

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005672.D
 Acq On : 29 Oct 2018 20:31
 Operator : JC/MD
 Sample : J5692-06RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ140I-20181024

Quant Time: Oct 30 02:02:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	273551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	402369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189351	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	155586	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	
35) Dibromofluoromethane	5.49	113	133882	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	8.71	98	463116	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
62) 4-Bromofluorobenzene	11.14	95	162301	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	

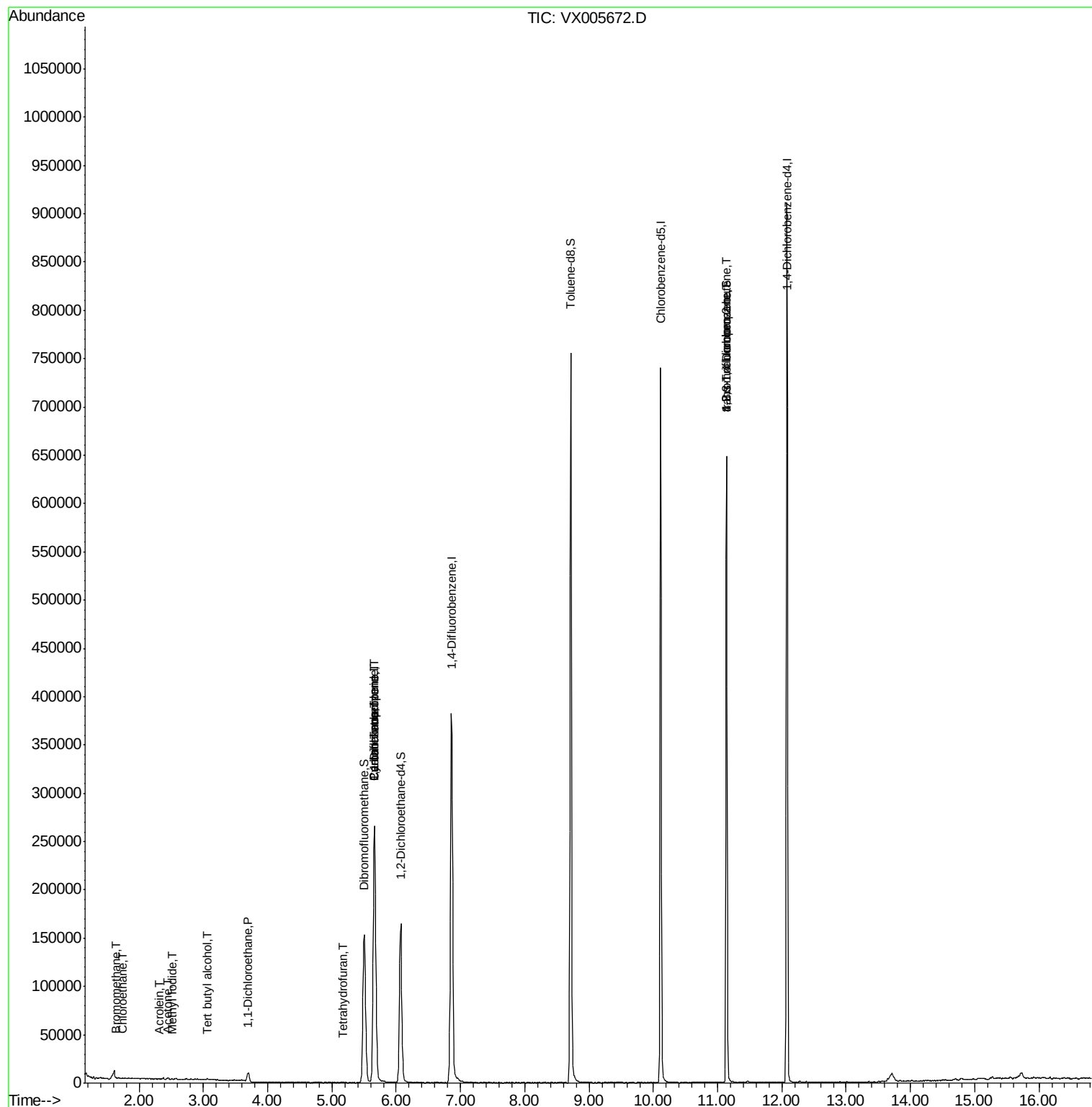
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	500	0.238	ug/l	90
6) Chloroethane	1.74	64	2379	1.101	ug/l #	50
10) Methyl Iodide	2.51	142	286	2.821	ug/l #	76
11) Tert butyl alcohol	3.07	59	1051	1.170	ug/l #	77
13) Acrolein	2.31	56	176	0.384	ug/l #	49
16) Acetone	2.45	43	659	0.373	ug/l	95
18) Methyl Acetate	2.77	43	356	Below Cal	#	81
24) 1,1-Dichloroethane	3.70	63	9328	1.714	ug/l	99
29) Tetrahydrofuran	5.17	42	396	0.226	ug/l #	42
31) Cyclohexane	5.66	56	4859	1.079	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18449	4.725	ug/l #	49
38) Carbon Tetrachloride	5.66	117	23680	5.758	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	77377	19.287	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	77377	63.020	ug/l #	9

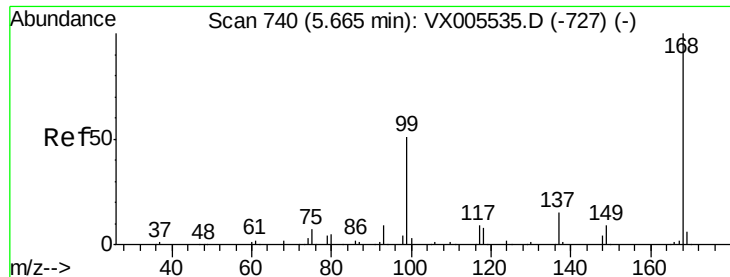
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

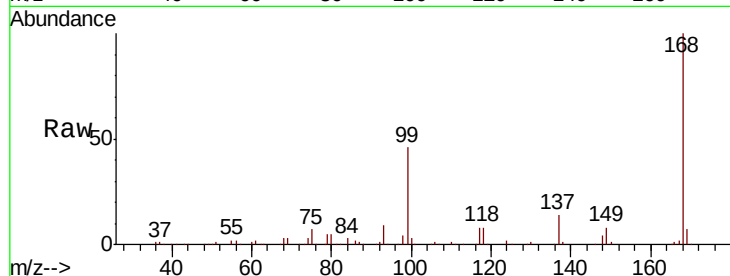
SA-PZ140I-20181024

Tot Ion:168 Resp: 273551

Ion Ratio Lower Upper

168 100

99 46.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

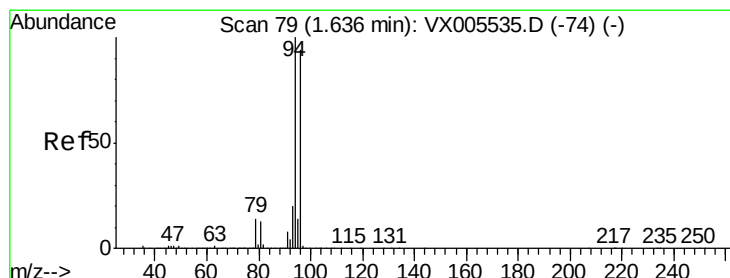
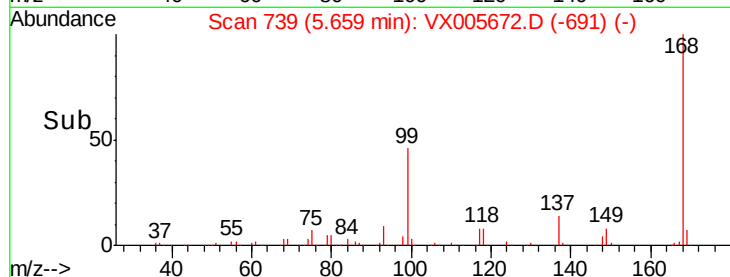
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.238 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005672.D

