

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062692.D
 Acq On : 13 Jun 2019 14:17
 Operator : VA/AP
 Sample : K3351-01
 Misc : 6.60g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 14 06:46:37 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	7.05	168	44255	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	70486	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	65424	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	38003	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	43867	68.69	ug/l	0.02
Spiked Amount				50.000		
Recovery						= 137.38%
35) Dibromofluoromethane	6.93	113	35881	48.27	ug/l	0.02
Spiked Amount				50.000		
Recovery						= 96.54%
50) Toluene-d8	10.42	98	56009	35.82	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 71.64%
62) 4-Bromofluorobenzene	13.56	95	31995	43.86	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 87.72%

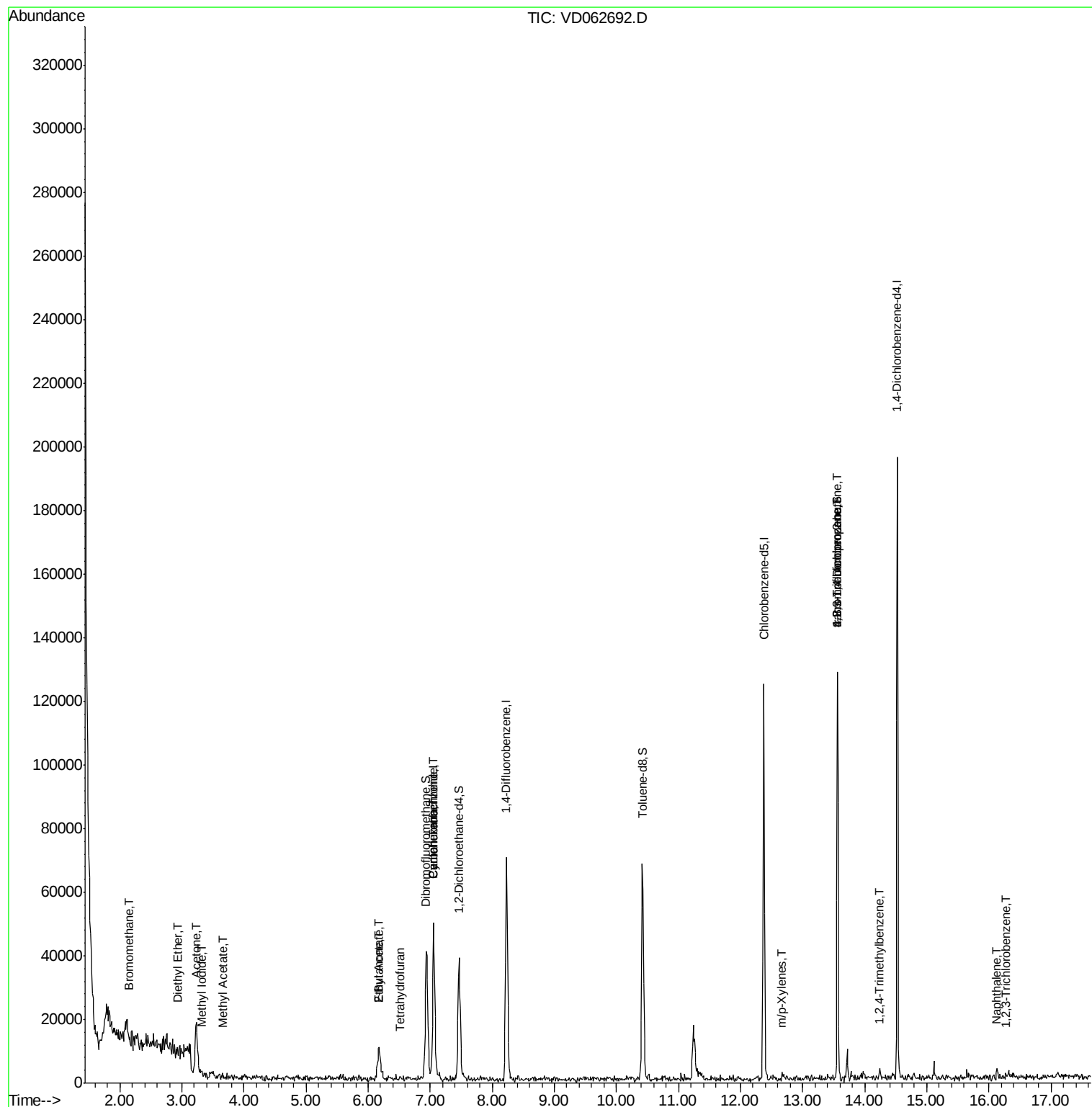
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	2525	11.078	ug/l #	11
8) Diethyl Ether	2.93	74	207	1.506	ug/l	59
10) Methyl Iodide	3.33	142	234	4.281	ug/l #	24
16) Acetone	3.22	43	35074	299.939	ug/l #	91
18) Methyl Acetate	3.66	43	292	1.519	ug/l #	64
25) 2-Butanone	6.17	43	580	5.084	ug/l #	61
29) Tetrahydrofuran	6.51	42	192	3.737	ug/l #	33
31) Cyclohexane	7.05	56	784	1.556	ug/l #	1
37) Ethyl Acetate	6.17	43	580	2.847	ug/l #	74
38) Carbon Tetrachloride	7.05	117	4965	3.894	ug/l #	14
68) m/p-Xylenes	12.67	106	907	1.006	ug/l #	24
76) 1,2,3-Trichloropropane	13.56	75	13135	25.491	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	17852	111.619	ug/l #	1
84) 1,2,4-Trimethylbenzene	14.24	105	2427	1.035	ug/l	85
95) Naphthalene	16.13	128	2565	5.181	ug/l #	78
96) 1,2,3-Trichlorobenzene	16.28	180	710	1.069	ug/l #	18

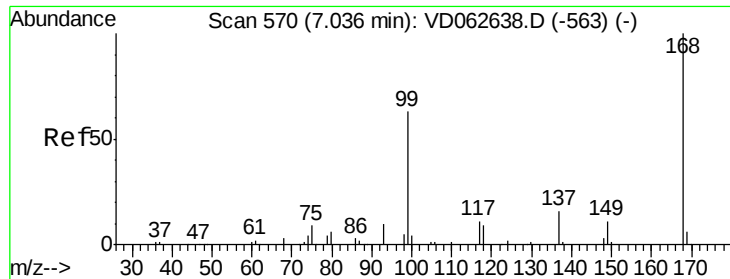
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\
Data File : VD062692.D
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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: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

Instrument :

MSVOA_D

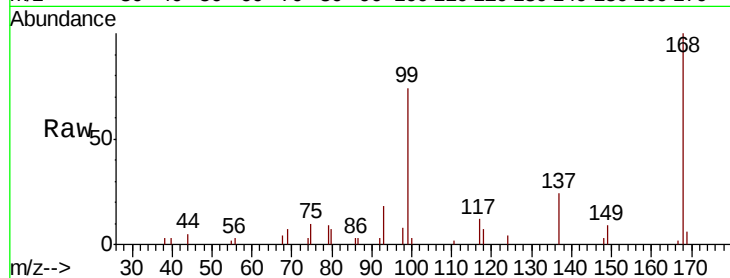
ClientSampleId :

Tot Ion:168 Resp: 44255

Ion Ratio Lower Upper

168 100

99 74.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

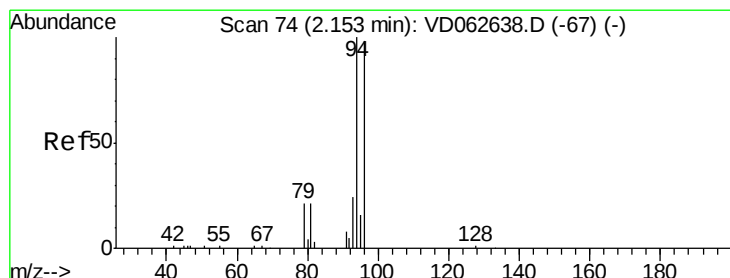
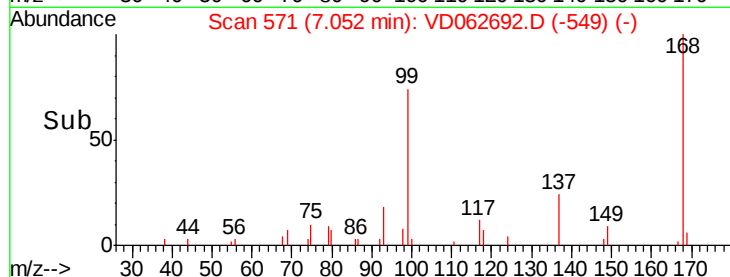
15000

