

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062681.D
 Acq On : 12 Jun 2019 18:25
 Operator : VA/AP
 Sample : K3294-01RE
 Misc : 4.72g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S1(0-5)RE

Quant Time: Jun 13 07:25:50 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	775037	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1064411	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	817694	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	442115	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	302969	27.09	ug/l	-0.02
Spiked Amount			Recovery	=	54.18%	
35) Dibromofluoromethane	6.91	113	1789	0.16	ug/l	-0.01
Spiked Amount			Recovery	=	0.32%	
50) Toluene-d8	10.39	98	725738	30.73	ug/l	-0.02
Spiked Amount			Recovery	=	61.46%	
62) 4-Bromofluorobenzene	13.54	95	323484	29.36	ug/l	-0.01
Spiked Amount			Recovery	=	58.72%	

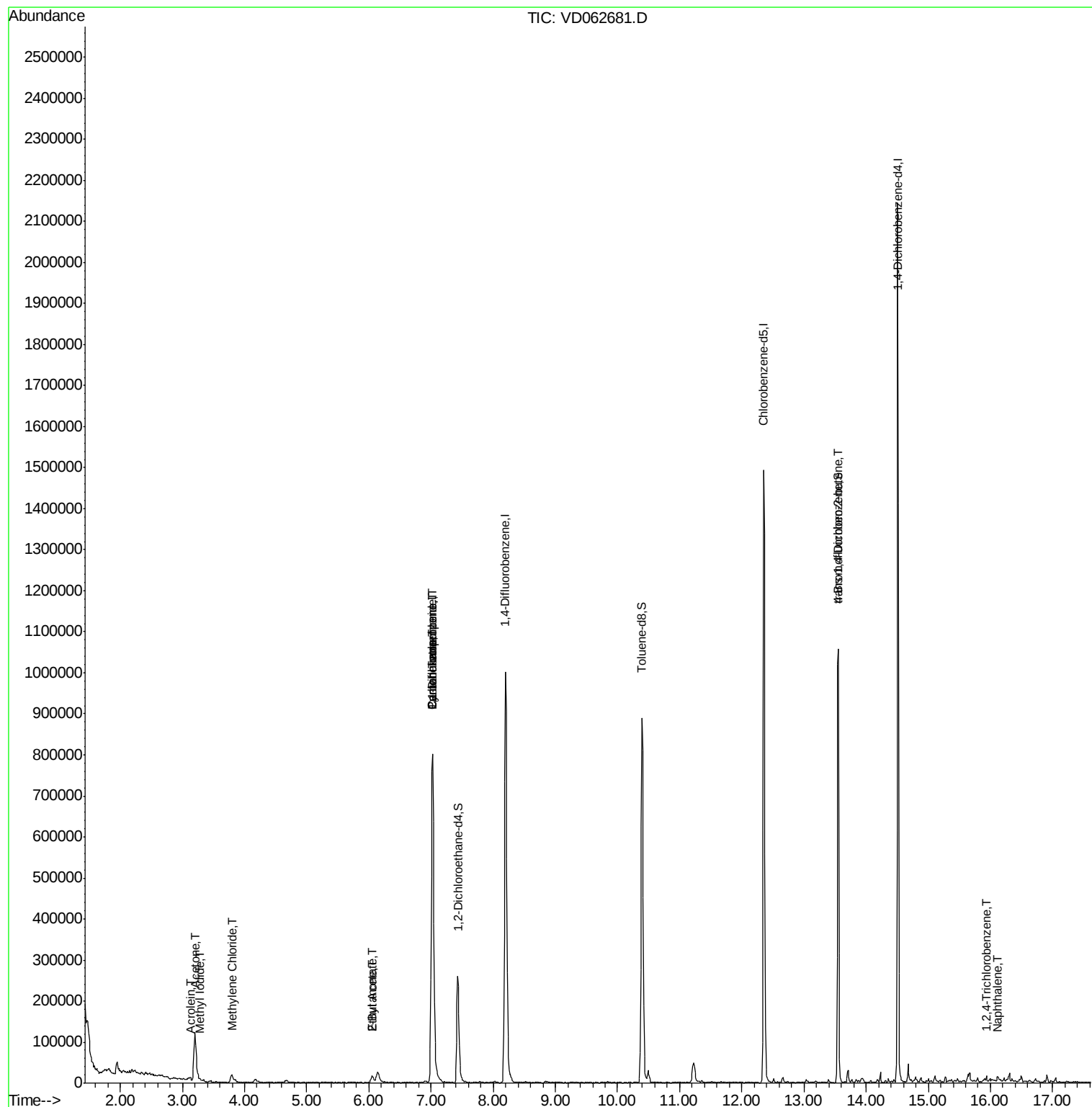
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1276	Below Cal	#	42
10) Methyl Iodide	3.28	142	1720	4.123	ug/l #	50
13) Acrolein	3.12	56	271	1.833	ug/l	99
16) Acetone	3.21	43	250293	122.218	ug/l	95
20) Methylene Chloride	3.79	84	11803	1.093	ug/l #	84
25) 2-Butanone	6.05	43	36416	18.227	ug/l #	78
31) Cyclohexane	7.03	56	18187	2.061	ug/l #	19
36) 1,1-Dichloropropene	7.02	75	65185	5.351	ug/l #	52
37) Ethyl Acetate	6.05	43	36416	8.043	ug/l #	74
38) Carbon Tetrachloride	7.03	117	78166	4.059	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	155707	84.659	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.93	180	1832	3.718	ug/l	85
95) Naphthalene	16.12	128	7732	3.898	ug/l	98

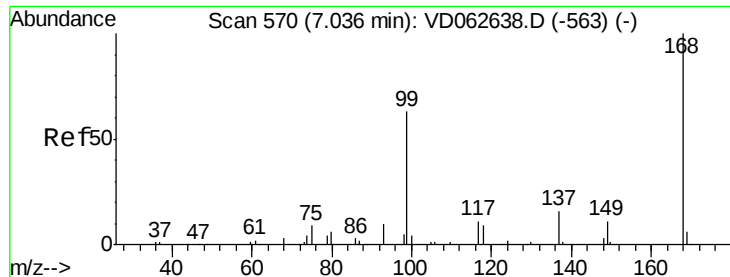
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

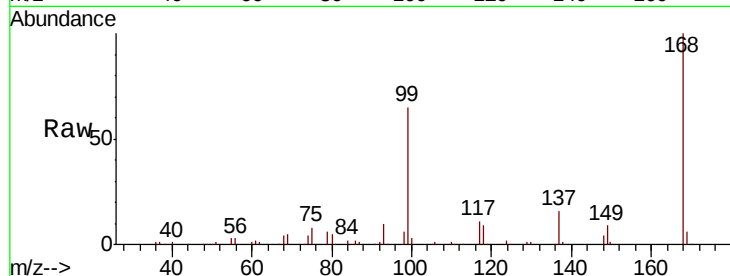
S1(0-5)RE

Tot Ion:168 Resp: 775037

Ion Ratio Lower Upper

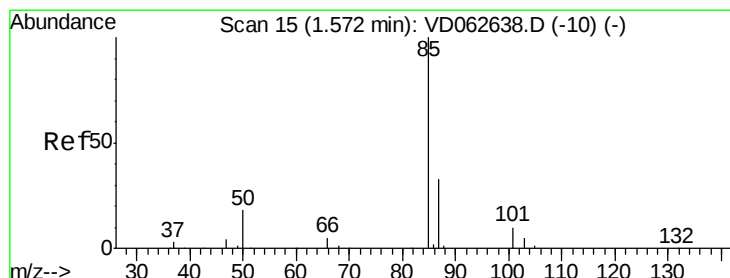
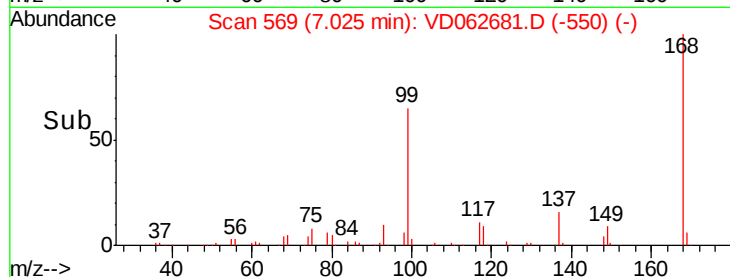
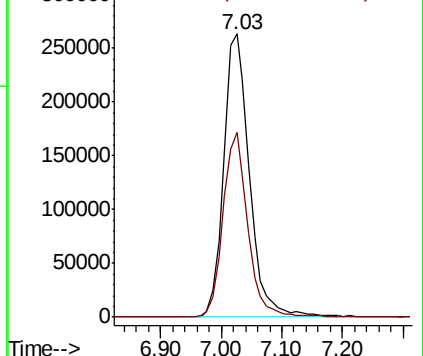
168 100