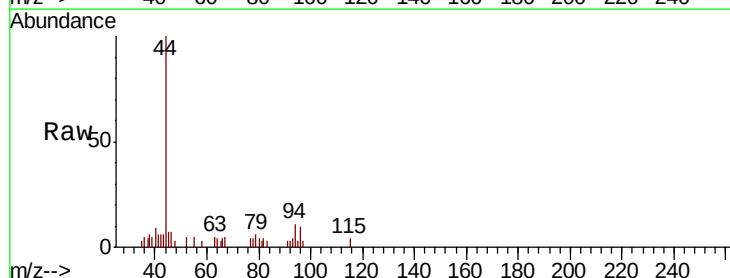
Acq: 29 Oct 2018 20:31

Tgt Ion: 94 Resp: 500

Ion Ratio Lower Upper

94 100

96 84.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

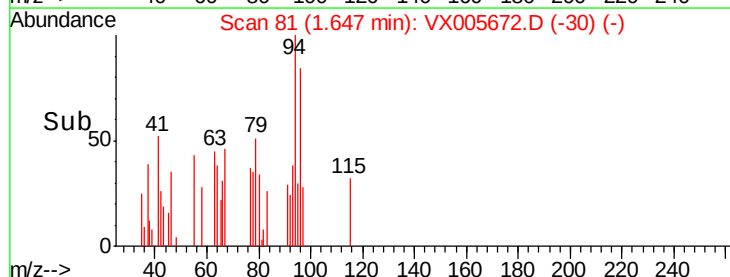
100

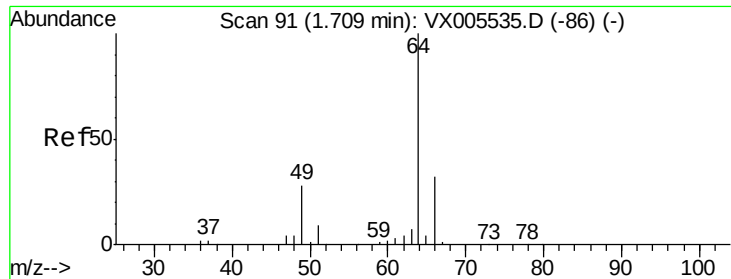
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 1.101 ug/l

RT: 1.74 min Scan# 97

Delta R.T. 0.04 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

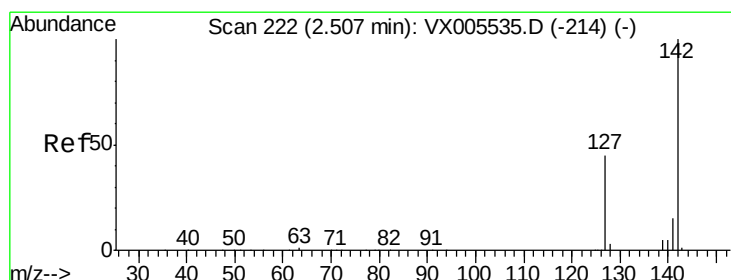
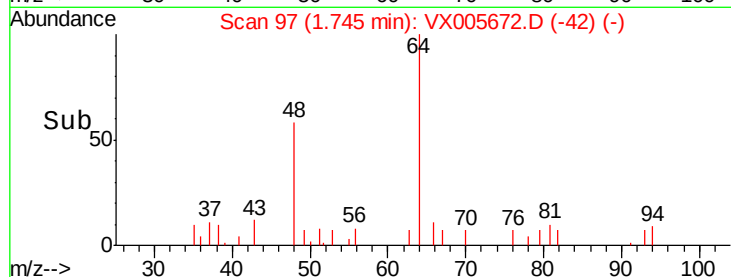
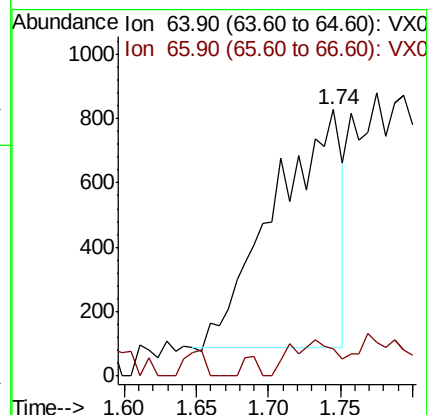
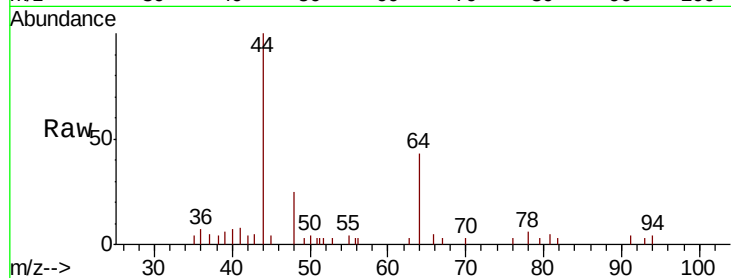
SA-PZ140I-20181024

Tot Ion: 64 Resp: 2379

Ion Ratio Lower Upper

64 100

66 4.3 25.8 38.6#



#10

Methyl Iodide

Concen: 2.821 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

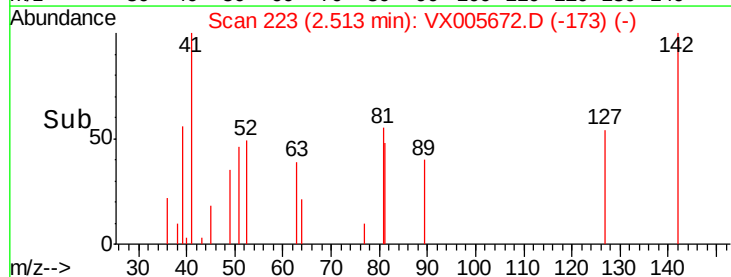
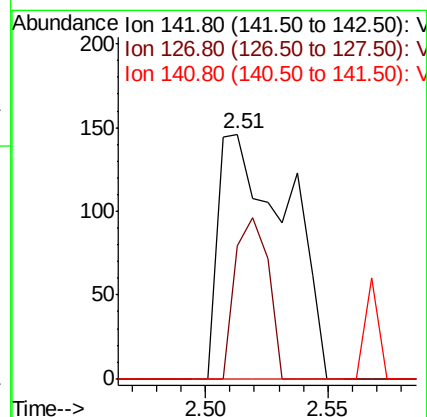
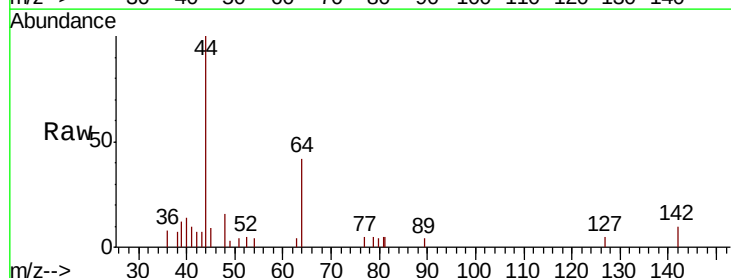
Tgt Ion: 142 Resp: 286

