

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004584.D
 Acq On : 15 Sep 2018 15:07
 Operator : JC/MD
 Sample : J4925-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0261

Quant Time: Sep 17 08:37:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194919	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	157428	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	5.51	113	153210	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
50) Toluene-d8	8.72	98	516411	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	11.14	95	185136	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	

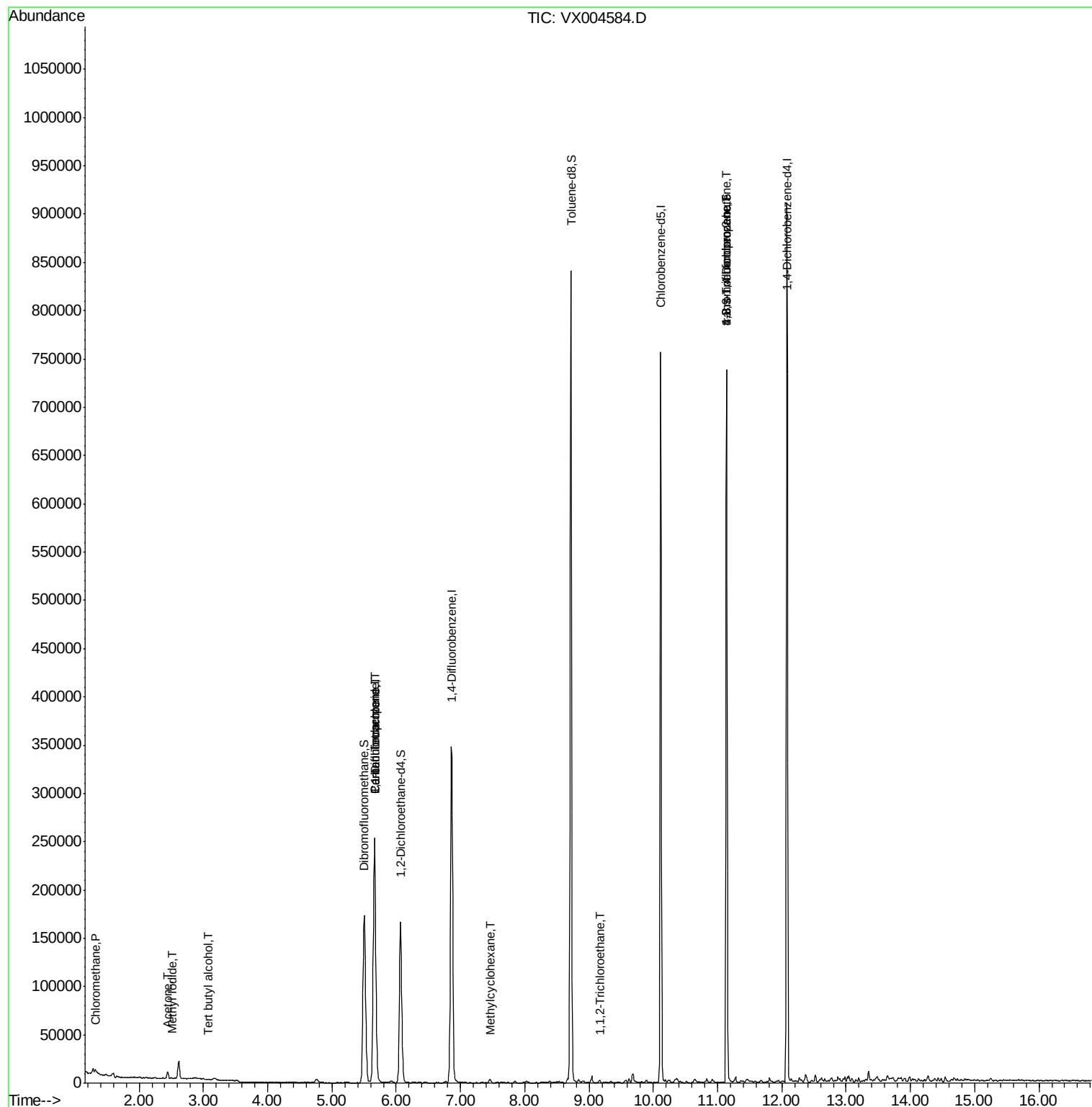
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2001	0.60	ug/l	97
5) Bromomethane	1.65	94	937	Below Cal		82
10) Methyl Iodide	2.52	142	504	4.39	ug/l #	82
11) Tert butyl alcohol	3.07	59	433	0.54	ug/l #	72
16) Acetone	2.44	43	7396	4.54	ug/l	90
36) 1,1-Dichloropropene	5.67	75	16773	3.82	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21931	5.11	ug/l #	16
39) Methylcyclohexane	7.46	83	1372	0.30	ug/l #	77
55) 1,1,2-Trichloroethane	9.17	97	988	0.30	ug/l #	22
76) 1,2,3-Trichloropropane	11.14	75	86845	22.15	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	86845	70.59	ug/l #	10

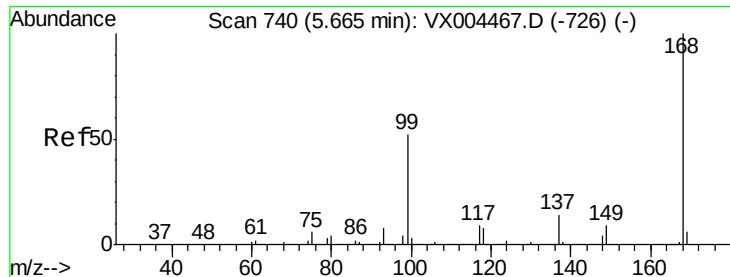
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091518\
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Quant Time: Sep 17 08:37:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

Instrument :

MSVOA_X

ClientSampled :