10000

5000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 11.078 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

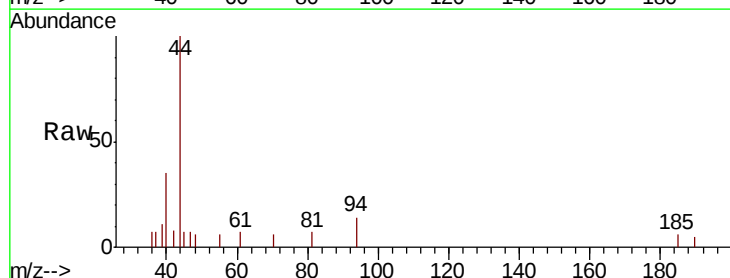
Tgt Ion: 94 Resp: 2525

Ion Ratio Lower Upper

94 100

96 0.0 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

1200

1000

800

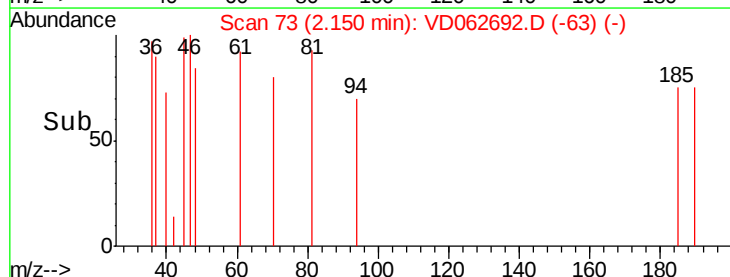
600

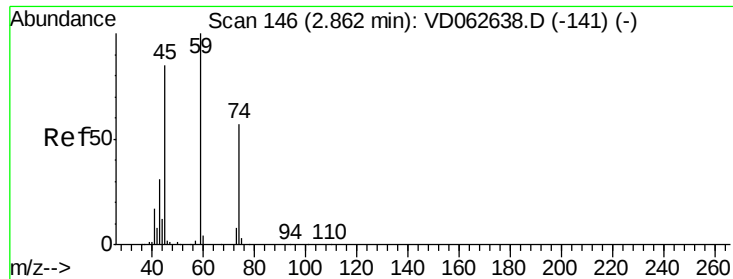
400

200

0

Time--> 2.10 2.15 2.20





#8

Diethyl Ether

Concen: 1.506 ug/l

RT: 2.93 min Scan# 152

Delta R.T. 0.07 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

Instrument :

MSVOA_D

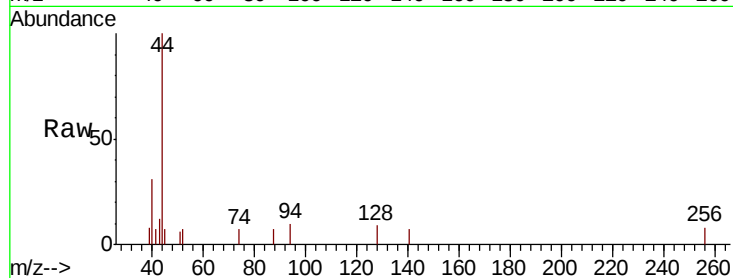
ClientSampleId :

Tot Ion: 74 Resp: 207

Ion Ratio Lower Upper

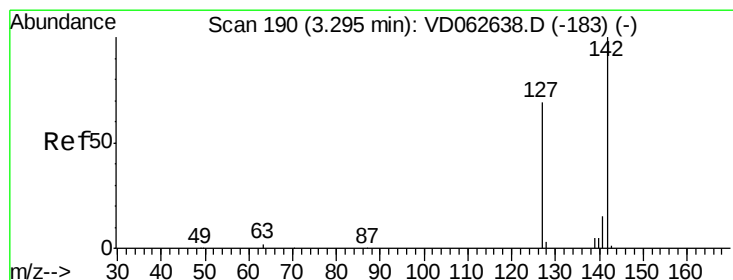
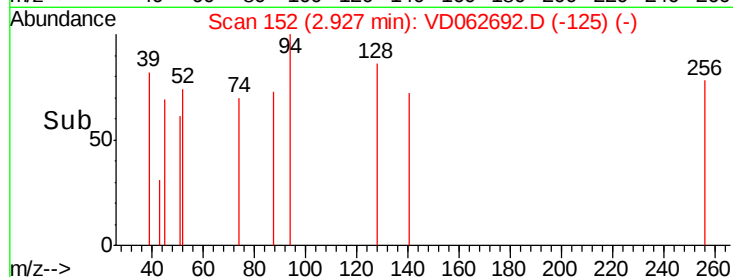
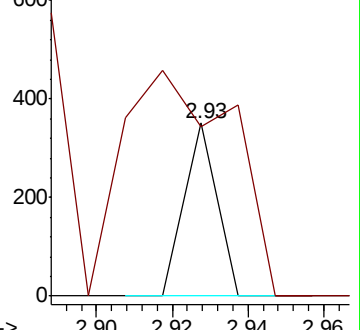
74 100

45 98.0 74.9 224.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 4.281 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.04 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

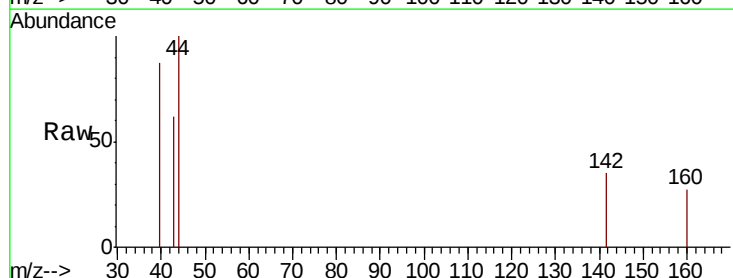
Tgt Ion: 142 Resp: 234

Ion Ratio Lower Upper

142 100

127 0.0 55.2 82.8#

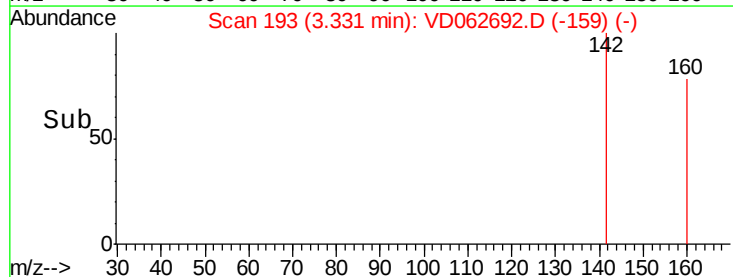
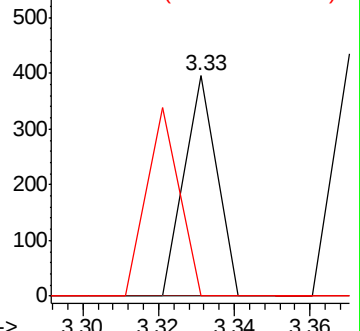
141 0.0 12.1 18.1#

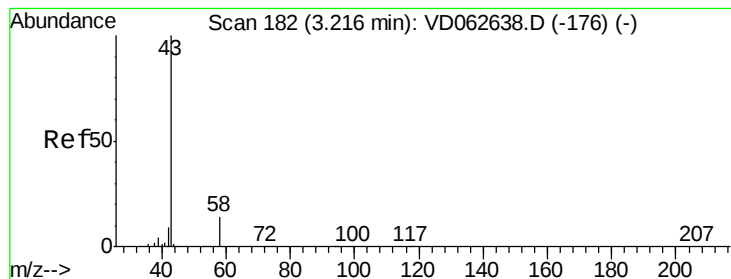


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 299.939 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

Instrument :

MSVOA_D

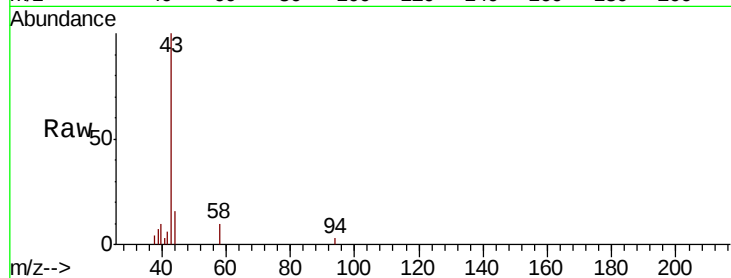
ClientSampleId :

