

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062601.D
 Acq On : 4 Jun 2019 16:38
 Operator : FY/SY
 Sample : K3183-01
 Misc : 4.97g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 05 03:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	23798	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	34232	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	32656	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	19078	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	20716	74.24	ug/l	-0.03
Spiked Amount			Recovery	=	148.48%	
35) Dibromofluoromethane	6.92	113	14623	46.88	ug/l	-0.02
Spiked Amount			Recovery	=	93.76%	
50) Toluene-d8	10.40	98	29257	42.81	ug/l	-0.02
Spiked Amount			Recovery	=	85.62%	
62) 4-Bromofluorobenzene	13.55	95	16548	53.69	ug/l	-0.01
Spiked Amount			Recovery	=	107.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	1486	1.770	ug/l #	53
5) Bromomethane	2.16	94	1879	27.443	ug/l #	61
6) Chloroethane	2.21	64	222	2.245	ug/l #	45
8) Diethyl Ether	2.92	74	182	3.184	ug/l	100
10) Methyl Iodide	3.30	142	7336	24.572	ug/l #	55
11) Tert butyl alcohol	4.09	59	248	20.837	ug/l #	80
12) 1,1-Dichloroethene	3.13	96	284	1.526	ug/l #	10
13) Acrolein	3.01	56	195	37.603	ug/l #	81
15) Acrylonitrile	4.21	53	200	7.030	ug/l #	11
16) Acetone	3.22	43	39063	712.497	ug/l	95
18) Methyl Acetate	3.63	43	5959	66.593	ug/l #	63
20) Methylene Chloride	3.80	84	682	3.360	ug/l #	50
25) 2-Butanone	6.06	43	233	4.512	ug/l #	62
29) Tetrahydrofuran	6.46	42	181	7.825	ug/l #	33
36) 1,1-Dichloropropene	7.03	75	1745	5.121	ug/l #	41
37) Ethyl Acetate	6.06	43	233	1.622	ug/l #	72
38) Carbon Tetrachloride	7.03	117	3169	6.246	ug/l #	15
41) Methacrylonitrile	6.43	41	183	1.082	ug/l #	34
43) Isopropyl Acetate	9.11	43	180	1.007	ug/l #	50
48) Methyl methacrylate	8.97	41	187	1.570	ug/l #	18
52) Toluene	10.49	92	1466	3.214	ug/l #	39
55) 1,1,2-Trichloroethane	11.20	97	191	1.275	ug/l #	16
59) 2-Hexanone	11.52	43	447	5.109	ug/l #	32
65) Chlorobenzene	12.39	112	770	1.210	ug/l #	41
67) Ethyl Benzene	12.52	91	2353	2.019	ug/l	99
68) m/p-Xylenes	12.67	106	1655	4.105	ug/l	79
70) Styrene	13.07	104	873	1.337	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	13.70	83	205	1.028	ug/l #	25
76) 1,2,3-Trichloropropane	13.71	75	567	2.477	ug/l #	42
77) Bromobenzene	13.66	156	405	1.174	ug/l #	60
78) n-propylbenzene	13.77	91	1930	1.331	ug/l #	57
79) 2-Chlorotoluene	13.95	91	1263	1.502	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.55	75	7308	111.430	ug/l #	5
82) 4-Chlorotoluene	13.95	91	1263	1.255	ug/l	95

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QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

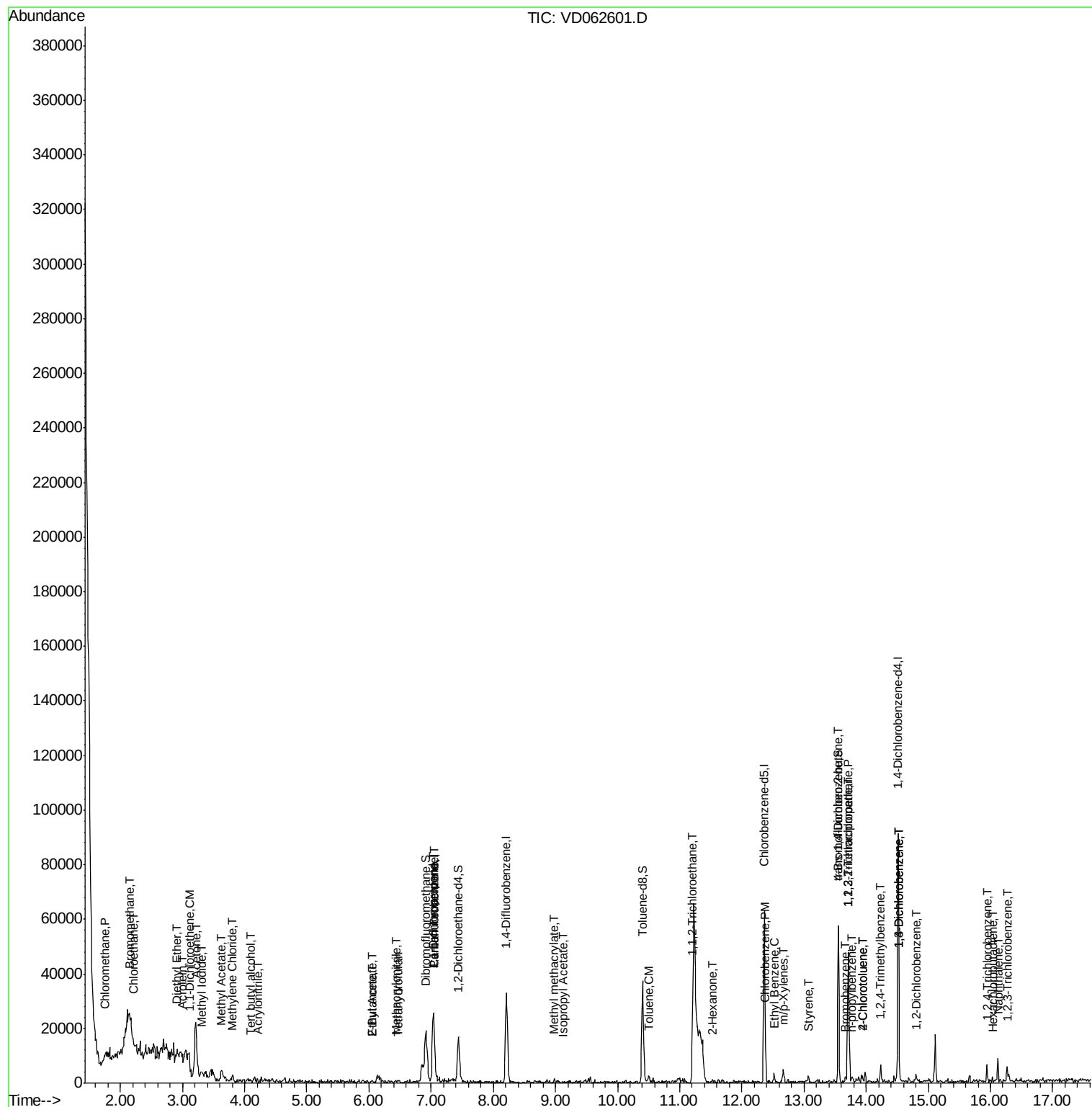
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	14.23	105	3550	3.242	ug/l	75
87) 1,3-Dichlorobenzene	14.54	146	1289	2.156	ug/l	91
88) 1,4-Dichlorobenzene	14.54	146	1289	2.152	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	764	1.519	ug/l #	65
93) 1,2,4-Trichlorobenzene	15.94	180	1885	4.688	ug/l	89
94) Hexachlorobutadiene	16.03	225	552	1.860	ug/l	85
95) Naphthalene	16.12	128	4620	8.437	ug/l #	92
96) 1,2,3-Trichlorobenzene	16.27	180	1164	3.875	ug/l #	72

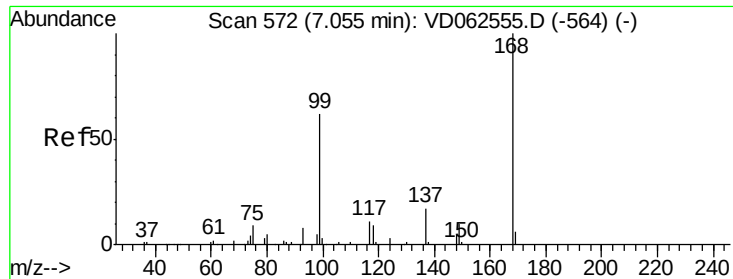
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

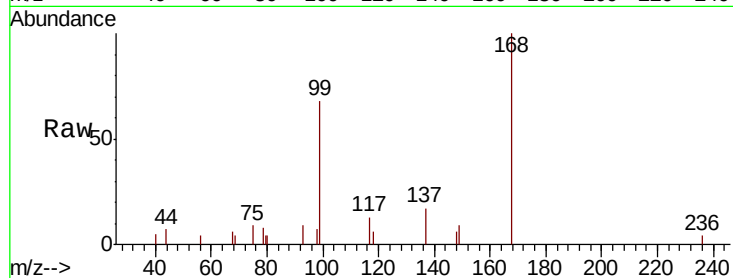
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 23798

Ion Ratio Lower Upper

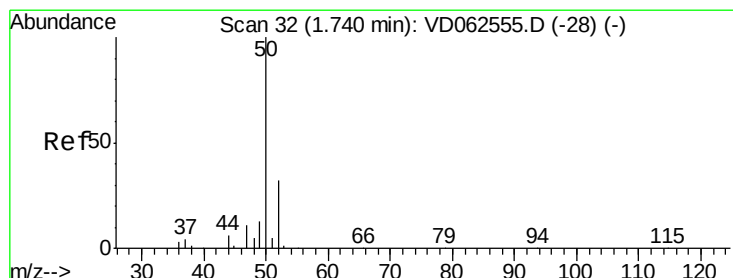
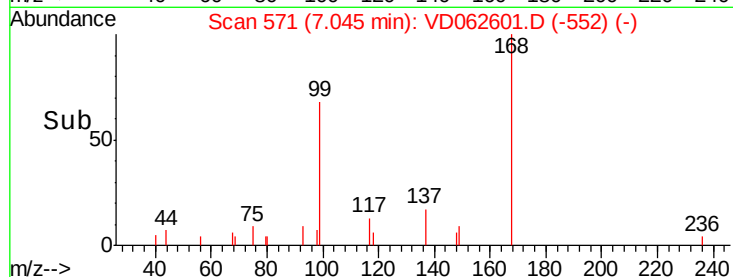
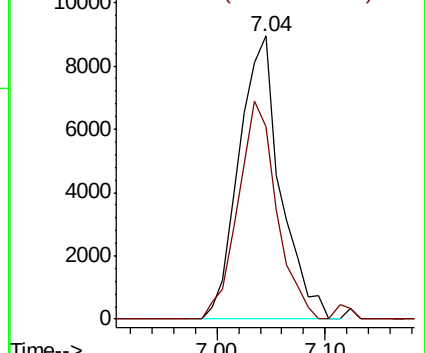
168 100

99 67.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.770 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062601.D

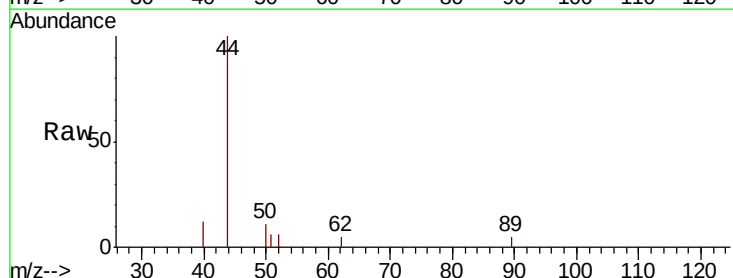
Acq: 4 Jun 2019 16:38

Tgt Ion: 50 Resp: 1486

Ion Ratio Lower Upper

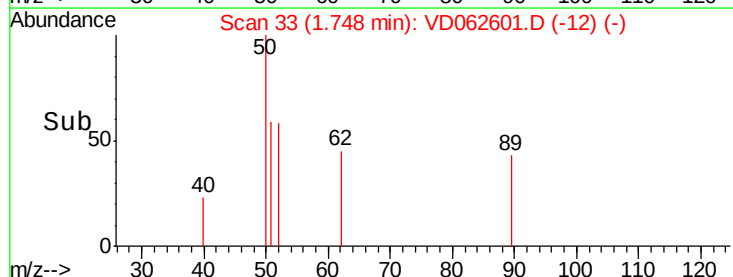
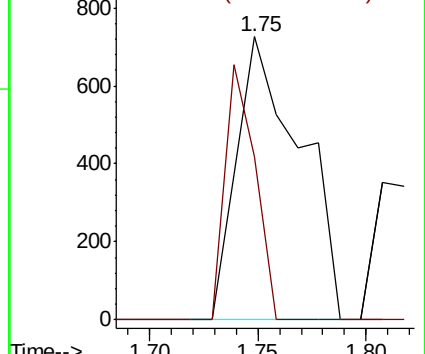
50 100

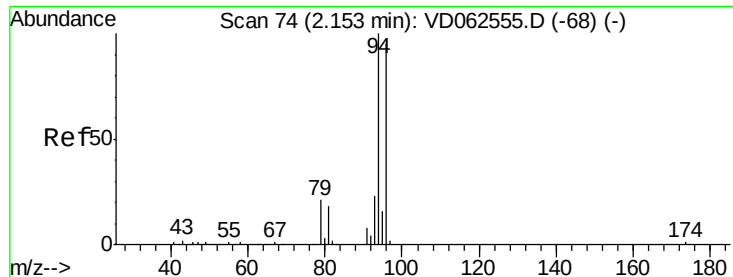
52 57.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 27.443 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :

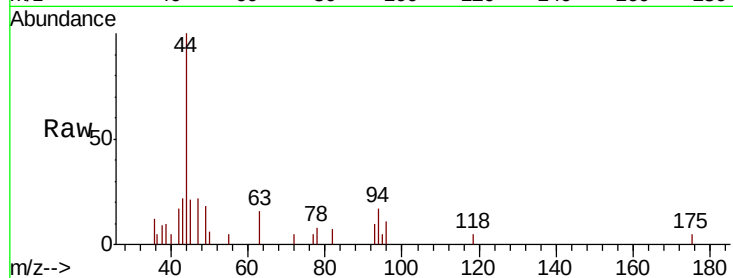
Tot Ion: 94 Resp: 1879

Ion Ratio Lower Upper

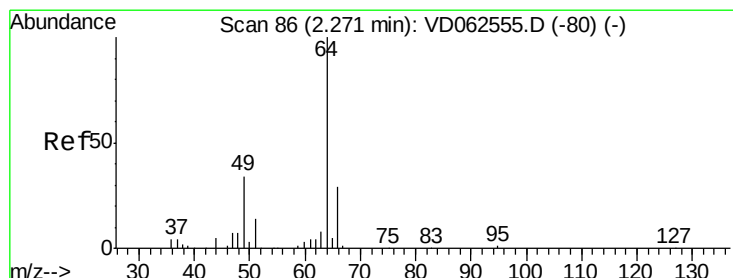
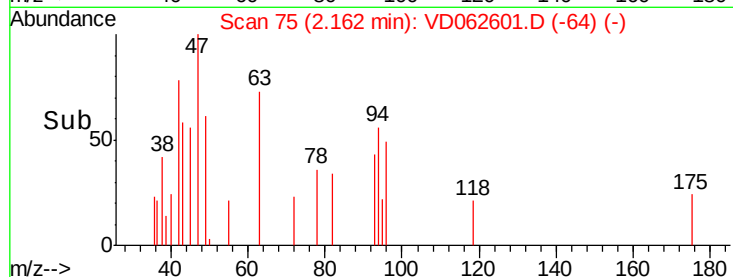
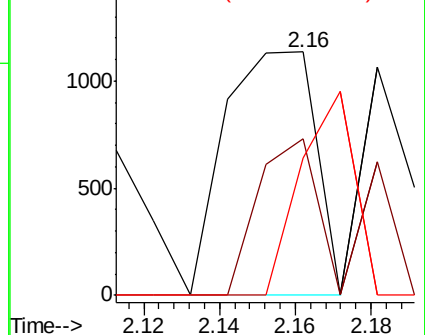
94 100

96 64.3 76.2 114.4#

93 56.5 18.4 27.6#



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: 2.245 ug/l

RT: 2.21 min Scan# 80

Delta R.T. -0.06 min

Lab File: VD062601.D

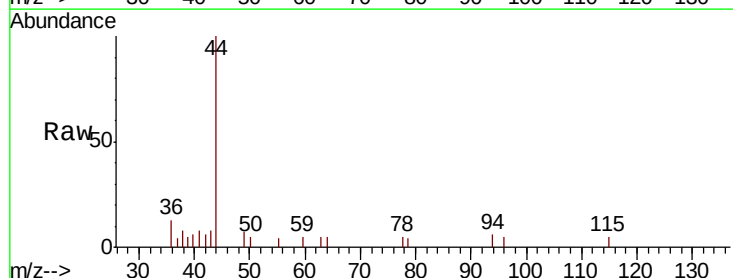
Acq: 4 Jun 2019 16:38

Tgt Ion: 64 Resp: 222

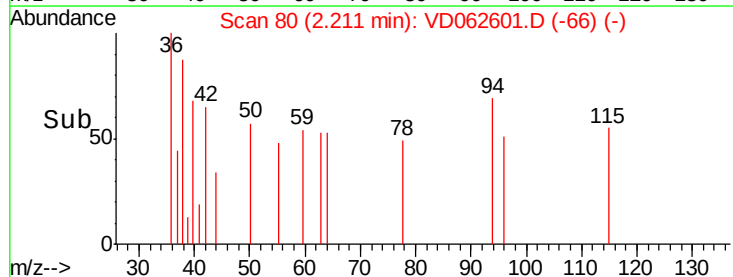
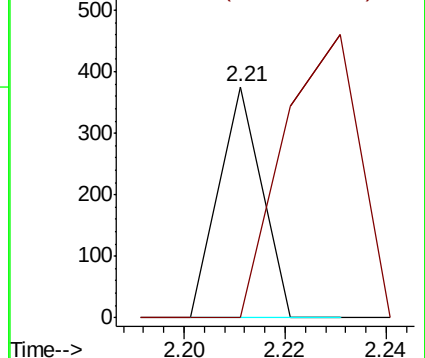
Ion Ratio Lower Upper

