

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031319\
 Data File : VX008045.D
 Acq On : 13 Mar 2019 13:31
 Operator : JC/SP
 Sample : K1840-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-660-662

Quant Time: Mar 13 13:51:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185837	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	135465	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	5.51	113	126199	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	485858	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.13	95	182001	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	

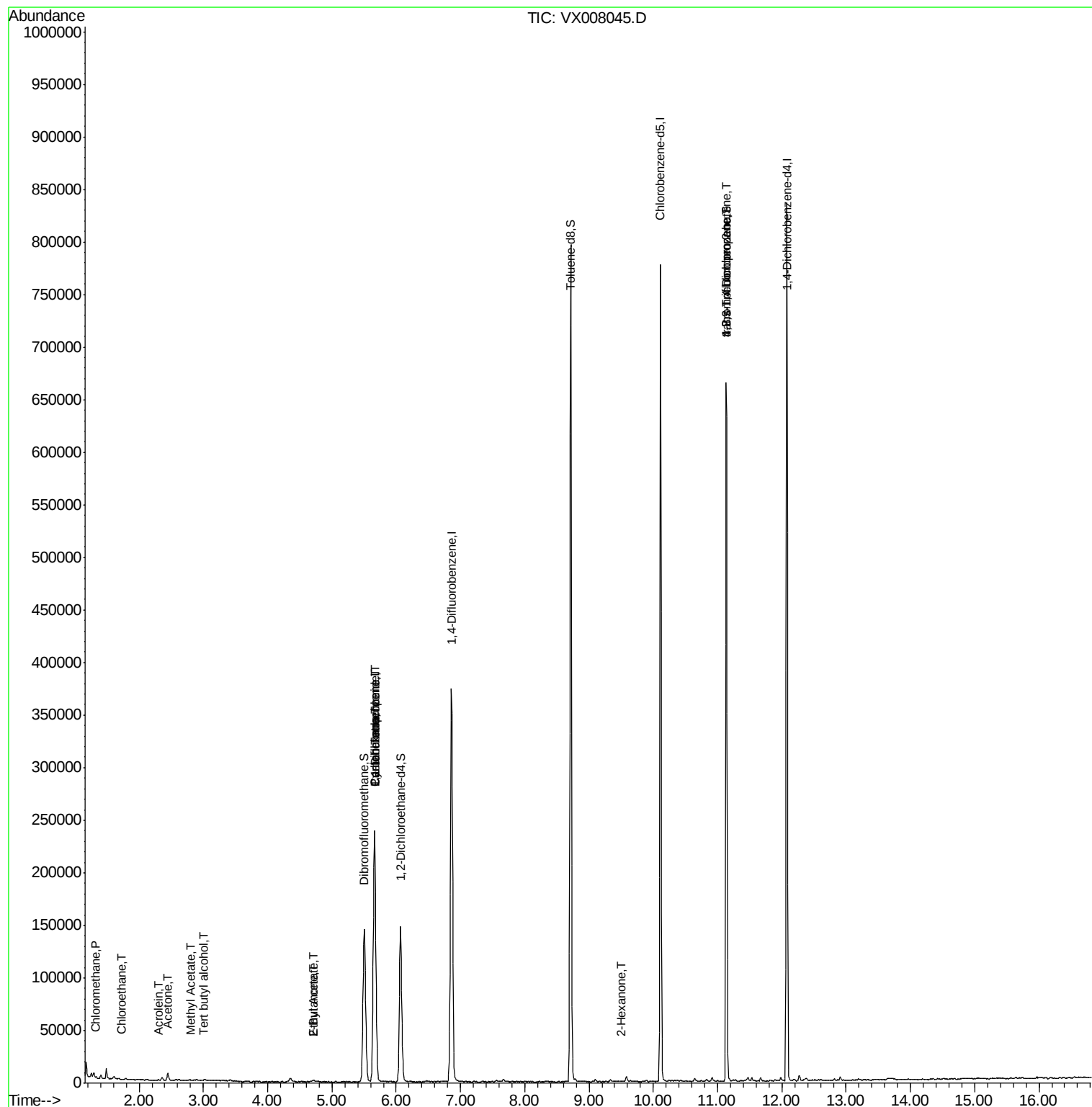
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	660	0.234	ug/l	97
5) Bromomethane	1.65	94	209	Below Cal	#	70
6) Chloroethane	1.73	64	373	0.201	ug/l #	86
11) Tert butyl alcohol	3.01	59	406	0.673	ug/l #	73
13) Acrolein	2.30	56	174	2.048	ug/l #	53
16) Acetone	2.45	43	7212	4.618	ug/l	97
17) Carbon Disulfide	2.57	76	1078	Below Cal	#	73
18) Methyl Acetate	2.79	43	741	0.223	ug/l #	74
25) 2-Butanone	4.70	43	3037	1.374	ug/l	96
31) Cyclohexane	5.66	56	3998	0.964	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15563	4.321	ug/l #	49
37) Ethyl Acetate	4.70	43	3037	0.711	ug/l #	68
38) Carbon Tetrachloride	5.66	117	21412	6.262	ug/l #	17
59) 2-Hexanone	9.50	43	811	0.257	ug/l	85
76) 1,2,3-Trichloropropane	11.13	75	81298	20.848	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	81298	66.639	ug/l #	11

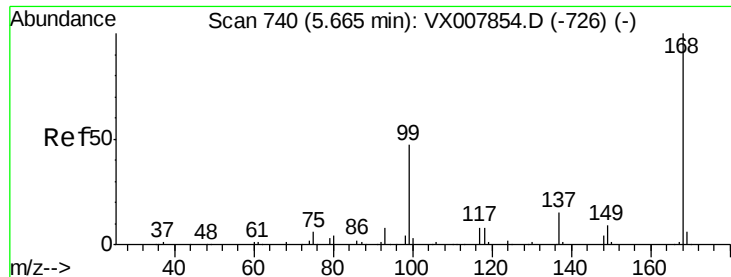
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008045.D

Acq: 13 Mar 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

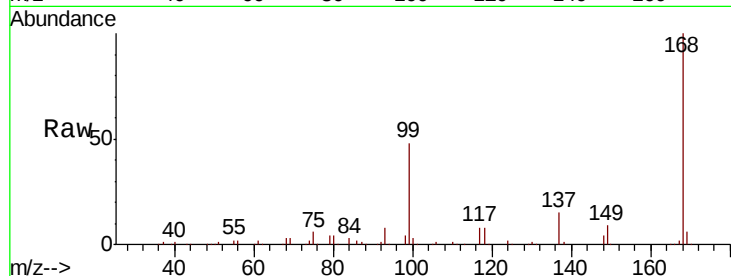
BP-VPB201-GW-660-662

Tgt Ion:168 Resp: 255770

Ion Ratio Lower Upper

168 100

99 47.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

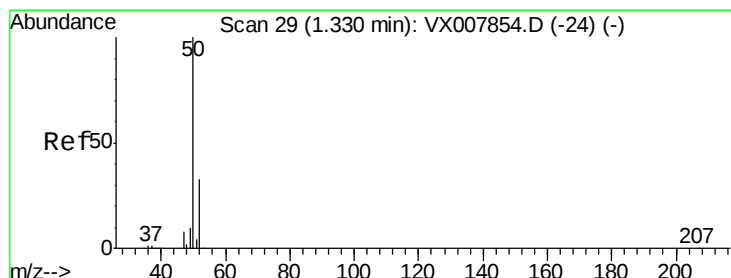
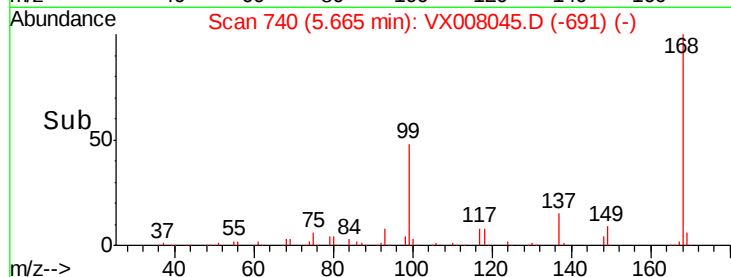
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008045.D