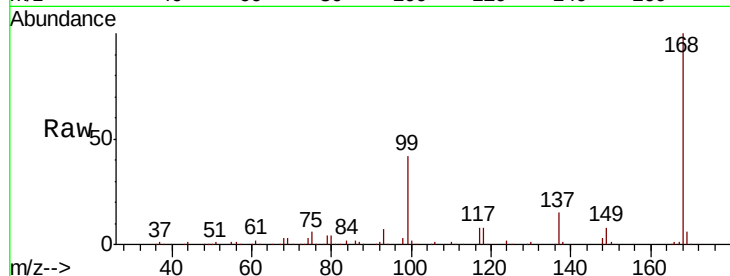
S13-0261

Tot Ion:168 Resp: 258814

Ion Ratio Lower Upper

168 100

99 41.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

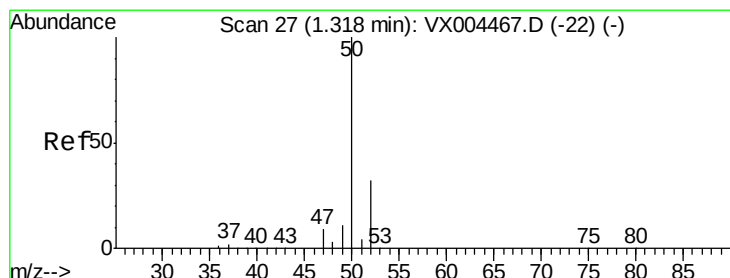
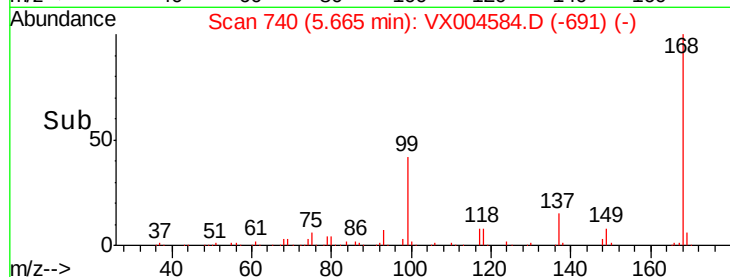
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.60 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004584.D

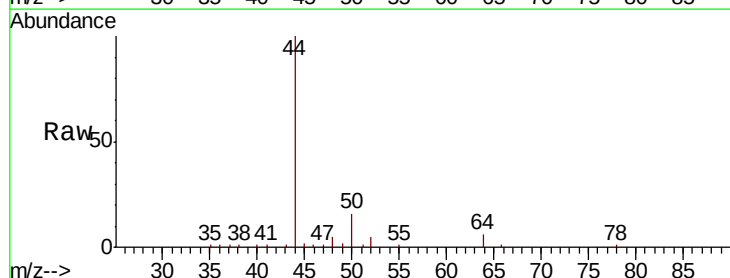
Acq: 15 Sep 2018 15:07

Tgt Ion: 50 Resp: 2001

Ion Ratio Lower Upper

50 100

52 31.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1500

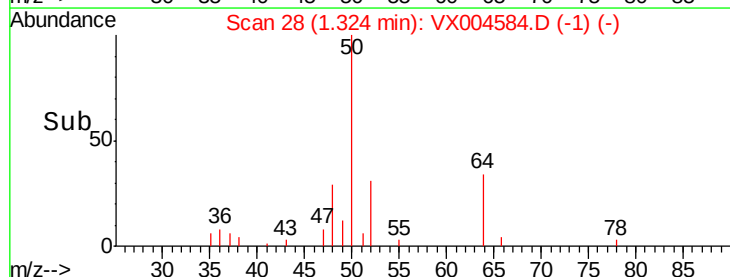
1000

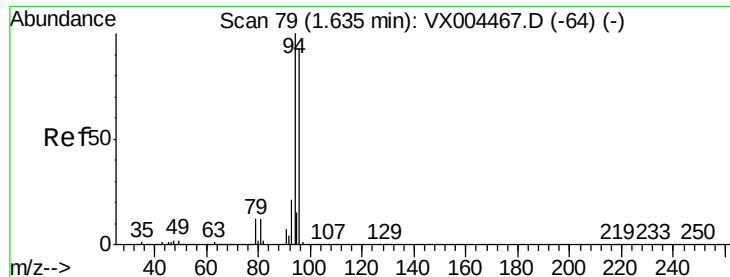
500

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

Instrument :

MSVOA_X

ClientSampleId :

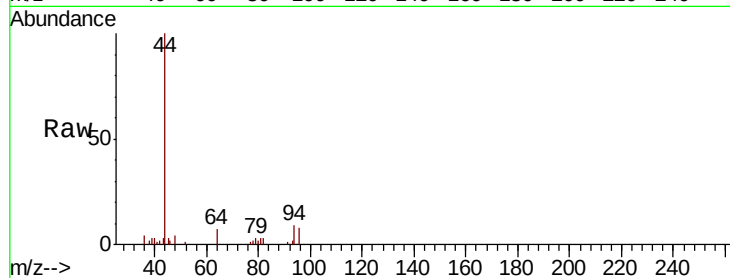
S13-0261

Tot Ion: 94 Resp: 937

Ion Ratio Lower Upper

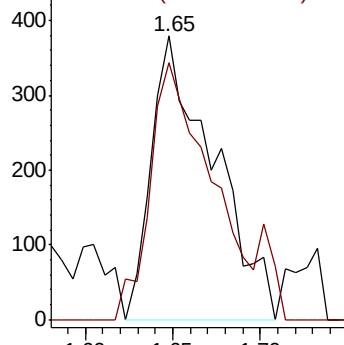
94 100

96 76.0 74.5 111.7

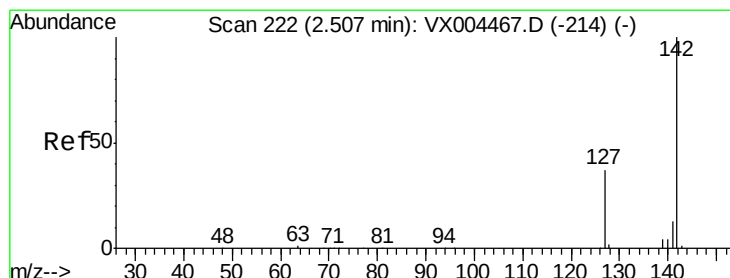
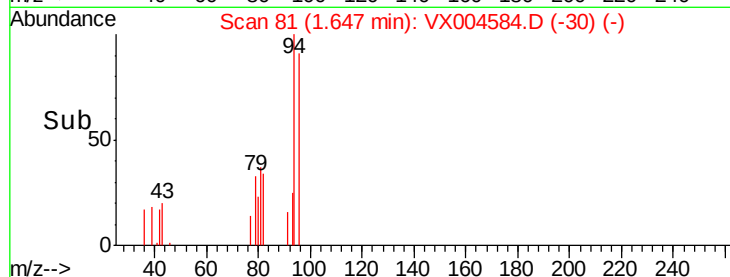


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.39 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