Tot Ion: 43 Resp: 35074

Ion Ratio Lower Upper

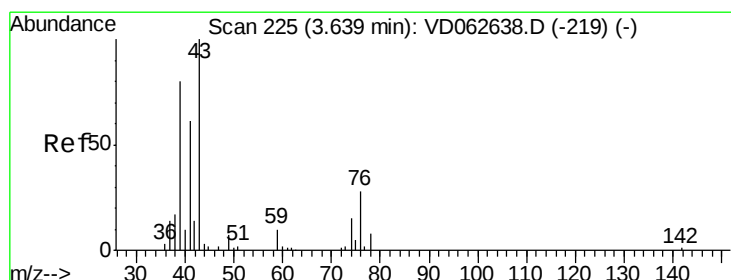
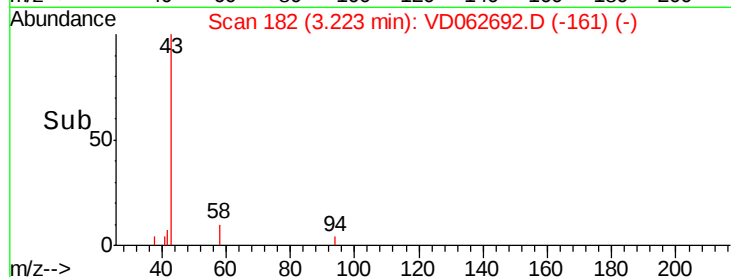
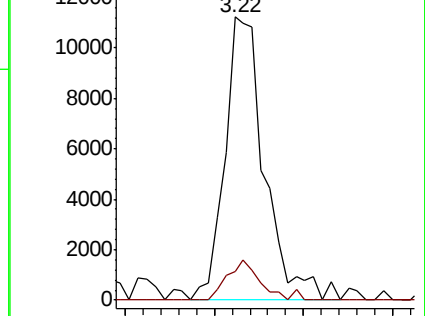
43 100

58 9.9 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: 1.519 ug/l

RT: 3.66 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD062692.D

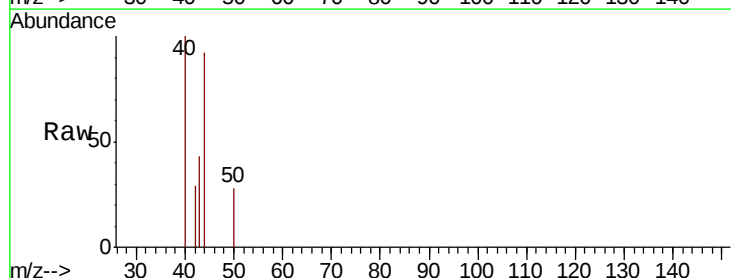
Acq: 13 Jun 2019 14:17

Tgt Ion: 43 Resp: 292

Ion Ratio Lower Upper

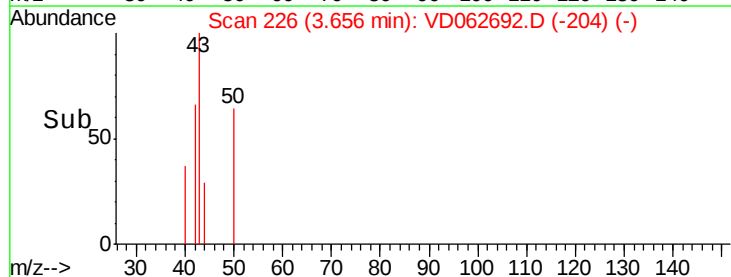
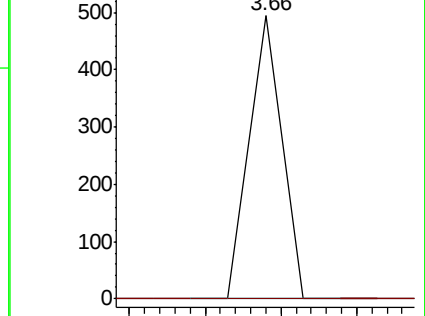
43 100

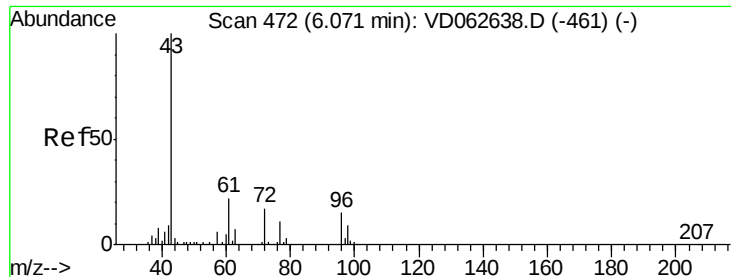
74 0.0 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 5.084 ug/l

RT: 6.17 min Scan# 481

Delta R.T. 0.10 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

Instrument :

MSVOA_D

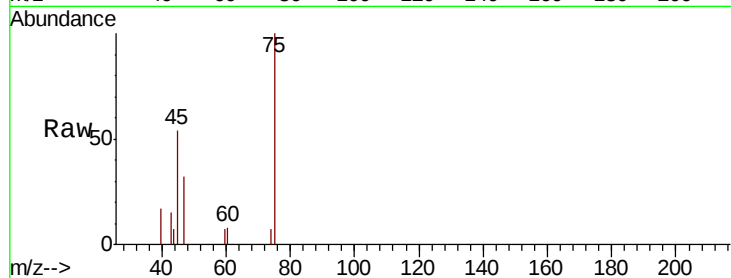
ClientSampleId :

Tot Ion: 43 Resp: 580

Ion Ratio Lower Upper

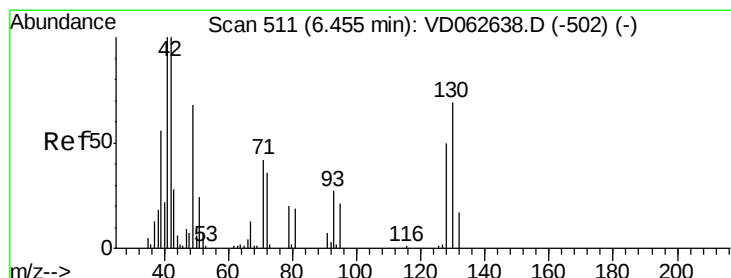
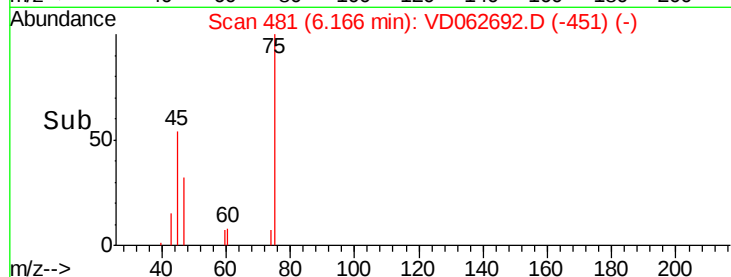
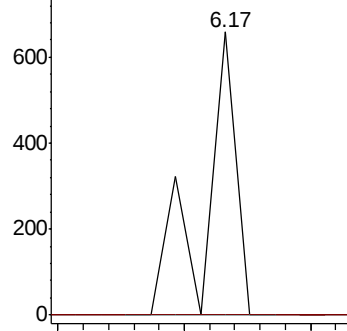
43 100

72 0.0 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 3.737 ug/l

RT: 6.51 min Scan# 516

Delta R.T. 0.06 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

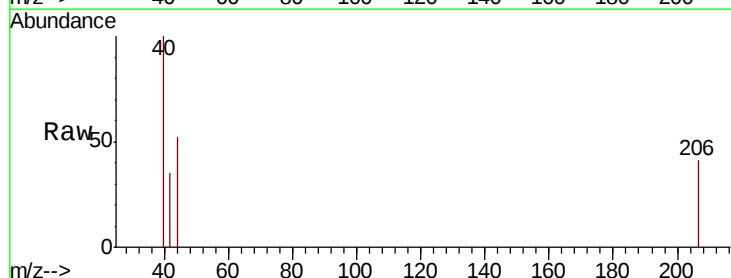
Tgt Ion: 42 Resp: 192

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.6#

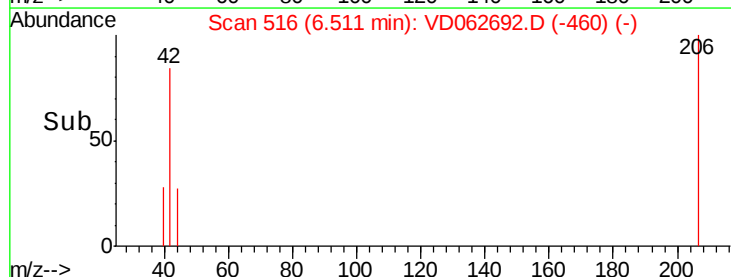
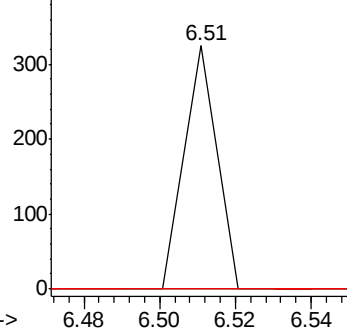
71 0.0 34.2 51.4#

