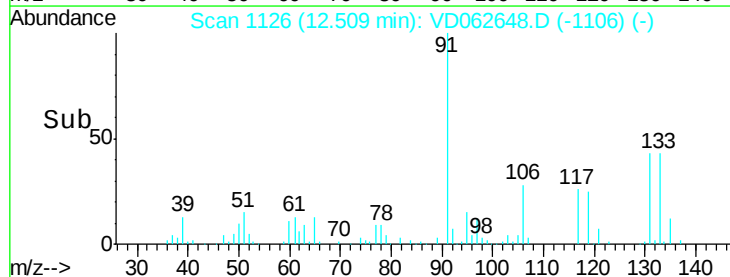
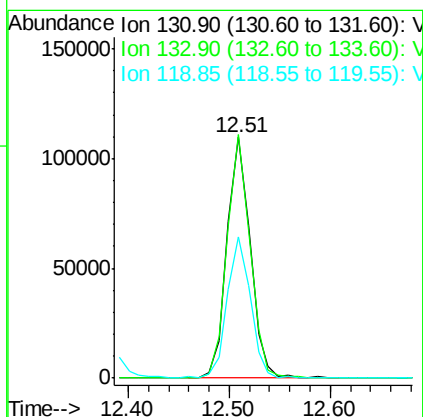
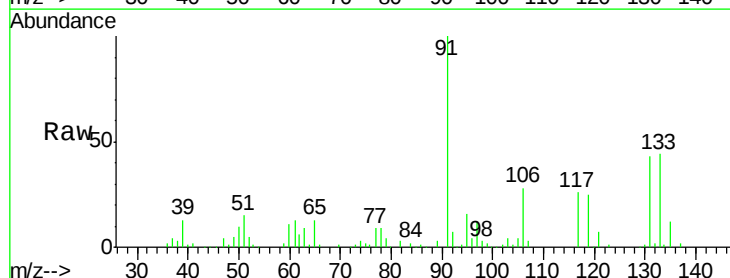
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

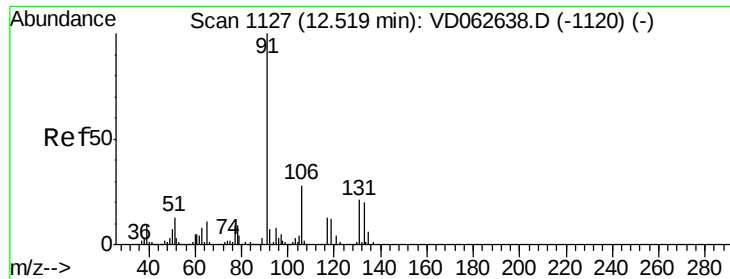
Tgt Ion:112 Resp: 375568
Ion Ratio Lower Upper
112 100
114 31.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.234 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion:131 Resp: 176639
Ion Ratio Lower Upper
131 100
133 101.2 46.8 140.3
119 58.8 29.9 89.8

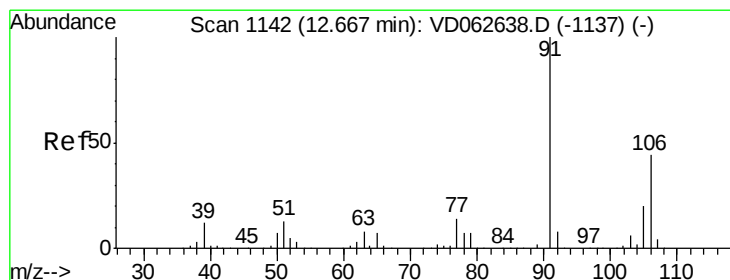
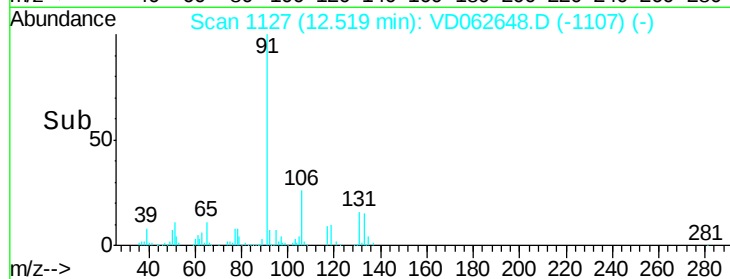
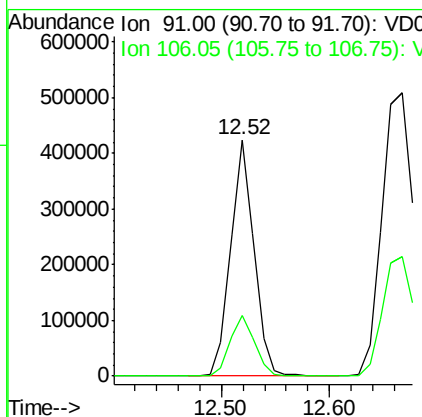
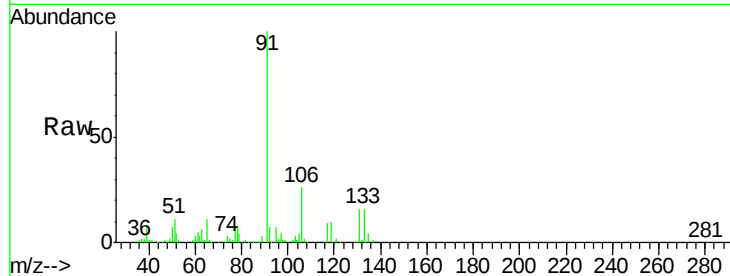




#67
Ethyl Benzene
Concen: 19.789 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

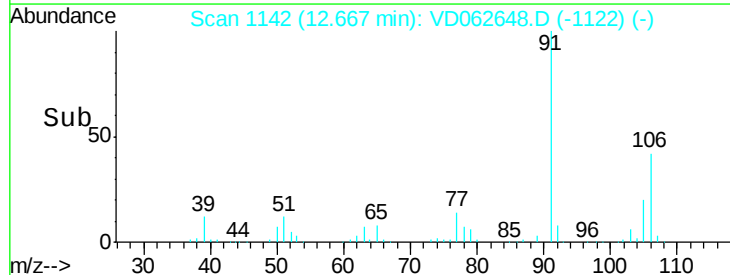
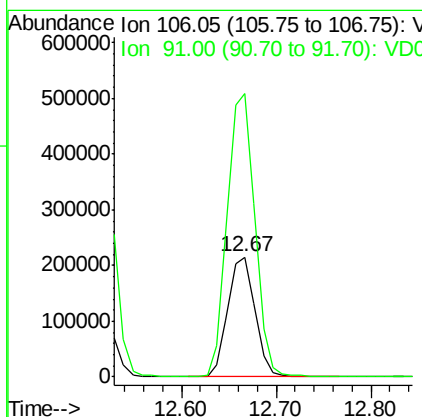
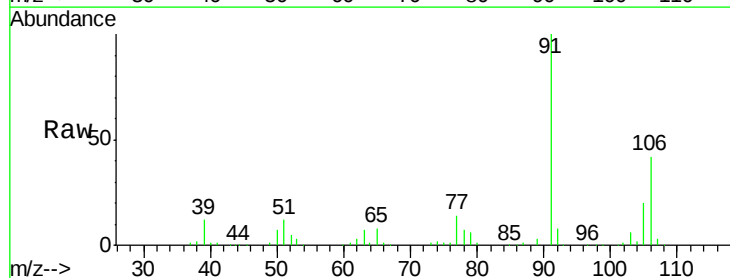
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

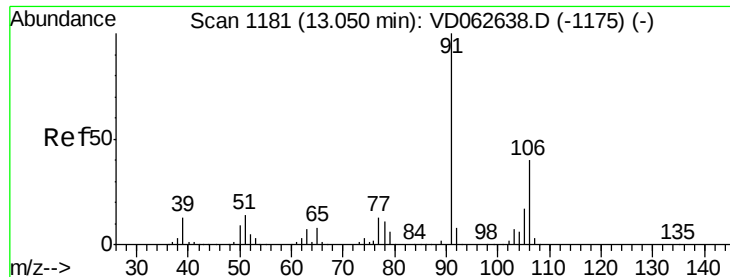
Tgt Ion: 91 Resp: 642223
Ion Ratio Lower Upper
91 100
106 25.7 22.1 33.1



#68
m/p-Xylenes
Concen: 37.551 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion: 106 Resp: 428424
Ion Ratio Lower Upper
106 100
91 235.9 180.2 270.4

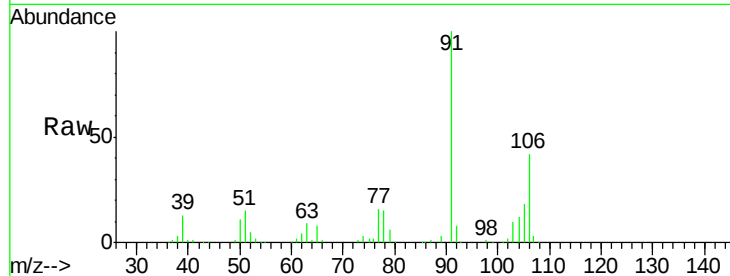




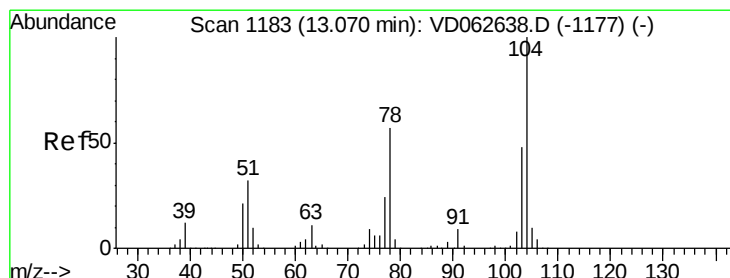
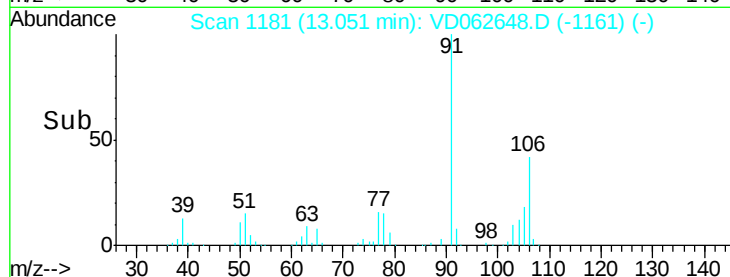
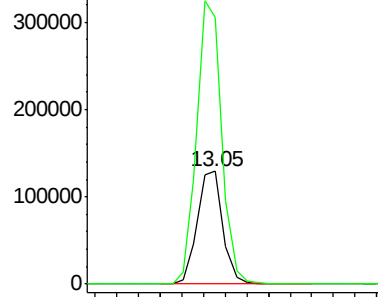
#69
o-Xylene
Concen: 20.355 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

