

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062690.D
 Acq On : 13 Jun 2019 13:23
 Operator : VA/AP
 Sample : K3342-02RE
 Misc : 3.64g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 14 06:46:02 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

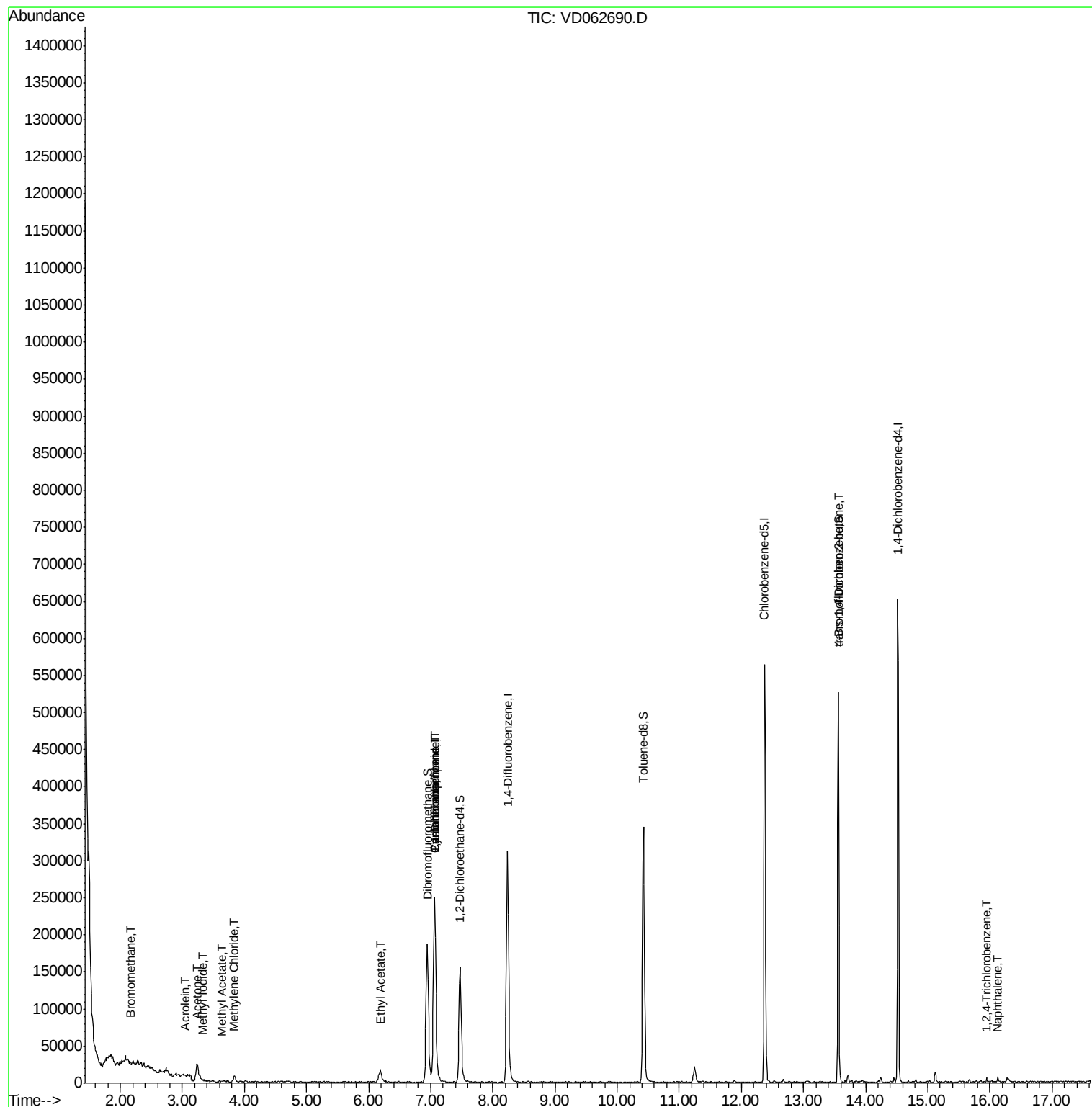
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	238106	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	339619	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	291969	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	143485	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	185150	53.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	6.95	113	167985	46.90	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	10.42	98	280841	37.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	74.54%	
62) 4-Bromofluorobenzene	13.56	95	134219	38.18	ug/l	0.01
Spiked Amount	50.000		Recovery	=	76.36%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.18	94	2183	1.780	ug/l #	39
10) Methyl Iodide	3.33	142	2363	4.519	ug/l #	66
13) Acrolein	3.05	56	208	4.579	ug/l #	12
16) Acetone	3.24	43	48182	76.582	ug/l #	92
18) Methyl Acetate	3.65	43	1635	1.581	ug/l #	64
20) Methylene Chloride	3.84	84	4854	1.615	ug/l #	73
31) Cyclohexane	7.06	56	6684	2.465	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	20196	5.196	ug/l #	54
37) Ethyl Acetate	6.19	43	1855	2.293	ug/l #	1
38) Carbon Tetrachloride	7.07	117	25131	4.091	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.56	75	66452	110.100	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	1624	3.977	ug/l	80
95) Naphthalene	16.13	128	5992	4.521	ug/l #	88

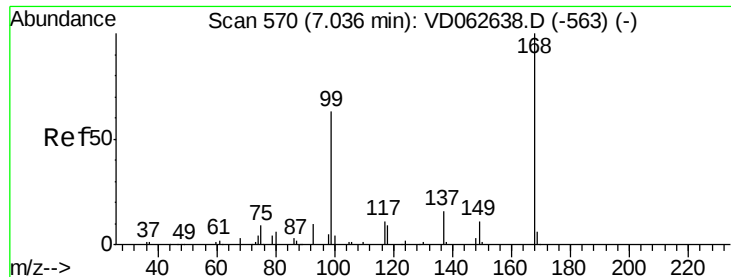
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\
Data File : VD062690.D
Acq On : 13 Jun 2019 13:23
Operator : VA/AP
Sample : K3342-02RE
Misc : 3.64g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 14 06:46:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD062690.D

Acq: 13 Jun 2019 13:23

Instrument :

MSVOA_D

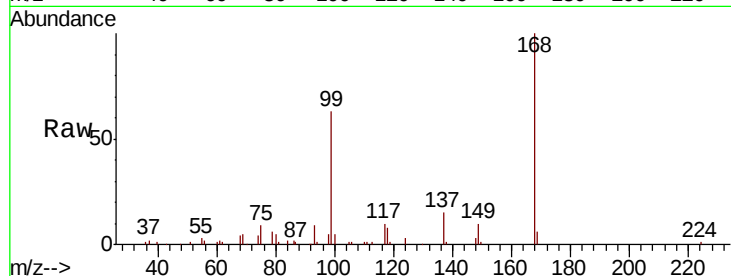
ClientSampleId :

Tot Ion:168 Resp: 238106

Ion Ratio Lower Upper

168 100

99 62.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

Time--> 6.90 7.00 7.10 7.20

Abundance

Scan 573 (7.066 min): VD062690.D (-550) (-)

168

99

117

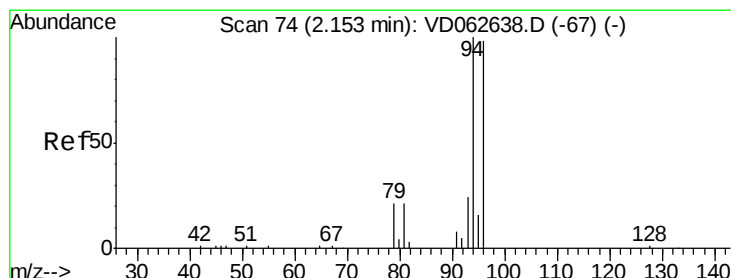
137

149

224

m/z-->

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.780 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD062690.D

