

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009669.D
 Acq On : 17 May 2019 18:08
 Operator : JC/SP
 Sample : K2891-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190515

Quant Time: May 18 04:51:55 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	5.67	168	163484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	263125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	225256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	91925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	110151	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	5.50	113	80533	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	328295	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.13	95	104715	43.15	ug/l	0.00
Spiked Amount			Recovery	=	86.30%	

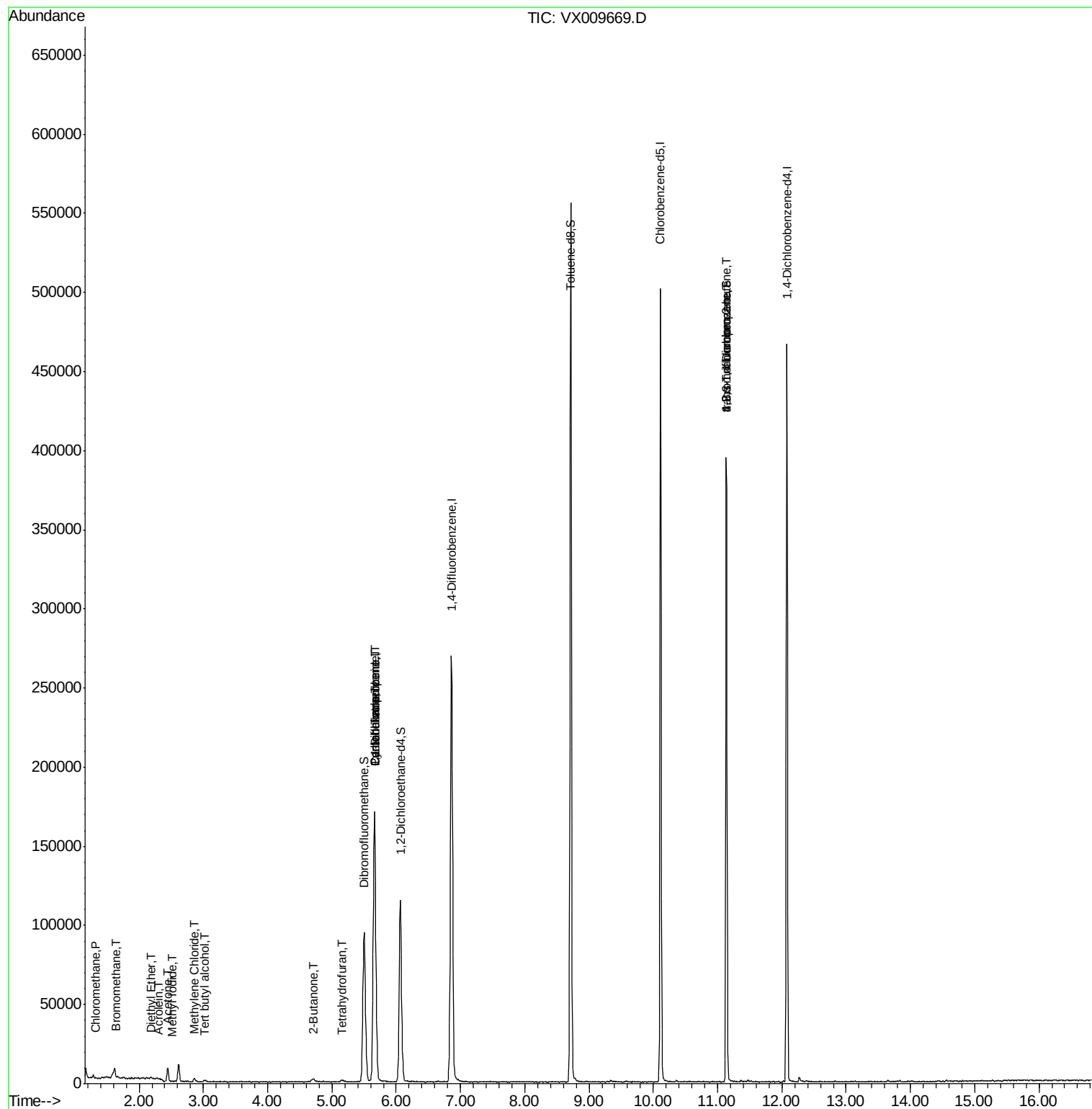
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	566	0.275	ug/l	99
5) Bromomethane	1.64	94	297	0.247	ug/l #	80
8) Diethyl Ether	2.20	74	233	0.202	ug/l	70
10) Methyl Iodide	2.52	142	297	4.745	ug/l #	88
11) Tert butyl alcohol	3.01	59	1012	1.959	ug/l #	80
13) Acrolein	2.31	56	148	0.316	ug/l #	8
16) Acetone	2.45	43	10156	8.475	ug/l	100
20) Methylene Chloride	2.86	84	977	0.504	ug/l #	89
25) 2-Butanone	4.70	43	1205	0.647	ug/l #	86
28) Bromochloromethane	5.01	49	114	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1446	1.207	ug/l #	48
31) Cyclohexane	5.66	56	3795	1.150	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13350	5.460	ug/l #	47
38) Carbon Tetrachloride	5.67	117	15607	7.025	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	53895	25.275	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	53895	64.670	ug/l #	10

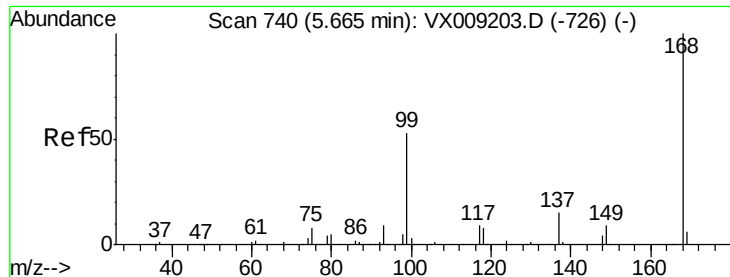
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009669.D

Acq: 17 May 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

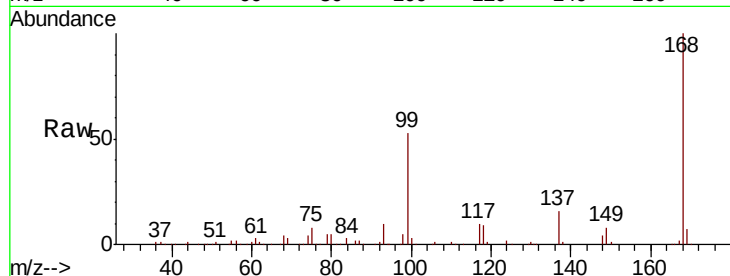
BP-VPB202-EB-20190515

Tot Ion:168 Resp: 163484

Ion Ratio Lower Upper

168 100

99 53.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

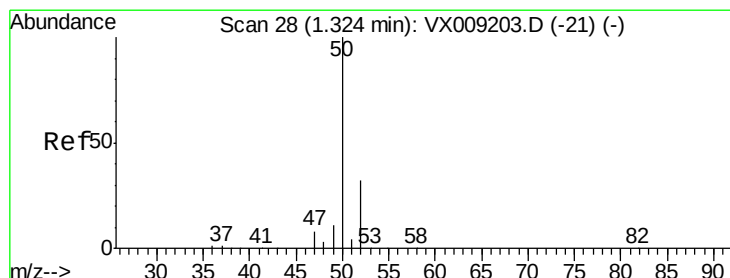
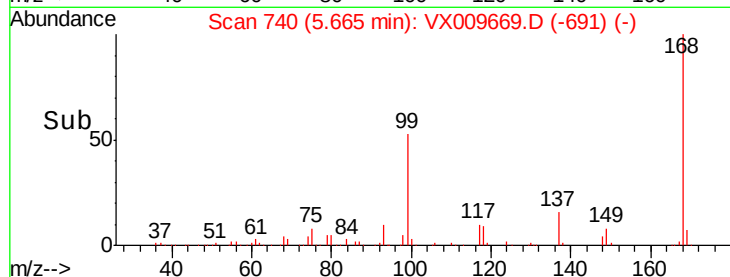
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.275 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009669.D

