

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004566.D
 Acq On : 15 Sep 2018 06:16
 Operator : JC/MD
 Sample : J4925-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0248

Quant Time: Sep 17 00:54:45 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	252701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178748	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	172993	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	5.51	113	152479	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	
50) Toluene-d8	8.72	98	526089	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
62) 4-Bromofluorobenzene	11.14	95	170662	42.26	ug/l	0.00
Spiked Amount			Recovery	=	84.52%	

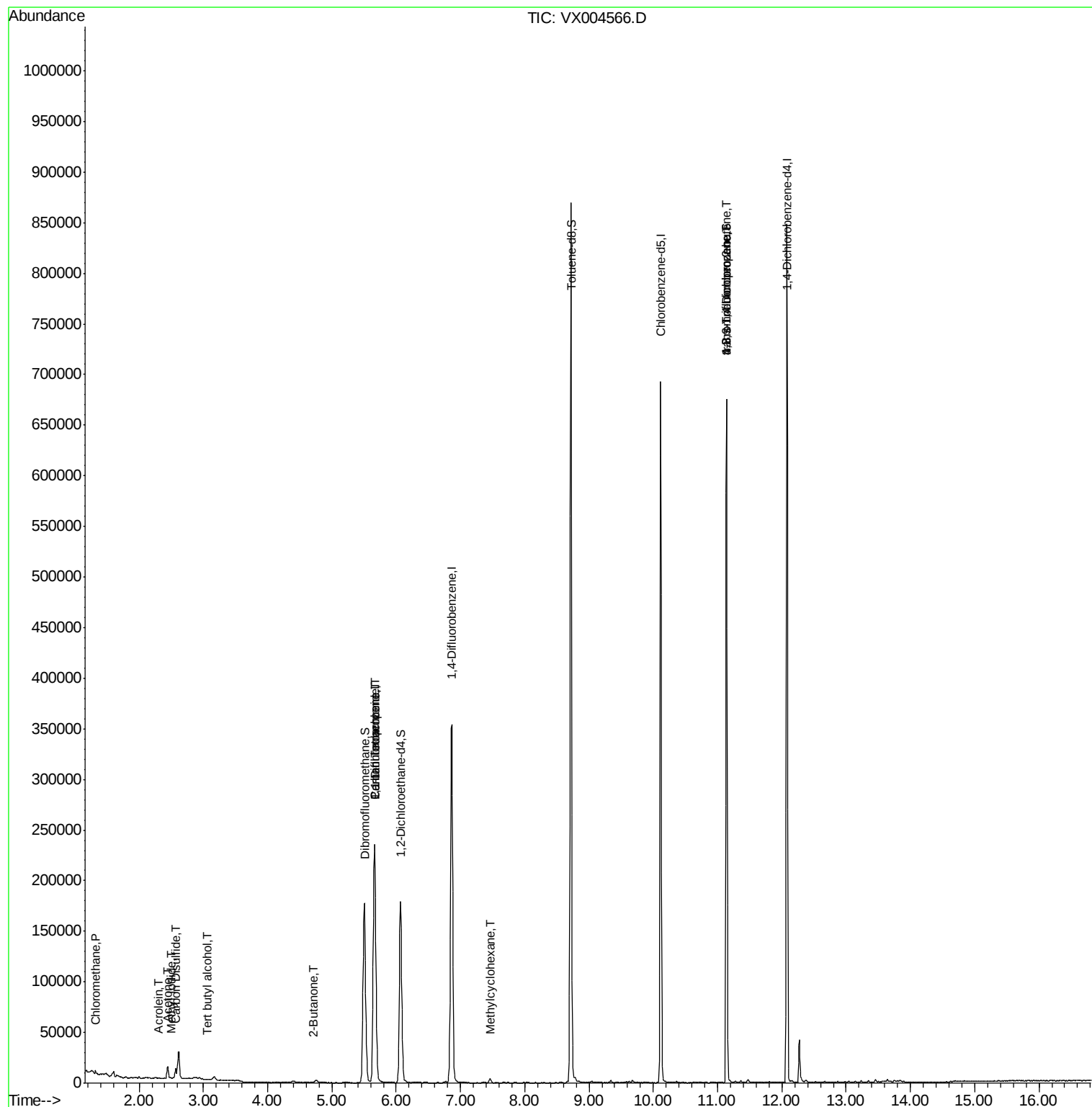
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2400	0.74	ug/l	94
5) Bromomethane	1.65	94	759	Below Cal	#	79
10) Methyl Iodide	2.51	142	211	4.31	ug/l	# 91
11) Tert butyl alcohol	3.07	59	666	0.86	ug/l	# 72
13) Acrolein	2.29	56	145	0.47	ug/l	# 1
16) Acetone	2.45	43	12514	7.87	ug/l	95
17) Carbon Disulfide	2.57	76	12680	1.66	ug/l	99
25) 2-Butanone	4.71	43	1560	0.62	ug/l	92
36) 1,1-Dichloropropene	5.67	75	16361	3.66	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	21545	4.93	ug/l	# 16
39) Methylcyclohexane	7.46	83	1693	0.36	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	80496	22.38	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	80496	71.35	ug/l	# 10

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

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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: VX004566.D

Acq: 15 Sep 2018 06:16

Instrument :

MSVOA_X

ClientSampleId :

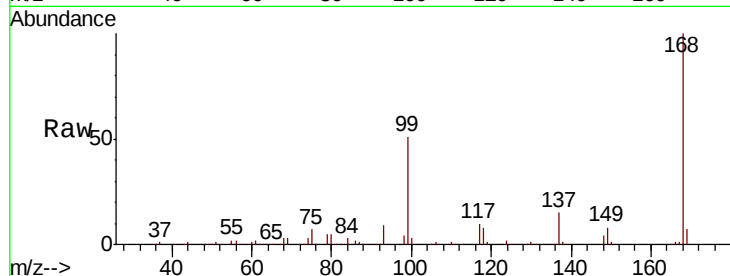
S13-0248

Tot Ion:168 Resp: 252701

Ion Ratio Lower Upper

168 100

99 50.5 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

80000

60000

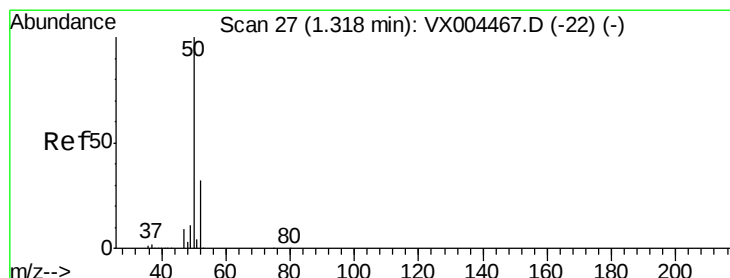
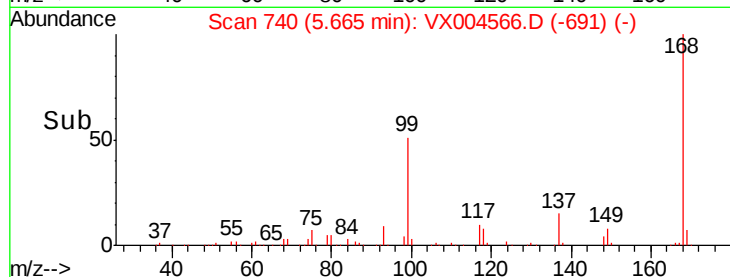
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.74 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004566.D

