

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009724.D
 Acq On : 20 May 2019 14:29
 Operator : JC/SP
 Sample : K2952-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-DUP-20190516

Quant Time: May 21 07:41:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	170451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	270676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	89404	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113075	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	5.50	113	83033	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	341761	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	105745	42.36	ug/l	0.00
Spiked Amount			Recovery	=	84.72%	

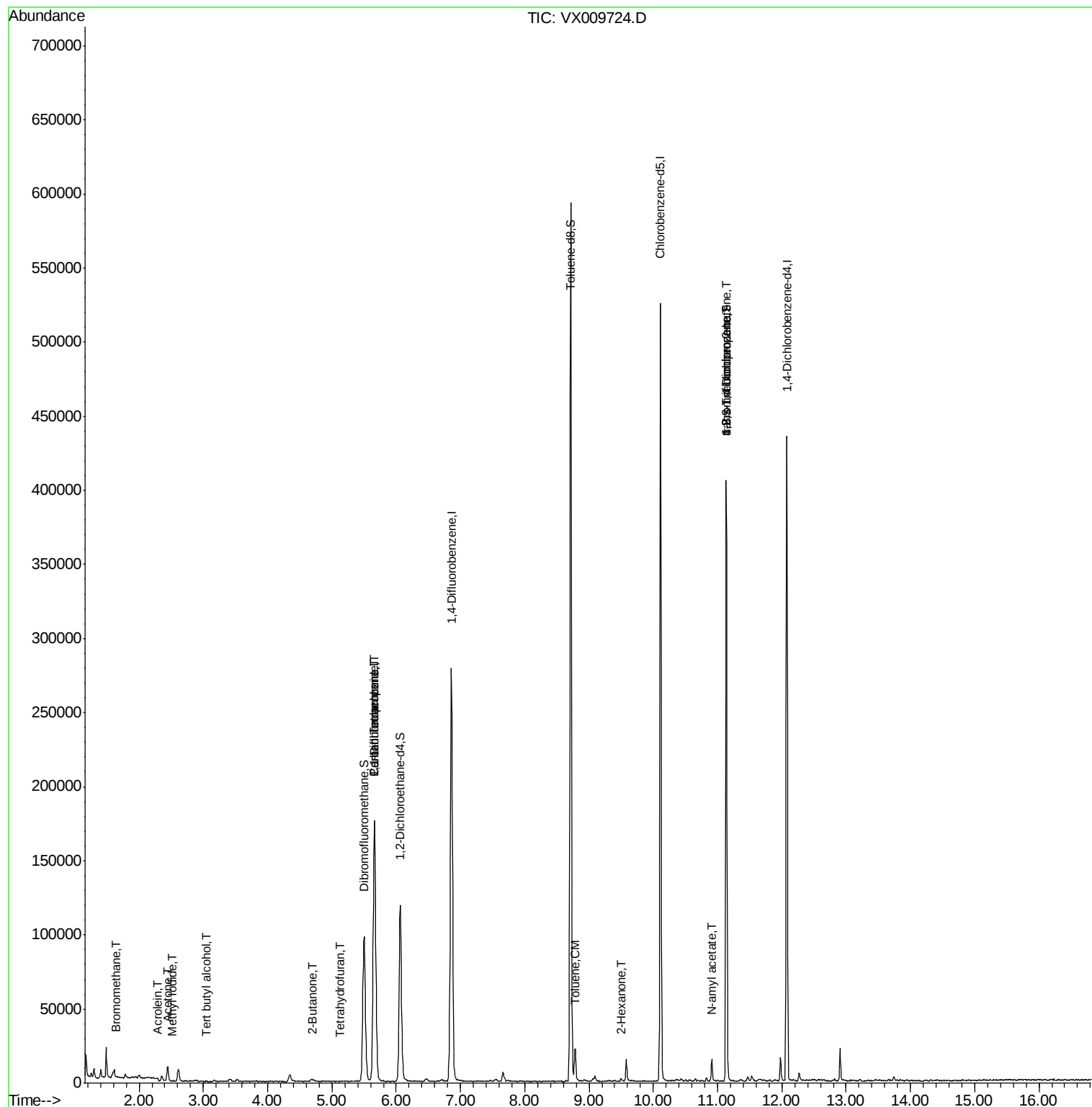
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	300	0.239	ug/l #	77
10) Methyl Iodide	2.52	142	197	4.690	ug/l #	68
11) Tert butyl alcohol	3.04	59	229	0.425	ug/l	95
13) Acrolein	2.29	56	311	0.638	ug/l #	74
16) Acetone	2.45	43	11292	9.038	ug/l	92
25) 2-Butanone	4.68	43	2779	1.431	ug/l	96
28) Bromochloromethane	5.03	49	64	Below Cal	#	18
29) Tetrahydrofuran	5.13	42	273	0.219	ug/l #	38
36) 1,1-Dichloropropene	5.67	75	13292	5.284	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16399	7.175	ug/l #	16
52) Toluene	8.79	92	7943	1.679	ug/l	96
59) 2-Hexanone	9.49	43	937	0.326	ug/l	76
74) N-amyl acetate	10.91	43	2378	0.627	ug/l #	12
76) 1,2,3-Trichloropropane	11.13	75	54146	26.109	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	54146	66.803	ug/l #	10

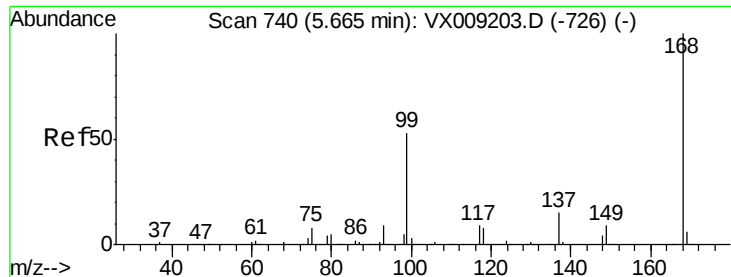
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052019\
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Quant Time: May 21 07:41:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

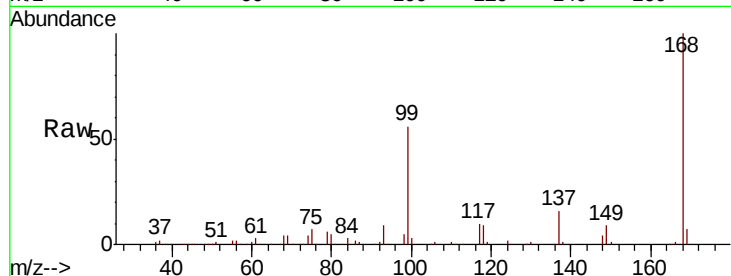
BP-VPB202-DUP-20190516

Tot Ion:168 Resp: 170451

Ion Ratio Lower Upper

168 100

99 55.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

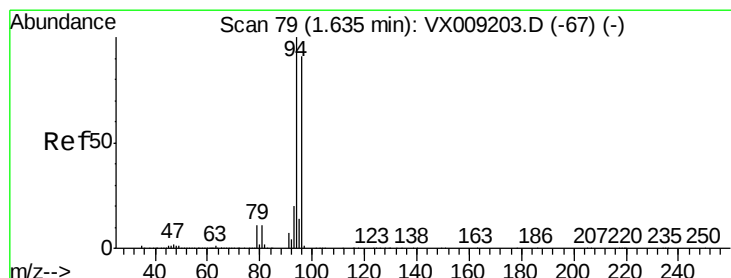
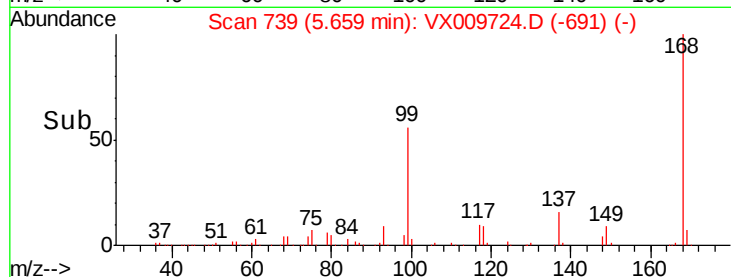
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.239 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009724.D