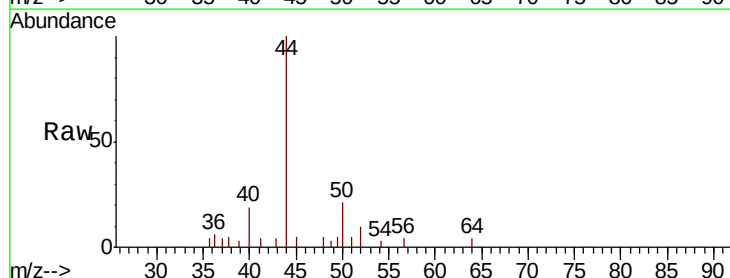
Acq: 17 May 2019 18:08

Tgt Ion: 50 Resp: 566

Ion Ratio Lower Upper

50 100

52 31.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

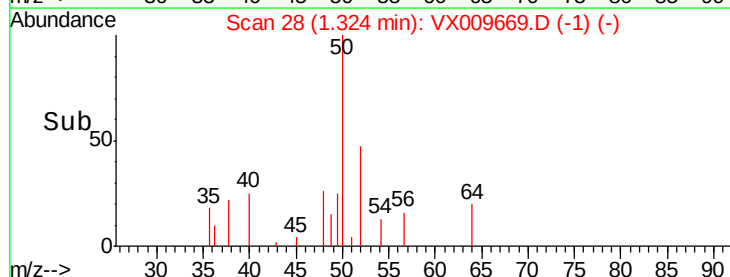
300

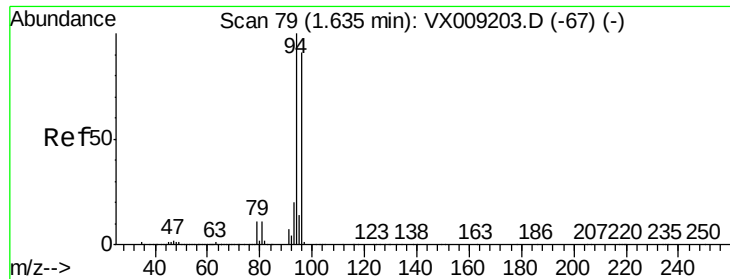
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.247 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009669.D

Acq: 17 May 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

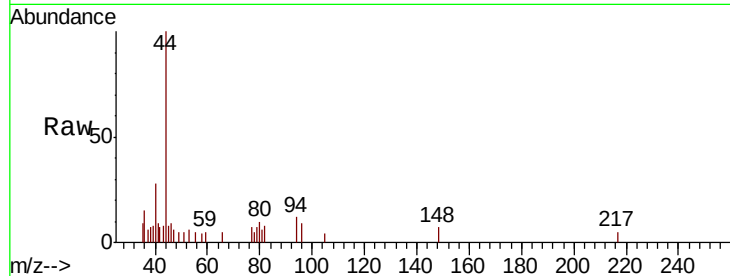
BP-VPB202-EB-20190515

Tot Ion: 94 Resp: 297

Ion Ratio Lower Upper

94 100

96 72.5 73.0 109.6#



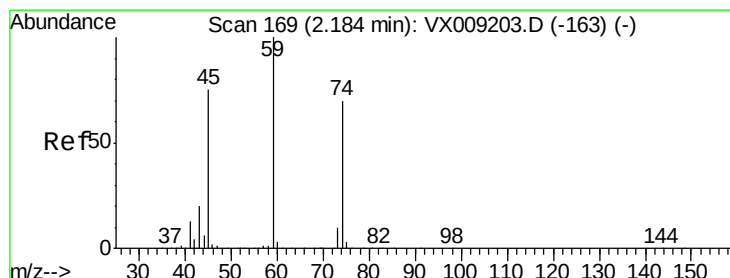
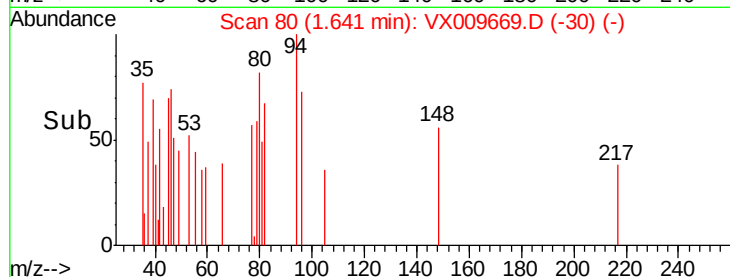
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1.62 1.64 1.66 1.68

Time-->



#8

Diethyl Ether

Concen: 0.202 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX009669.D

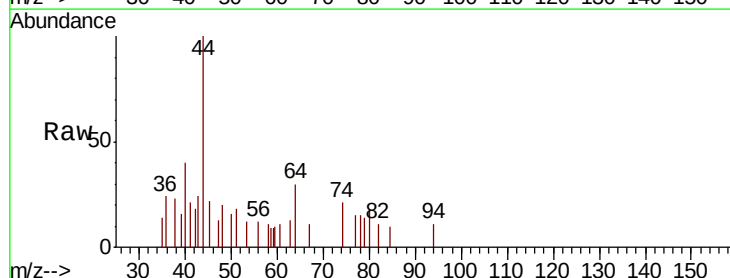
Acq: 17 May 2019 18:08

Tgt Ion: 74 Resp: 233

Ion Ratio Lower Upper

74 100

45 75.5 53.3 159.9



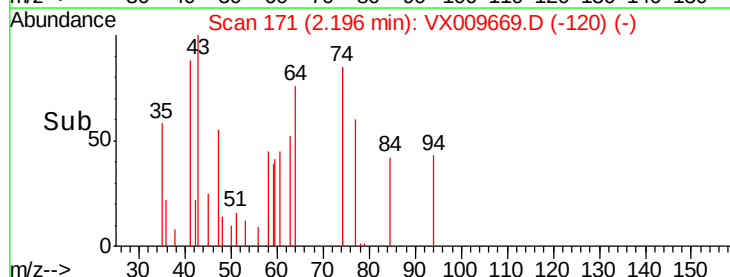
Abundance Ion 74.00 (73.70 to 74.70): VX0

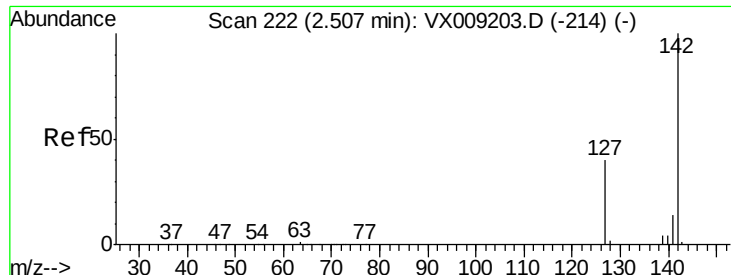
Ion 45.00 (44.70 to 45.70): VX0

2.20

2.15 2.20

Time-->

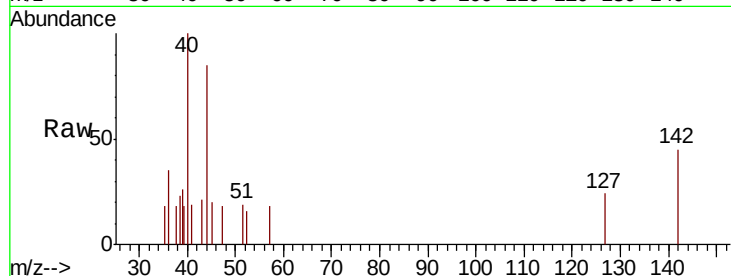




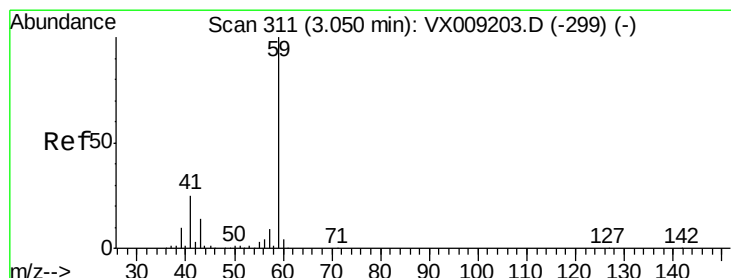
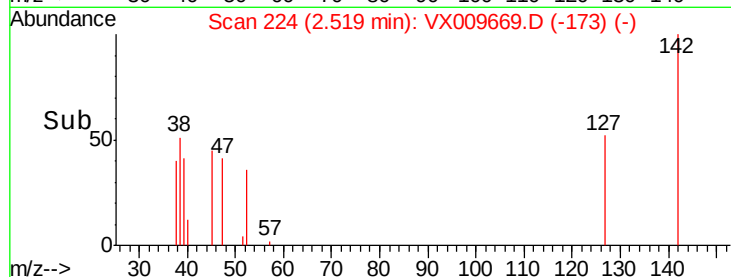
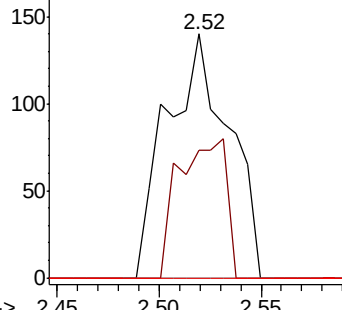
#10
Methvl Iodide
Concen: 4.745 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190515

