

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062727.D
 Acq On : 17 Jun 2019 15:29
 Operator : VA/AP
 Sample : K3154-05
 Misc : 6.77g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-061419-C

Quant Time: Jun 18 06:23:39 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	7.03	168	716514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1004095	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	757170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	367455	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	343539	33.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	66.46%		
35) Dibromofluoromethane	6.91	113	338136	31.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	63.86%		
50) Toluene-d8	10.40	98	550783	24.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	49.44%		
62) 4-Bromofluorobenzene	13.55	95	311127	29.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	59.88%		

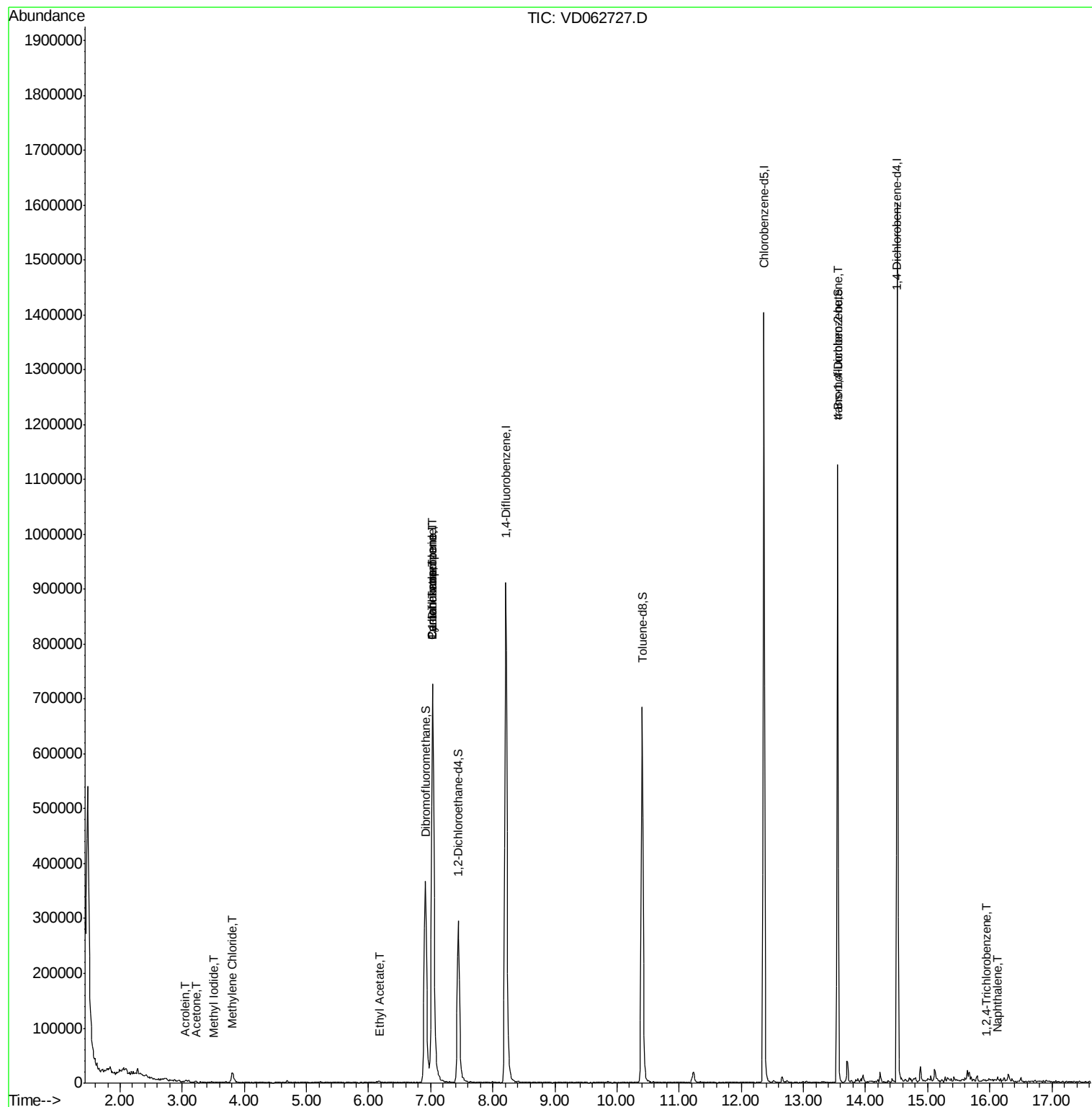
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	533	Below Cal	#	42
10) Methyl Iodide	3.50	142	188	4.022	ug/l #	24
13) Acrolein	3.05	56	187	1.368	ug/l #	12
16) Acetone	3.21	43	2584	1.365	ug/l #	66
20) Methylene Chloride	3.81	84	10360	1.016	ug/l #	73
31) Cyclohexane	7.03	56	16815	2.061	ug/l #	9
36) 1,1-Dichloropropene	7.04	75	59397	5.169	ug/l #	49
37) Ethyl Acetate	6.18	43	198	1.240	ug/l #	74
38) Carbon Tetrachloride	7.04	117	75394	4.151	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	145009	94.392	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	648	3.632	ug/l #	56
95) Naphthalene	16.12	128	4553	3.767	ug/l #	93

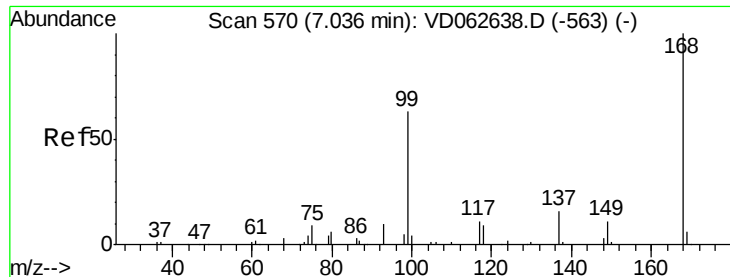
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062727.D