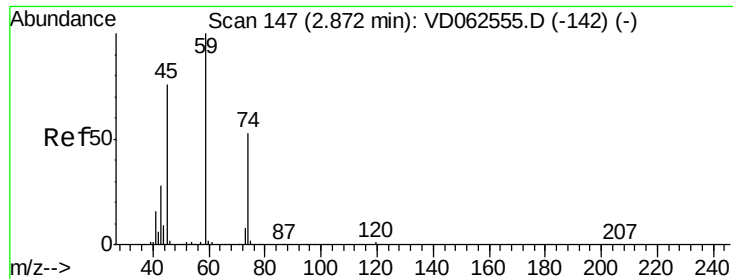
64 100

66 0.0 23.4 35.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#8

Diethyl Ether

Concen: 3.184 ug/l

RT: 2.92 min Scan# 152

Delta R.T. 0.05 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

Instrument :

MSVOA_D

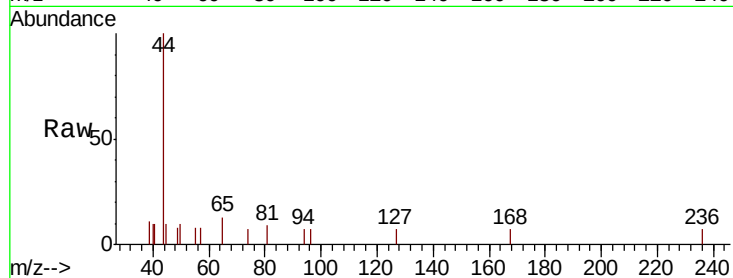
ClientSampleId :

Tot Ion: 74 Resp: 182

Ion Ratio Lower Upper

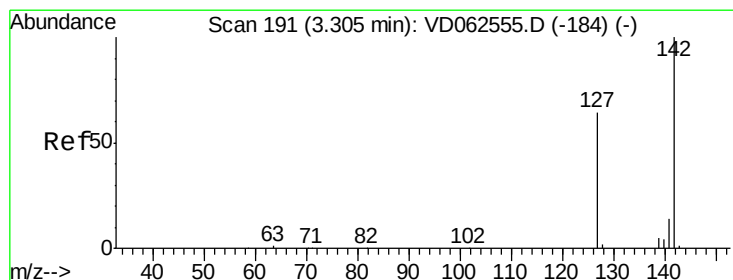
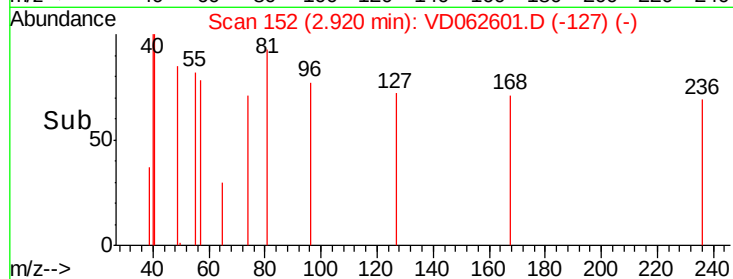
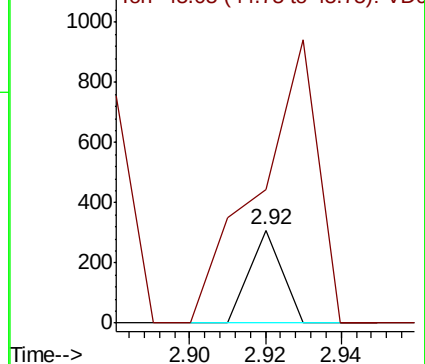
74 100

45 144.3 71.9 215.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 24.572 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

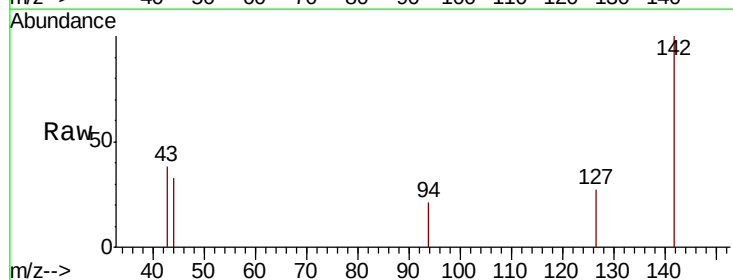
Tgt Ion: 142 Resp: 7336

Ion Ratio Lower Upper

142 100

127 26.7 51.2 76.8#

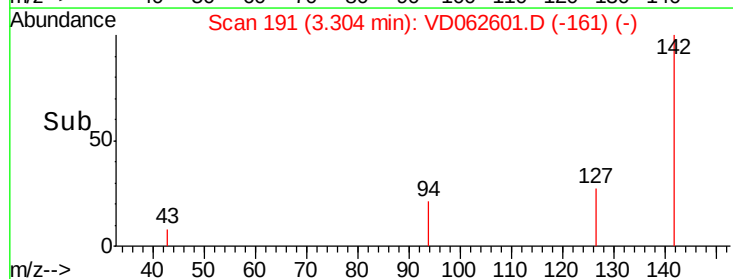
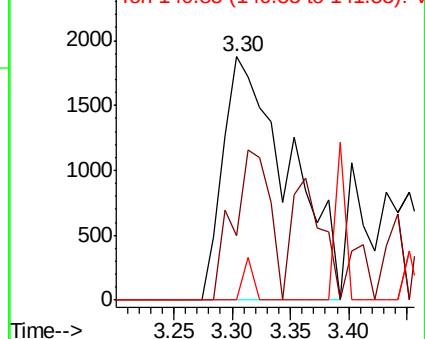
141 0.0 11.0 16.4#

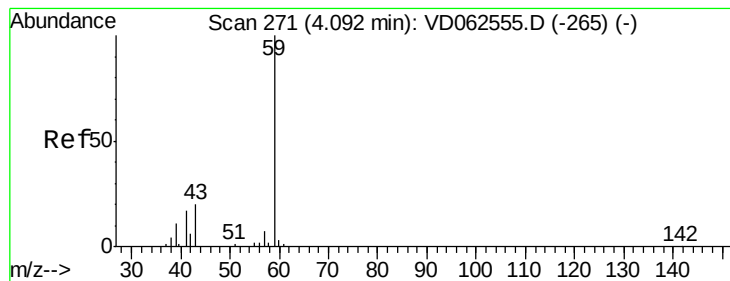


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



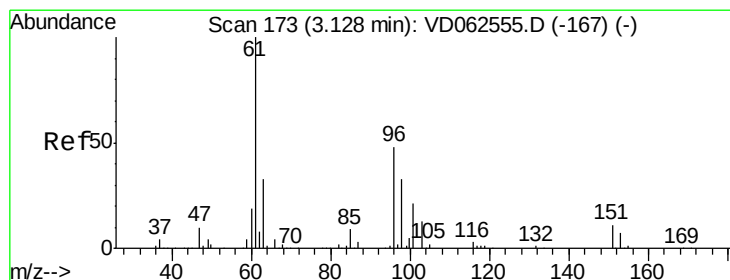
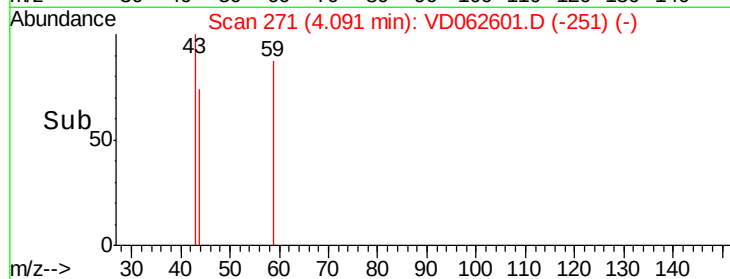
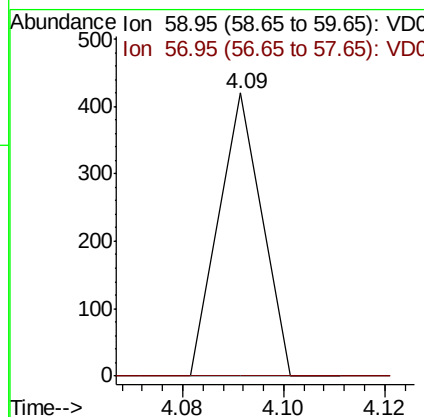
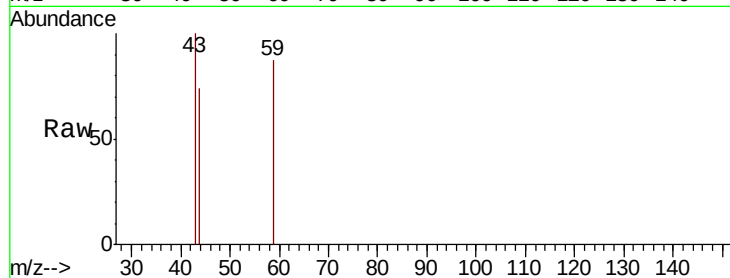


#11

Tert butyl alcohol
 Concen: 20.837 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. -0.00 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Instrument :
 MSVOA_D
 ClientSampled :

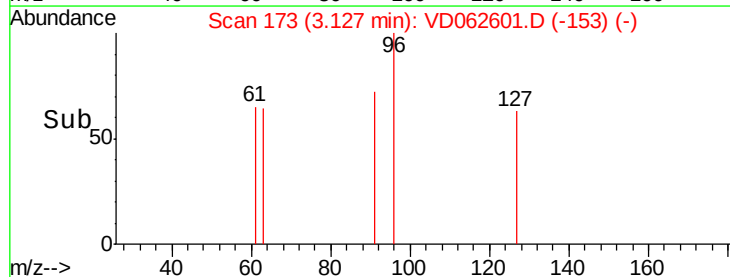
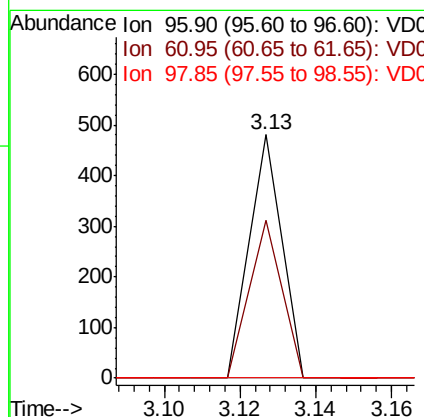
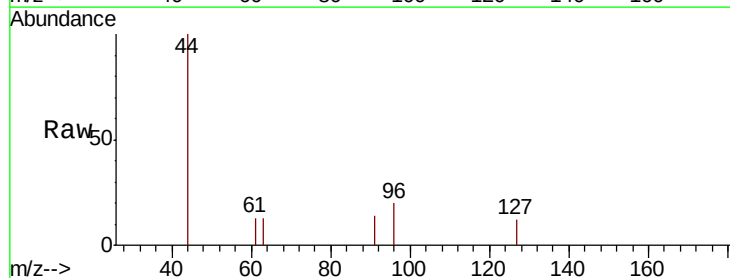
Tot Ion: 59 Resp: 248
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.4 8.0#

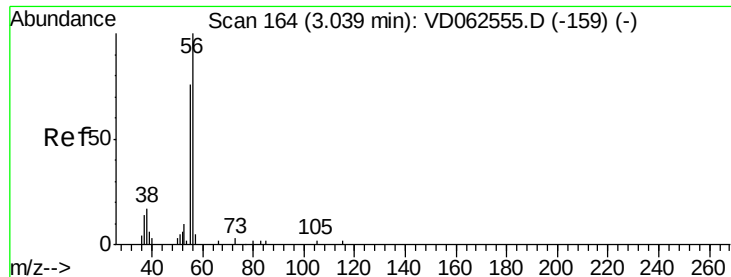


#12

1,1-Dichloroethene
 Concen: 1.526 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Tgt Ion: 96 Resp: 284
 Ion Ratio Lower Upper
 96 100
 61 64.7 166.6 250.0#
 98 0.0 54.4 81.6#





#13

Acrolein

Concen: 37.603 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.03 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

Instrument :

MSVOA_D

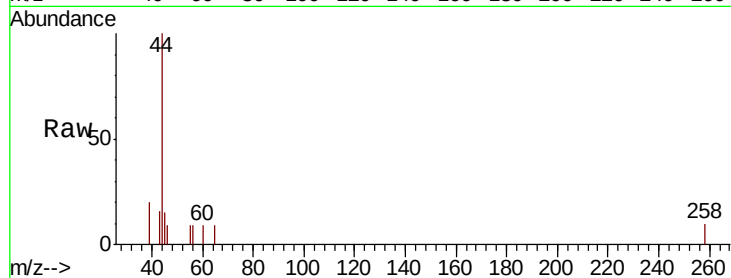
ClientSampled :

Tot Ion: 56 Resp: 195

Ion Ratio Lower Upper

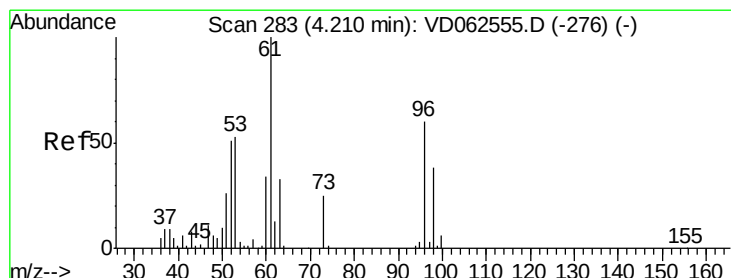
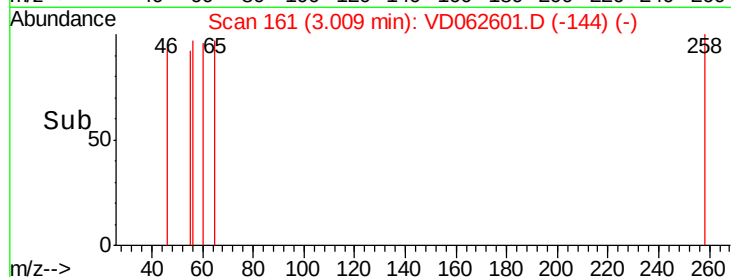
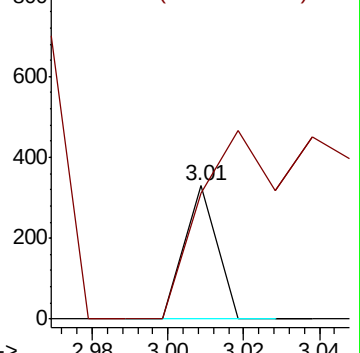
56 100

55 94.8 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 7.030 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

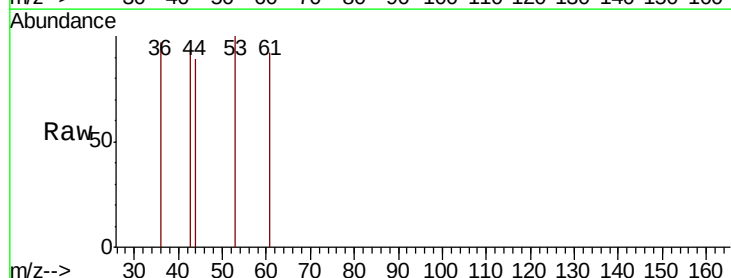
Tgt Ion: 53 Resp: 200

Ion Ratio Lower Upper

53 100

52 0.0 76.2 114.2#

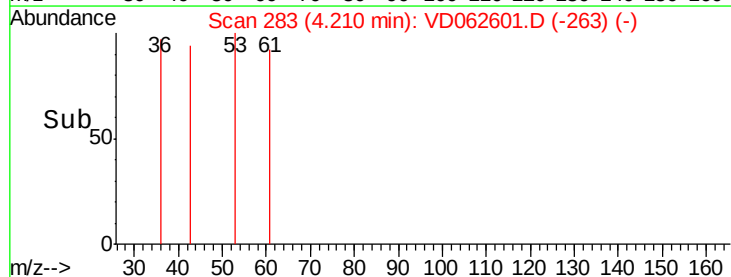
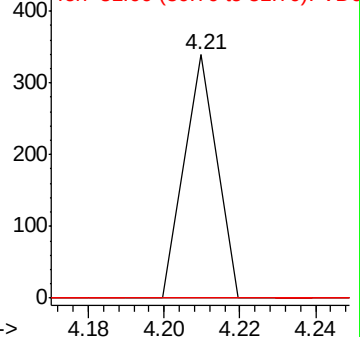
51 0.0 40.2 60.4#