Tot Ion:142 Resp: 297
Ion Ratio Lower Upper
142 100
127 43.1 32.7 49.1
141 0.0 11.5 17.3#

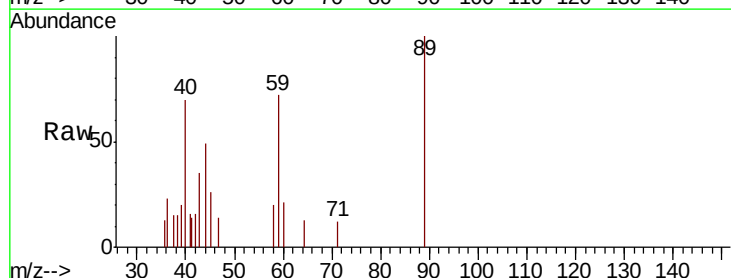


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

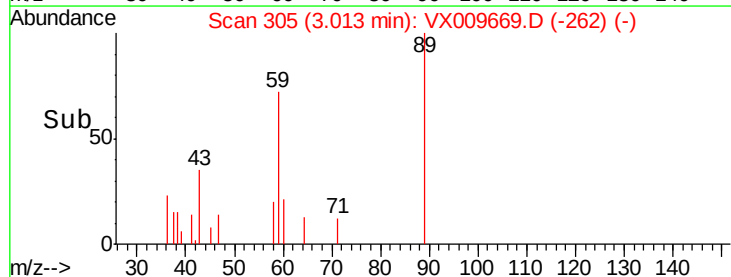
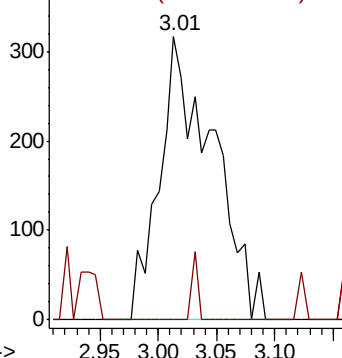


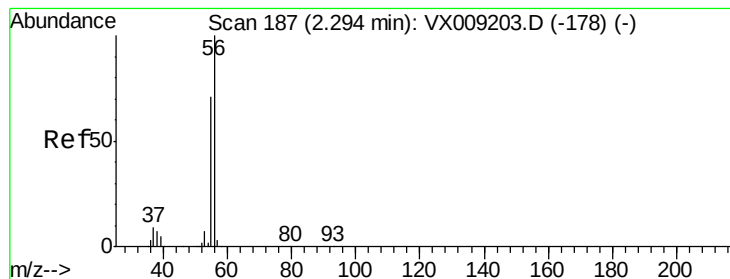
#11
Tert butyl alcohol
Concen: 1.959 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

Tgt Ion: 59 Resp: 1012
Ion Ratio Lower Upper
59 100
57 2.8 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: 0.316 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009669.D

Acq: 17 May 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

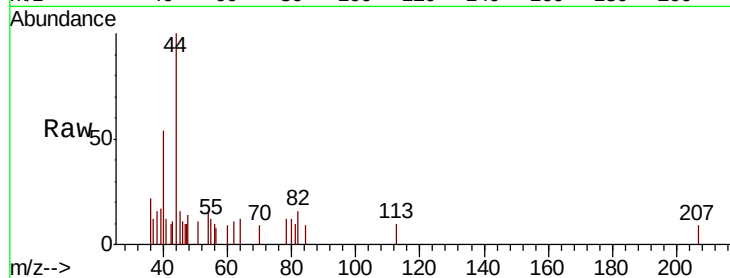
BP-VPB202-EB-20190515

Tot Ion: 56 Resp: 148

Ion Ratio Lower Upper

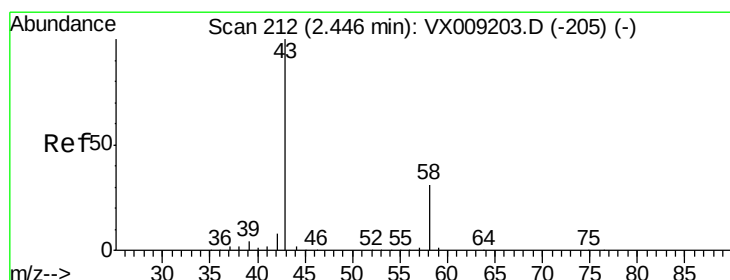
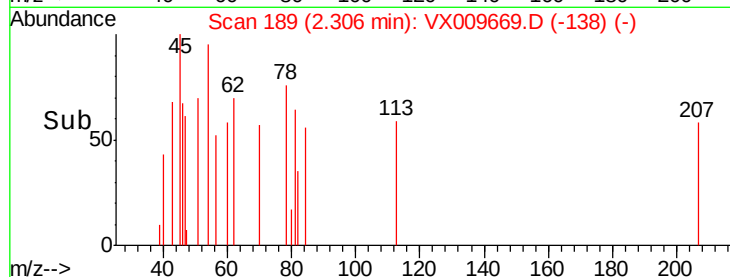
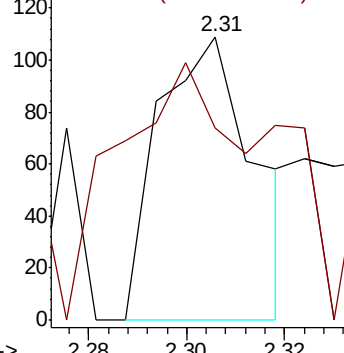
56 100

55 146.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 8.475 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009669.D

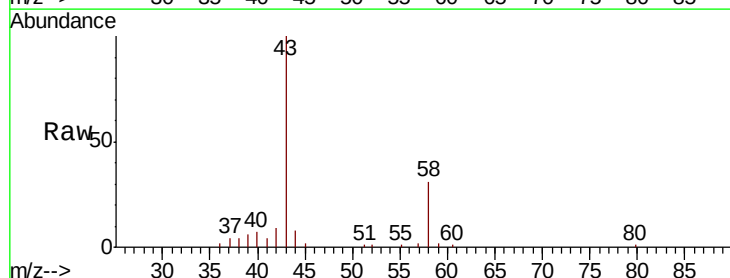
Acq: 17 May 2019 18:08

Tgt Ion: 43 Resp: 10156

Ion Ratio Lower Upper

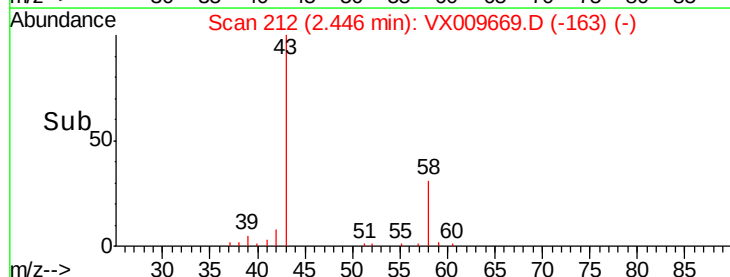
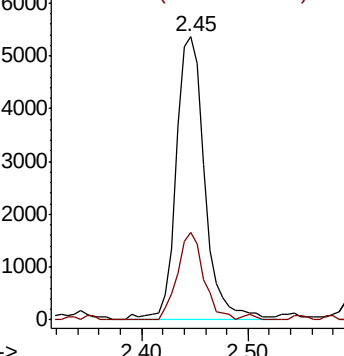
43 100