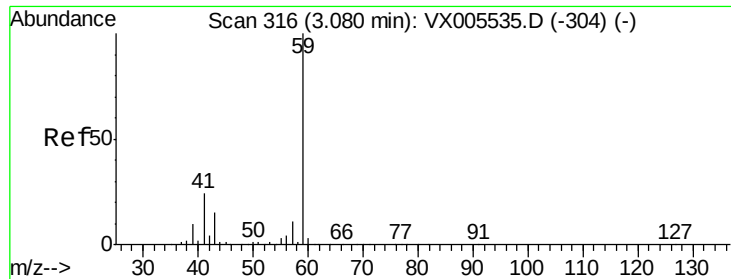
Ion Ratio Lower Upper

142 100

127 31.5 36.0 54.0#

141 0.0 11.7 17.5#



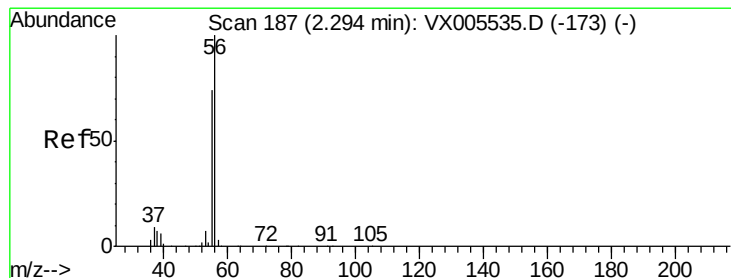
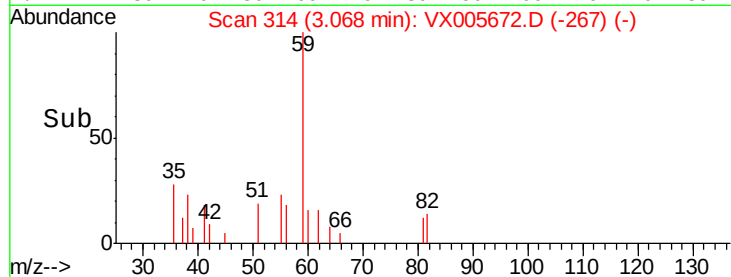
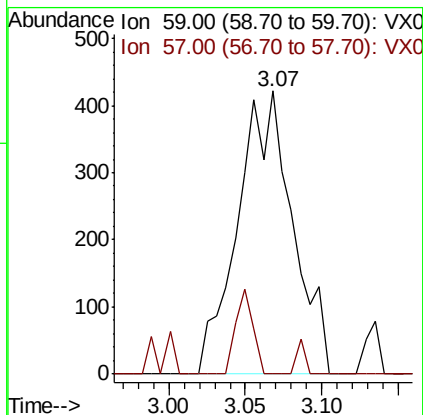
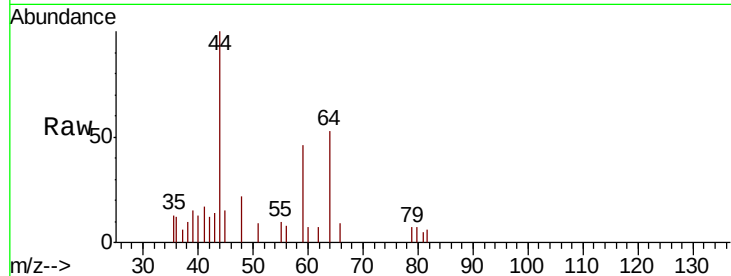


#11

Tert butyl alcohol
Concen: 1.170 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005672.D
Acq: 29 Oct 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ140I-20181024

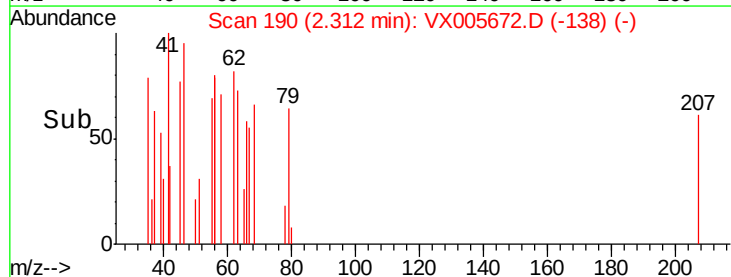
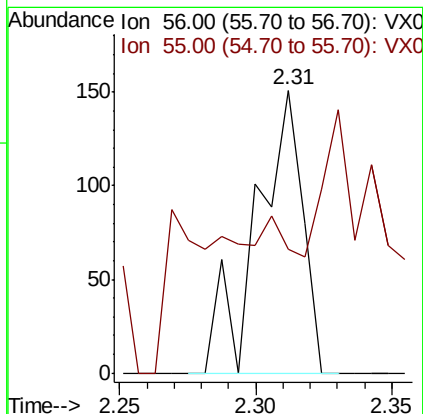
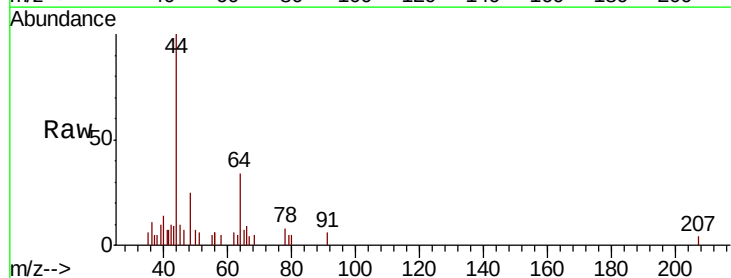
Tot Ion: 59 Resp: 1051
Ion Ratio Lower Upper
59 100
57 1.8 8.5 12.7#

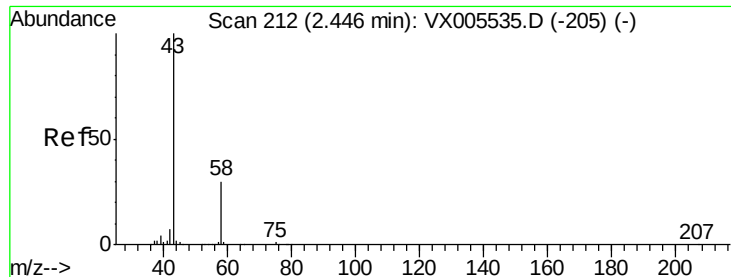


#13

Acrolein
Concen: 0.384 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX005672.D
Acq: 29 Oct 2018 20:31

Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 114.2 57.3 85.9#

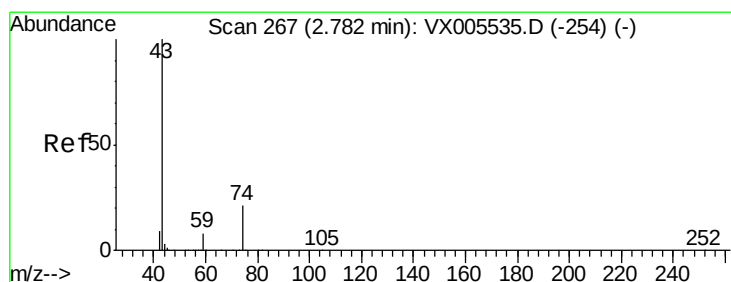
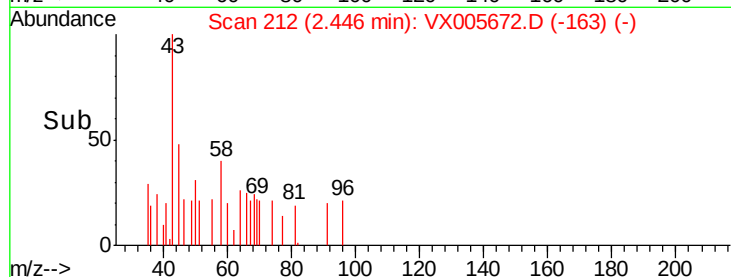
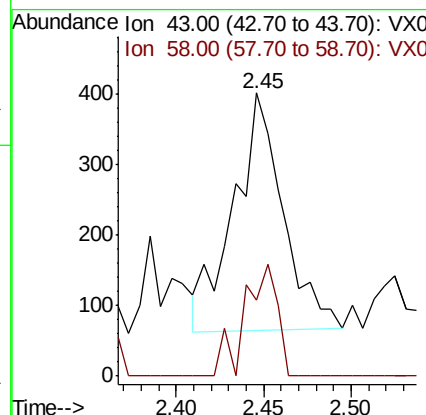
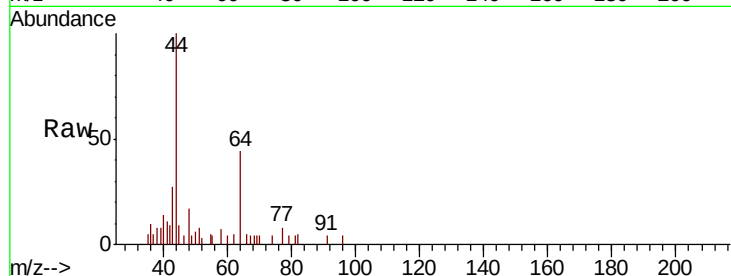