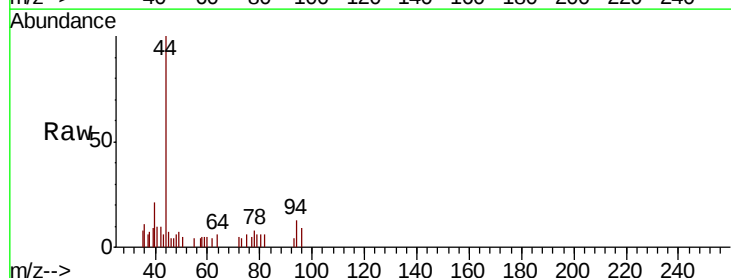
Acq: 20 May 2019 14:29

Tgt Ion: 94 Resp: 300

Ion Ratio Lower Upper

94 100

96 69.1 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

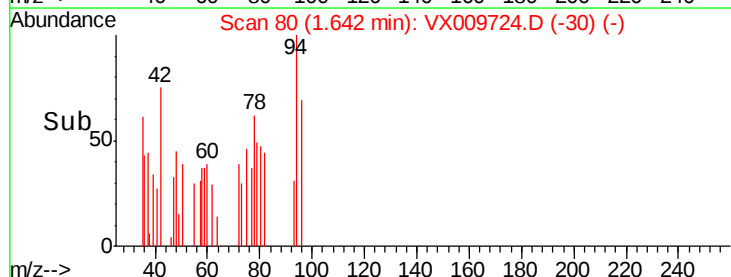
150

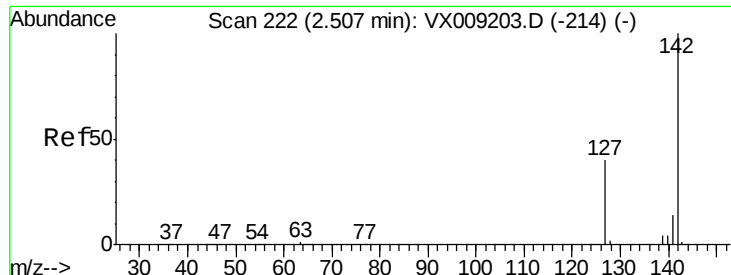
100

50

0

Time--> 1.62 1.64 1.66 1.68

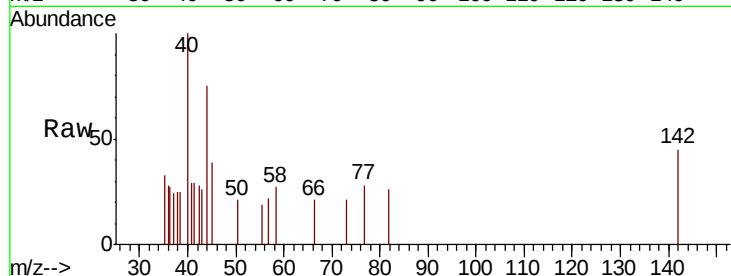




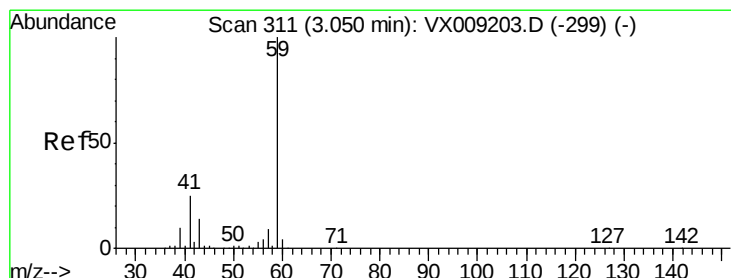
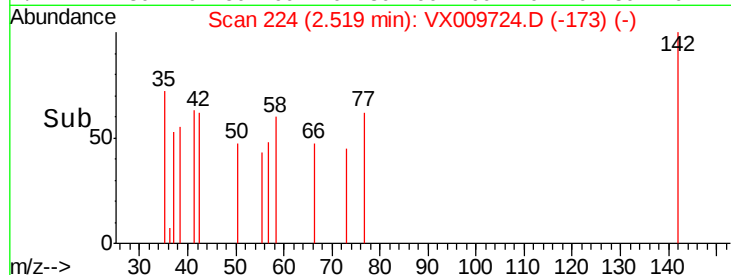
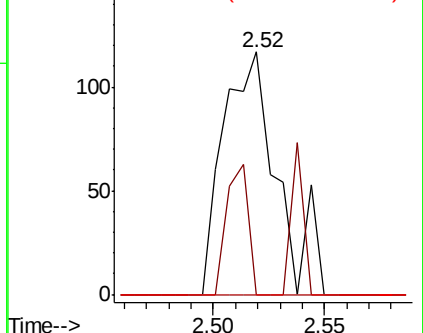
#10
Methvl Iodide
Concen: 4.690 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009724.D
Acq: 20 May 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-DUP-20190516

Tot Ion:142 Resp: 197
Ion Ratio Lower Upper
142 100
127 21.3 32.7 49.1#
141 0.0 11.5 17.3#

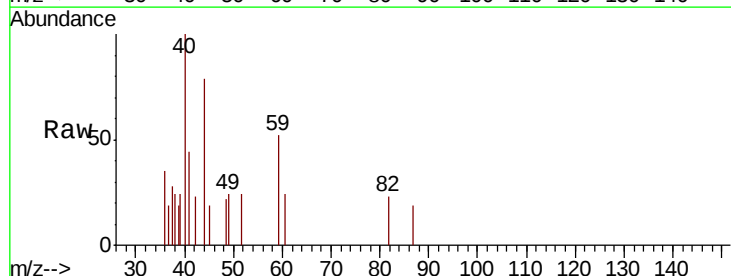


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

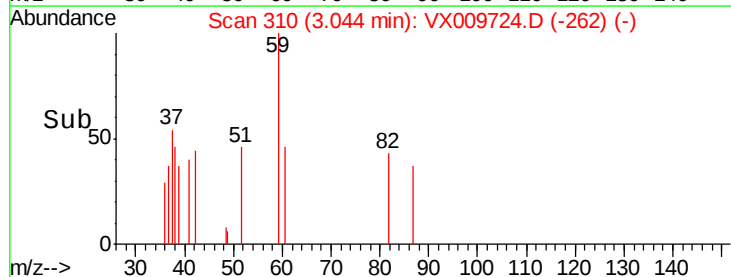
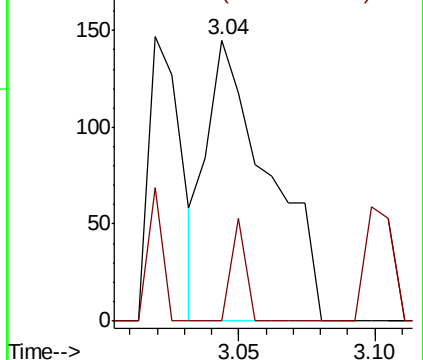


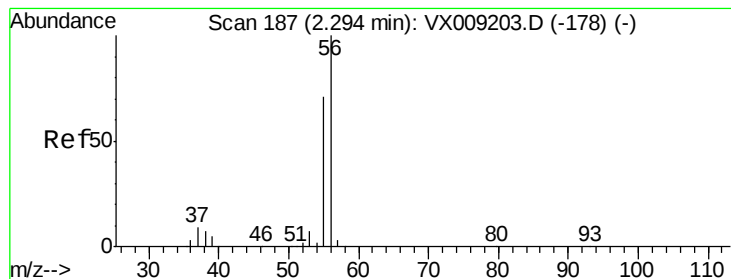
#11
Tert butyl alcohol
Concen: 0.425 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009724.D
Acq: 20 May 2019 14:29

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 8.3 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.638 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