Acq: 13 Jun 2019 13:23

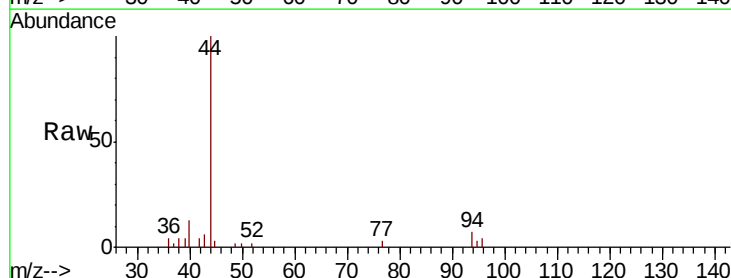
Tgt Ion: 94 Resp: 2183

Ion Ratio Lower Upper

94 100

96 34.8 78.1 117.1#

93 0.0 19.6 29.4#



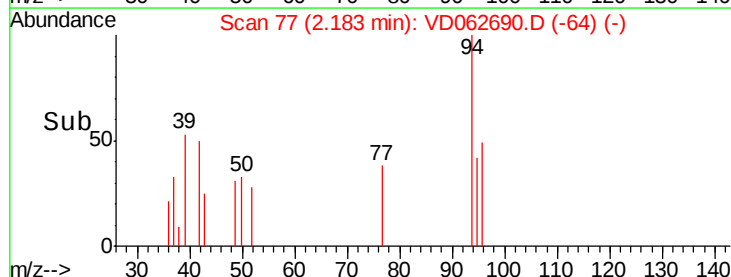
Abundance Ion 94.00 (93.70 to 94.70): VDC

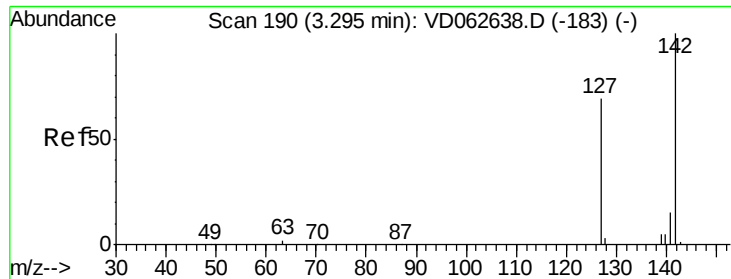
Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.18

Time--> 2.14 2.16 2.18 2.20 2.22

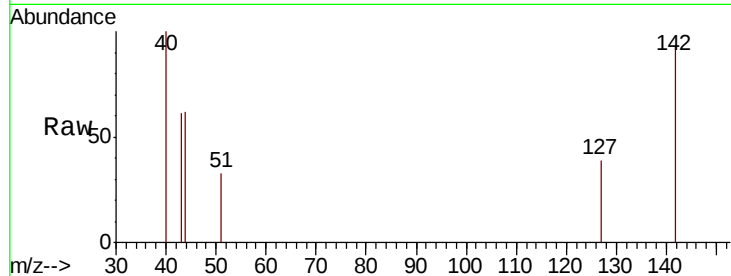




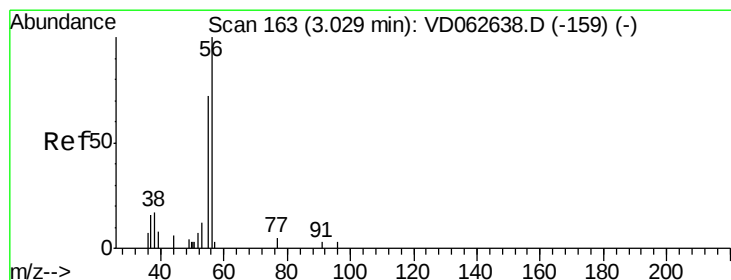
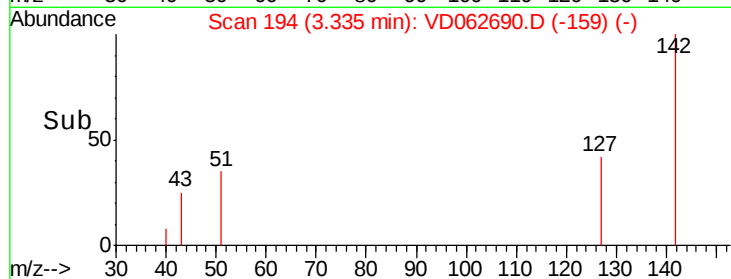
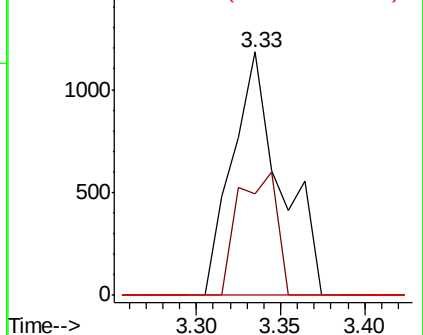
#10
Methvl Iodide
Concen: 4.519 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.04 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 2363
Ion Ratio Lower Upper
142 100
127 41.7 55.2 82.8#
141 0.0 12.1 18.1#

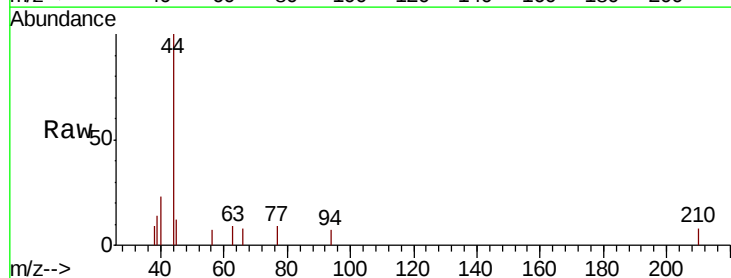


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

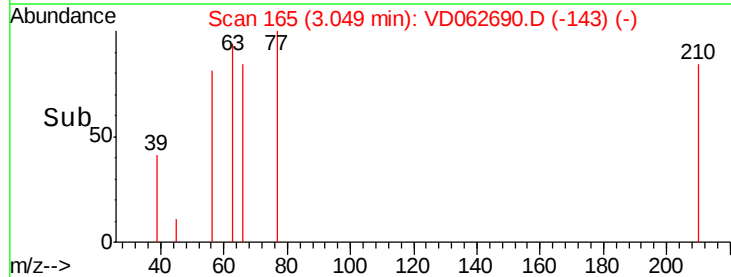
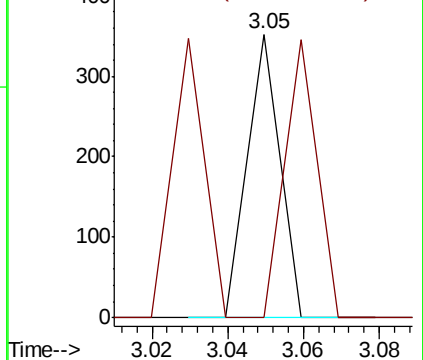