#16
Acetone
Concen: 0.373 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005672.D
Acq: 29 Oct 2018 20:31

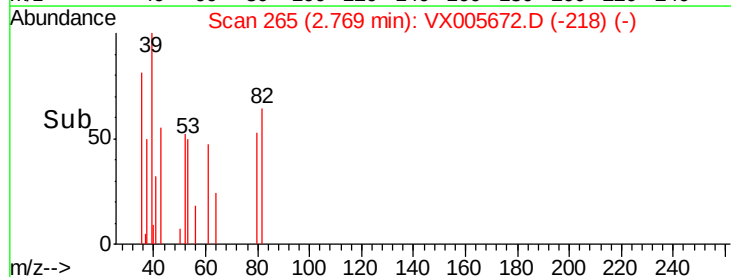
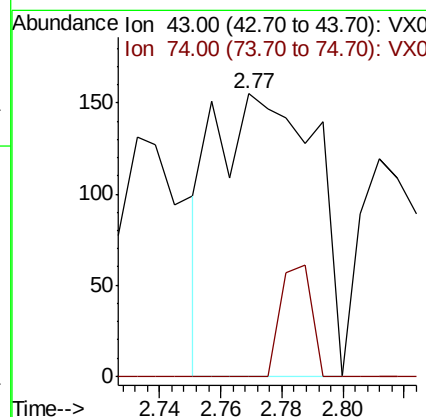
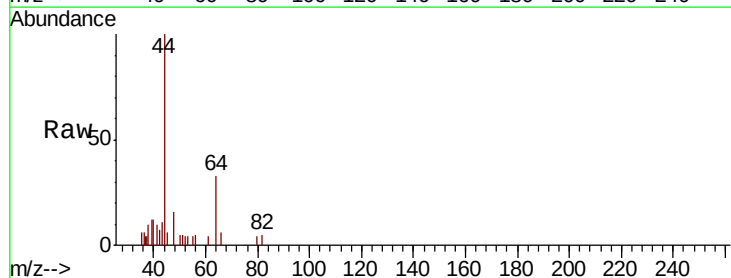
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ140I-20181024

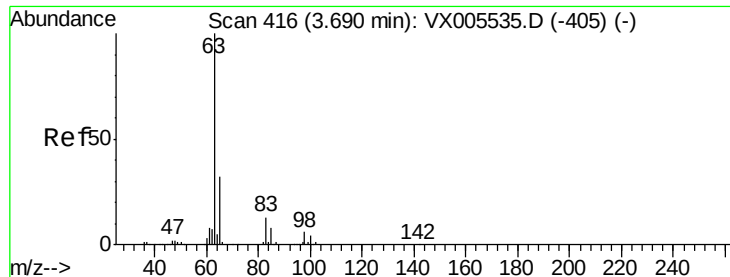
Tot Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
58 32.3 23.8 35.6



#18
Methyl Acetate
Concen: Below Cal
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX005672.D
Acq: 29 Oct 2018 20:31

Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
74 12.1 16.8 25.2#





#24

1,1-Dichloroethane

Concen: 1.714 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ140I-20181024

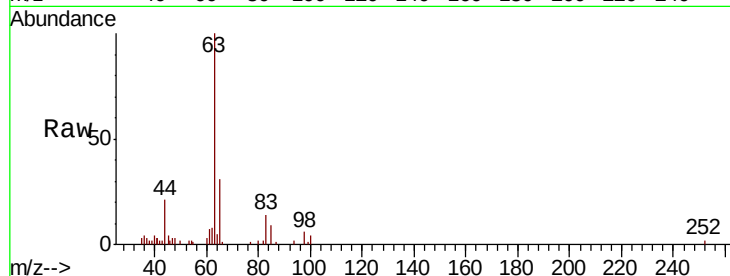
Tot Ion: 63 Resp: 9328

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

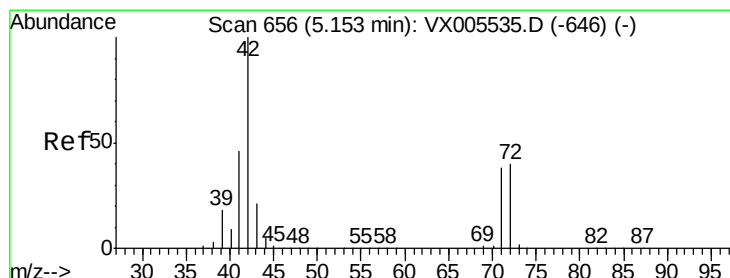
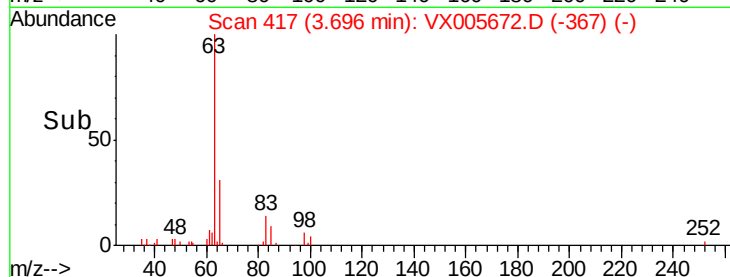
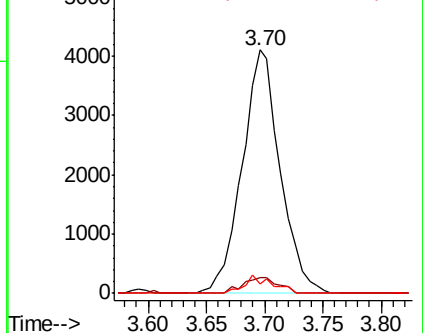
100 3.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

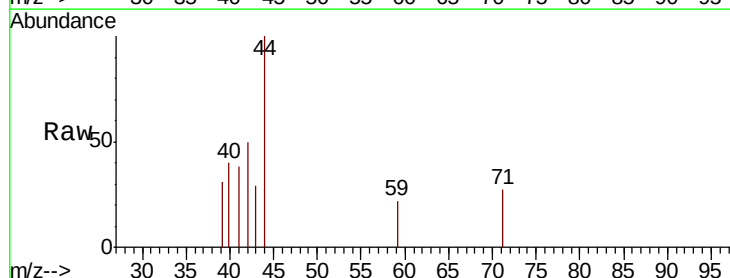
Tgt Ion: 42 Resp: 396

Ion Ratio Lower Upper

42 100

72 6.3 32.0 48.0#

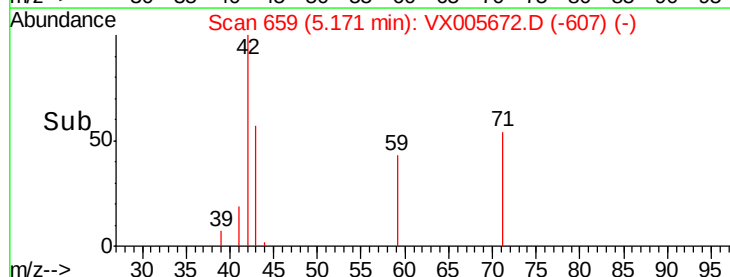
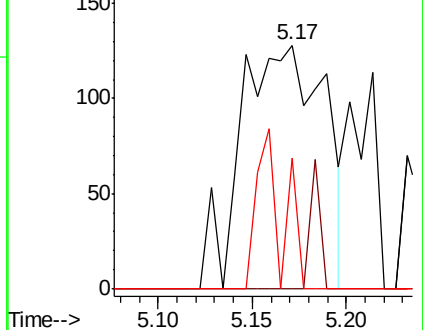
71 0.0 29.8 44.8#