99 65.2 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: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062681.D

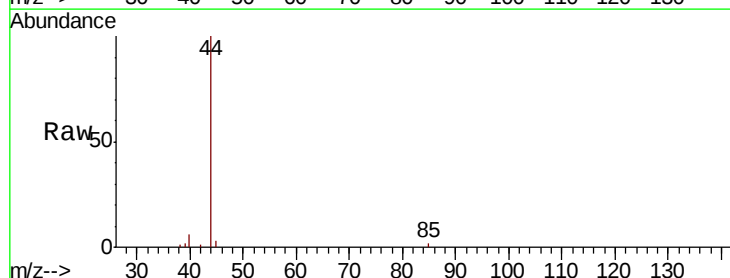
Acq: 12 Jun 2019 18:25

Tgt Ion: 85 Resp: 1276

Ion Ratio Lower Upper

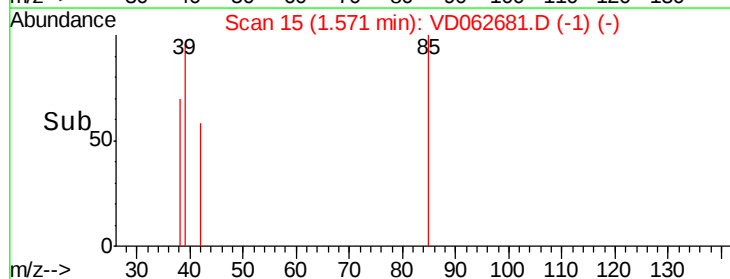
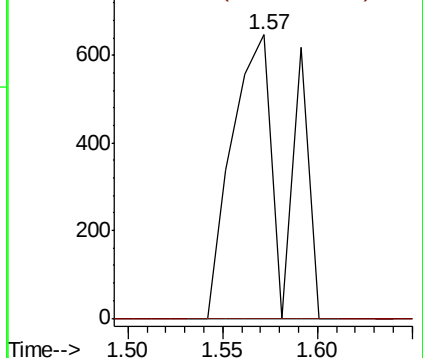
85 100

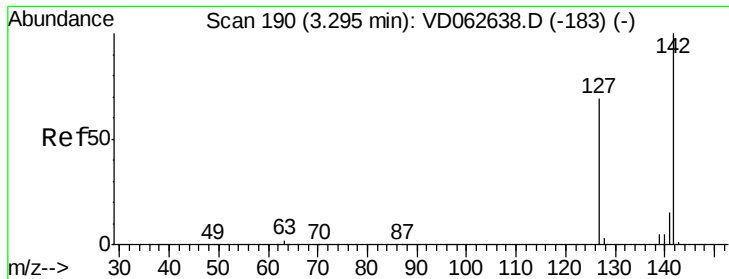
87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

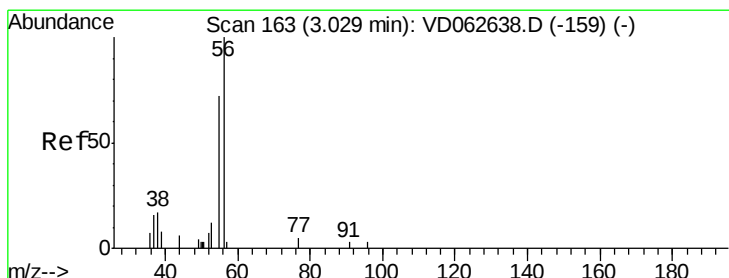
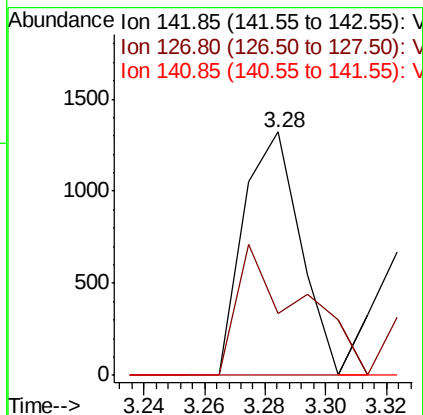
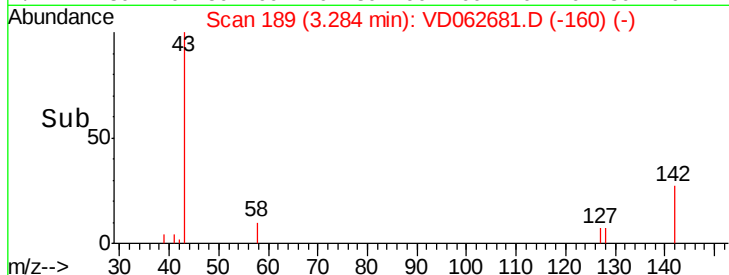
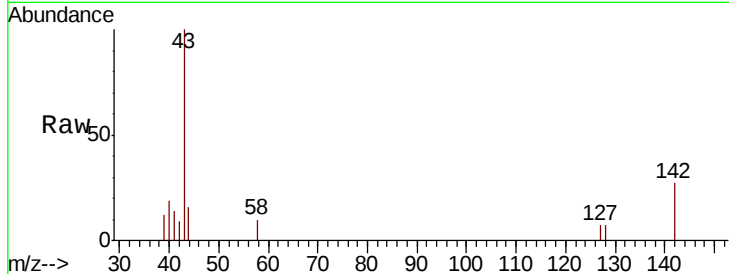




#10
Methvl Iodide
Concen: 4.123 ug/l
RT: 3.28 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD062681.D
Acq: 12 Jun 2019 18:25

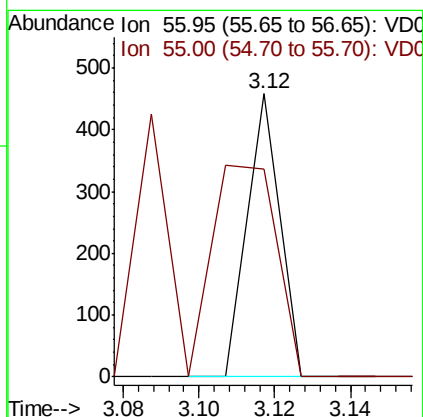
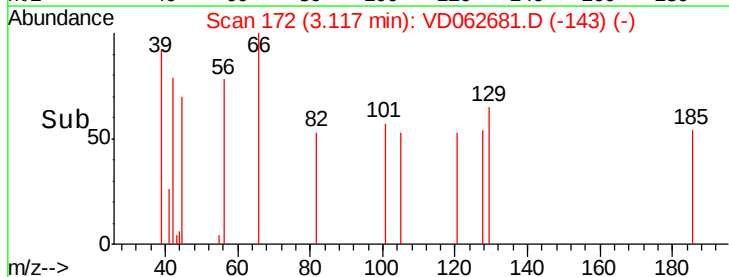
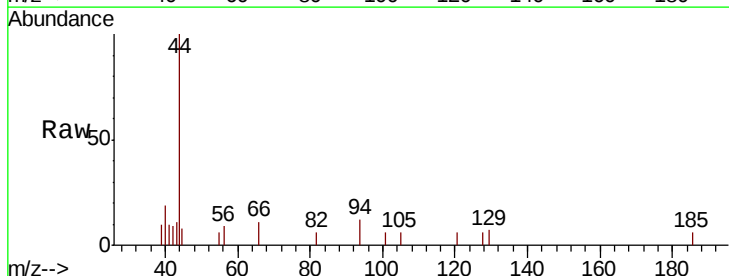
Instrument :
MSVOA_D
ClientSampleId :
S1(0-5)RE