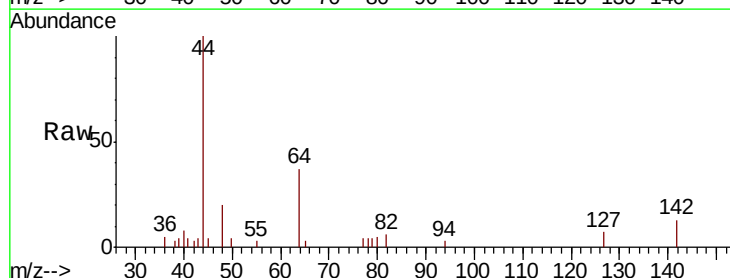
Tgt Ion: 142 Resp: 504

Ion Ratio Lower Upper

142 100

127 49.8 33.8 50.6

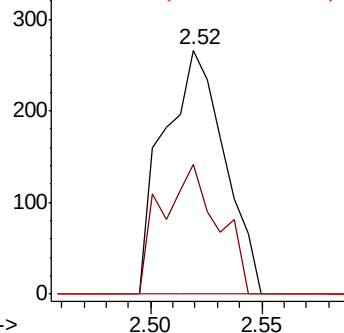
141 0.0 11.4 17.0#



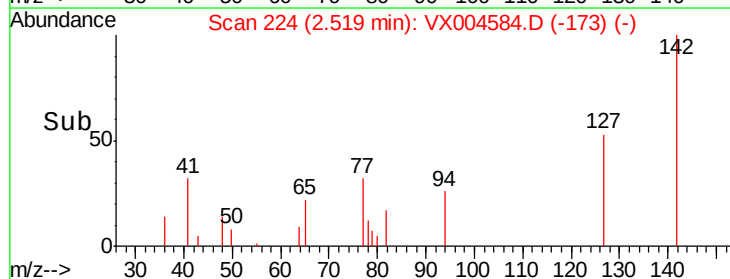
Abundance Ion 141.80 (141.50 to 142.50): V

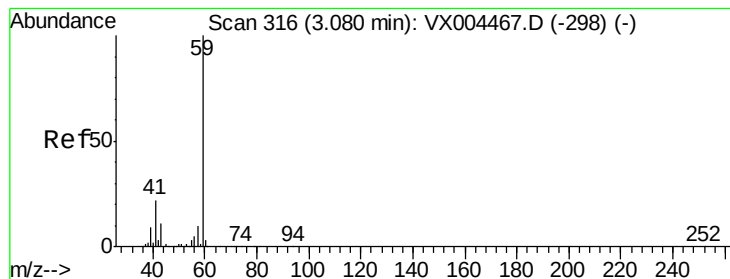
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#11

Tert butyl alcohol

Concen: 0.54 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

Instrument :

MSVOA_X

ClientSampled :

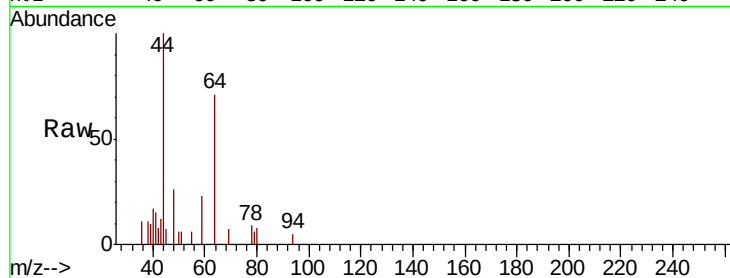
S13-0261

Tot Ion: 59 Resp: 433

Ion Ratio Lower Upper

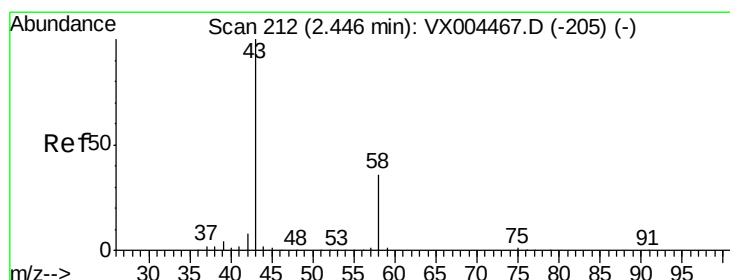
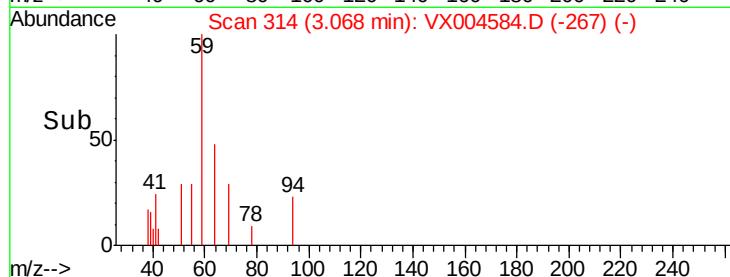
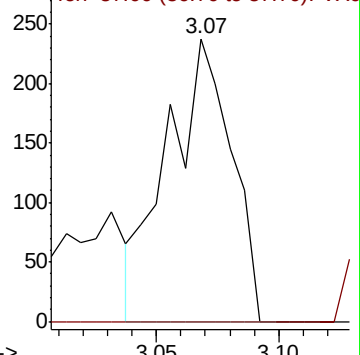
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 4.54 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004584.D

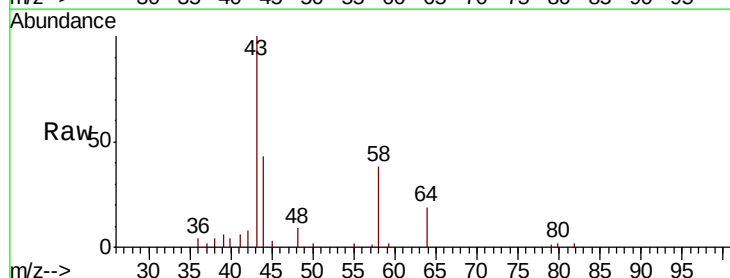
Acq: 15 Sep 2018 15:07

Tgt Ion: 43 Resp: 7396

Ion Ratio Lower Upper

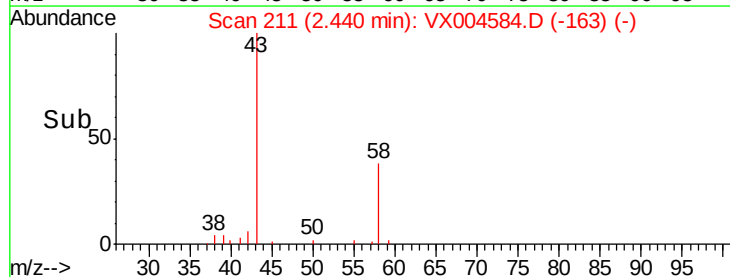
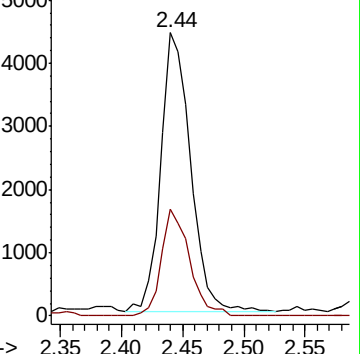
43 100

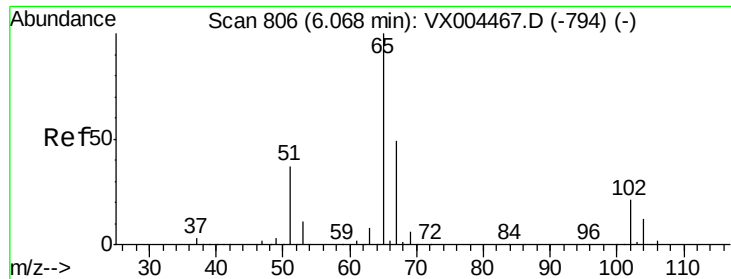
58 38.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