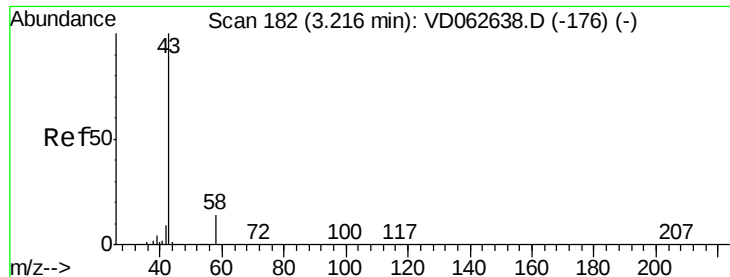
#13
Acrolein
Concen: 4.579 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

Tgt Ion: 56 Resp: 208
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: 76.582 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062690.D

Acq: 13 Jun 2019 13:23

Instrument :

MSVOA_D

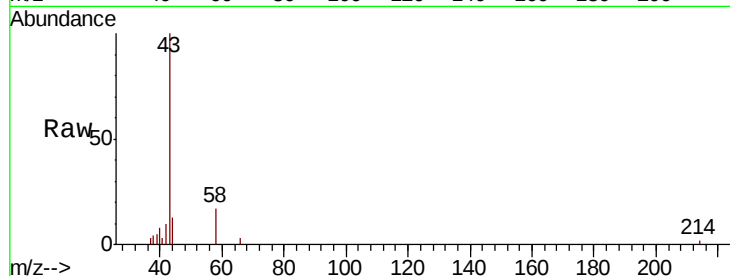
ClientSampleId :

Tot Ion: 43 Resp: 48182

Ion Ratio Lower Upper

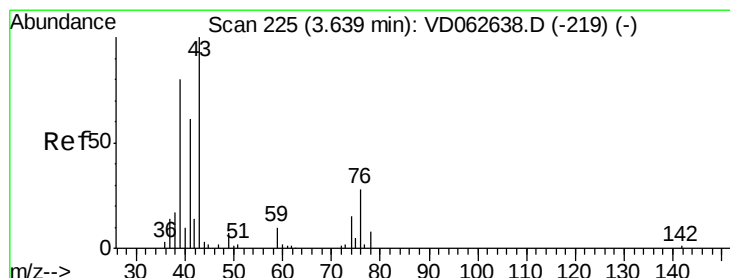
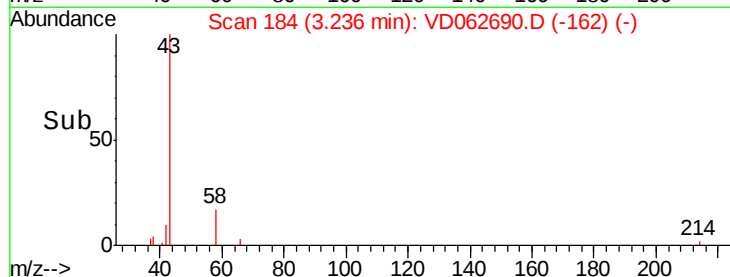
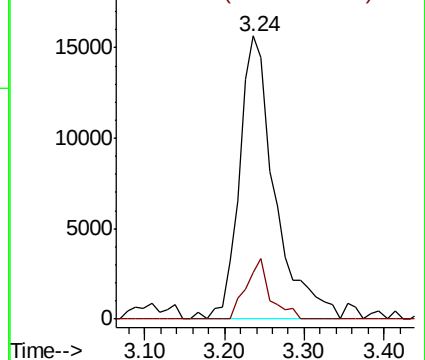
43 100

58 16.5 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.581 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062690.D

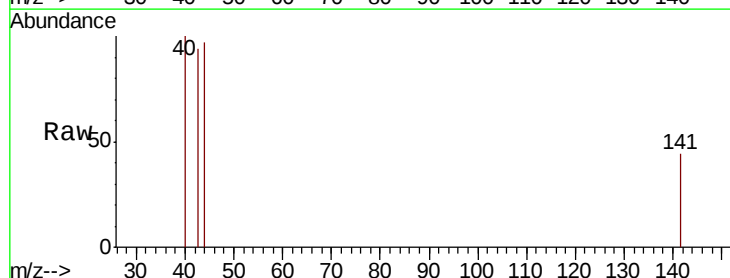
Acq: 13 Jun 2019 13:23

Tgt Ion: 43 Resp: 1635

Ion Ratio Lower Upper

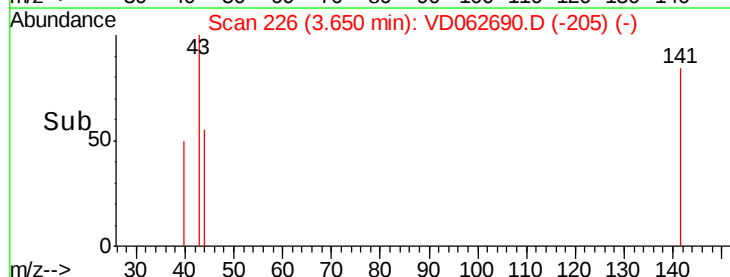
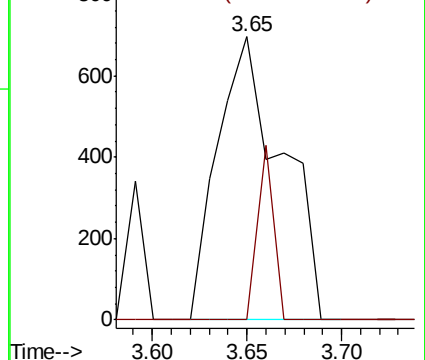
43 100

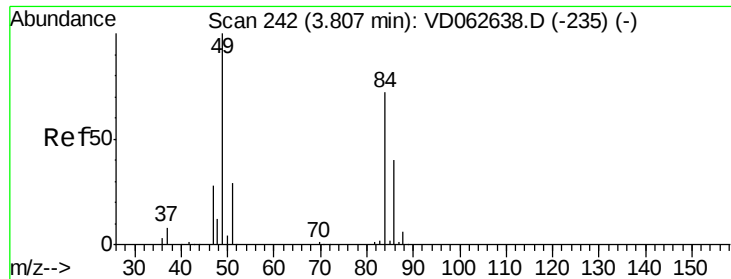
74 0.0 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