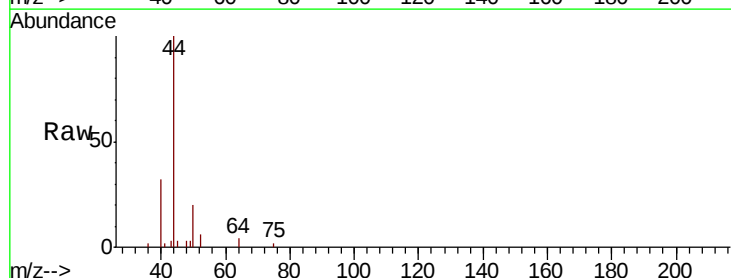
Acq: 13 Mar 2019 13:31

Tgt Ion: 50 Resp: 660

Ion Ratio Lower Upper

50 100

52 31.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

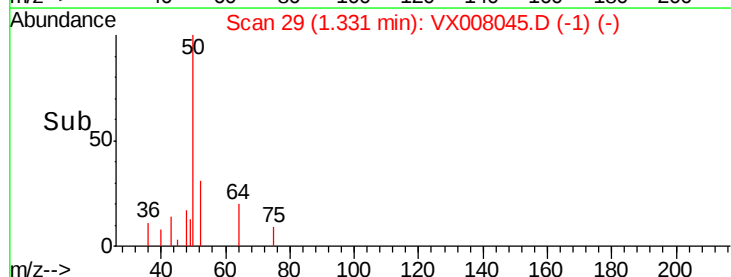
600

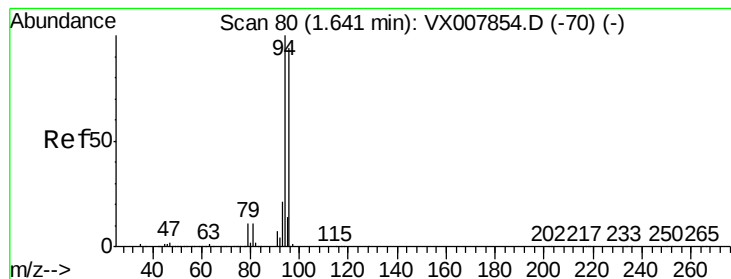
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008045.D

Acq: 13 Mar 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

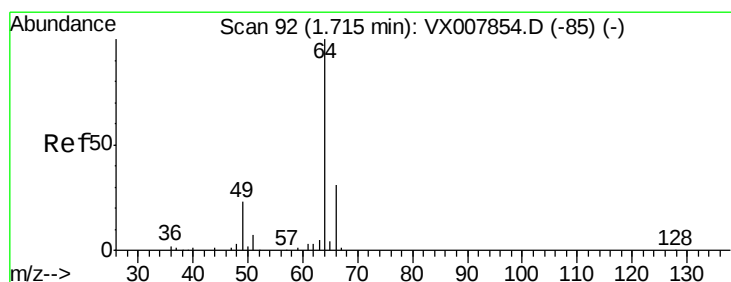
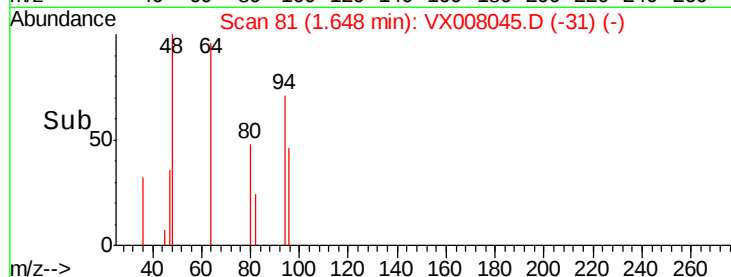
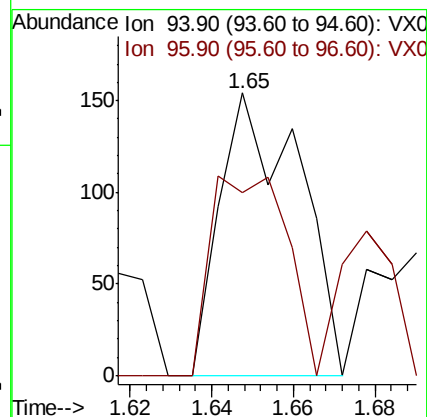
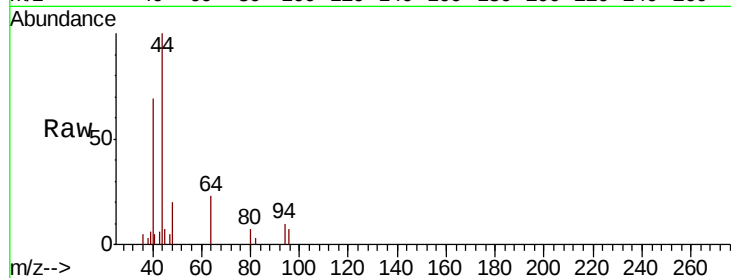
BP-VPB201-GW-660-662

Tgt Ion: 94 Resp: 209

Ion Ratio Lower Upper

94 100

96 64.9 75.5 113.3#



#6

Chloroethane

Concen: 0.201 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008045.D

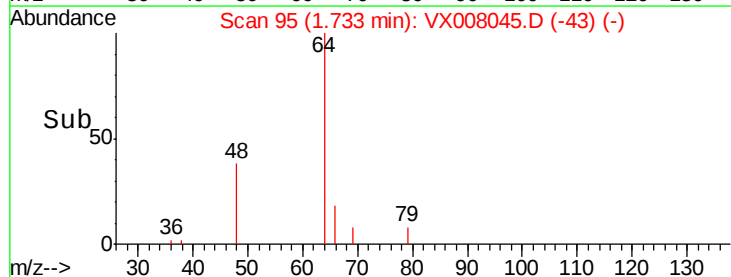
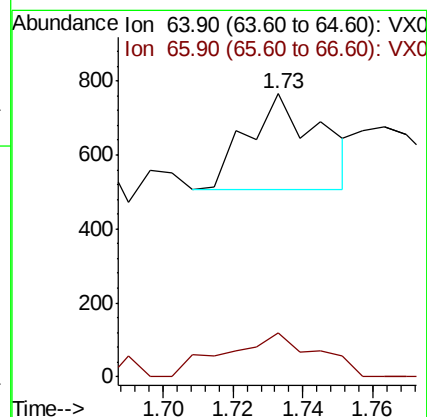
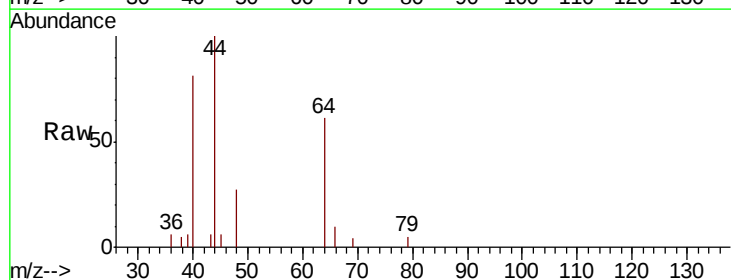
Acq: 13 Mar 2019 13:31

