

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008884.D
 Acq On : 12 Apr 2019 14:20
 Operator : JC/SP
 Sample : K2366-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW204-20190409

Quant Time: Apr 13 04:58:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	195802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112182	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	129496	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
35) Dibromofluoromethane	5.50	113	93580	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
50) Toluene-d8	8.71	98	393610	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	129580	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

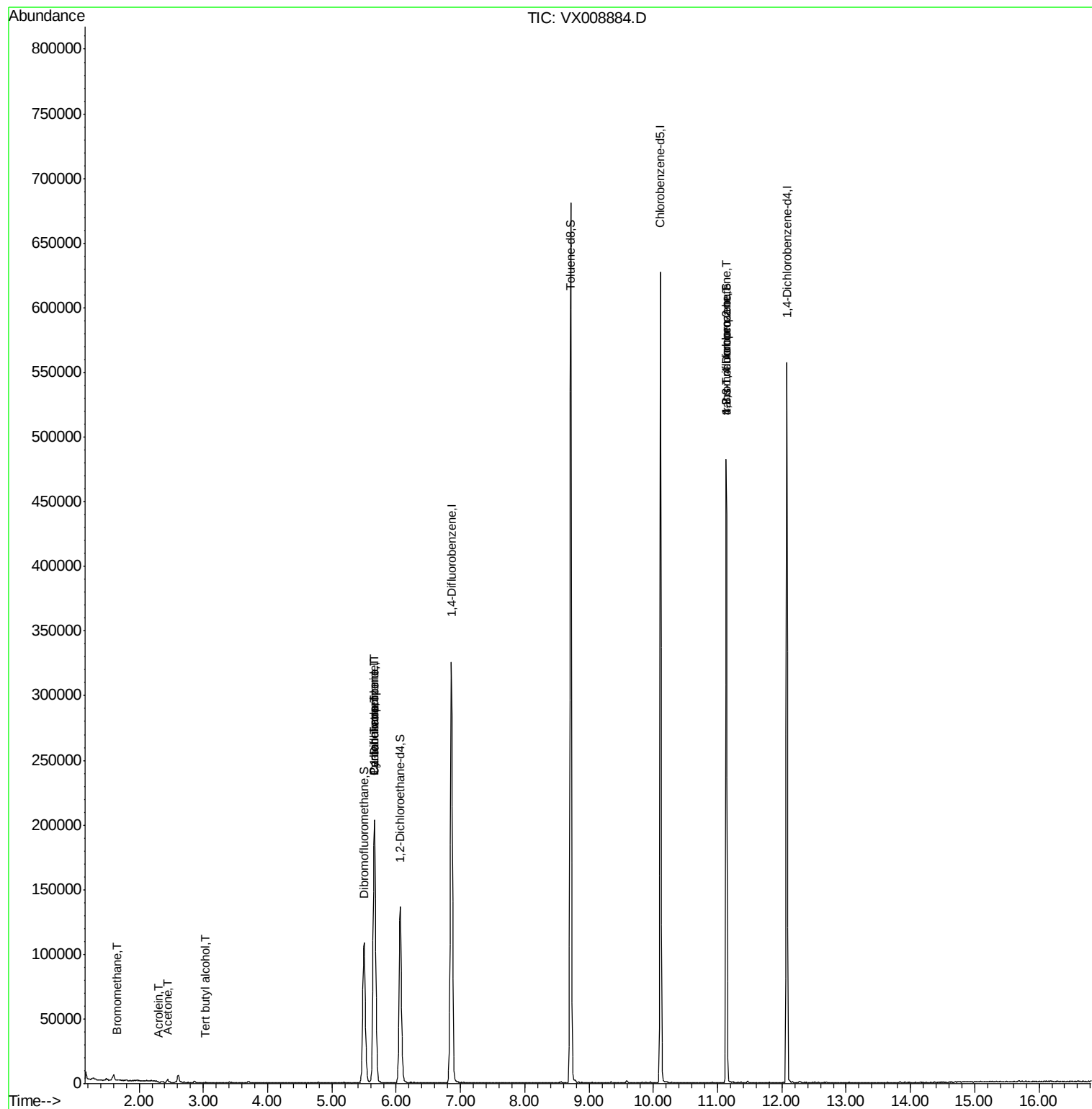
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	313	Below Cal	#	53
5) Bromomethane	1.65	94	267	2.056	ug/l #	78
6) Chloroethane	1.71	64	117	Below Cal	#	43
11) Tert butyl alcohol	3.04	59	366	0.547	ug/l #	72
13) Acrolein	2.30	56	292	0.881	ug/l	92
16) Acetone	2.44	43	2621	1.593	ug/l	89
17) Carbon Disulfide	2.57	76	475	Below Cal	#	75
28) Bromochloromethane	5.16	49	74	Below Cal	#	22
31) Cyclohexane	5.67	56	4115	0.834	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15314	4.472	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18719	6.604	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	65597	21.286	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65597	58.675	ug/l #	9

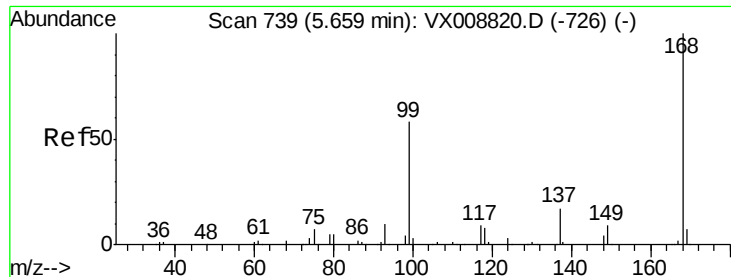
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

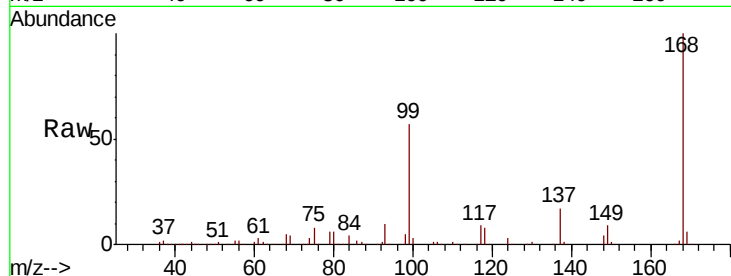
SA-SW204-20190409

Tot Ion:168 Resp: 195802

Ion Ratio Lower Upper

168 100

99 56.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

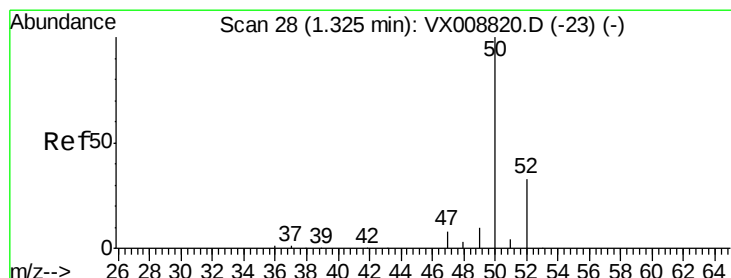
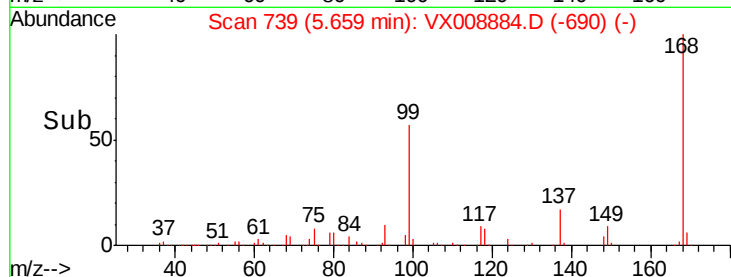
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008884.D