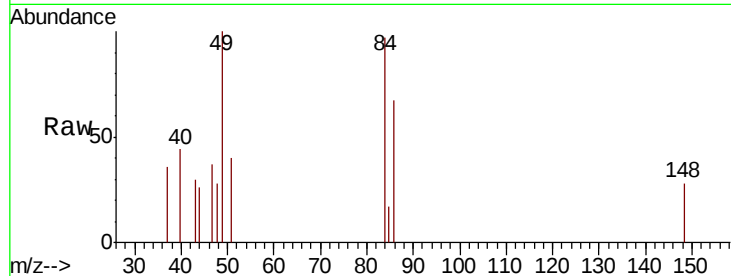




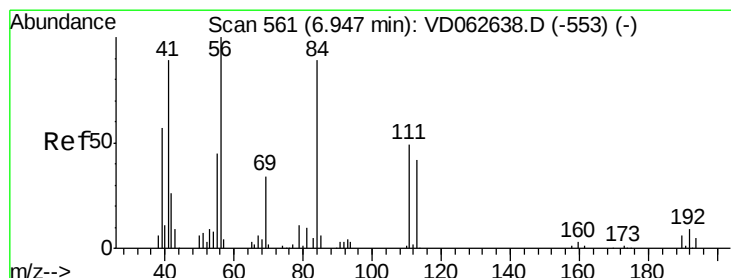
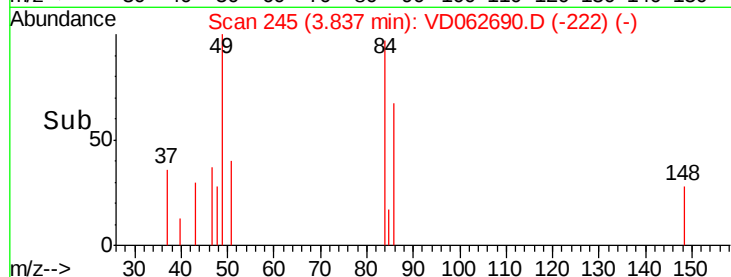
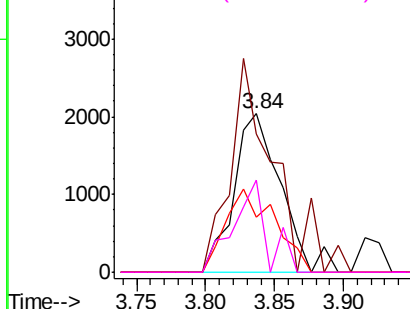
#20
Methvlene Chloride
Concen: 1.615 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 4854
Ion Ratio Lower Upper
84 100
49 87.7 111.2 166.8#
51 34.7 31.9 47.9
86 58.6 44.7 67.1

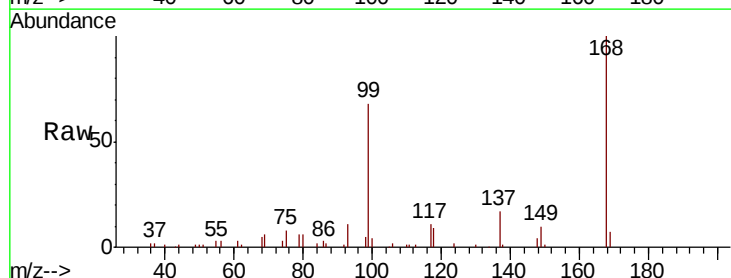


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

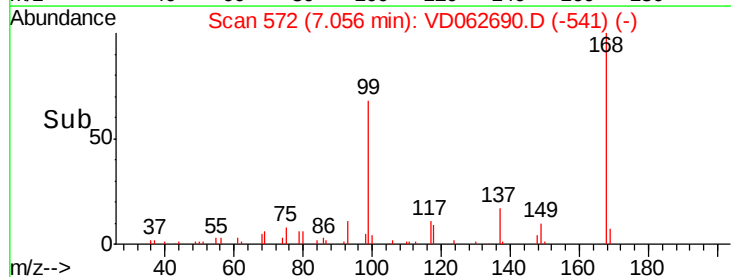
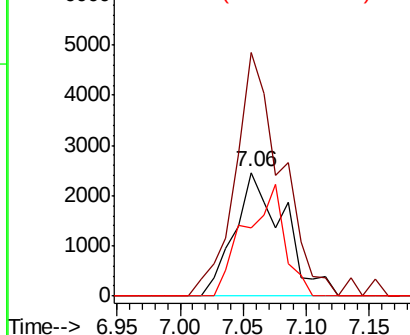


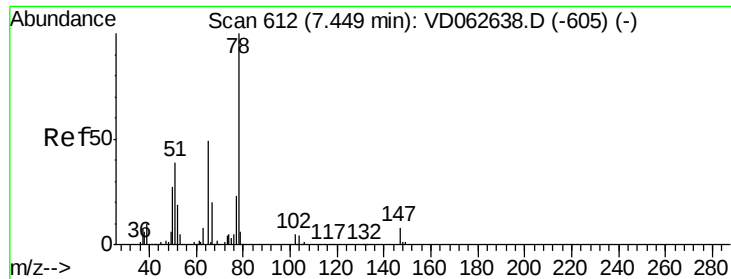
#31
Cyclohexane
Concen: 2.465 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.11 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

Tgt Ion: 56 Resp: 6684
Ion Ratio Lower Upper
56 100
69 197.0 26.8 40.2#
84 55.7 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: 53.888 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD062690.D

Acq: 13 Jun 2019 13:23

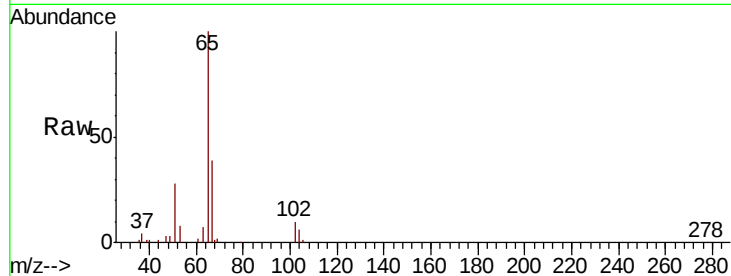
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 185150

Ion Ratio Lower Upper

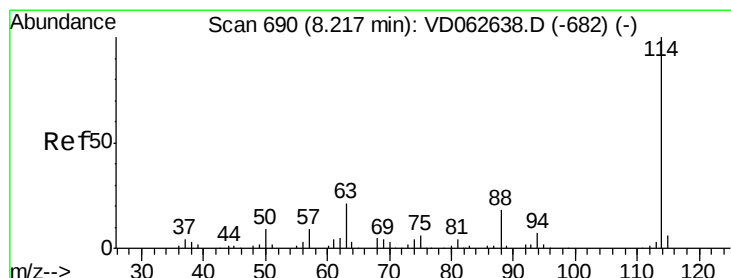
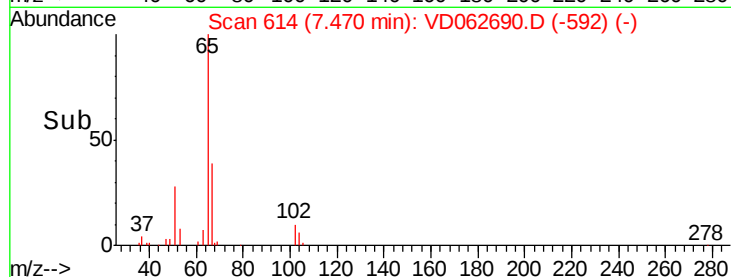
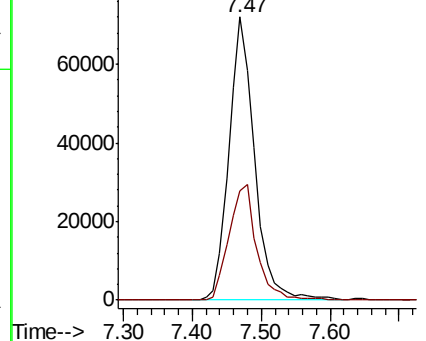
65 100

67 38.6 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD062690.D

Acq: 13 Jun 2019 13:23

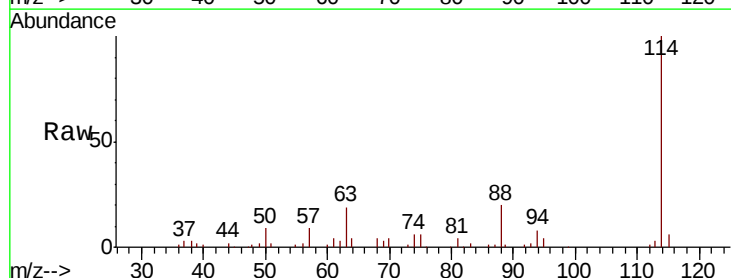
Tgt Ion: 114 Resp: 339619

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

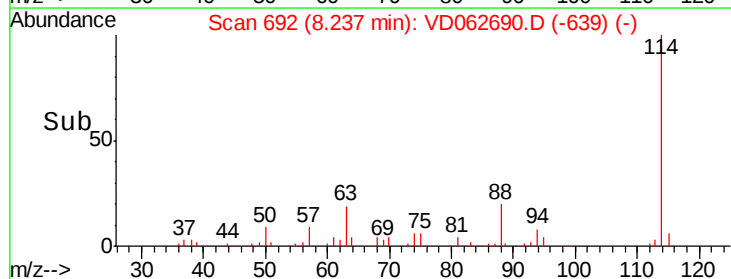
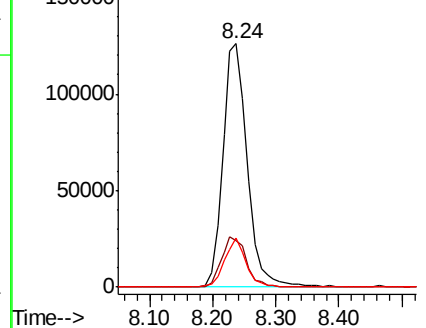
88 20.3 0.0 36.8