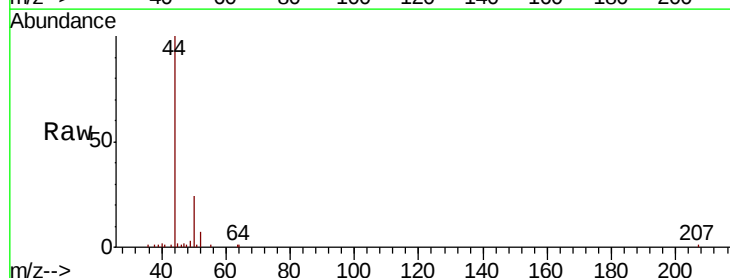
Acq: 15 Sep 2018 06:16

Tgt Ion: 50 Resp: 2400

Ion Ratio Lower Upper

50 100

52 29.1 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

2500

2000

1500

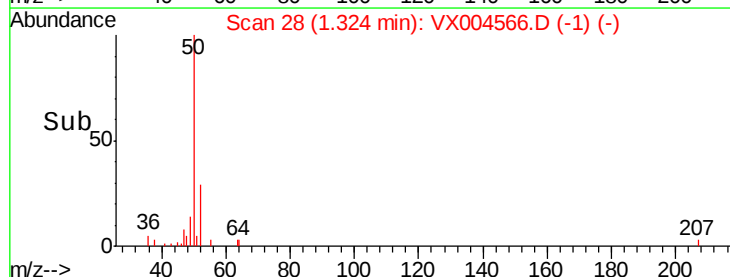
1000

500

0

1.30 1.35 1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004566.D

Acq: 15 Sep 2018 06:16

Instrument :

MSVOA_X

ClientSampleId :

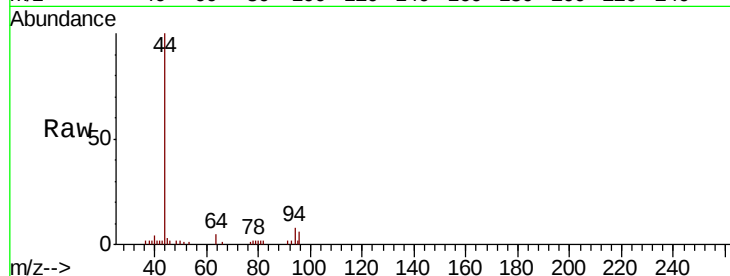
S13-0248

Tot Ion: 94 Resp: 759

Ion Ratio Lower Upper

94 100

96 72.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

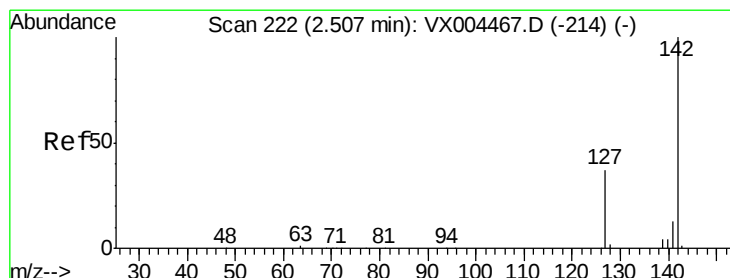
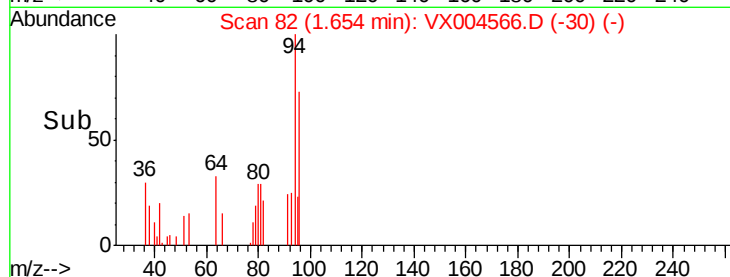
200

100

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 4.31 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004566.D