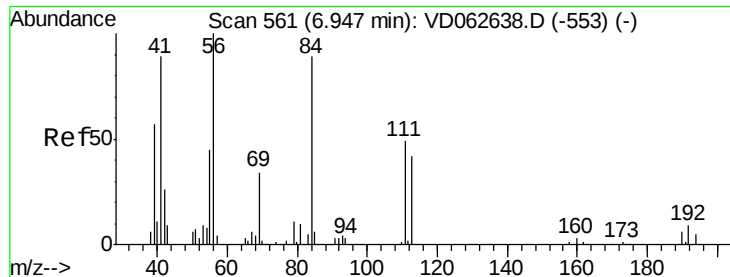


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

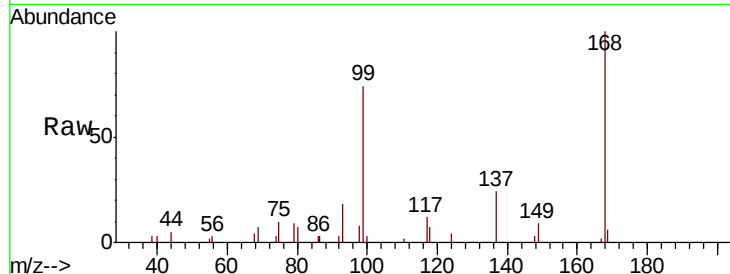




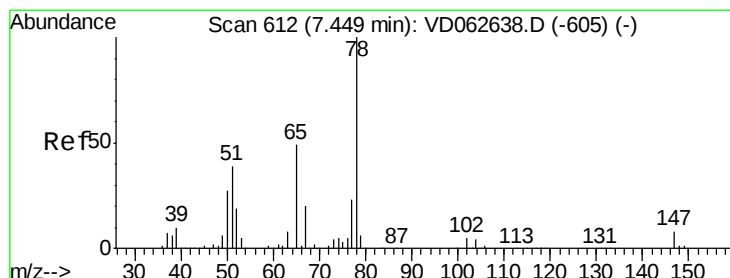
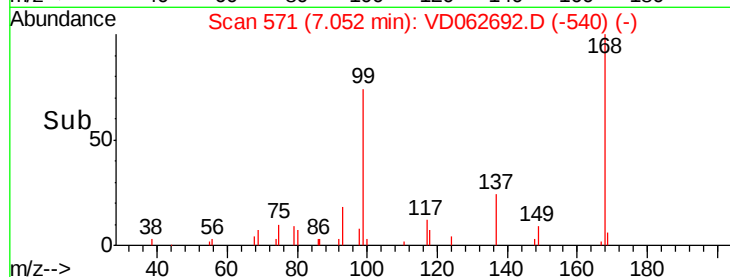
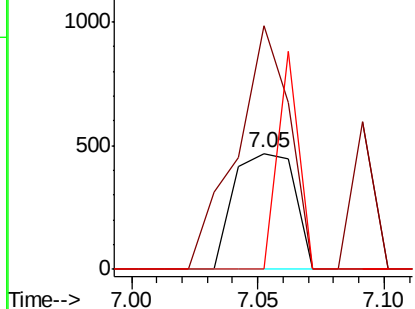
#31
Cyclohexane
Concen: 1.556 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062692.D
Acq: 13 Jun 2019 14:17

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 784
Ion Ratio Lower Upper
56 100
69 210.5 26.8 40.2#
84 0.0 73.9 110.9#

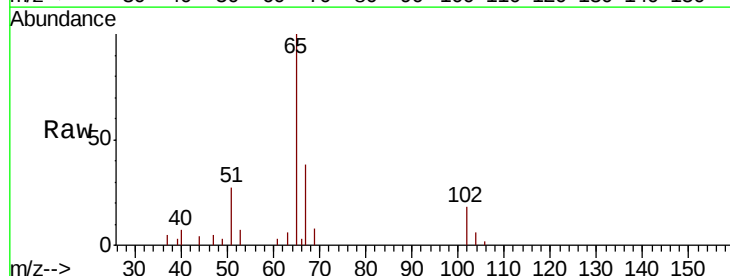


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

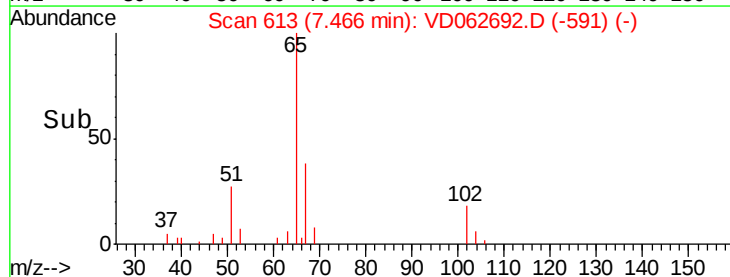
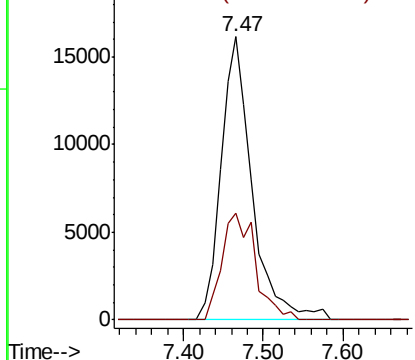


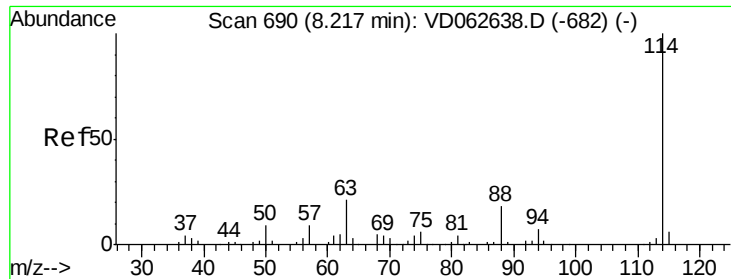
#33
1,2-Dichloroethane-d4
Concen: 68.693 ug/l
RT: 7.47 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062692.D
Acq: 13 Jun 2019 14:17

Tgt Ion: 65 Resp: 43867
Ion Ratio Lower Upper
65 100
67 37.6 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: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

Instrument :

MSVOA_D

ClientSampleId :

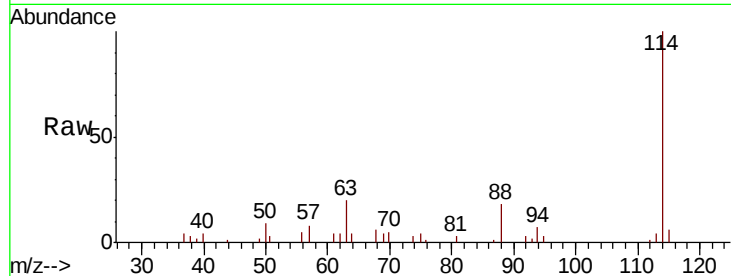
Tot Ion:114 Resp: 70486

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

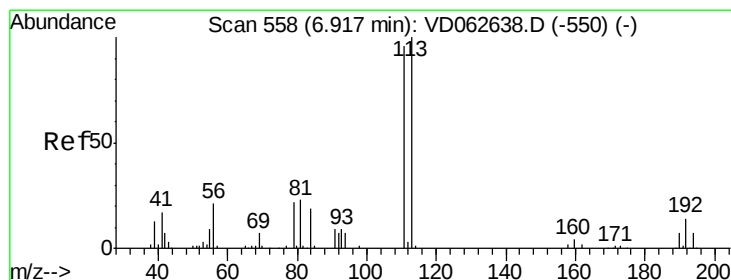
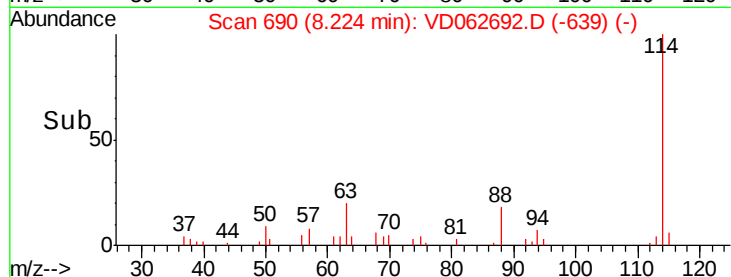
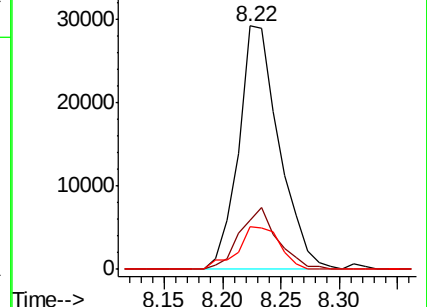
88 17.6 0.0 36.8