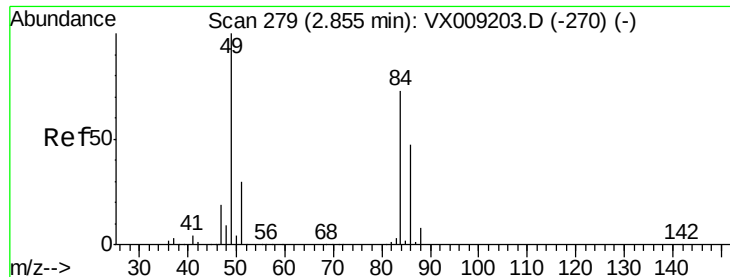
58 30.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

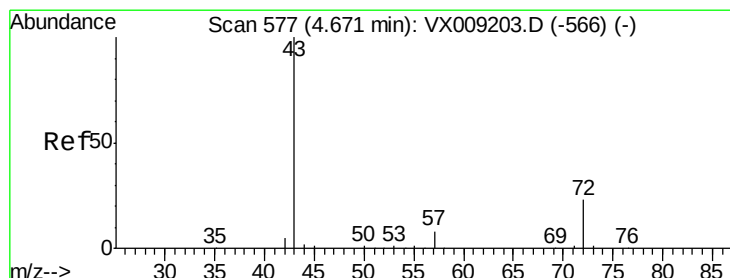
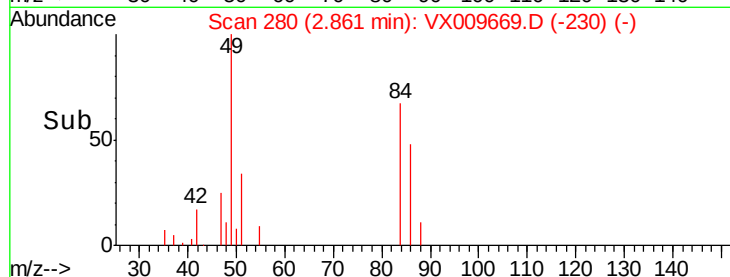
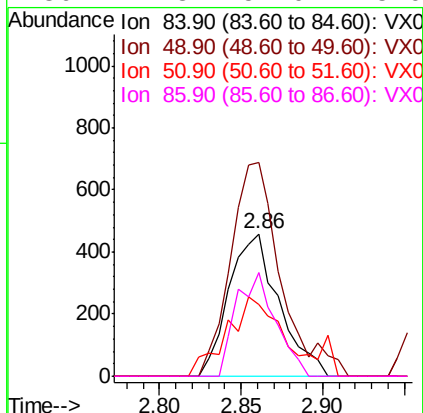
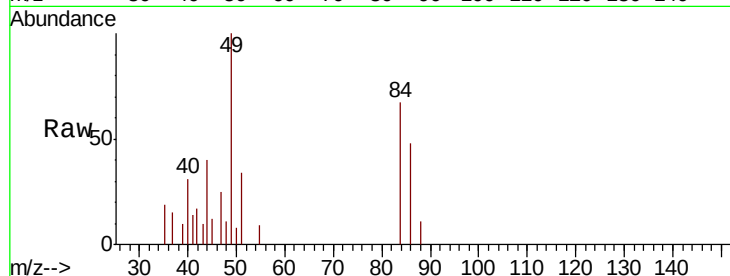




#20
Methylene Chloride
Concen: 0.504 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

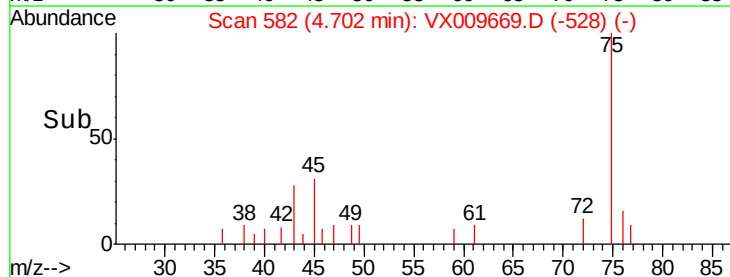
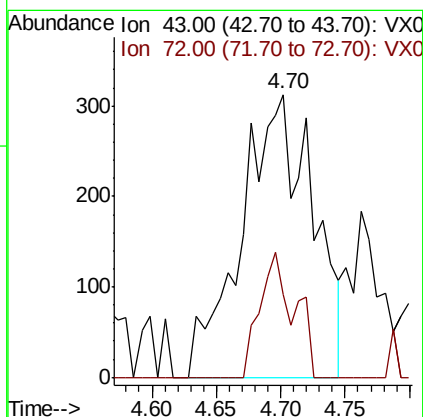
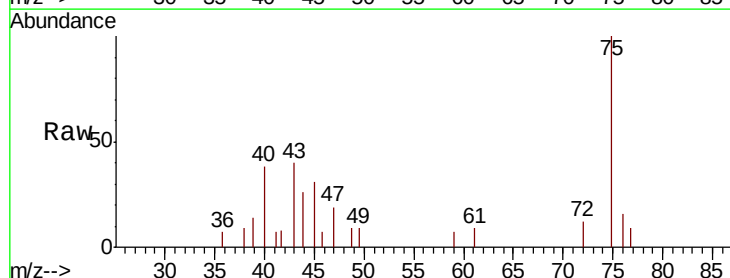
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190515

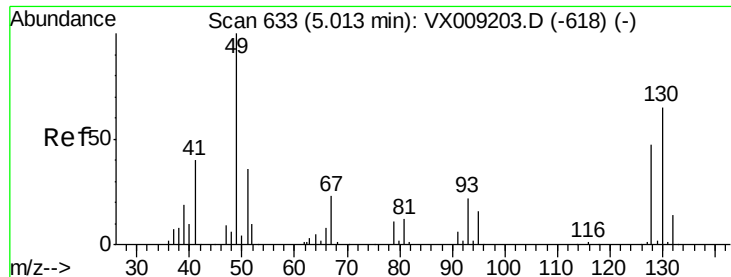
Tot Ion: 84 Resp: 977
Ion Ratio Lower Upper
84 100
49 149.9 109.9 164.9
51 50.5 32.7 49.1#
86 72.3 52.0 78.0



#25
2-Butanone
Concen: 0.647 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.03 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

Tgt Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
72 29.4 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009669.D

Acq: 17 May 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-EB-20190515

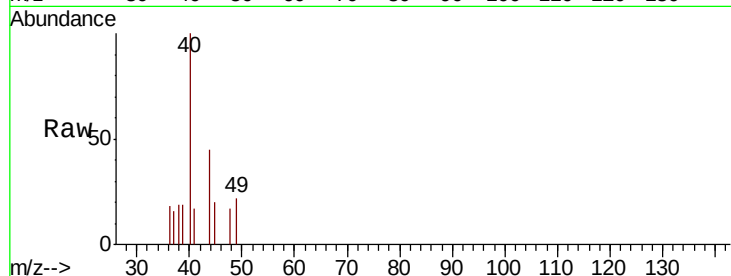
Tot Ion: 49 Resp: 114

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

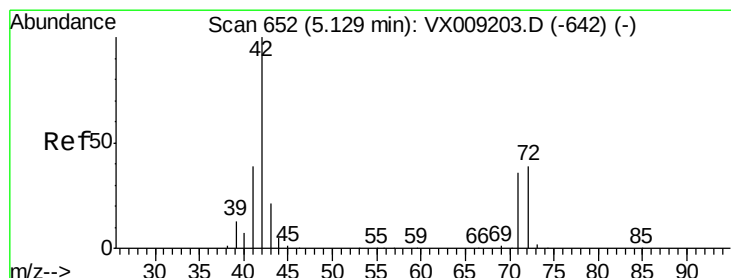
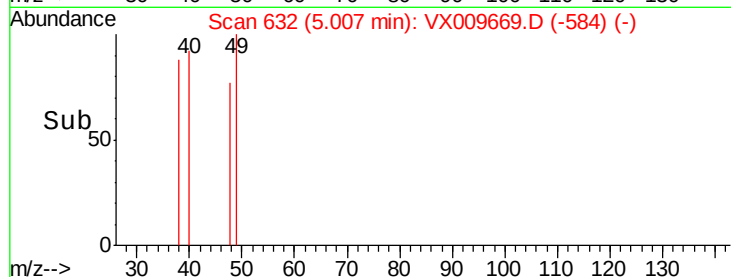
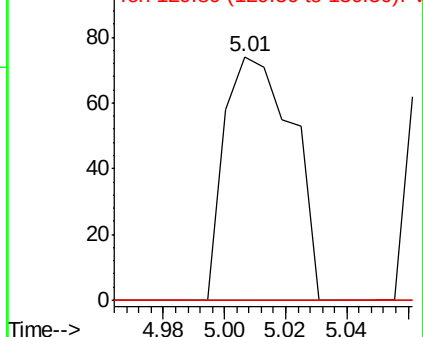
130 0.0 51.2 76.8#