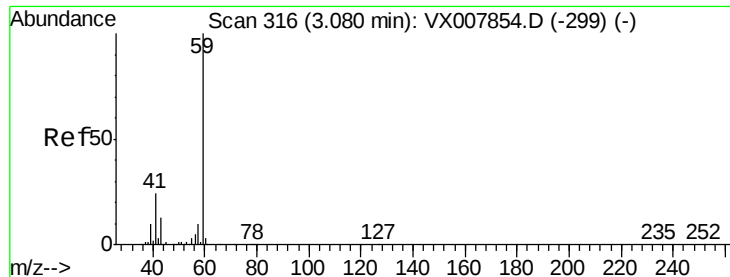
Tgt Ion: 64 Resp: 373

Ion Ratio Lower Upper

64 100

66 23.9 25.2 37.8#

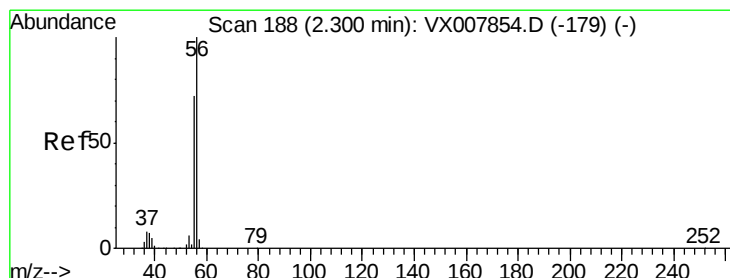
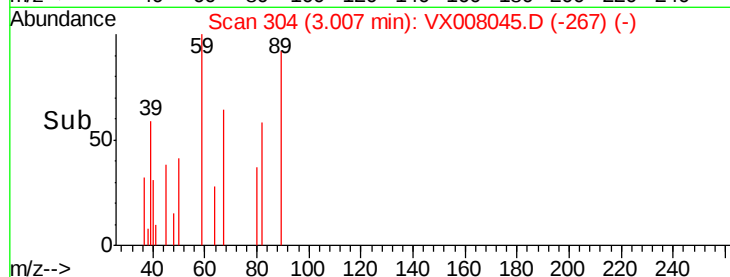
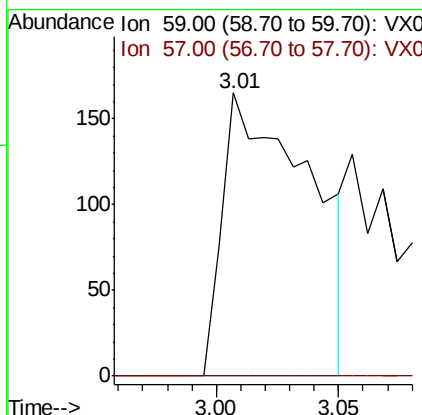
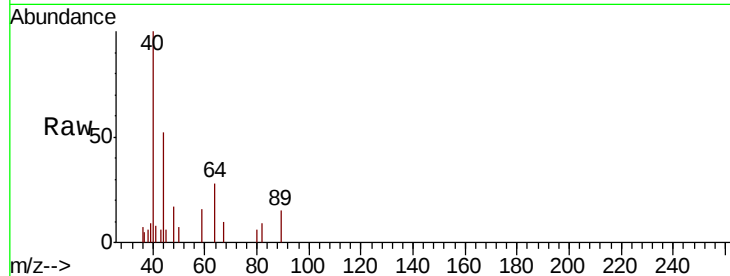




#11
Tert butyl alcohol
Concen: 0.673 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.07 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

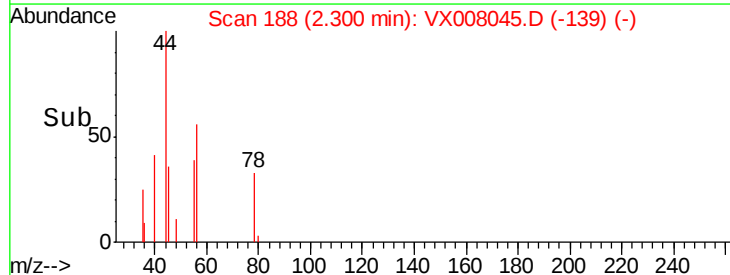
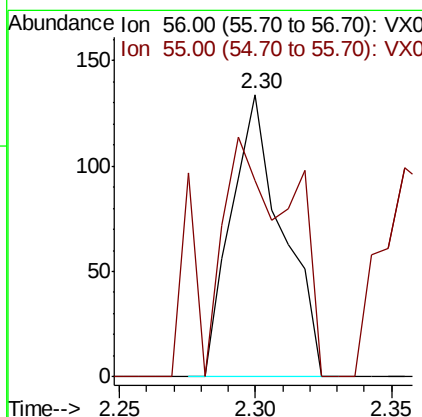
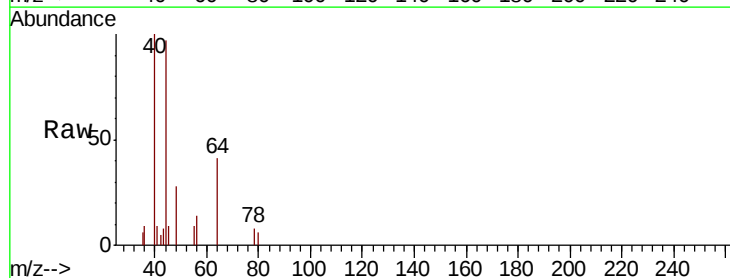
Instrument :
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BP-VPB201-GW-660-662

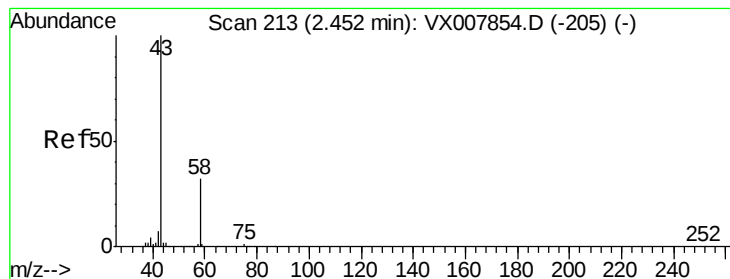
Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 2.048 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 111.5 57.8 86.6#





#16

Acetone

Concen: 4.618 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008045.D

Acq: 13 Mar 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

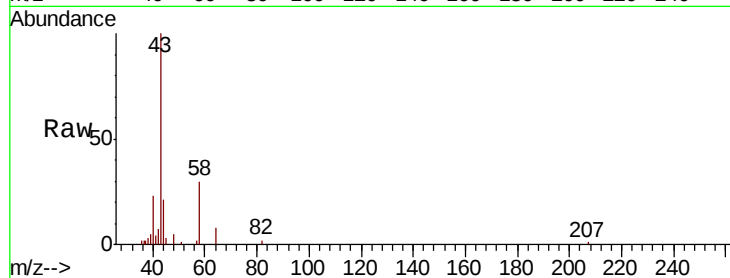
BP-VPB201-GW-660-662

Tgt Ion: 43 Resp: 7212

Ion Ratio Lower Upper

43 100

58 30.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

5000

4000

3000

2000

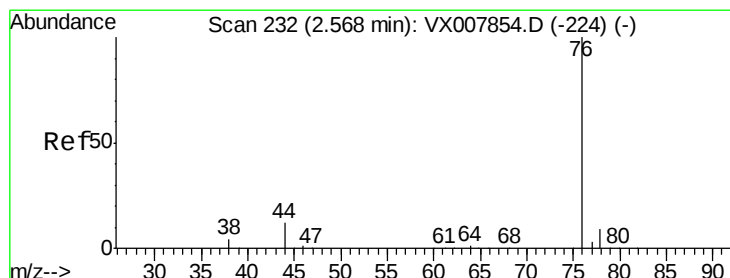
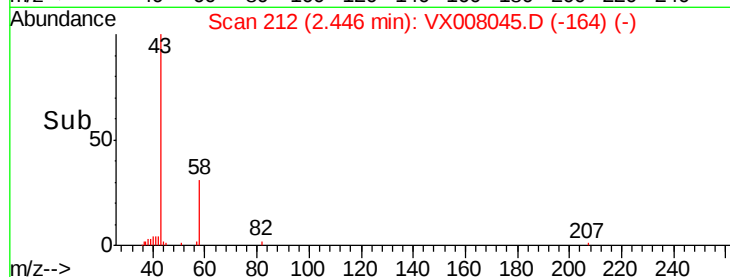
1000