Tgt Ion:106 Resp: 213282
Ion Ratio Lower Upper
106 100
91 237.0 124.1 372.1

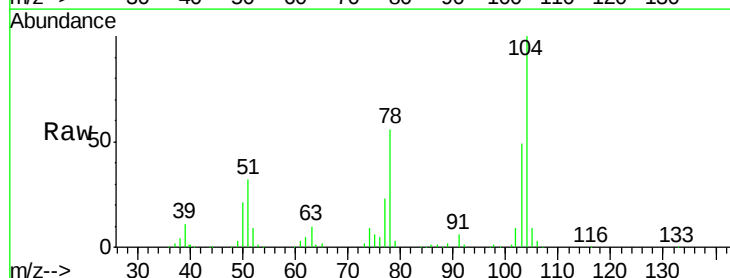


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

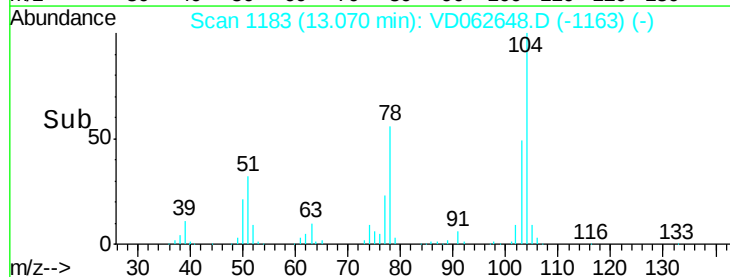
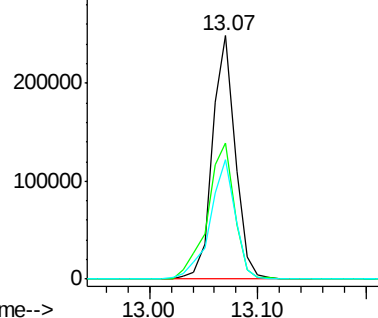


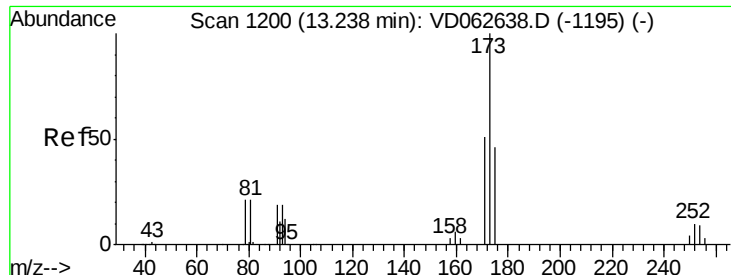
#70
Styrene
Concen: 19.465 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion:104 Resp: 363919
Ion Ratio Lower Upper
104 100
78 55.6 45.9 68.9
103 49.1 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: 20.437 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

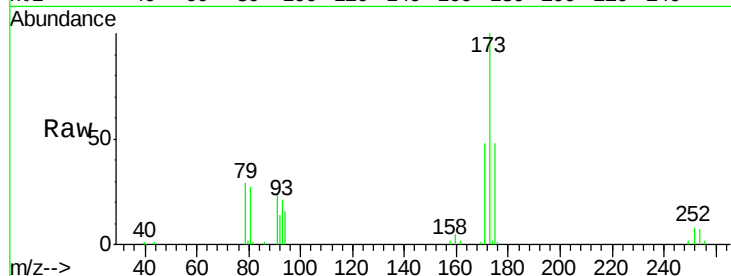
Tgt Ion:173 Resp: 124981

Ion Ratio Lower Upper

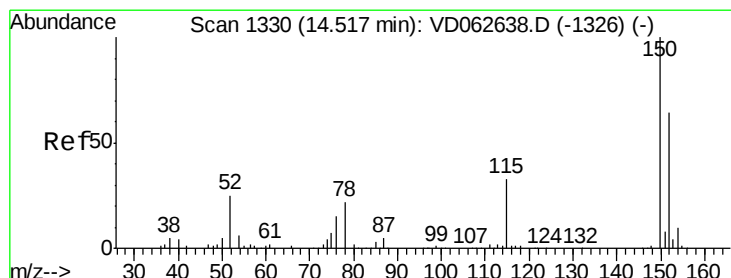
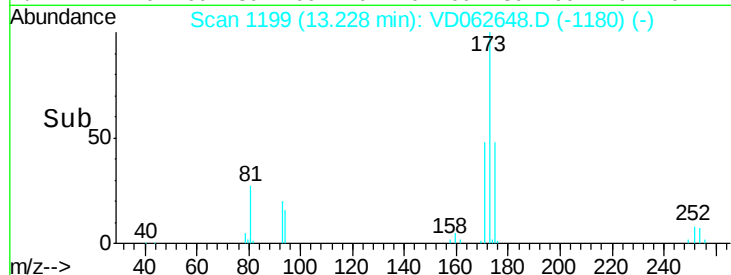
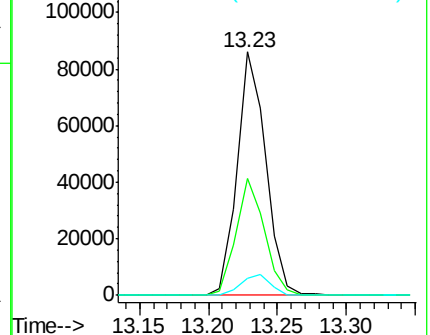
173 100

175 48.2 22.9 68.7

254 7.3 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: VD062648.D

Acq: 10 Jun 2019 12:50

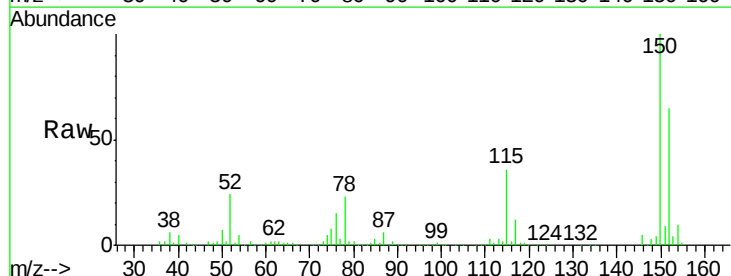
Tgt Ion:152 Resp: 447605

Ion Ratio Lower Upper

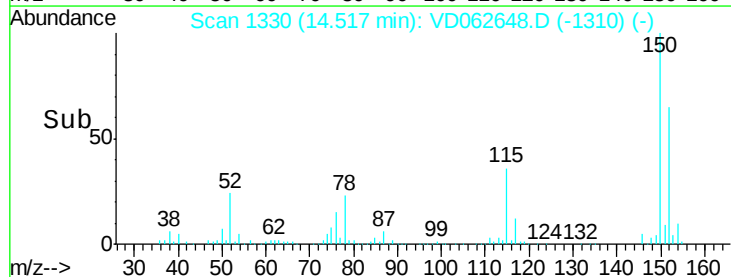
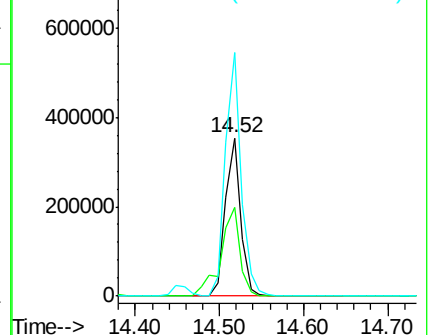
152 100

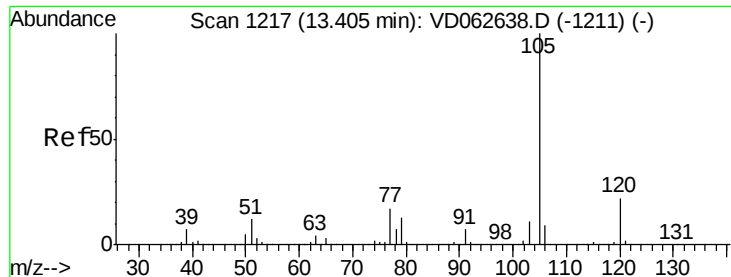
115 55.9 30.1 90.5

150 153.6 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: 20.872 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

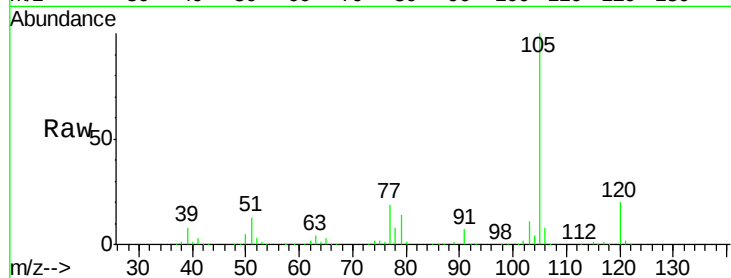
VD0610SBS01

Tgt Ion:105 Resp: 658483

Ion Ratio Lower Upper

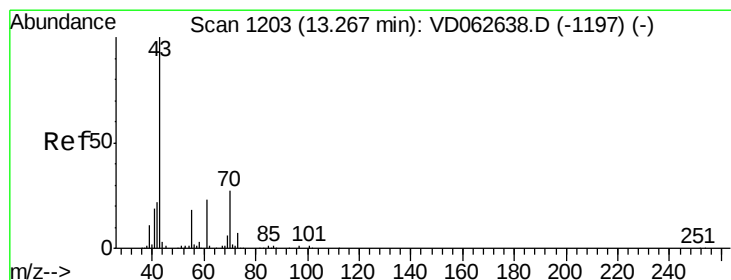
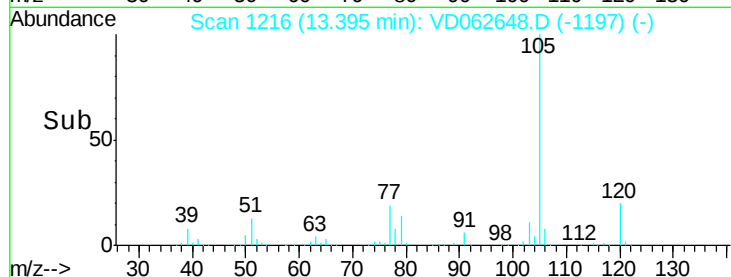
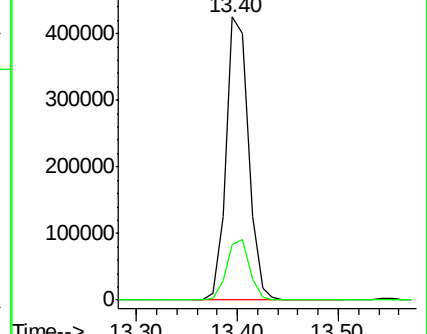
105 100