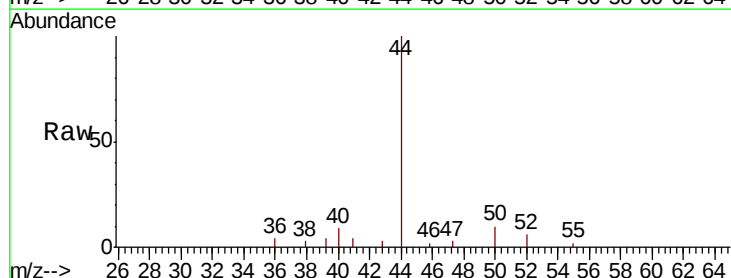
Acq: 12 Apr 2019 14:20

Tgt Ion: 50 Resp: 313

Ion Ratio Lower Upper

50 100

52 58.3 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

250

200

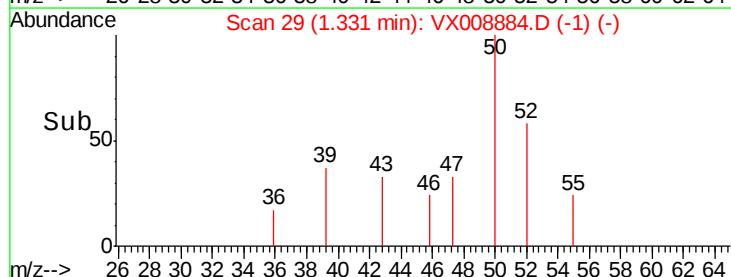
150

100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.056 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

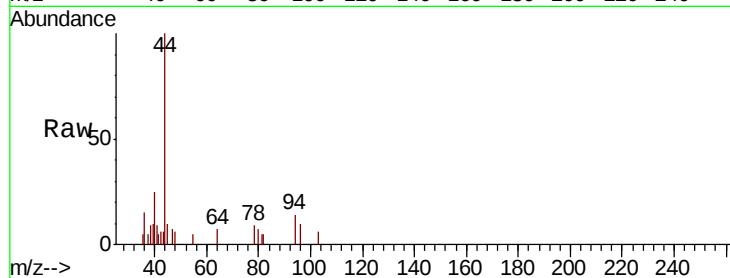
SA-SW204-20190409

Tot Ion: 94 Resp: 267

Ion Ratio Lower Upper

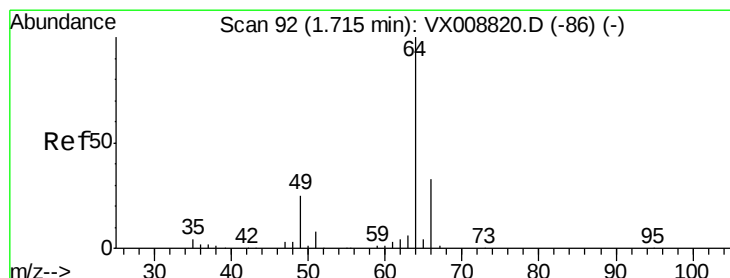
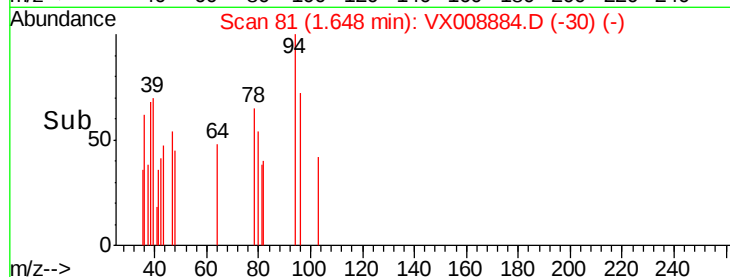
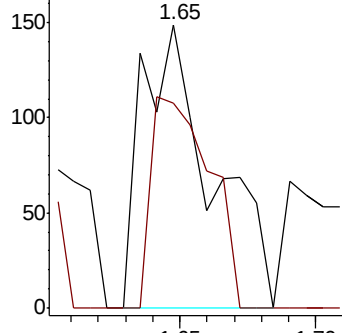
94 100

96 72.5 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008884.D

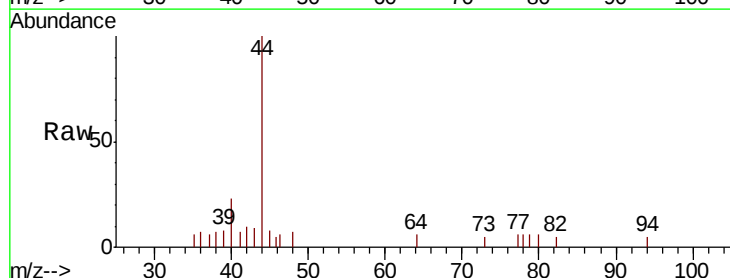
Acq: 12 Apr 2019 14:20

Tgt Ion: 64 Resp: 117

Ion Ratio Lower Upper

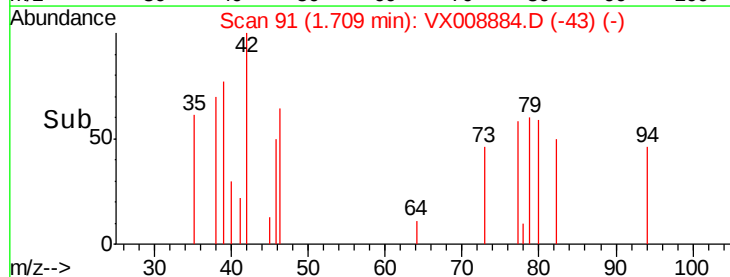
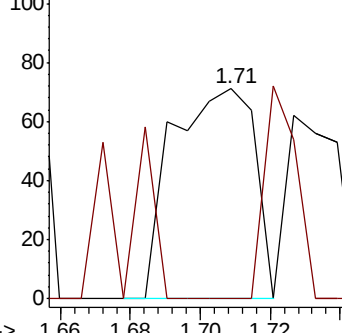
64 100

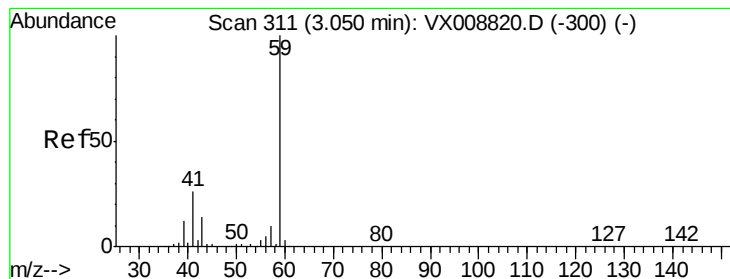
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