Acq: 17 Jun 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

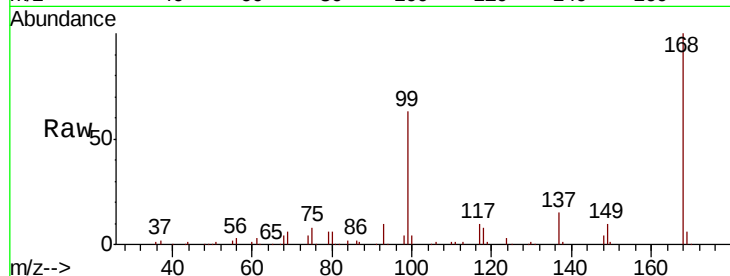
JC-02-061419-C

Tot Ion:168 Resp: 716514

Ion Ratio Lower Upper

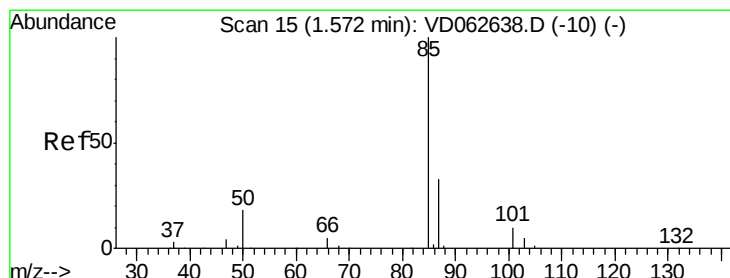
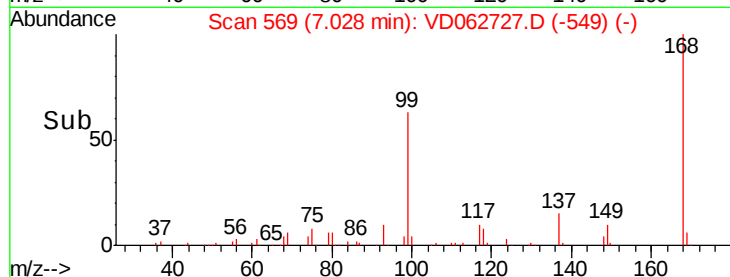
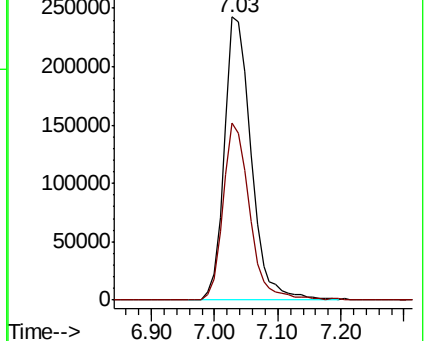
168 100

99 62.7 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: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062727.D

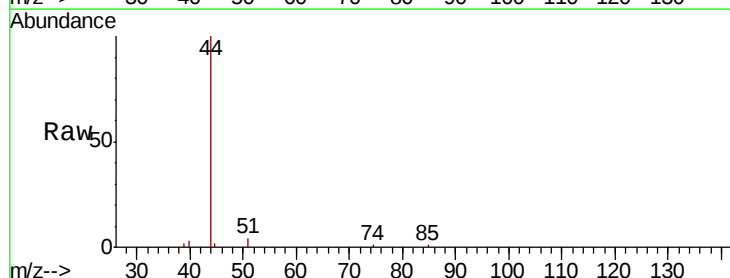
Acq: 17 Jun 2019 15:29

Tgt Ion: 85 Resp: 533

Ion Ratio Lower Upper

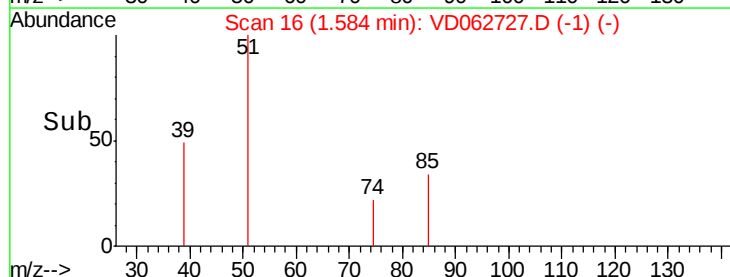
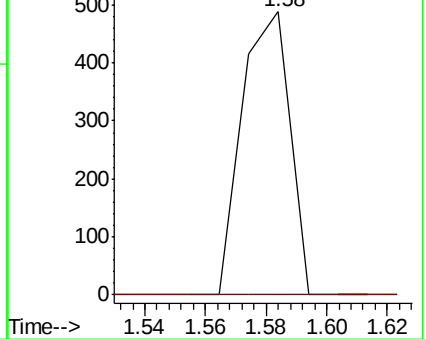
85 100

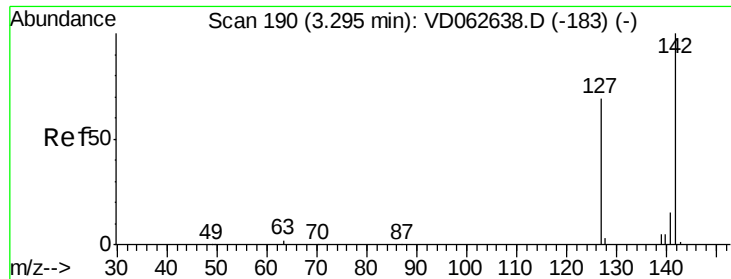
87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

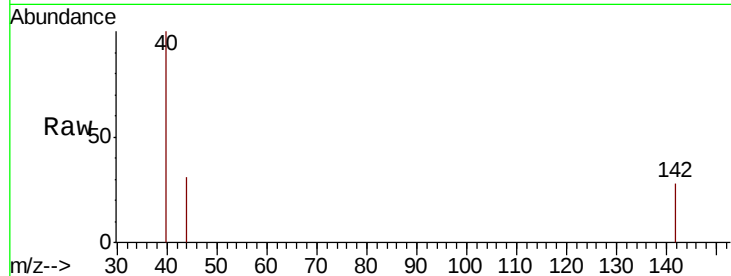




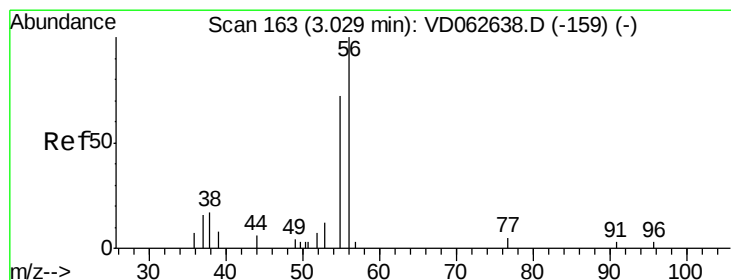
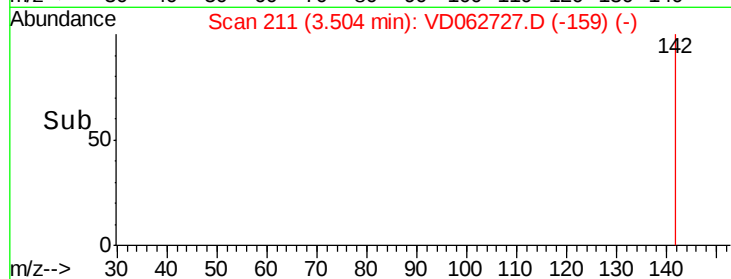
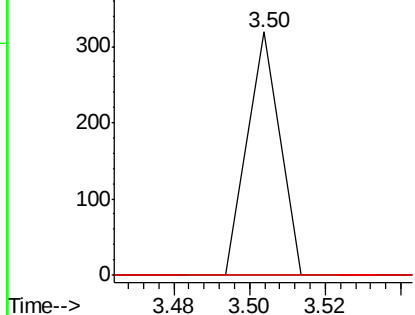
#10
Methyl Iodide
Concen: 4.022 ug/l
RT: 3.50 min Scan# 211
Delta R.T. 0.21 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-C