120 19.8 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: 20.780 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Tgt Ion: 43 Resp: 177182

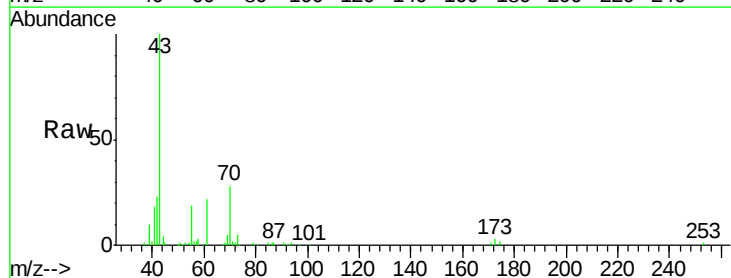
Ion Ratio Lower Upper

43 100

70 27.6 21.8 32.8

55 19.2 14.6 21.8

61 22.4 18.4 27.6

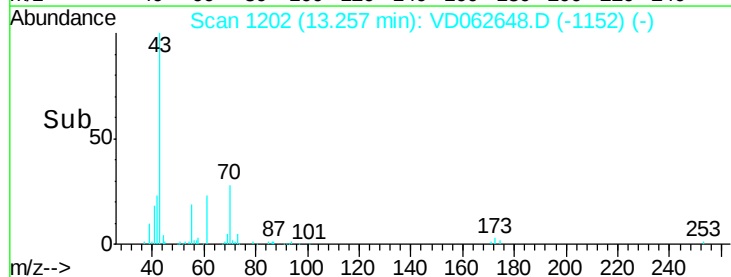
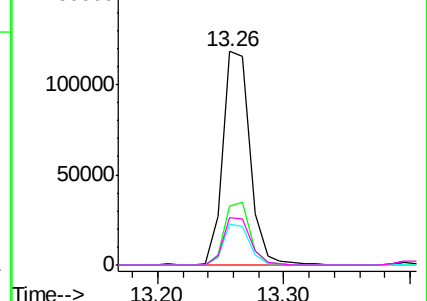


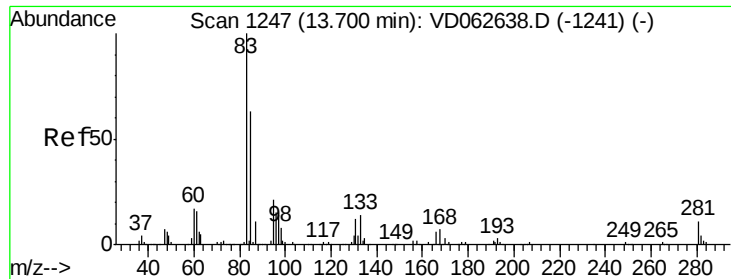
Abundance Ion 42.95 (42.65 to 43.65): V

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: 19.892 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

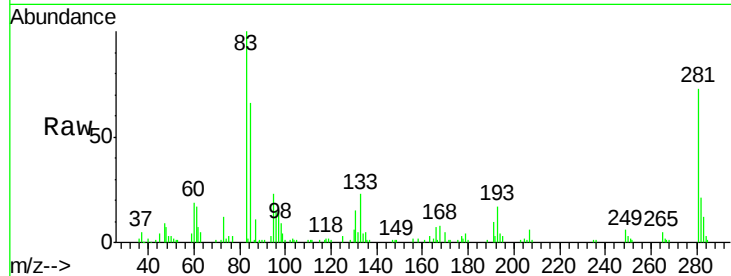
Tgt Ion: 83 Resp: 107385

Ion Ratio Lower Upper

83 100

131 15.0 5.9 17.7

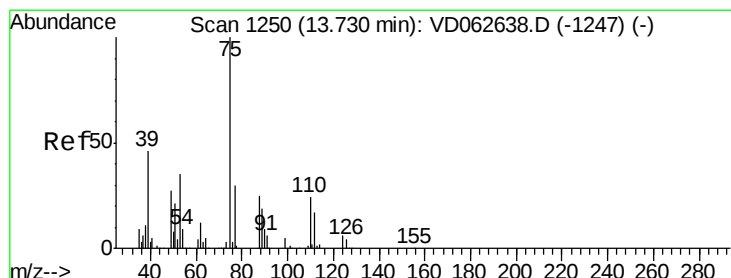
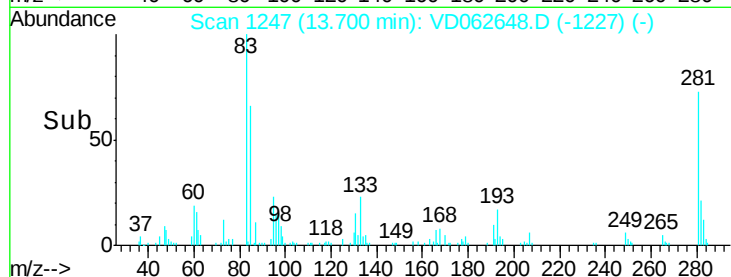
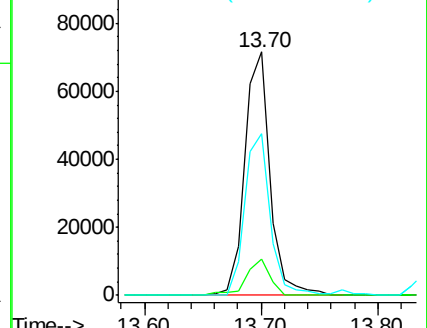
85 66.4 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.521 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062648.D

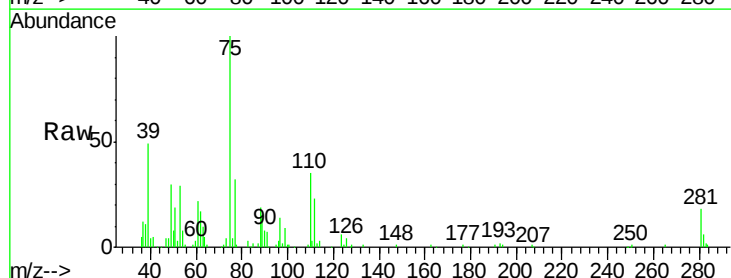
Acq: 10 Jun 2019 12:50

Tgt Ion: 75 Resp: 130610

Ion Ratio Lower Upper

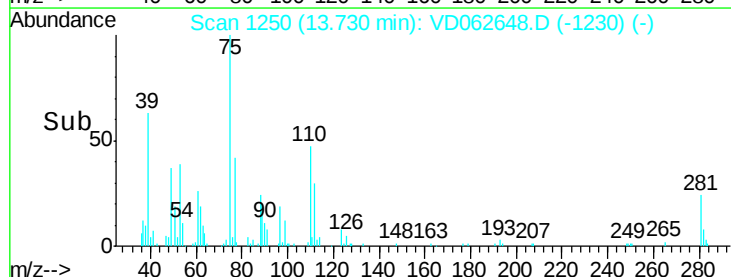
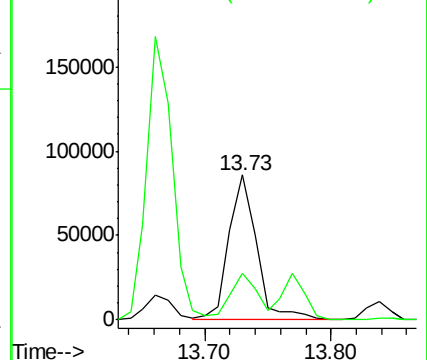
75 100

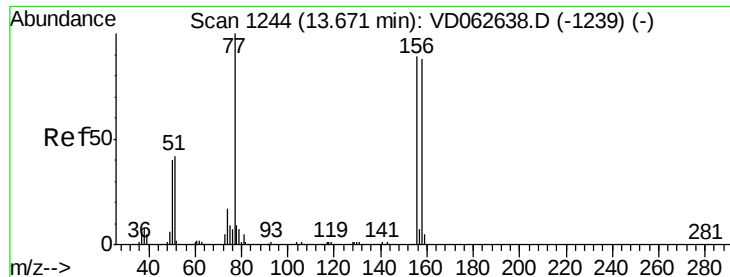
77 32.4 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.312 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0610SBS01