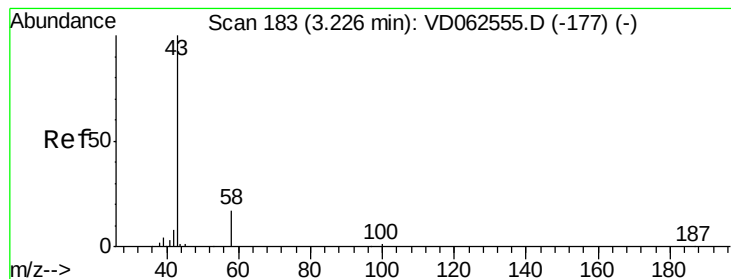


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 712.497 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

Instrument :

MSVOA_D

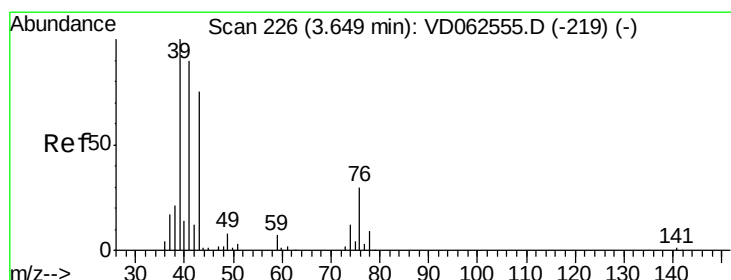
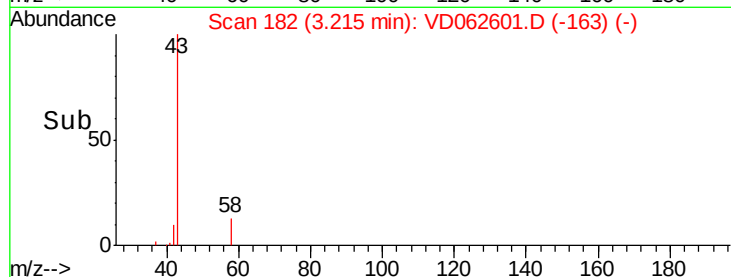
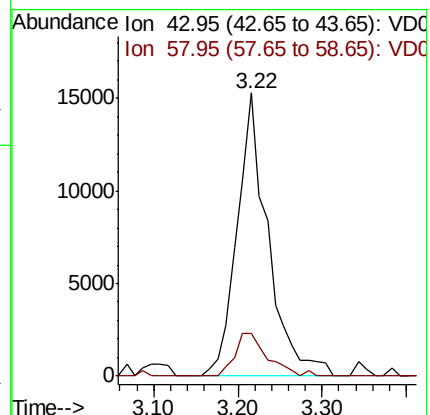
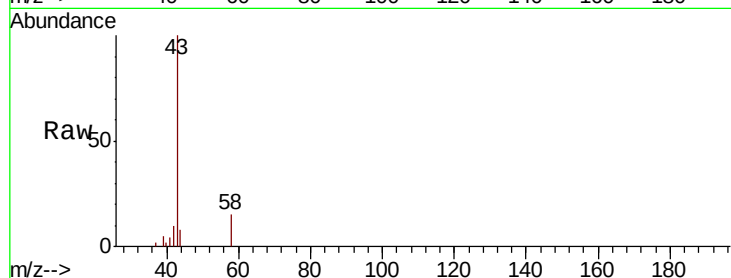
ClientSampleId :

Tot Ion: 43 Resp: 39063

Ion Ratio Lower Upper

43 100

58 15.0 13.8 20.8



#18

Methyl Acetate

Concen: 66.593 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD062601.D

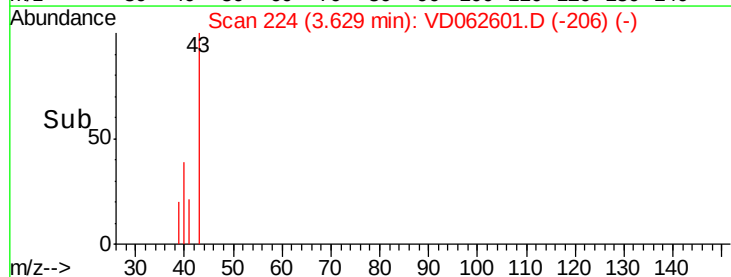
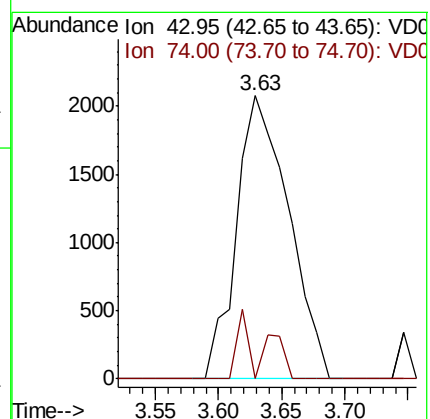
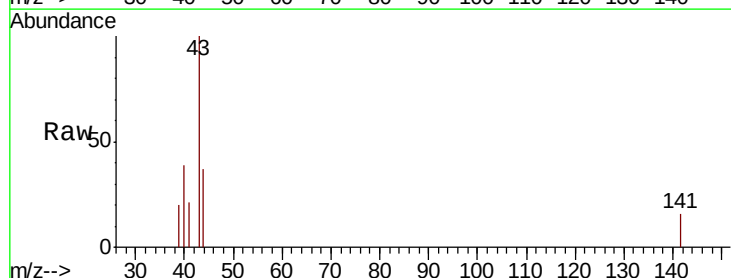
Acq: 4 Jun 2019 16:38

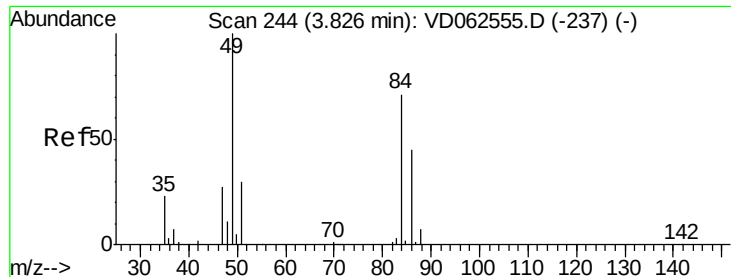
Tgt Ion: 43 Resp: 5959

Ion Ratio Lower Upper

43 100

74 0.0 12.5 18.7#

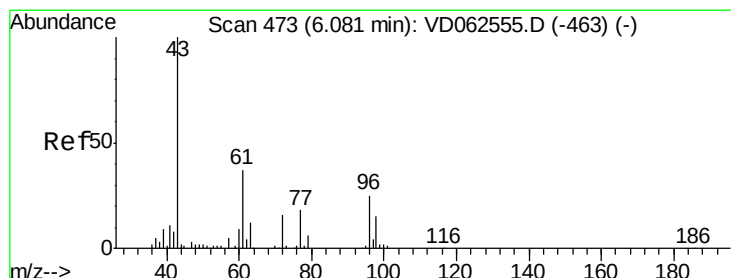
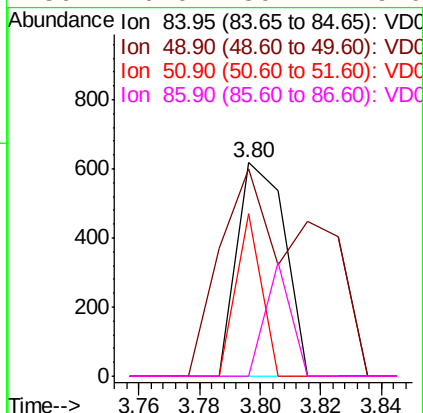
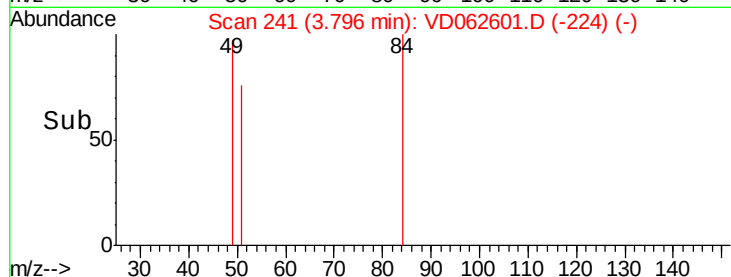
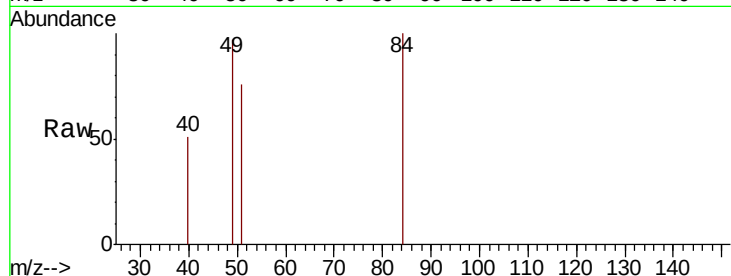




#20
Methvlene Chloride
Concen: 3.360 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

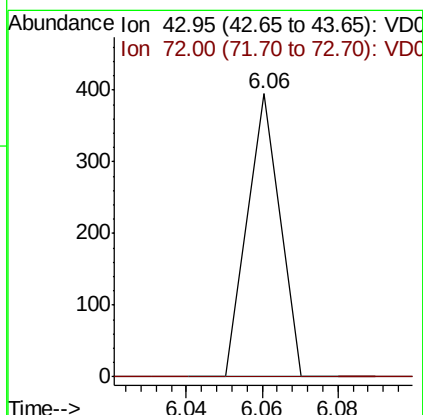
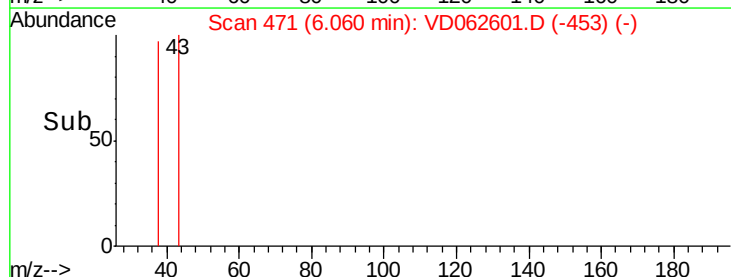
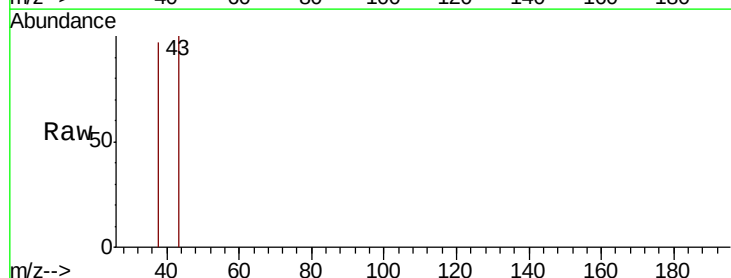
Instrument :
MSVOA_D
ClientSampleId :

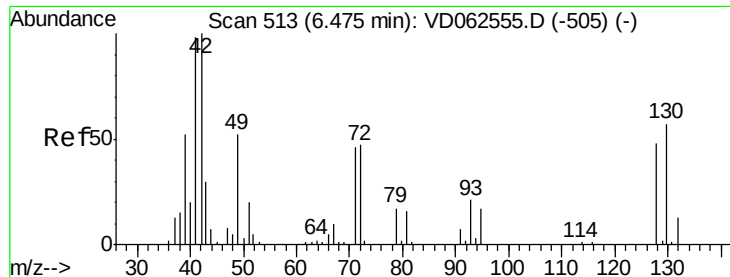
Tot Ion: 84 Resp: 682
Ion Ratio Lower Upper
84 100
49 97.2 112.3 168.5#
51 76.2 33.6 50.4#
86 0.0 50.4 75.6#



#25
2-Butanone
Concen: 4.512 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.02 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
72 0.0 12.7 19.1#

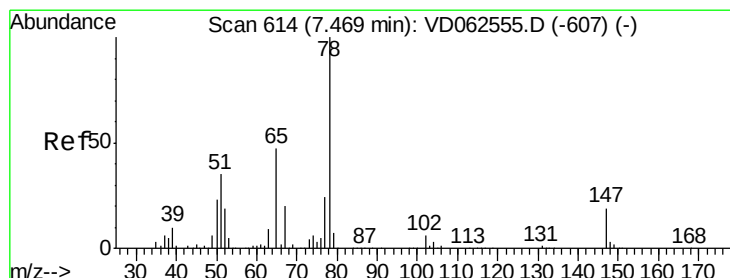
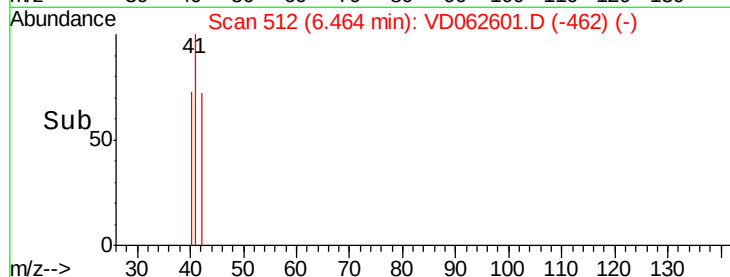
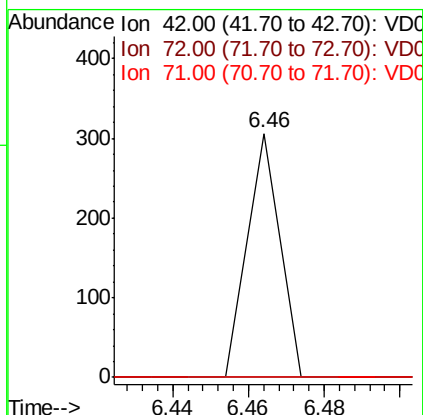
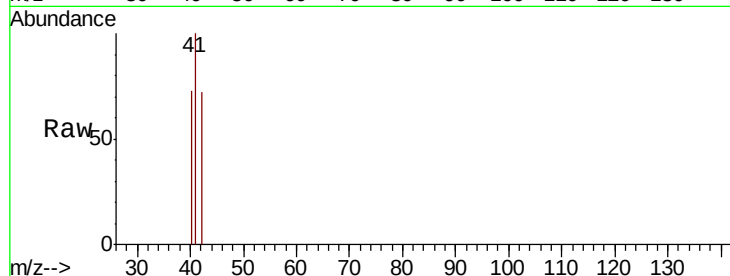




#29
Tetrahydrofuran
Concen: 7.825 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

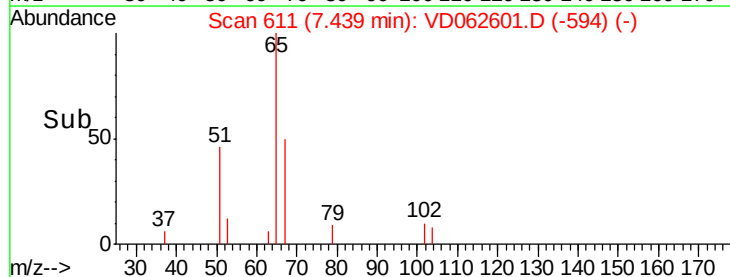
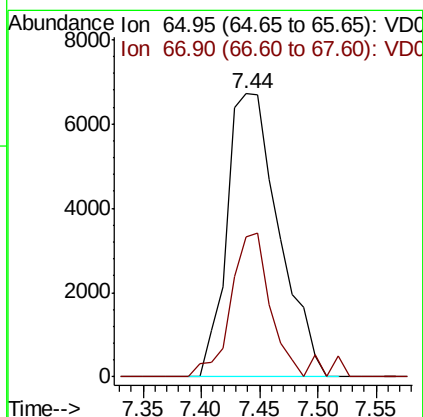
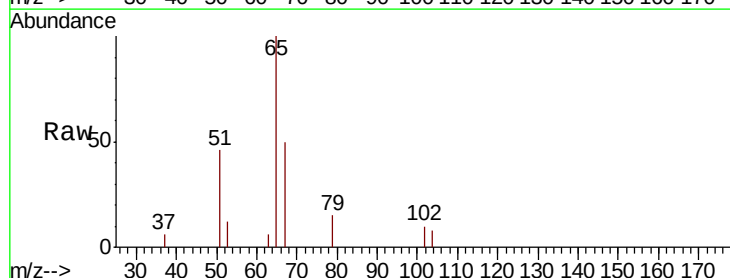
Instrument :
MSVOA_D
ClientSampleId :

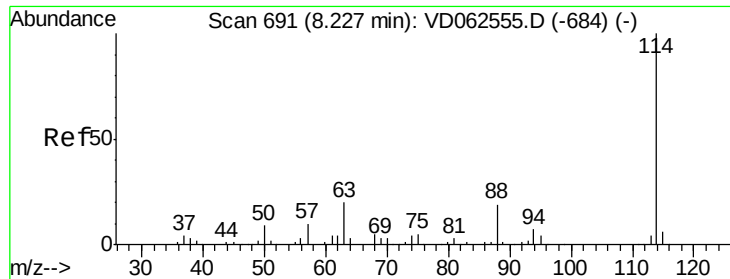
Tot Ion: 42 Resp: 181
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 0.0 33.0 49.6#



#33
1,2-Dichloroethane-d4
Concen: 74.241 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion: 65 Resp: 20716
Ion Ratio Lower Upper
65 100
67 49.6 0.0 83.6