Tot Ion:142 Resp: 188
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

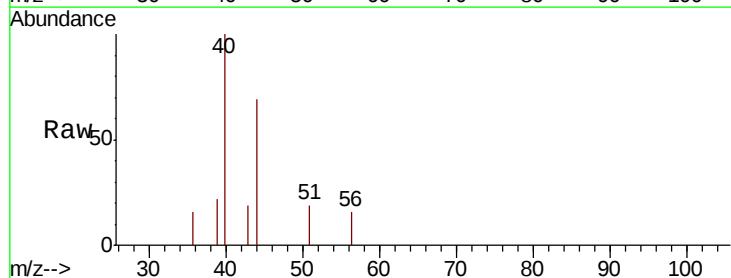


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

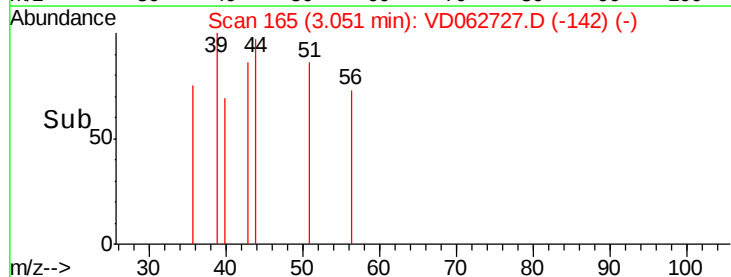
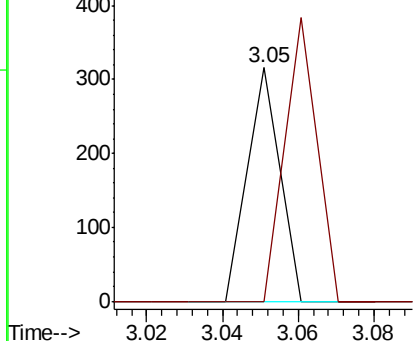


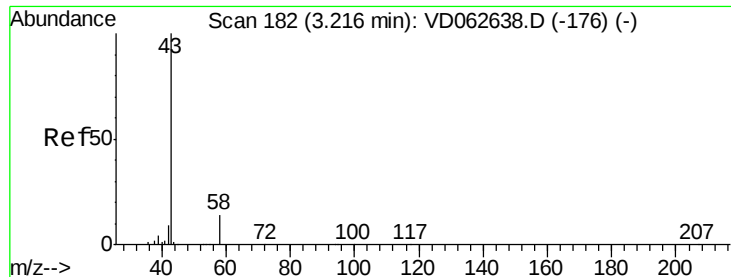
#13
Acrolein
Concen: 1.368 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): V
Ion 55.00 (54.70 to 55.70): V





#16

Acetone

Concen: 1.365 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062727.D

Acq: 17 Jun 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

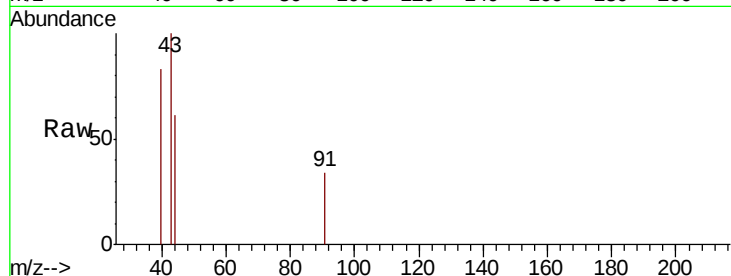
JC-02-061419-C

Tot Ion: 43 Resp: 2584

Ion Ratio Lower Upper

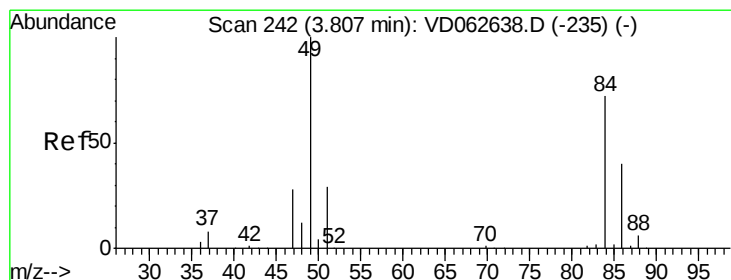
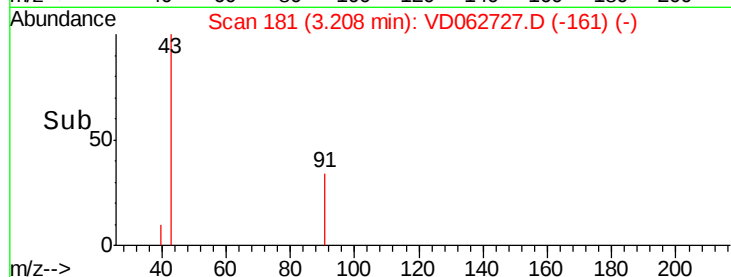
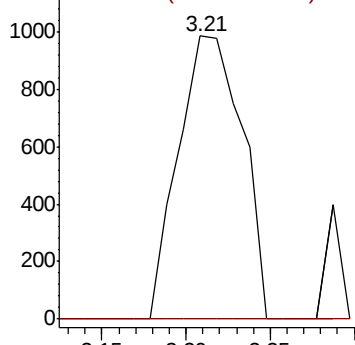
43 100

58 0.0 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.016 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD062727.D

Acq: 17 Jun 2019 15:29

Tgt Ion: 84 Resp: 10360

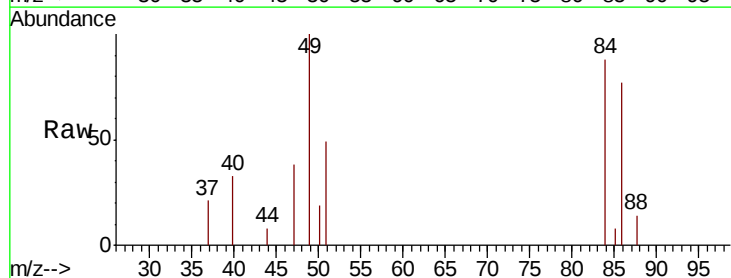
Ion Ratio Lower Upper

84 100

49 113.3 111.2 166.8

51 55.5 31.9 47.9#

86 87.1 44.7 67.1#

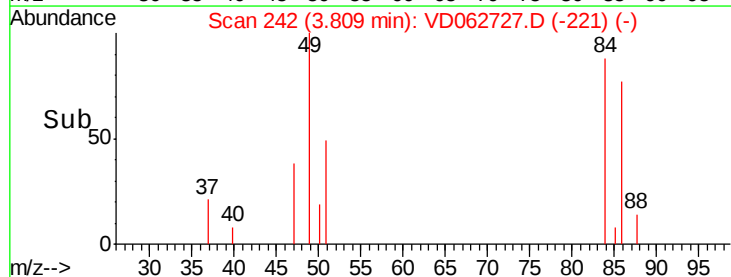
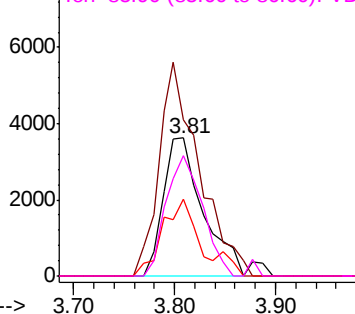


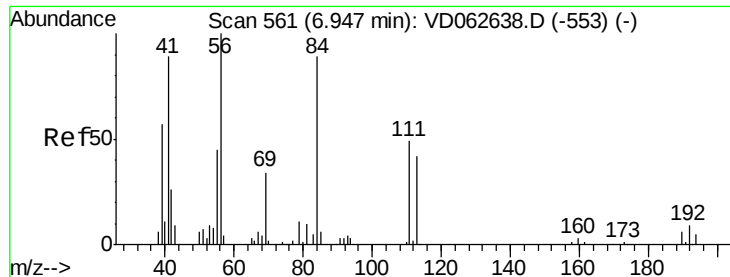
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