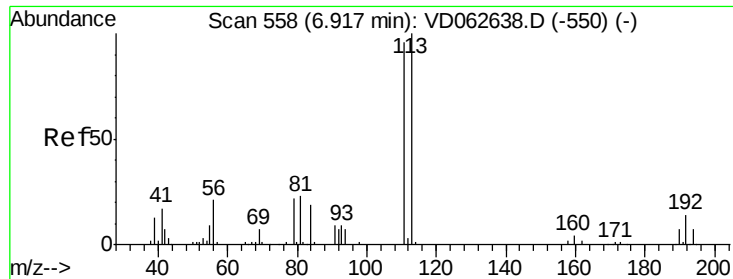


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.900 ug/l

RT: 6.95 min Scan# 561

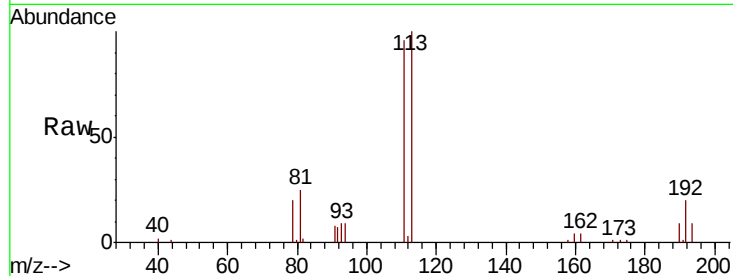
Delta R.T. 0.03 min

Lab File: VD062690.D

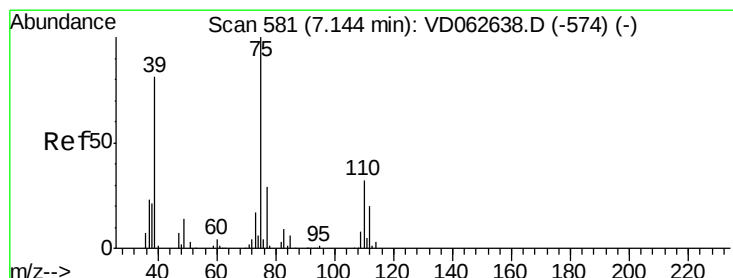
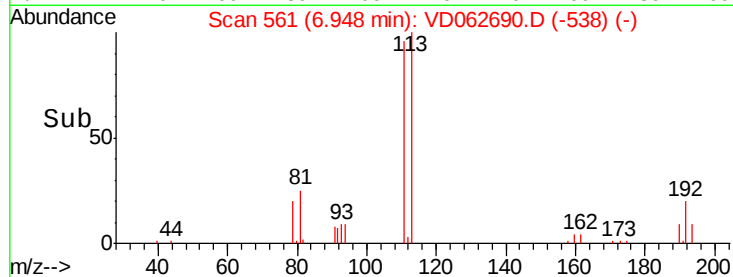
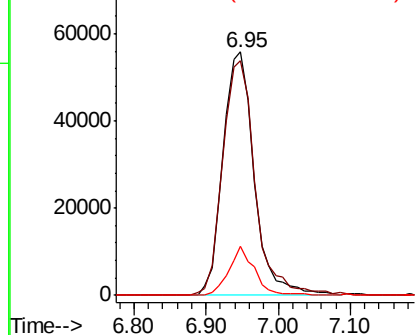
Acq: 13 Jun 2019 13:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113	Resp:	167985
Ion Ratio	Lower	Upper
113	100	
111	96.4	76.4 114.6
192	20.4	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: 5.196 ug/l

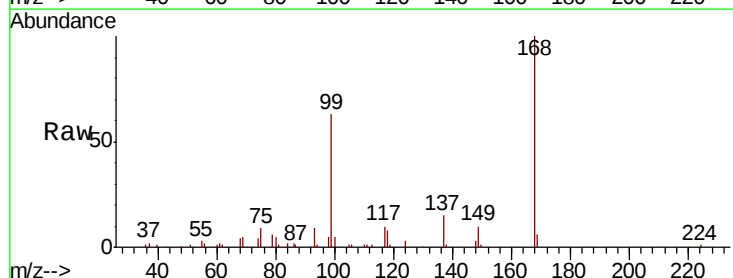
RT: 7.07 min Scan# 573

Delta R.T. -0.08 min

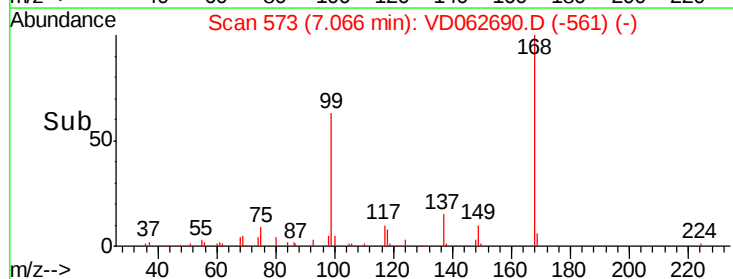
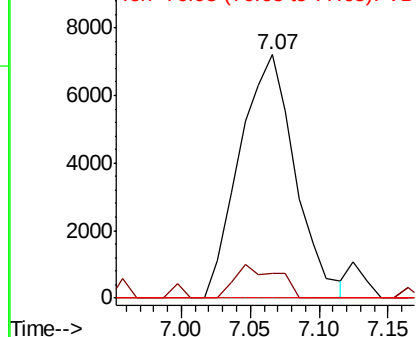
Lab File: VD062690.D

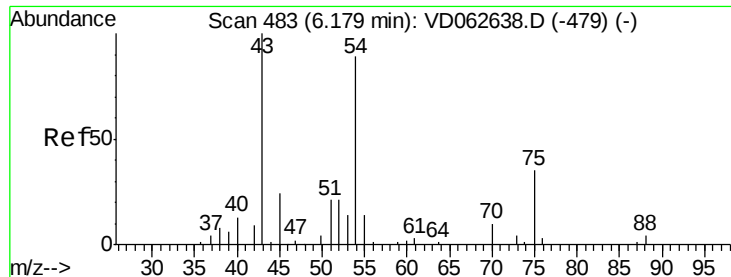
Acq: 13 Jun 2019 13:23

Tgt Ion: 75	Resp:	20196
Ion Ratio	Lower	Upper
75	100	
110	10.1	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