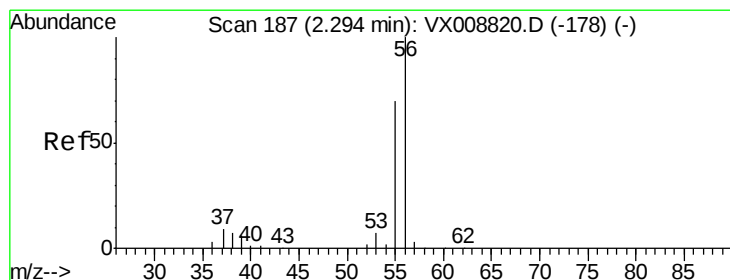
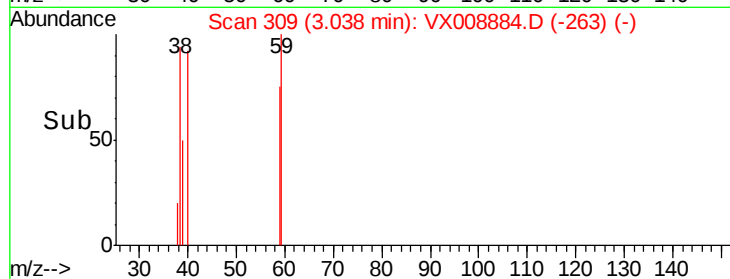
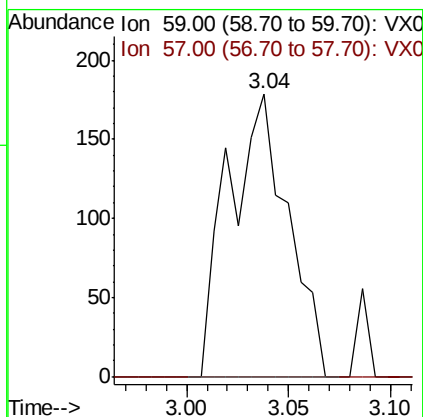
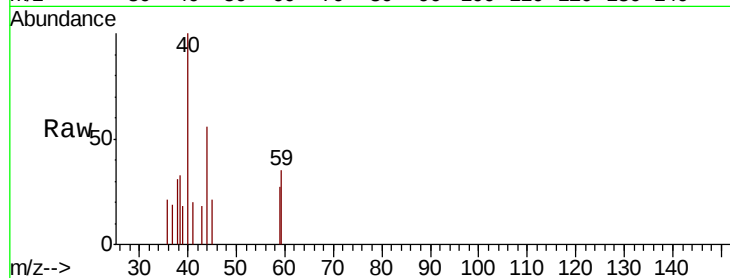


#11

Tert butvl alcohol
Concen: 0.547 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008884.D
Acq: 12 Apr 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
SA-SW204-20190409

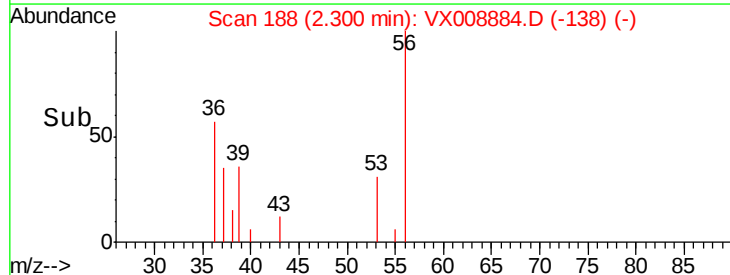
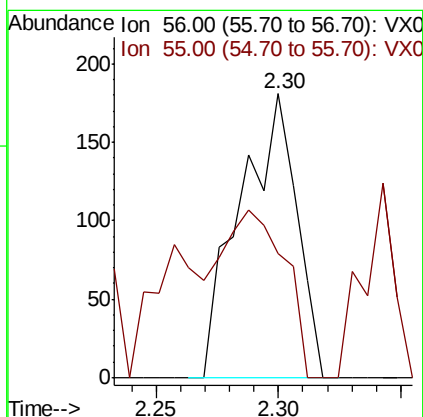
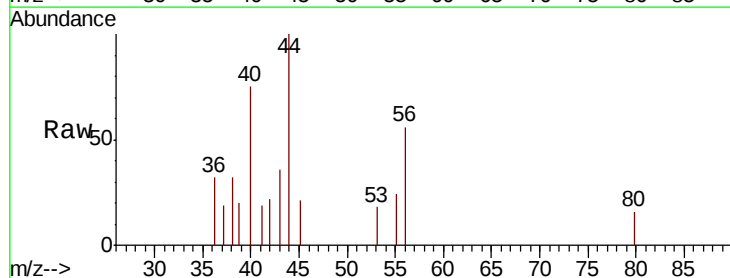
Tot Ion: 59 Resp: 366
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

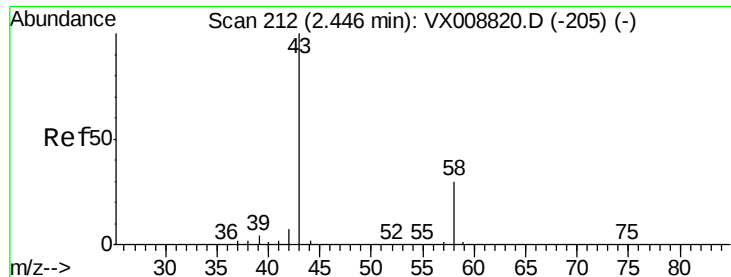


#13

Acrolein
Concen: 0.881 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008884.D
Acq: 12 Apr 2019 14:20