0

Time-->

2.40 2.45 2.50

2.45



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008045.D

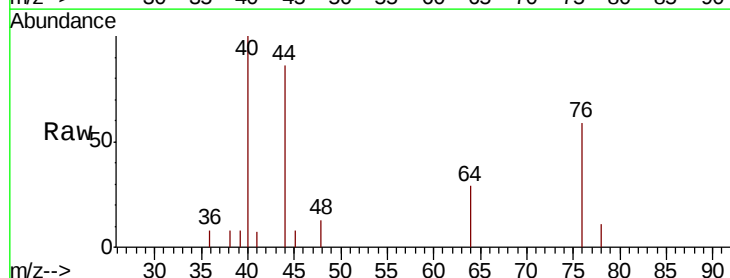
Acq: 13 Mar 2019 13:31

Tgt Ion: 76 Resp: 1078

Ion Ratio Lower Upper

76 100

78 18.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

600

400

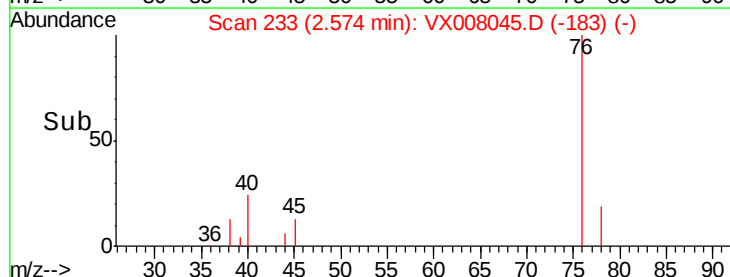
200

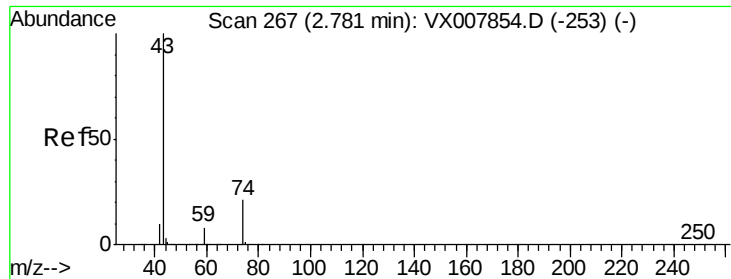
0

Time-->

2.55 2.60

2.57

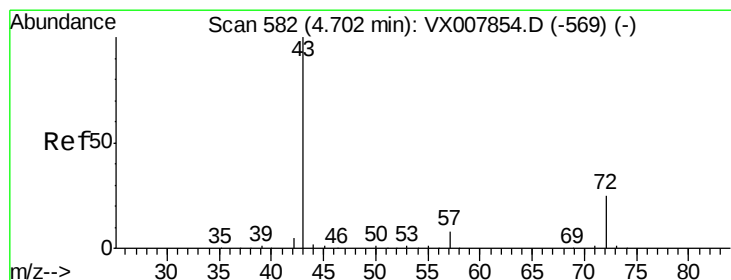
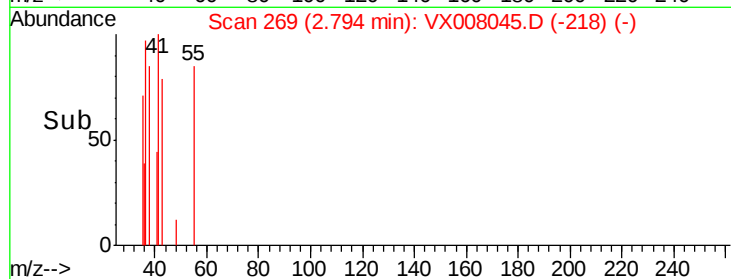
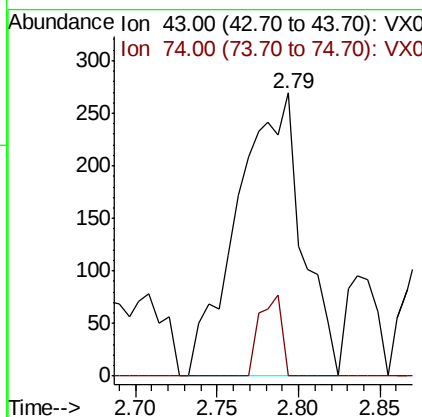
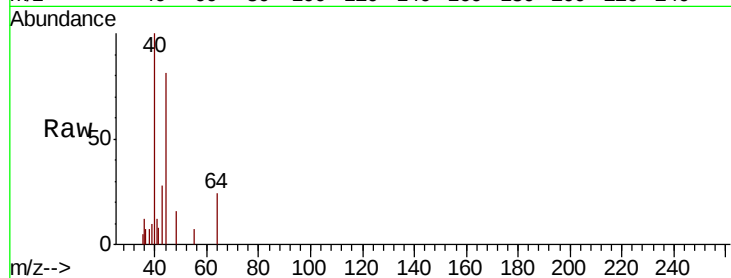




#18
Methyl Acetate
Concen: 0.223 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.01 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

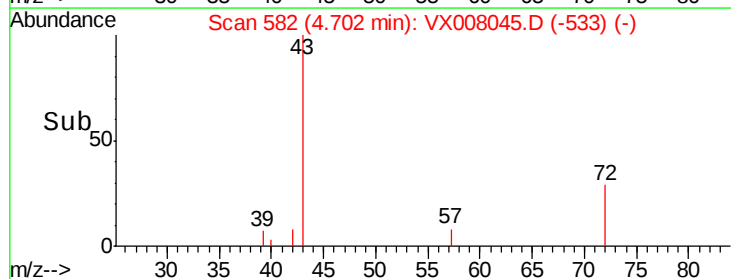
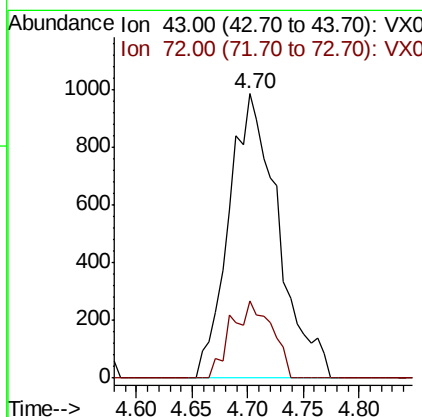
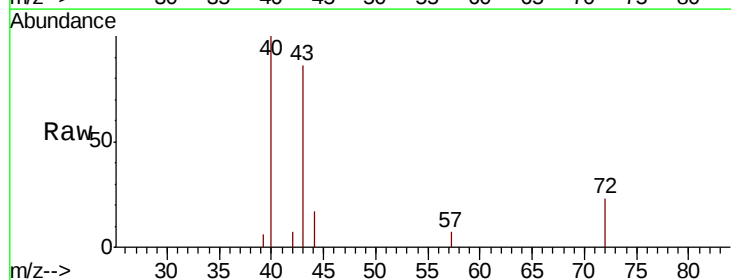
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ClientSampleId :
BP-VPB201-GW-660-662

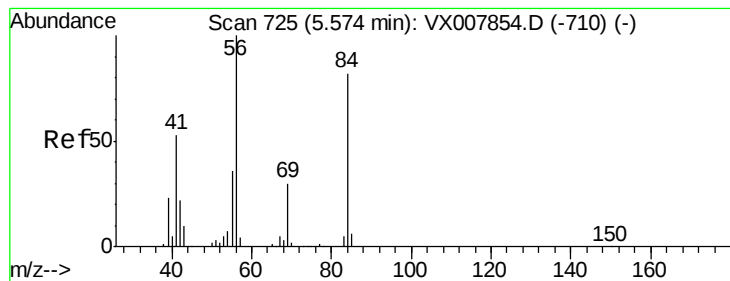
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
74 9.9 17.8 26.6#



#25
2-Butanone
Concen: 1.374 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

Tgt Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
72 27.0 19.9 29.9





#31

Cyclohexane

Concen: 0.964 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX008045.D

Acq: 13 Mar 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-660-662

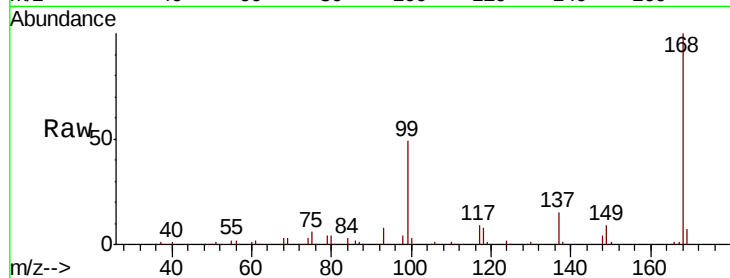
Tgt Ion: 56 Resp: 3998

Ion Ratio Lower Upper

56 100

69 186.8 24.0 36.0#

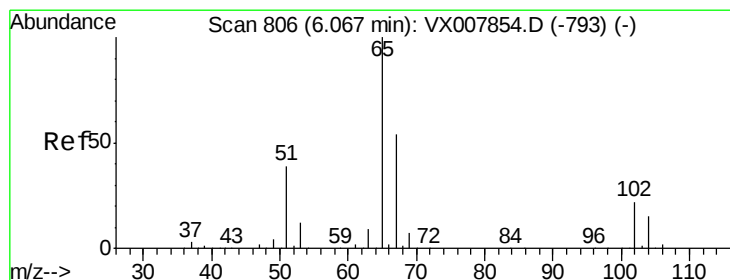
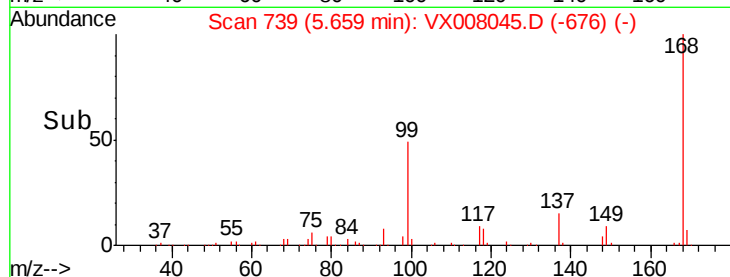
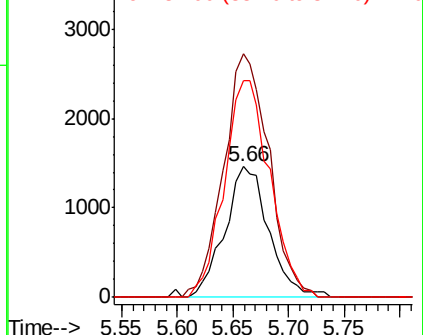
84 166.2 65.3 97.9#