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: 1.207 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009669.D

Acq: 17 May 2019 18:08

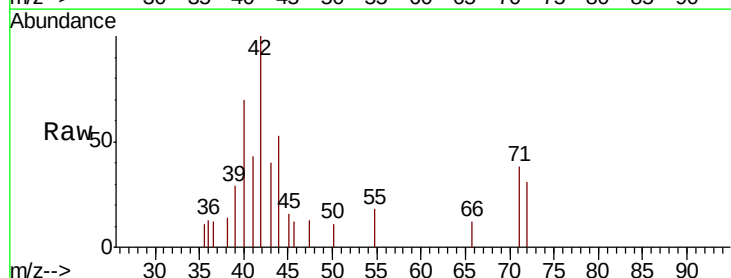
Tgt Ion: 42 Resp: 1446

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

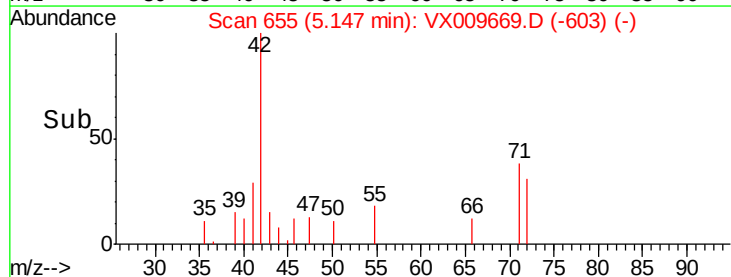
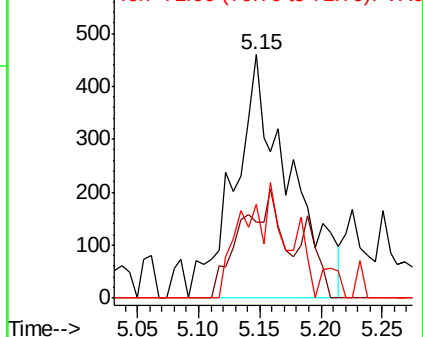
71 12.4 28.6 43.0#

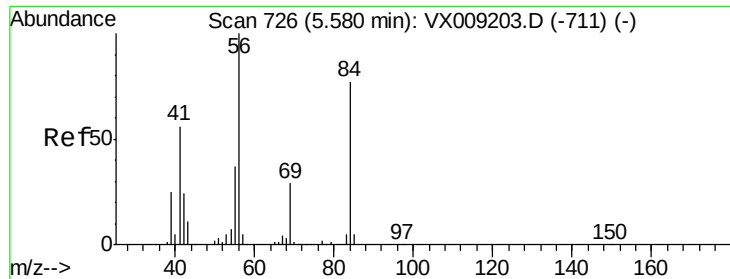


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

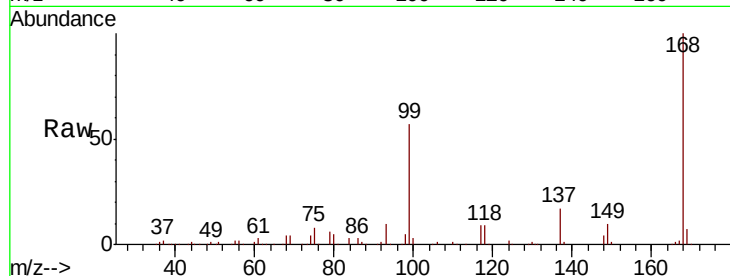




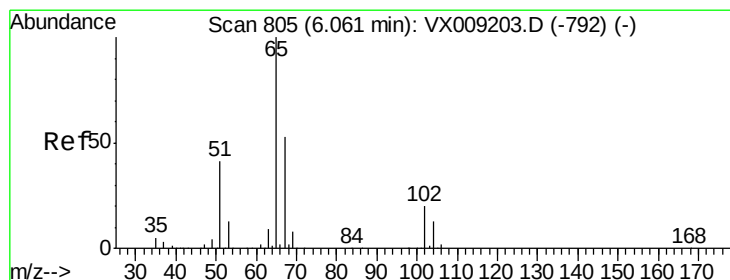
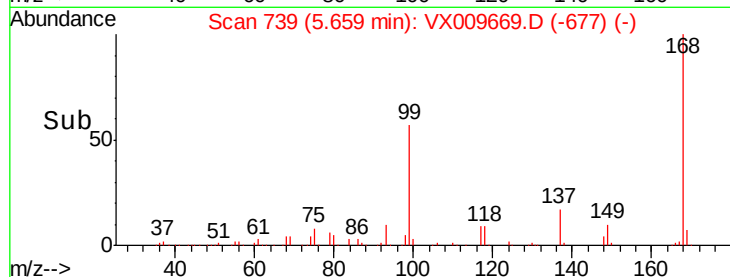
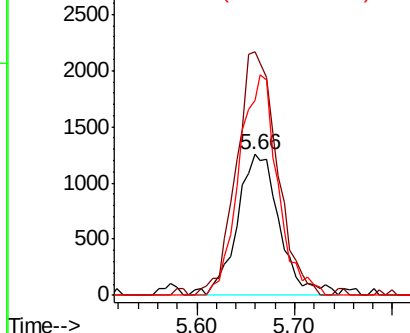
#31
Cyclohexane
Concen: 1.150 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190515

Tot Ion: 56 Resp: 3795
Ion Ratio Lower Upper
56 100
69 172.9 23.4 35.0#
84 138.6 61.9 92.9#

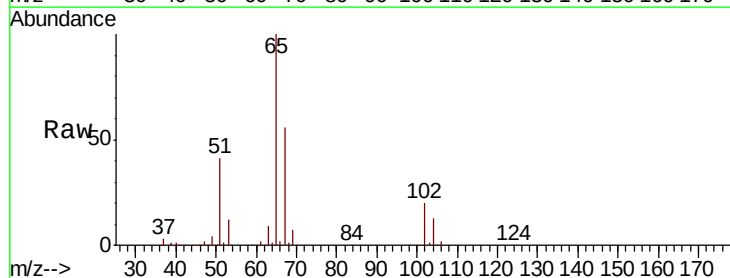


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

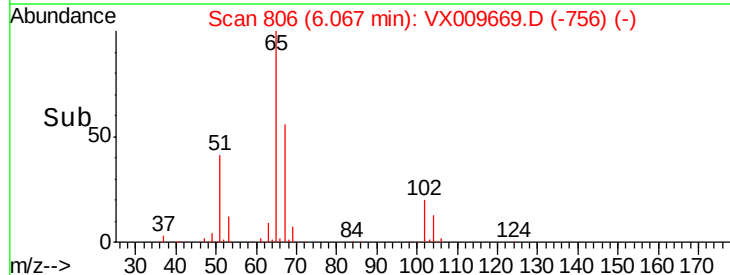
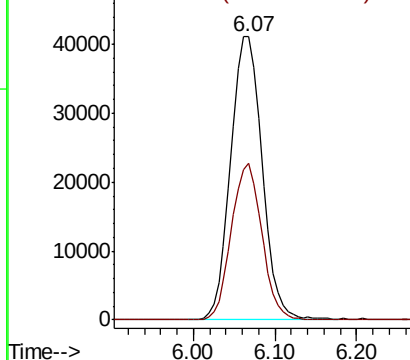


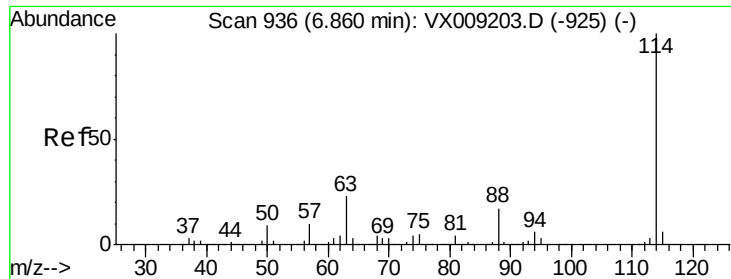
#33
1,2-Dichloroethane-d4
Concen: 49.356 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