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: 48.268 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

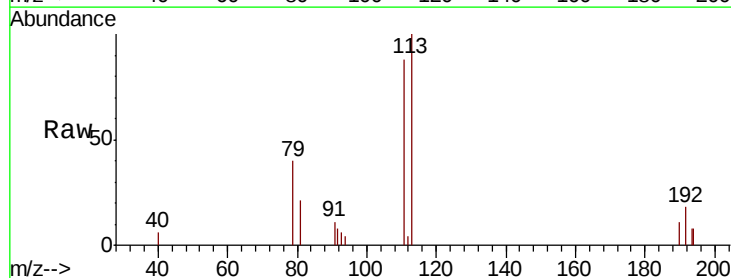
Tgt Ion:113 Resp: 35881

Ion Ratio Lower Upper

113 100

111 88.2 76.4 114.6

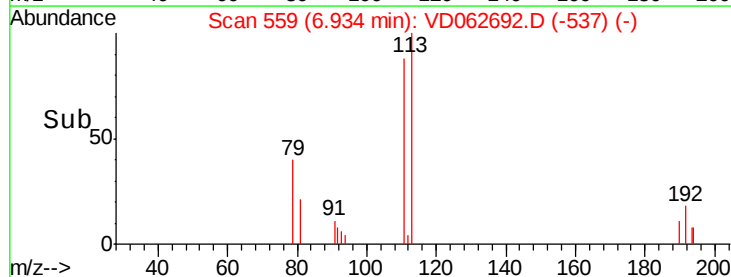
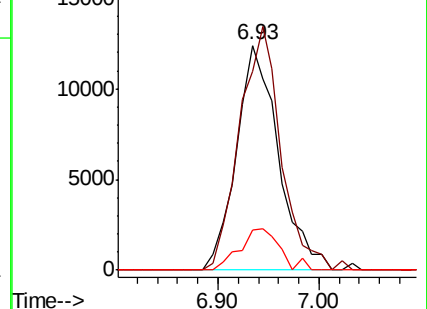
192 17.6 11.4 17.0#

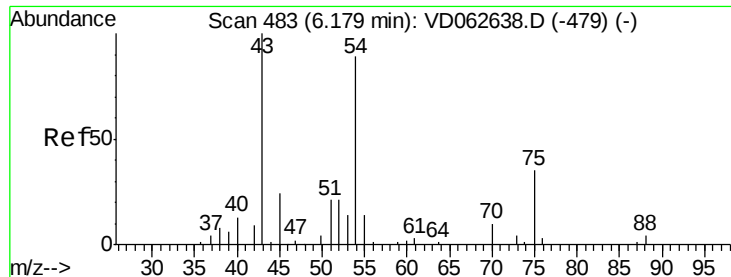


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

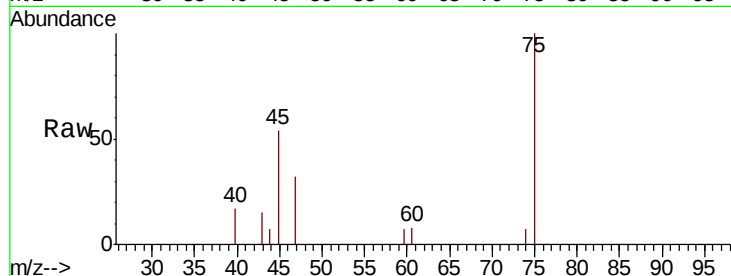




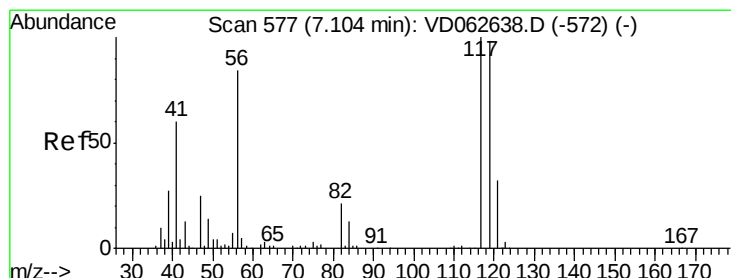
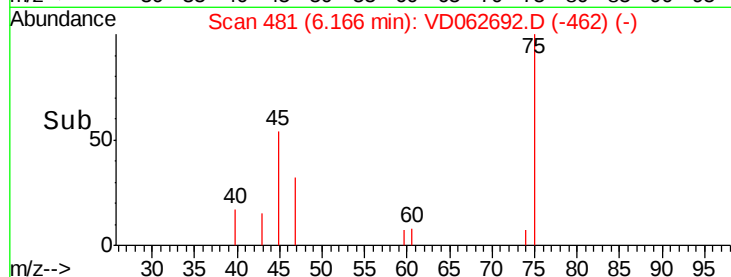
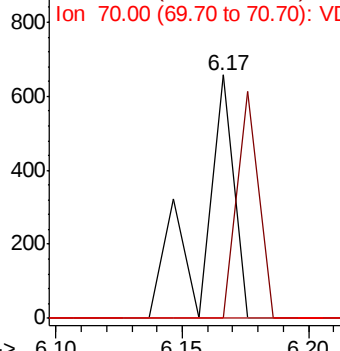
#37
Ethyl Acetate
Concen: 2.847 ug/l
RT: 6.17 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD062692.D
Acq: 13 Jun 2019 14:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#

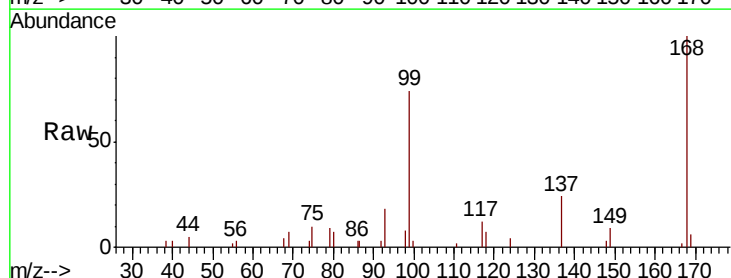


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

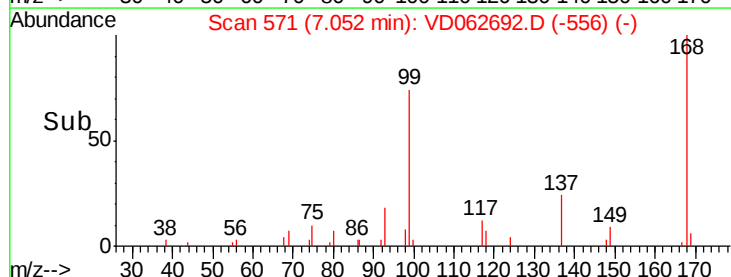
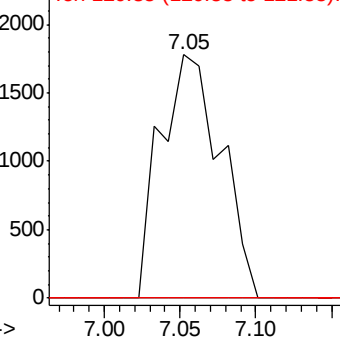


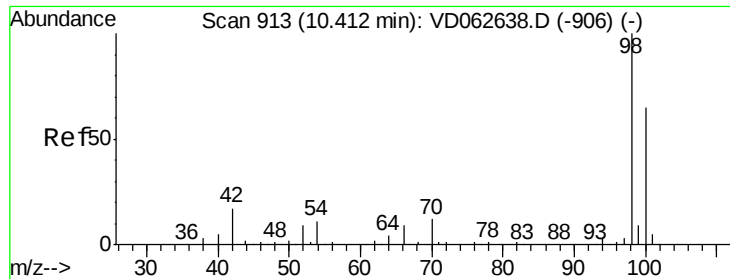
#38
Carbon Tetrachloride
Concen: 3.894 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062692.D
Acq: 13 Jun 2019 14:17

Tgt Ion: 117 Resp: 4965
Ion Ratio Lower Upper
117 100
119 0.0 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