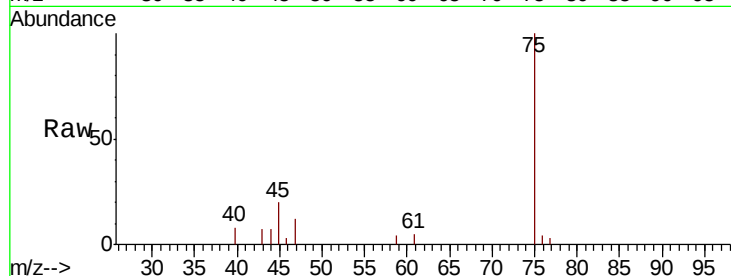




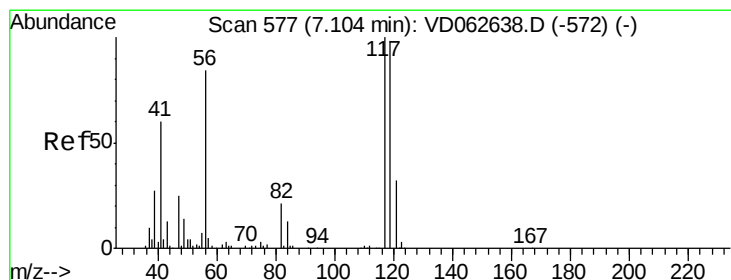
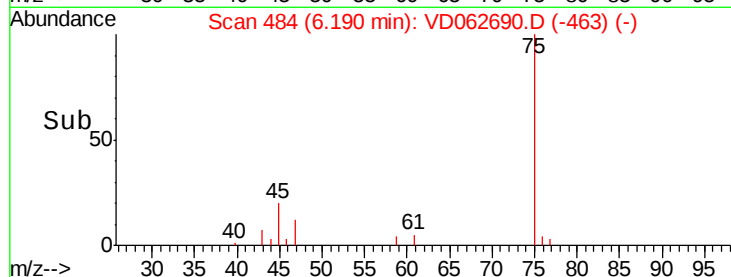
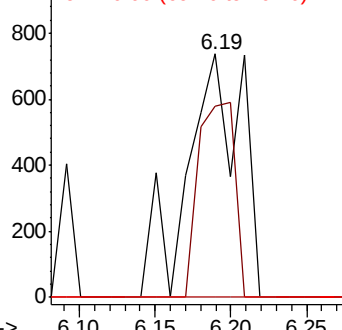
#37
Ethyl Acetate
Concen: 2.293 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
61 78.4 8.7 13.1#
70 0.0 6.5 9.7#

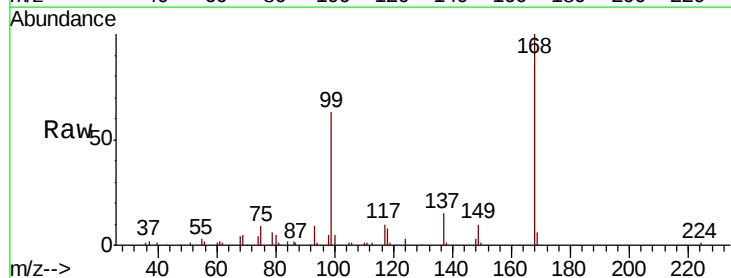


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

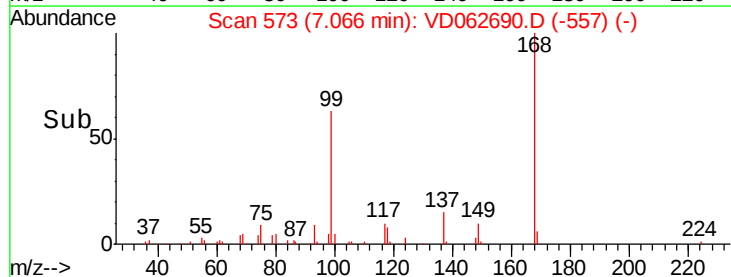
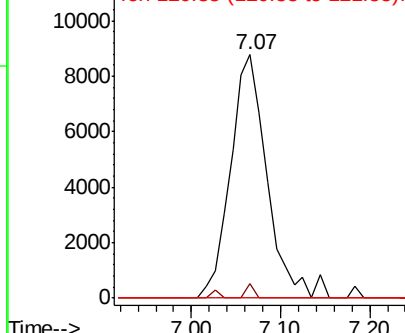


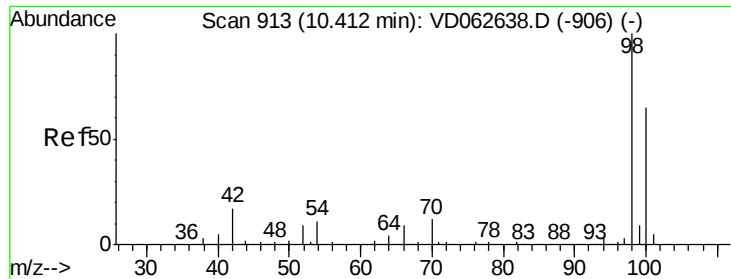
#38
Carbon Tetrachloride
Concen: 4.091 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

Tgt Ion: 117 Resp: 25131
Ion Ratio Lower Upper
117 100
119 5.9 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

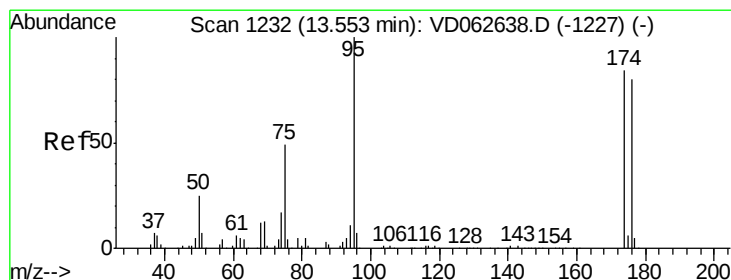
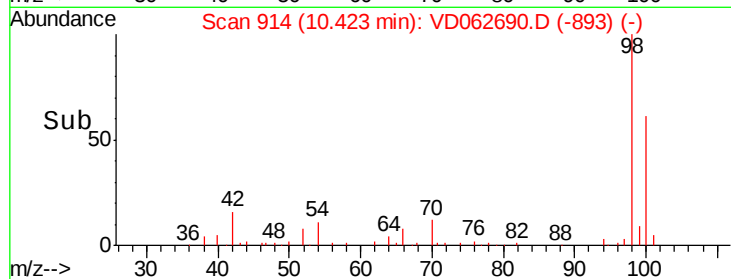
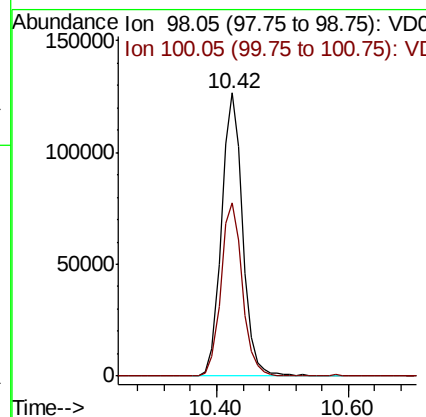
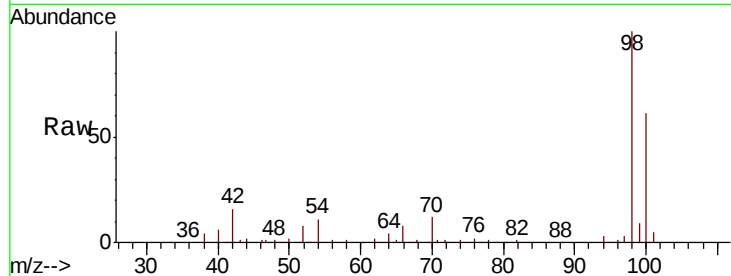