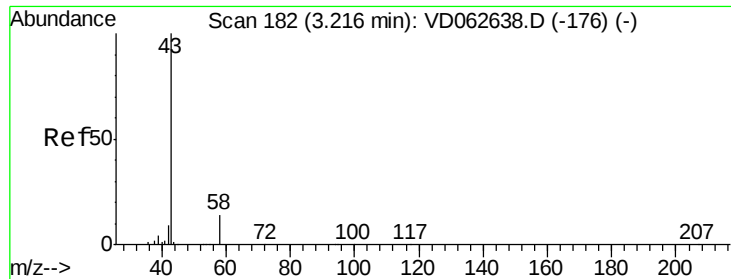
Tot Ion:142 Resp: 1720
Ion Ratio Lower Upper
142 100
127 25.6 55.2 82.8#
141 0.0 12.1 18.1#



#13
Acrolein
Concen: 1.833 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.09 min
Lab File: VD062681.D
Acq: 12 Jun 2019 18:25

Tgt Ion: 56 Resp: 271
Ion Ratio Lower Upper
56 100
55 73.4 59.4 89.0





#16

Acetone

Concen: 122.218 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

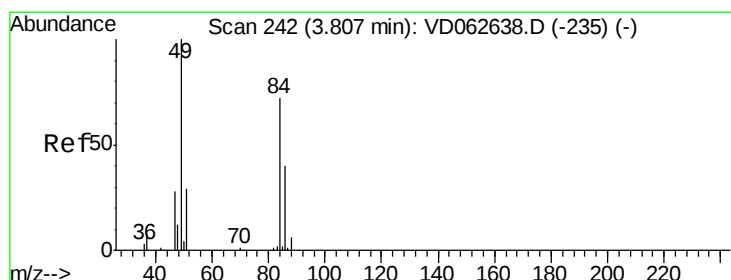
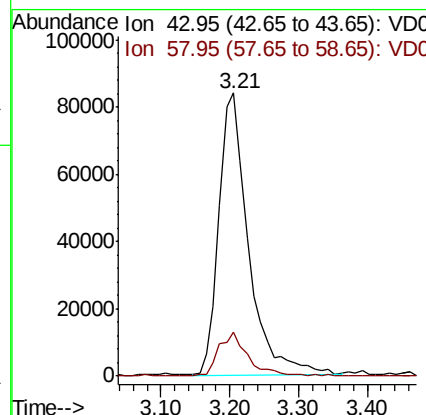
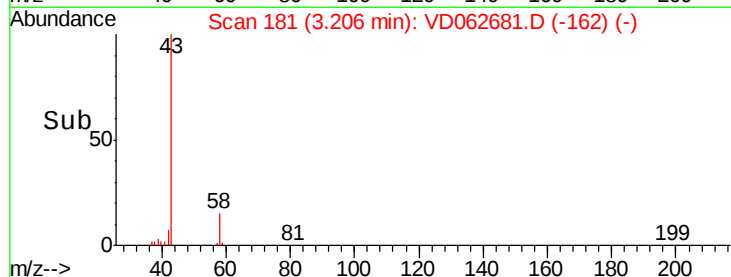
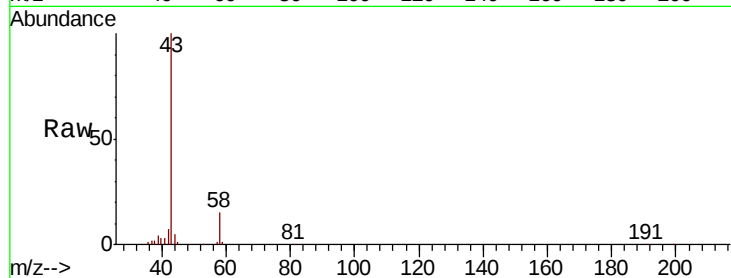
S1(0-5)RE

Tot Ion: 43 Resp: 250293

Ion Ratio Lower Upper

43 100

58 15.4 10.8 16.2



#20

Methylene Chloride

Concen: 1.093 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

Tgt Ion: 84 Resp: 11803

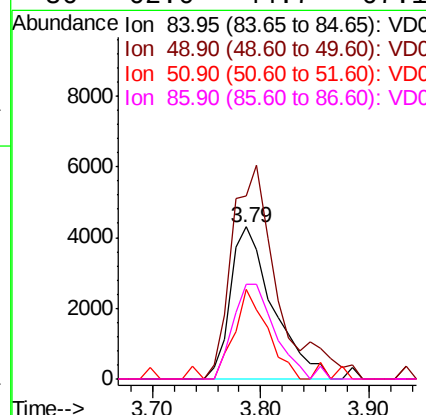
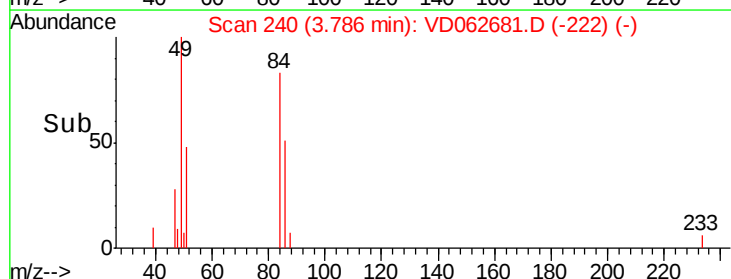
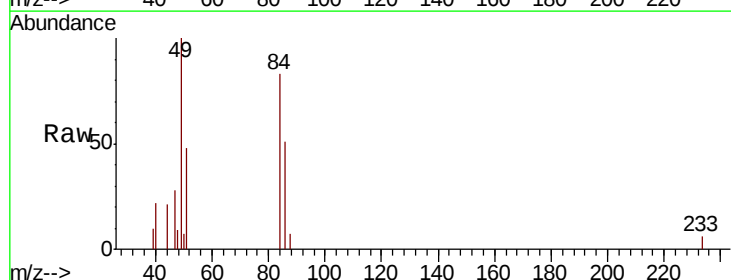
Ion Ratio Lower Upper

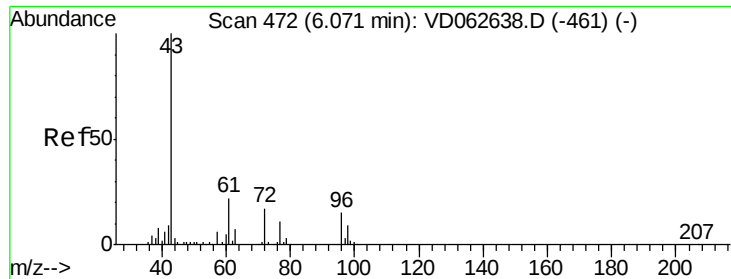
84 100

49 120.9 111.2 166.8

51 58.6 31.9 47.9#

86 62.0 44.7 67.1





#25

2-Butanone

Concen: 18.227 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampled :