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: 50.207 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008045.D

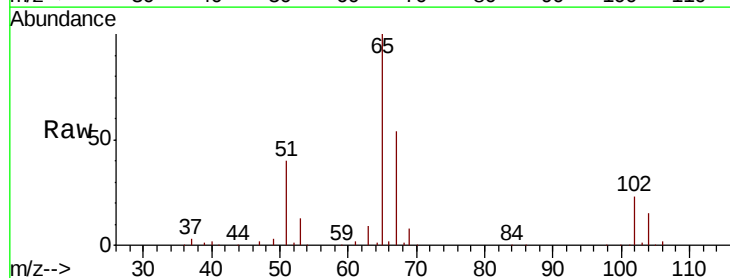
Acq: 13 Mar 2019 13:31

Tgt Ion: 65 Resp: 135465

Ion Ratio Lower Upper

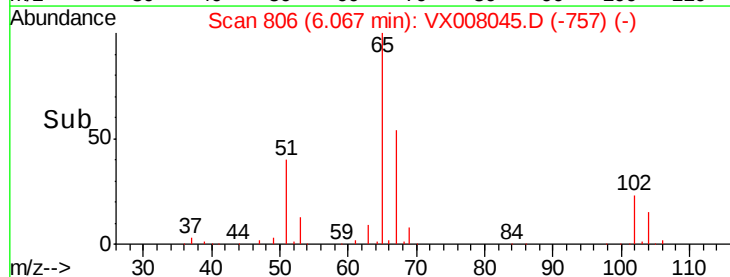
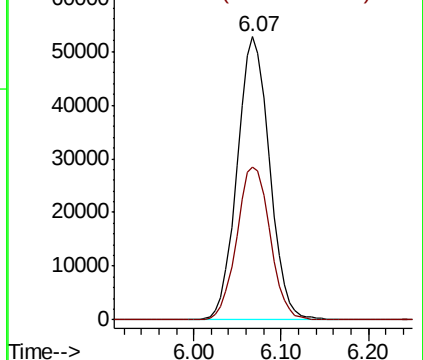
65 100

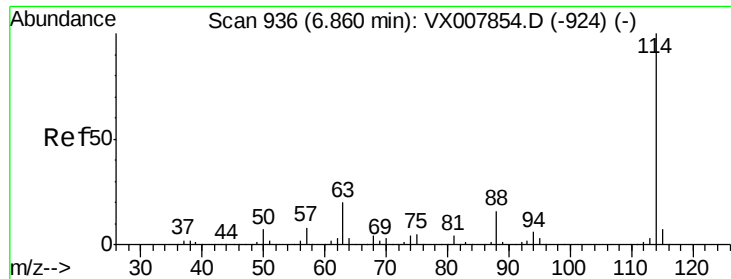
67 55.7 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

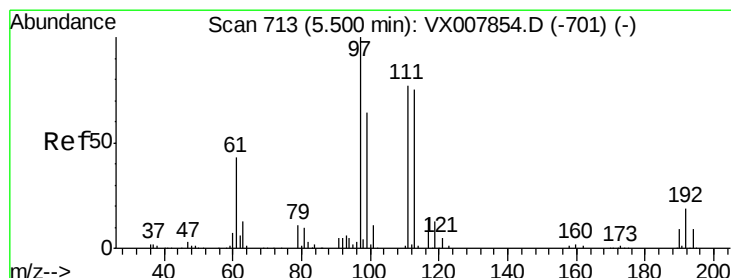
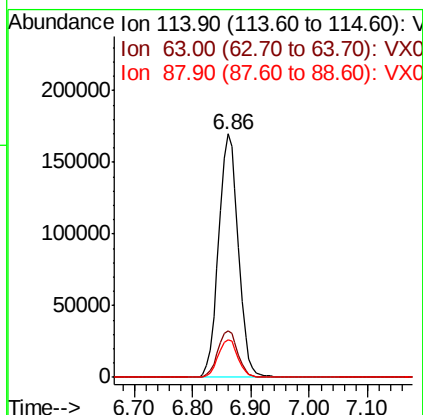
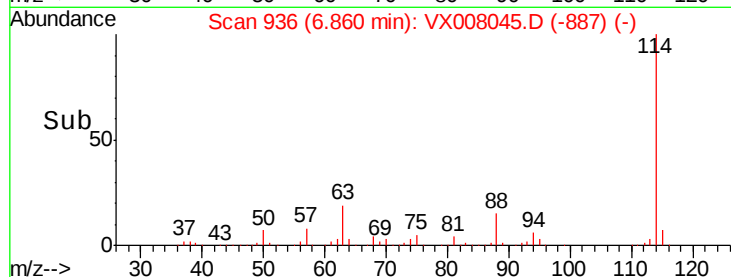
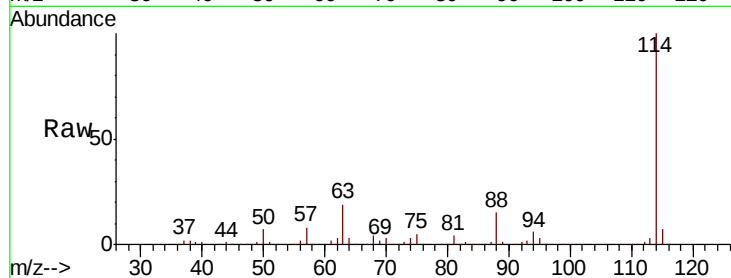




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

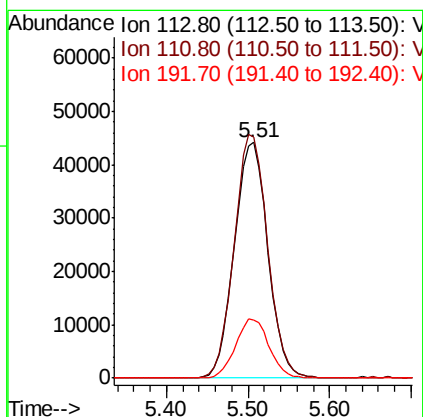
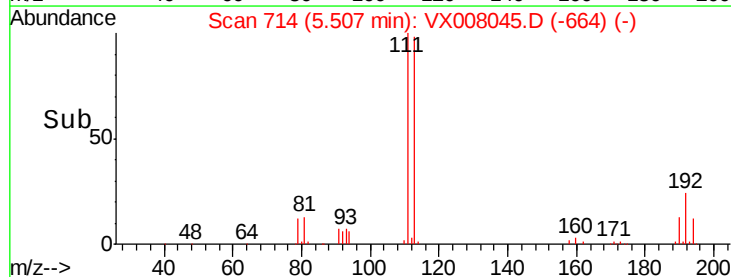
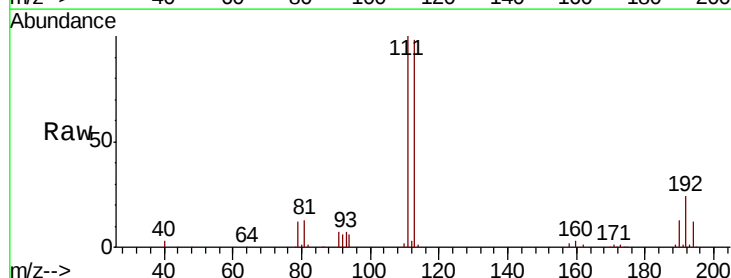
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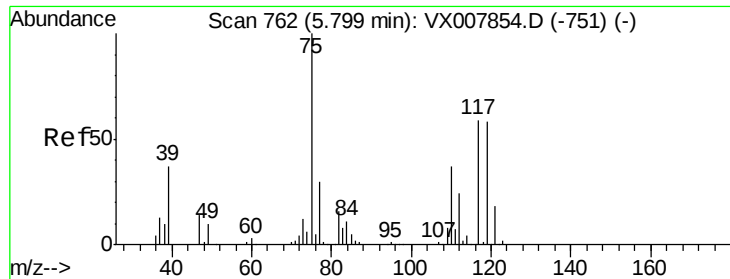
Tgt Ion:114 Resp: 397768
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.8
88 15.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.599 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