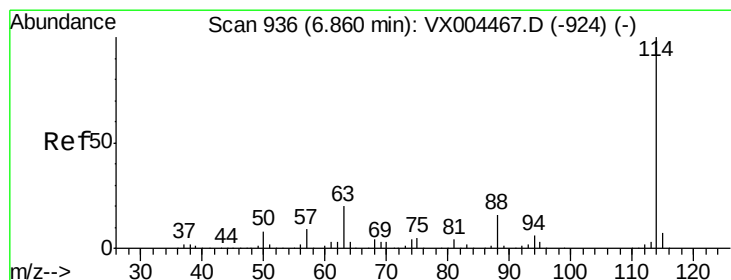
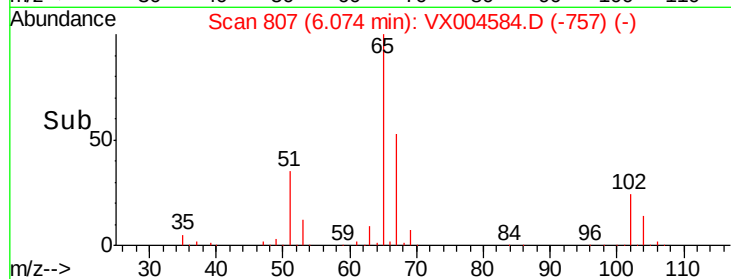
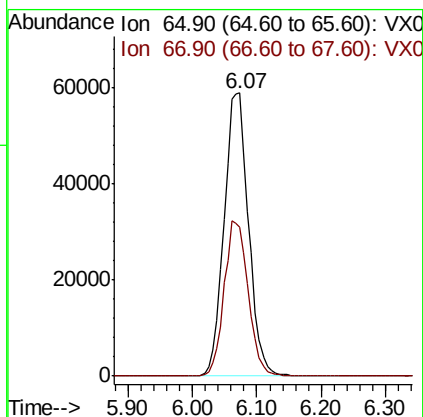
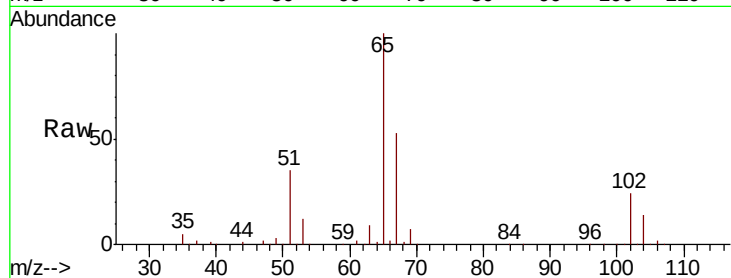




#33
 1,2-Dichloroethane-d4
 Concen: 47.17 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004584.D
 Acq: 15 Sep 2018 15:07

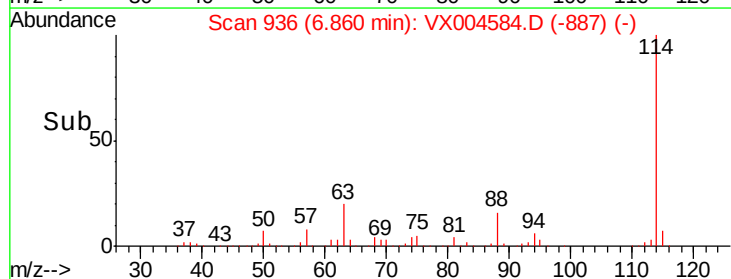
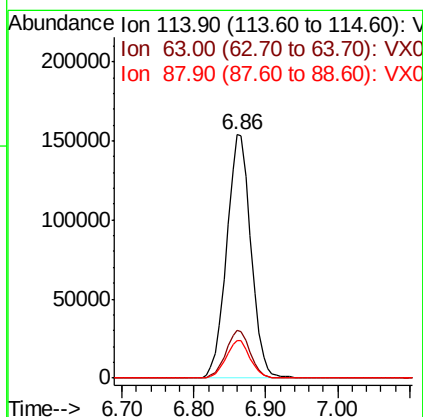
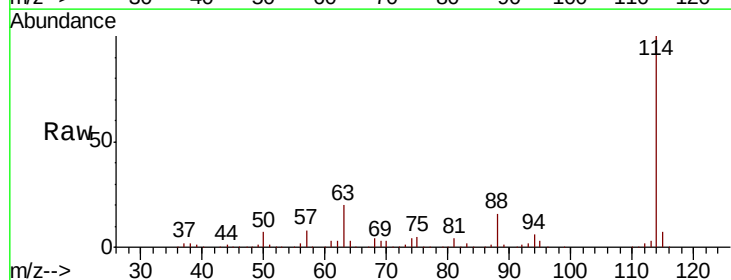
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0261

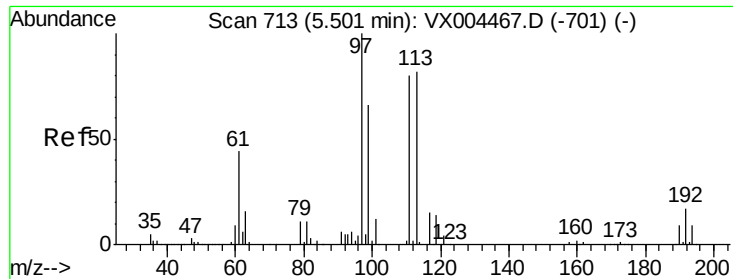
Tot Ion: 65 Resp: 157428
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004584.D
 Acq: 15 Sep 2018 15:07

Tgt Ion: 114 Resp: 361999
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.6 0.0 30.4