Tgt Ion: 56 Resp: 292
Ion Ratio Lower Upper
56 100
55 65.8 58.0 87.0





#16

Acetone

Concen: 1.593 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

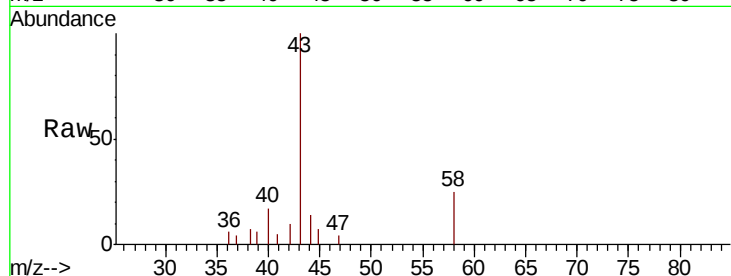
SA-SW204-20190409

Tot Ion: 43 Resp: 2621

Ion Ratio Lower Upper

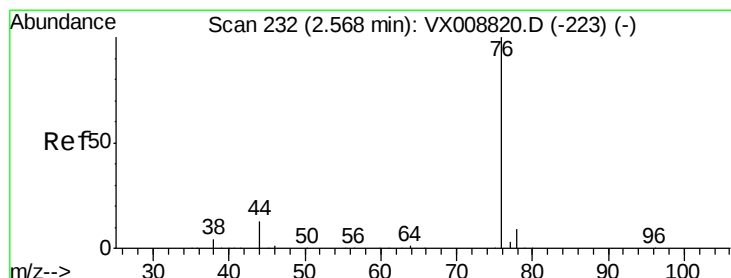
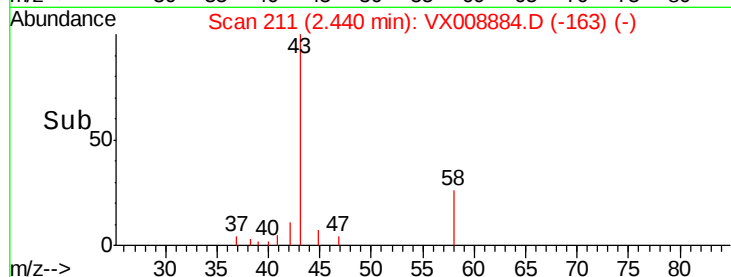
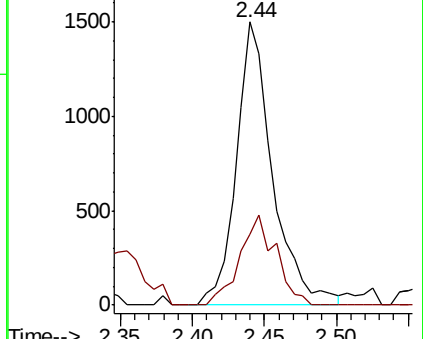
43 100

58 25.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008884.D

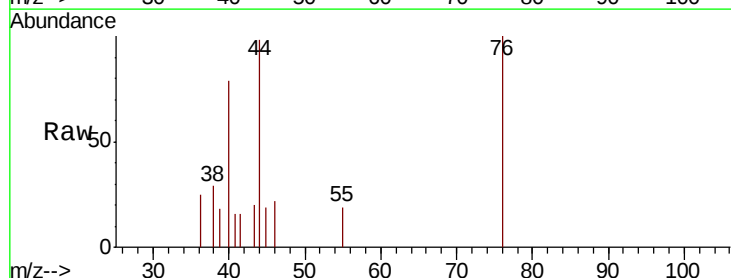
Acq: 12 Apr 2019 14:20

Tgt Ion: 76 Resp: 475

Ion Ratio Lower Upper

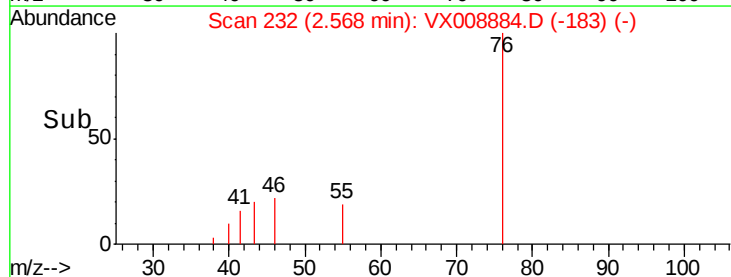
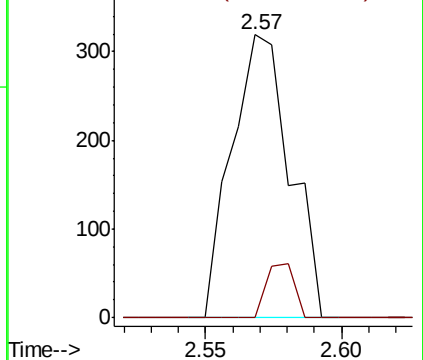
76 100

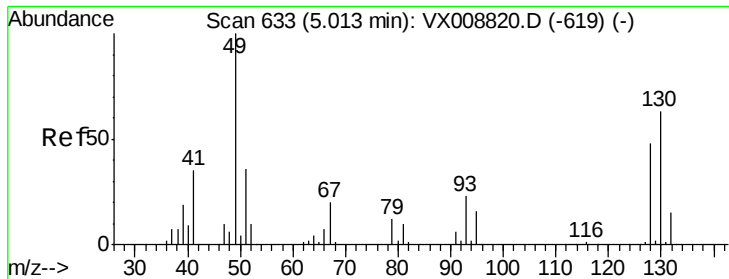
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.16 min Scan# 657

Delta R.T. 0.14 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

SA-SW204-20190409

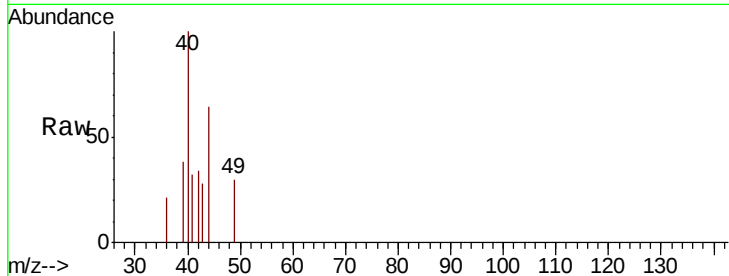
Tot Ion: 49 Resp: 74

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#



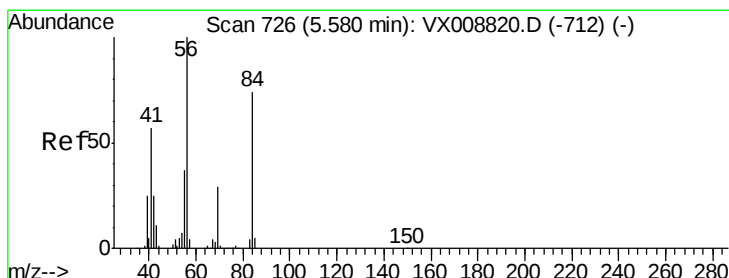
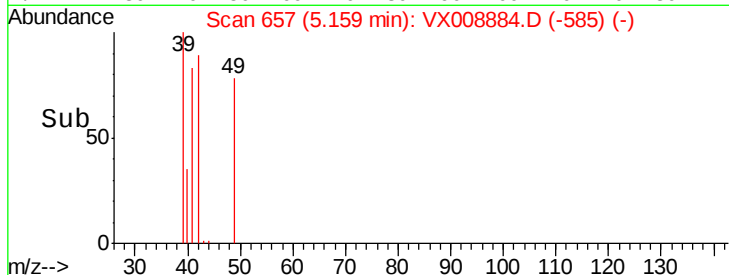
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

5.16

Time-->



#31

Cyclohexane

Concen: 0.834 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

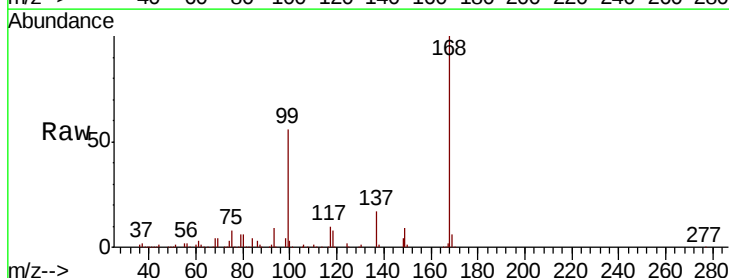
Tgt Ion: 56 Resp: 4115

Ion Ratio Lower Upper

56 100

69 171.2 22.6 33.8#

84 159.2 59.3 88.9#



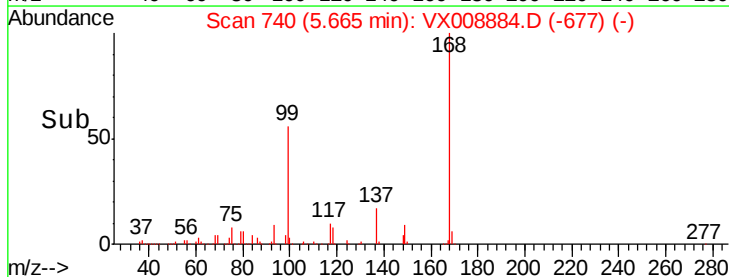
Abundance Ion 56.00 (55.70 to 56.70): VX0