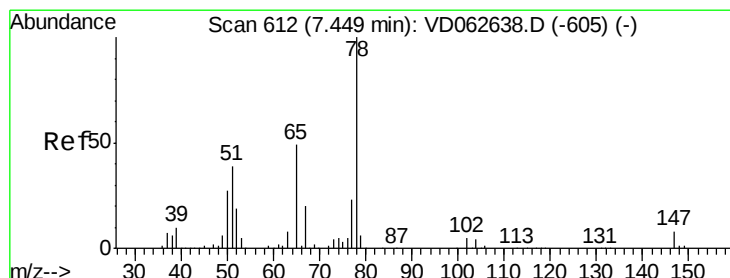
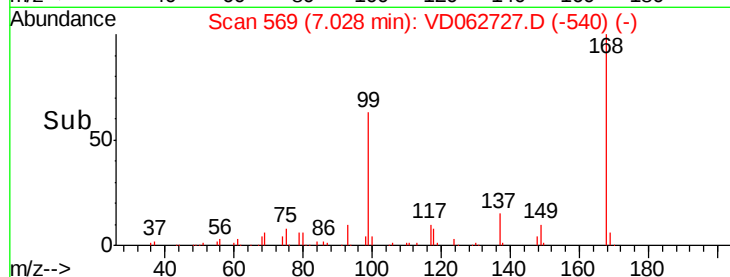
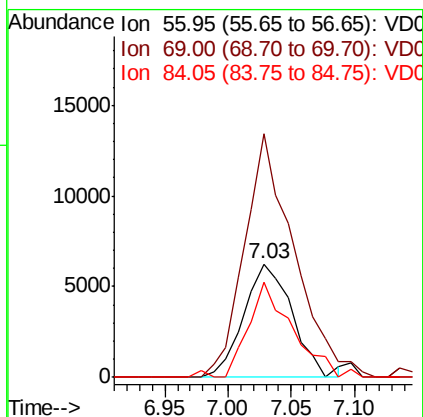
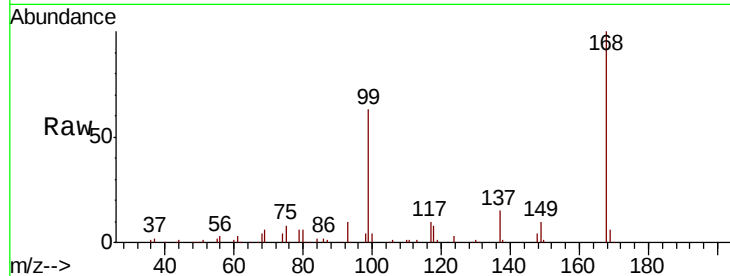




#31
Cyclohexane
Concen: 2.061 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

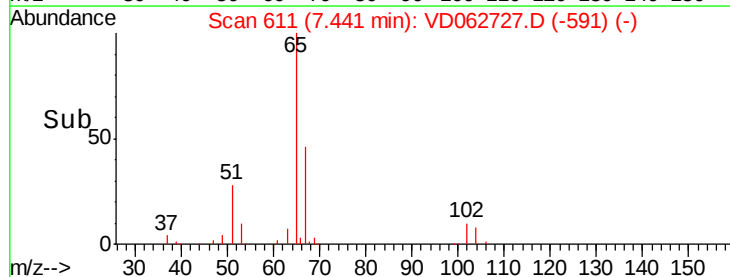
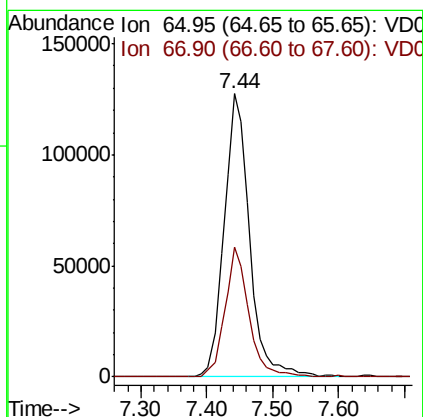
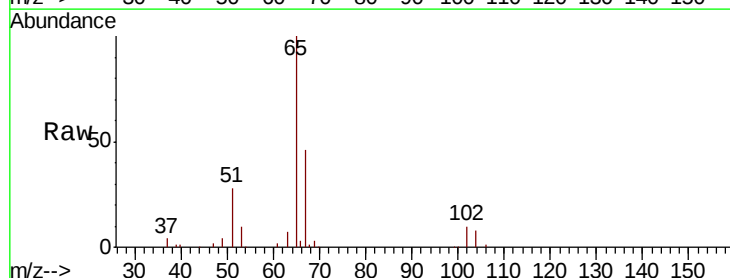
Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-C

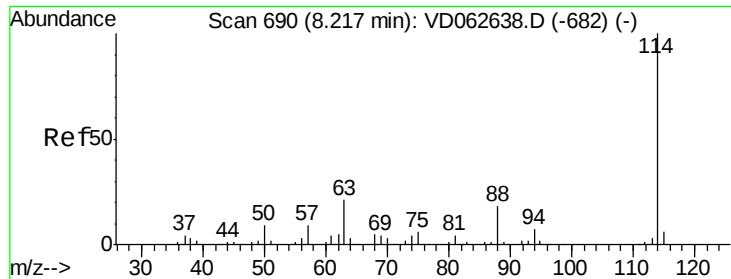
Tot Ion: 56 Resp: 16815
Ion Ratio Lower Upper
56 100
69 214.9 26.8 40.2#
84 84.3 73.9 110.9



#33
1,2-Dichloroethane-d4
Concen: 33.227 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

Tgt Ion: 65 Resp: 343539
Ion Ratio Lower Upper
65 100
67 45.9 0.0 81.8

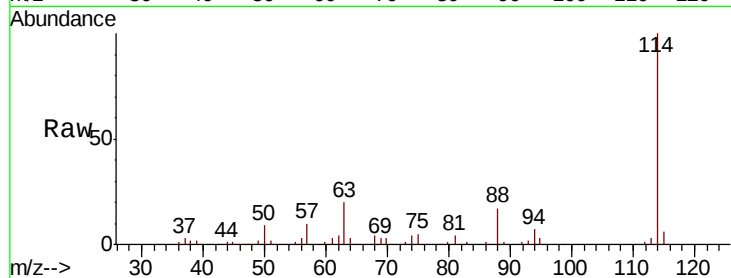




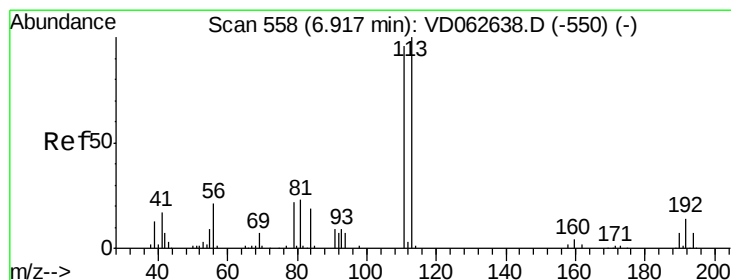
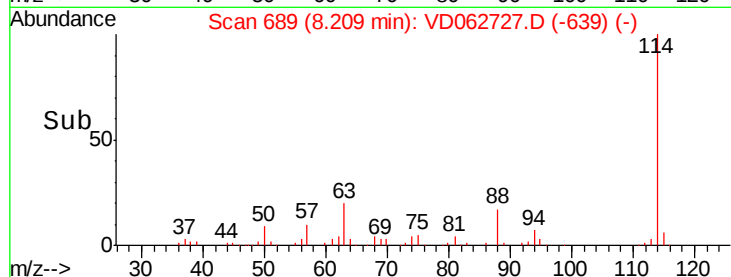
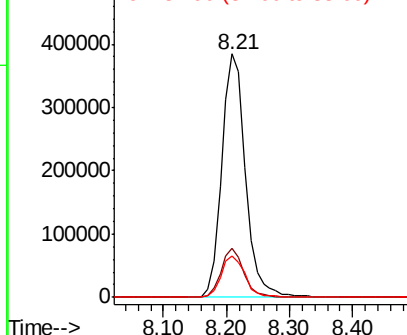
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 689
Delta R.T. -0.01 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-C