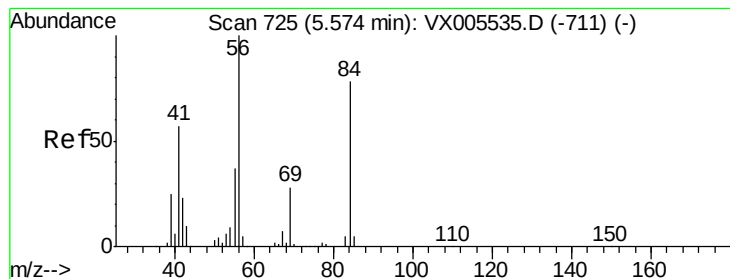


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.079 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

Instrument :

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ClientSampleId :

SA-PZ140I-20181024

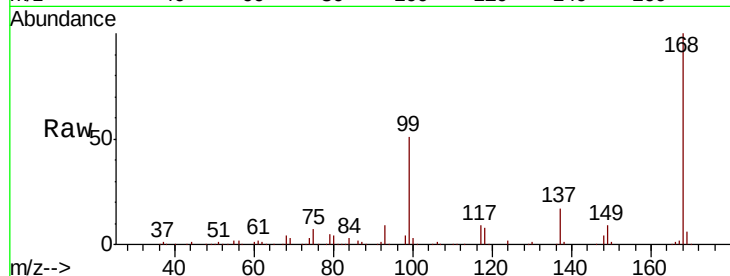
Tot Ion: 56 Resp: 4859

Ion Ratio Lower Upper

56 100

69 185.9 22.6 34.0#

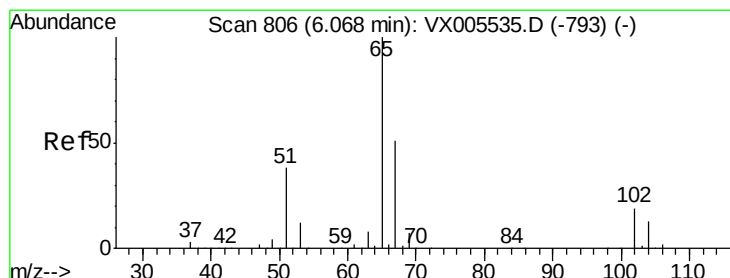
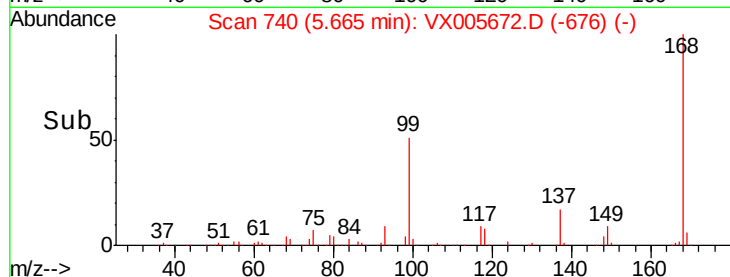
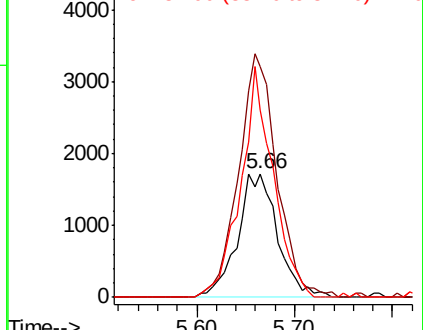
84 151.7 62.7 94.1#



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: 46.594 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005672.D

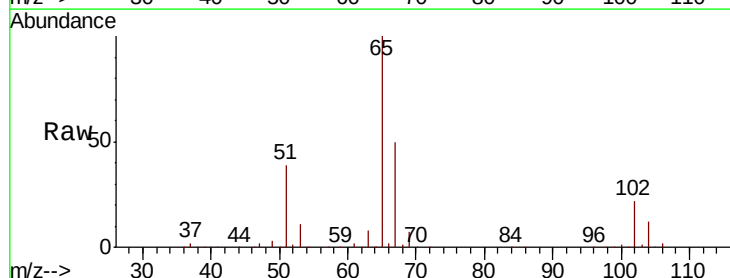
Acq: 29 Oct 2018 20:31

Tgt Ion: 65 Resp: 155586

Ion Ratio Lower Upper

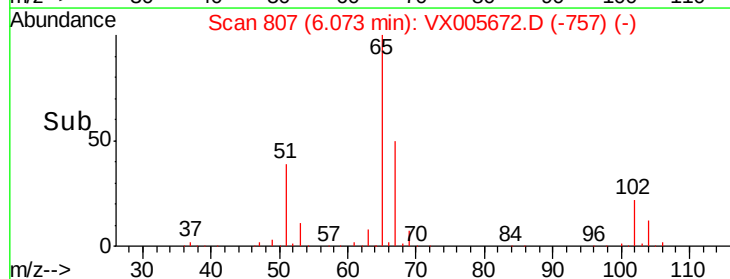
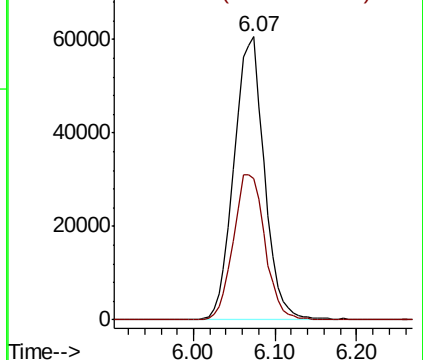
65 100

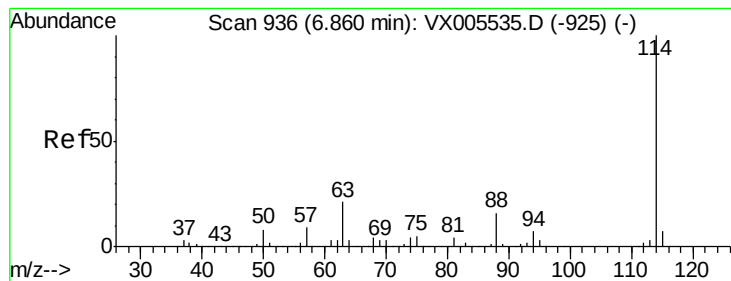
67 53.7 0.0 105.0



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

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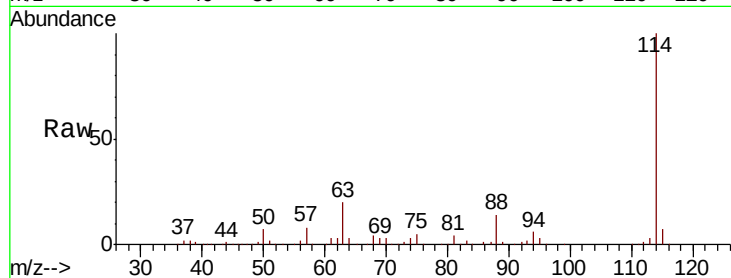
Tot Ion:114 Resp: 402369