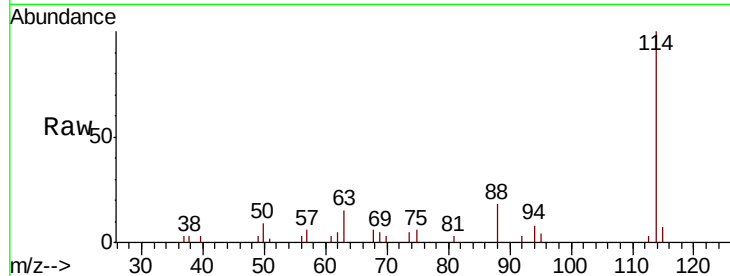




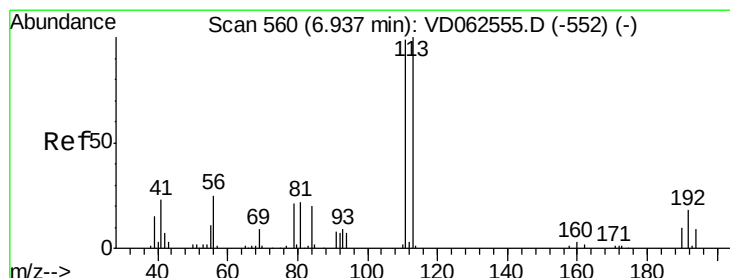
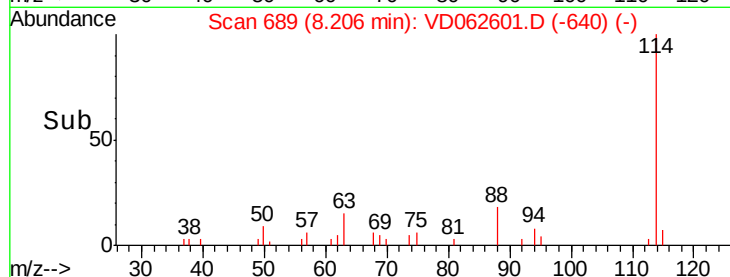
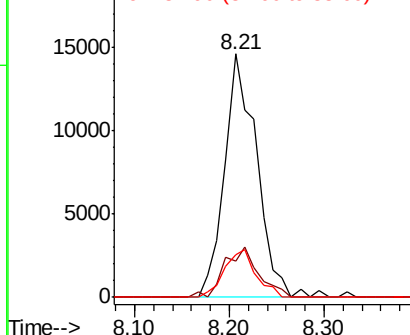
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 689
Delta R.T. -0.02 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 34232
Ion Ratio Lower Upper
114 100
63 14.8 0.0 40.6
88 17.6 0.0 37.6

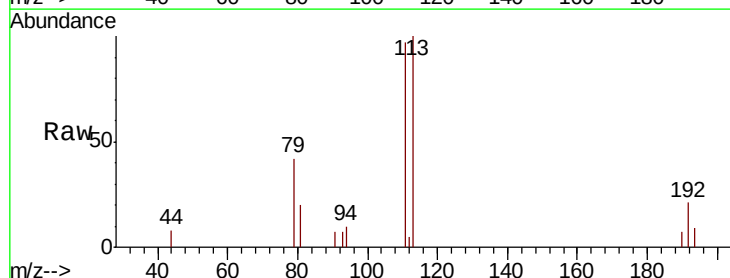


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

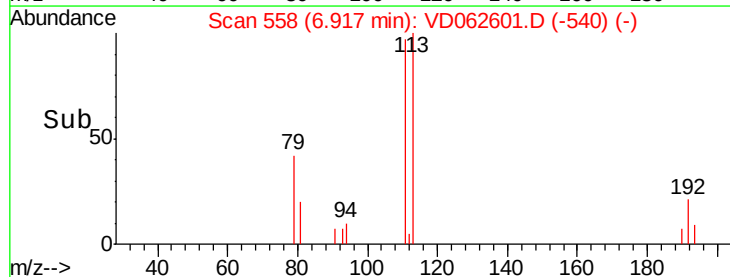
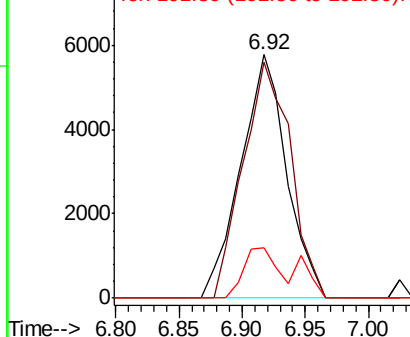


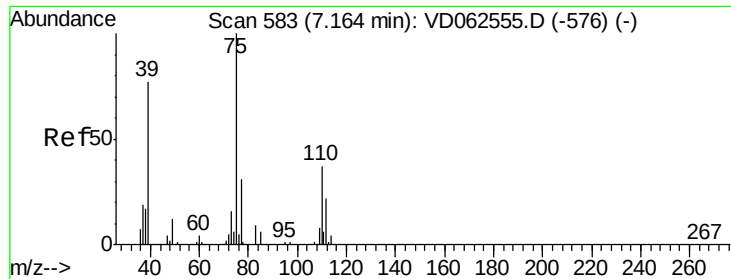
#35
Dibromofluoromethane
Concen: 46.877 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion:113 Resp: 14623
Ion Ratio Lower Upper
113 100
111 97.0 78.8 118.2
192 20.7 14.6 22.0



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: 5.121 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

Instrument :

MSVOA_D

ClientSampled :

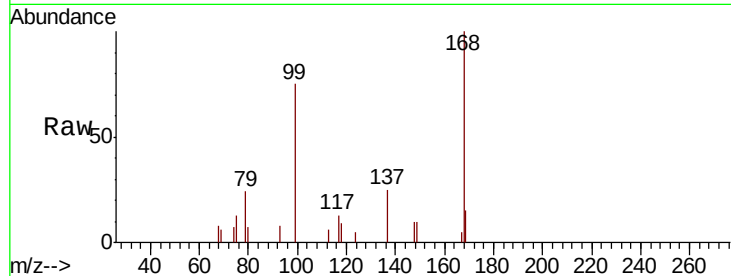
Tot Ion: 75 Resp: 1745

Ion Ratio Lower Upper

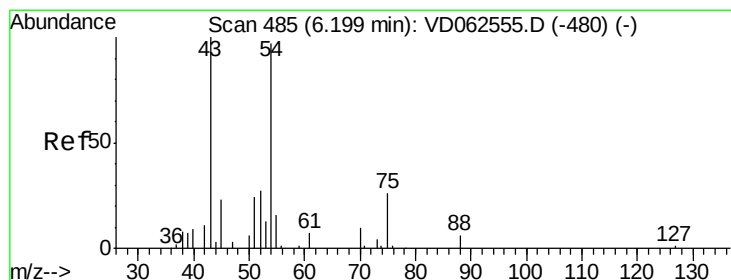
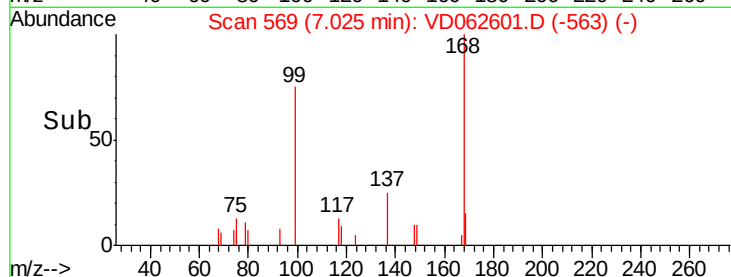
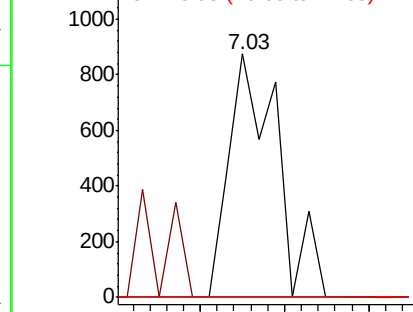
75 100

110 0.0 18.3 54.8#

77 0.0 24.4 36.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.622 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.14 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

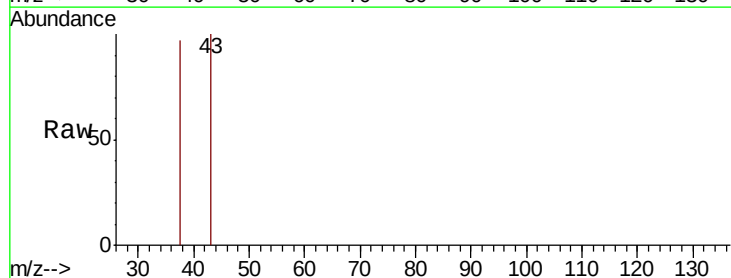
Tgt Ion: 43 Resp: 233

Ion Ratio Lower Upper

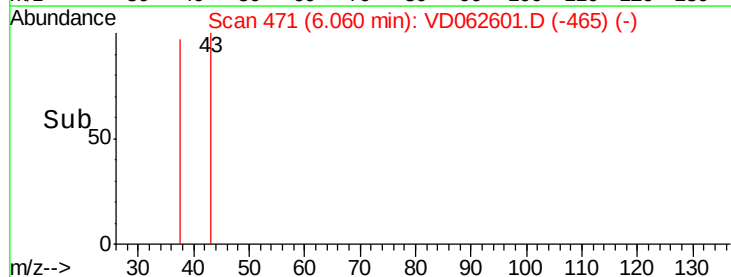
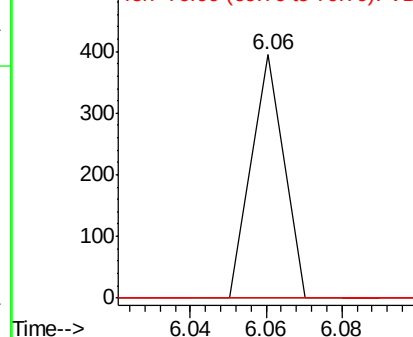
43 100

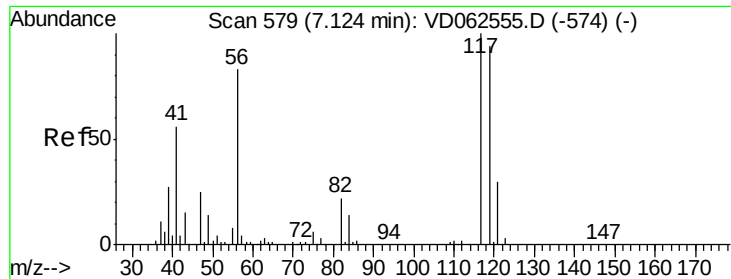
61 0.0 9.8 14.8#

70 0.0 6.5 9.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

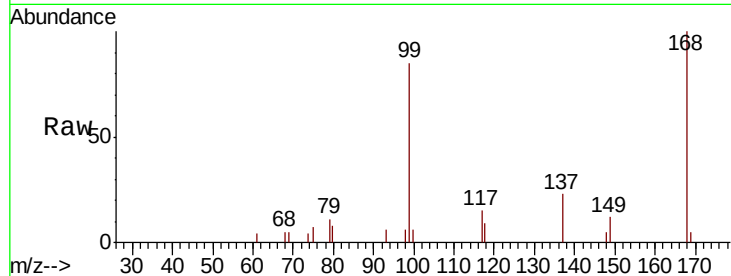




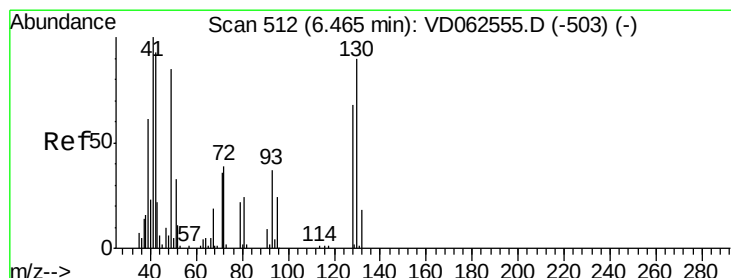
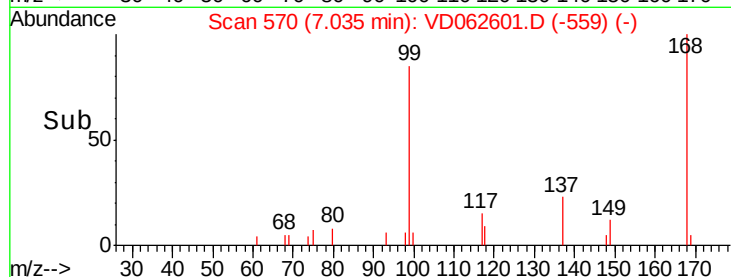
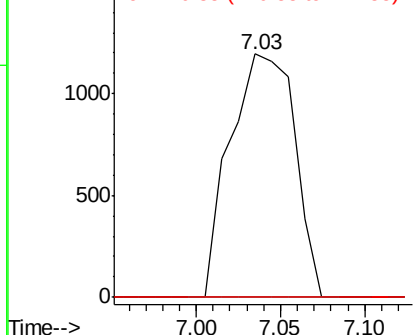
#38
Carbon Tetrachloride
Concen: 6.246 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 3169
Ion Ratio Lower Upper
117 100
119 0.0 71.4 107.2#
121 0.0 22.5 33.7#

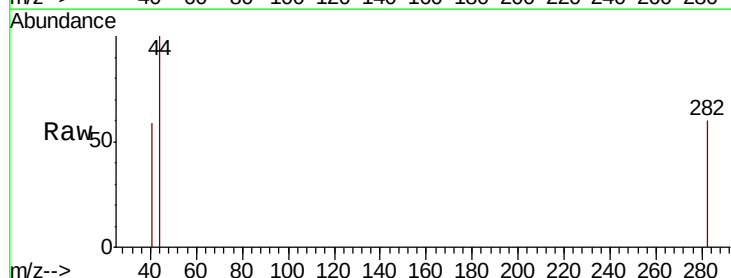


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

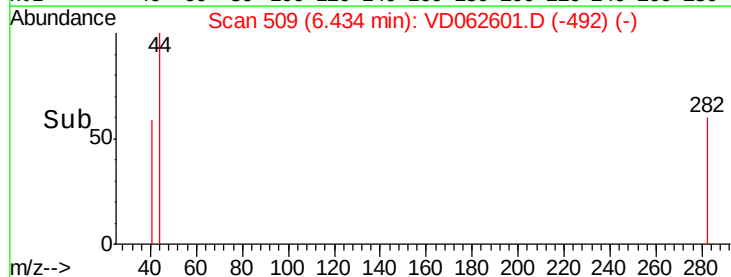
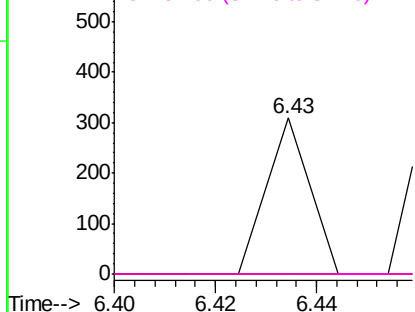


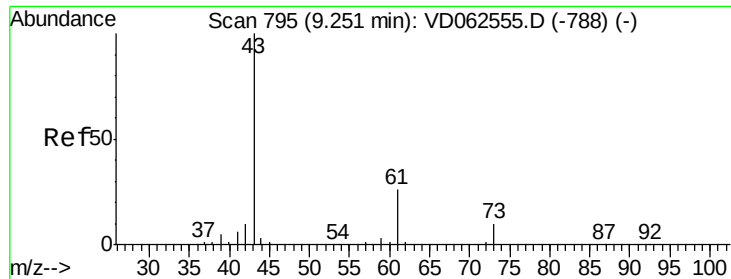
#41
Methacrylonitrile
Concen: 1.082 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion: 41 Resp: 183
Ion Ratio Lower Upper
41 100
39 0.0 49.0 73.6#
67 0.0 15.5 23.3#
52 0.0 8.9 13.3#



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

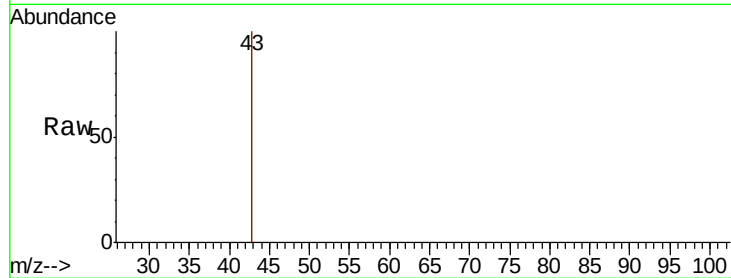




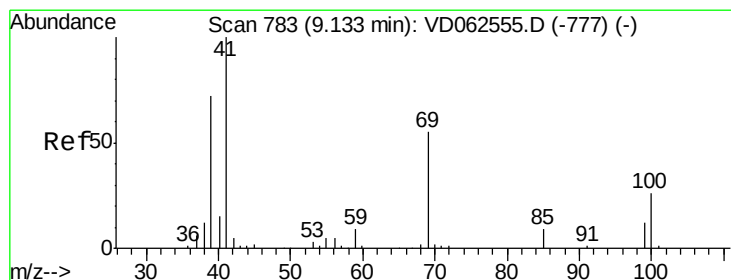
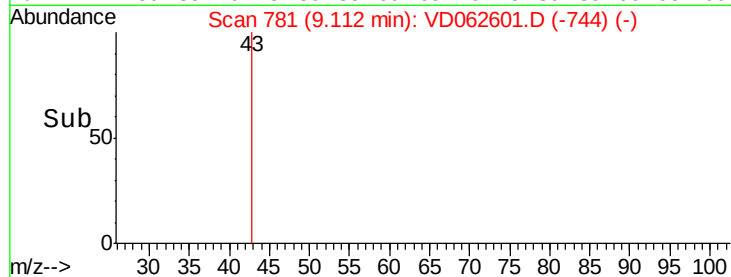
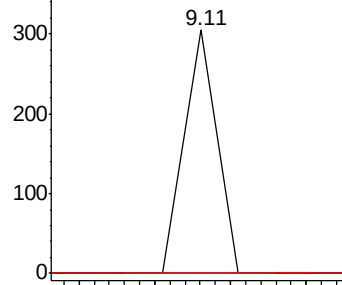
#43
Isopropyl Acetate
Concen: 1.007 ug/l
RT: 9.11 min Scan# 781
Delta R.T. -0.14 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 0.2 0.2#