Acq: 15 Sep 2018 06:16

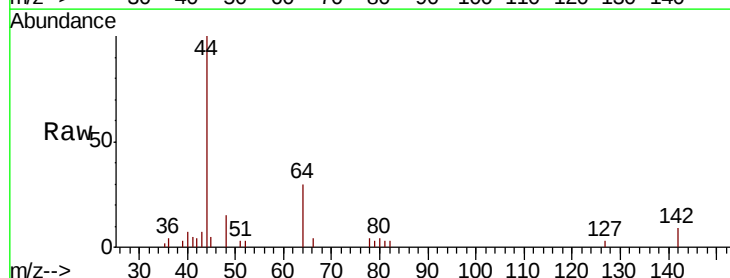
Tgt Ion: 142 Resp: 211

Ion Ratio Lower Upper

142 100

127 37.0 33.8 50.6

141 9.0 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

250

200

150

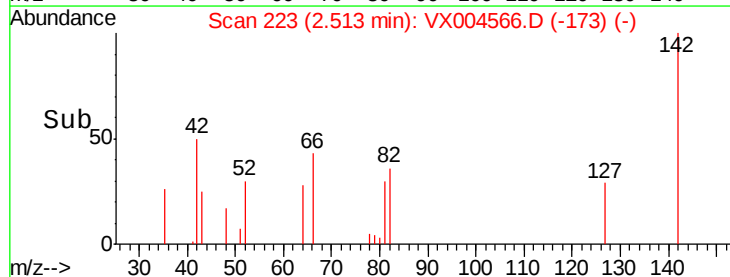
100

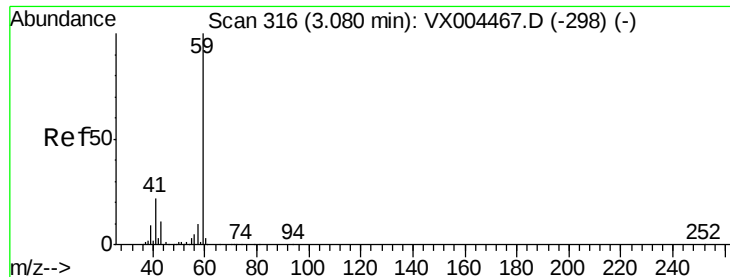
50

0

2.48 2.50 2.52

Time-->



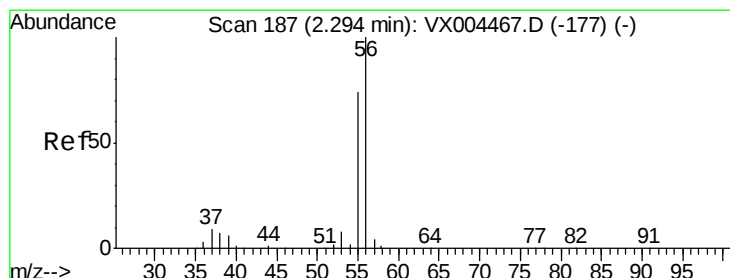
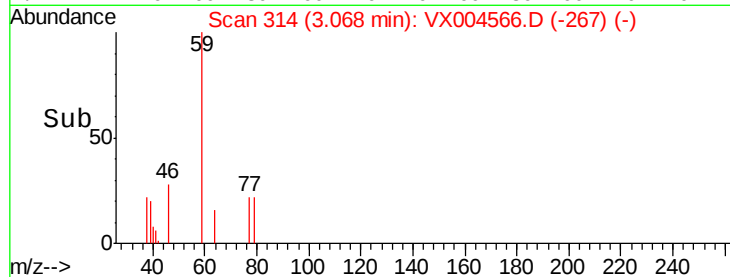
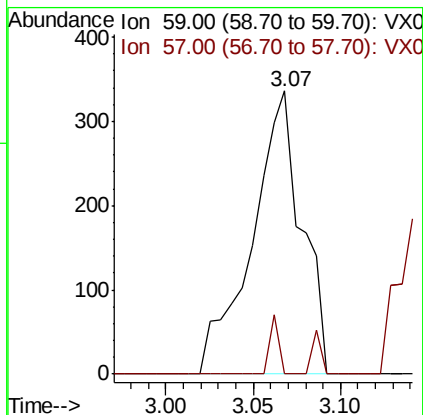
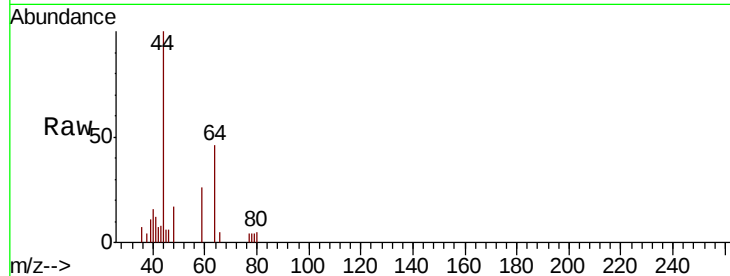


#11

Tert butyl alcohol
 Concen: 0.86 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004566.D
 Acq: 15 Sep 2018 06:16

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0248

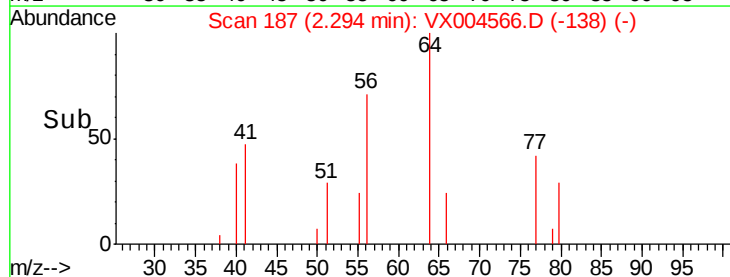
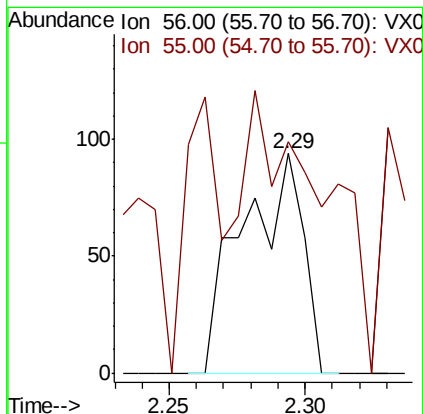
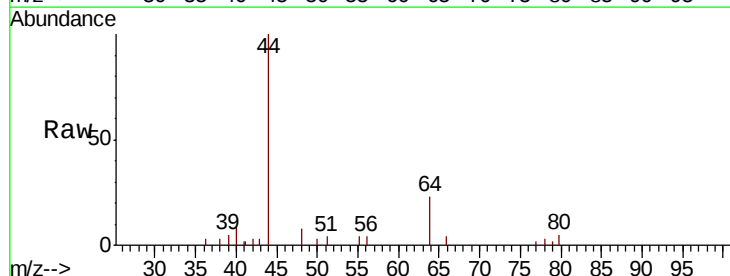
Tot Ion: 59 Resp: 666
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

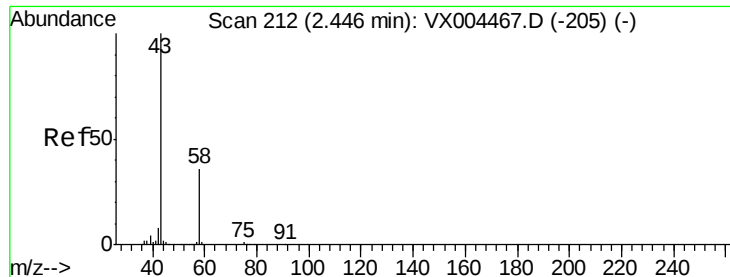


#13

Acrolein
 Concen: 0.47 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX004566.D
 Acq: 15 Sep 2018 06:16

Tgt Ion: 56 Resp: 145
 Ion Ratio Lower Upper
 56 100
 55 155.2 54.7 82.1#





#16

Acetone

Concen: 7.87 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004566.D

Acq: 15 Sep 2018 06:16

Instrument :

MSVOA_X

ClientSampleId :

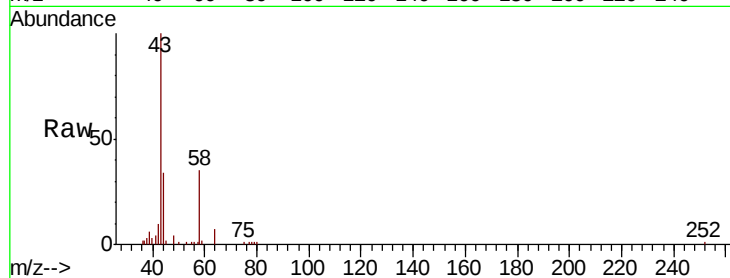
S13-0248

Tot Ion: 43 Resp: 12514

Ion Ratio Lower Upper

43 100

58 35.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

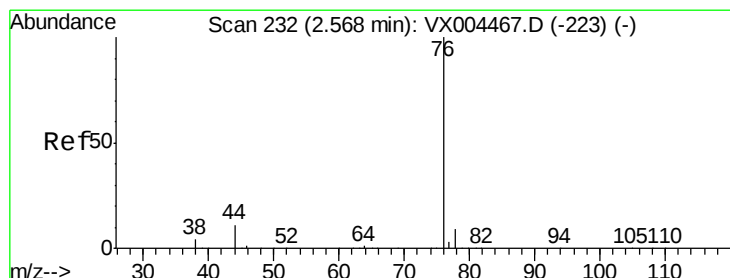
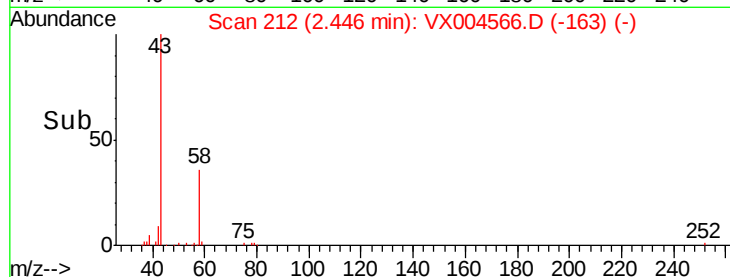
6000