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

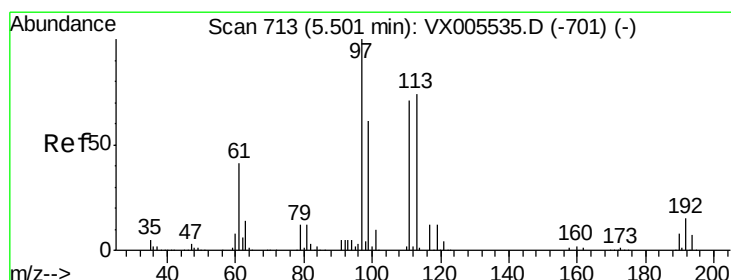
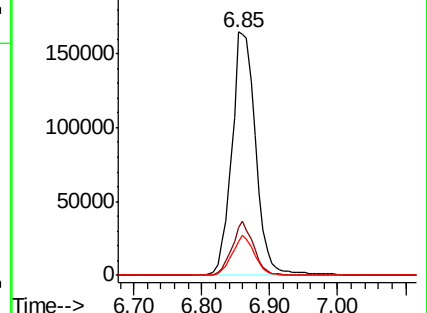
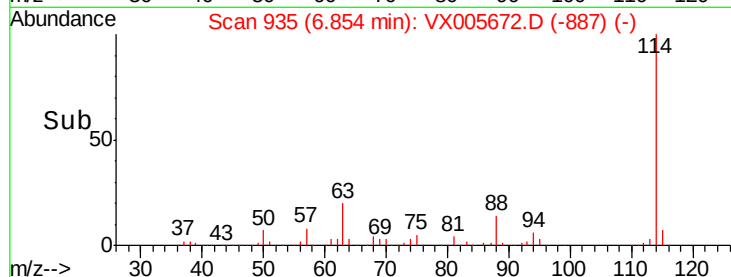
88 13.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.140 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

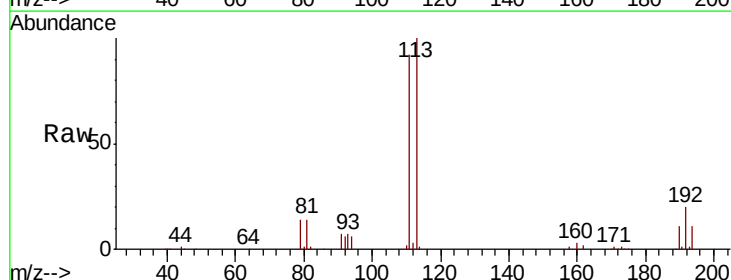
Tgt Ion:113 Resp: 133882

Ion Ratio Lower Upper

113 100

111 104.0 82.3 123.5

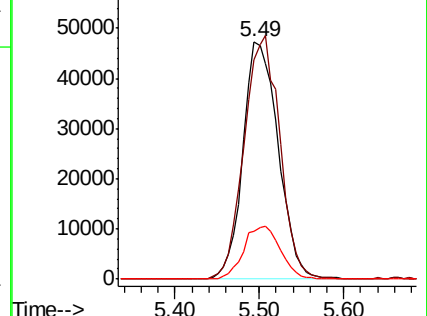
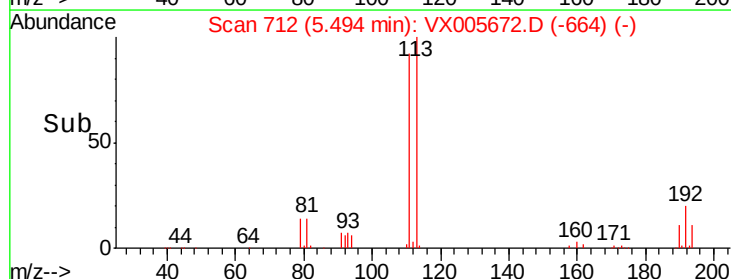
192 23.2 17.9 26.9

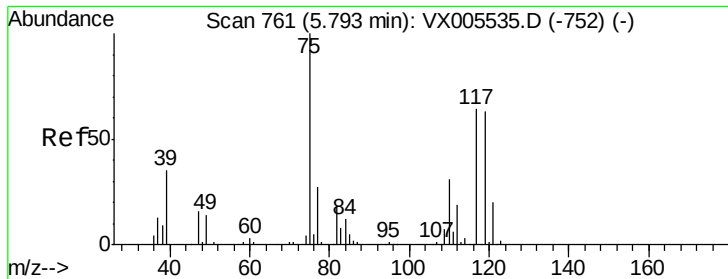


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

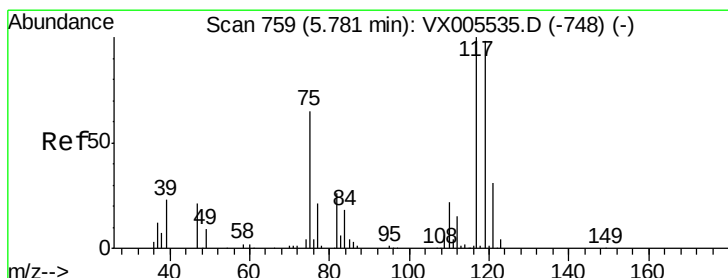
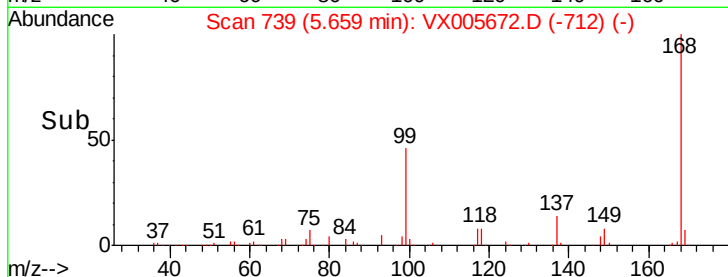
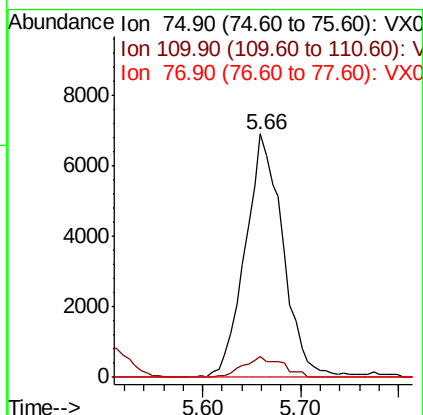
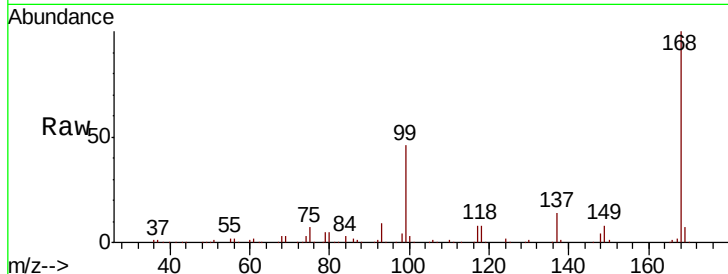




#36
 1,1-Dichloropropene
 Concen: 4.725 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX005672.D
 Acq: 29 Oct 2018 20:31