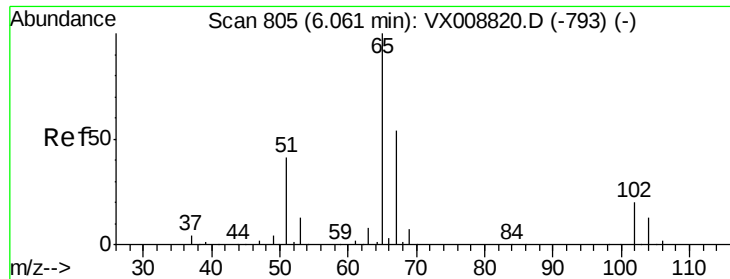
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.67

Time-->

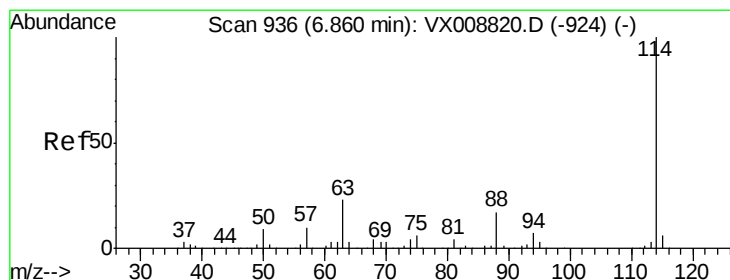
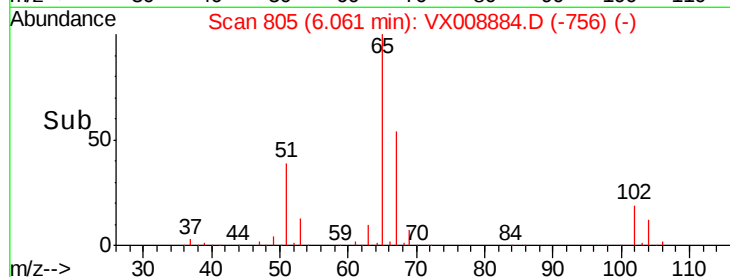
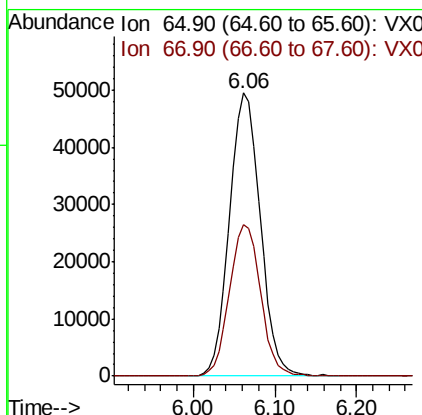
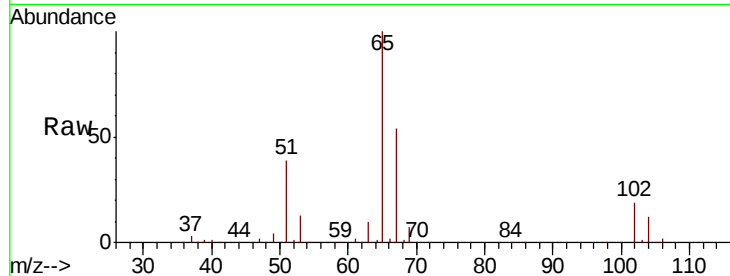




#33
 1,2-Dichloroethane-d4
 Concen: 45.344 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008884.D
 Acq: 12 Apr 2019 14:20

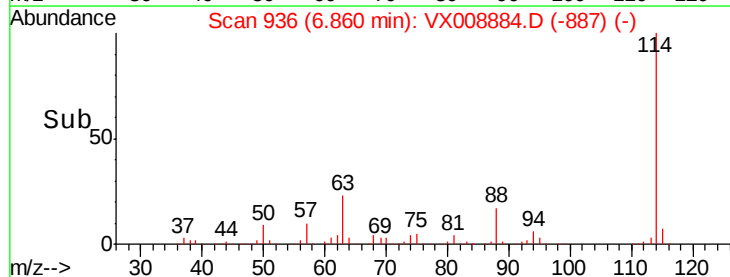
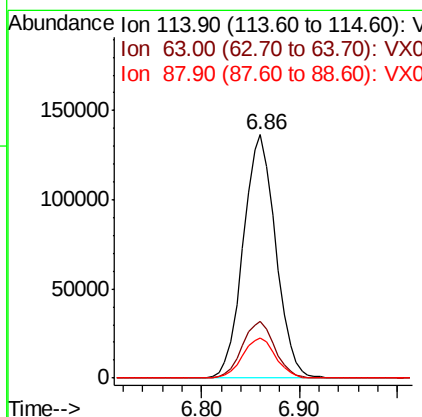
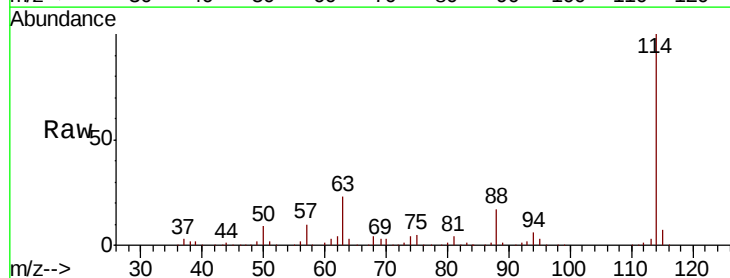
Instrument :
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 SA-SW204-20190409

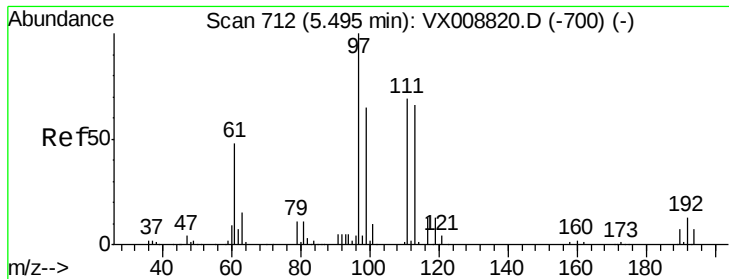
Tot Ion: 65 Resp: 129496
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008884.D
 Acq: 12 Apr 2019 14:20

Tgt Ion: 114 Resp: 313298
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.2
 88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.717 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