Tot Ion:114 Resp: 1004095
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.4
88 16.9 0.0 36.8

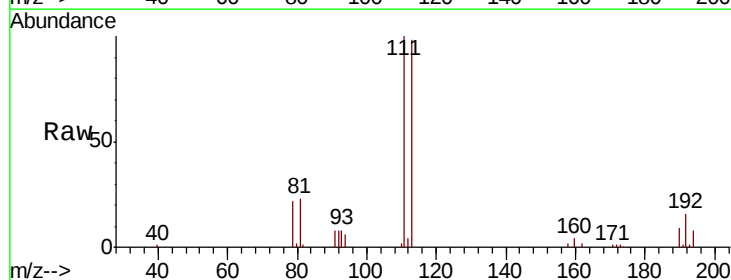


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

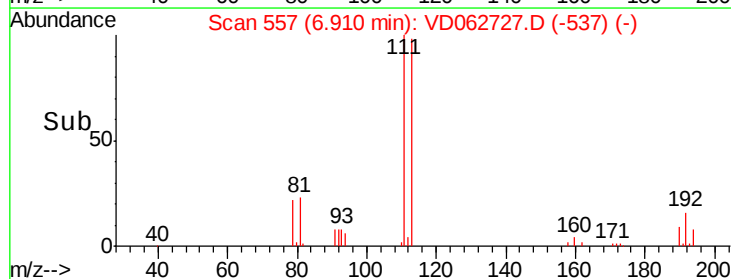
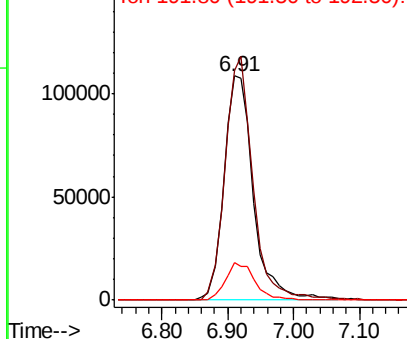


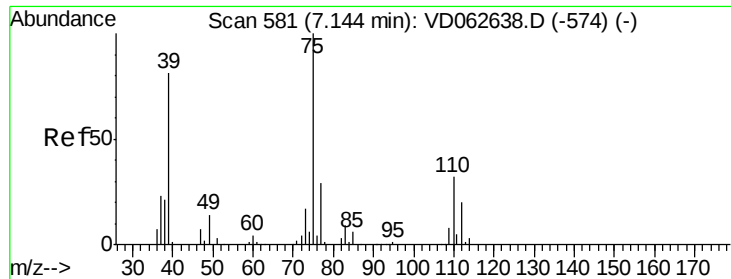
#35
Dibromofluoromethane
Concen: 31.931 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.01 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

Tgt Ion:113 Resp: 338136
Ion Ratio Lower Upper
113 100
111 102.2 76.4 114.6
192 16.6 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

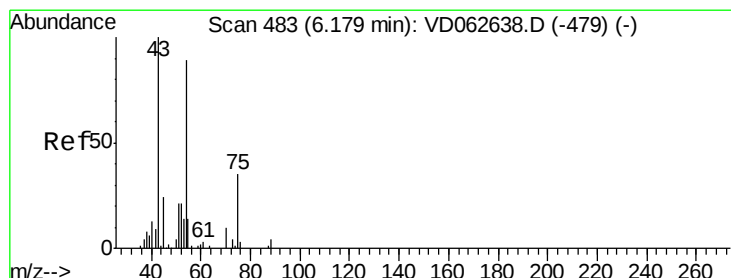
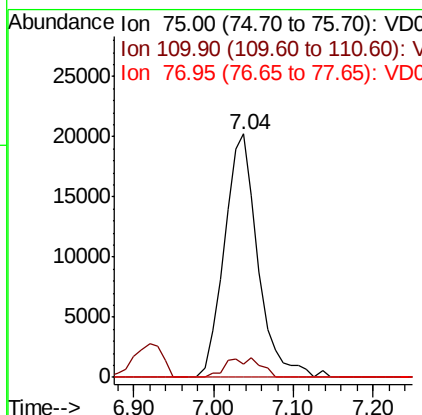
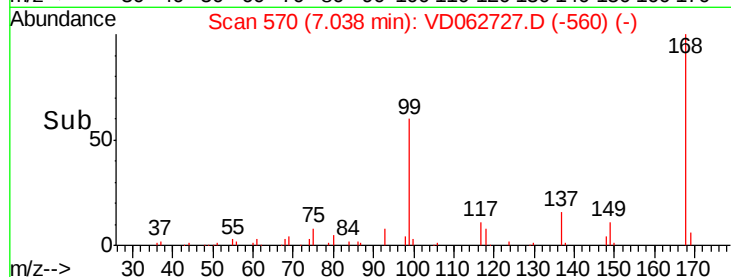
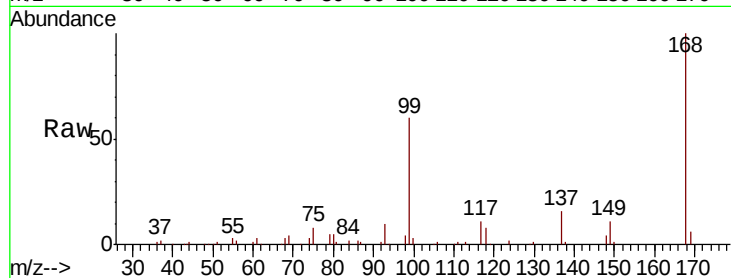




#36
 1,1-Dichloropropene
 Concen: 5.169 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062727.D
 Acq: 17 Jun 2019 15:29