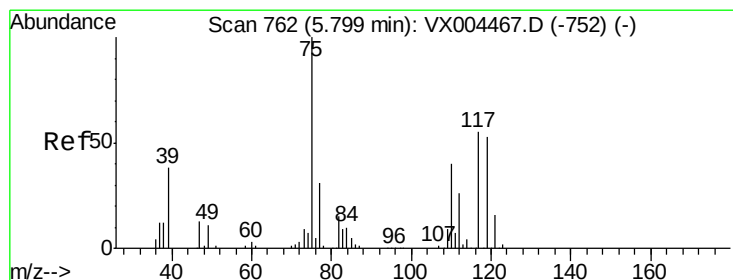
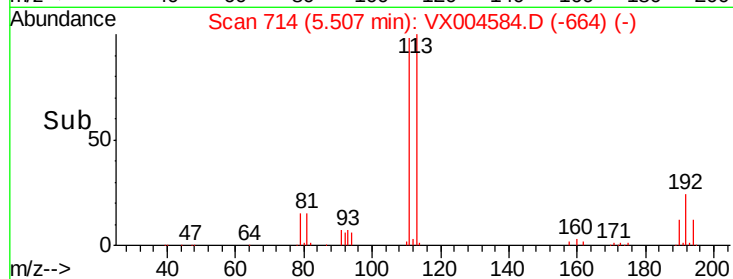
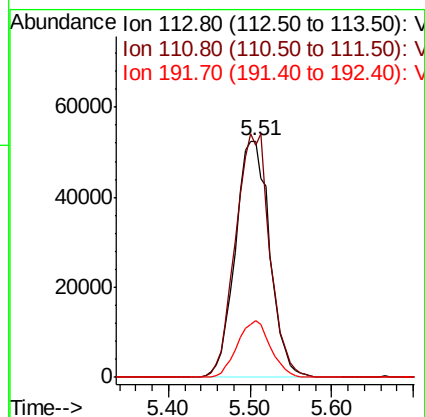
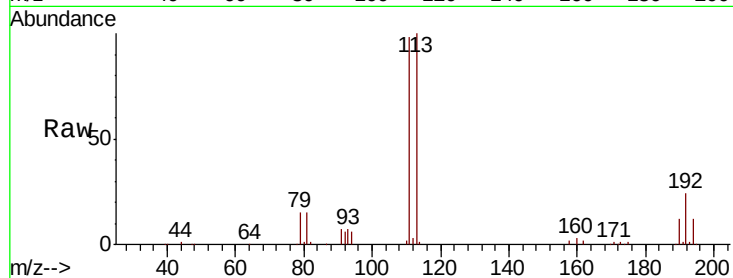




#35
 Dibromofluoromethane
 Concen: 46.25 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004584.D
 Acq: 15 Sep 2018 15:07

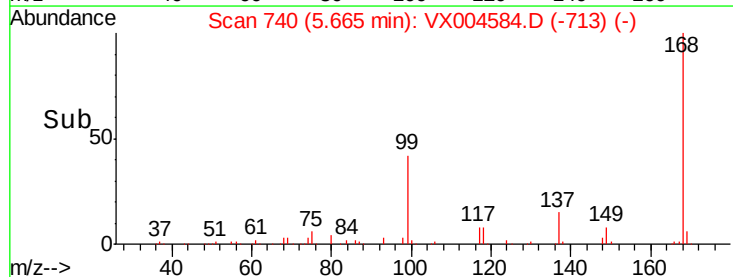
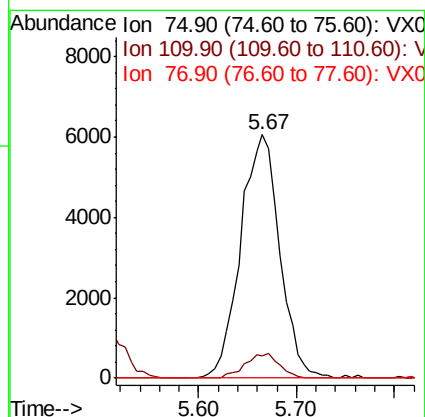
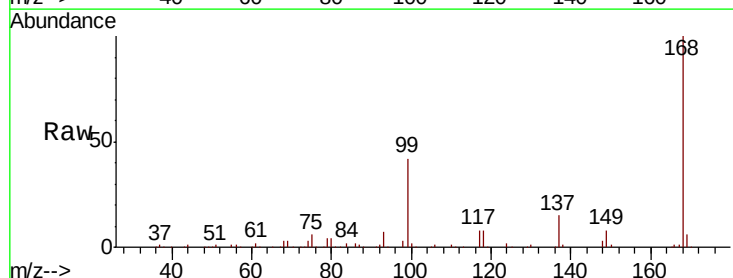
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0261

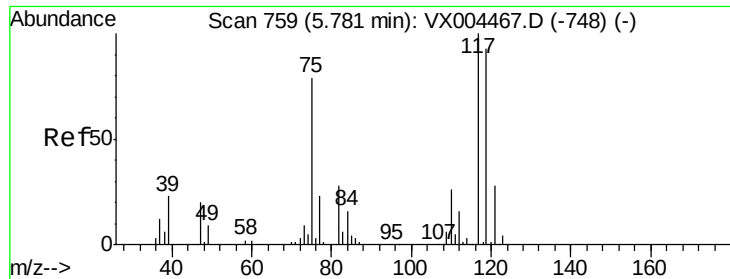
Tot Ion:113 Resp: 153210
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 23.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004584.D
 Acq: 15 Sep 2018 15:07

Tgt Ion: 75 Resp: 16773
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.11 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

Instrument :

MSVOA_X

ClientSampled :

S13-0261

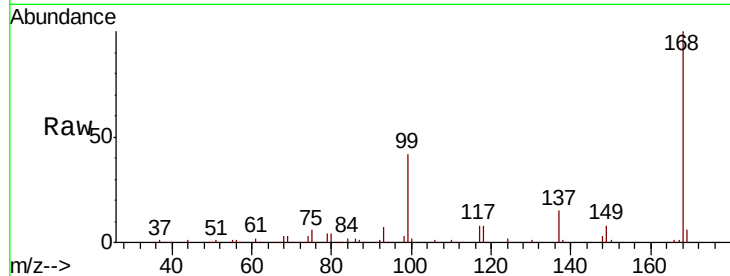
Tot Ion:117 Resp: 21931

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

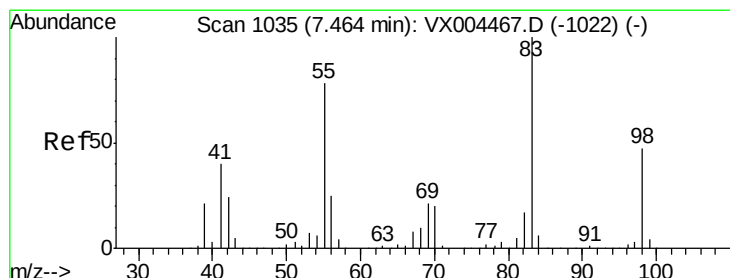
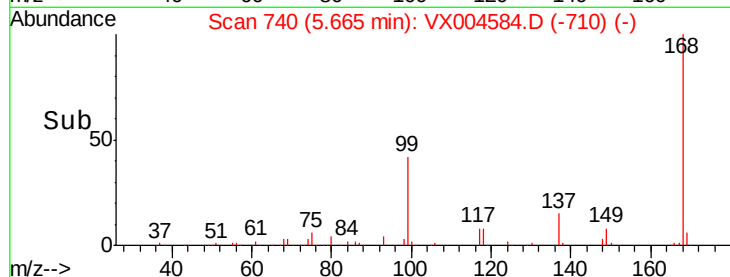
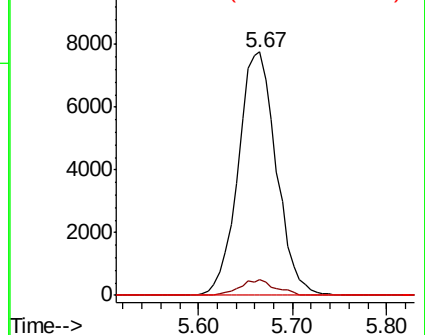
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 0.30 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