Tgt Ion:113 Resp: 126199
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 24.8 19.4 29.0

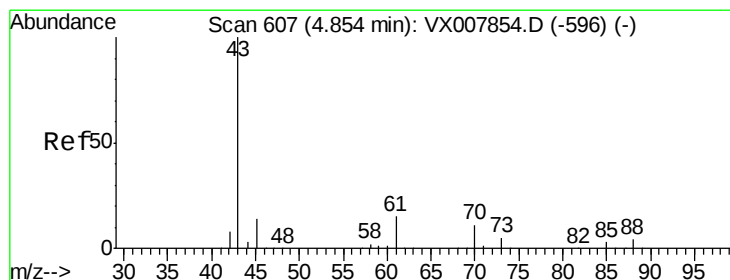
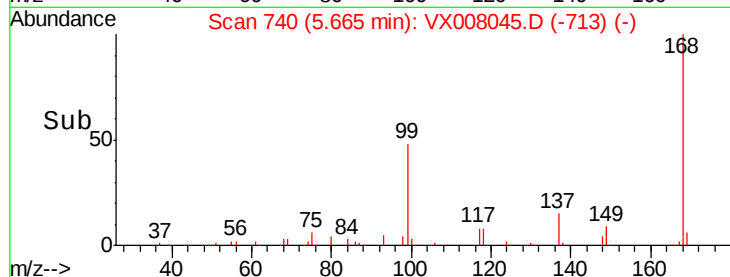
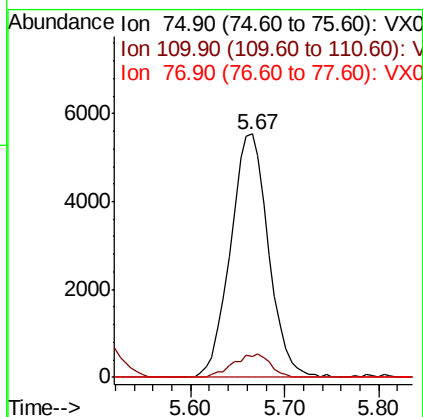
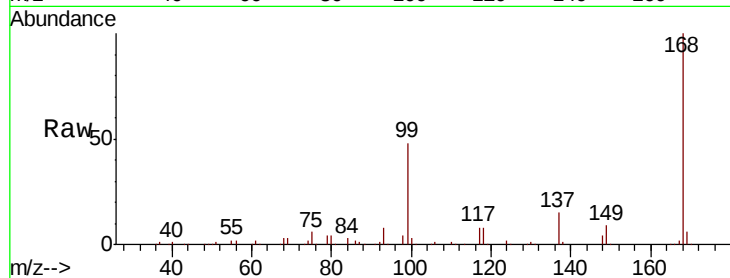




#36
 1,1-Dichloropropene
 Concen: 4.321 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008045.D
 Acq: 13 Mar 2019 13:31

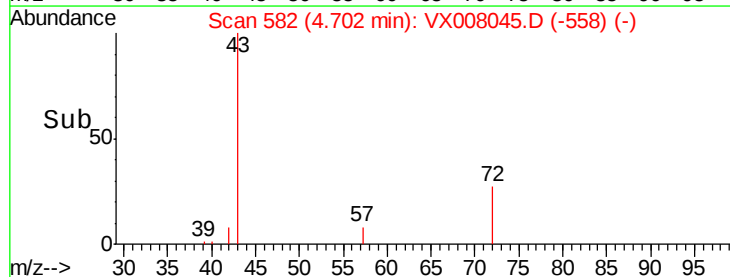
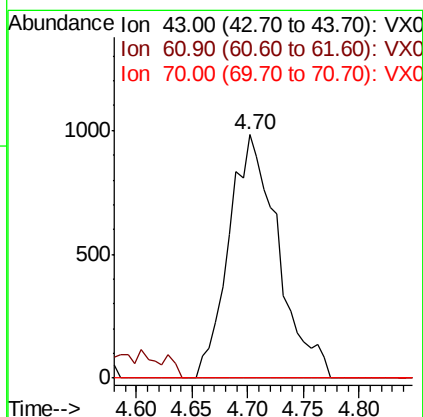
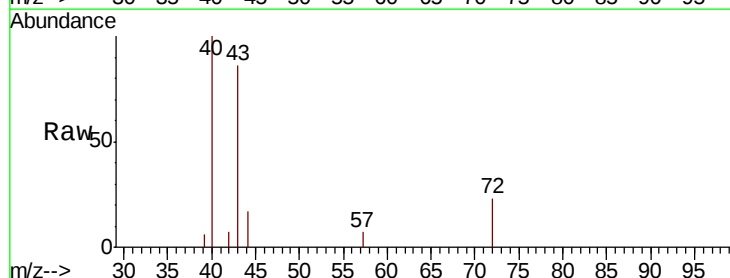
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-660-662

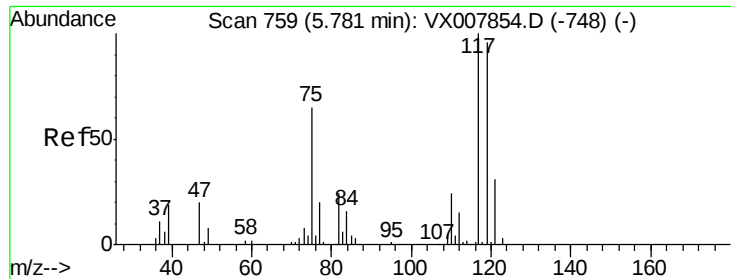
Tgt Ion: 75 Resp: 15563
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.0#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.711 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.15 min
 Lab File: VX008045.D
 Acq: 13 Mar 2019 13:31

Tgt Ion: 43 Resp: 3037
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 6.262 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX008045.D

Acq: 13 Mar 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-660-662

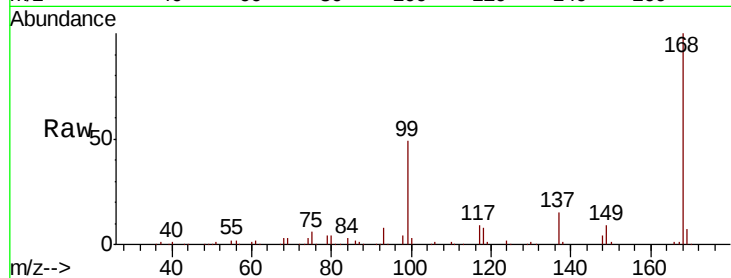
Tgt Ion:117 Resp: 21412

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

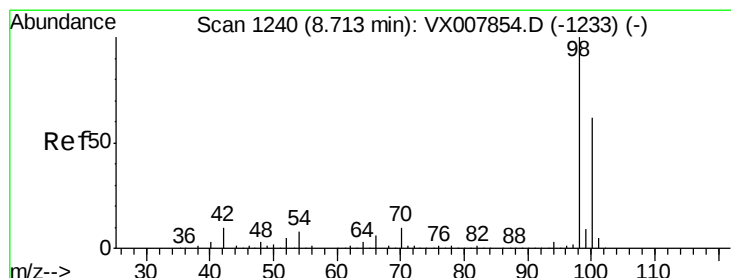
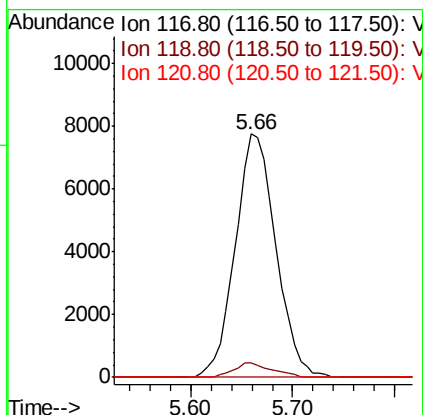
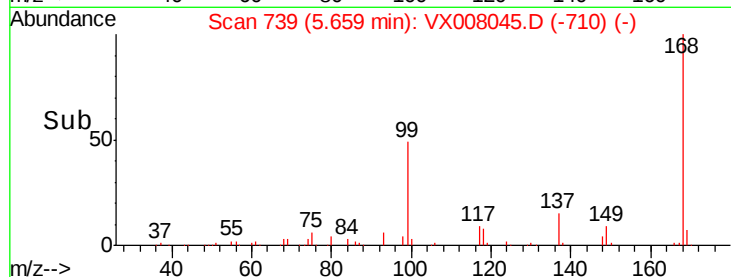
121 0.0 24.6 36.8#