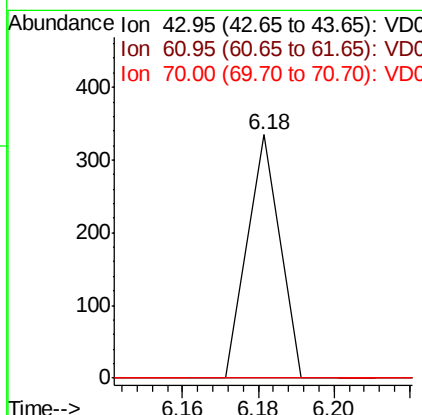
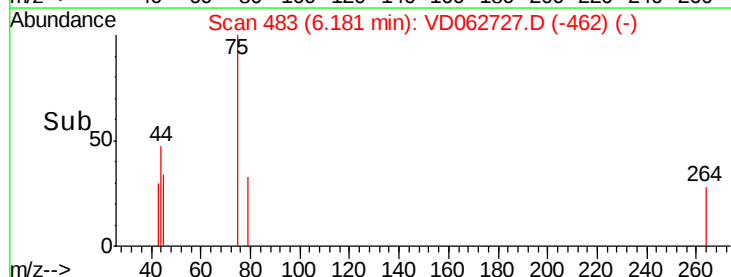
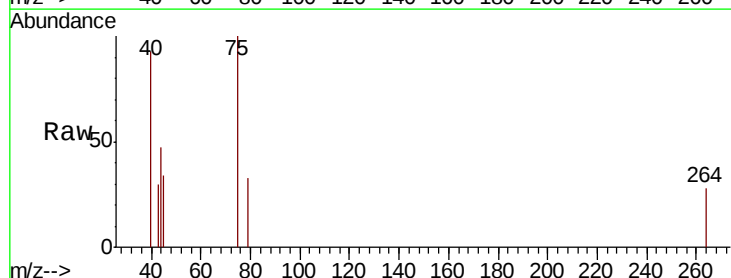
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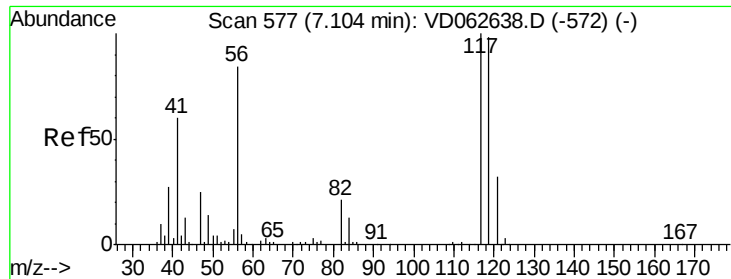
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.7	15.9	47.7#
77	0.0	23.3	34.9#



#37
 Ethyl Acetate
 Concen: 1.240 ug/l
 RT: 6.18 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VD062727.D
 Acq: 17 Jun 2019 15:29

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	8.7	13.1#
70	0.0	6.5	9.7#

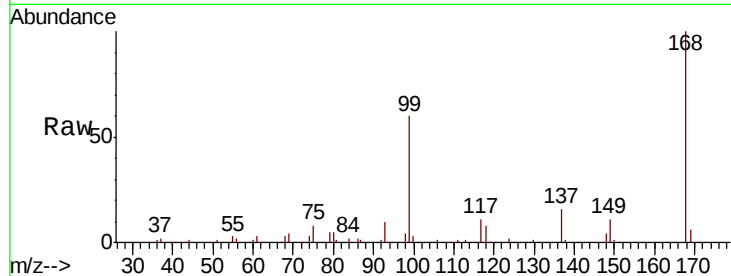




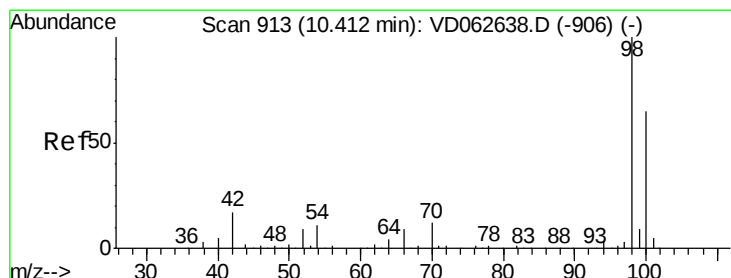
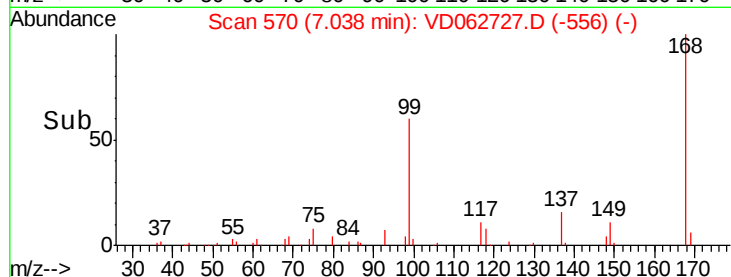
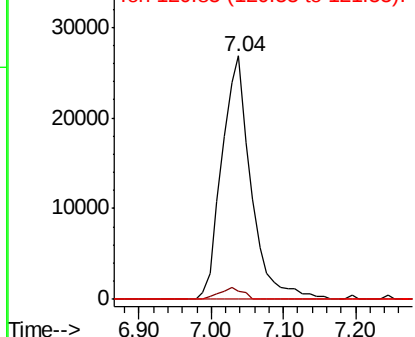
#38
Carbon Tetrachloride
Concen: 4.151 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-C

Tot Ion:117 Resp: 75394
Ion Ratio Lower Upper
117 100
119 3.4 73.5 110.3#
121 0.0 24.2 36.4#

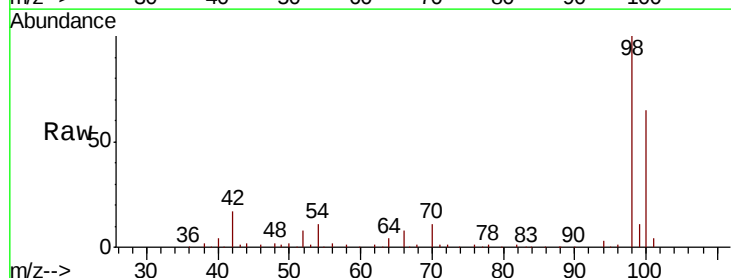


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

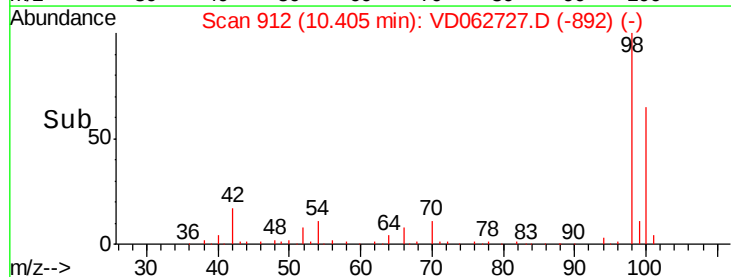
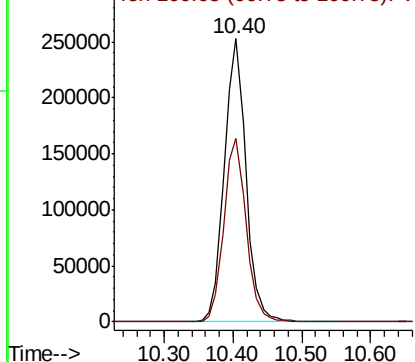


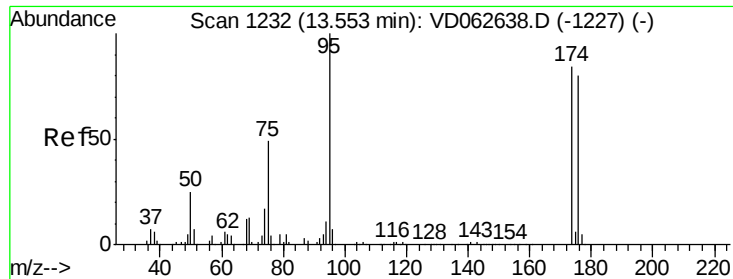
#50
Toluene-d8
Concen: 24.725 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