Tgt Ion: 65 Resp: 110151
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

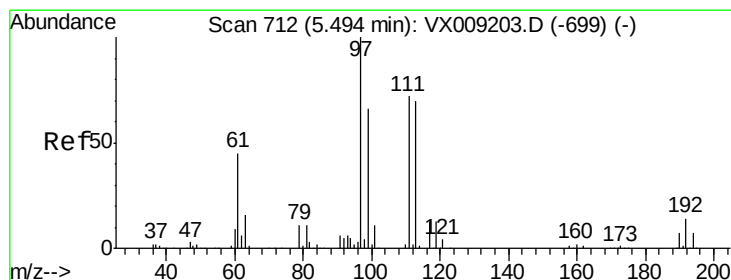
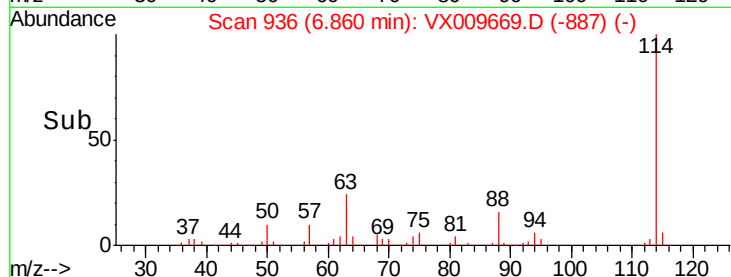
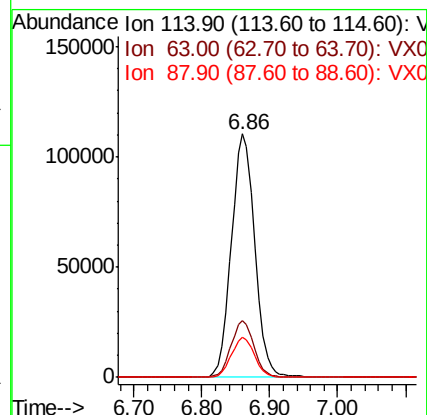
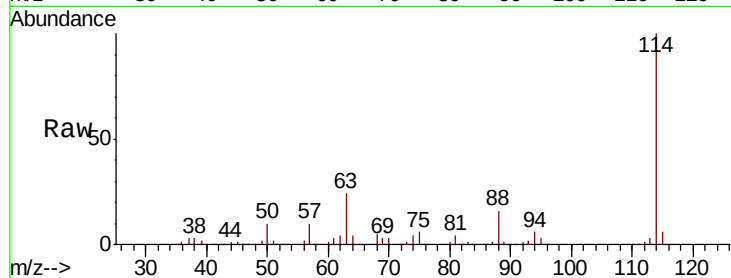




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009669.D
 Acq: 17 May 2019 18:08

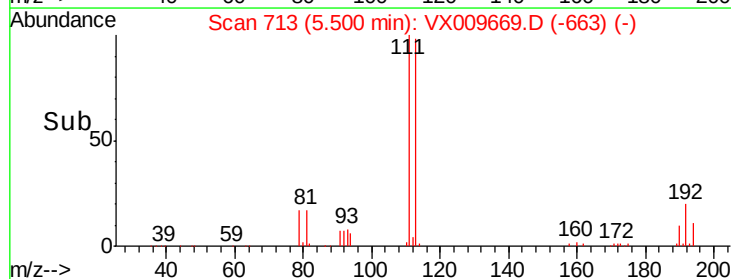
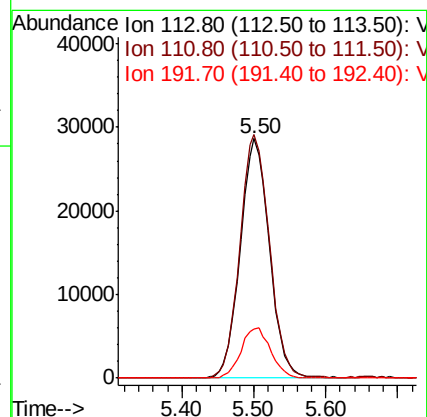
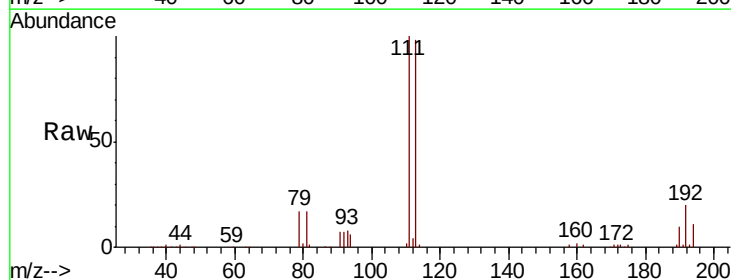
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190515

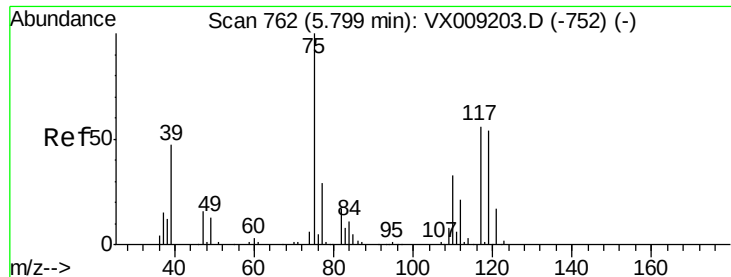
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	45.6
88	16.4	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.687 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009669.D
 Acq: 17 May 2019 18:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	21.4	17.0	25.6

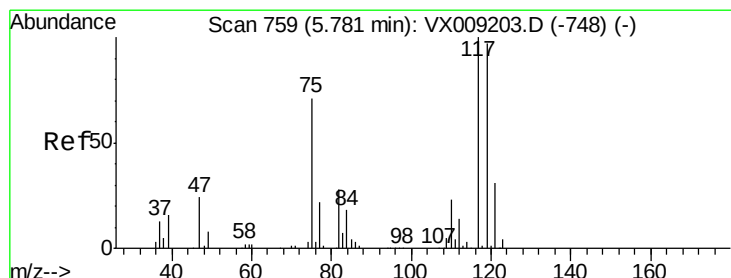
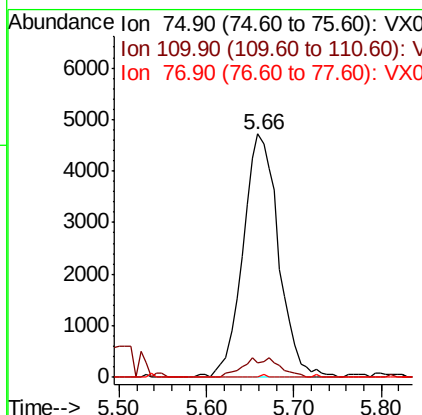
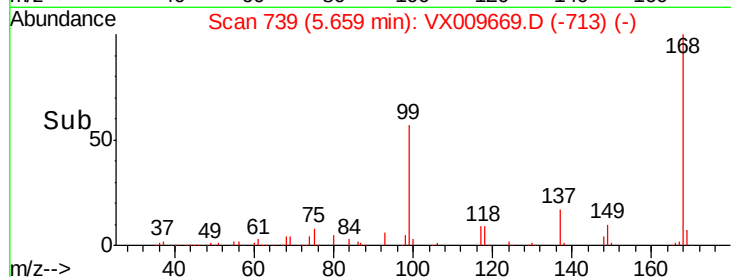
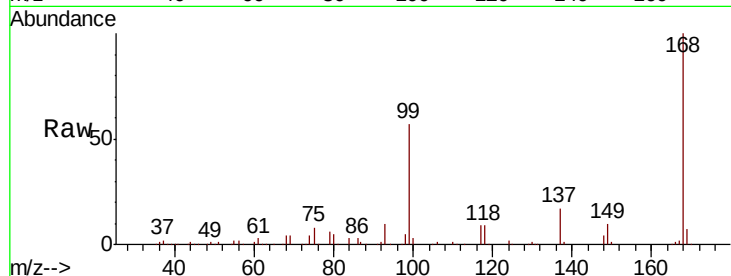




#36
 1,1-Dichloropropene
 Concen: 5.460 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009669.D
 Acq: 17 May 2019 18:08