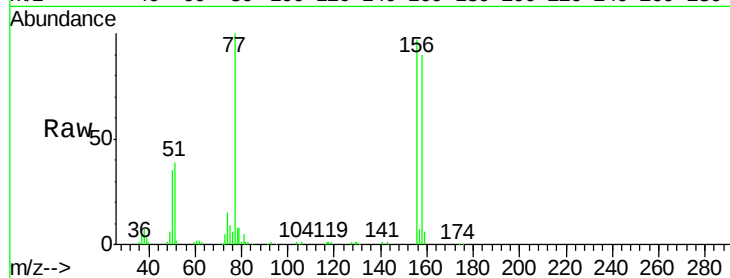
Tgt Ion: 156 Resp: 183162

Ion Ratio Lower Upper

156 100

77 103.0 56.3 168.8

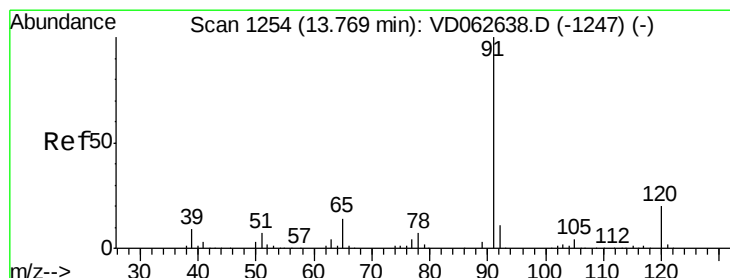
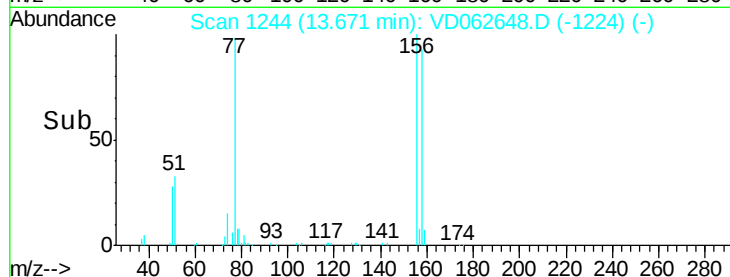
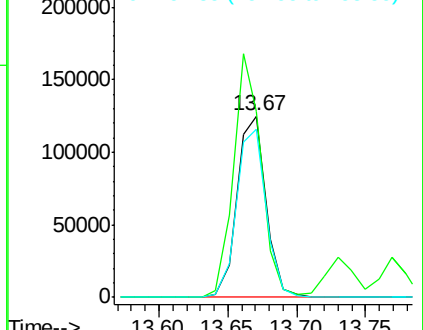
158 92.8 49.6 148.8



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: 20.534 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062648.D

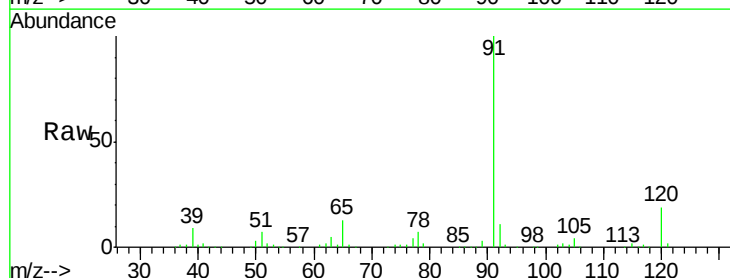
Acq: 10 Jun 2019 12:50

Tgt Ion: 91 Resp: 792972

Ion Ratio Lower Upper

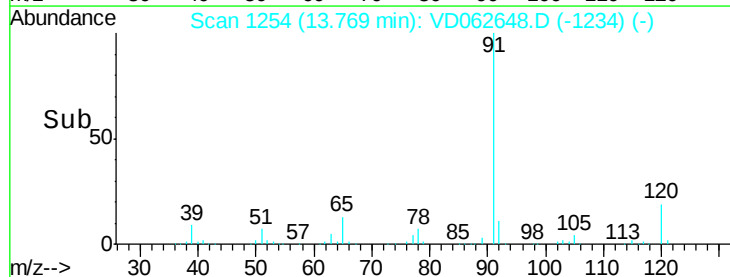
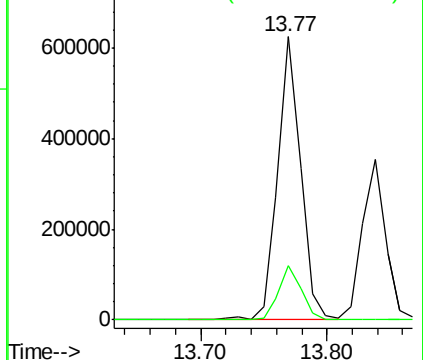
91 100

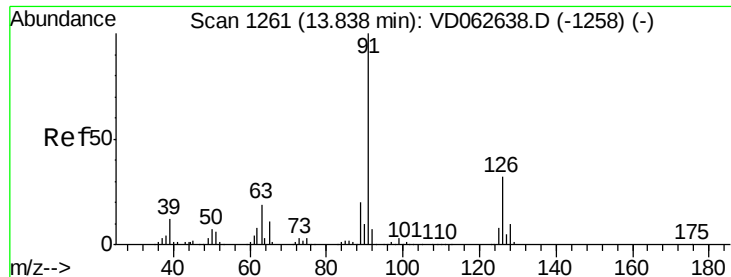
120 19.4 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.140 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062648.D

Acq: 10 Jun 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

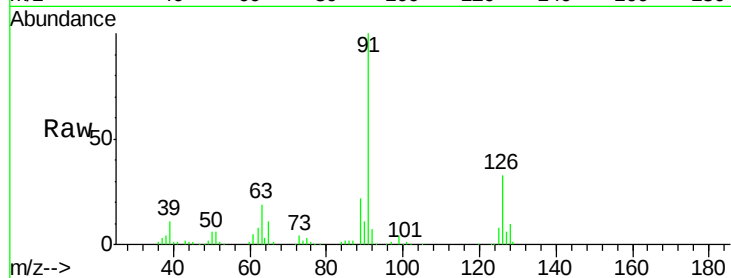
VD0610SBS01

Tgt Ion: 91 Resp: 455407

Ion Ratio Lower Upper

91 100

126 33.3 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)

600000

400000

200000

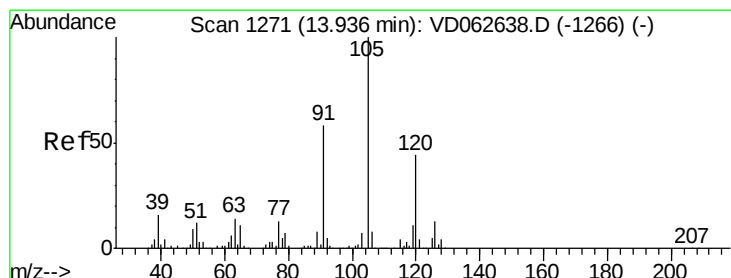
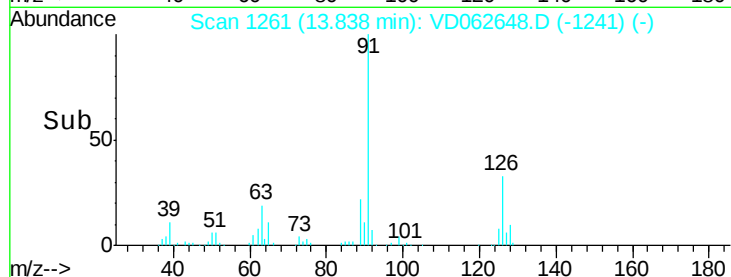
0

13.84

13.85

13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.411 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062648.D

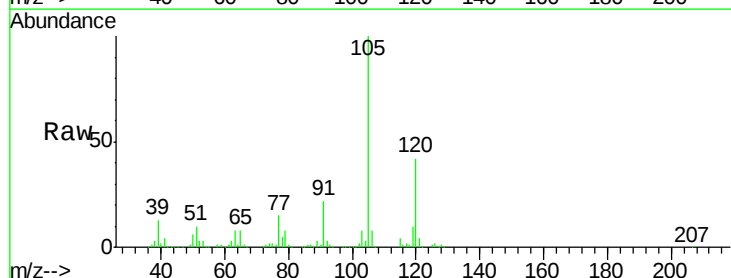
Acq: 10 Jun 2019 12:50

Tgt Ion: 105 Resp: 597009

Ion Ratio Lower Upper

105 100

120 42.1 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)