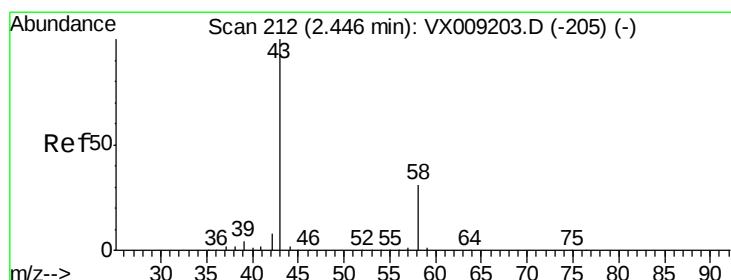
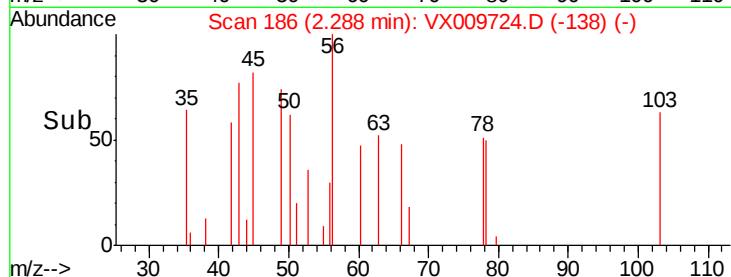
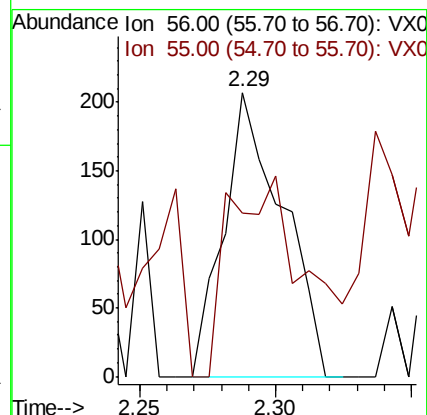
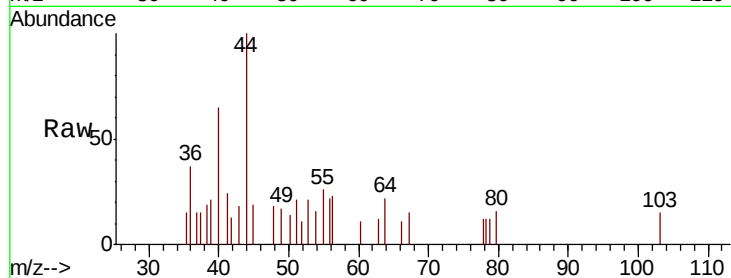
BP-VPB202-DUP-20190516

Tot Ion: 56 Resp: 311

Ion Ratio Lower Upper

56 100

55 92.0 56.6 85.0#



#16

Acetone

Concen: 9.038 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009724.D

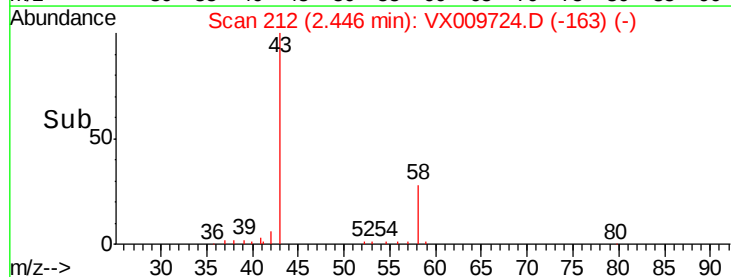
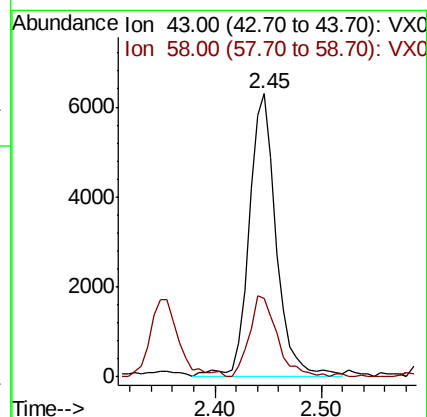
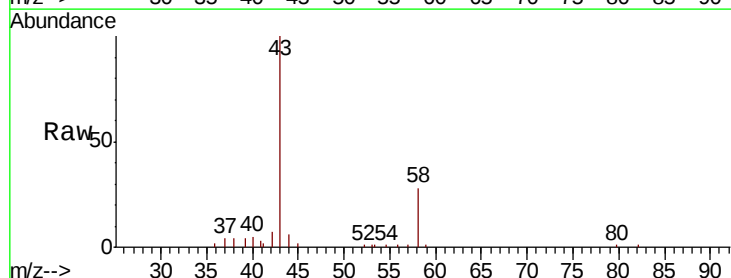
Acq: 20 May 2019 14:29

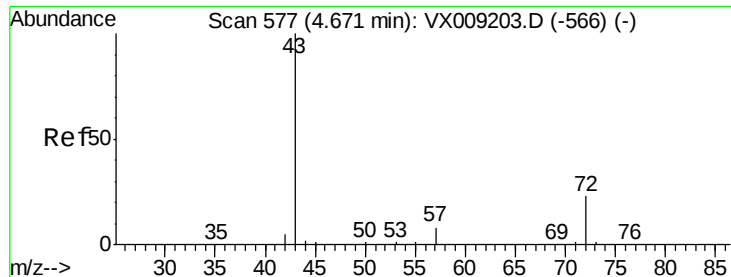
Tgt Ion: 43 Resp: 11292

Ion Ratio Lower Upper

43 100

58 26.4 24.9 37.3





#25

2-Butanone

Concen: 1.431 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

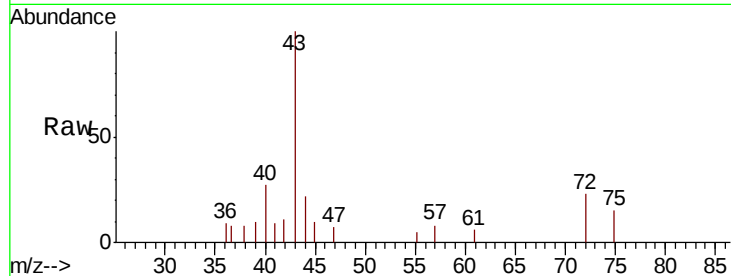
BP-VPB202-DUP-20190516

Tot Ion: 43 Resp: 2779

Ion Ratio Lower Upper

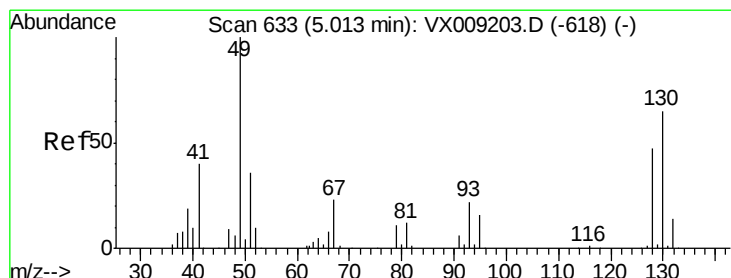
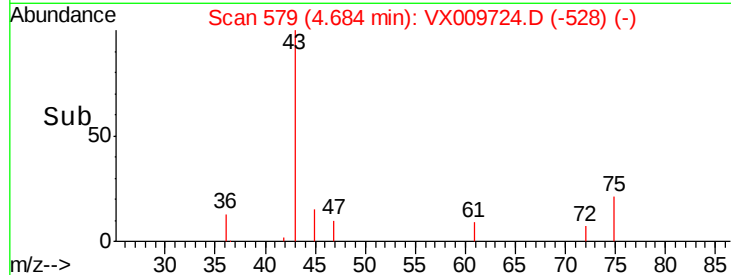
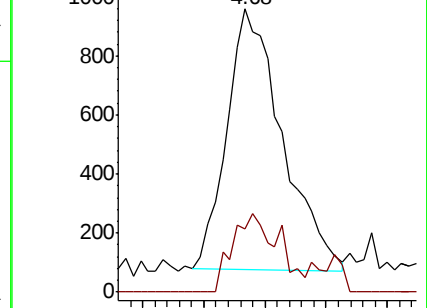
43 100