Tgt Ion: 98 Resp: 550783
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



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

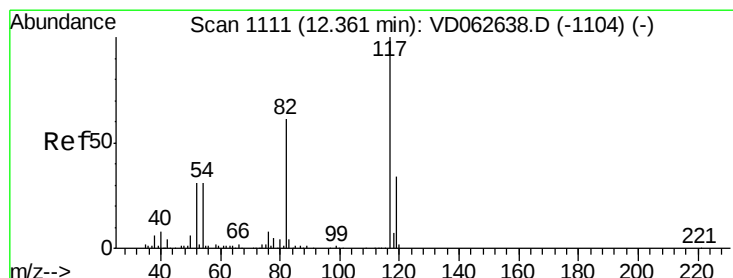
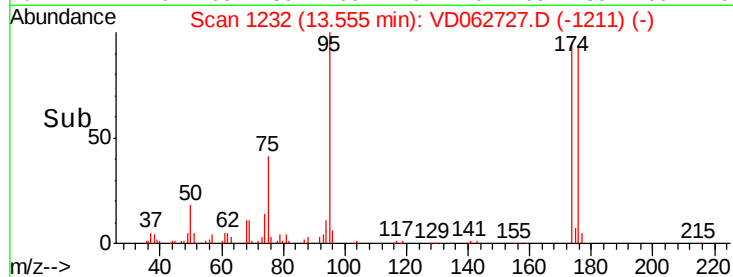
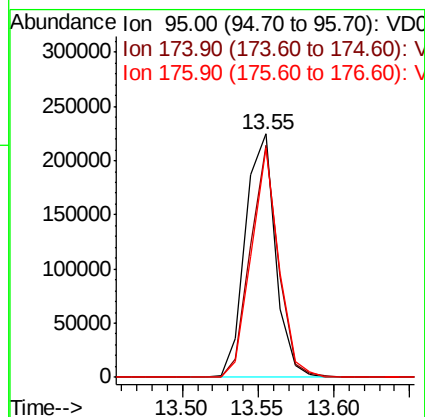
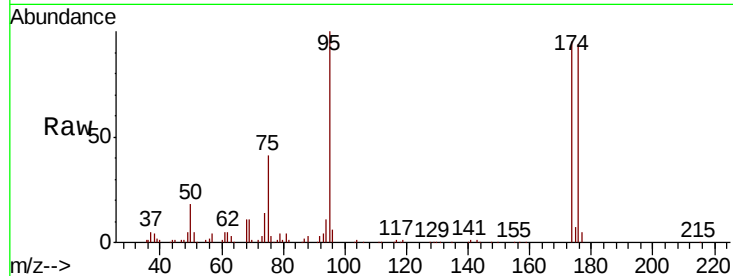




#62
4-Bromofluorobenzene
Concen: 29.937 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

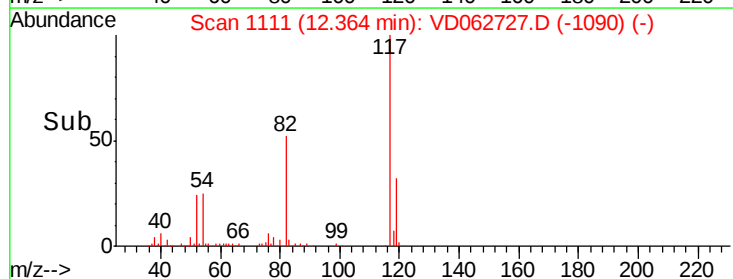
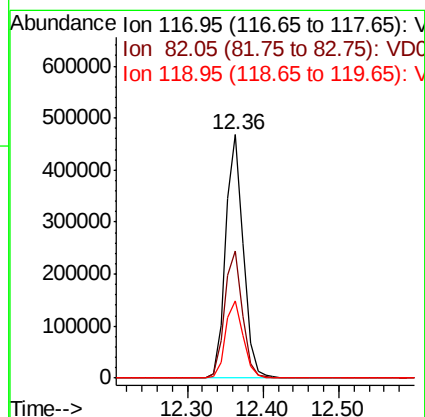
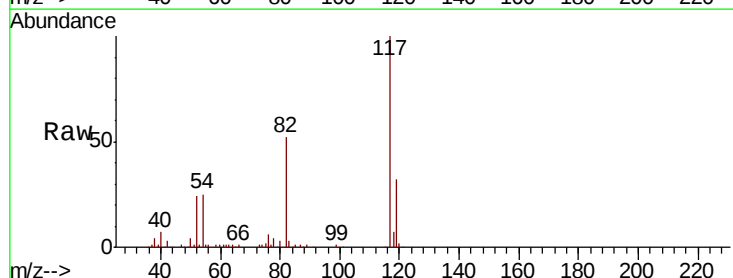
Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-C

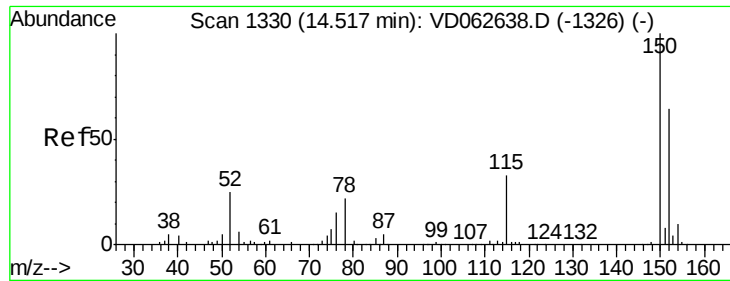
Tot Ion: 95 Resp: 311127
Ion Ratio Lower Upper
95 100
174 95.2 0.0 167.0
176 94.0 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062727.D
Acq: 17 Jun 2019 15:29

Tgt Ion: 117 Resp: 757170
Ion Ratio Lower Upper
117 100
82 52.4 48.7 73.1
119 31.5 27.0 40.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062727.D

Acq: 17 Jun 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

JC-02-061419-C

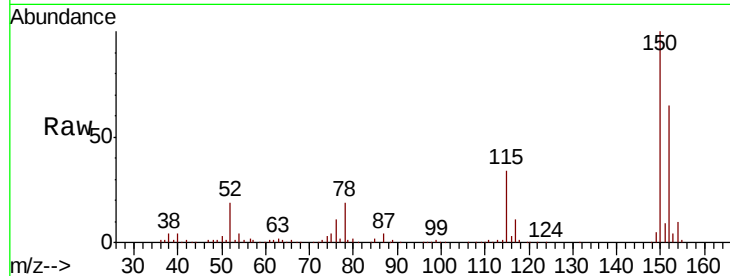
Tot Ion:152 Resp: 367455

Ion Ratio Lower Upper

152 100

115 53.1 30.1 90.5

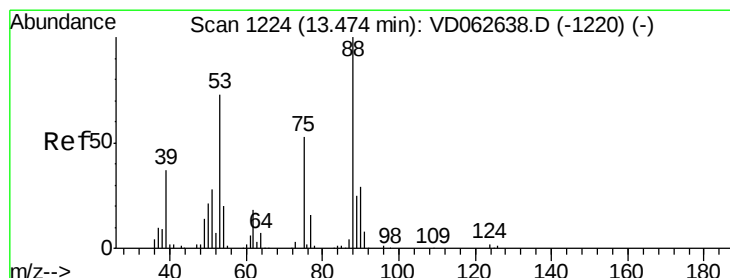
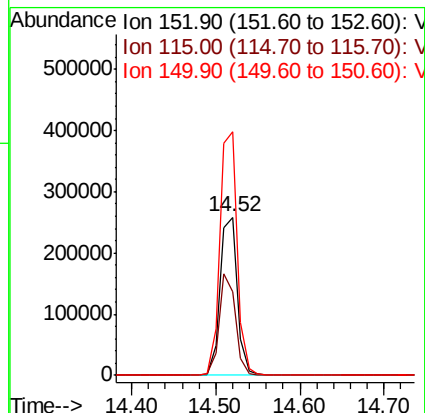
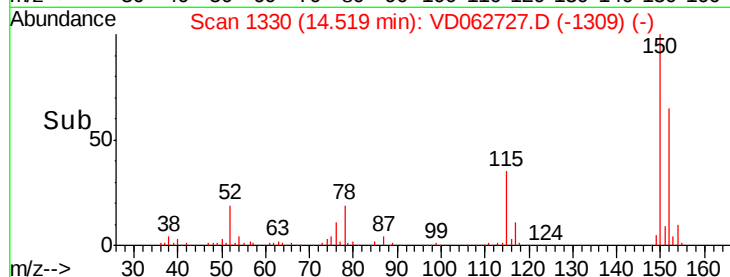
150 154.0 0.0 314.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 94.392 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062727.D