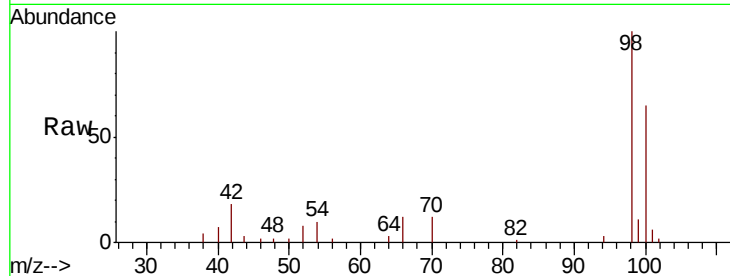




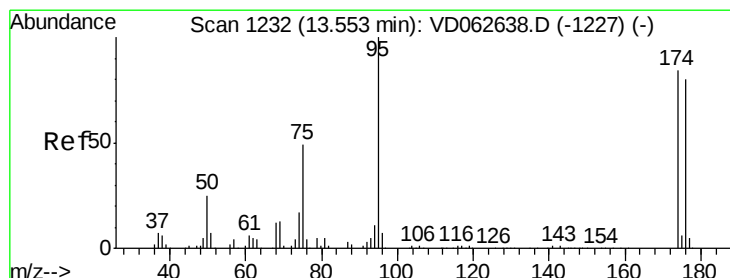
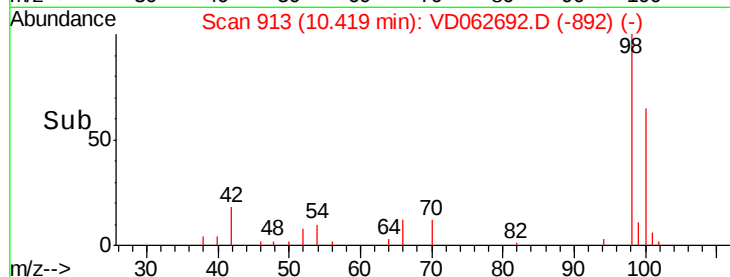
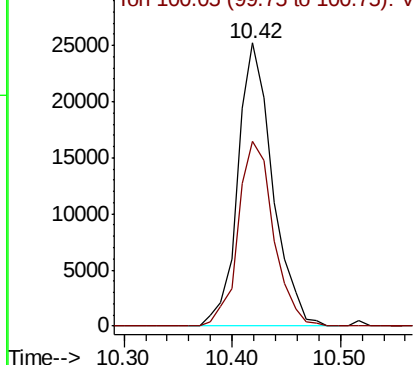
#50
Toluene-d8
Concen: 35.816 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062692.D
Acq: 13 Jun 2019 14:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 56009
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1

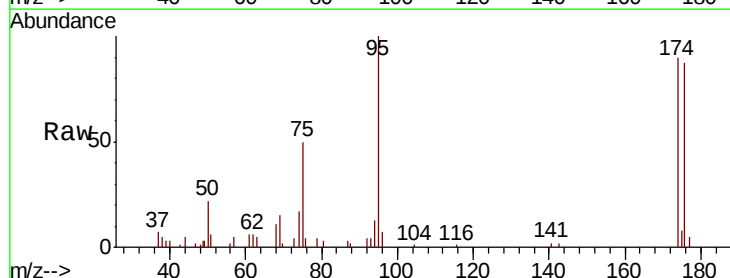


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

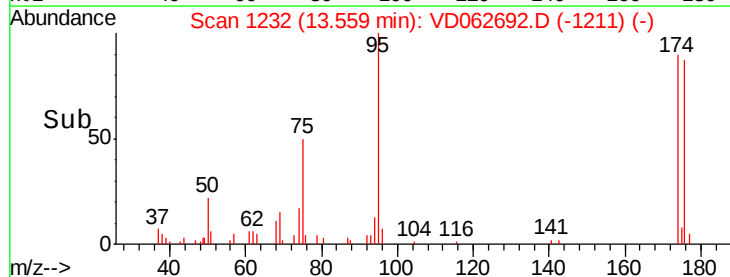
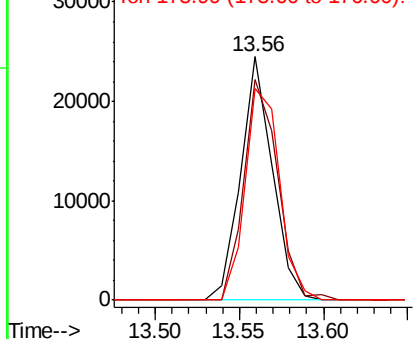


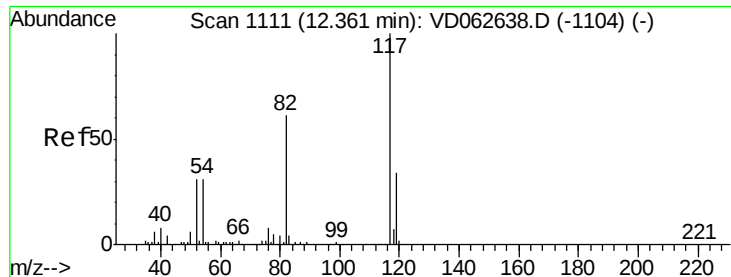
#62
4-Bromofluorobenzene
Concen: 43.855 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD062692.D
Acq: 13 Jun 2019 14:17

Tgt Ion: 95 Resp: 31995
Ion Ratio Lower Upper
95 100
174 90.4 0.0 167.0
176 87.1 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

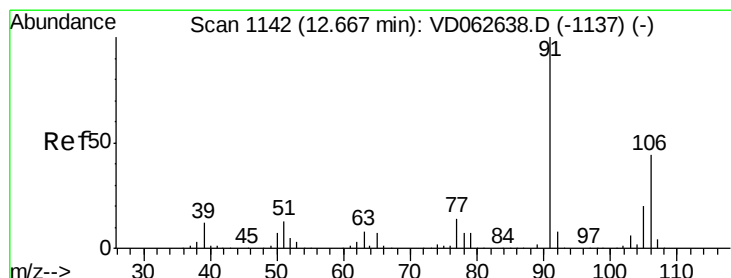
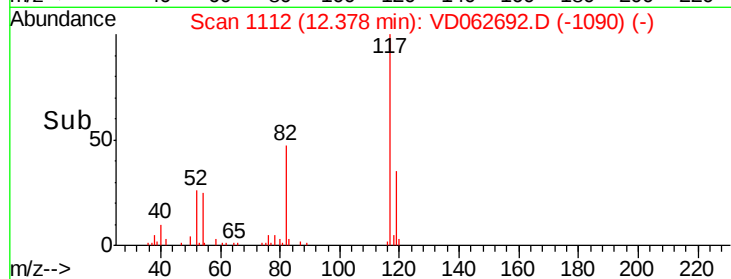
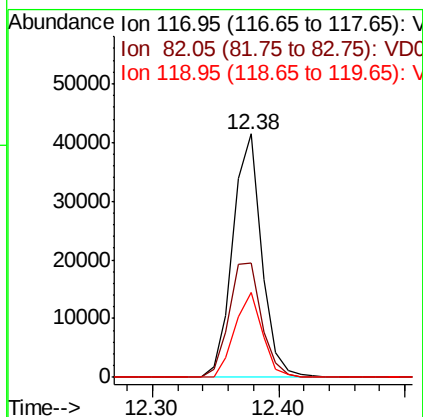
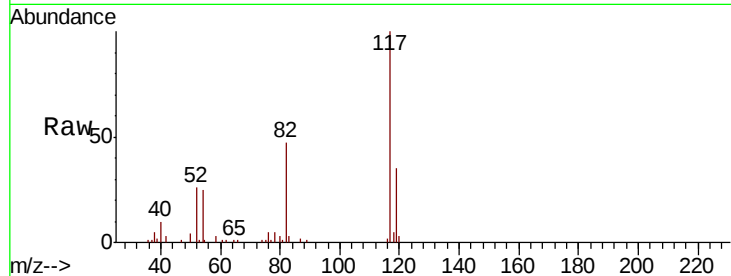




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062692.D
Acq: 13 Jun 2019 14:17