72 24.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

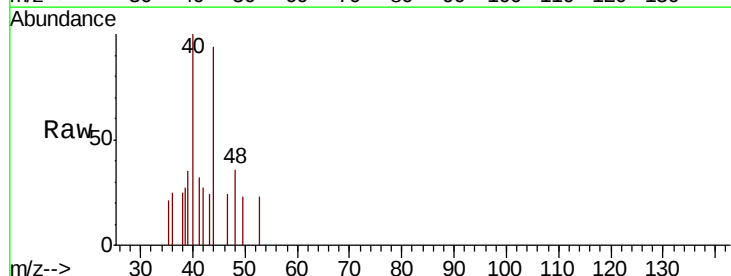
Tgt Ion: 49 Resp: 64

Ion Ratio Lower Upper

49 100

129 29.7 0.0 3.8#

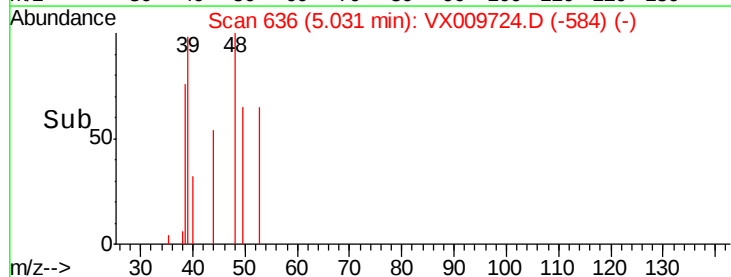
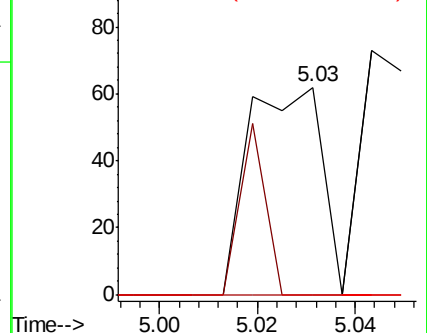
130 0.0 51.2 76.8#

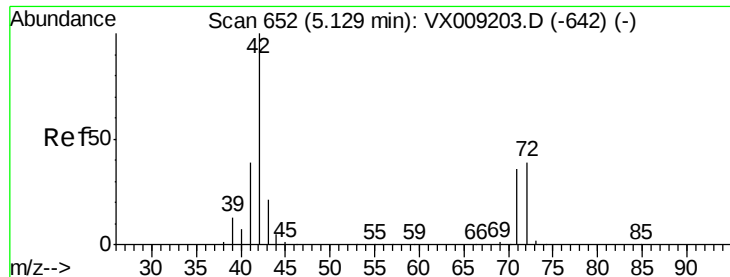


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-DUP-20190516

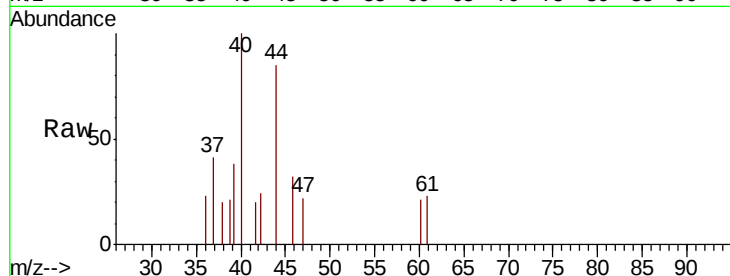
Tot Ion: 42 Resp: 273

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

71 0.0 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

200

150

100

50

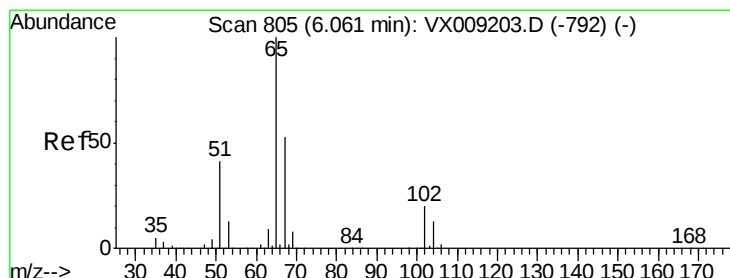
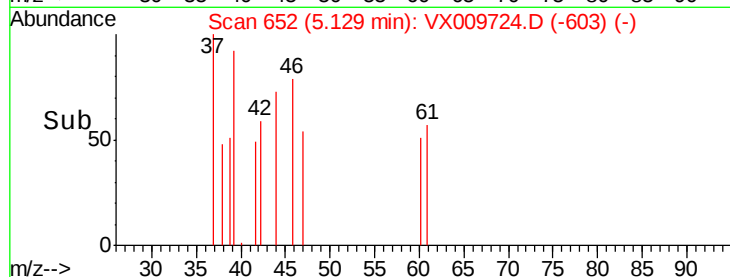
0

5.10

5.15

5.13

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.596 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009724.D