4000

2000

0

Time--> 2.30 2.40 2.50



#17

Carbon Disulfide

Concen: 1.66 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004566.D

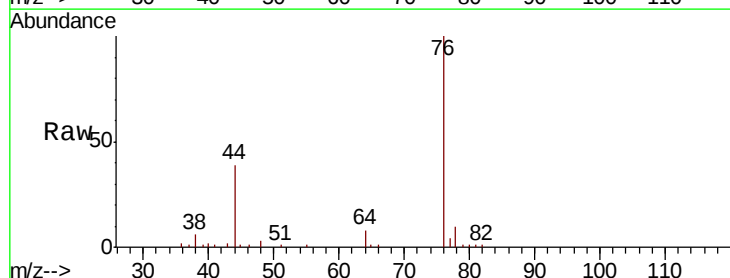
Acq: 15 Sep 2018 06:16

Tgt Ion: 76 Resp: 12680

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

8000

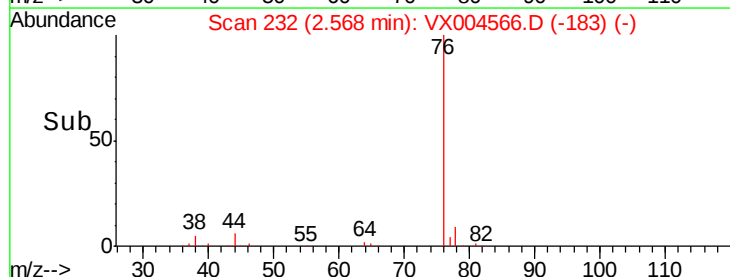
6000

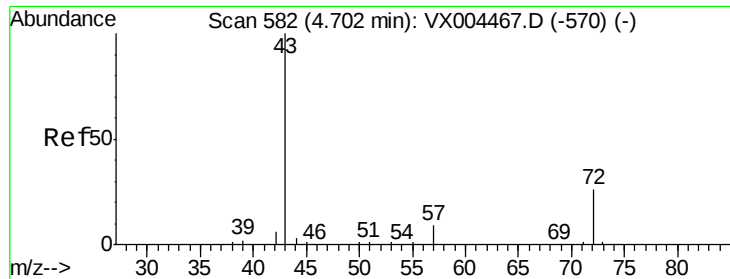
4000

2000

0

Time--> 2.50 2.55 2.60 2.65





#25

2-Butanone

Concen: 0.62 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004566.D

Acq: 15 Sep 2018 06:16

Instrument :

MSVOA_X

ClientSampleId :

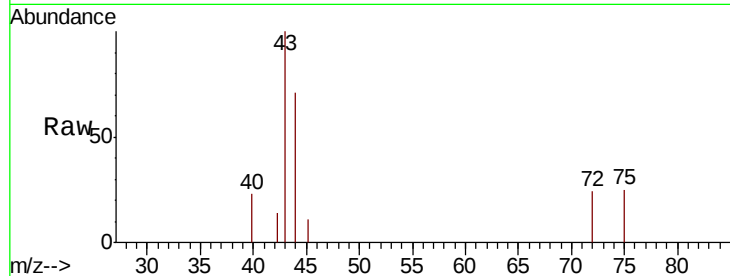
S13-0248

Tot Ion: 43 Resp: 1560

Ion Ratio Lower Upper

43 100

72 23.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

600

500

400

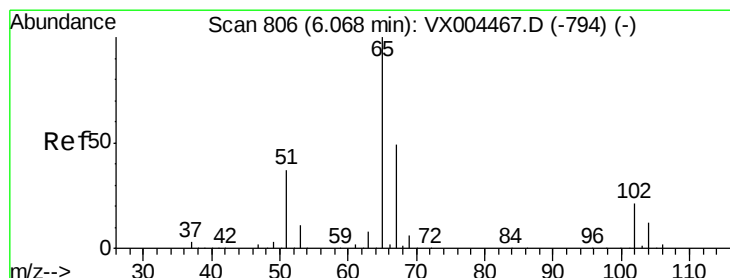
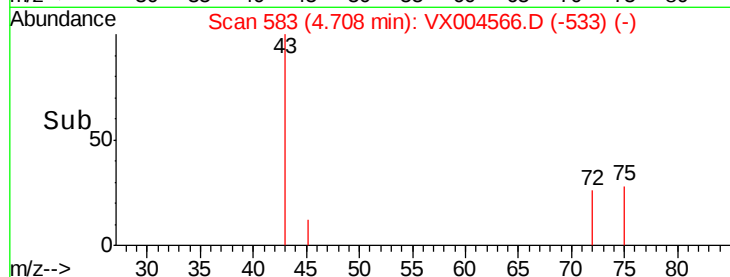
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.09 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004566.D