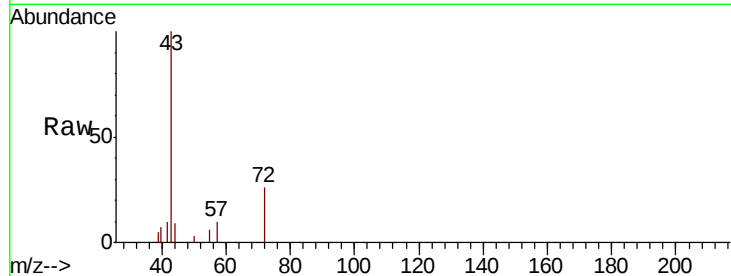
S1(0-5)RE

Tot Ion: 43 Resp: 36416

Ion Ratio Lower Upper

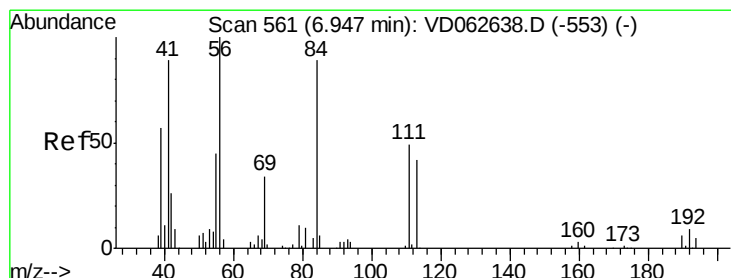
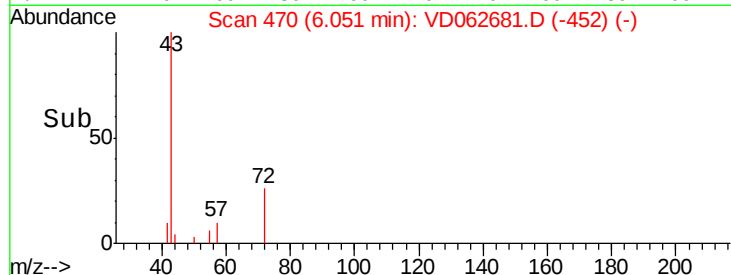
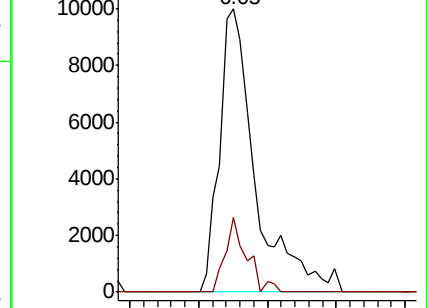
43 100

72 26.3 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.061 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.08 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

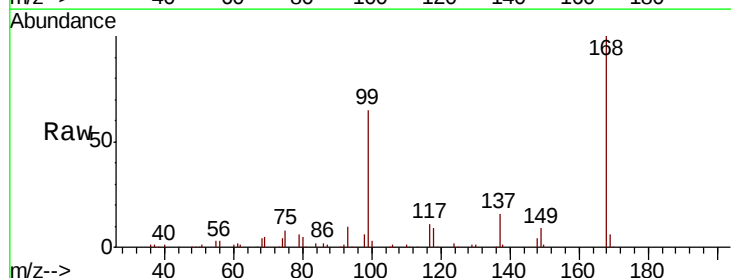
Tgt Ion: 56 Resp: 18187

Ion Ratio Lower Upper

56 100

69 154.5 26.8 40.2#

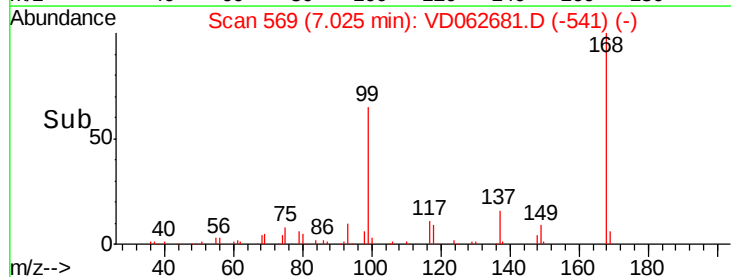
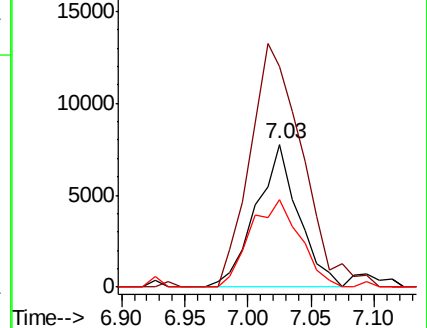
84 61.0 73.9 110.9#

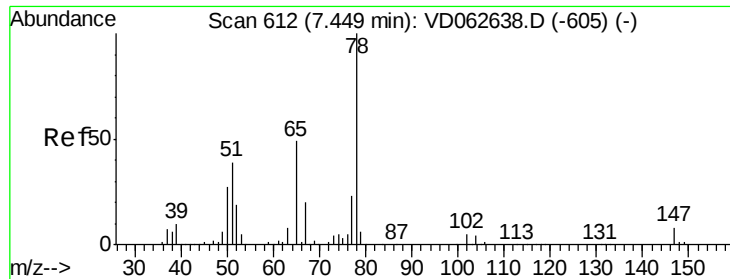


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

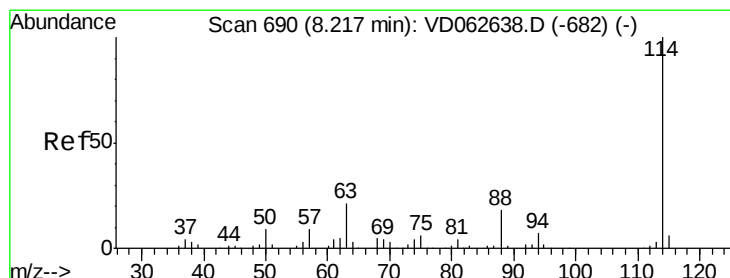
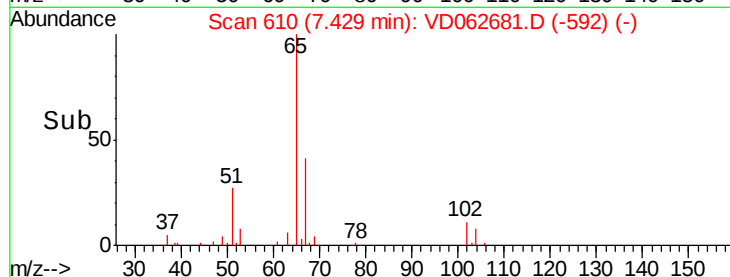
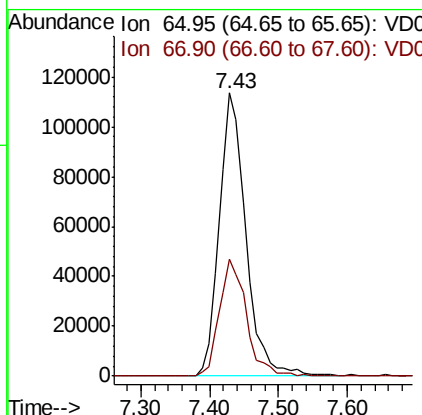
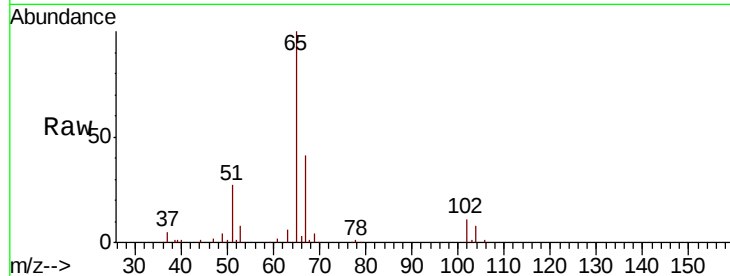




#33
 1,2-Dichloroethane-d4
 Concen: 27.090 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: VD062681.D
 Acq: 12 Jun 2019 18:25