500000

400000

300000

200000

100000

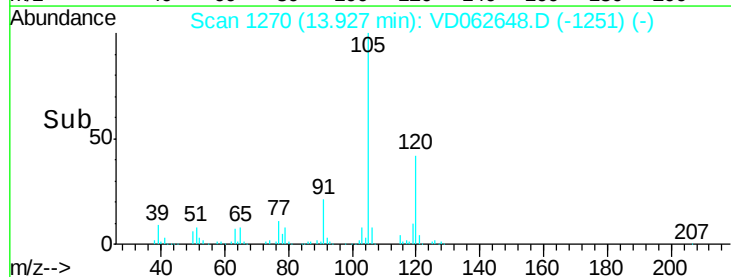
0

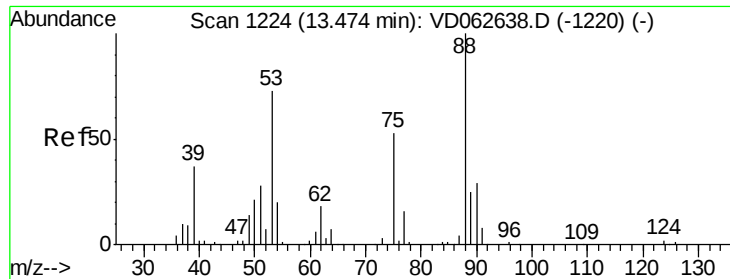
13.93

13.90

14.00

Time-->

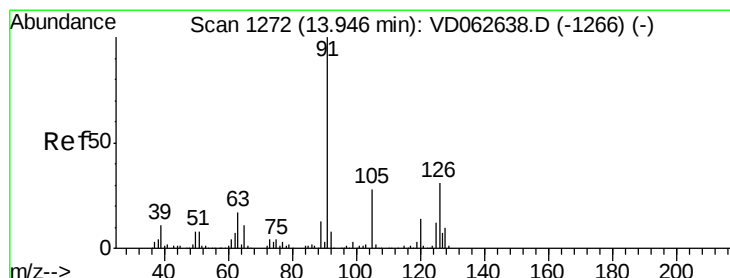
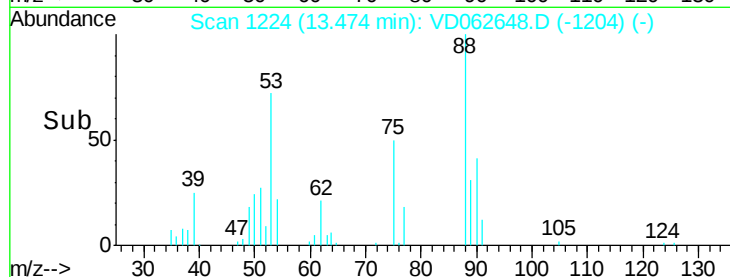
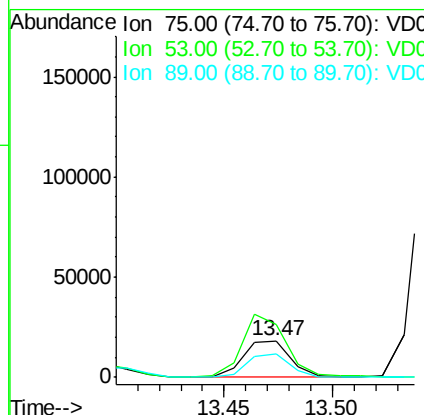
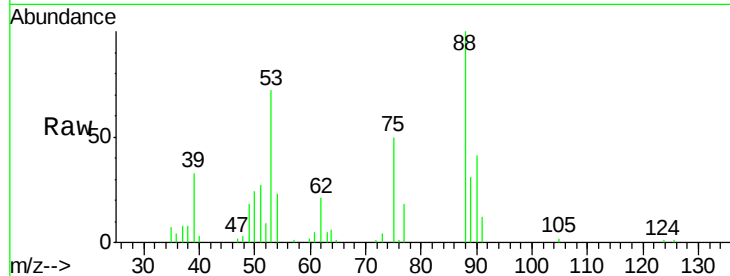




#81
trans-1,4-Dichloro-2-butene
Concen: 18.075 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

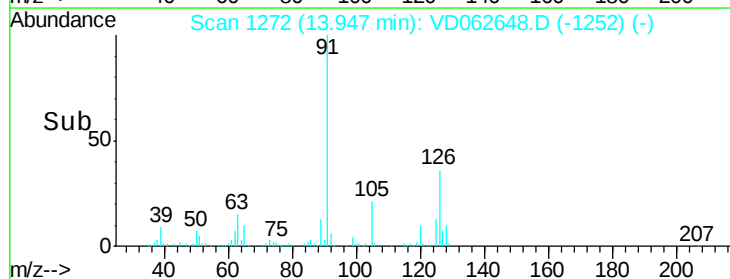
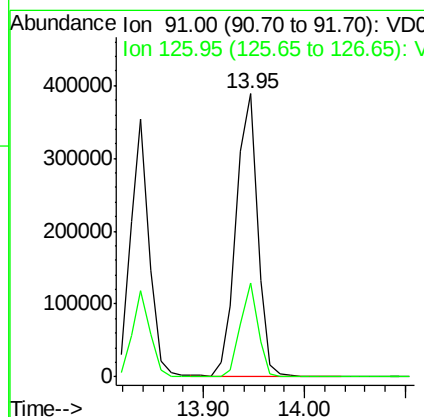
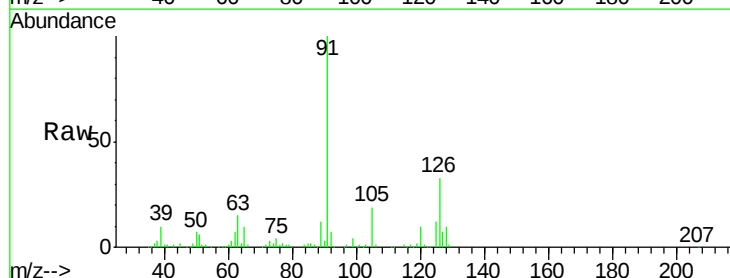
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

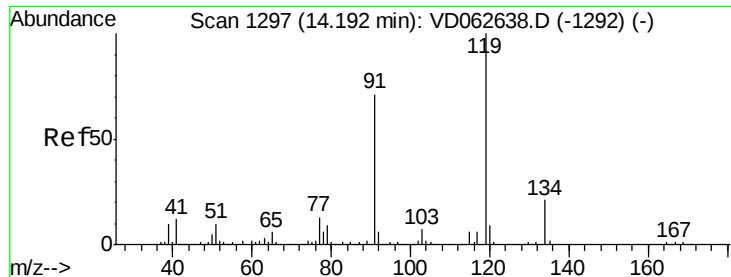
Tgt Ion: 75 Resp: 27679
Ion Ratio Lower Upper
75 100
53 144.8 109.4 164.2
89 62.7 37.0 55.6#



#82
4-Chlorotoluene
Concen: 21.176 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion: 91 Resp: 572616
Ion Ratio Lower Upper
91 100
126 33.0 15.6 46.8

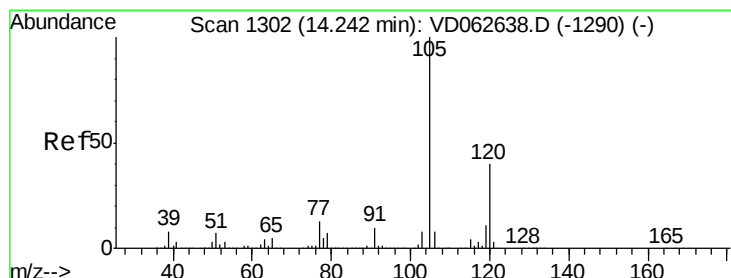
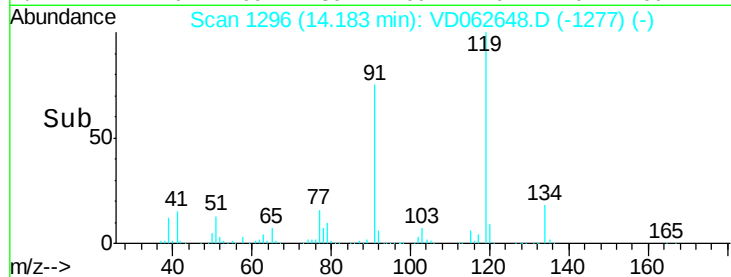
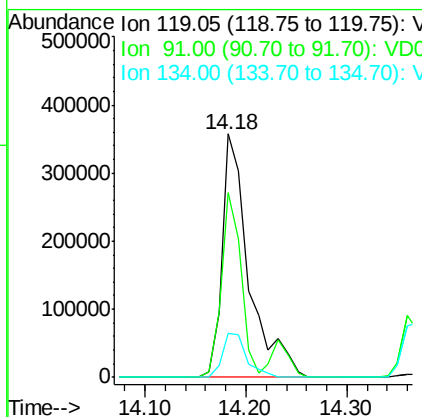
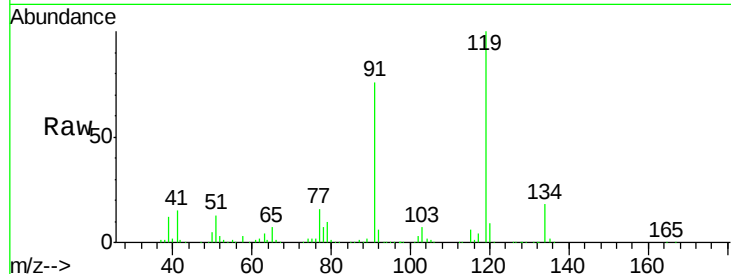




#83
 tert-Butylbenzene
 Concen: 21.557 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

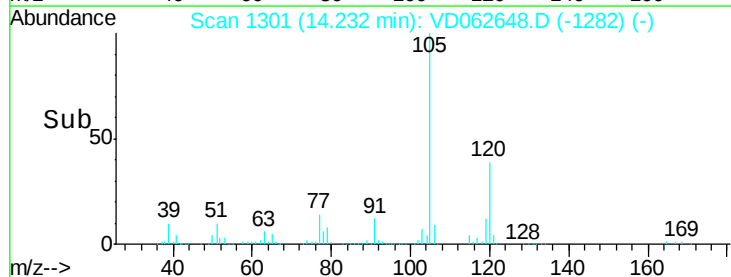
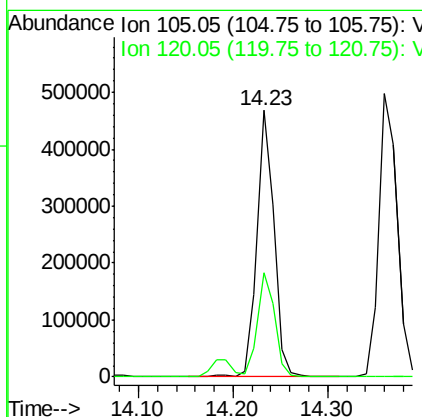
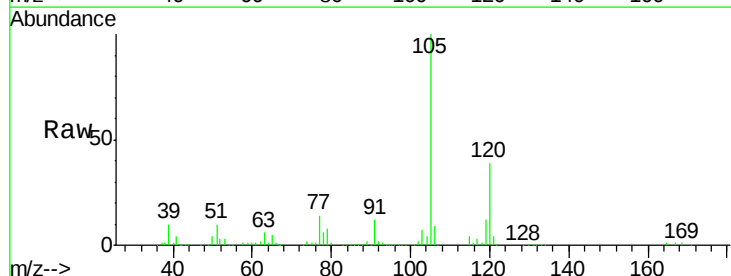
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

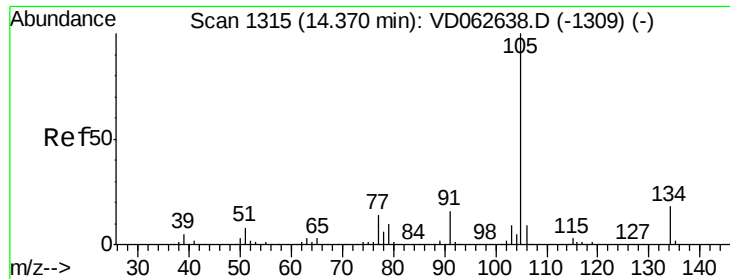
Tgt Ion:119 Resp: 662970
 Ion Ratio Lower Upper
 119 100
 91 75.7 35.4 106.1
 134 18.2 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.242 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion:105 Resp: 586436
 Ion Ratio Lower Upper
 105 100
 120 39.0 20.3 60.8