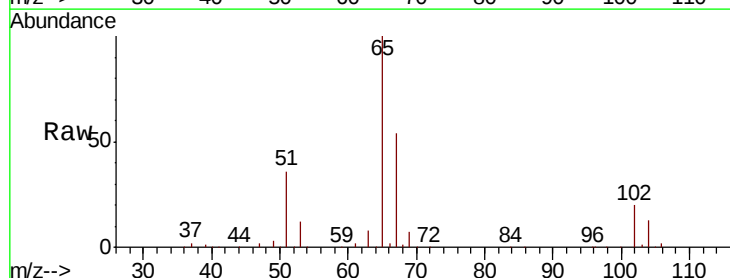
Acq: 15 Sep 2018 06:16

Tgt Ion: 65 Resp: 172993

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

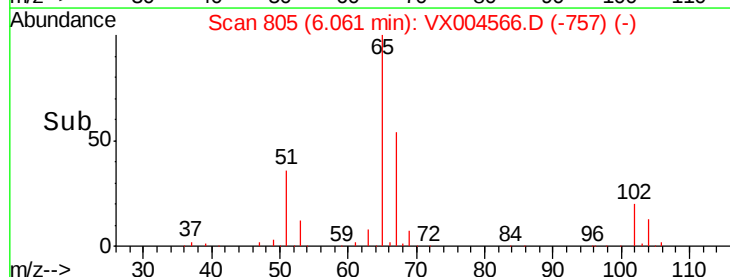
60000

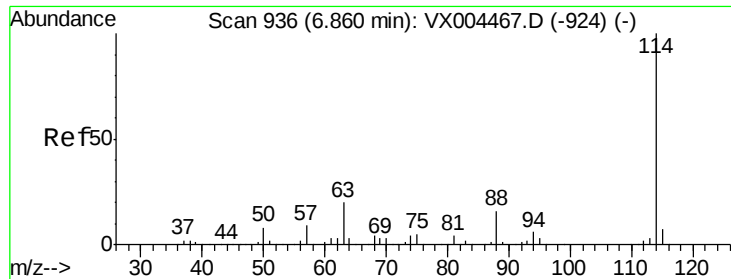
40000

20000

0

Time-->

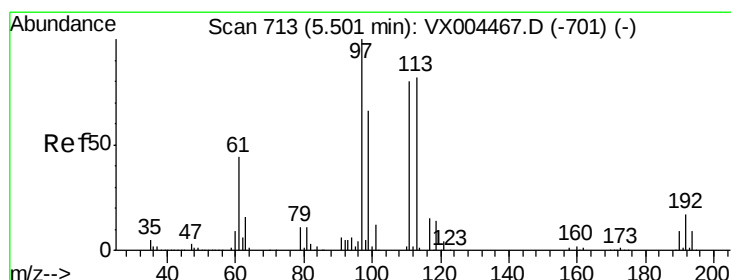
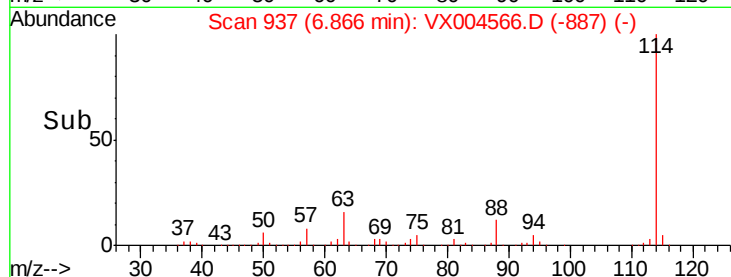
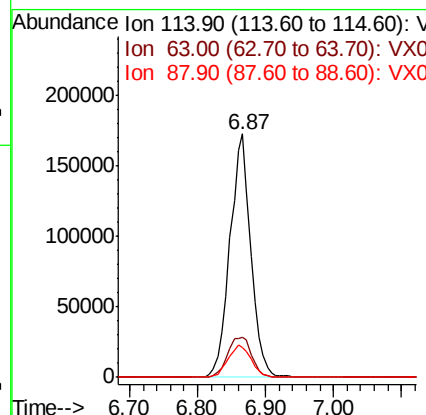
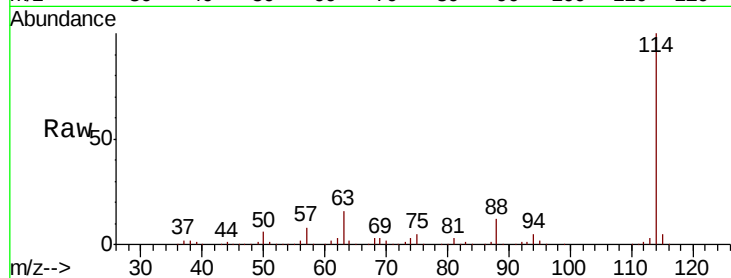




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004566.D
 Acq: 15 Sep 2018 06:16

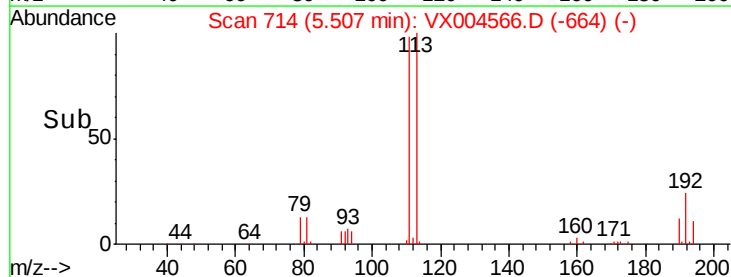
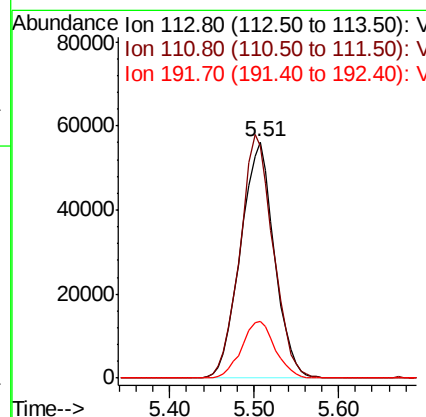
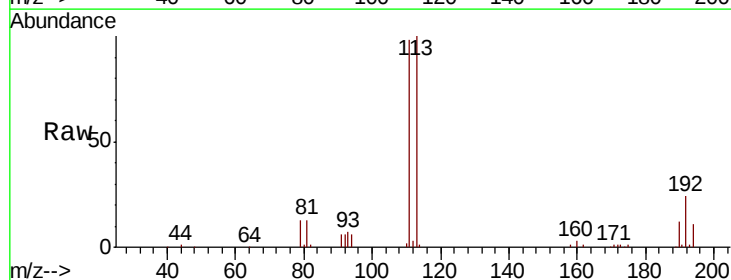
Instrument :
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 ClientSampleId :
 S13-0248

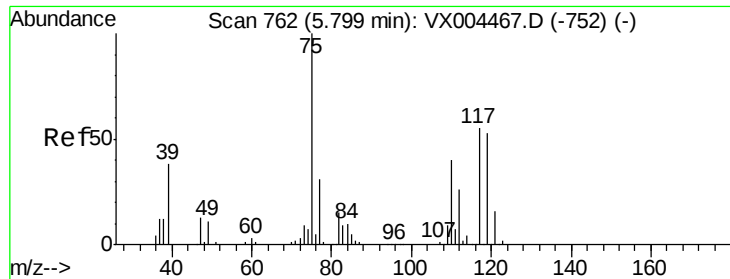
Tot Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	39.0
88	12.3	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 45.20 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004566.D
 Acq: 15 Sep 2018 06:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.4	123.6
192	23.9	19.4	29.2