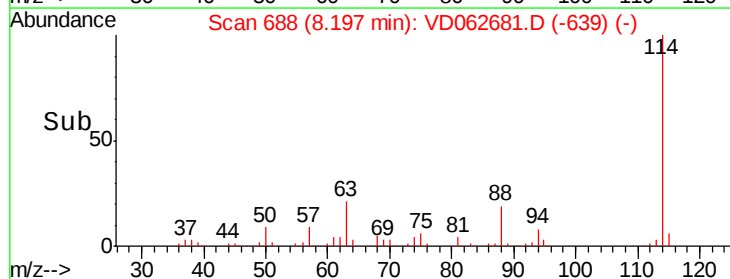
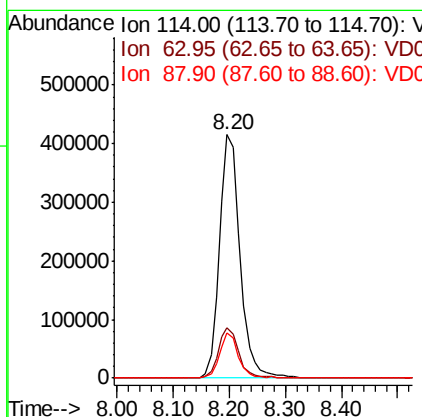
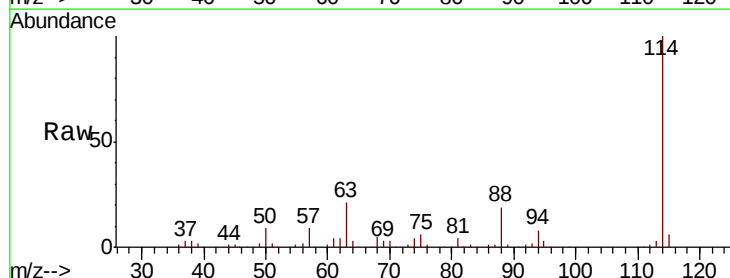
Instrument :
 MSVOA_D
 ClientSampleId :
 S1(0-5)RE

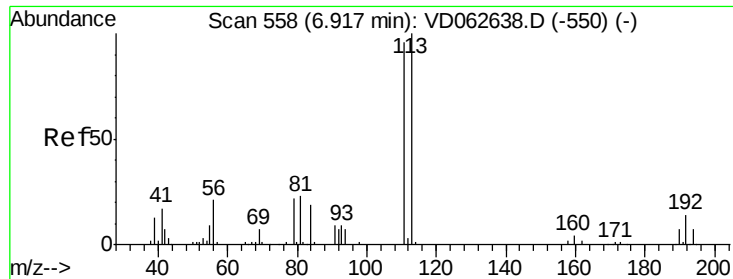
Tot Ion: 65 Resp: 302969
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062681.D
 Acq: 12 Jun 2019 18:25

Tgt Ion: 114 Resp: 1064411
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 18.6 0.0 36.8





#35

Dibromofluoromethane

Concen: 0.159 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

S1(0-5)RE

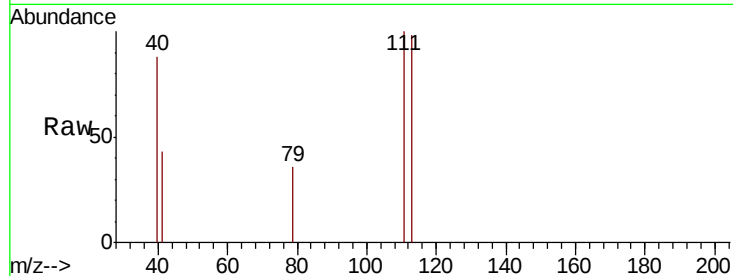
Tot Ion:113 Resp: 1789

Ion Ratio Lower Upper

113 100

111 102.2 76.4 114.6

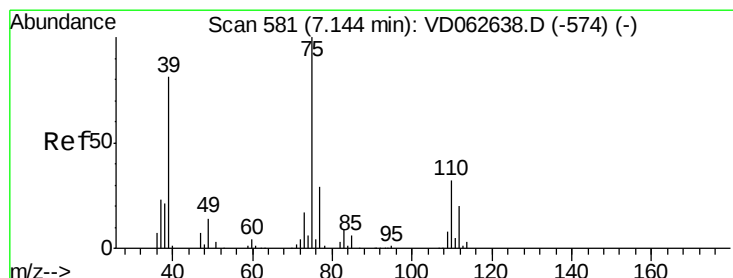
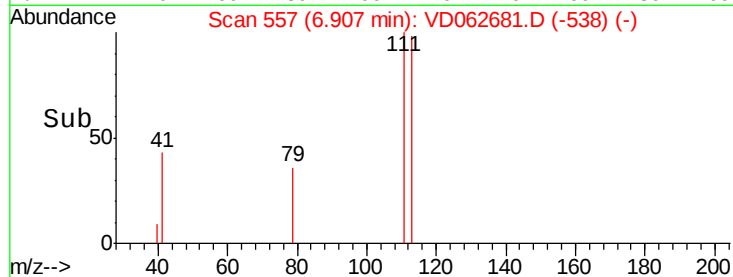
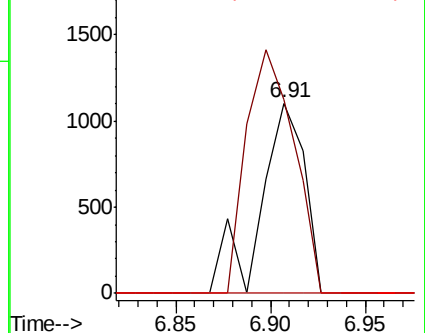
192 0.0 11.4 17.0#



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: 5.351 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.13 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

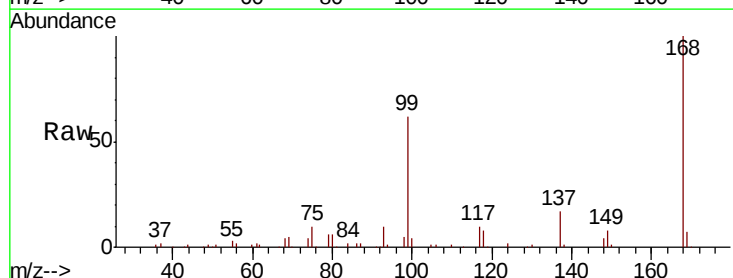
Tgt Ion: 75 Resp: 65185

Ion Ratio Lower Upper

75 100

110 8.2 15.9 47.7#

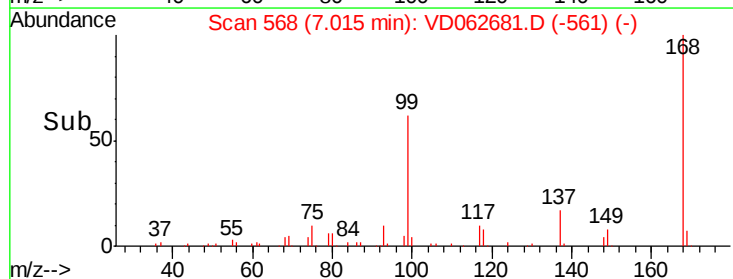
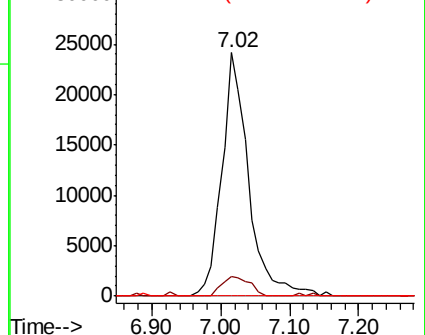
77 0.0 23.3 34.9#