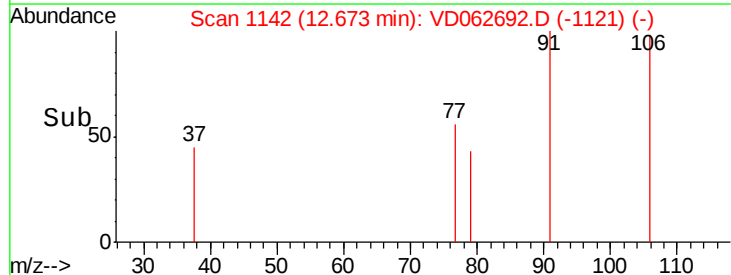
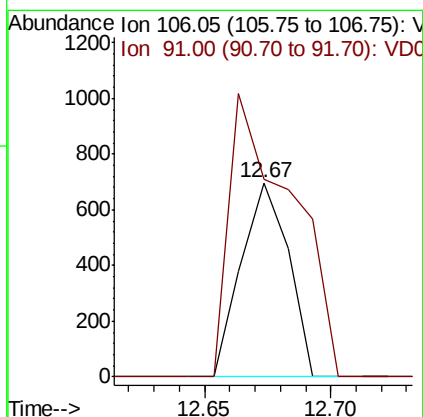
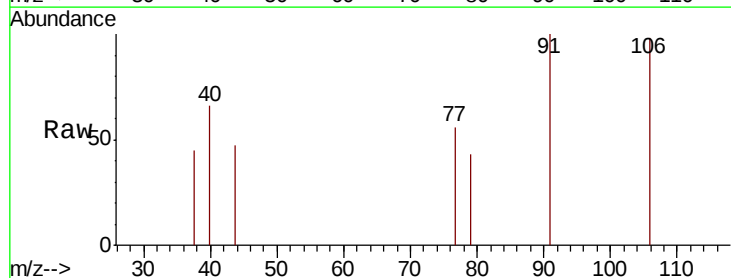
Instrument :
MSVOA_D
ClientSampled :

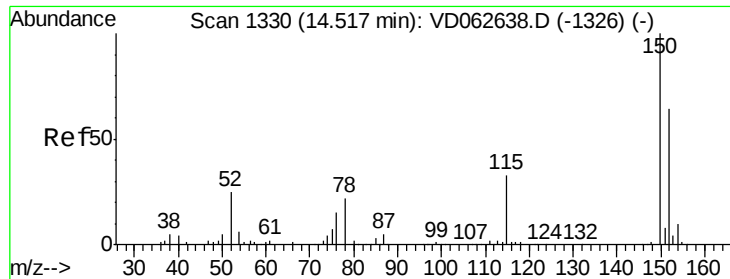
Tot Ion:117 Resp: 65424
Ion Ratio Lower Upper
117 100
82 46.9 48.7 73.1#
119 34.8 27.0 40.6



#68
m/p-Xylenes
Concen: 1.006 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062692.D
Acq: 13 Jun 2019 14:17

Tgt Ion:106 Resp: 907
Ion Ratio Lower Upper
106 100
91 102.0 180.2 270.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

Instrument :

MSVOA_D

ClientSampleId :

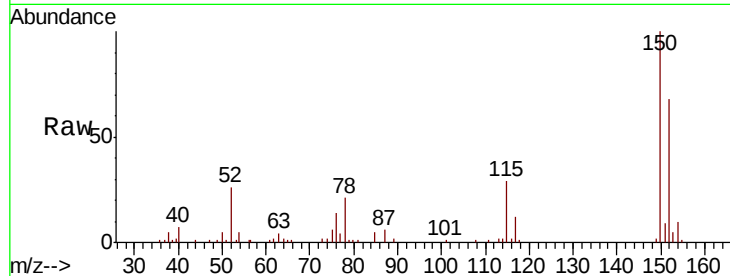
Tot Ion:152 Resp: 38003

Ion Ratio Lower Upper

152 100

115 42.5 30.1 90.5

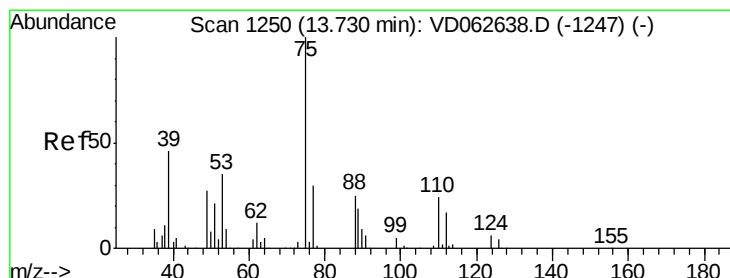
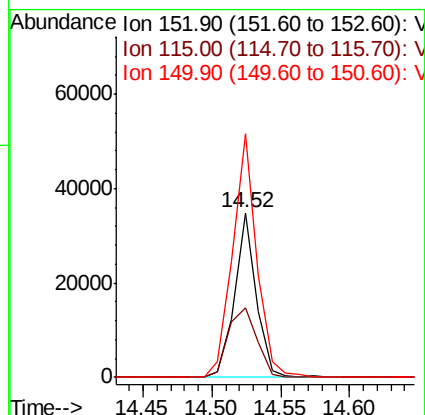
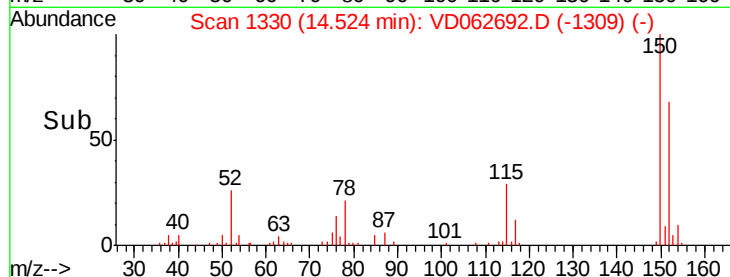
150 147.8 0.0 314.0



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



#76

1,2,3-Trichloropropane

Concen: 25.491 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062692.D

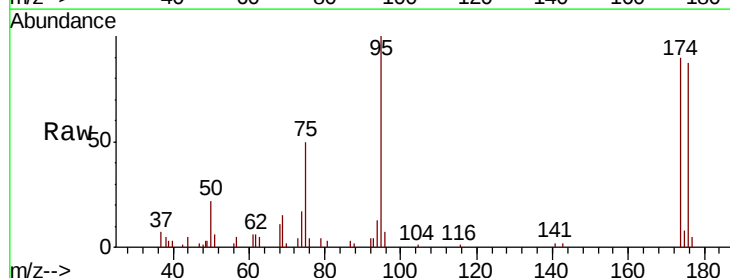
Acq: 13 Jun 2019 14:17

Tgt Ion: 75 Resp: 13135

Ion Ratio Lower Upper

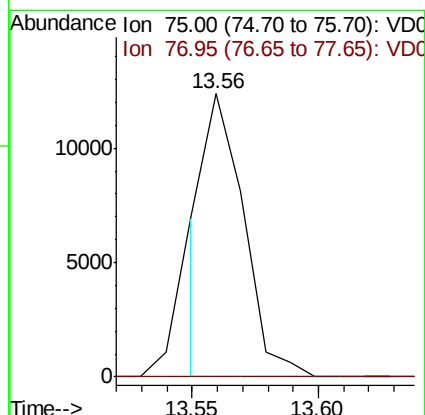
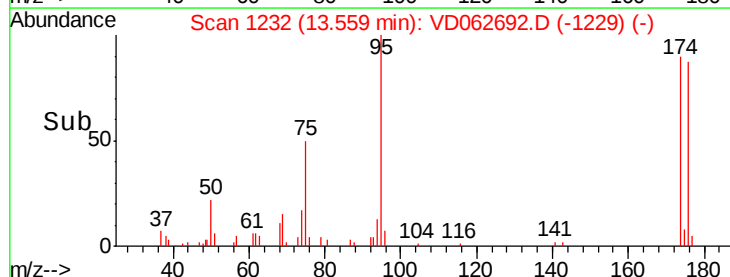
75 100

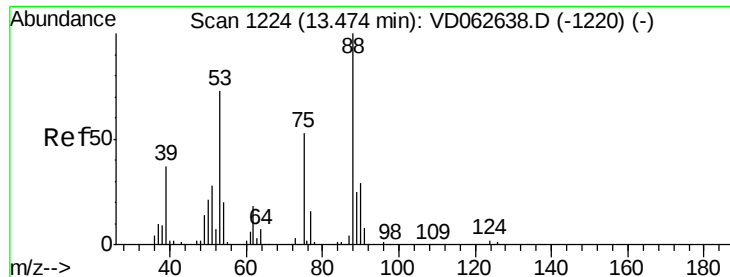
77 0.0 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.619 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

Instrument :

MSVOA_D

ClientSampleId :