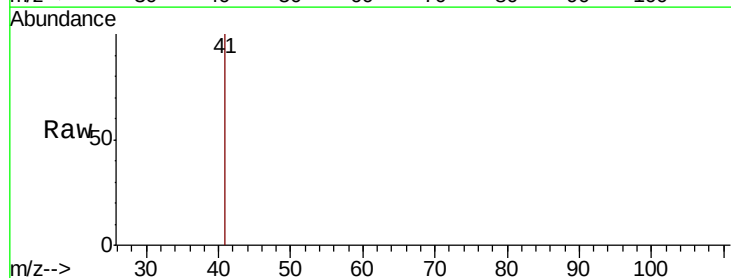


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

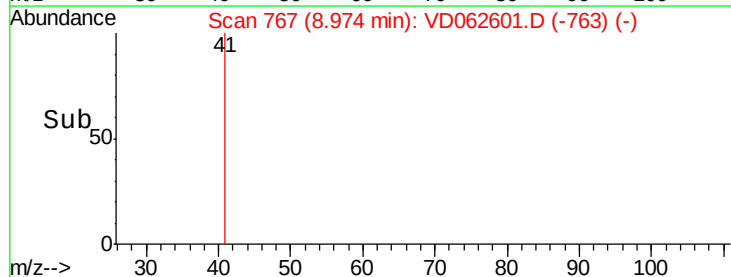
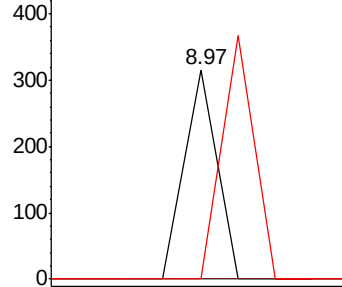


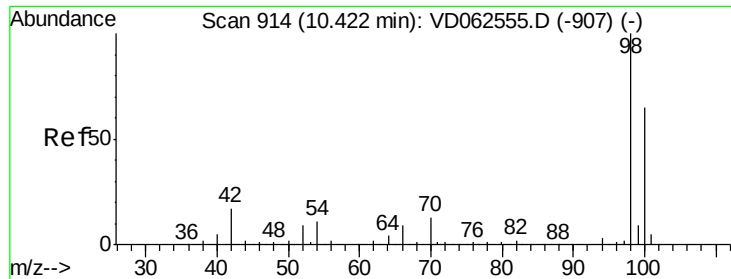
#48
Methyl methacrylate
Concen: 1.570 ug/l
RT: 8.97 min Scan# 767
Delta R.T. -0.16 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion: 41 Resp: 187
Ion Ratio Lower Upper
41 100
69 0.0 43.6 65.4#
39 0.0 58.1 87.1#



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

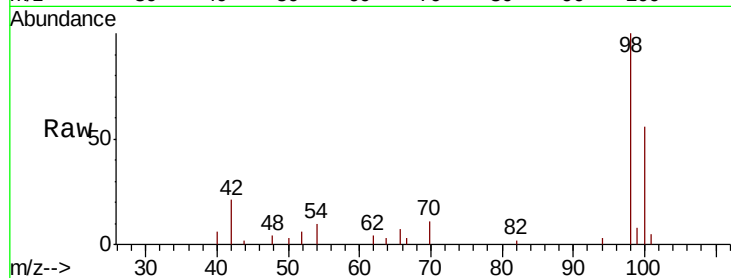




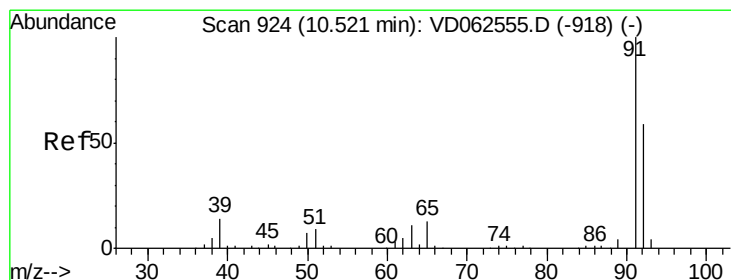
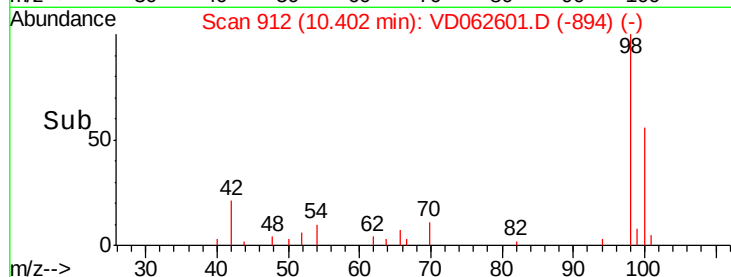
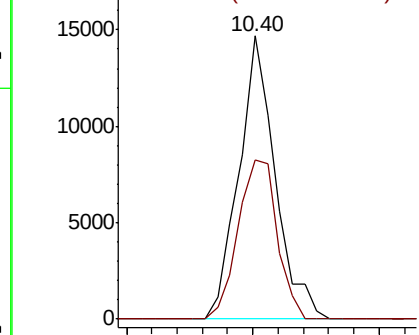
#50
Toluene-d8
Concen: 42.806 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 29257
Ion Ratio Lower Upper
98 100
100 56.2 52.3 78.5

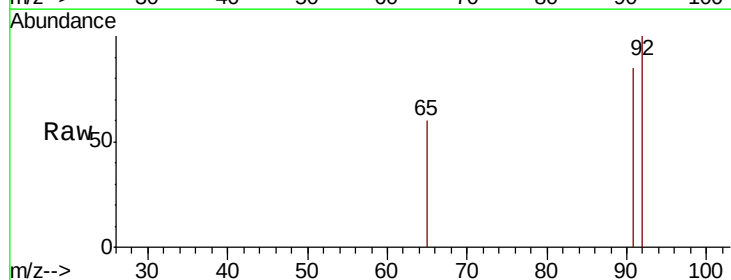


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

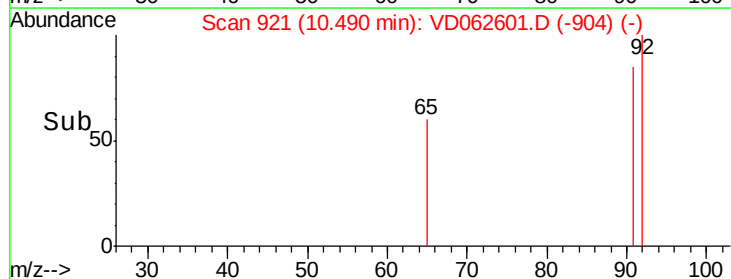
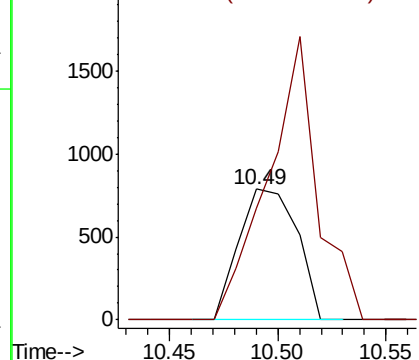


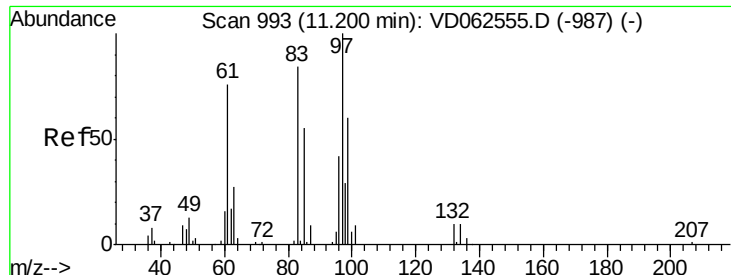
#52
Toluene
Concen: 3.214 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.03 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion: 92 Resp: 1466
Ion Ratio Lower Upper
92 100
91 85.4 135.5 203.3#



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

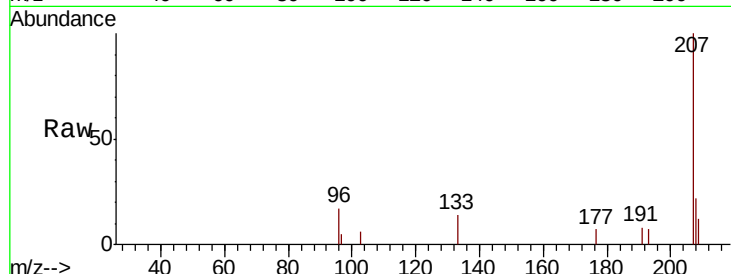




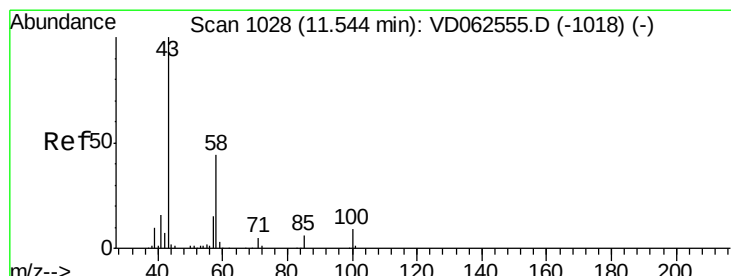
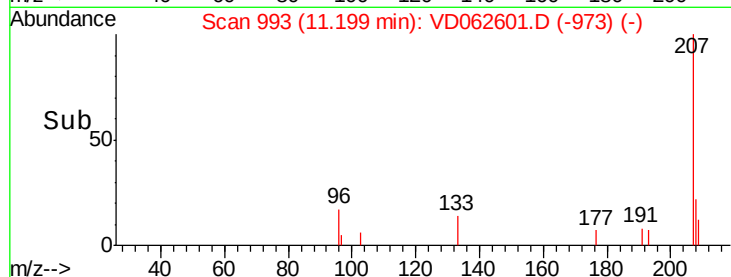
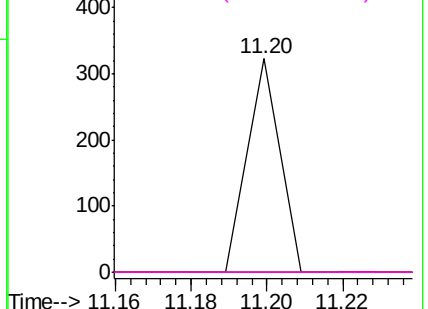
#55
 1,1,2-Trichloroethane
 Concen: 1.275 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.3	100.9#
85	0.0	43.8	65.8#
99	0.0	48.2	72.2#

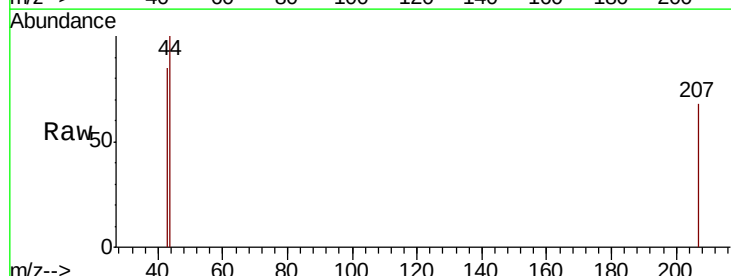


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

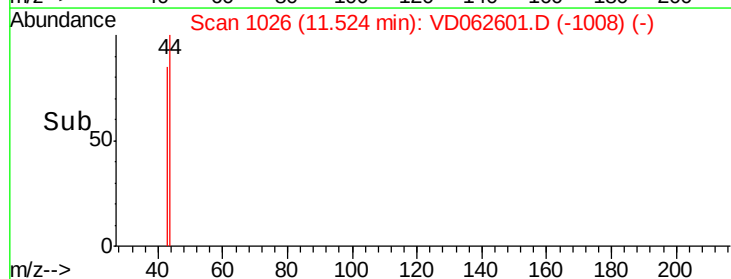
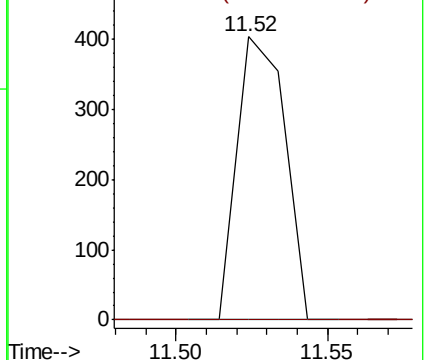


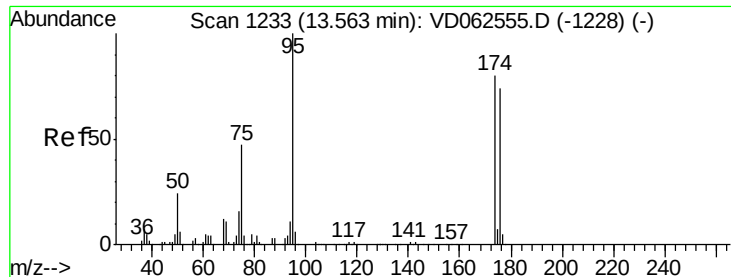
#59
 2-Hexanone
 Concen: 5.109 ug/l
 RT: 11.52 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.0	66.0#



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

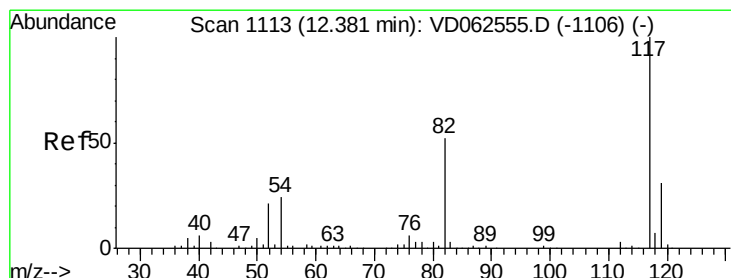
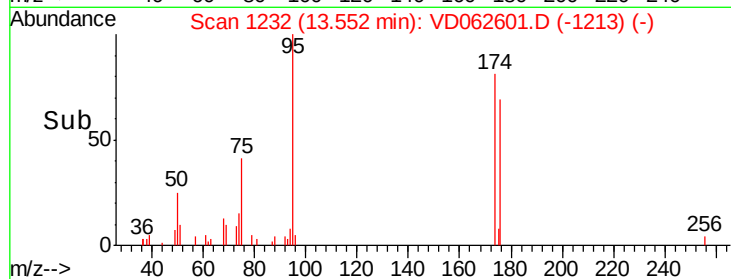
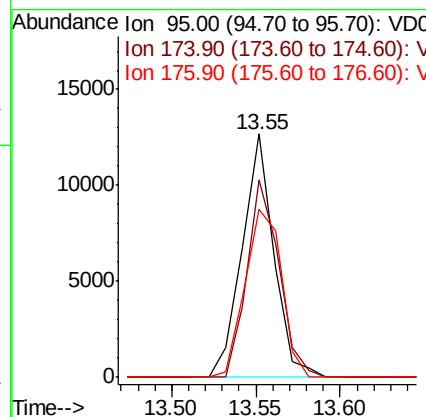
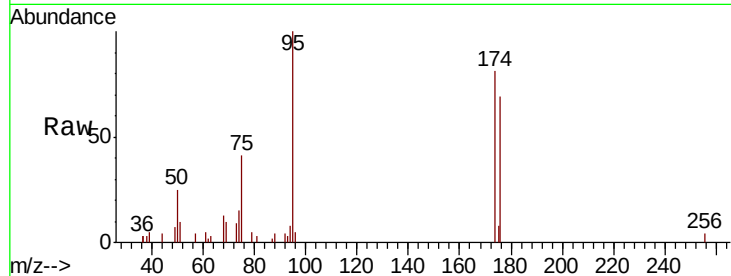




#62
4-Bromofluorobenzene
Concen: 53.687 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

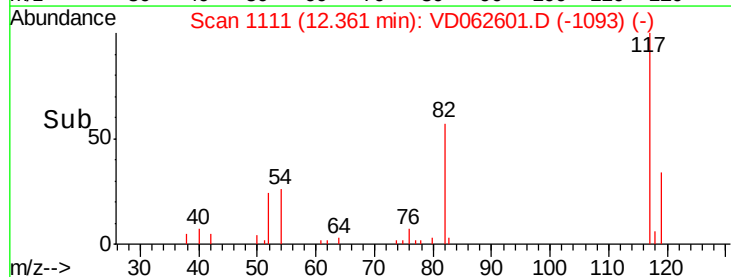
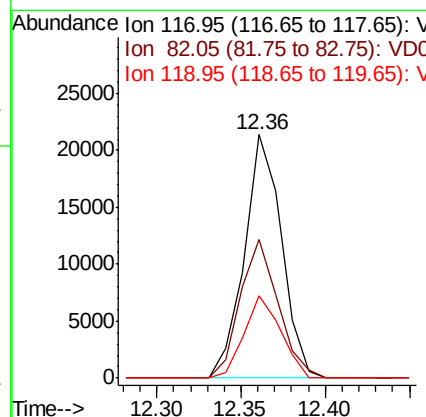
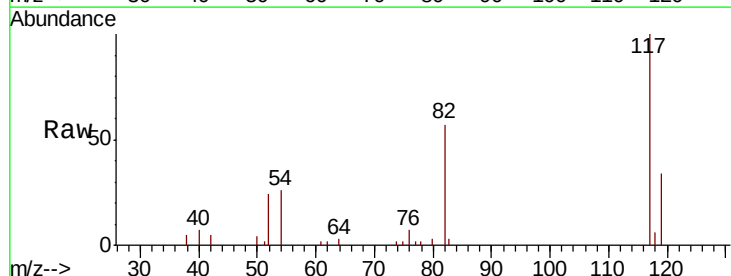
Instrument :
MSVOA_D
ClientSampleId :