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: 51.995 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008045.D

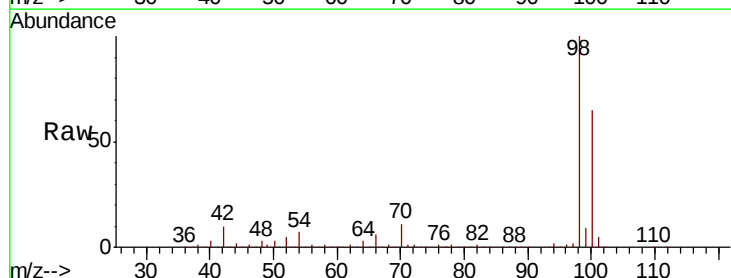
Acq: 13 Mar 2019 13:31

Tgt Ion: 98 Resp: 485858

Ion Ratio Lower Upper

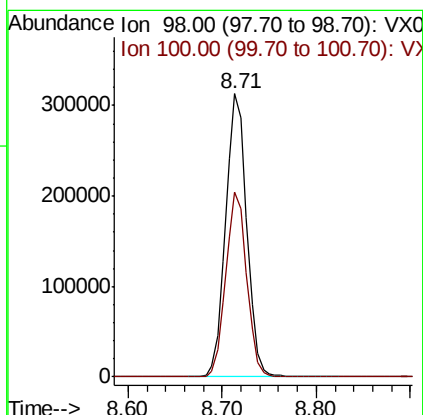
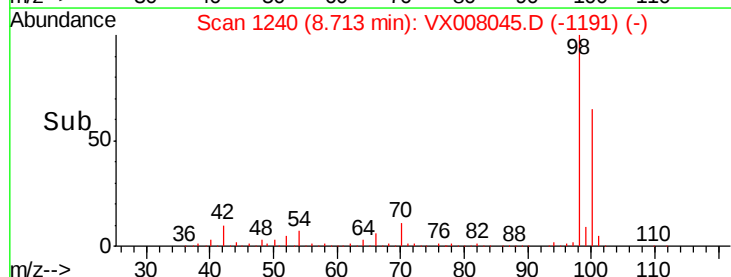
98 100

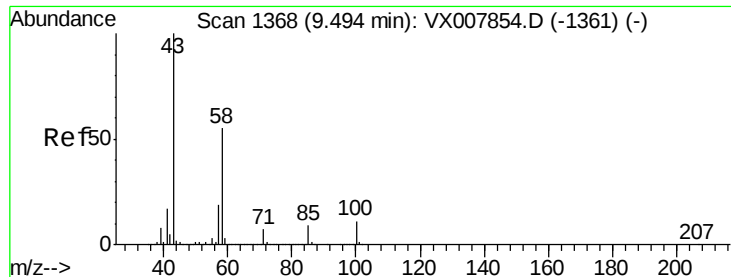
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

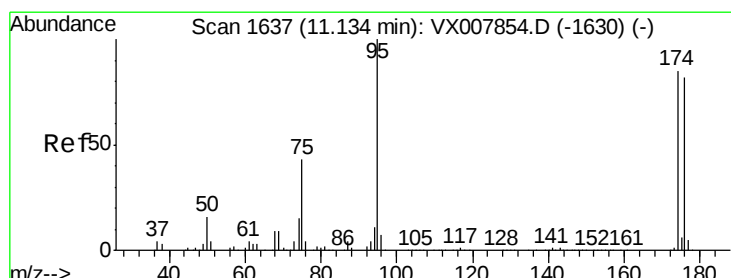
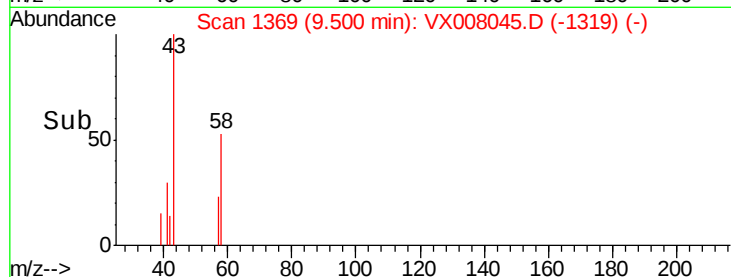
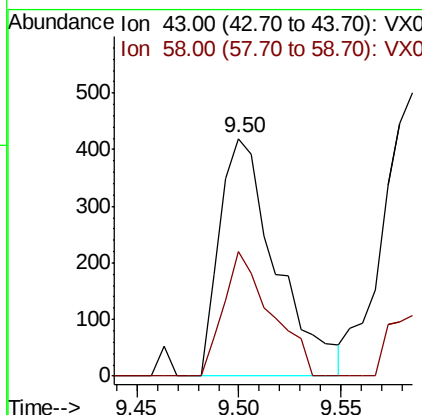
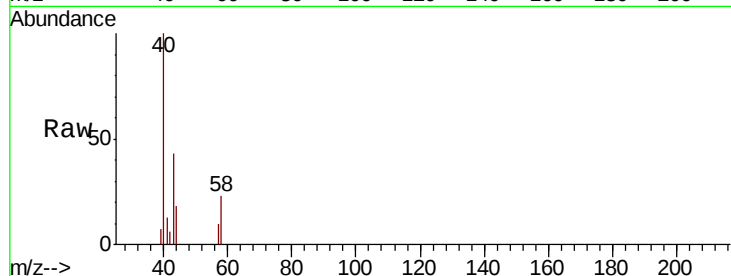




#59
2-Hexanone
Concen: 0.257 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

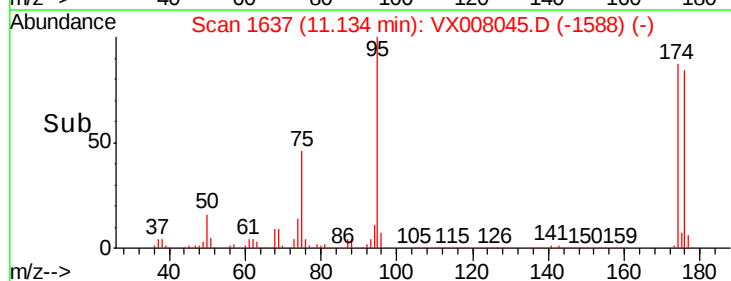
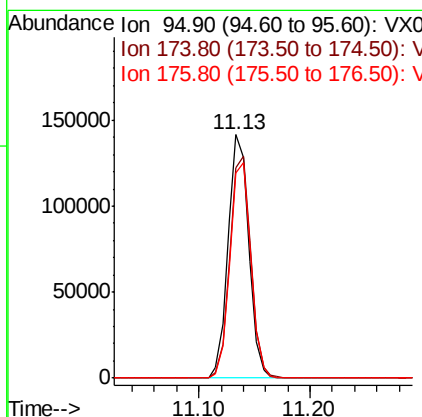
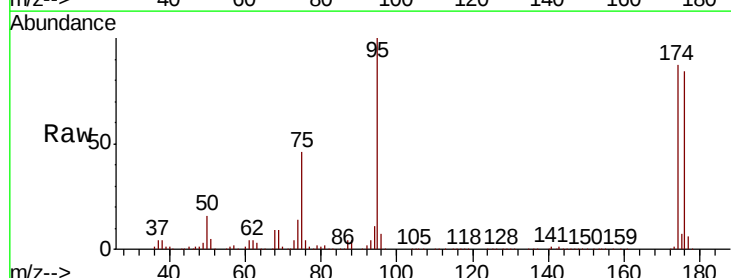
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-660-662

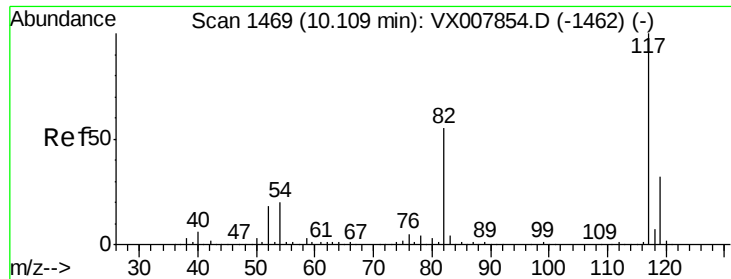
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 43.9 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 55.553 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