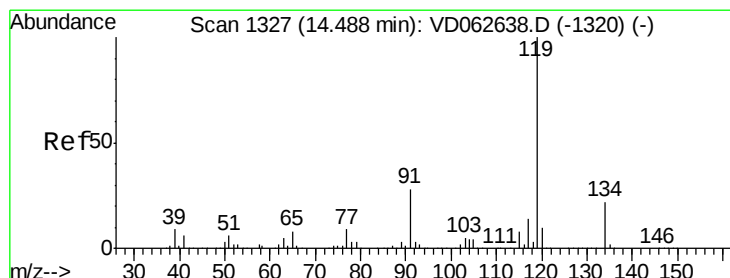
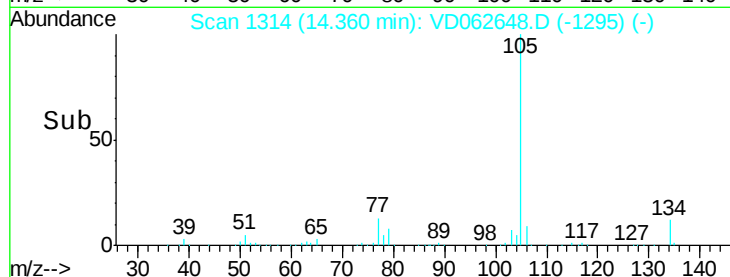
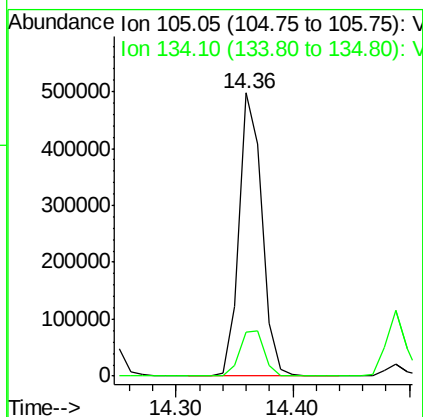
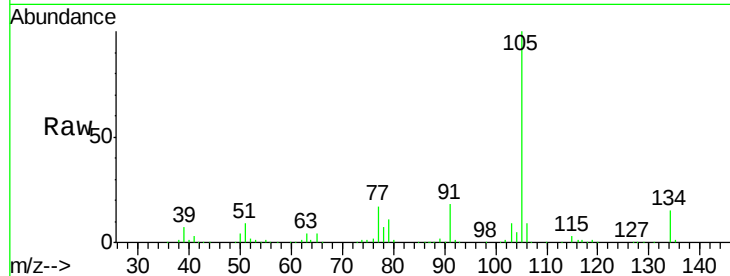




#85
 sec-Butylbenzene
 Concen: 20.905 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

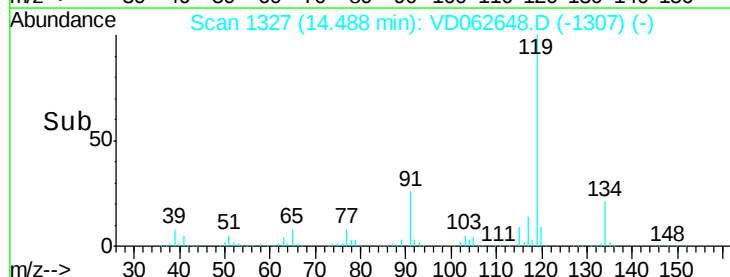
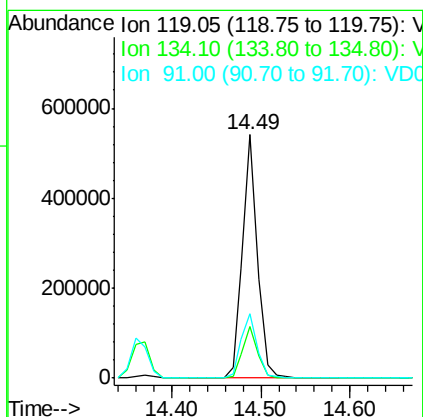
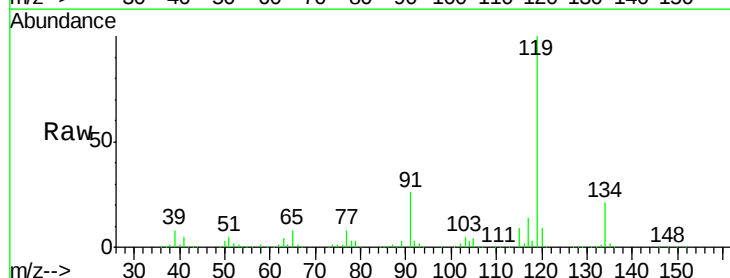
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

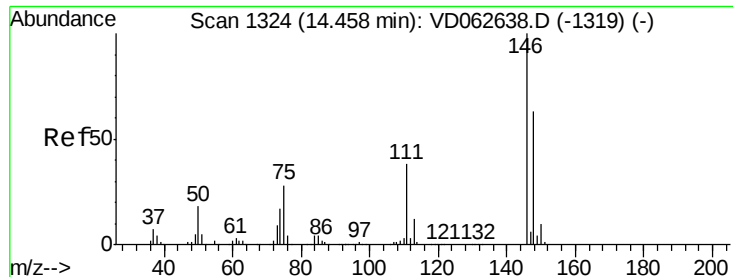
Tgt Ion:105 Resp: 674147
 Ion Ratio Lower Upper
 105 100
 134 15.3 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 20.216 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion:119 Resp: 634742
 Ion Ratio Lower Upper
 119 100
 134 21.2 10.9 32.6
 91 26.5 13.9 41.6

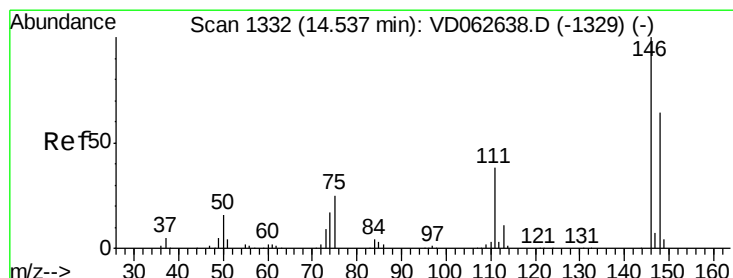
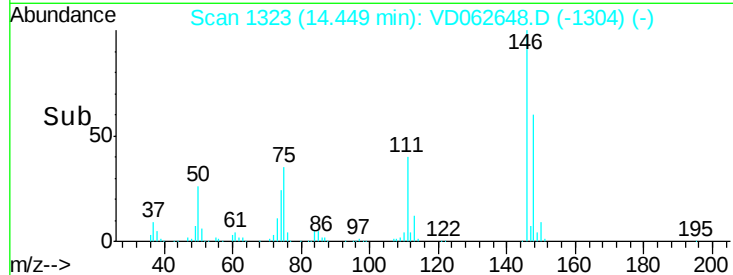
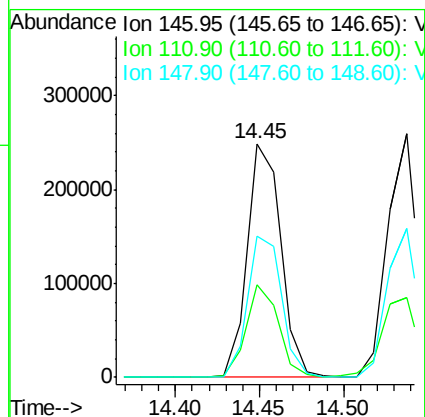
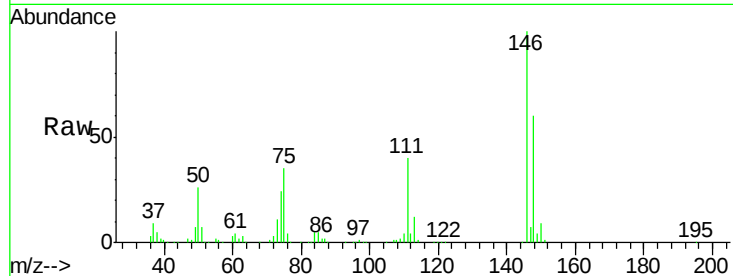




#87
 1,3-Dichlorobenzene
 Concen: 21.214 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

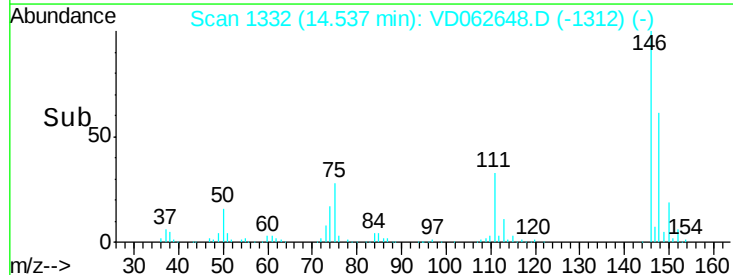
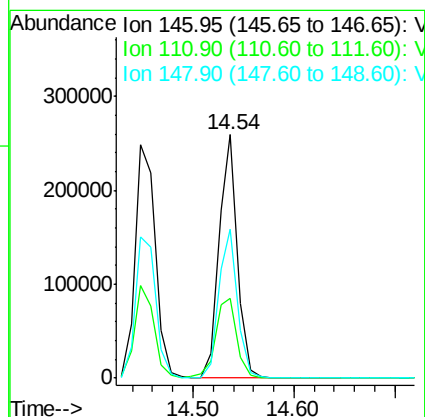
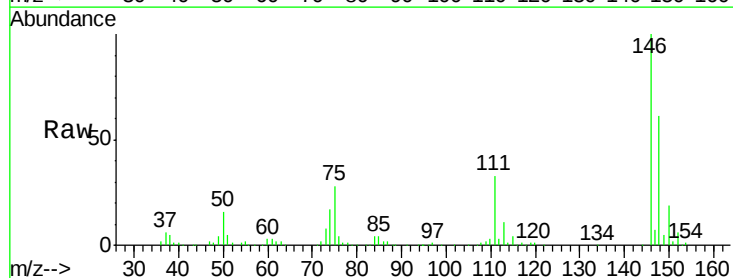
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