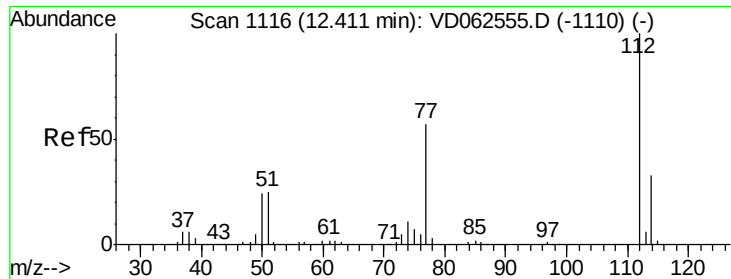
Tot Ion: 95 Resp: 16548
Ion Ratio Lower Upper
95 100
174 81.0 0.0 160.2
176 69.2 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion: 117 Resp: 32656
Ion Ratio Lower Upper
117 100
82 57.1 41.4 62.2
119 33.9 24.9 37.3

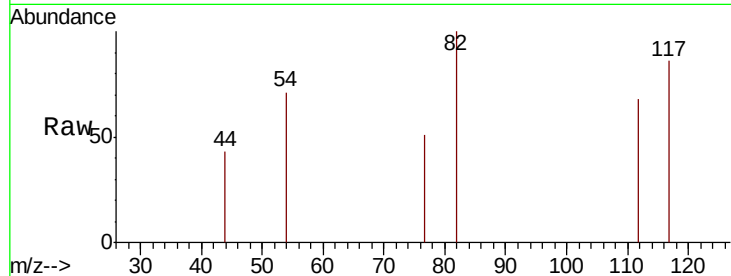




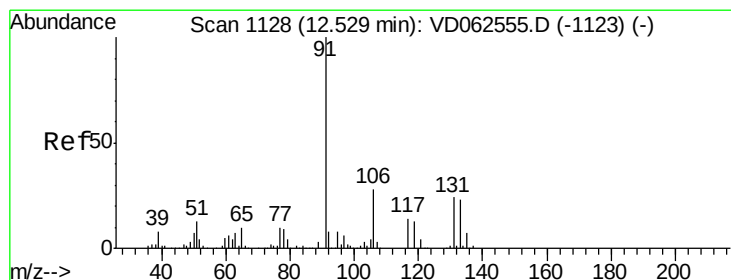
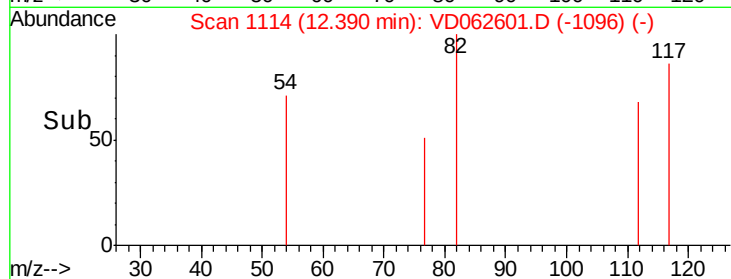
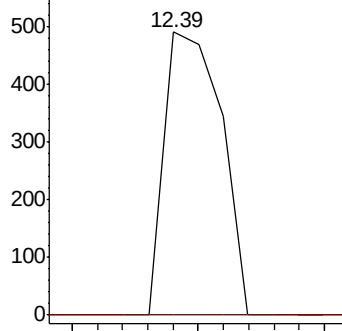
#65
Chlorobenzene
Concen: 1.210 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 770
Ion Ratio Lower Upper
112 100
114 0.0 26.6 39.8#

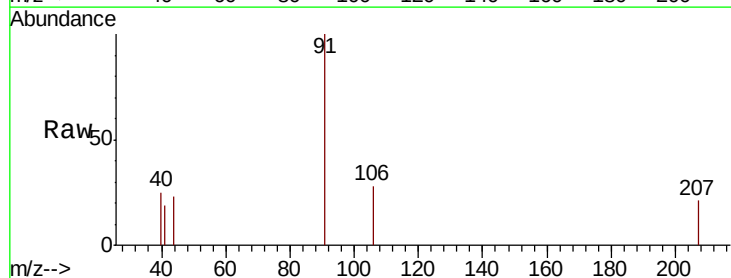


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

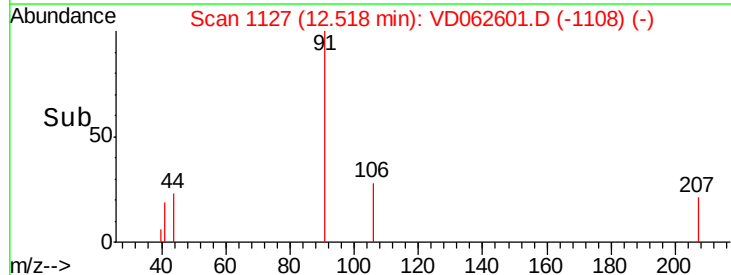
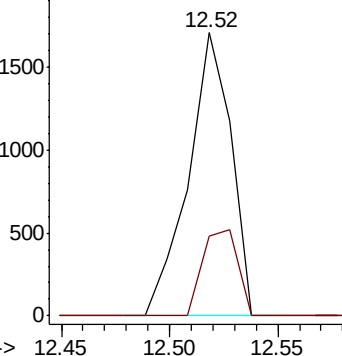


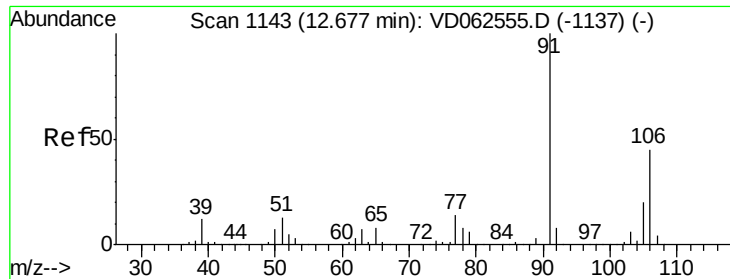
#67
Ethyl Benzene
Concen: 2.019 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion: 91 Resp: 2353
Ion Ratio Lower Upper
91 100
106 28.3 22.2 33.2



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

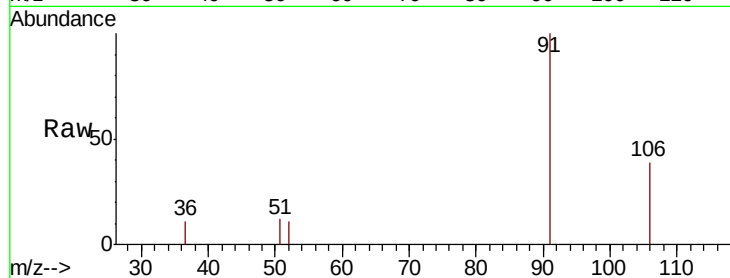




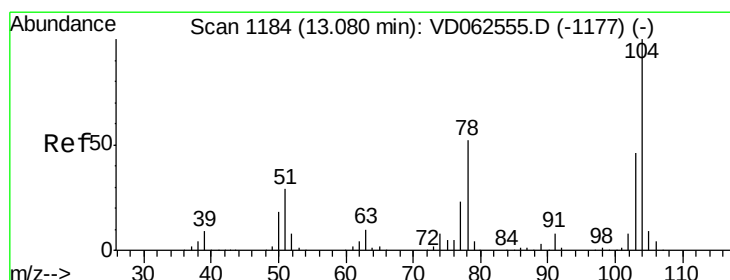
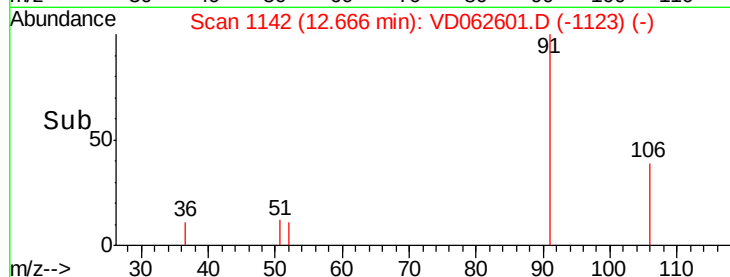
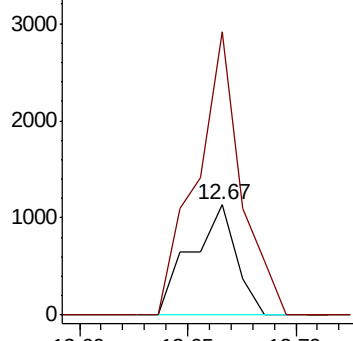
#68
m/p-Xylenes
Concen: 4.105 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 1655
Ion Ratio Lower Upper
106 100
91 257.0 178.9 268.3

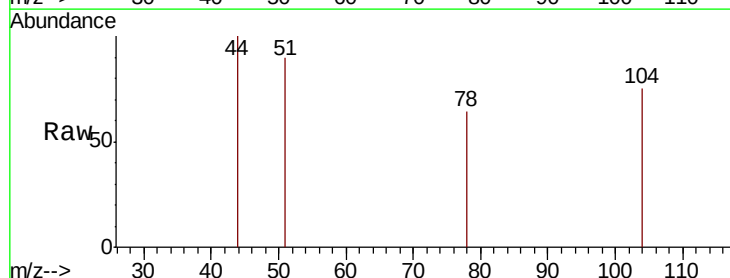


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

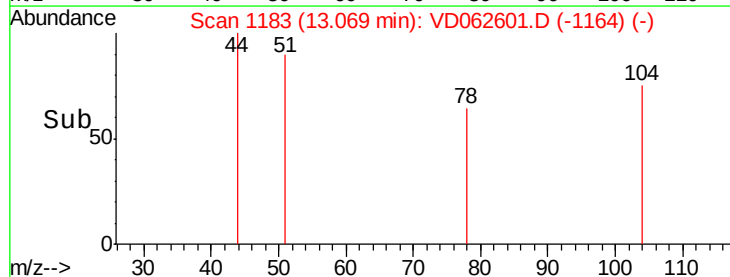
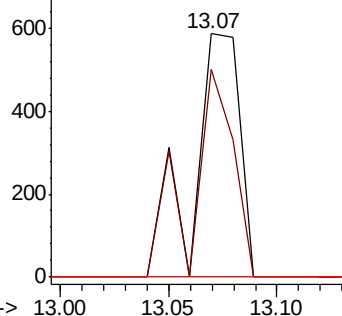


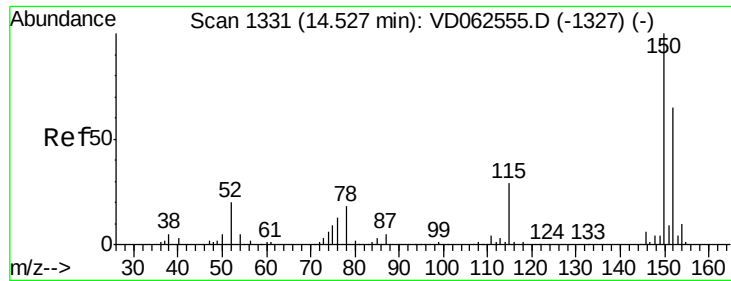
#70
Styrene
Concen: 1.337 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion:104 Resp: 873
Ion Ratio Lower Upper
104 100
78 85.2 41.5 62.3#
103 0.0 36.6 55.0#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

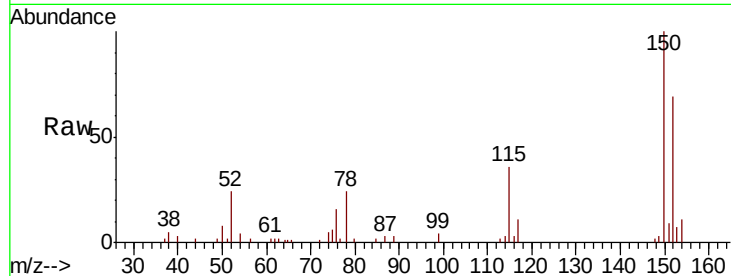
Tot Ion:152 Resp: 19078

Ion Ratio Lower Upper

152 100

115 52.0 28.4 85.3

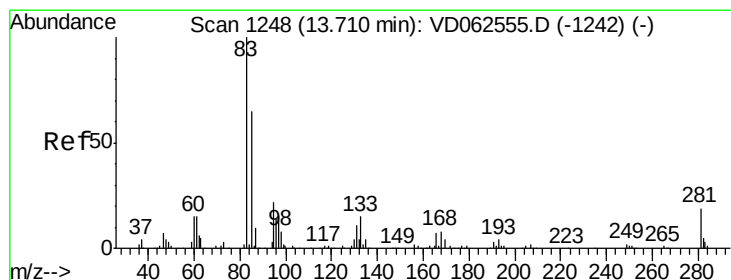
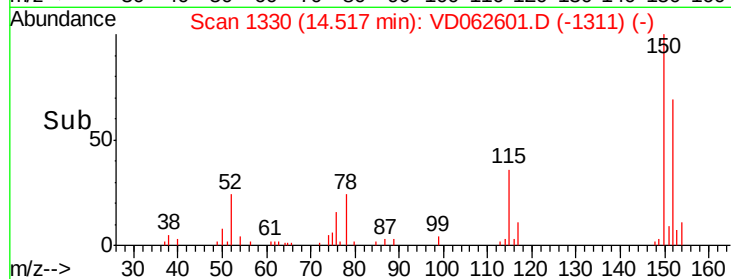
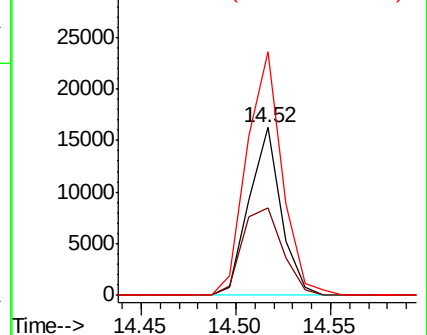
150 145.3 0.0 310.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.028 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

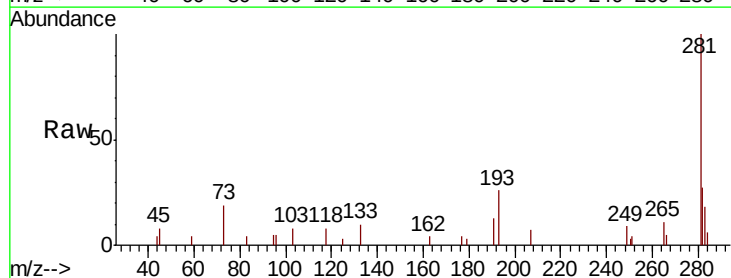
Tgt Ion: 83 Resp: 205

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

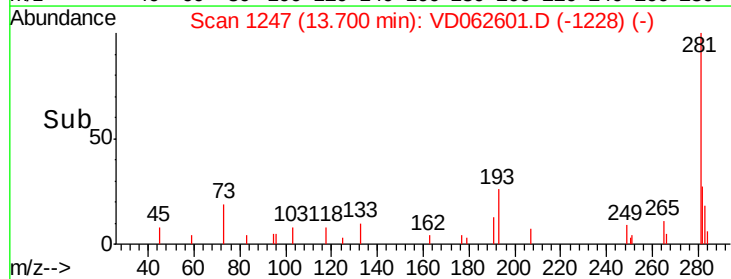
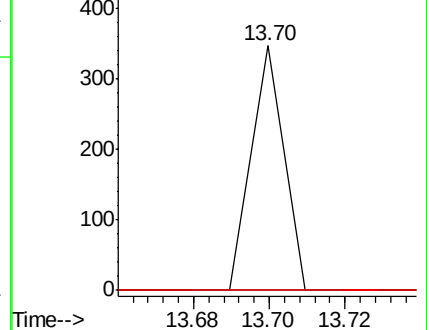
85 0.0 32.6 97.8#