SA-SW204-20190409

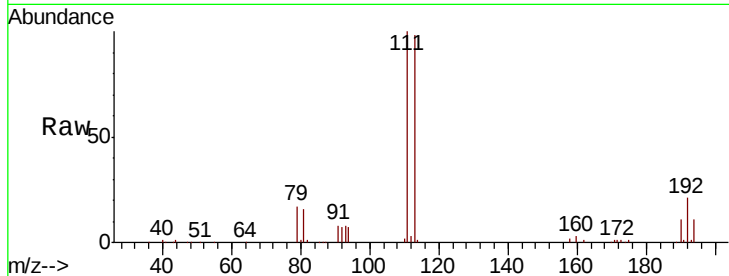
Tot Ion:113 Resp: 93580

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

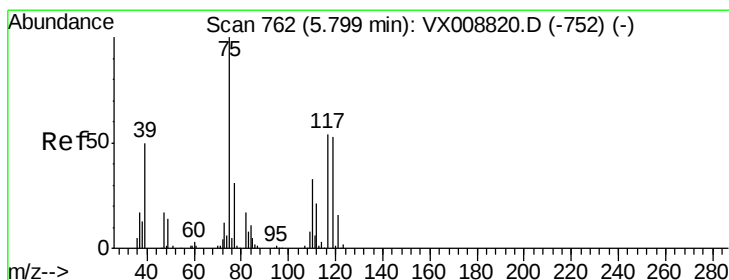
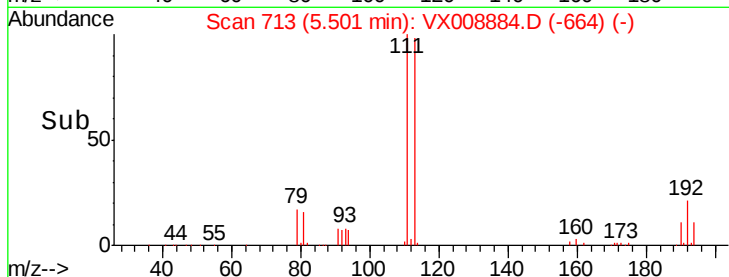
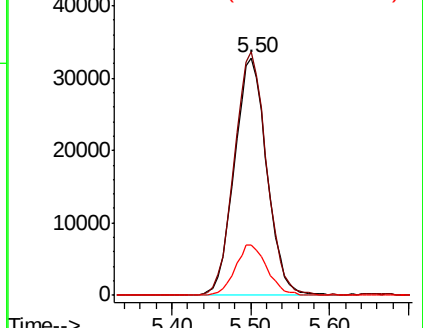
192 20.9 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.472 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

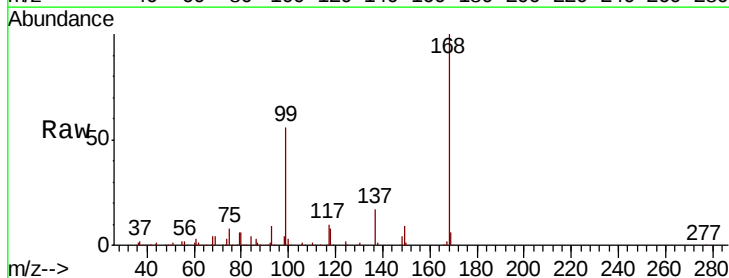
Tgt Ion: 75 Resp: 15314

Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.2#

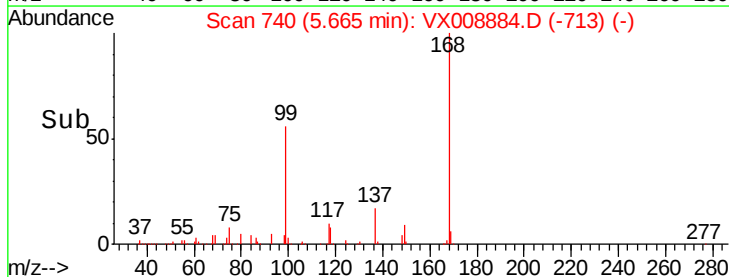
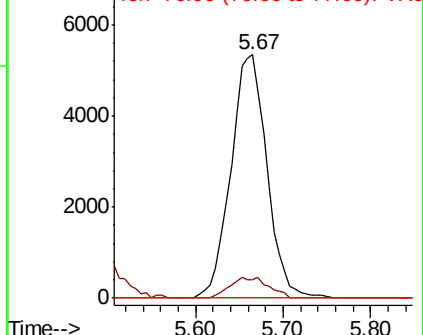
77 0.0 24.7 37.1#

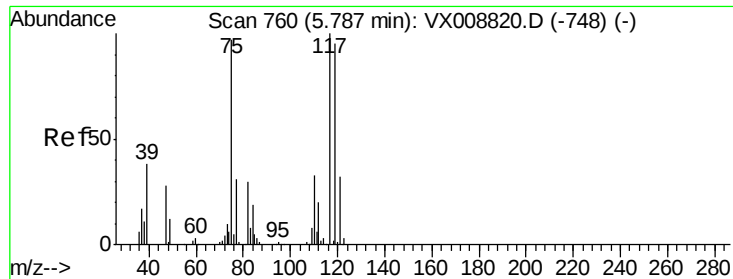


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.604 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

SA-SW204-20190409

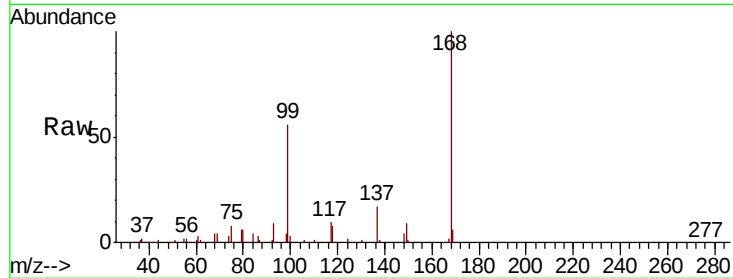
Tot Ion:117 Resp: 18719

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

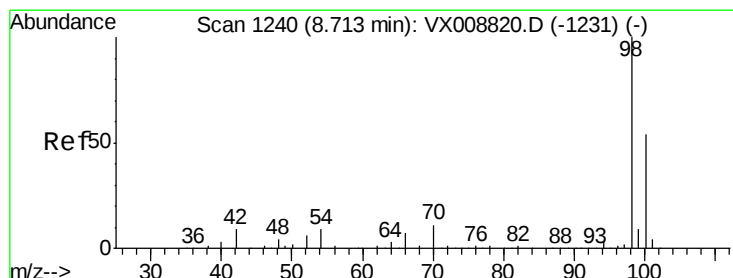
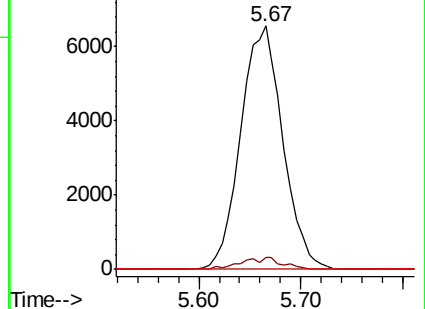
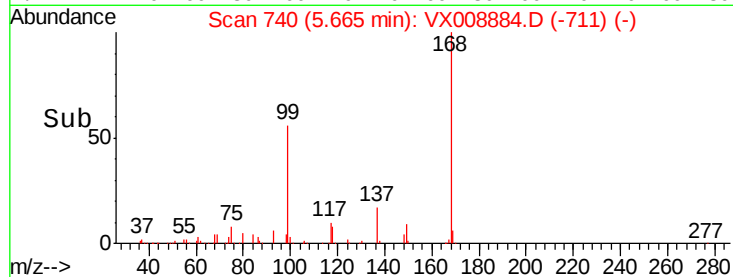
121 0.0 24.3 36.5#