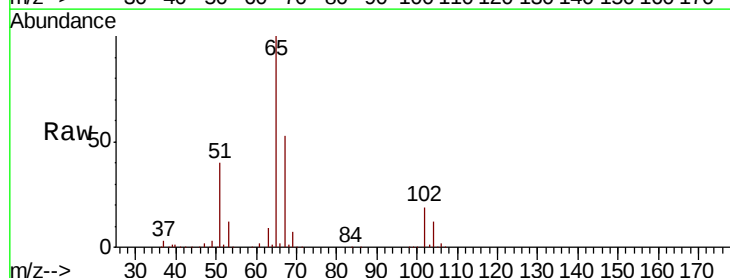
Acq: 20 May 2019 14:29

Tgt Ion: 65 Resp: 113075

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

50000

40000

30000

20000

10000

0

5.90

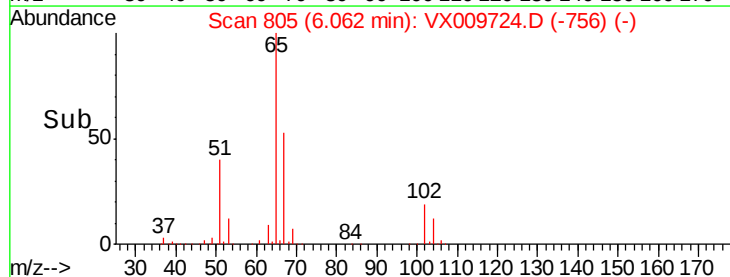
6.00

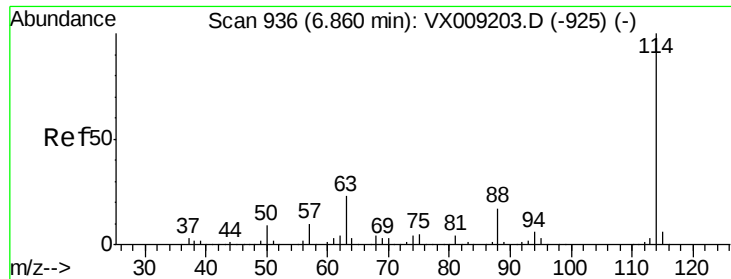
6.06

6.10

6.20

Time-->

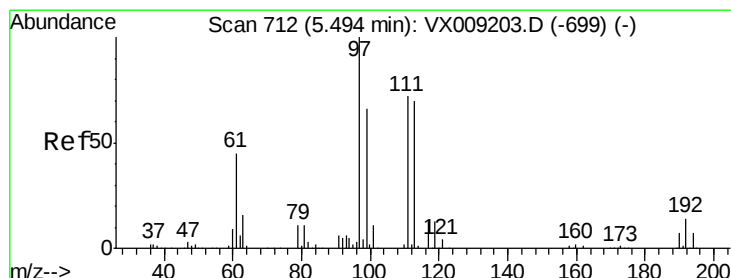
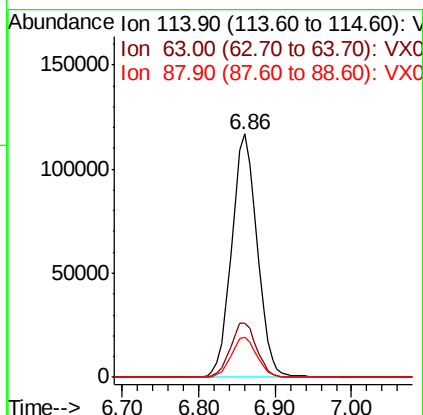
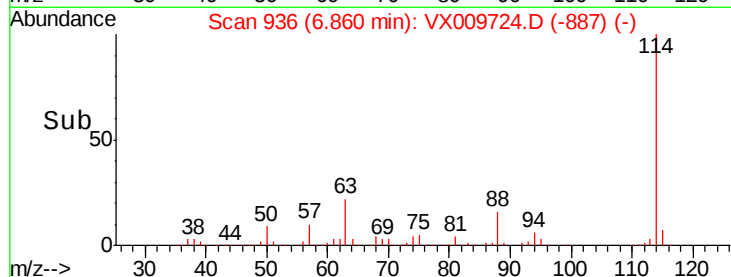
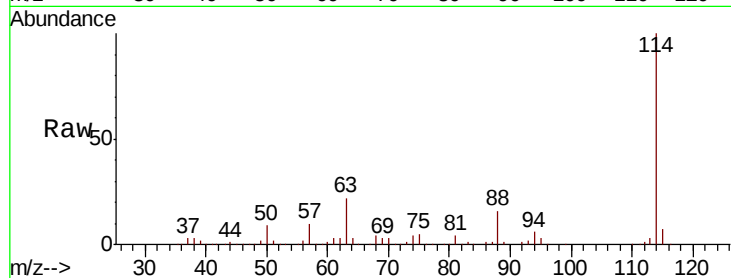




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009724.D
 Acq: 20 May 2019 14:29

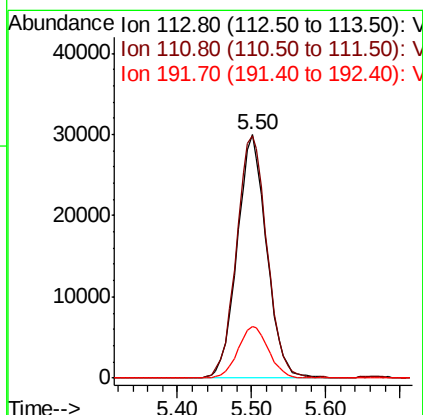
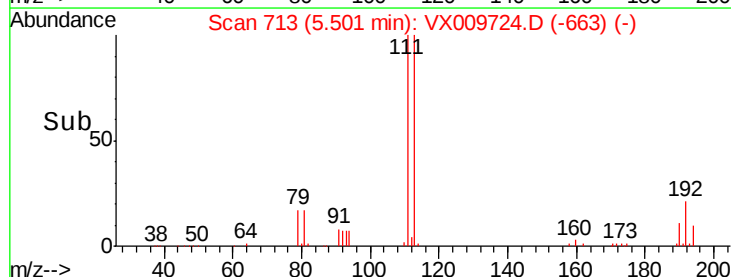
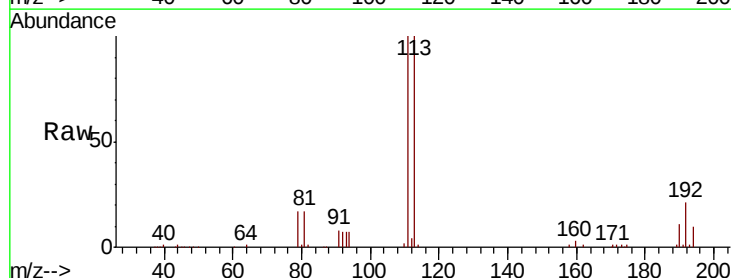
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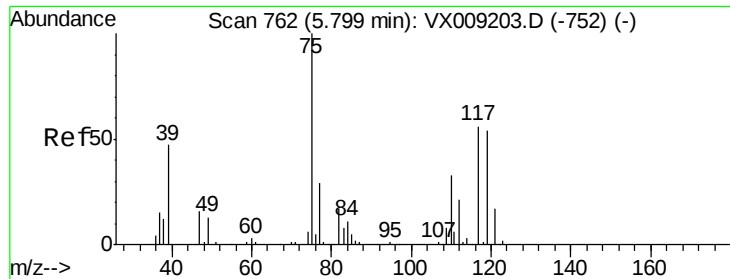
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	45.6
88	16.3	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.798 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009724.D
 Acq: 20 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	22.0	17.0	25.6





#36

1,1-Dichloropropene

Concen: 5.284 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-DUP-20190516

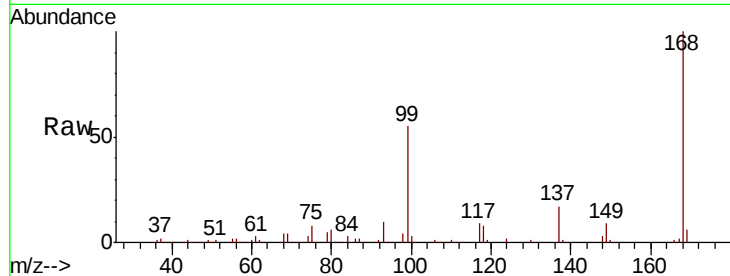
Tot Ion: 75 Resp: 13292

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

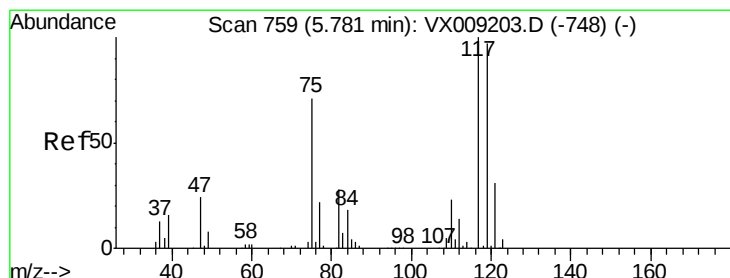
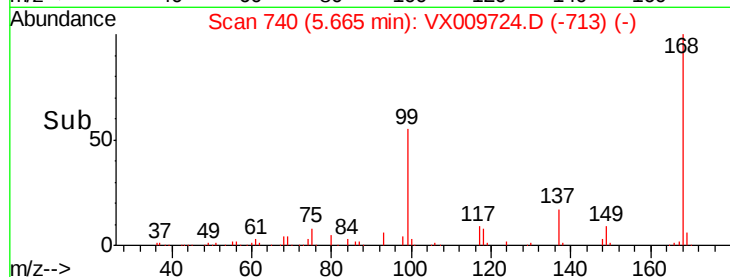
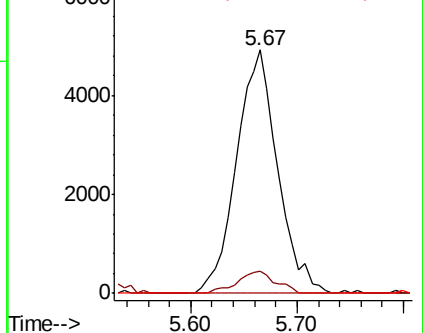
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.175 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

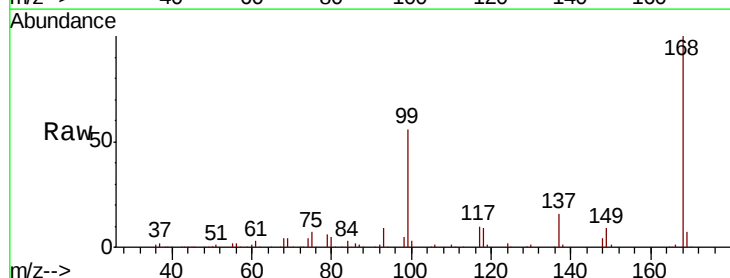
Tgt Ion: 117 Resp: 16399

Ion Ratio Lower Upper

117 100

119 5.2 77.5 116.3#

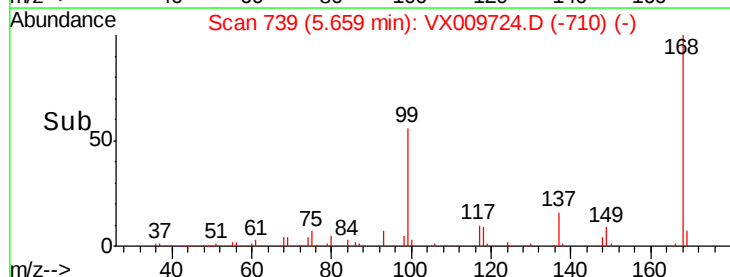
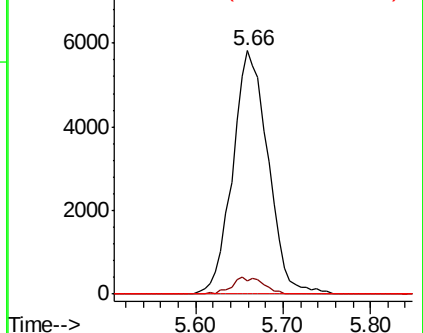
121 0.0 24.7 37.1#