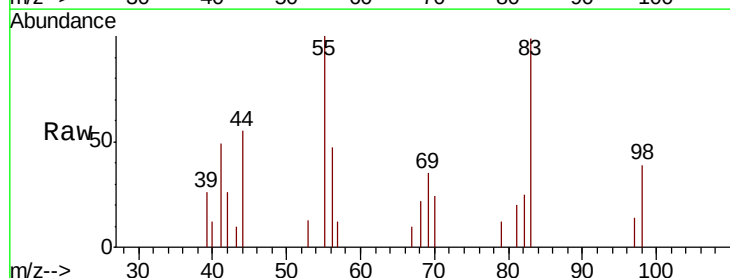
Tgt Ion: 83 Resp: 1372

Ion Ratio Lower Upper

83 100

55 100.9 61.0 91.4#

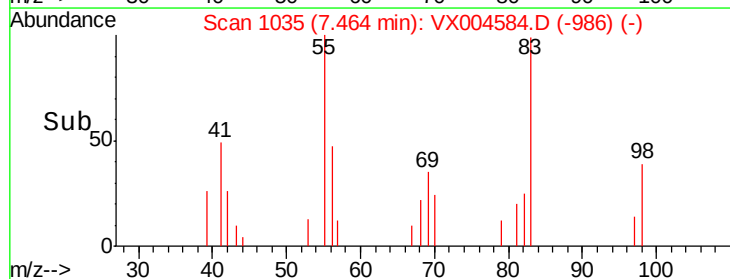
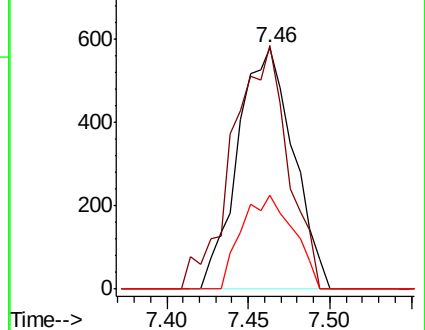
98 39.0 39.6 59.4#

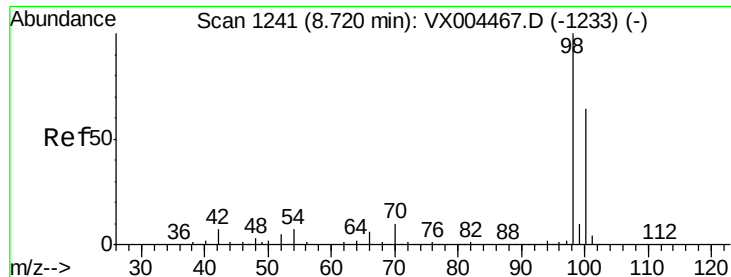


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 46.49 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

Instrument :

MSVOA_X

ClientSampleId :

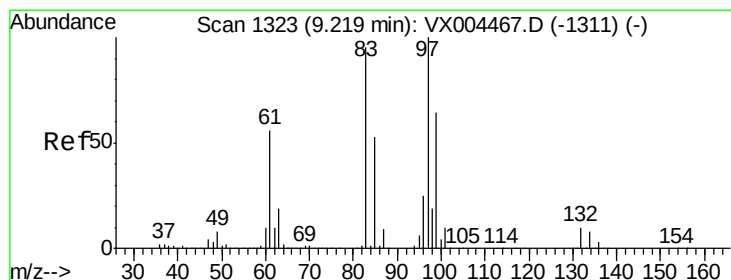
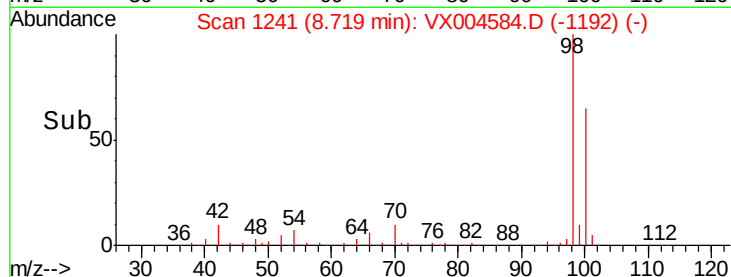
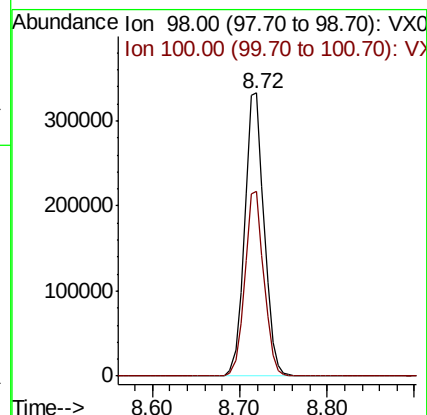
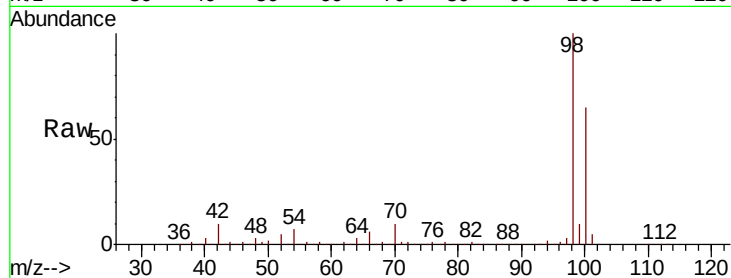
S13-0261

Tot Ion: 98 Resp: 516411

Ion Ratio Lower Upper

98 100

100 64.2 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 0.30 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.05 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