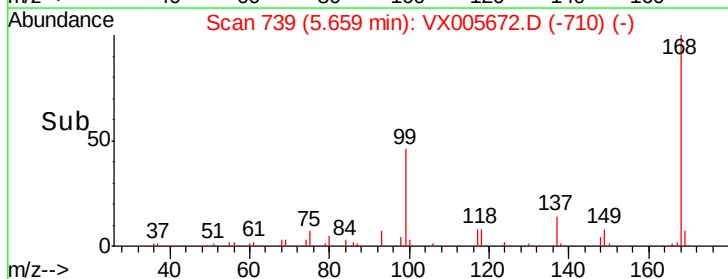
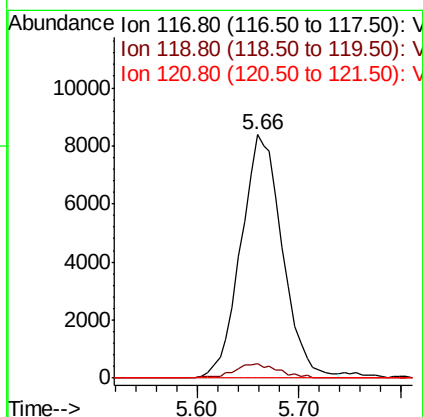
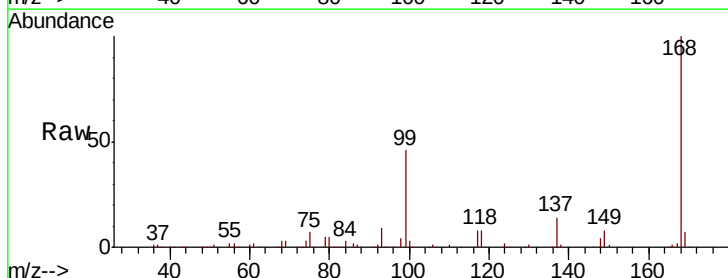
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ140I-20181024

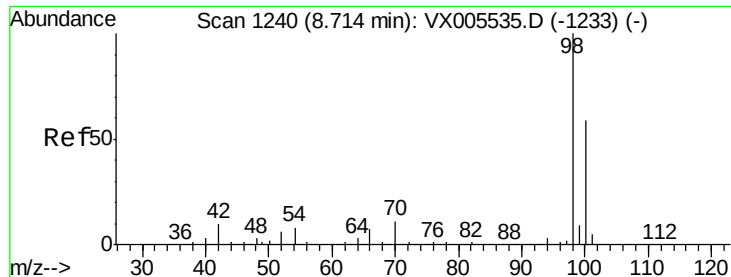
Tot Ion	75	Resp	18449
Ion Ratio	Lower	Upper	
75	100		
110	9.1	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 5.758 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005672.D
 Acq: 29 Oct 2018 20:31

Tgt Ion	117	Resp	23680
Ion Ratio	Lower	Upper	
117	100		
119	5.9	78.1	117.1#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 47.306 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

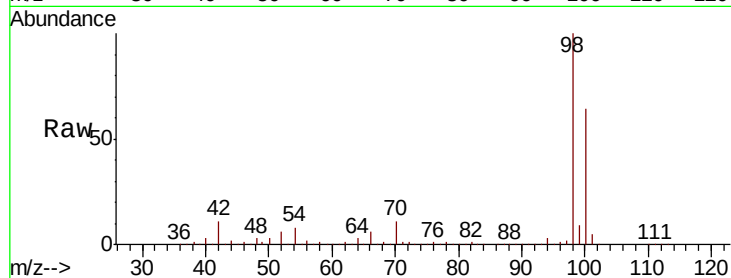
SA-PZ140I-20181024

Tot Ion: 98 Resp: 463116

Ion Ratio Lower Upper

98 100

100 63.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

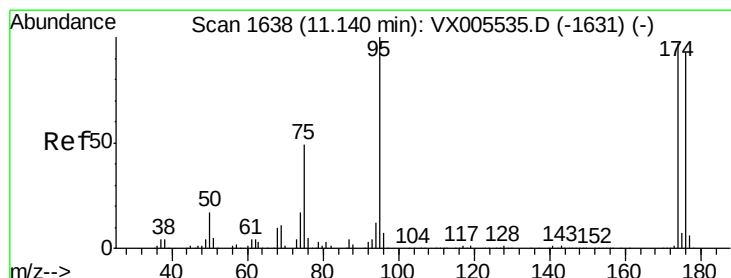
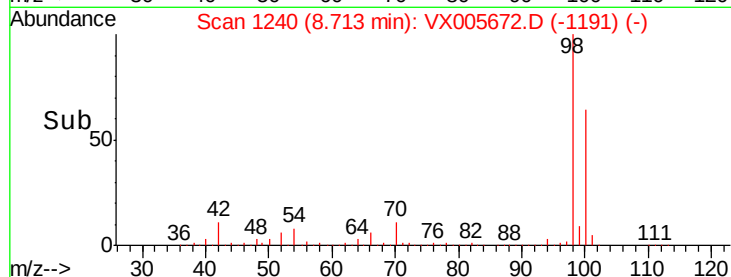
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.900 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