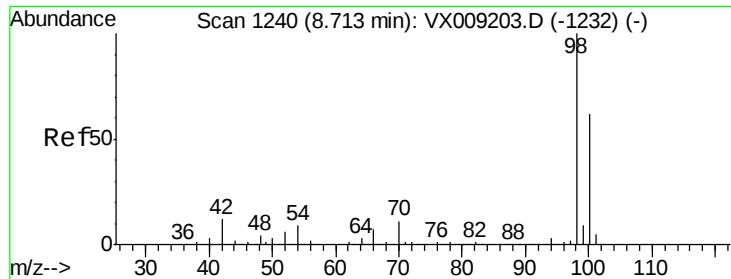


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.749 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

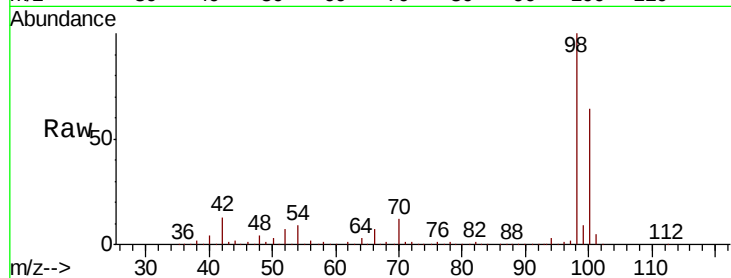
BP-VPB202-DUP-20190516

Tot Ion: 98 Resp: 341761

Ion Ratio Lower Upper

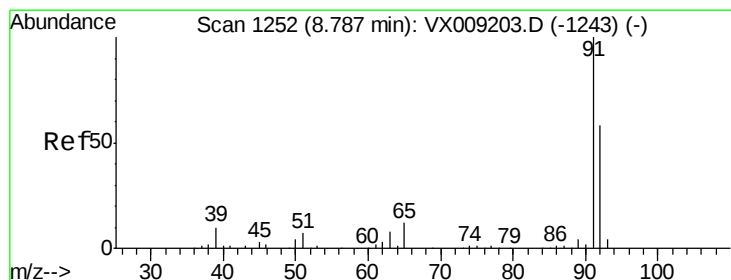
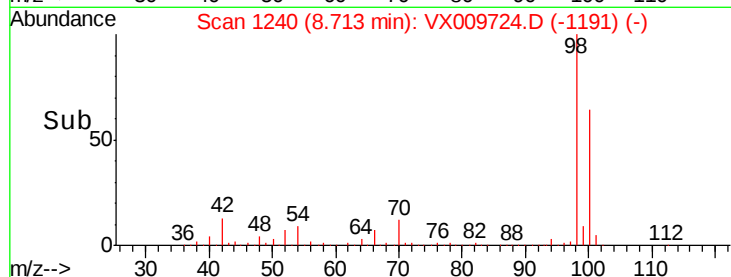
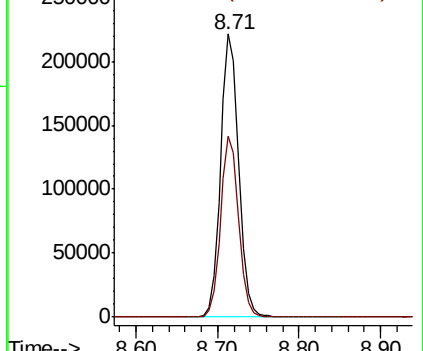
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 1.679 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009724.D

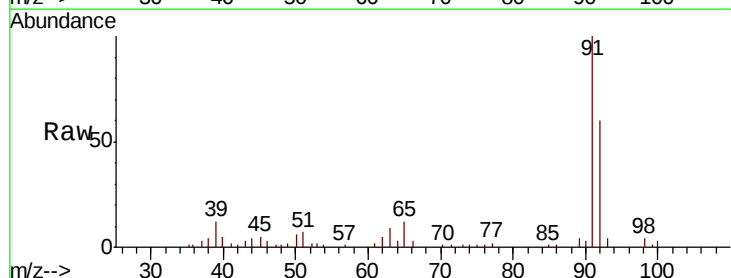
Acq: 20 May 2019 14:29

Tgt Ion: 92 Resp: 7943

Ion Ratio Lower Upper

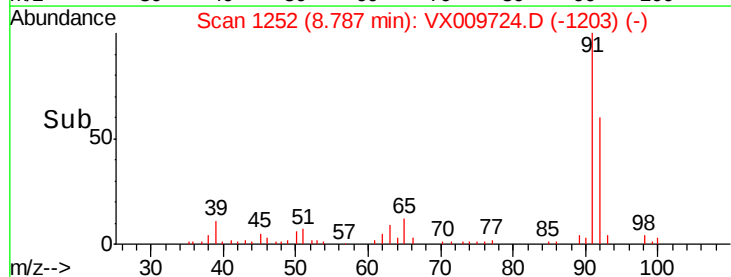
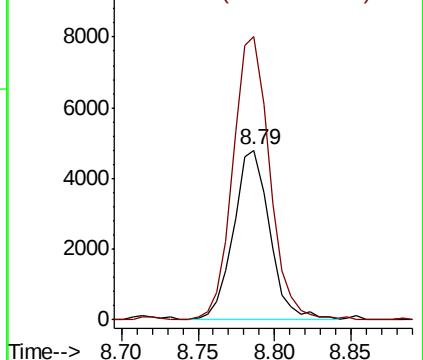
92 100

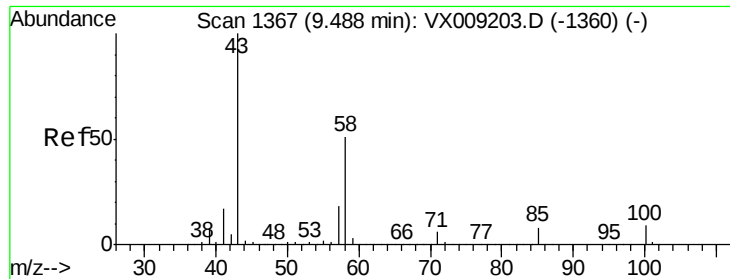
91 168.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