#50
Toluene-d8
Concen: 37.273 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

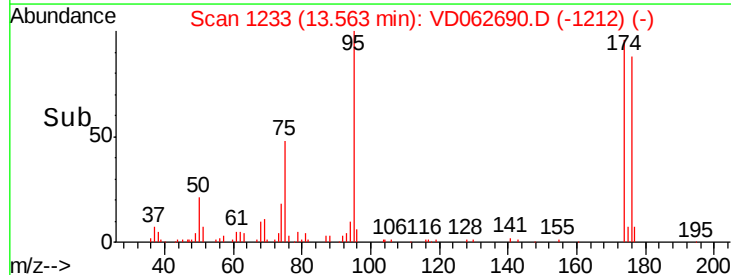
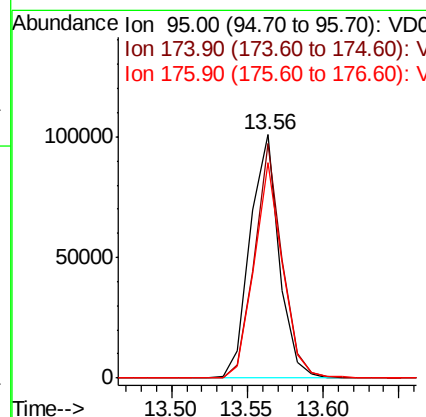
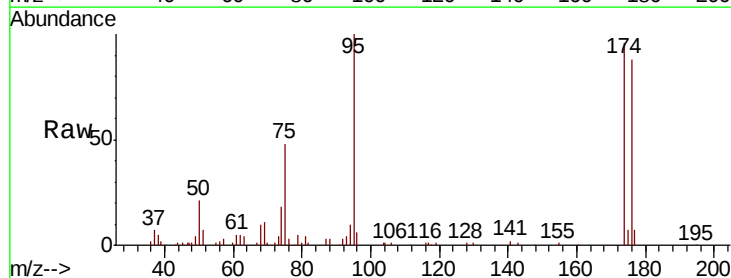
Instrument :
MSVOA_D
ClientSampled :

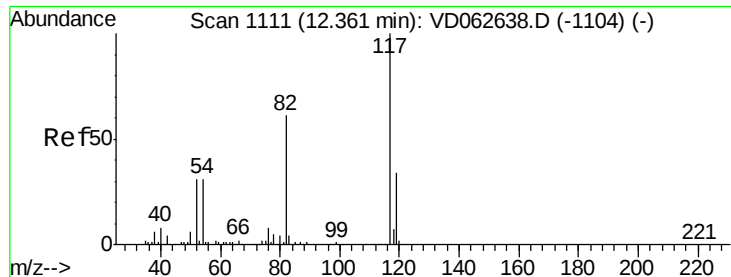
Tot Ion: 98 Resp: 280841
Ion Ratio Lower Upper
98 100
100 61.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 38.182 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

Tgt Ion: 95 Resp: 134219
Ion Ratio Lower Upper
95 100
174 96.3 0.0 167.0
176 88.4 0.0 159.2

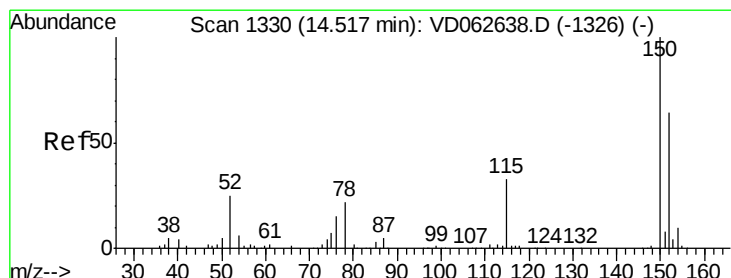
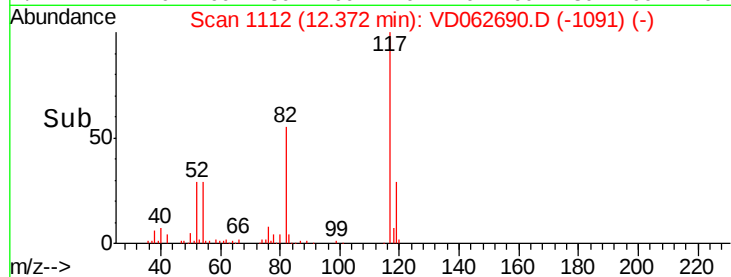
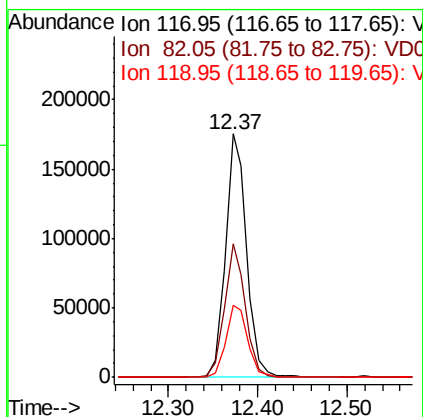
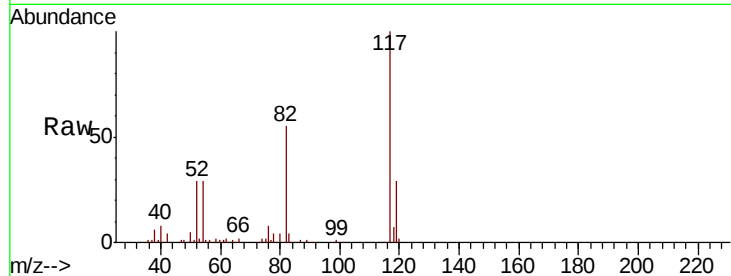




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

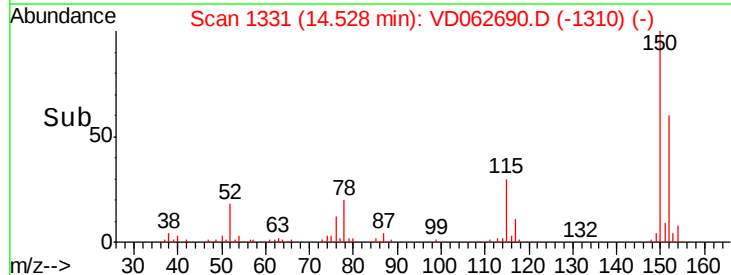
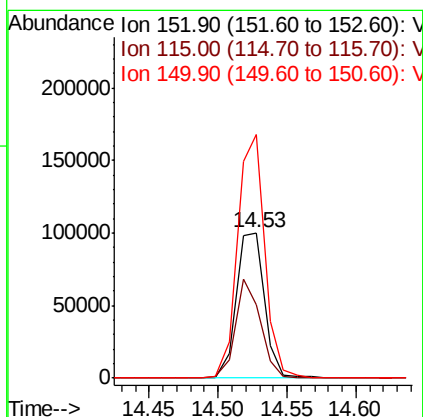
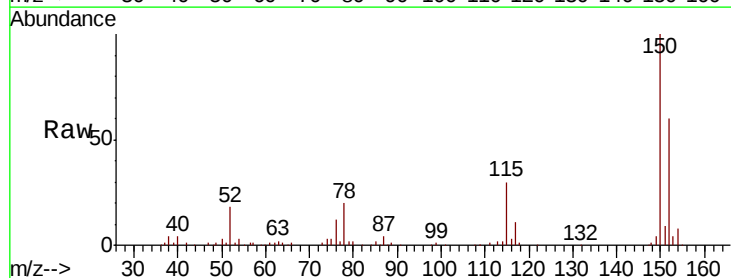
Instrument :
MSVOA_D
ClientSampleId :