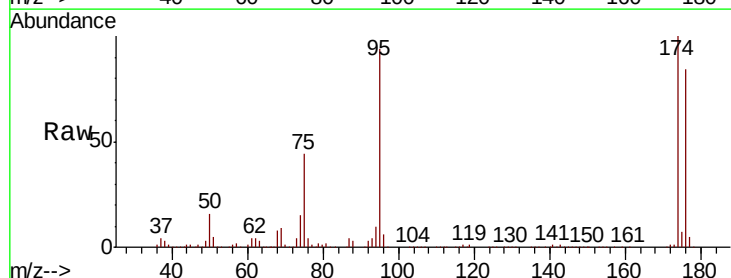
Tgt Ion: 95 Resp: 162301

Ion Ratio Lower Upper

95 100

174 94.0 0.0 184.4

176 86.9 0.0 177.4



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

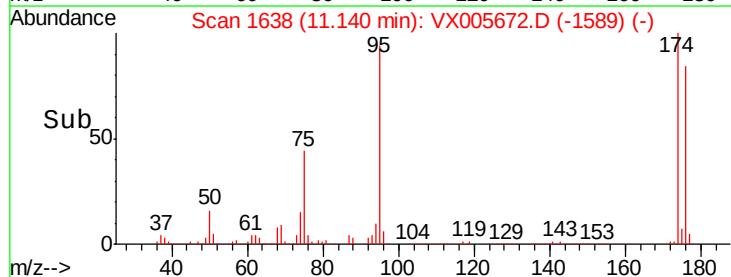
150000

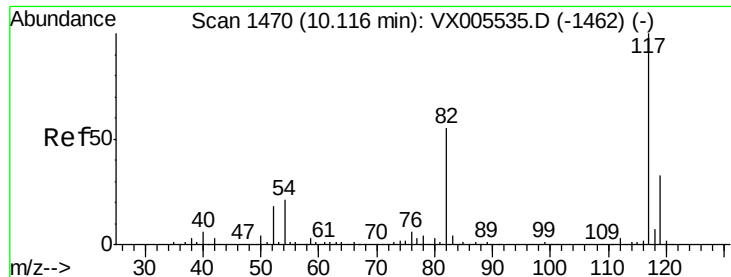
100000

50000

0

Time-->

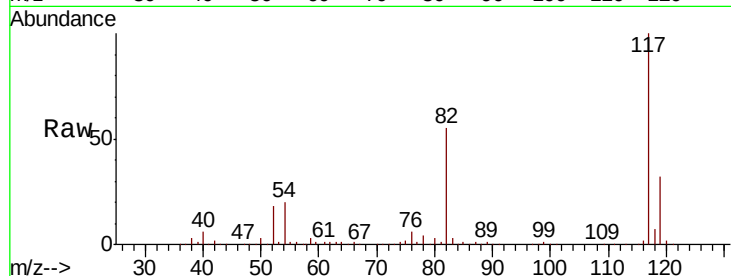




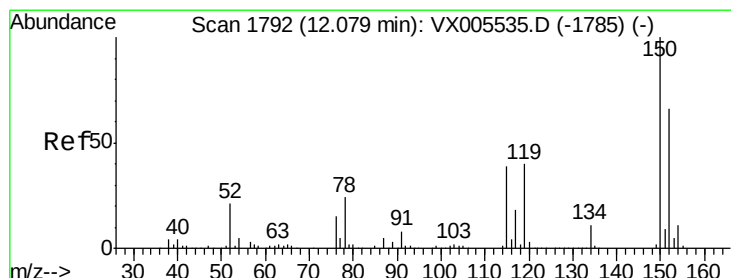
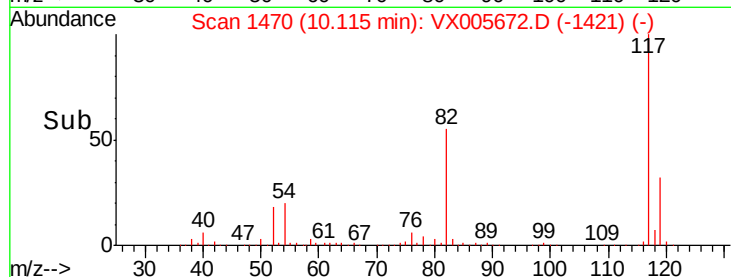
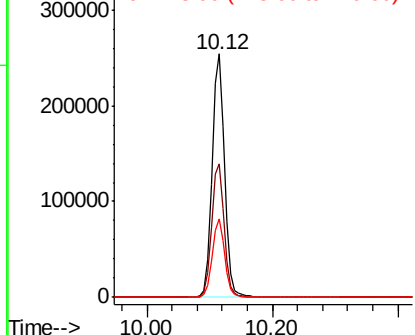
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005672.D
Acq: 29 Oct 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ140I-20181024

Tot Ion:117 Resp: 347600
Ion Ratio Lower Upper
117 100
82 54.8 44.1 66.1
119 32.5 26.2 39.2

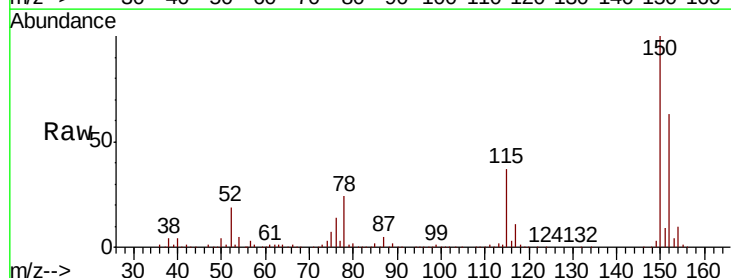


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

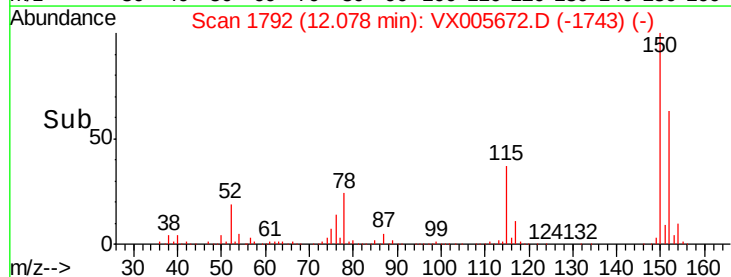
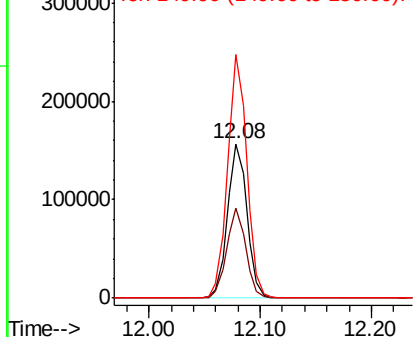


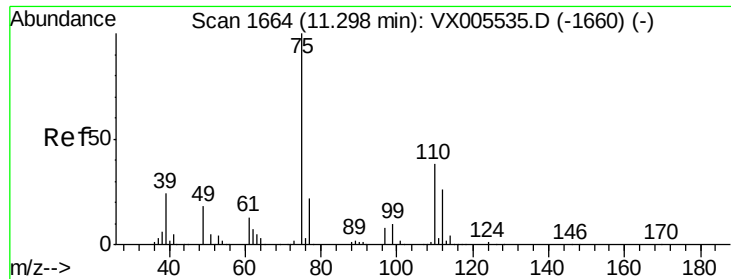
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005672.D
Acq: 29 Oct 2018 20:31

Tgt Ion:152 Resp: 189351
Ion Ratio Lower Upper
152 100
115 57.6 39.4 118.1
150 156.1 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: 19.287 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

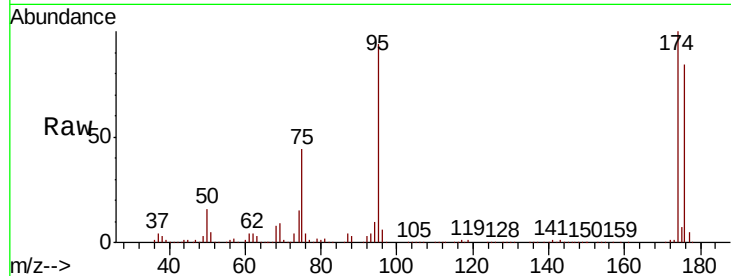
SA-PZ140I-20181024

Tot Ion: 75 Resp: 77377

Ion Ratio Lower Upper

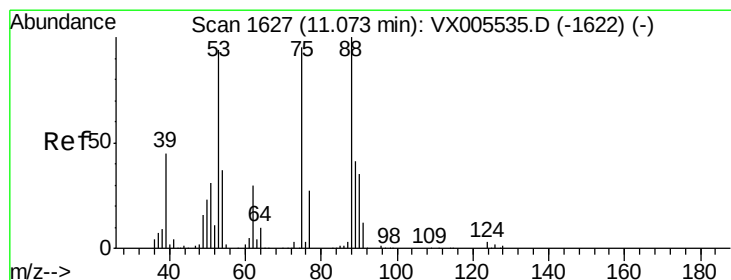
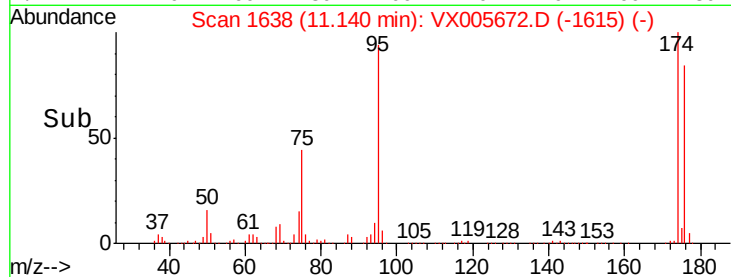
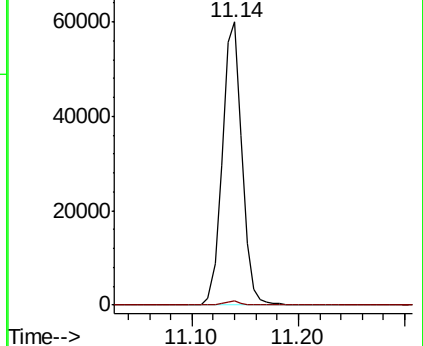
75 100

77 1.5 20.5 61.6#



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: 63.020 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005672.D

Acq: 29 Oct 2018 20:31

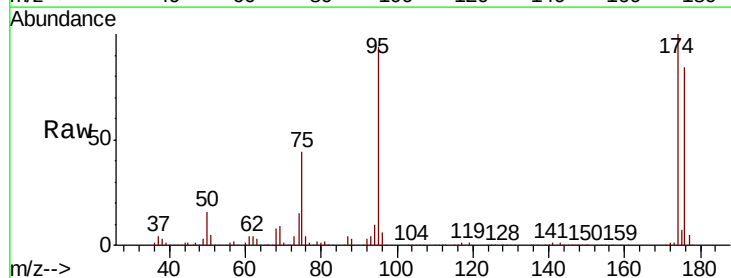
Tgt Ion: 75 Resp: 77377

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



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