Tgt Ion: 97 Resp: 988

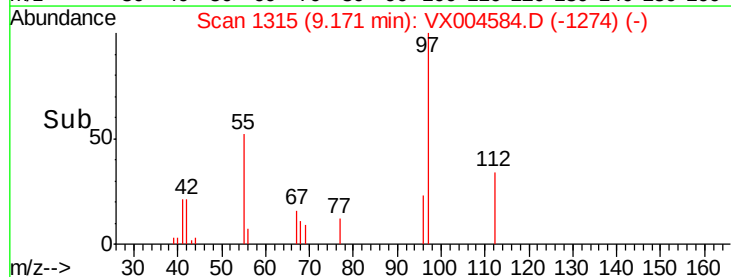
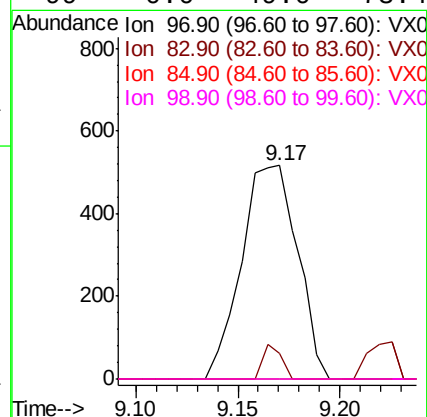
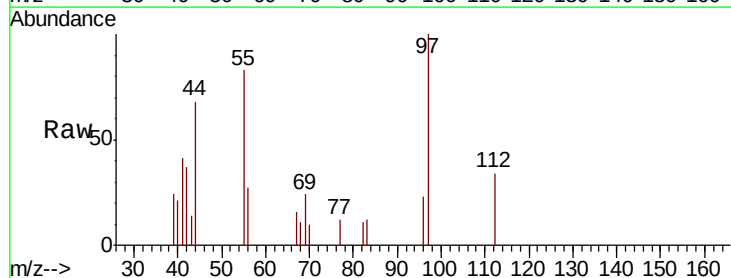
Ion Ratio Lower Upper

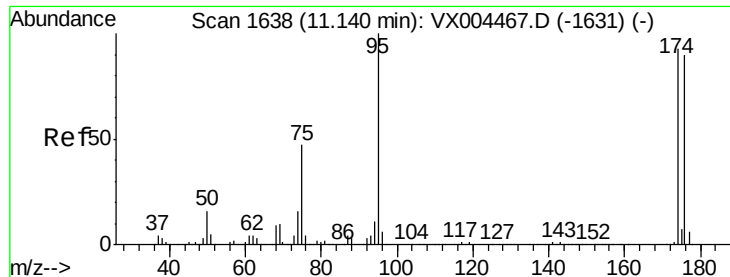
97 100

83 11.8 66.4 99.6#

85 0.0 43.3 64.9#

99 0.0 49.0 73.4#

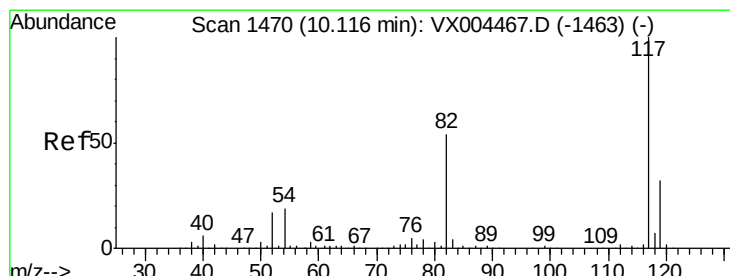
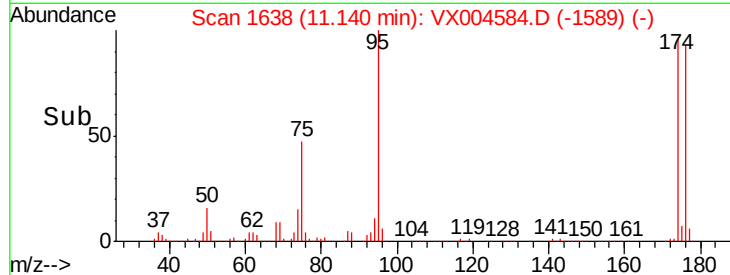
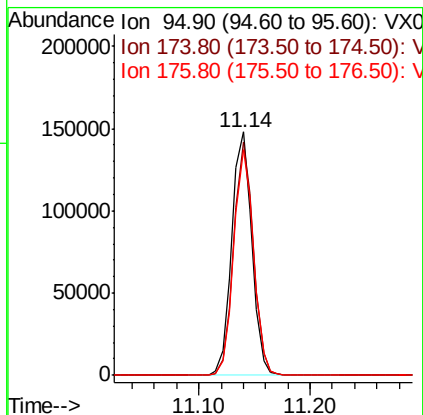
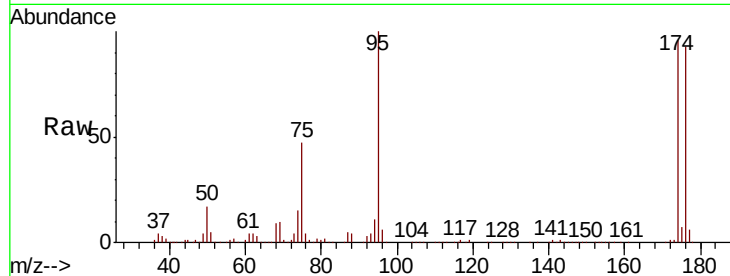




#62
4-Bromofluorobenzene
Concen: 46.69 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004584.D
Acq: 15 Sep 2018 15:07

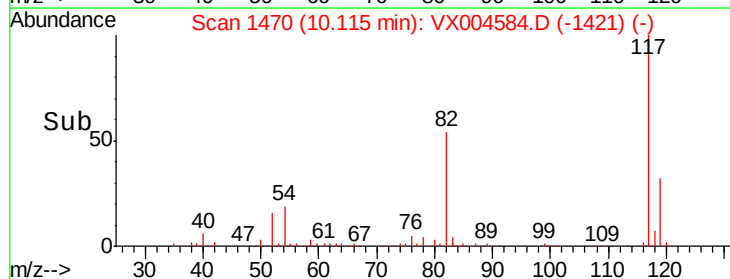
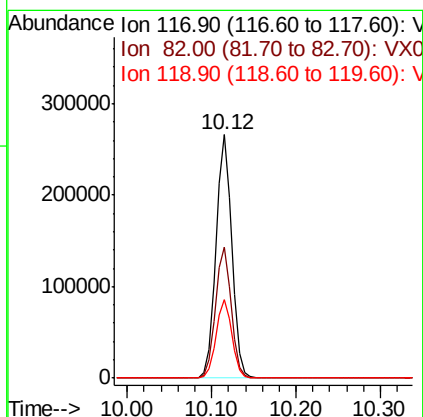
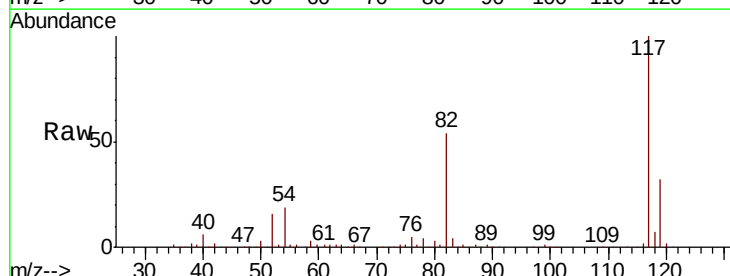
Instrument :
MSVOA_X
ClientSampleId :
S13-0261