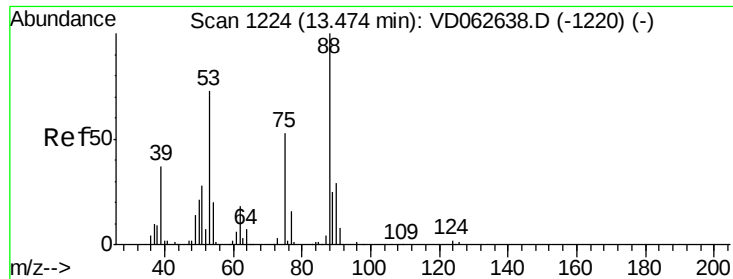
Tot Ion:117 Resp: 291969
Ion Ratio Lower Upper
117 100
82 54.8 48.7 73.1
119 29.4 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062690.D
Acq: 13 Jun 2019 13:23

Tgt Ion:152 Resp: 143485
Ion Ratio Lower Upper
152 100
115 50.0 30.1 90.5
150 167.4 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 110.100 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062690.D

Acq: 13 Jun 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

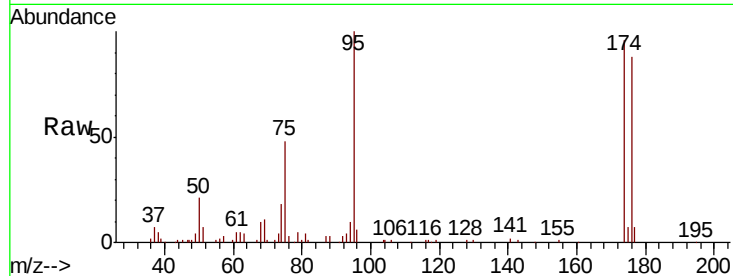
Tot Ion: 75 Resp: 66452

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

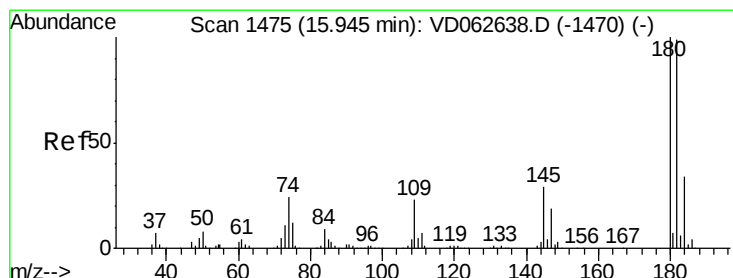
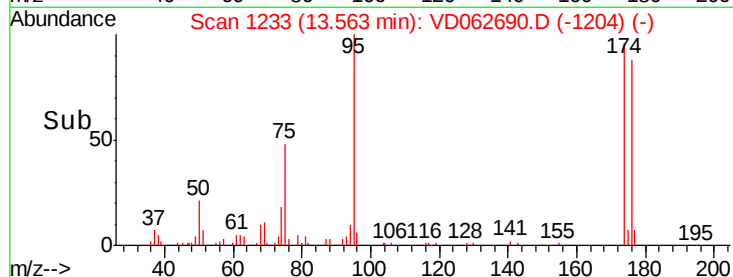
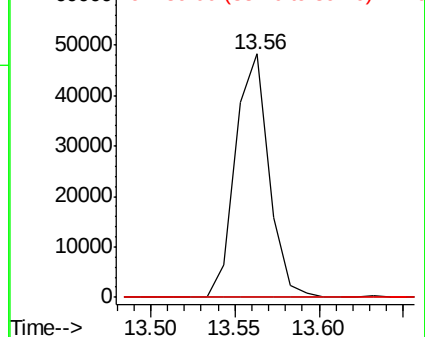
89 0.0 37.0 55.6#



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: 3.977 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062690.D

Acq: 13 Jun 2019 13:23

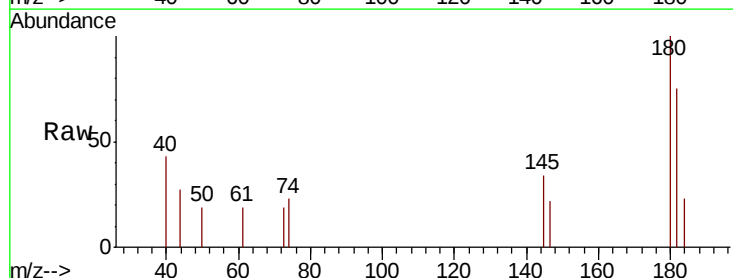
Tgt Ion:180 Resp: 1624

Ion Ratio Lower Upper

180 100

182 75.4 49.4 148.2

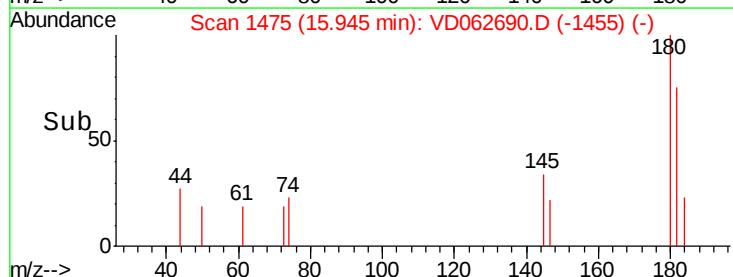
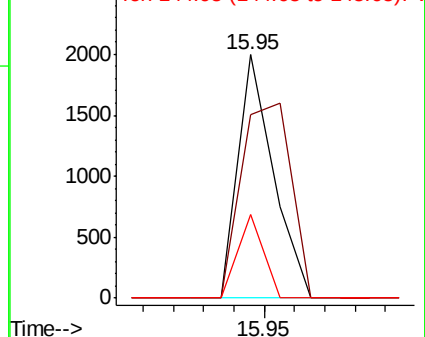
145 34.3 14.5 43.6

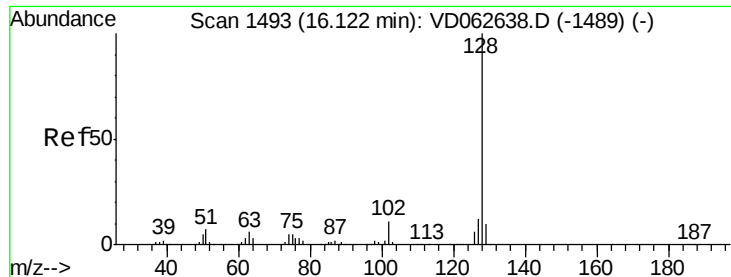


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

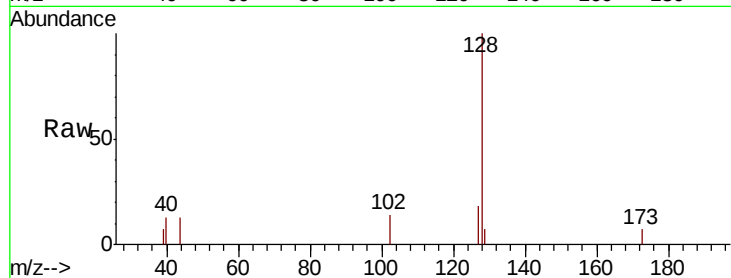




#95
 Naphthalene
 Concen: 4.521 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD062690.D
 Acq: 13 Jun 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 5992
 Ion Ratio Lower Upper
 128 100
 127 18.1 9.7 14.5#
 129 7.5 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