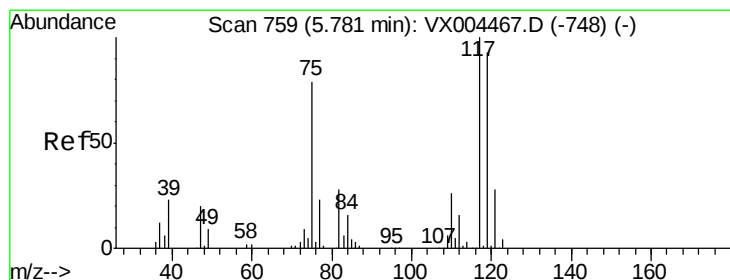
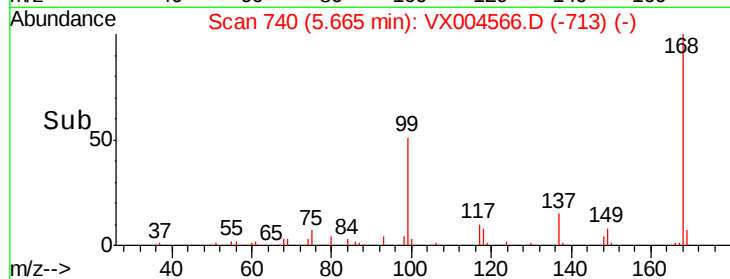
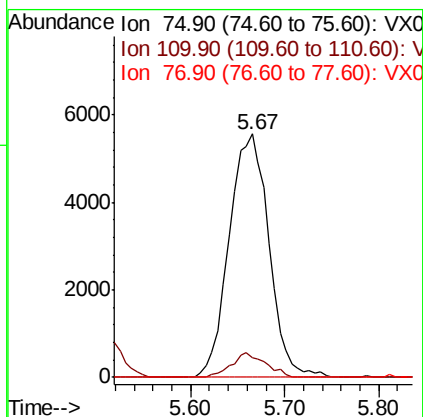
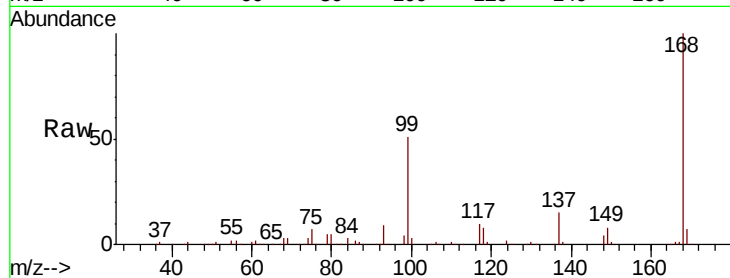




#36
 1,1-Dichloropropene
 Concen: 3.66 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004566.D
 Acq: 15 Sep 2018 06:16

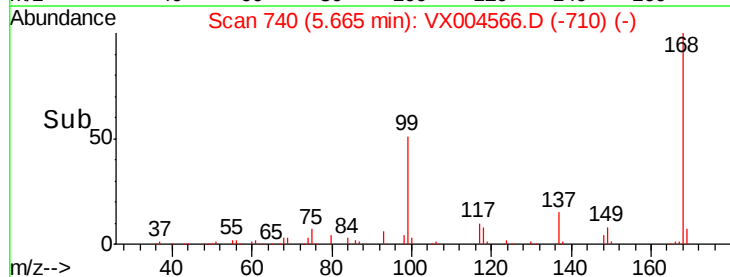
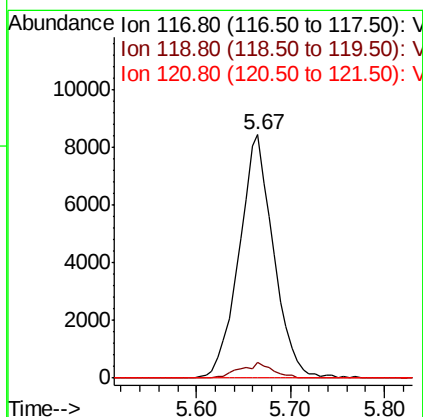
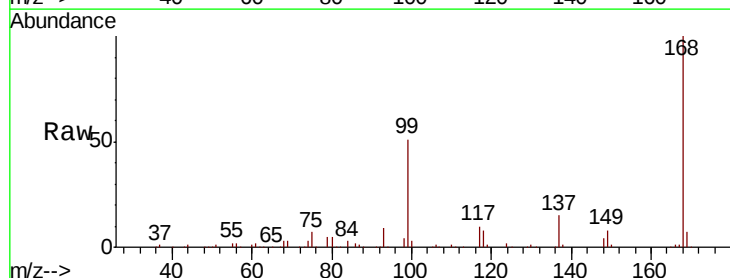
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0248

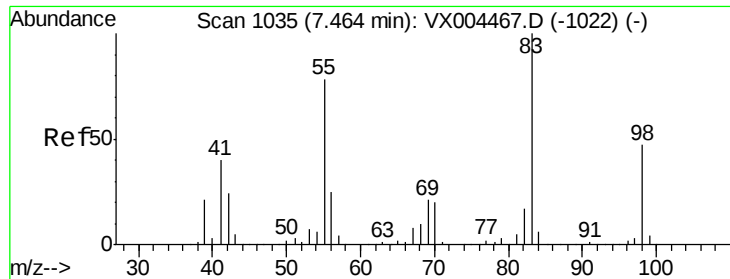
Tot Ion	75	Resp	16361
Ion Ratio	Lower	Upper	
75	100		
110	8.6	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.93 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004566.D
 Acq: 15 Sep 2018 06:16

Tgt Ion	117	Resp	21545
Ion Ratio	Lower	Upper	
117	100		
119	6.4	78.8	118.2#
121	0.0	24.9	37.3#

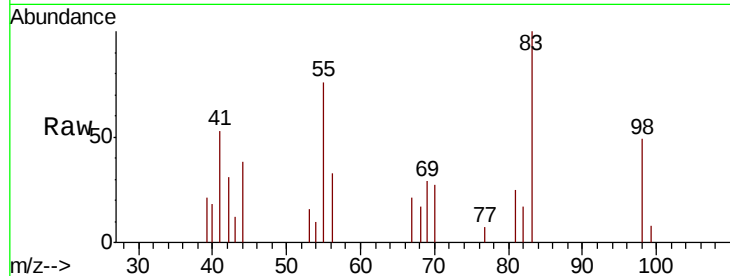




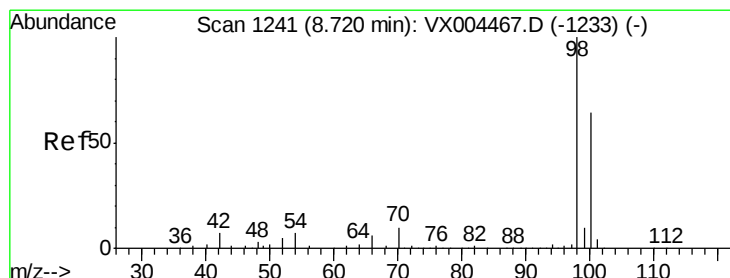
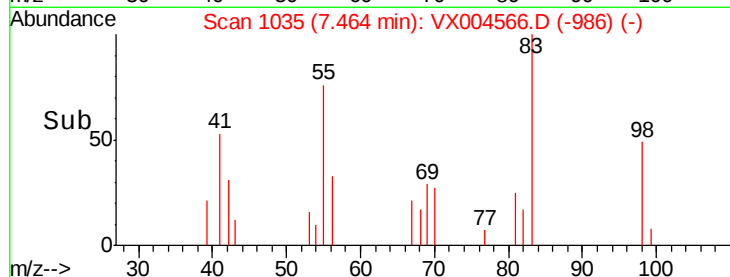
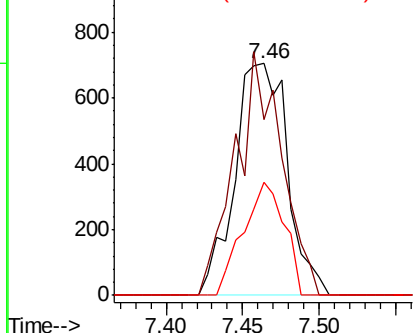
#39
Methvlcvclohexane
Concen: 0.36 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004566.D
Acq: 15 Sep 2018 06:16