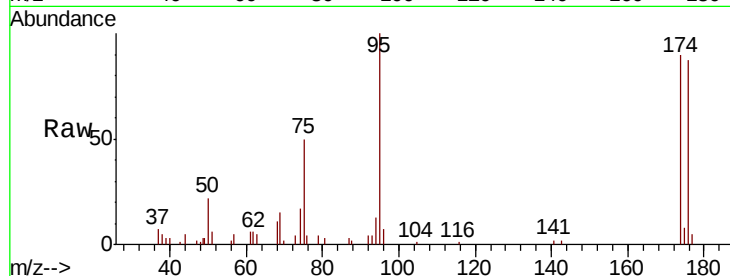
Tot Ion: 75 Resp: 17852

Ion Ratio Lower Upper

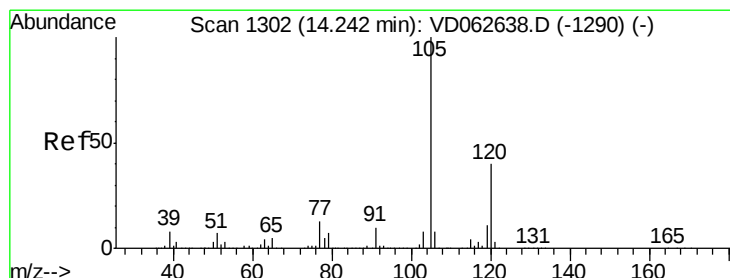
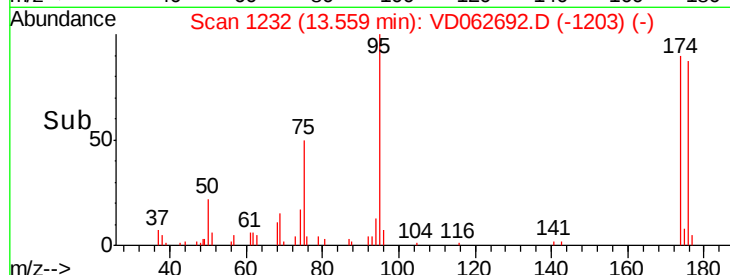
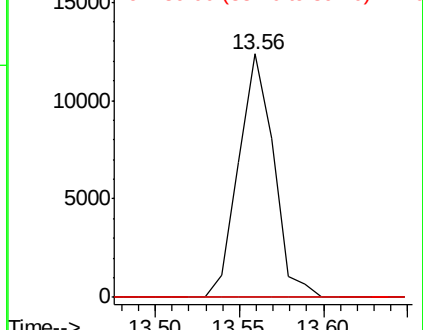
75 100

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



#84

1,2,4-Trimethylbenzene

Concen: 1.035 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD062692.D

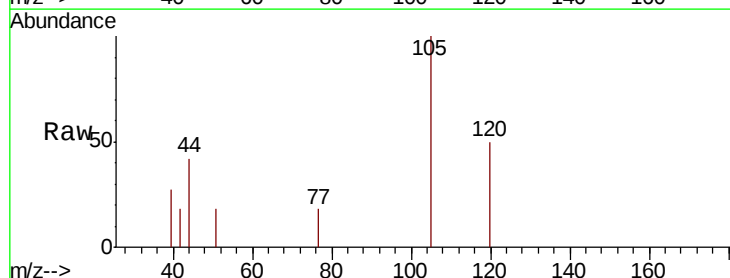
Acq: 13 Jun 2019 14:17

Tgt Ion:105 Resp: 2427

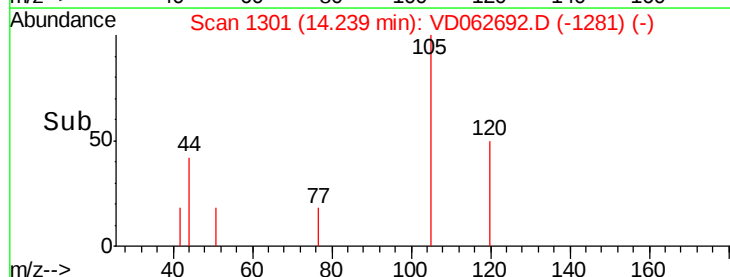
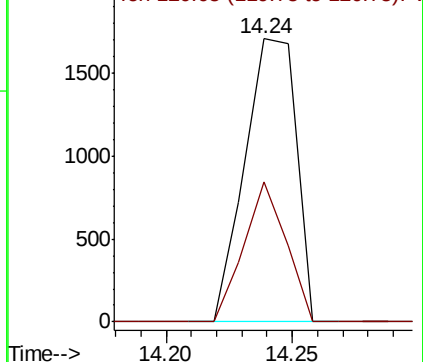
Ion Ratio Lower Upper

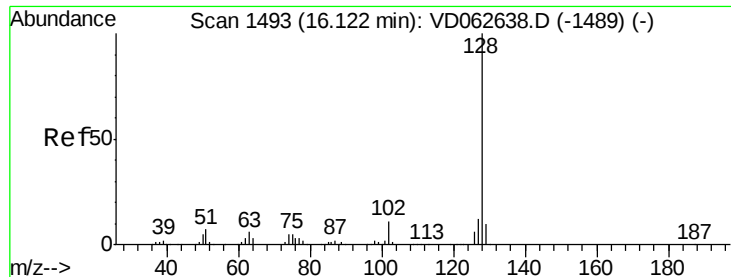
105 100

120 49.7 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#95

Naphthalene

Concen: 5.181 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

Instrument :

MSVOA_D

ClientSampleId :

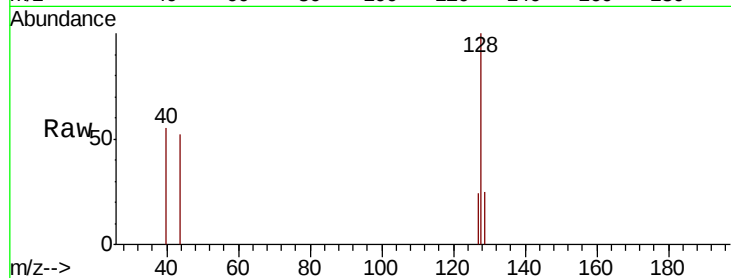
Tot Ion:128 Resp: 2565

Ion Ratio Lower Upper

128 100

127 19.0 9.7 14.5#

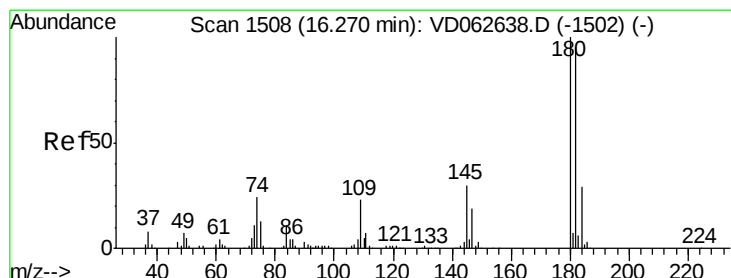
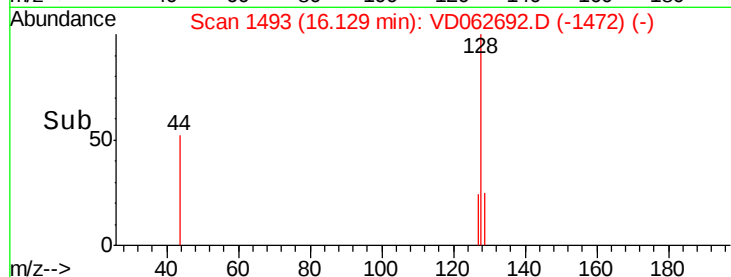
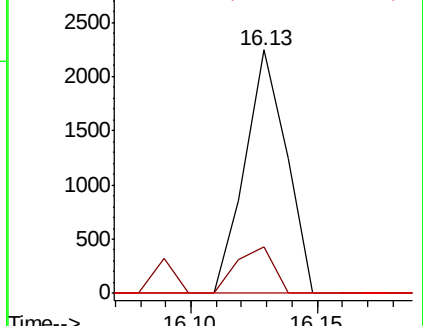
129 0.0 8.1 12.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.069 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD062692.D

Acq: 13 Jun 2019 14:17

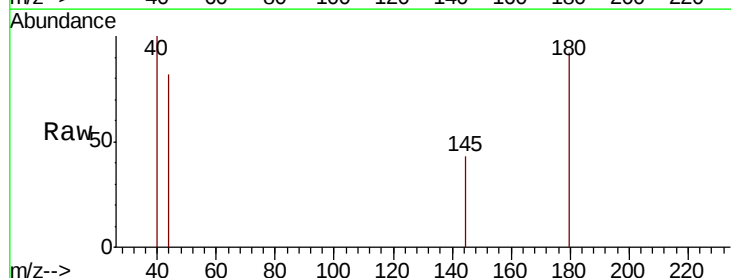
Tgt Ion:180 Resp: 710

Ion Ratio Lower Upper

180 100

182 0.0 47.7 143.1#

145 46.5 15.0 45.0#



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