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: 49.350 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008884.D

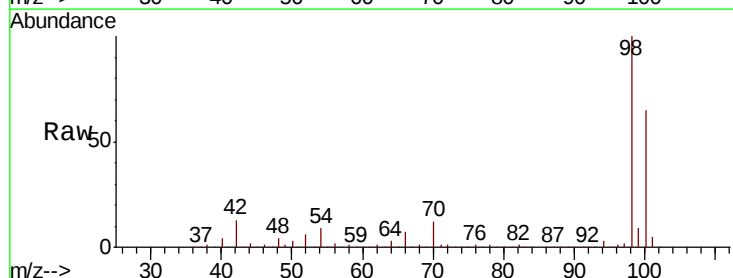
Acq: 12 Apr 2019 14:20

Tgt Ion: 98 Resp: 393610

Ion Ratio Lower Upper

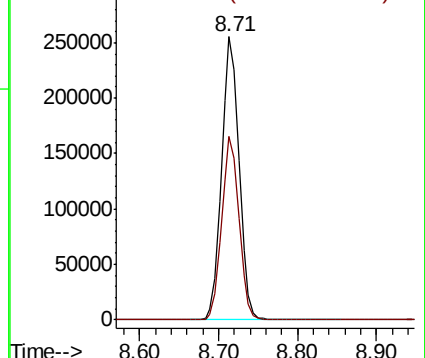
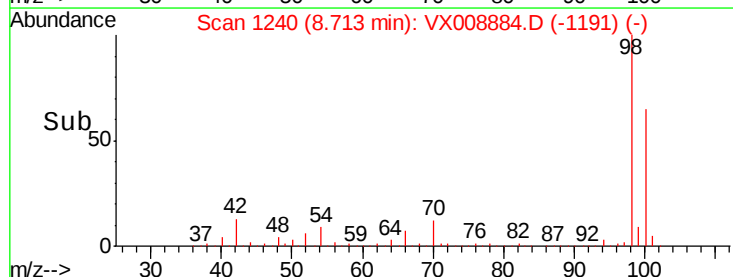
98 100

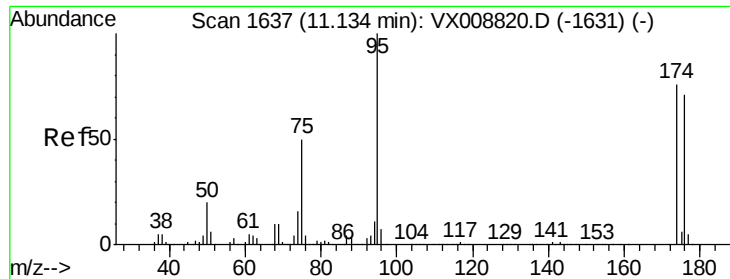
100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.815 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

SA-SW204-20190409

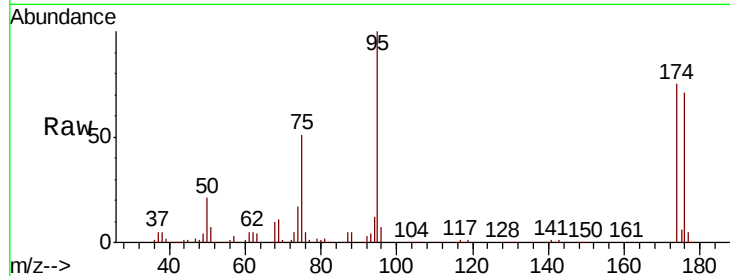
Tot Ion: 95 Resp: 129580

Ion Ratio Lower Upper

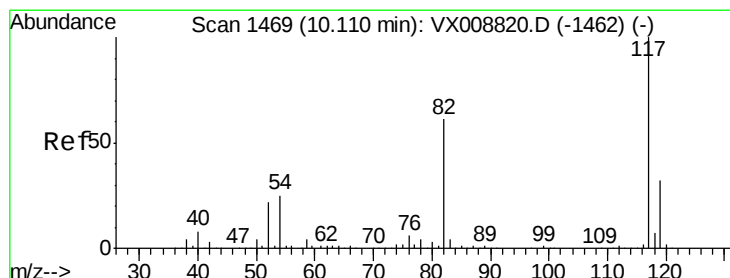
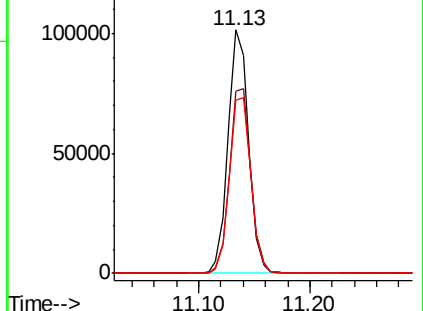
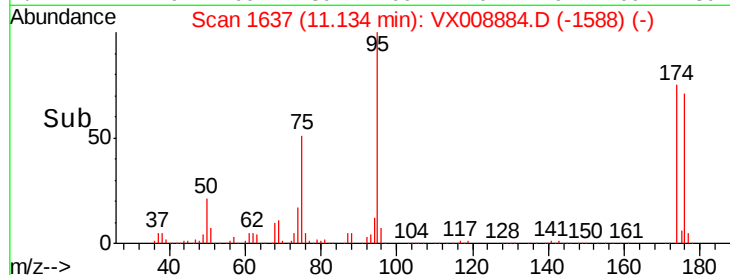
95 100

174 78.4 0.0 151.8

176 76.0 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008884.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

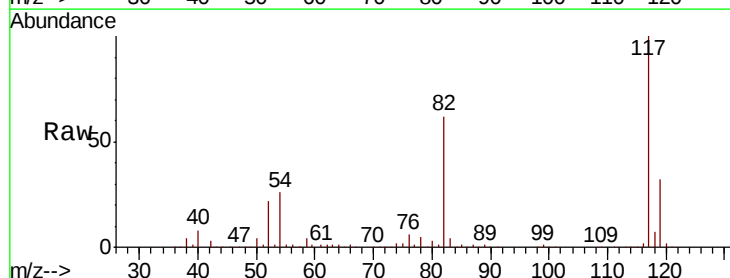
Tgt Ion: 117 Resp: 271470

Ion Ratio Lower Upper

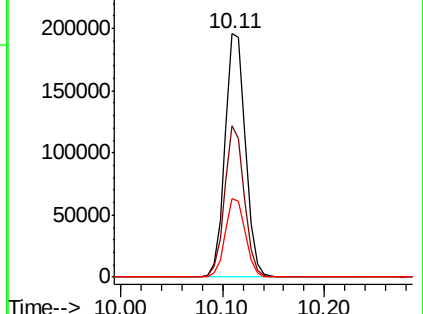
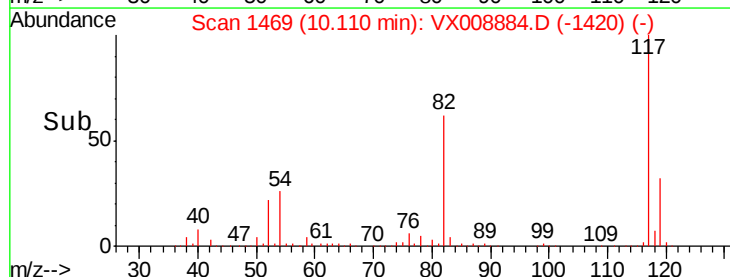
117 100