Instrument :
MSVOA_X
ClientSampled :
S13-0248

Tot Ion: 83 Resp: 1693
Ion Ratio Lower Upper
83 100
55 75.9 61.0 91.4
98 48.8 39.6 59.4

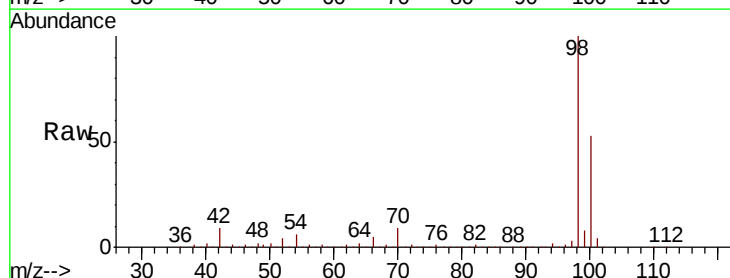


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

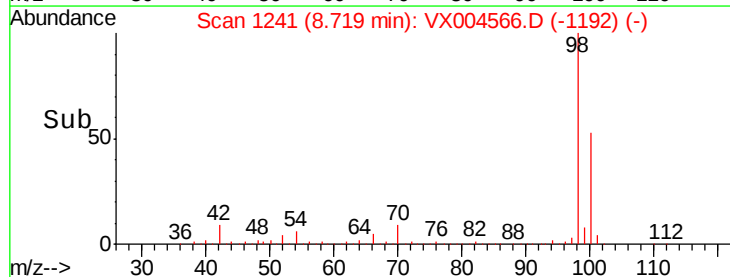
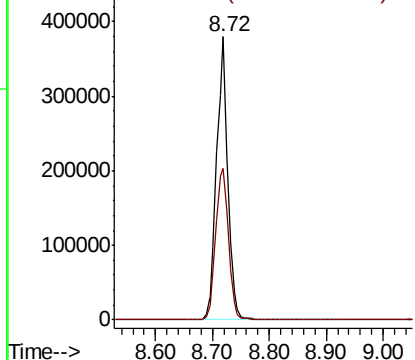


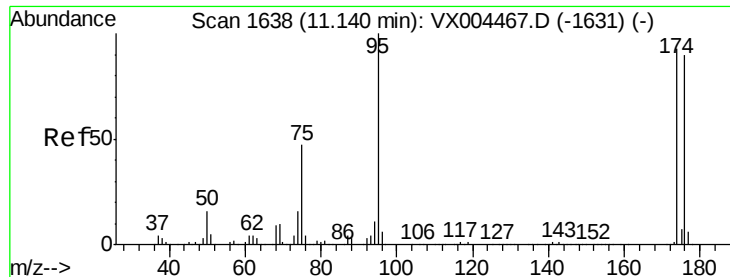
#50
Toluene-d8
Concen: 46.50 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004566.D
Acq: 15 Sep 2018 06:16

Tgt Ion: 98 Resp: 526089
Ion Ratio Lower Upper
98 100
100 60.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

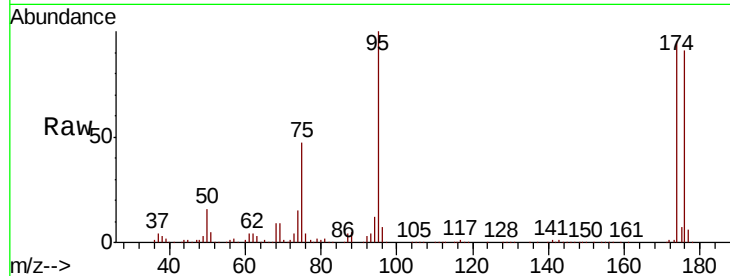




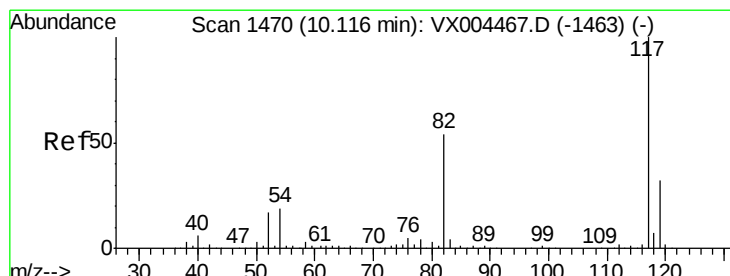
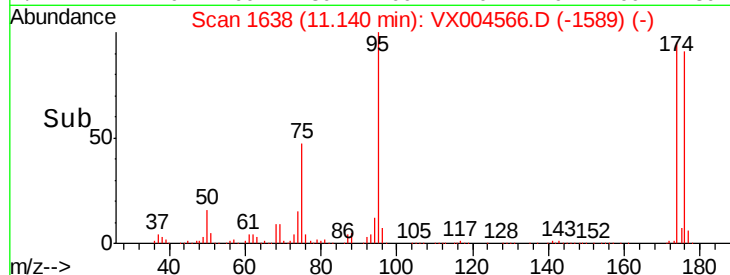
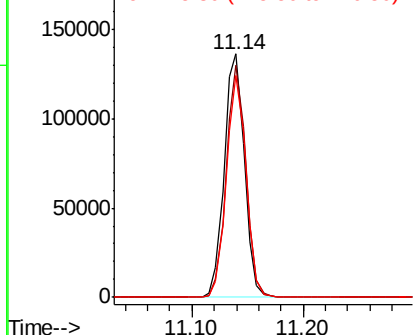
#62
4-Bromofluorobenzene
Concen: 42.26 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004566.D
Acq: 15 Sep 2018 06:16

Instrument :
MSVOA_X
ClientSampleId :
S13-0248

Tot Ion: 95 Resp: 170662
Ion Ratio Lower Upper
95 100
174 93.0 0.0 185.2
176 89.1 0.0 178.6

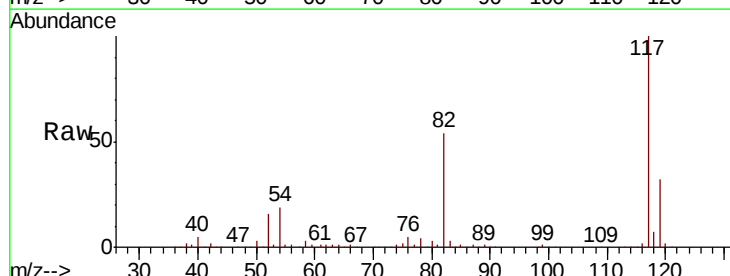


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

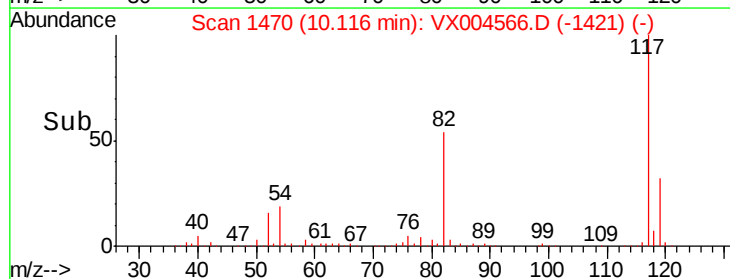
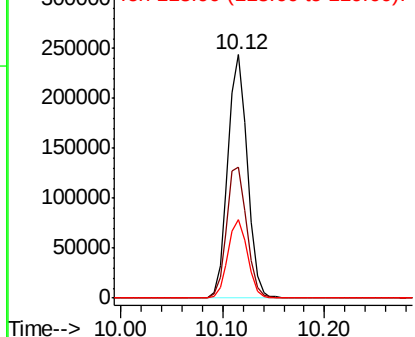