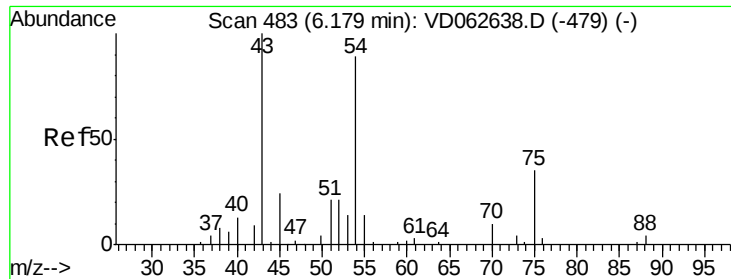


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

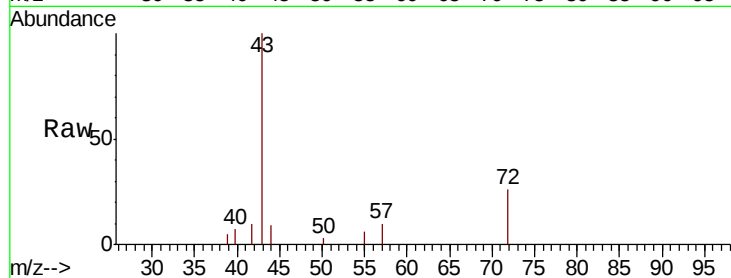




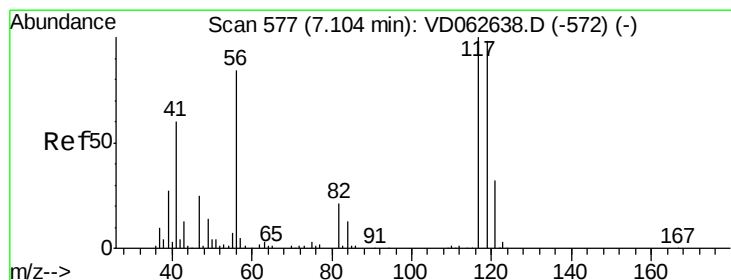
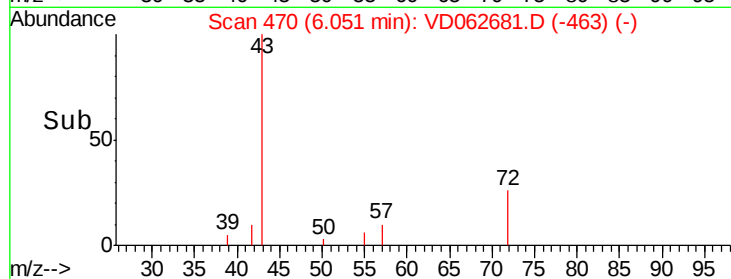
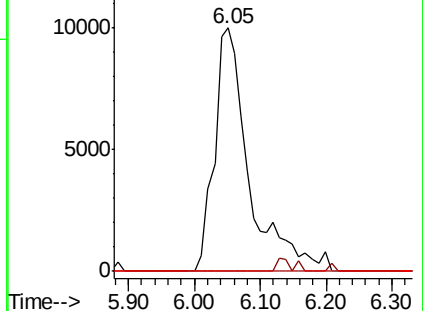
#37
Ethyl Acetate
Concen: 8.043 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.13 min
Lab File: VD062681.D
Acq: 12 Jun 2019 18:25

Instrument :
MSVOA_D
ClientSampleId :
S1(0-5)RE

Tot Ion: 43 Resp: 36416
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#

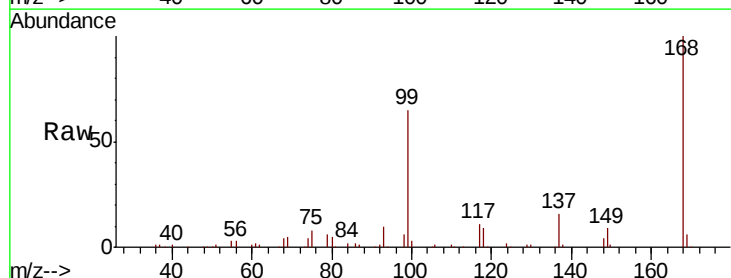


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

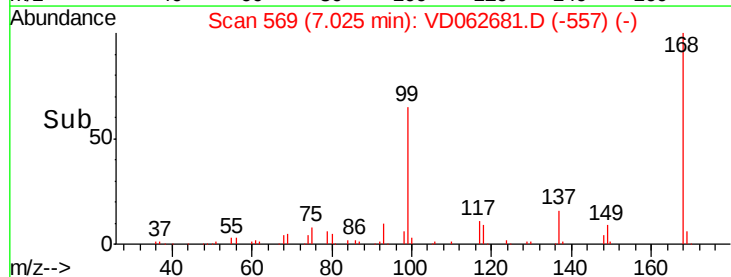
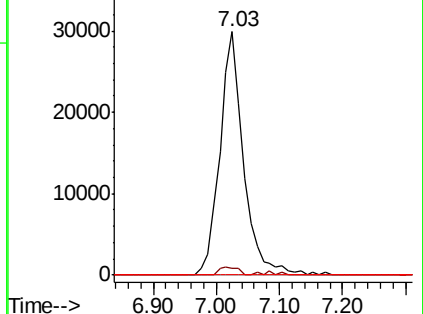


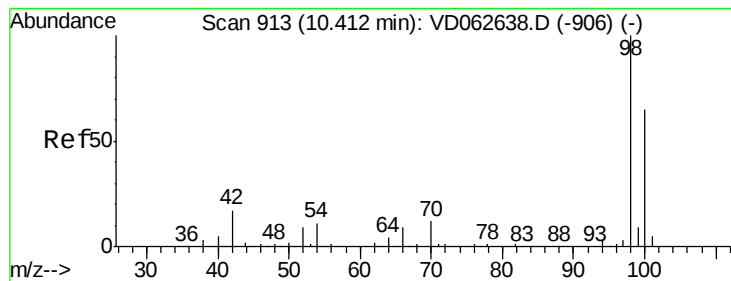
#38
Carbon Tetrachloride
Concen: 4.059 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.08 min
Lab File: VD062681.D
Acq: 12 Jun 2019 18:25

Tgt Ion: 117 Resp: 78166
Ion Ratio Lower Upper
117 100
119 2.7 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: 30.732 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

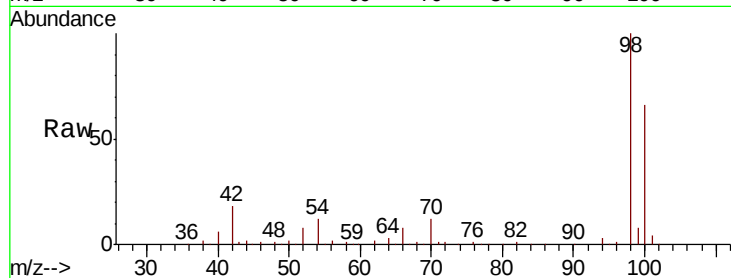
S1(0-5)RE

Tot Ion: 98 Resp: 725738

Ion Ratio Lower Upper

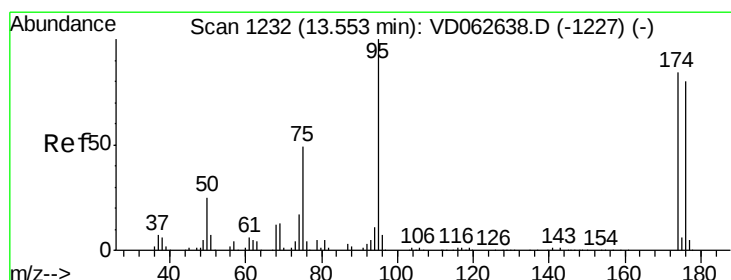
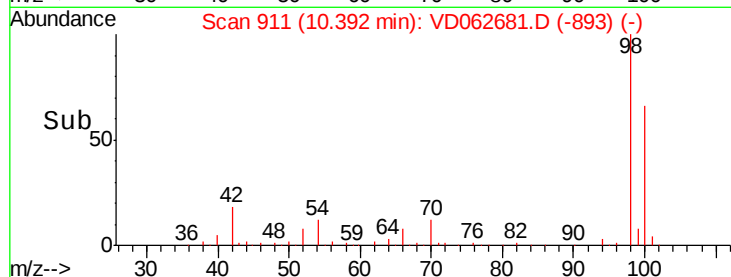
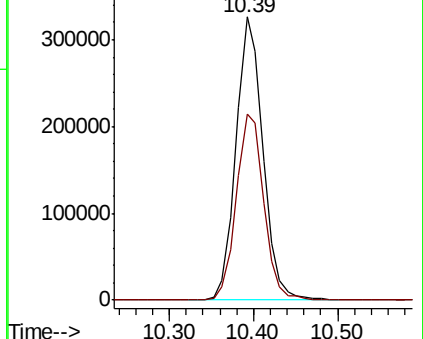
98 100