Tgt Ion: 95 Resp: 182001
Ion Ratio Lower Upper
95 100
174 92.7 0.0 182.8
176 89.7 0.0 178.0

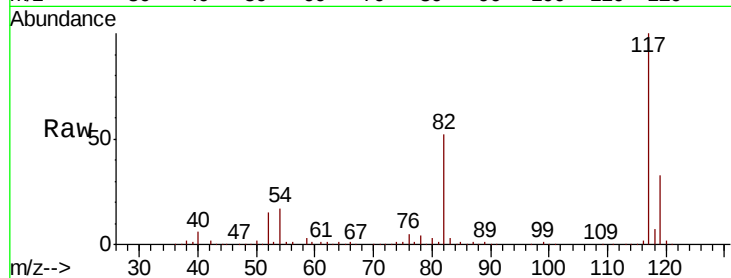




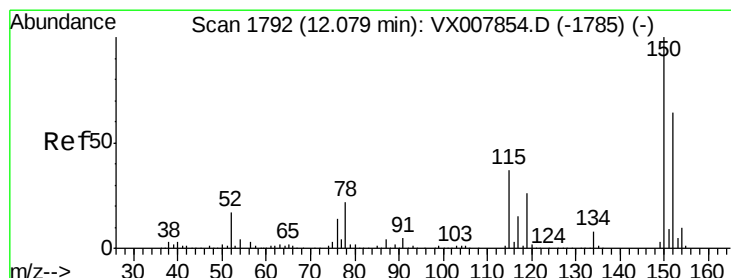
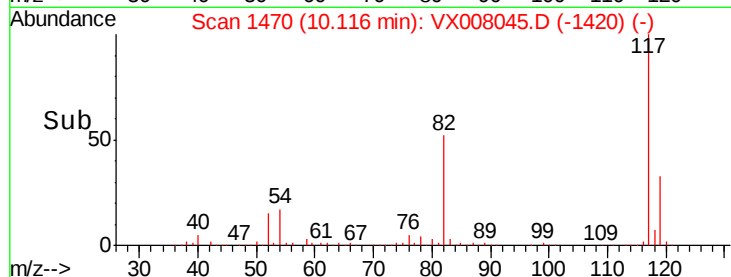
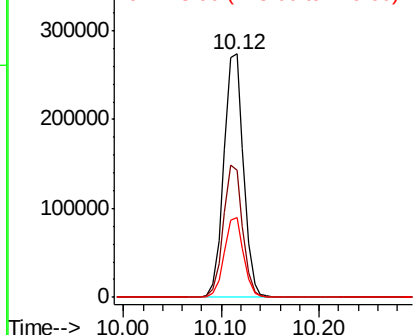
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-660-662

Tgt Ion:117 Resp: 381648
Ion Ratio Lower Upper
117 100
82 52.5 44.3 66.5
119 32.8 25.3 37.9

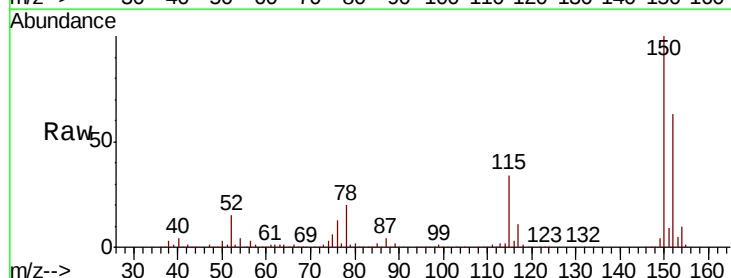


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

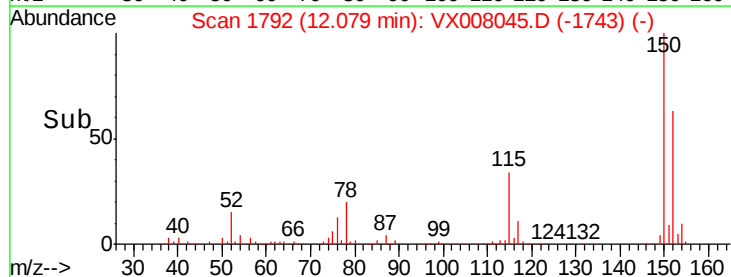
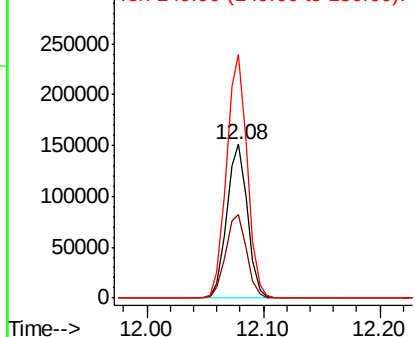


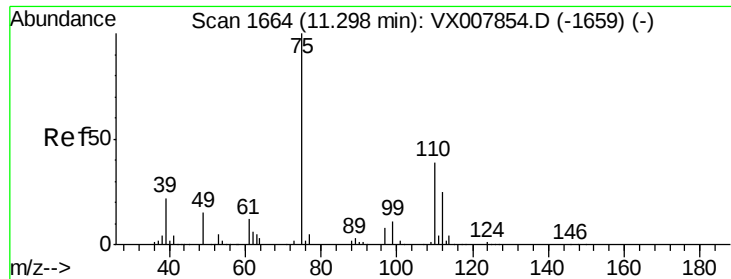
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008045.D
Acq: 13 Mar 2019 13:31

Tgt Ion:152 Resp: 185837
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 158.1 0.0 348.4



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

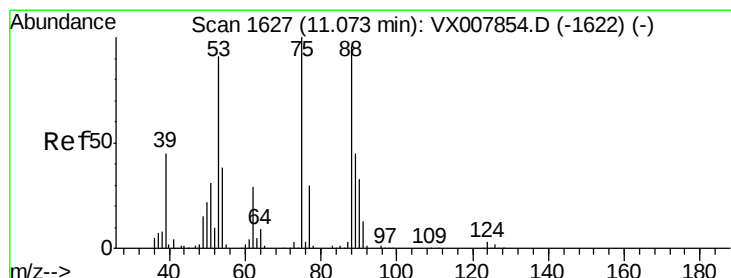
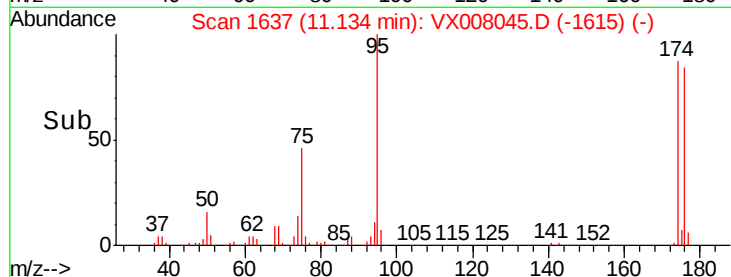
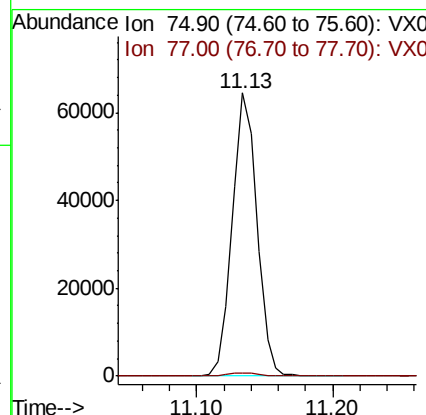
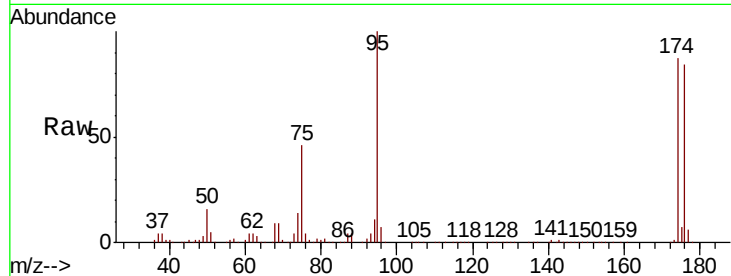




#76
 1,2,3-Trichloropropane
 Concen: 20.848 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008045.D
 Acq: 13 Mar 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-660-662

Tgt Ion: 75 Resp: 81298
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.639 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008045.D
 Acq: 13 Mar 2019 13:31

Tgt Ion: 75 Resp: 81298
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.3 54.5#