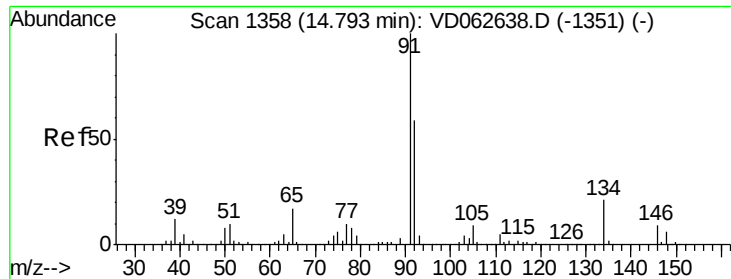
Tgt Ion:146 Resp: 346540
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.2 57.6
 148 60.4 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 21.390 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion:146 Resp: 330223
 Ion Ratio Lower Upper
 146 100
 111 32.6 18.9 56.7
 148 61.4 32.3 96.8

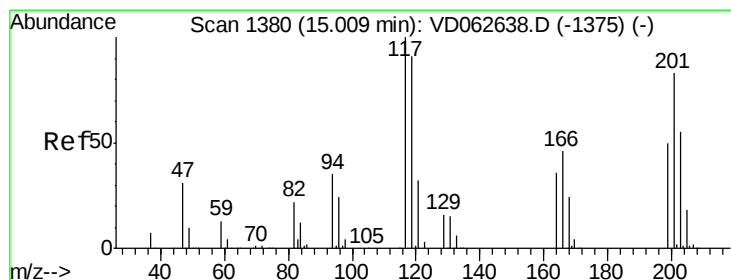
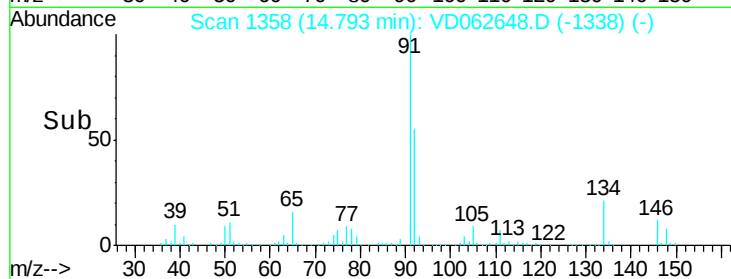
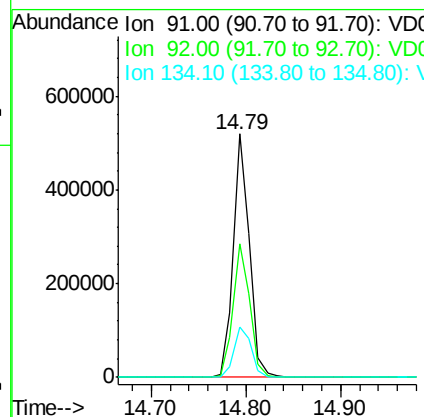
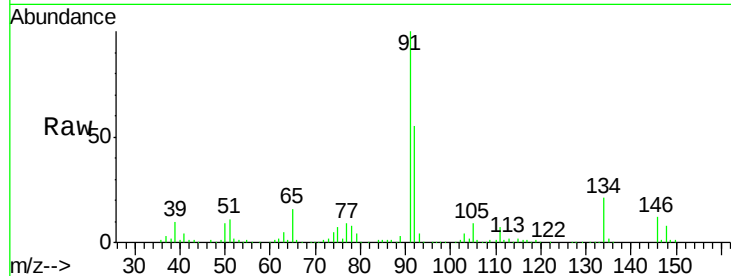




#89
n-Butylbenzene
Concen: 21.545 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

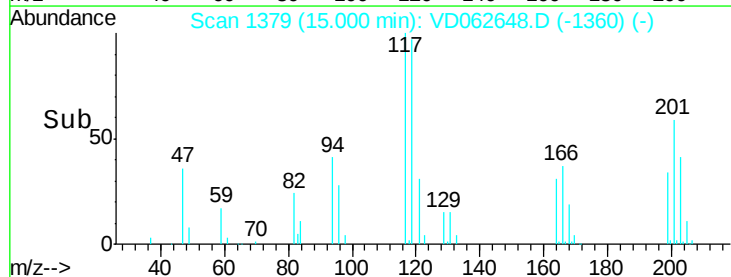
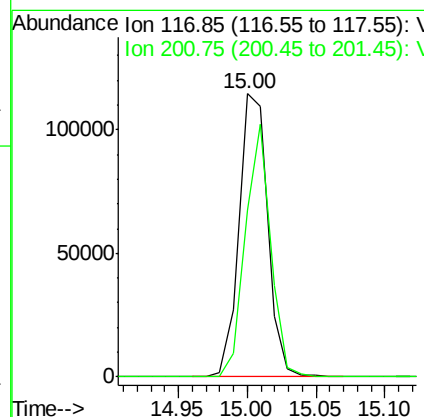
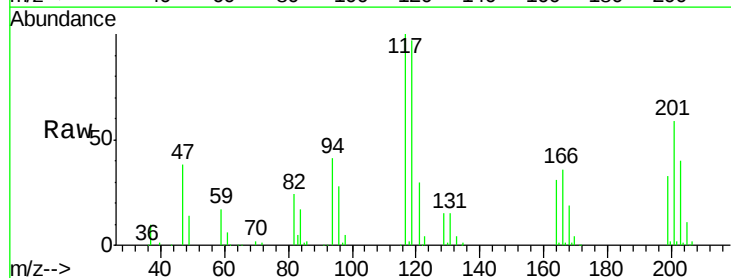
Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

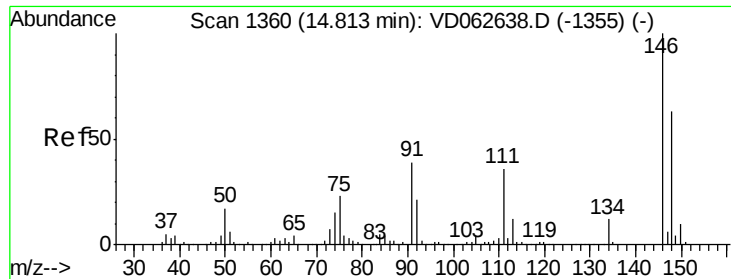
Tgt Ion: 91 Resp: 608562
Ion Ratio Lower Upper
91 100
92 54.6 29.4 88.3
134 20.6 10.4 31.2



#90
Hexachloroethane
Concen: 20.116 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion: 117 Resp: 166738
Ion Ratio Lower Upper
117 100
201 59.0 41.5 124.6

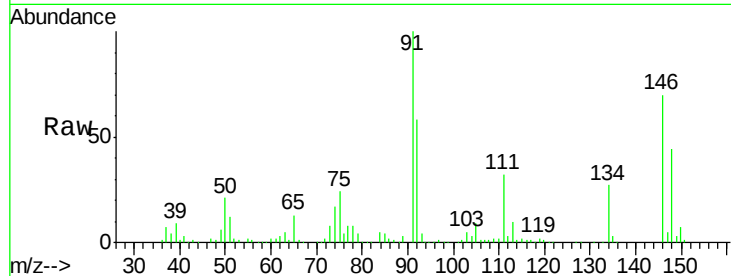




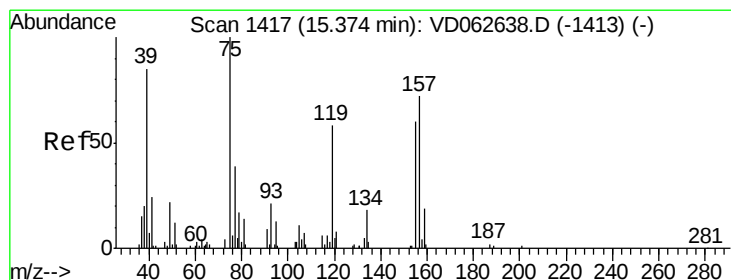
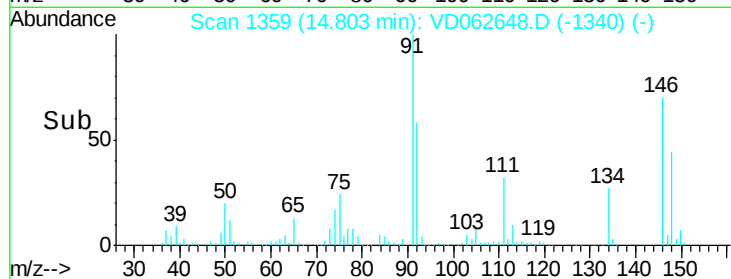
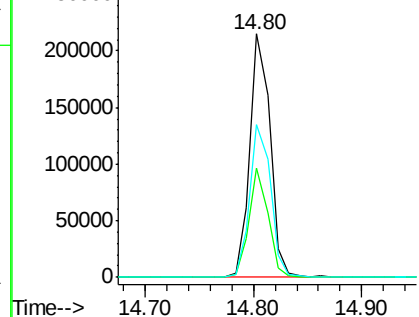
#91
 1,2-Dichlorobenzene
 Concen: 20.680 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

Tgt Ion: 146 Resp: 280818
 Ion Ratio Lower Upper
 146 100
 111 45.0 18.1 54.3
 148 62.5 31.4 94.0

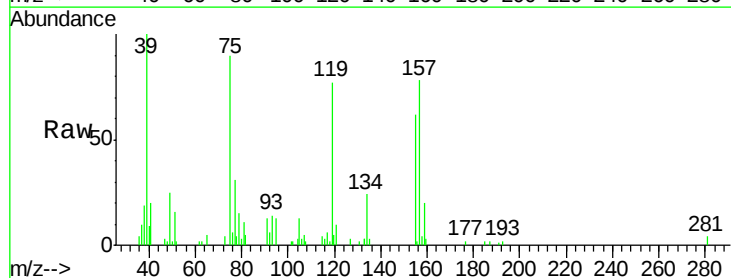


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

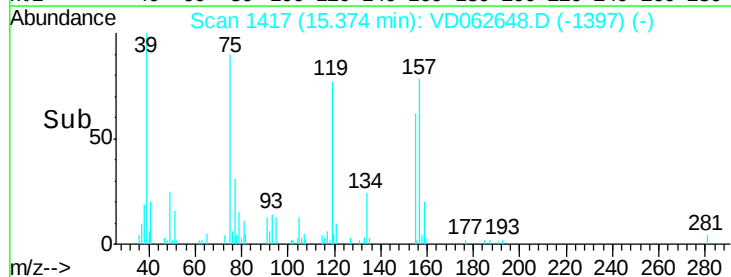
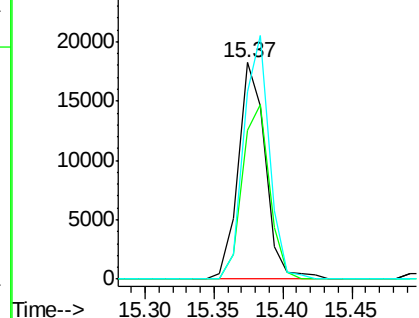