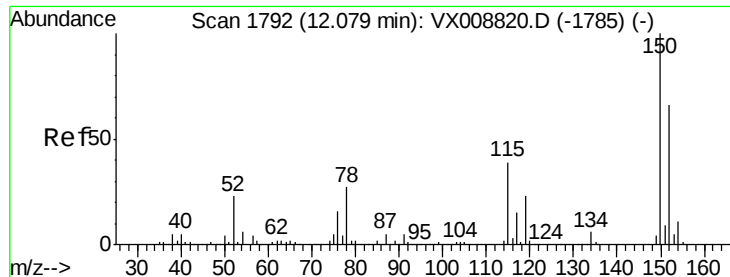
82 62.2 49.6 74.4

119 32.1 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): VX008884.D (-1420) (-)



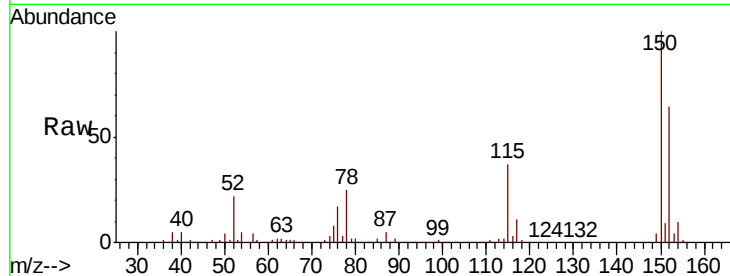


#72

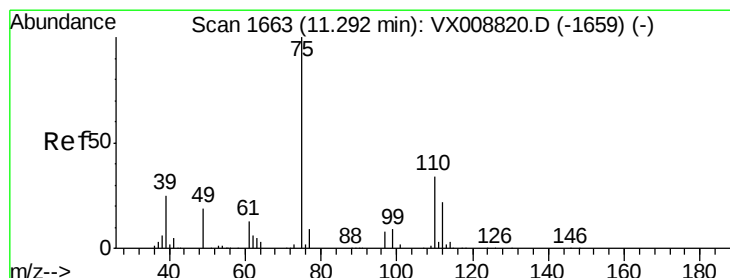
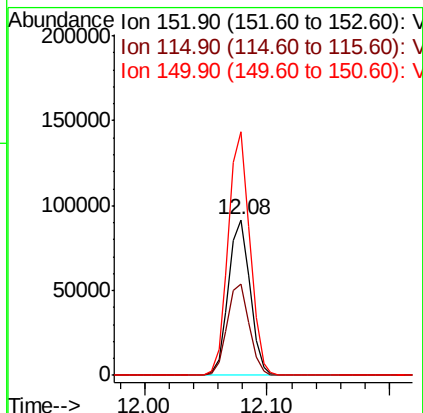
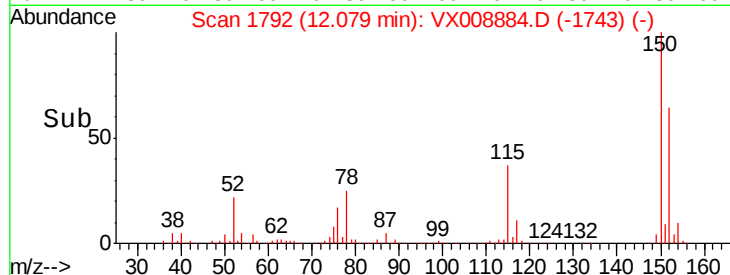
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008884.D
Acq: 12 Apr 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
SA-SW204-20190409

Tot Ion:152 Resp: 112182
Ion Ratio Lower Upper
152 100
115 59.8 43.5 130.5
150 156.0 0.0 348.8



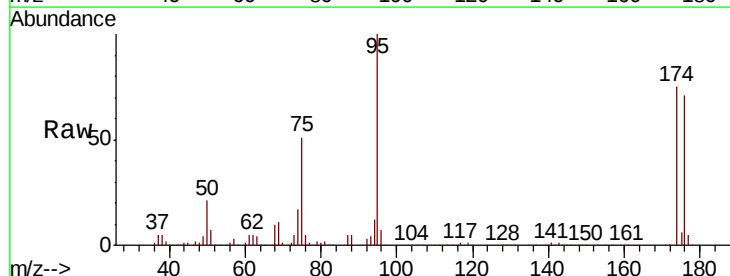
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



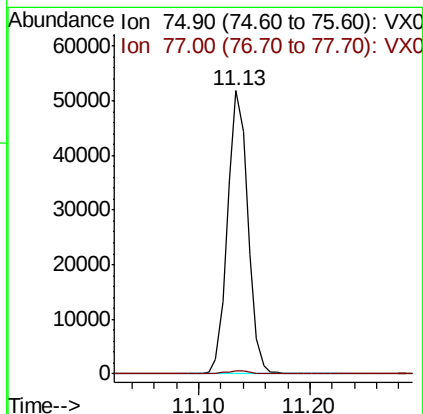
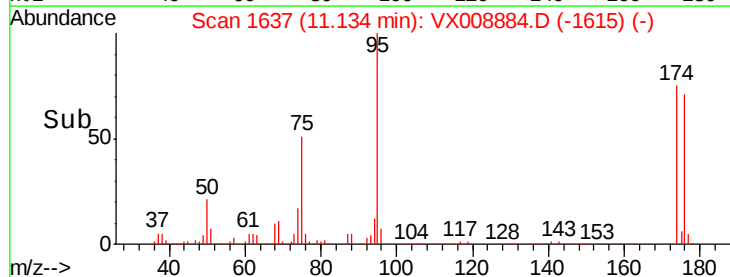
#76

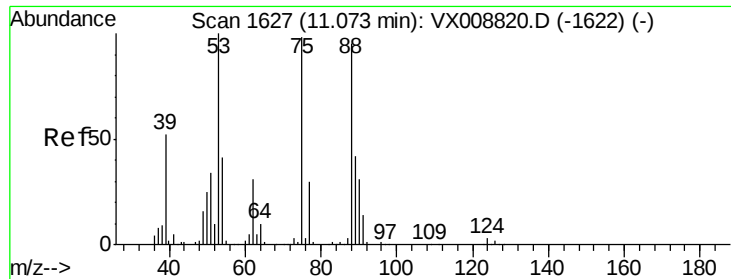
1,2,3-Trichloropropane
Concen: 21.286 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008884.D
Acq: 12 Apr 2019 14:20

Tgt Ion: 75 Resp: 65597
Ion Ratio Lower Upper
75 100
77 1.3 22.3 66.8#



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: 58.675 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008884.D

Acq: 12 Apr 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

SA-SW204-20190409

Tot Ion: 75 Resp: 65597

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