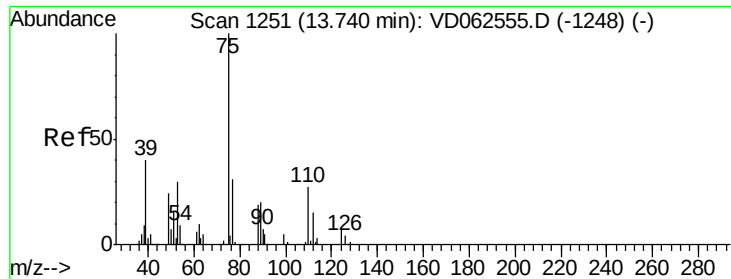


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): V

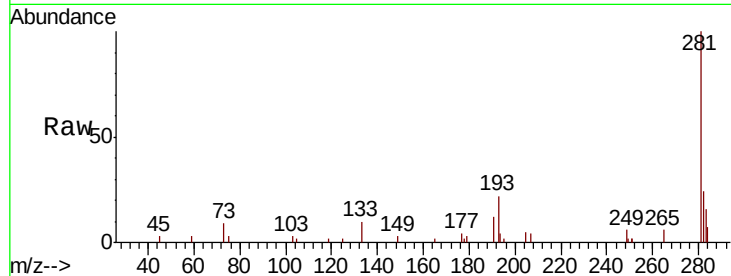




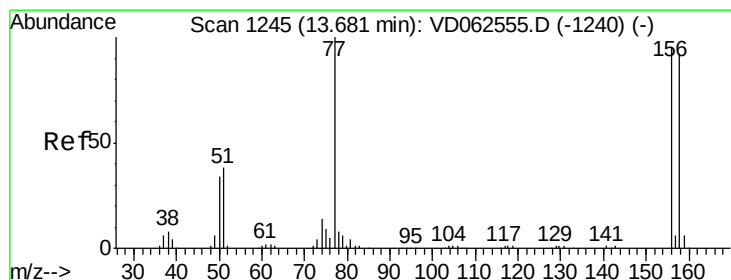
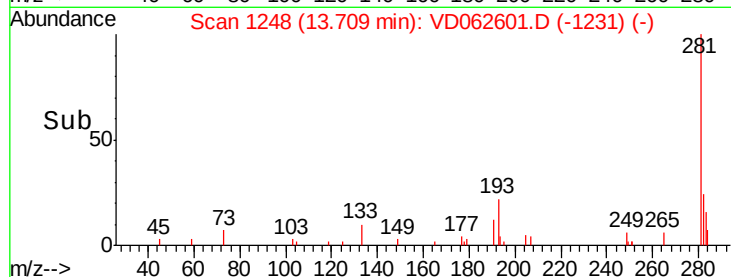
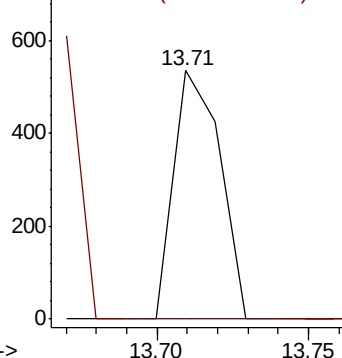
#76
 1,2,3-Trichloropropane
 Concen: 2.477 ug/l
 RT: 13.71 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 567
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.5 49.5#

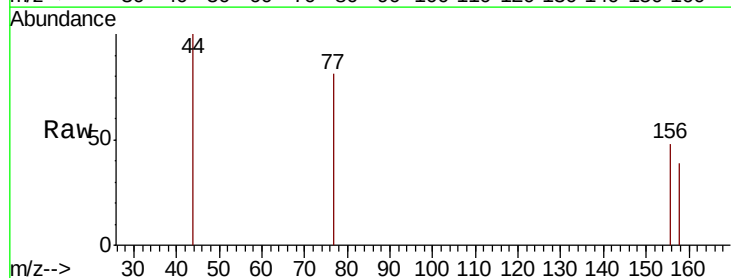


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

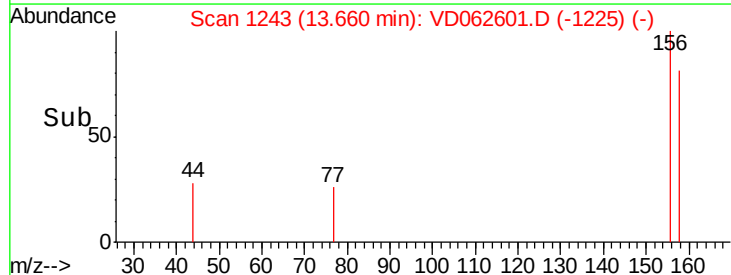
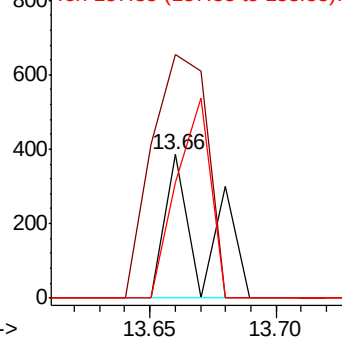


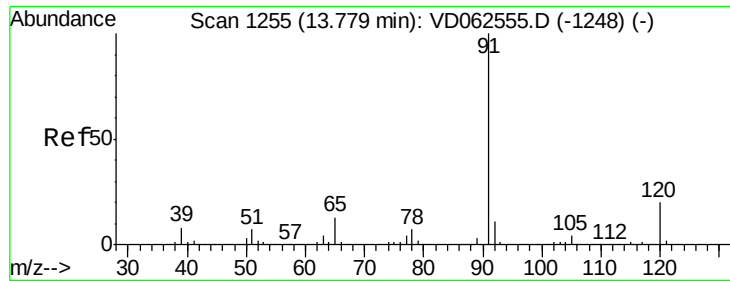
#77
 Bromobenzene
 Concen: 1.174 ug/l
 RT: 13.66 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Tgt Ion: 156 Resp: 405
 Ion Ratio Lower Upper
 156 100
 77 169.9 52.9 158.7#
 158 81.0 48.5 145.5



Abundance Ion 155.90 (155.60 to 156.60): V
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 1.331 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062601.D

Acq: 4 Jun 2019 16:38

Instrument :

MSVOA_D

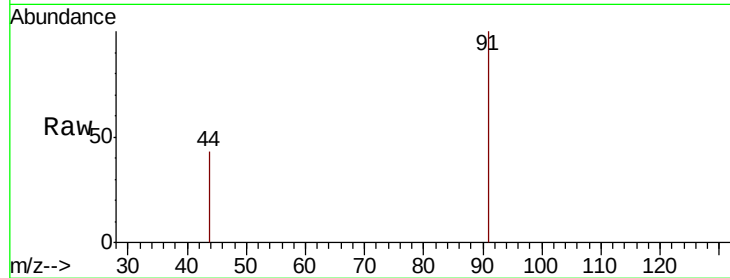
ClientSampleId :

Tot Ion: 91 Resp: 1930

Ion Ratio Lower Upper

91 100

120 0.0 10.0 29.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

2000

1500

1000

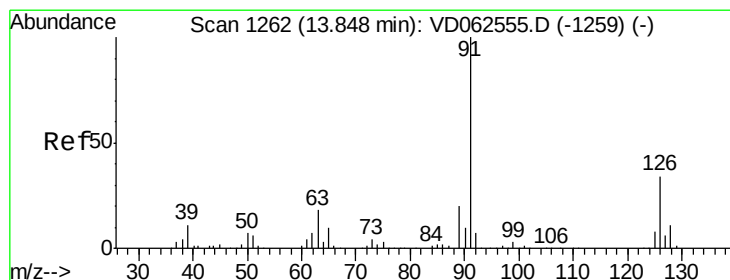
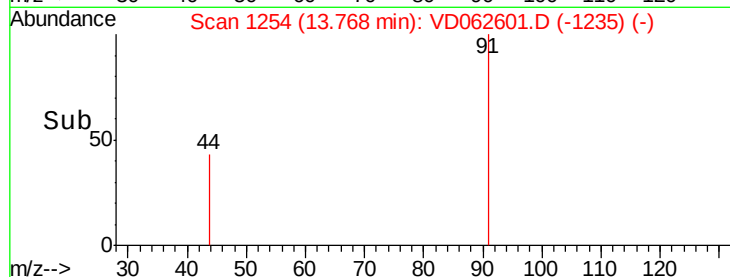
500

0

13.75

13.80

Time-->



#79

2-Chlorotoluene

Concen: 1.502 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.10 min

Lab File: VD062601.D

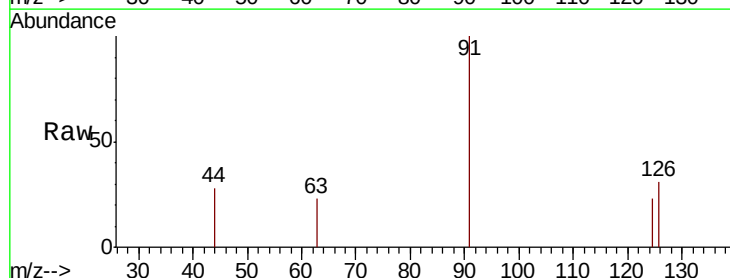
Acq: 4 Jun 2019 16:38

Tgt Ion: 91 Resp: 1263

Ion Ratio Lower Upper

91 100

126 31.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

1500

1000

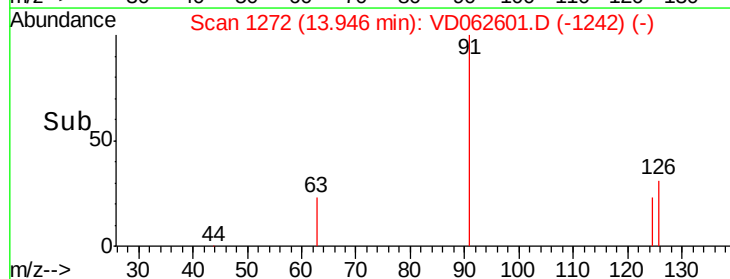
500

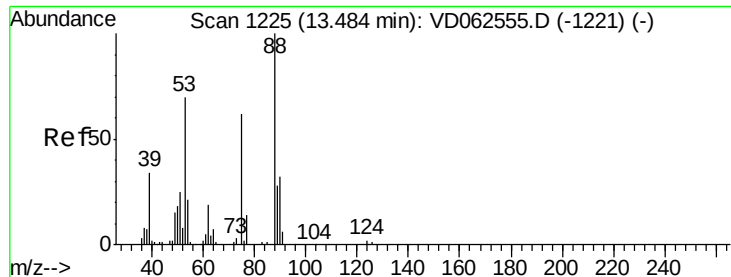
0

13.90

13.95

Time-->

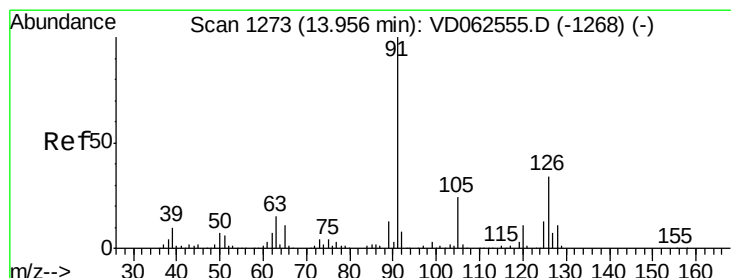
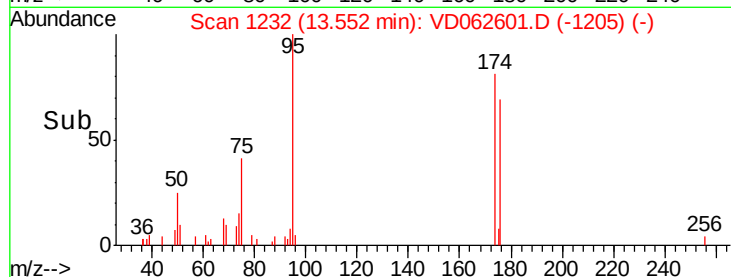
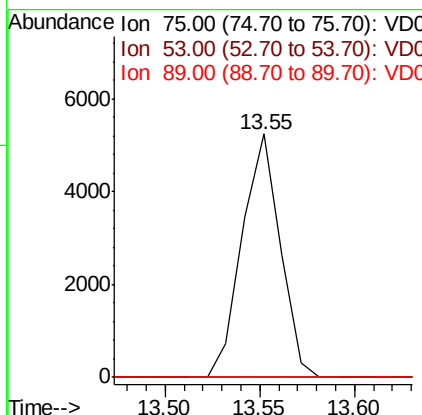
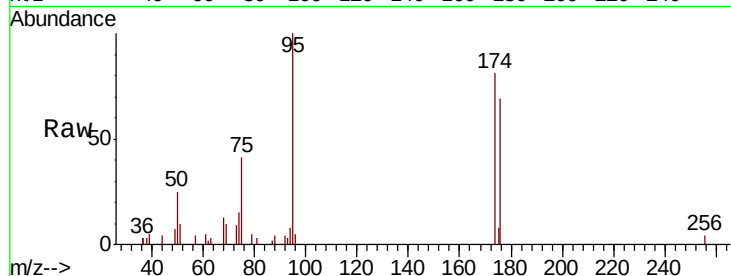




#81
trans-1,4-Dichloro-2-butene
Concen: 111.430 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

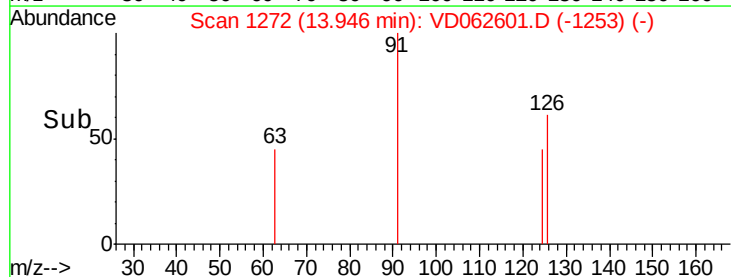
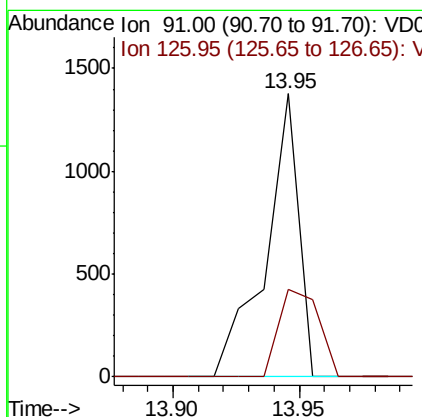
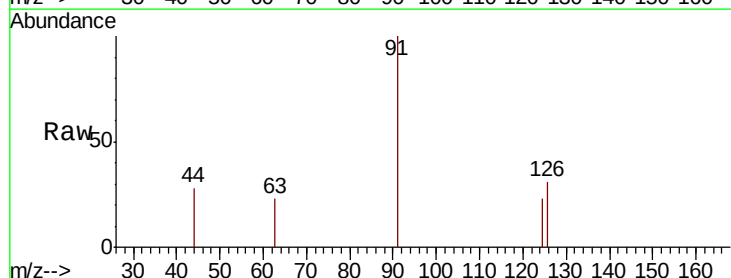
Instrument :
MSVOA_D
ClientSampleId :

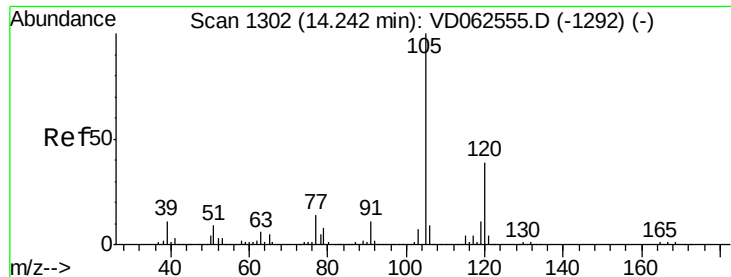
Tot Ion: 75 Resp: 7308
Ion Ratio Lower Upper
75 100
53 0.0 91.0 136.4#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 1.255 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion: 91 Resp: 1263
Ion Ratio Lower Upper
91 100
126 31.1 16.9 50.7

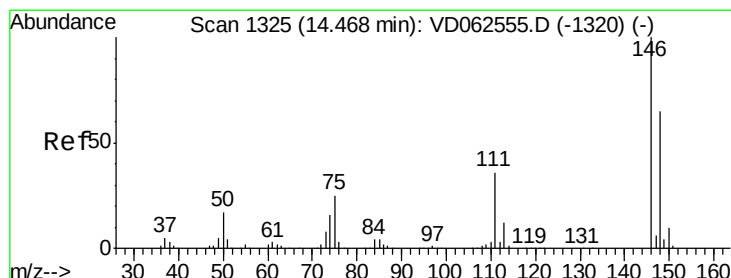
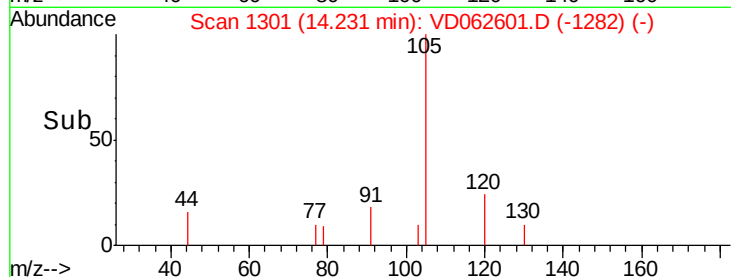
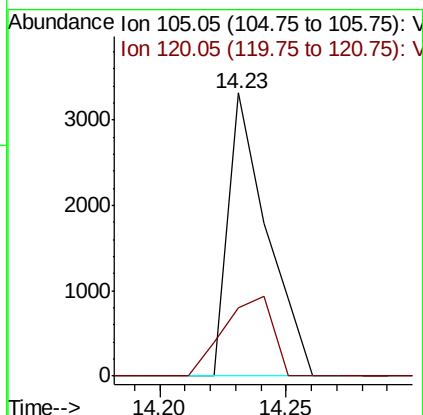
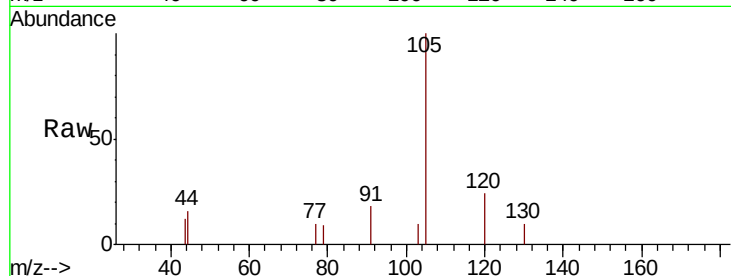