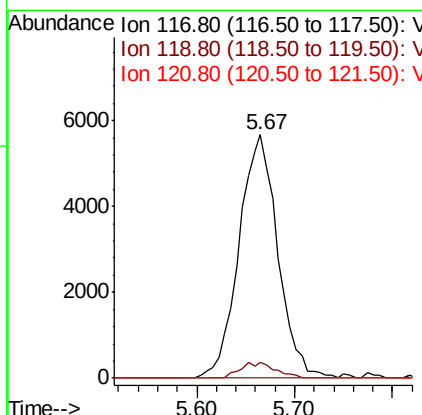
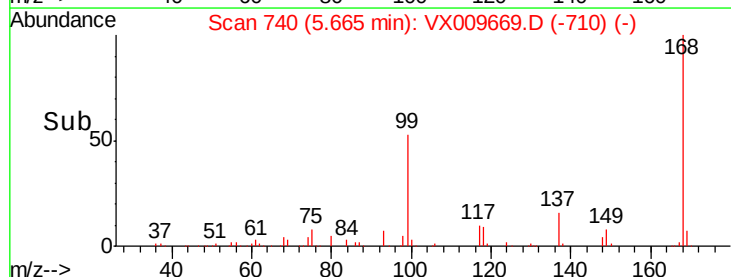
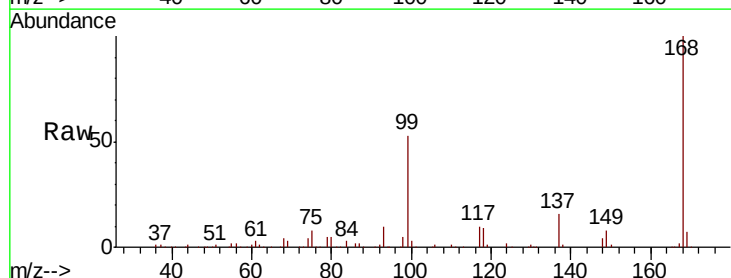
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190515

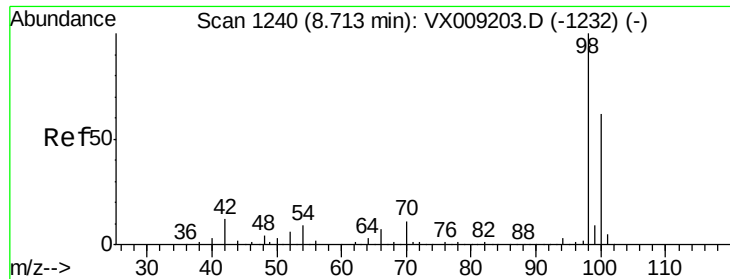
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.8	16.9	50.6#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.025 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009669.D
 Acq: 17 May 2019 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.5	116.3#
121	0.0	24.7	37.1#

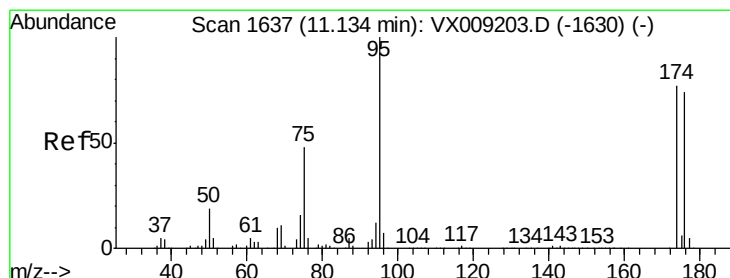
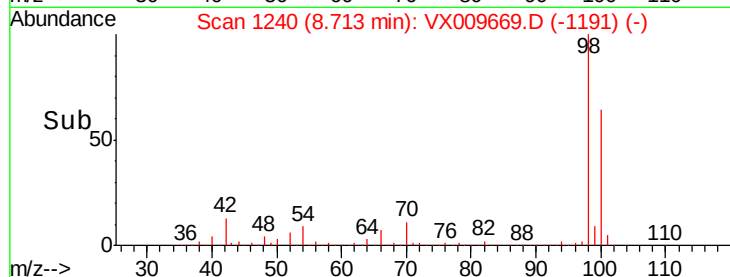
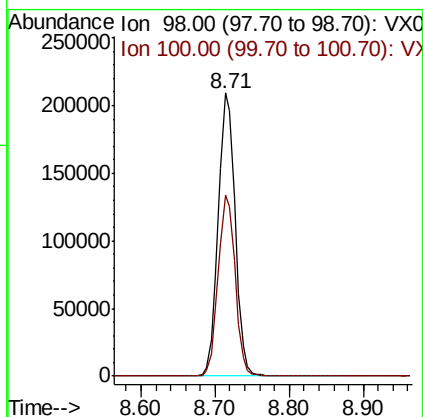
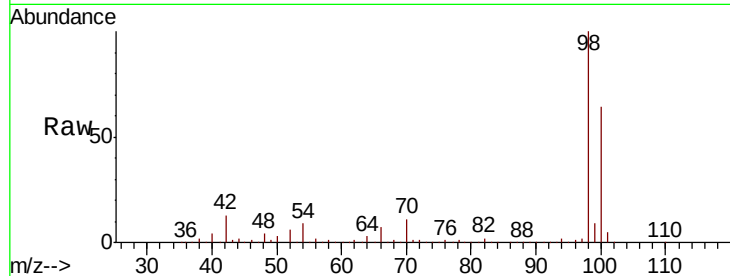




#50
Toluene-d8
Concen: 49.160 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

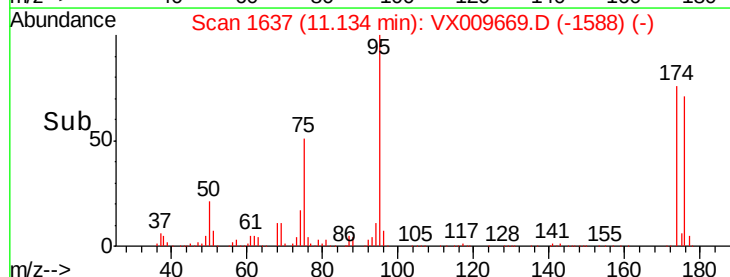
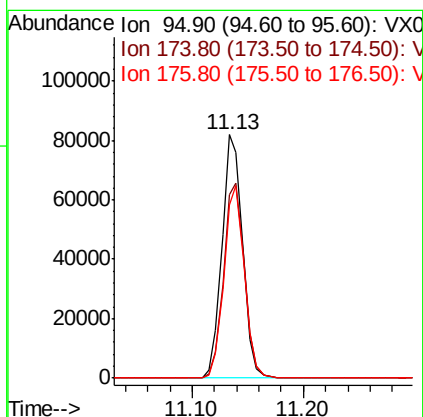
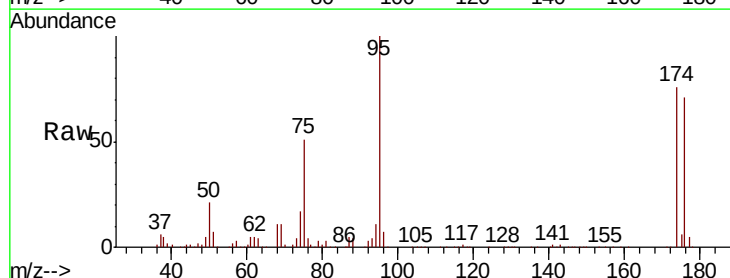
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190515

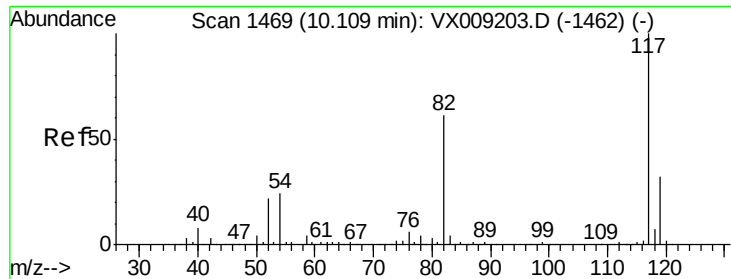
Tot Ion: 98 Resp: 328295
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 43.154 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

Tgt Ion: 95 Resp: 104715
Ion Ratio Lower Upper
95 100
174 81.3 0.0 161.6
176 78.2 0.0 159.2