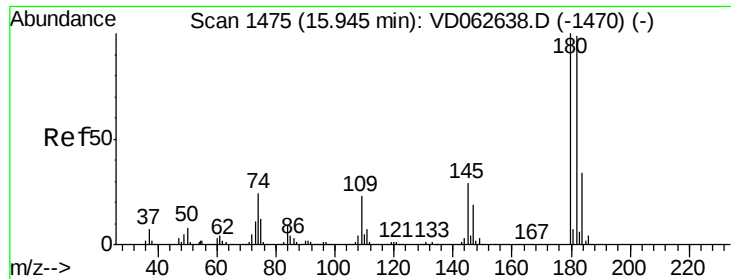
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.728 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion: 75 Resp: 25055
 Ion Ratio Lower Upper
 75 100
 155 68.7 30.1 90.5
 157 86.5 35.9 107.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

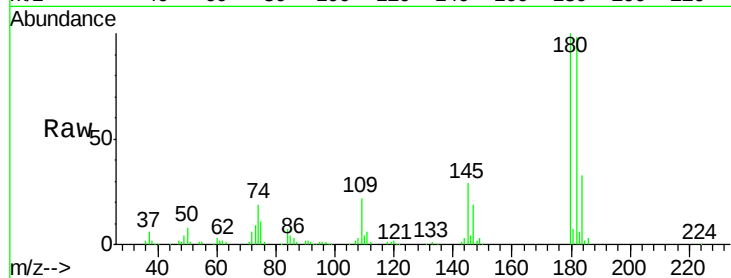




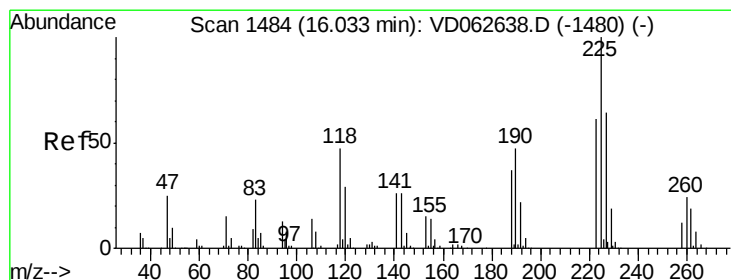
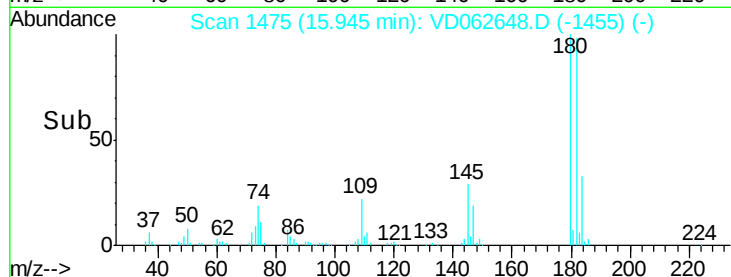
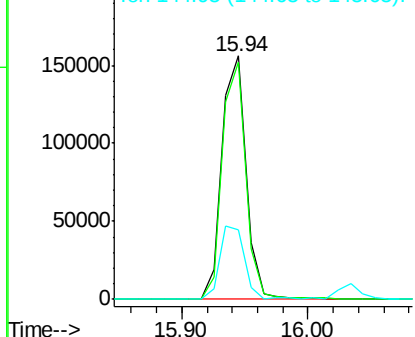
#93
 1,2,4-Trichlorobenzene
 Concen: 20.307 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0610SBS01

Tgt Ion:180 Resp: 207636
 Ion Ratio Lower Upper
 180 100
 182 97.6 49.4 148.2
 145 28.7 14.5 43.6

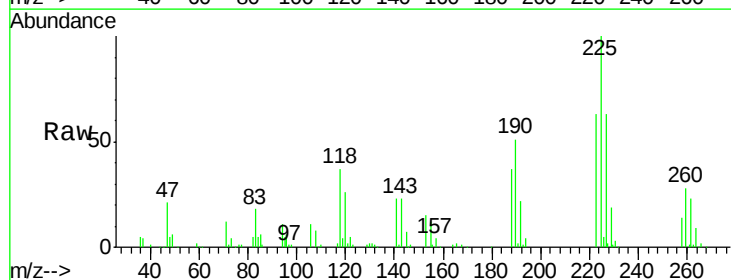


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

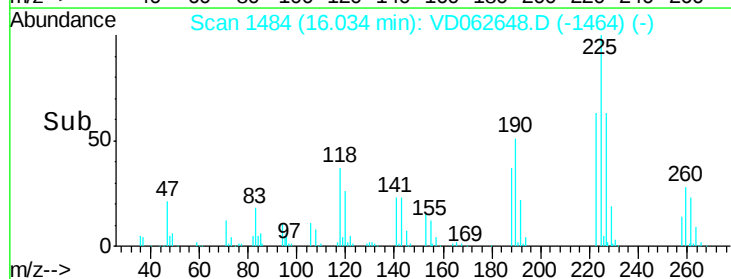
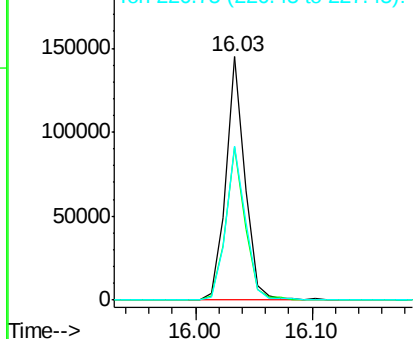


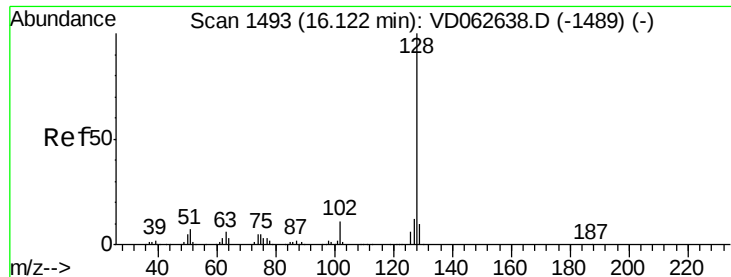
#94
 Hexachlorobutadiene
 Concen: 20.521 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062648.D
 Acq: 10 Jun 2019 12:50

Tgt Ion:225 Resp: 164521
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.3 91.0
 227 63.1 31.8 95.4



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

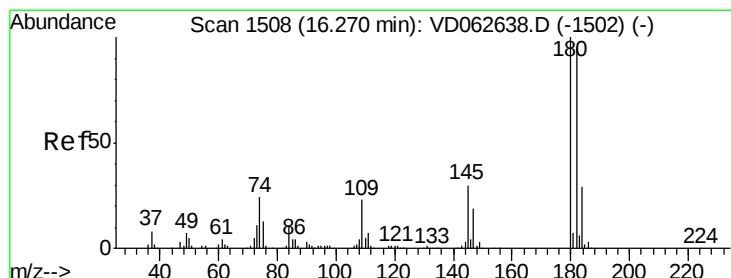
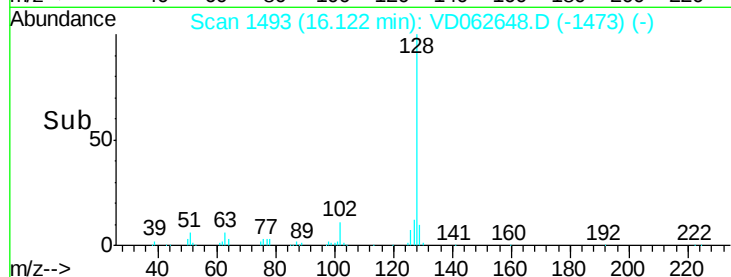
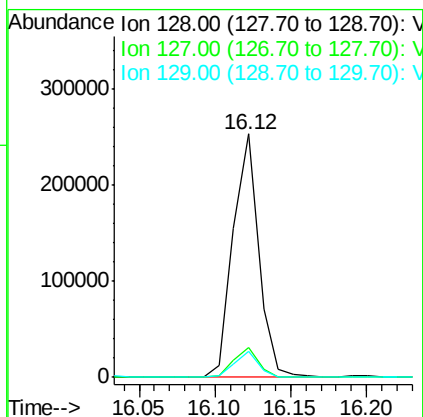
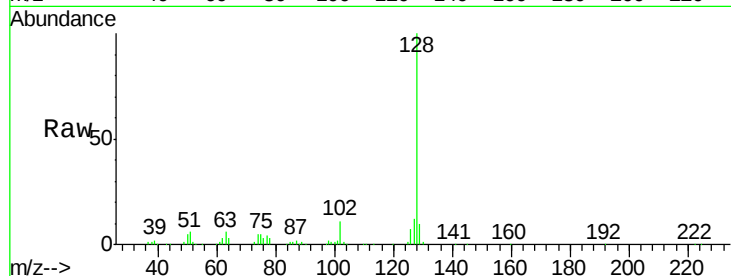




#95
Naphthalene
Concen: 20.517 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0610SBS01

Tgt Ion:128 Resp: 297733
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 10.4 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 19.896 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062648.D
Acq: 10 Jun 2019 12:50

Tgt Ion:180 Resp: 155620
Ion Ratio Lower Upper
180 100
182 94.0 47.7 143.1
145 29.2 15.0 45.0