#84
 1,2,4-Trimethylbenzene
 Concen: 3.242 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

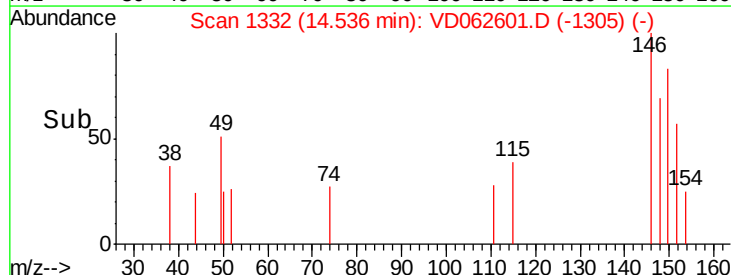
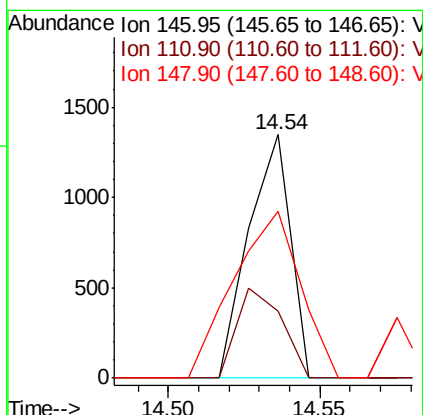
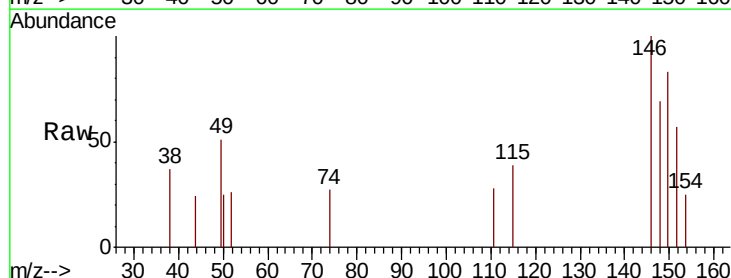
Instrument :
 MSVOA_D
 ClientSampled :

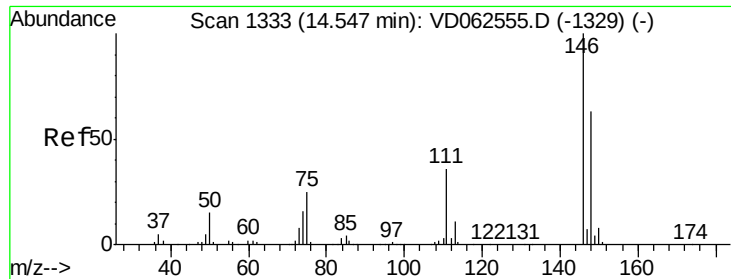
Tot Ion:105 Resp: 3550
 Ion Ratio Lower Upper
 105 100
 120 24.2 19.6 58.8



#87
 1,3-Dichlorobenzene
 Concen: 2.156 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.07 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Tgt Ion:146 Resp: 1289
 Ion Ratio Lower Upper
 146 100
 111 27.5 18.1 54.4
 148 68.7 32.3 96.9

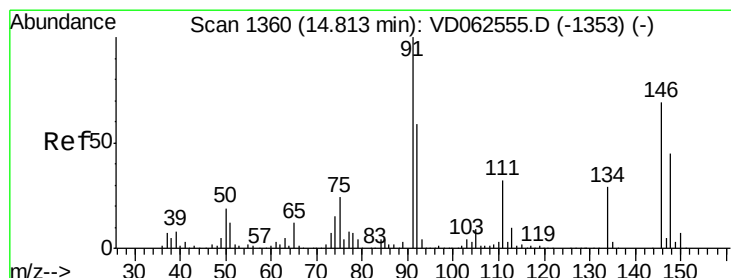
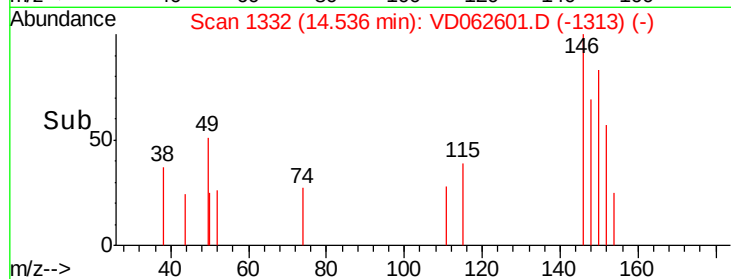
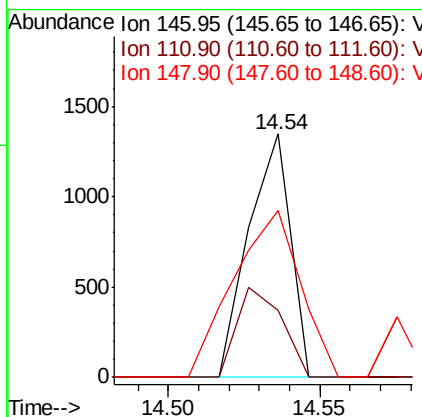
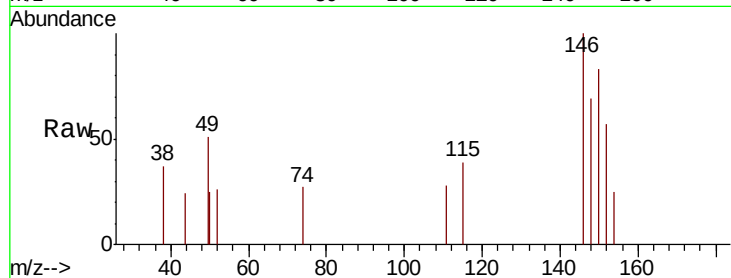




#88
 1,4-Dichlorobenzene
 Concen: 2.152 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

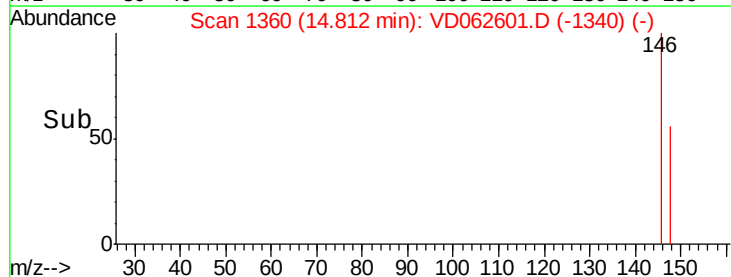
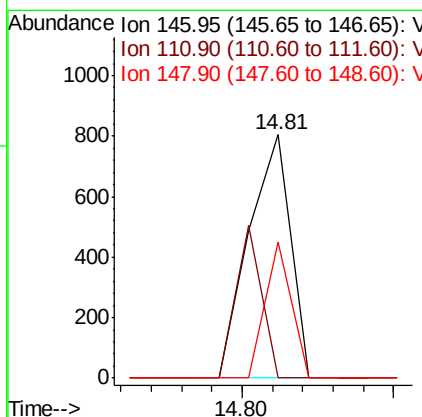
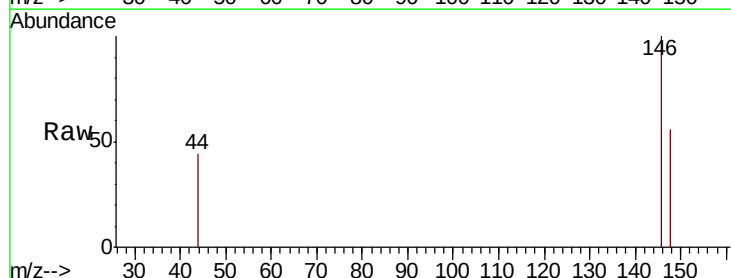
Instrument :
 MSVOA_D
 ClientSampleId :

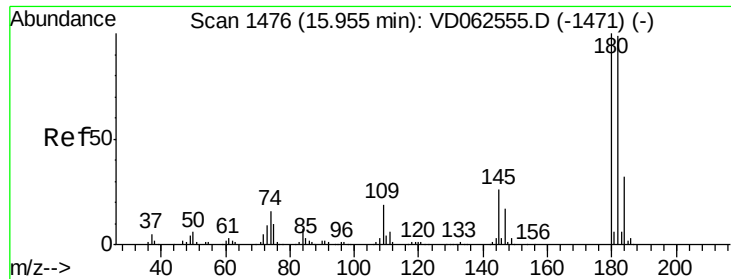
Tot Ion:146 Resp: 1289
 Ion Ratio Lower Upper
 146 100
 111 27.5 18.2 54.6
 148 68.7 31.6 94.8



#91
 1,2-Dichlorobenzene
 Concen: 1.519 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Tgt Ion:146 Resp: 764
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.8 68.4#
 148 55.8 32.3 96.9

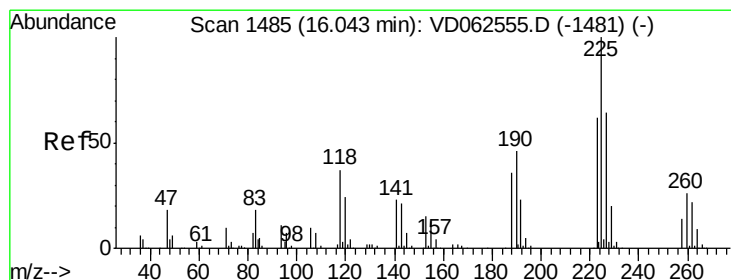
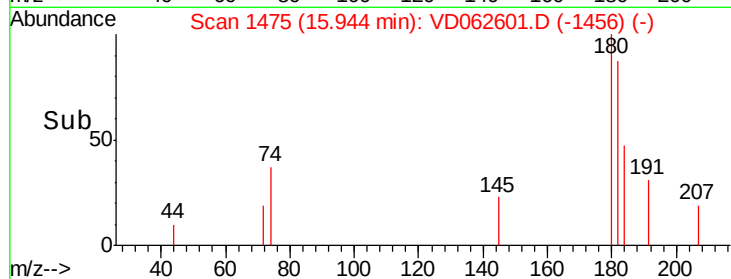
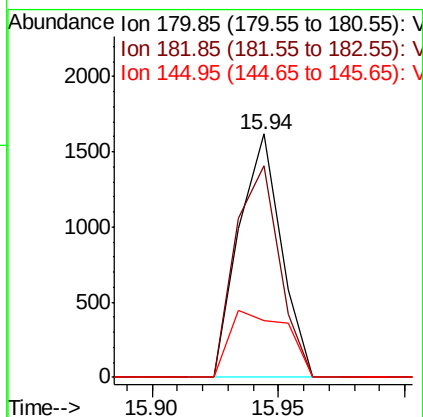
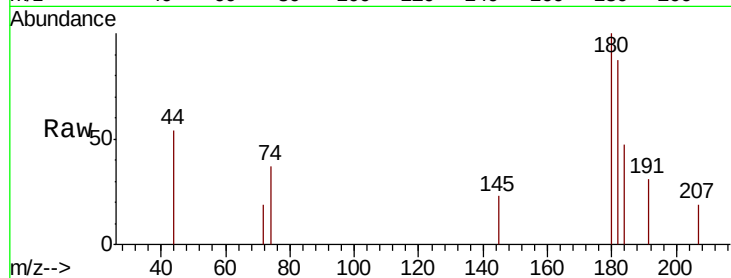




#93
 1,2,4-Trichlorobenzene
 Concen: 4.688 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

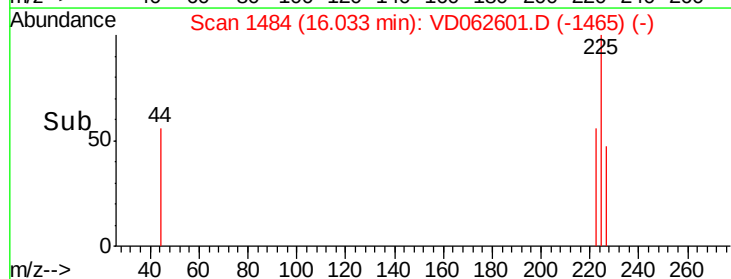
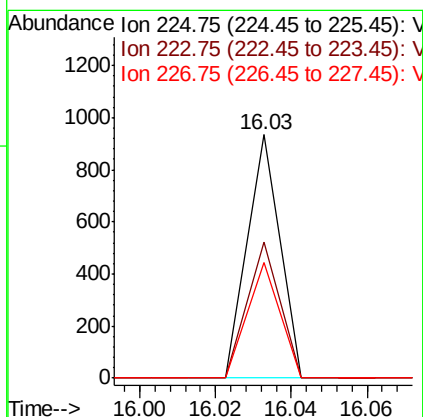
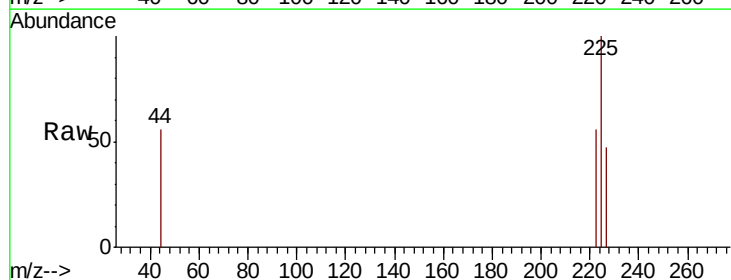
Instrument :
 MSVOA_D
 ClientSampled :

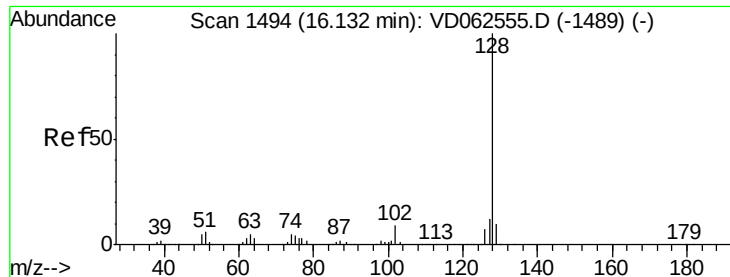
Tot Ion:180 Resp: 1885
 Ion Ratio Lower Upper
 180 100
 182 86.7 49.5 148.3
 145 23.4 13.1 39.3



#94
 Hexachlorobutadiene
 Concen: 1.860 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062601.D
 Acq: 4 Jun 2019 16:38

Tgt Ion:225 Resp: 552
 Ion Ratio Lower Upper
 225 100
 223 56.0 31.1 93.5
 227 47.4 32.1 96.5

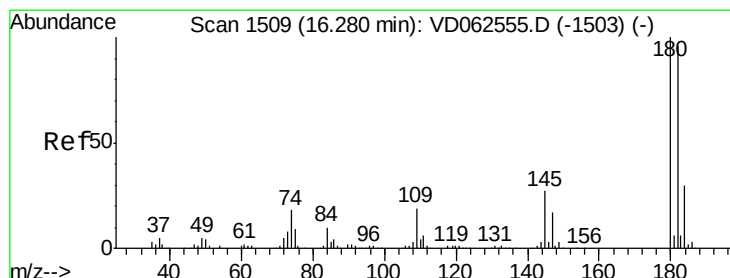
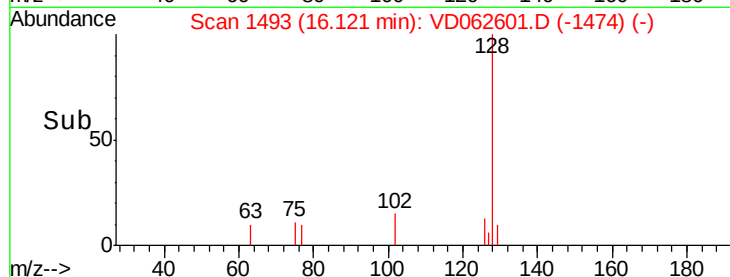
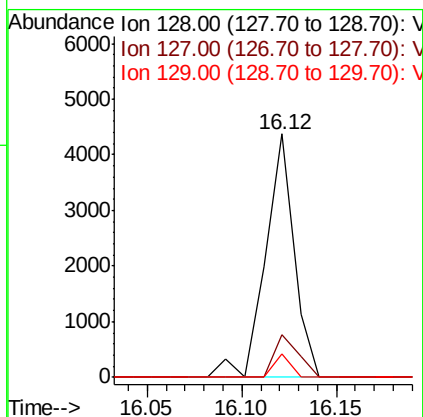
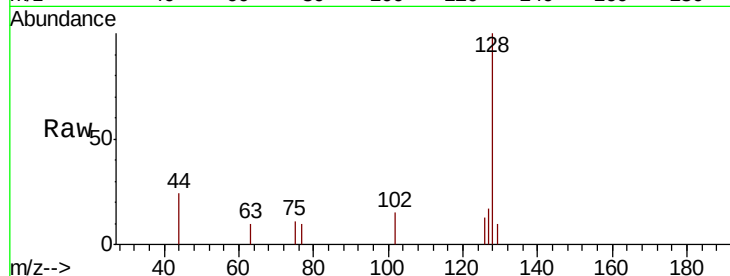




#95
Naphthalene
Concen: 8.437 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 4620
Ion Ratio Lower Upper
128 100
127 17.5 9.7 14.5#
129 9.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 3.875 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062601.D
Acq: 4 Jun 2019 16:38

Tgt Ion:180 Resp: 1164
Ion Ratio Lower Upper
180 100
182 74.8 48.1 144.3
145 0.0 13.3 39.9#