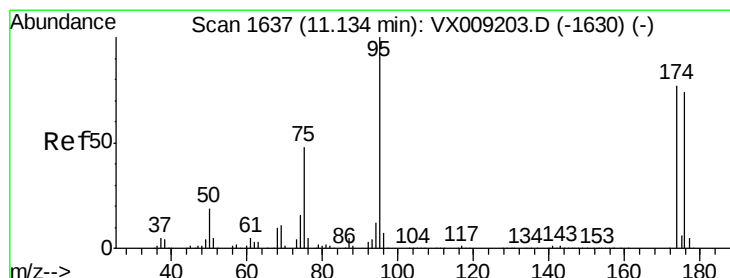
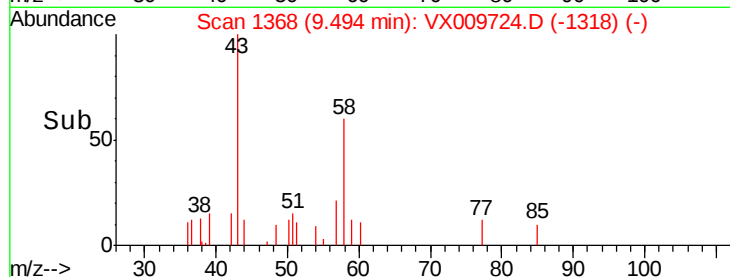
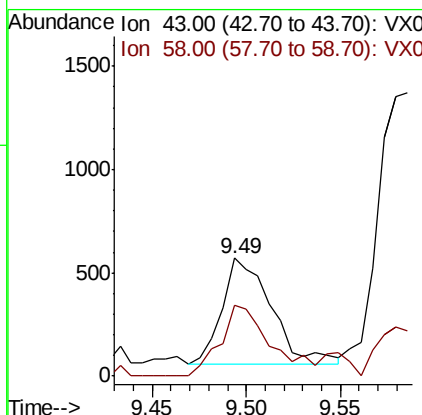
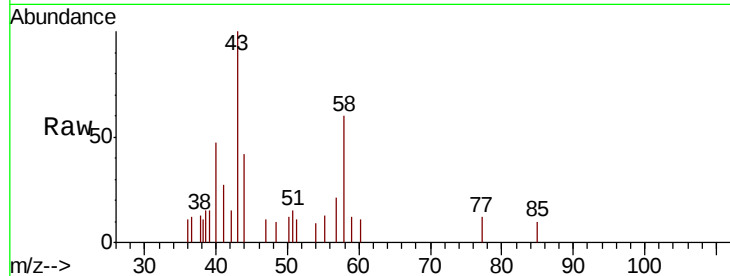




#59
2-Hexanone
Concen: 0.326 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009724.D
Acq: 20 May 2019 14:29

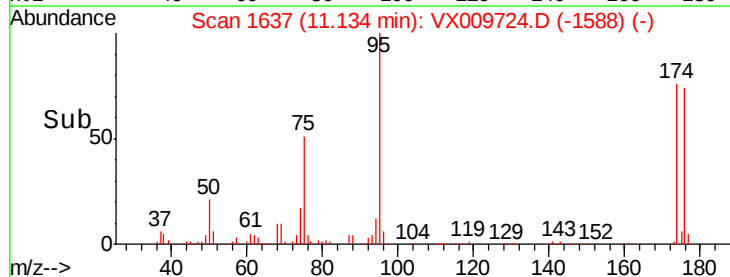
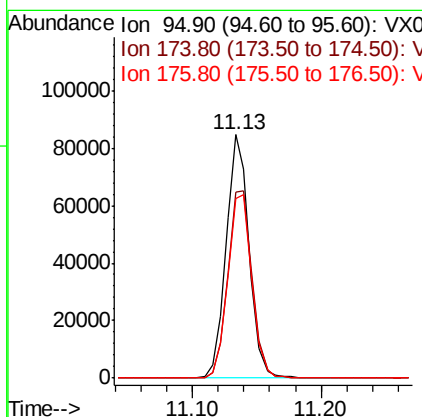
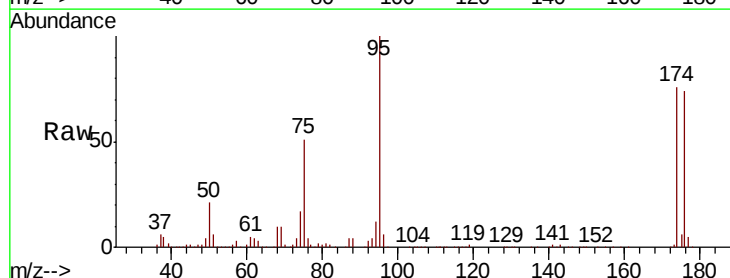
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-DUP-20190516

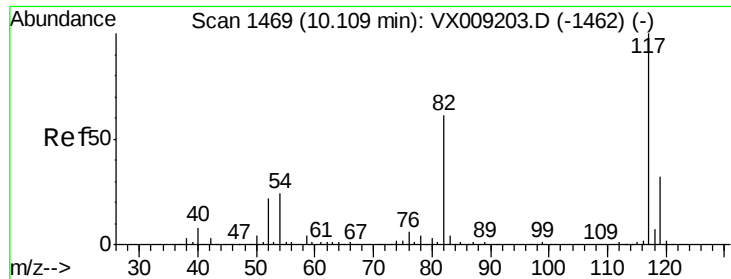
Tot Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 68.5 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 42.363 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009724.D
Acq: 20 May 2019 14:29

Tgt Ion: 95 Resp: 105745
Ion Ratio Lower Upper
95 100
174 82.0 0.0 161.6
176 79.6 0.0 159.2

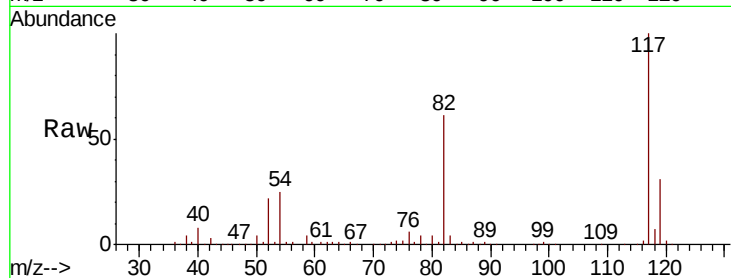




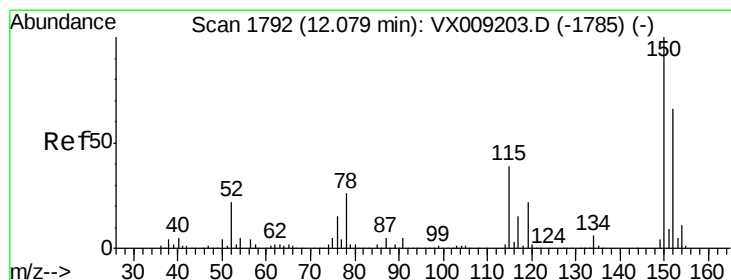
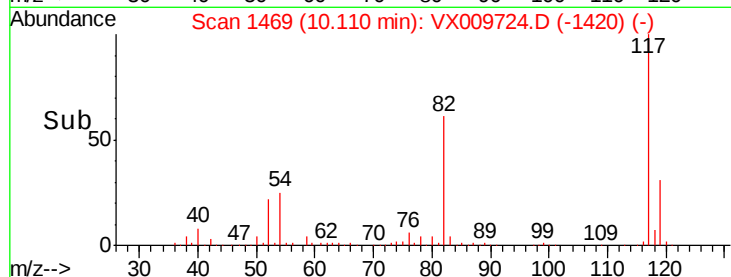
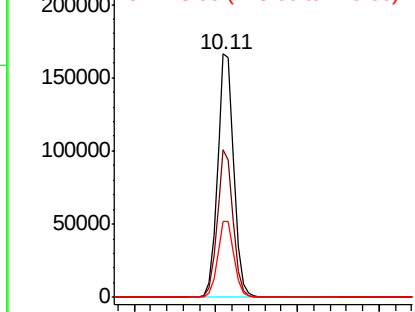
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009724.D
Acq: 20 May 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-DUP-20190516

Tot Ion:117 Resp: 232811
Ion Ratio Lower Upper
117 100
82 60.9 48.8 73.2
119 31.5 25.8 38.6