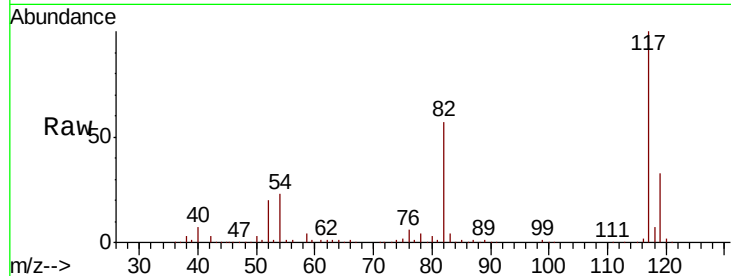




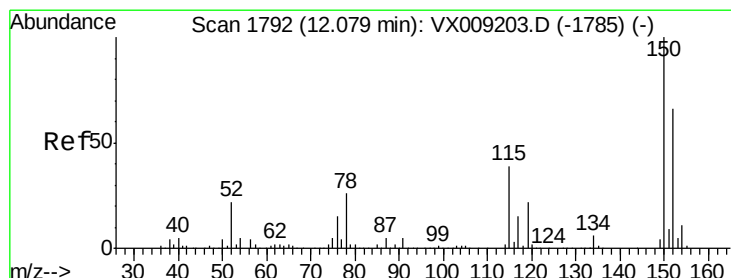
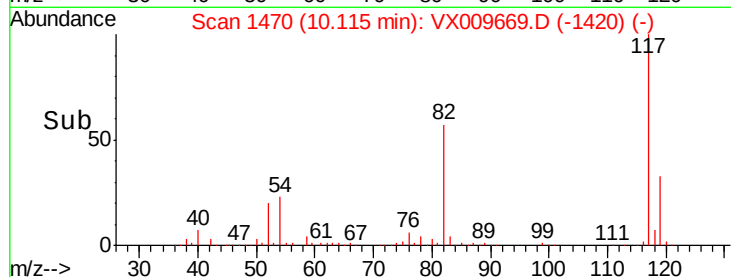
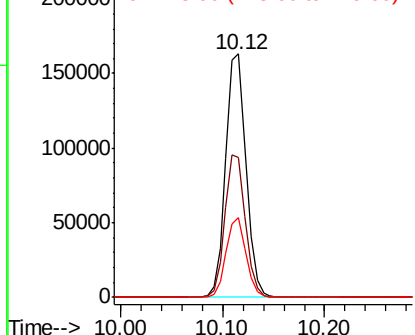
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190515

Tot Ion:117 Resp: 225256
Ion Ratio Lower Upper
117 100
82 57.3 48.8 73.2
119 32.9 25.8 38.6

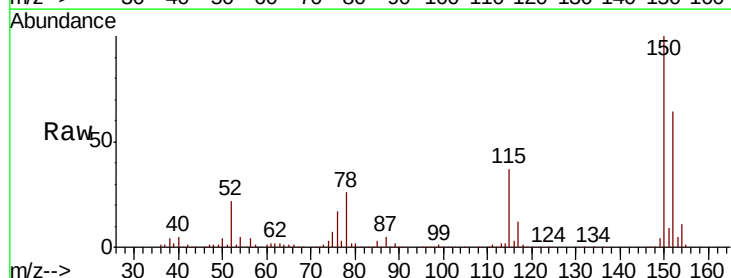


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

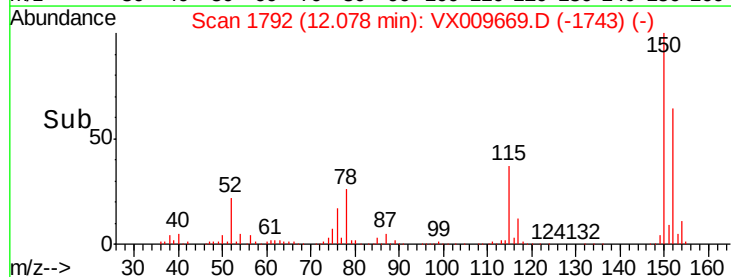
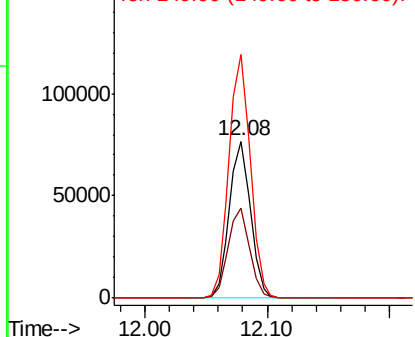


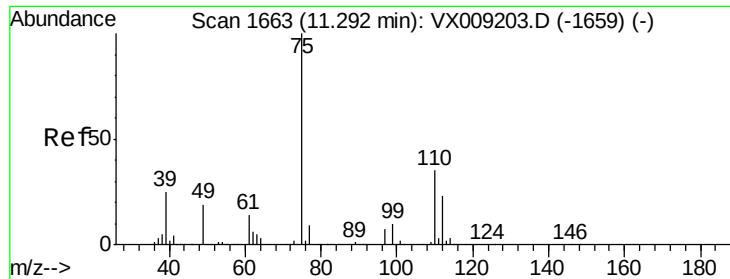
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009669.D
Acq: 17 May 2019 18:08

Tgt Ion:152 Resp: 91925
Ion Ratio Lower Upper
152 100
115 58.3 41.2 123.6
150 156.6 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





#76

1,2,3-Trichloropropane

Concen: 25.275 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009669.D

Acq: 17 May 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

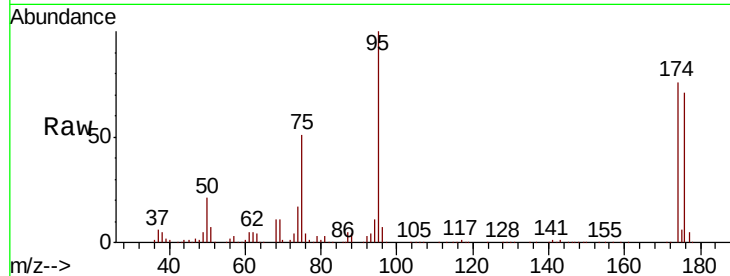
BP-VPB202-EB-20190515

Tot Ion: 75 Resp: 53895

Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

40000

30000

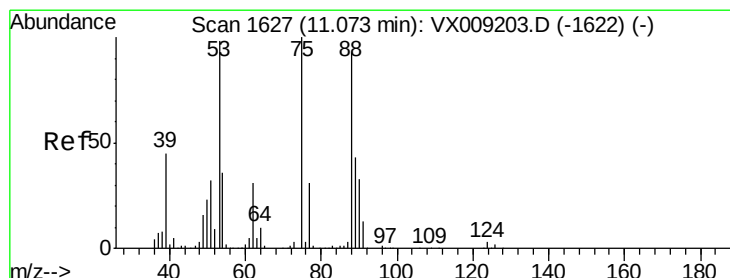
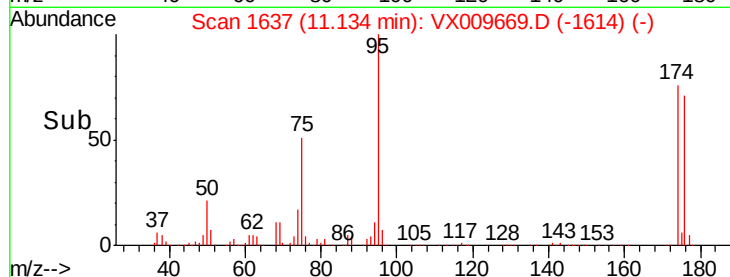
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 64.670 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009669.D

Acq: 17 May 2019 18:08

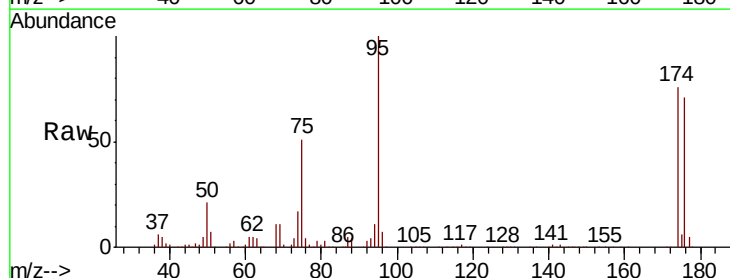
Tgt Ion: 75 Resp: 53895

Ion Ratio Lower Upper

75 100

53 0.1 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

11.13

40000

30000

20000

10000

0

Time-->

11.10 11.20