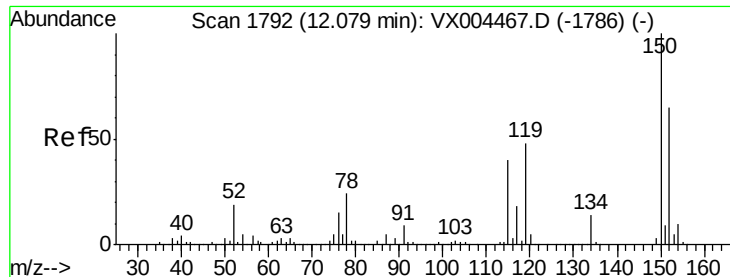
Tot Ion	95	Resp	185136
Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	185.2
176	91.2	0.0	178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004584.D
Acq: 15 Sep 2018 15:07

Tgt Ion	117	Resp	348006
Ion	Ratio	Lower	Upper
117	100		
82	53.6	47.8	71.6
119	32.4	29.3	43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

Instrument :

MSVOA_X

ClientSampleId :

S13-0261

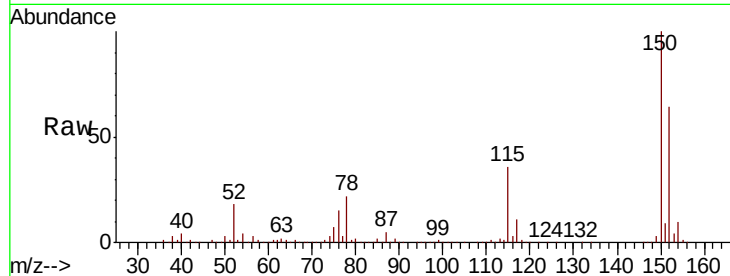
Tot Ion:152 Resp: 194919

Ion Ratio Lower Upper

152 100

115 55.0 39.0 117.0

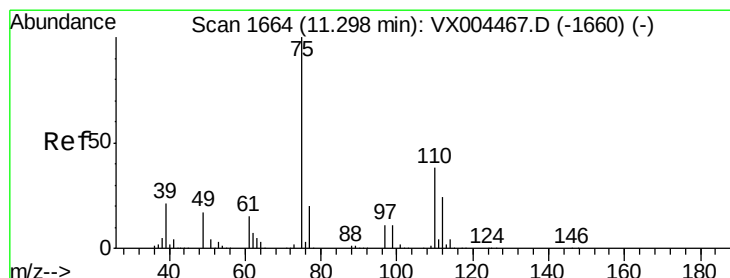
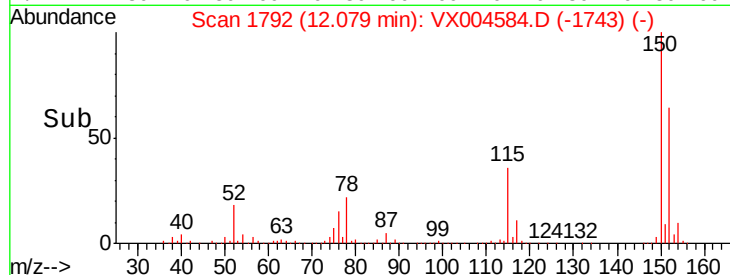
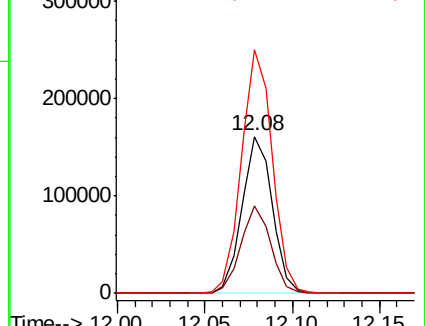
150 157.6 0.0 351.0



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: 22.15 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004584.D

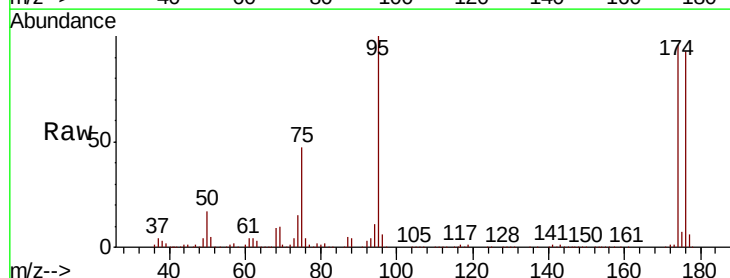
Acq: 15 Sep 2018 15:07

Tgt Ion: 75 Resp: 86845

Ion Ratio Lower Upper

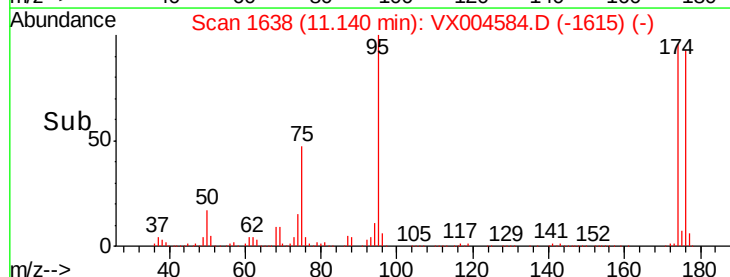
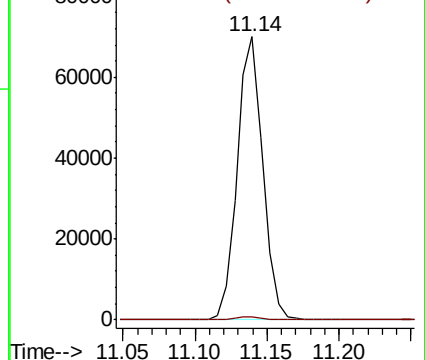
75 100

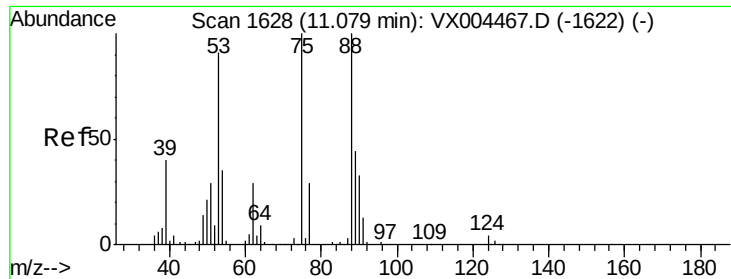
77 1.3 20.2 60.6#



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: 70.59 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004584.D

Acq: 15 Sep 2018 15:07

Instrument :

MSVOA_X

ClientSampleId :

S13-0261

Tot Ion: 75 Resp: 86845

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#