100 65.8 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 29.362 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

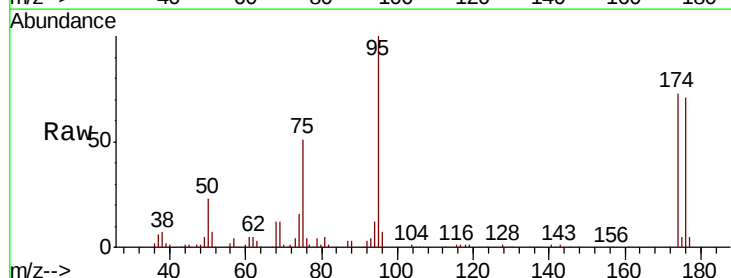
Tgt Ion: 95 Resp: 323484

Ion Ratio Lower Upper

95 100

174 72.5 0.0 167.0

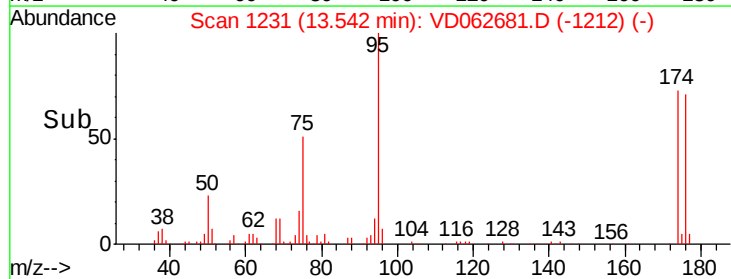
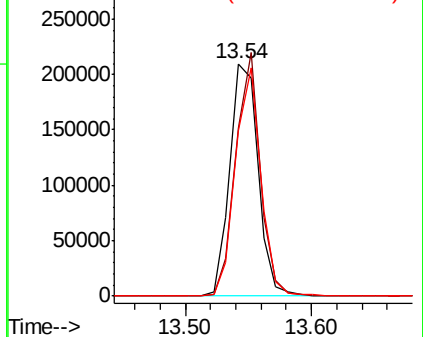
176 71.0 0.0 159.2

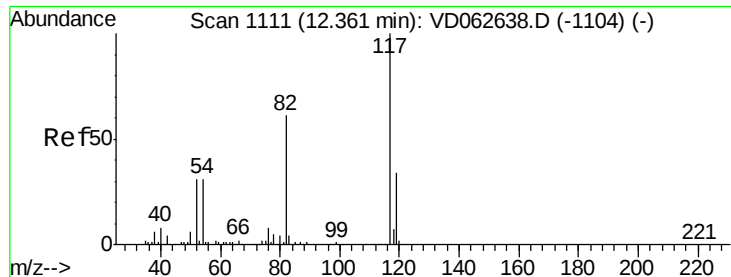


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

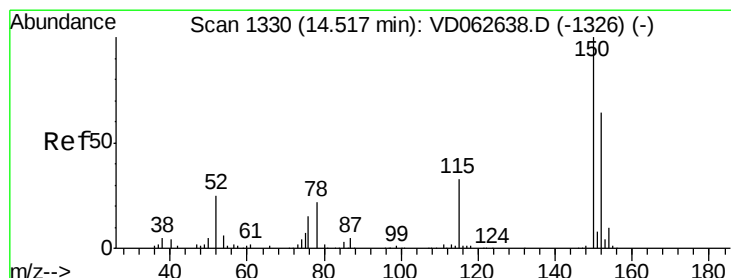
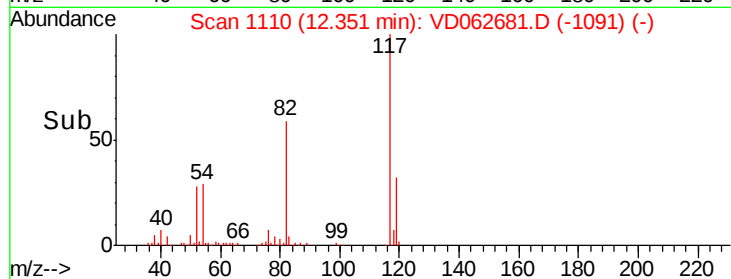
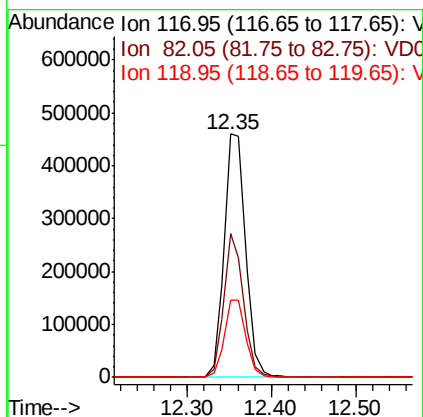
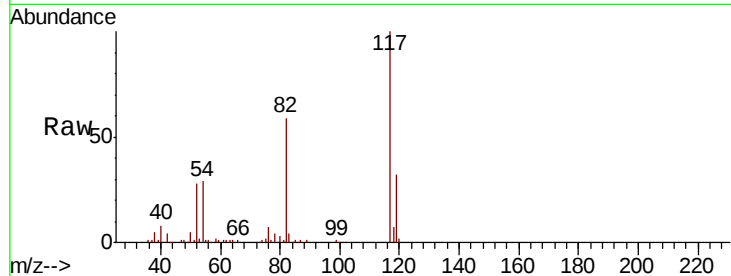




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062681.D
Acq: 12 Jun 2019 18:25

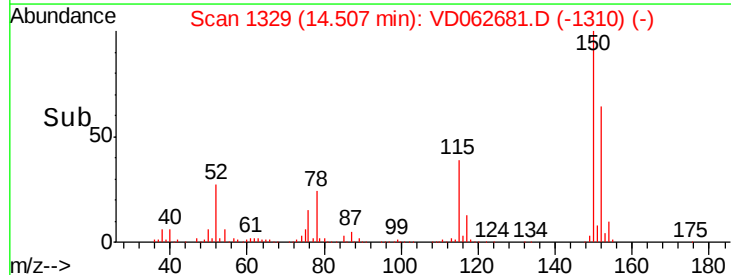
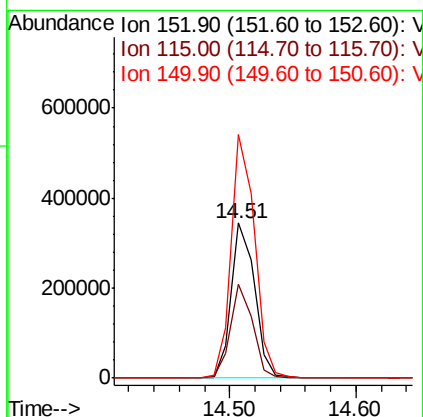
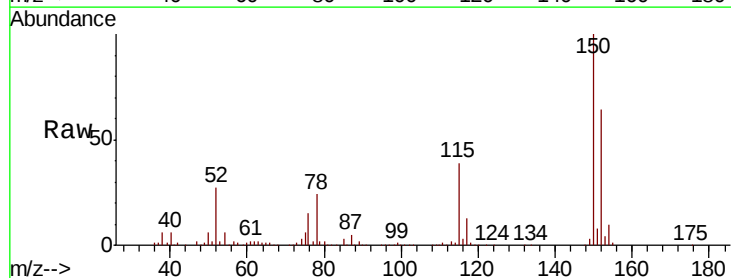
Instrument :
MSVOA_D
ClientSampleId :
S1(0-5)RE