Acq: 17 Jun 2019 15:29

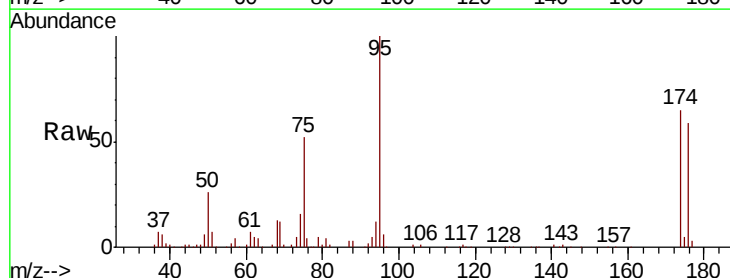
Tgt Ion: 75 Resp: 145009

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

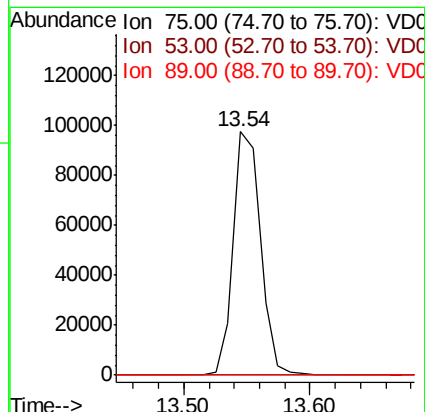
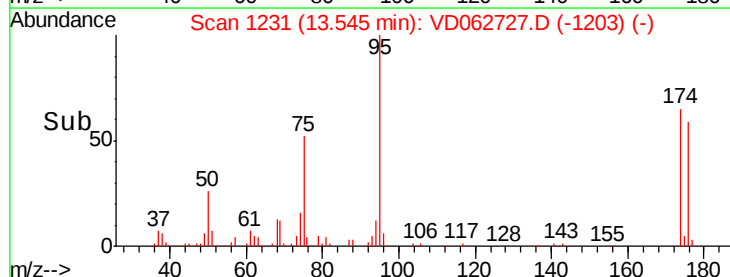
89 0.0 37.0 55.6#

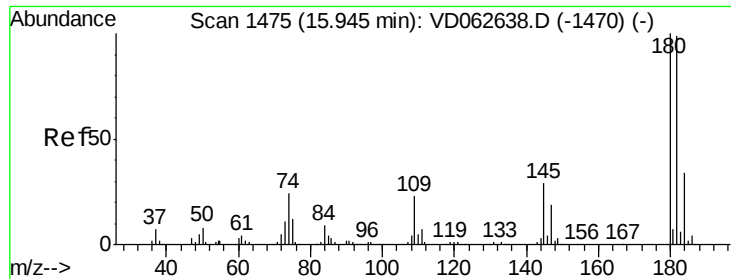


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

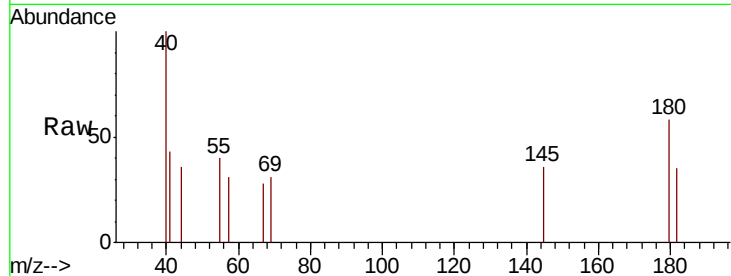




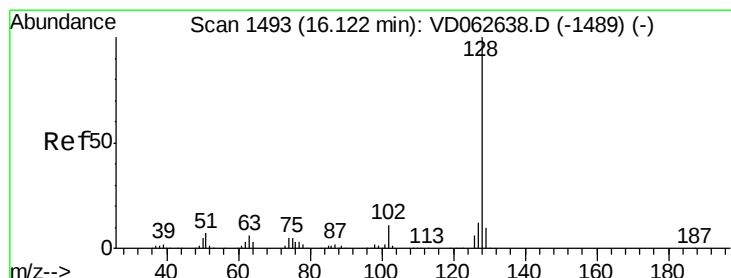
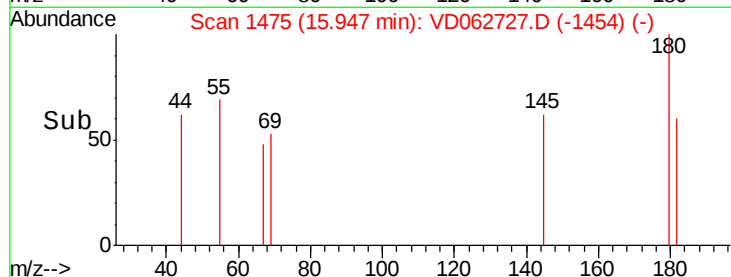
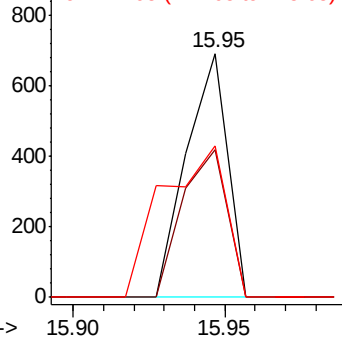
#93
 1,2,4-Trichlorobenzene
 Concen: 3.632 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062727.D
 Acq: 17 Jun 2019 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-061419-C

Tot Ion:180 Resp: 648
 Ion Ratio Lower Upper
 180 100
 182 60.3 49.4 148.2
 145 61.9 14.5 43.6#

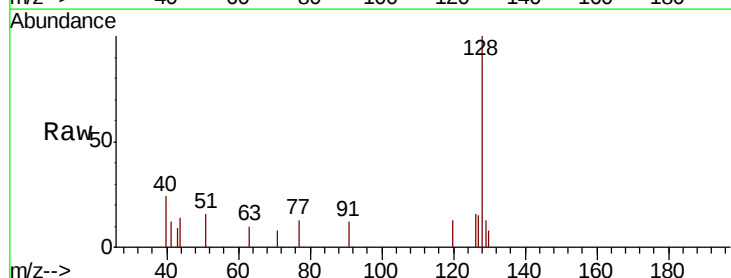


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.767 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062727.D
 Acq: 17 Jun 2019 15:29

Tgt Ion:128 Resp: 4553
 Ion Ratio Lower Upper
 128 100
 127 14.5 9.7 14.5
 129 13.1 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