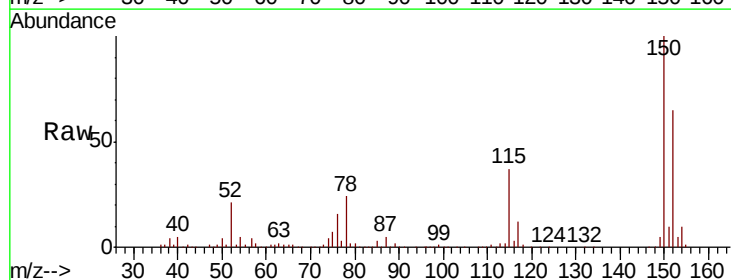


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

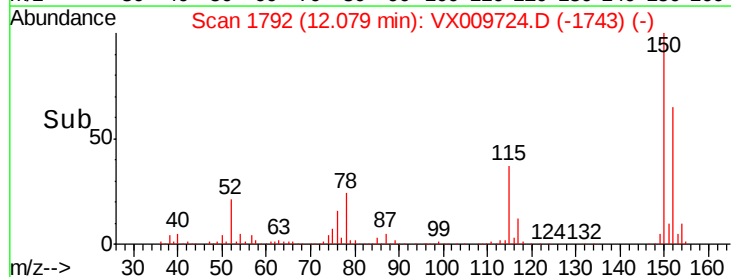
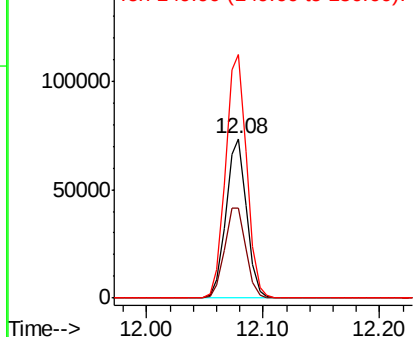


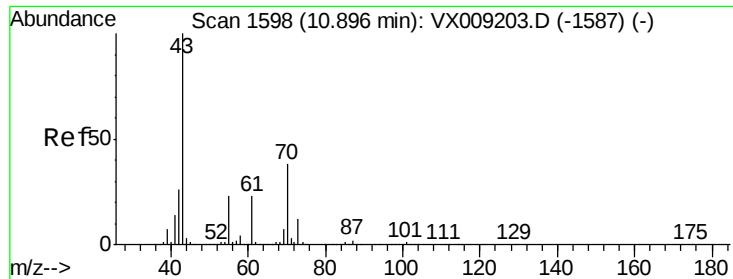
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009724.D
Acq: 20 May 2019 14:29

Tgt Ion:152 Resp: 89404
Ion Ratio Lower Upper
152 100
115 59.1 41.2 123.6
150 157.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.627 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-DUP-20190516

Tot Ion: 43 Resp: 2378

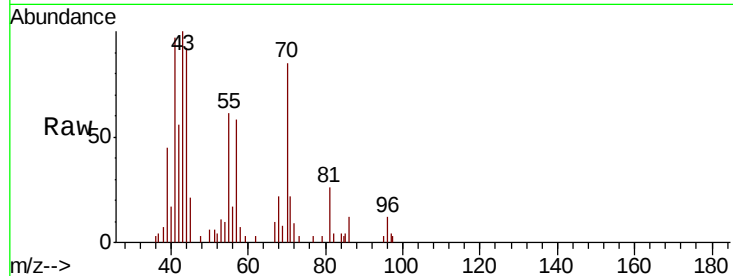
Ion Ratio Lower Upper

43 100

70 93.9 30.0 45.0#

55 79.6 17.9 26.9#

61 0.0 18.4 27.6#

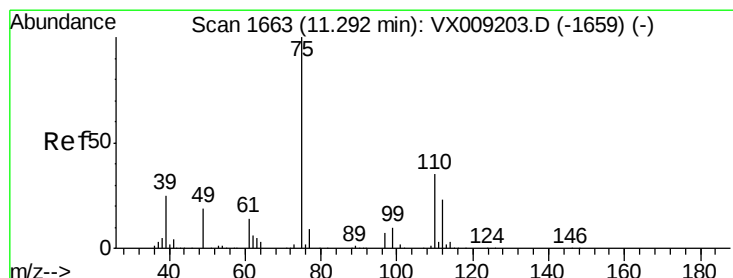
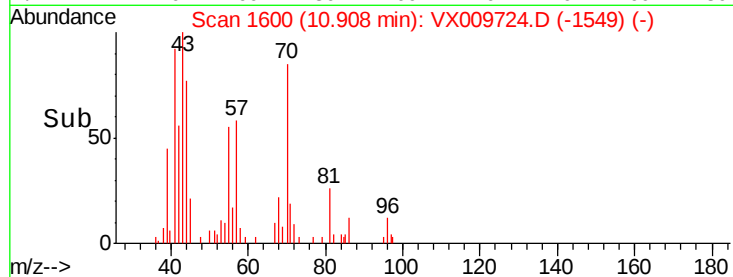
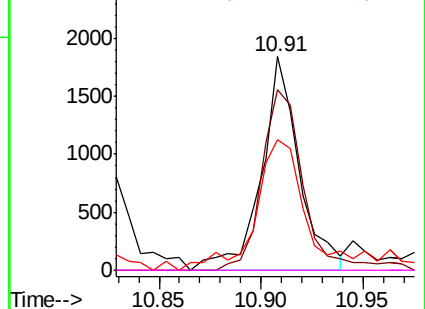


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 26.109 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009724.D

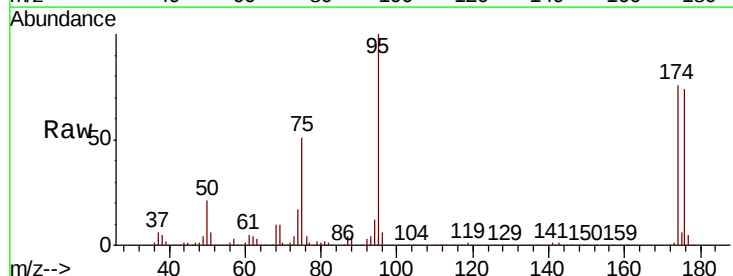
Acq: 20 May 2019 14:29

Tgt Ion: 75 Resp: 54146

Ion Ratio Lower Upper

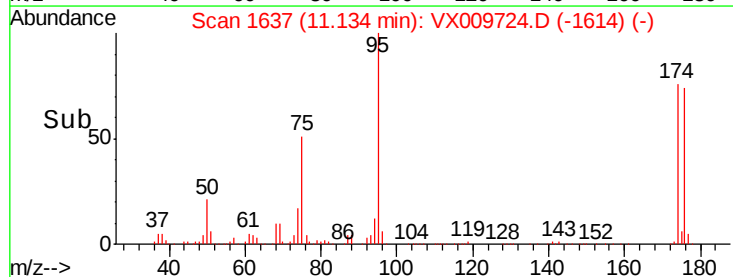
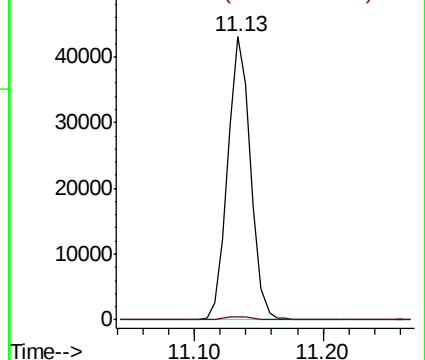
75 100

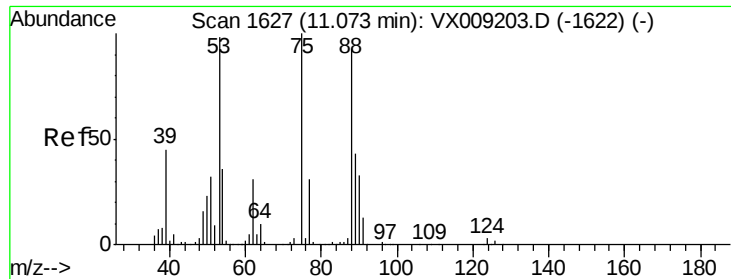
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.803 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009724.D

Acq: 20 May 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-DUP-20190516

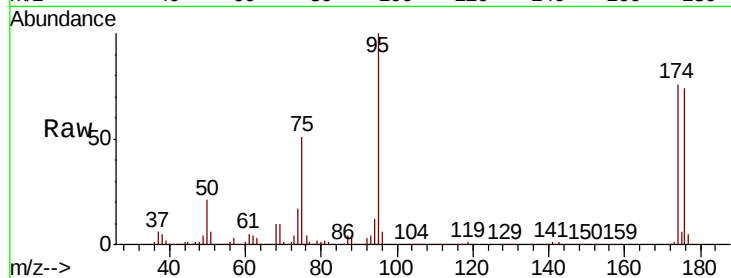
Tot Ion: 75 Resp: 54146

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