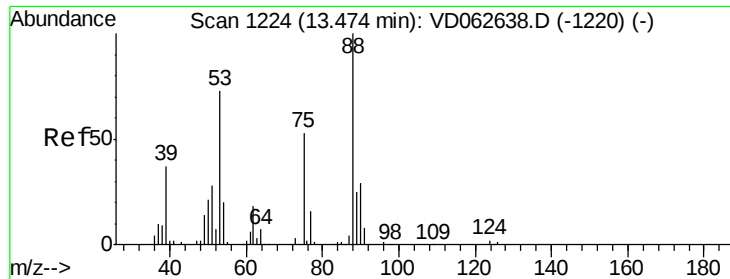
Tot Ion:117 Resp: 817694
Ion Ratio Lower Upper
117 100
82 58.9 48.7 73.1
119 31.6 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062681.D
Acq: 12 Jun 2019 18:25

Tgt Ion:152 Resp: 442115
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.5
150 156.9 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 84.659 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

S1(0-5)RE

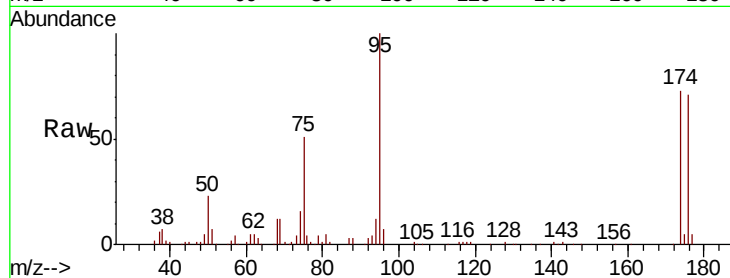
Tot Ion: 75 Resp: 155707

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

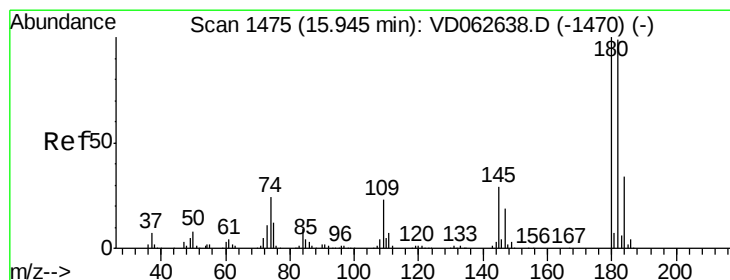
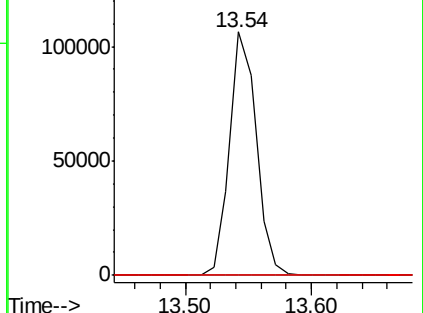
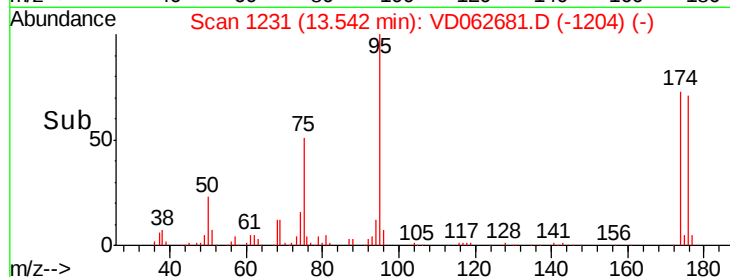
89 0.0 37.0 55.6#



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: 3.718 ug/l

RT: 15.93 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD062681.D

Acq: 12 Jun 2019 18:25

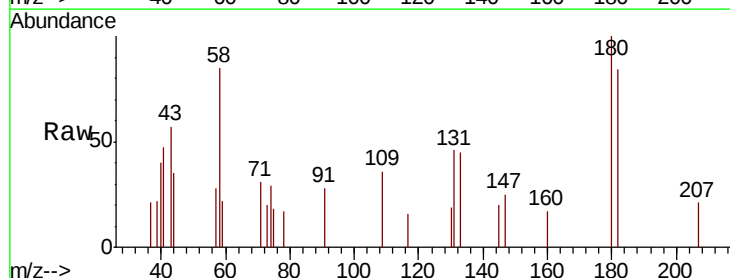
Tgt Ion:180 Resp: 1832

Ion Ratio Lower Upper

180 100

182 83.8 49.4 148.2

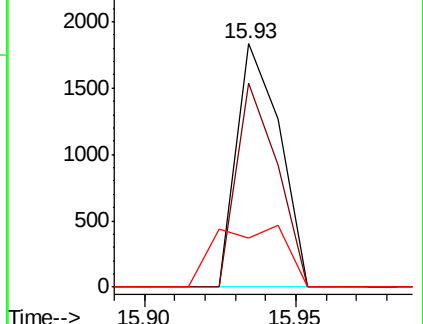
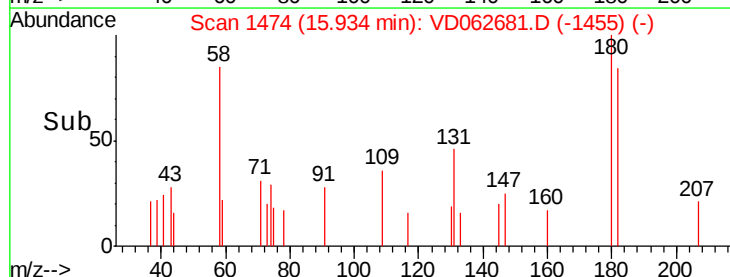
145 20.3 14.5 43.6

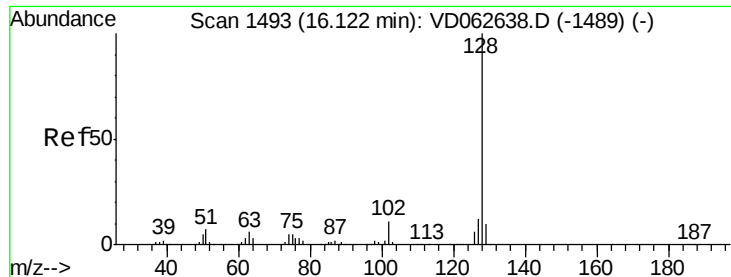


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 3.898 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062681.D

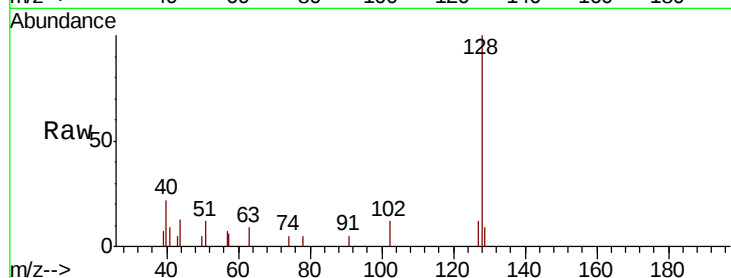
Acq: 12 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

S1(0-5)RE



Tot Ion:128 Resp: 7732

Ion Ratio Lower Upper

128 100

127 11.5 9.7 14.5

129 9.0 8.1 12.1