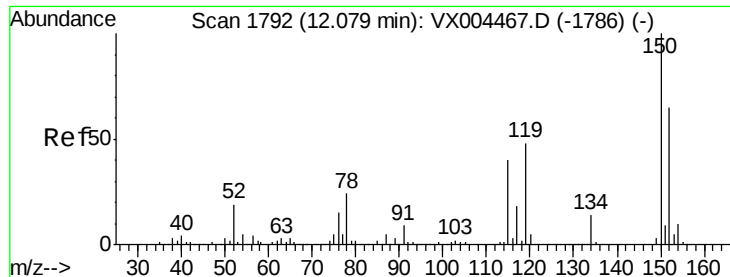
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004566.D
Acq: 15 Sep 2018 06:16

Tgt Ion: 117 Resp: 322434
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 32.4 29.3 43.9



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: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004566.D

Acq: 15 Sep 2018 06:16

Instrument :

MSVOA_X

ClientSampleId :

S13-0248

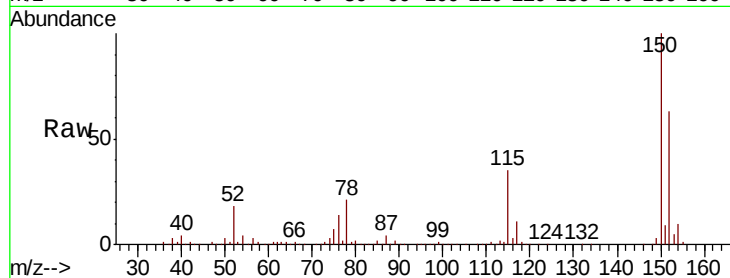
Tot Ion:152 Resp: 178748

Ion Ratio Lower Upper

152 100

115 55.8 39.0 117.0

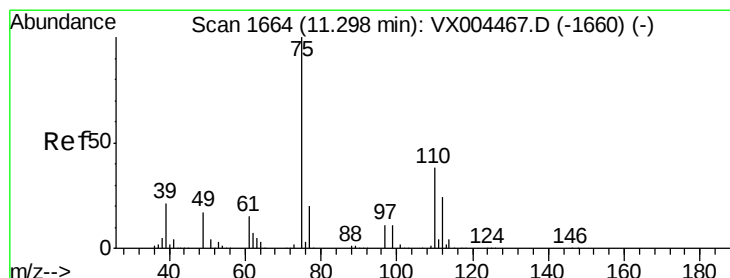
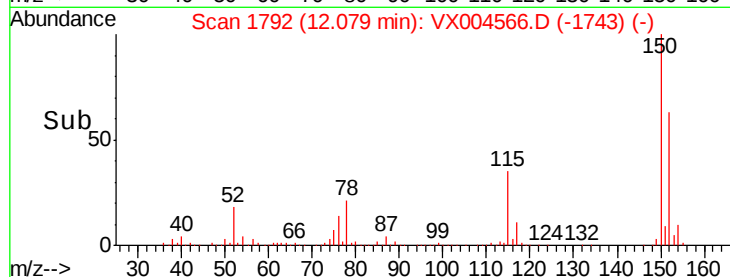
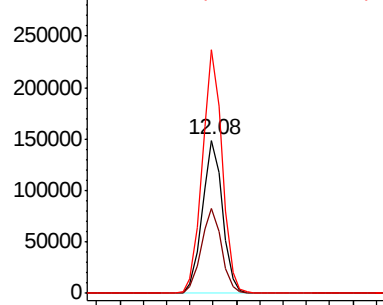
150 157.4 0.0 351.0



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: 22.38 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004566.D

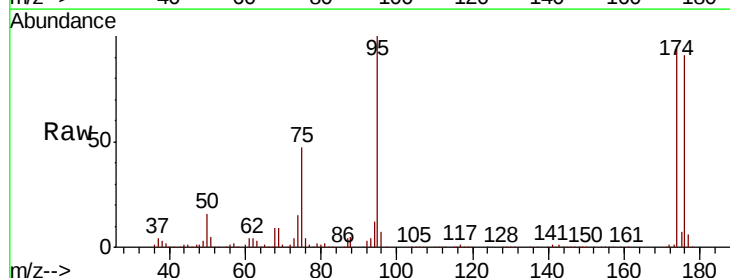
Acq: 15 Sep 2018 06:16

Tgt Ion: 75 Resp: 80496

Ion Ratio Lower Upper

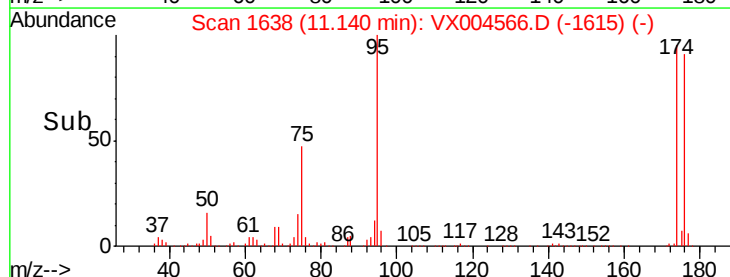
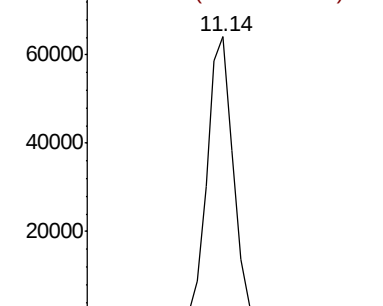
75 100

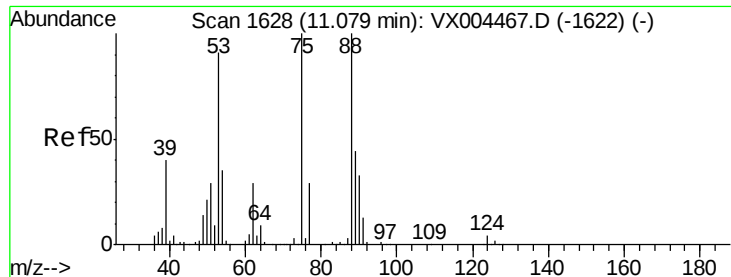
77 1.4 20.2 60.6#



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: 71.35 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004566.D

Acq: 15 Sep 2018 06:16

Instrument :

MSVOA_X

ClientSampleId :

S13-0248

Tot Ion: 75 Resp: 80496

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#

