

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004592.D
 Acq On : 15 Sep 2018 18:40
 Operator : JC/MD
 Sample : J4922-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-6

Quant Time: Sep 17 08:39:41 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	236184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347555	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182498	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	146339	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
35) Dibromofluoromethane	5.50	113	141956	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	
50) Toluene-d8	8.72	98	491007	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	11.14	95	172969	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

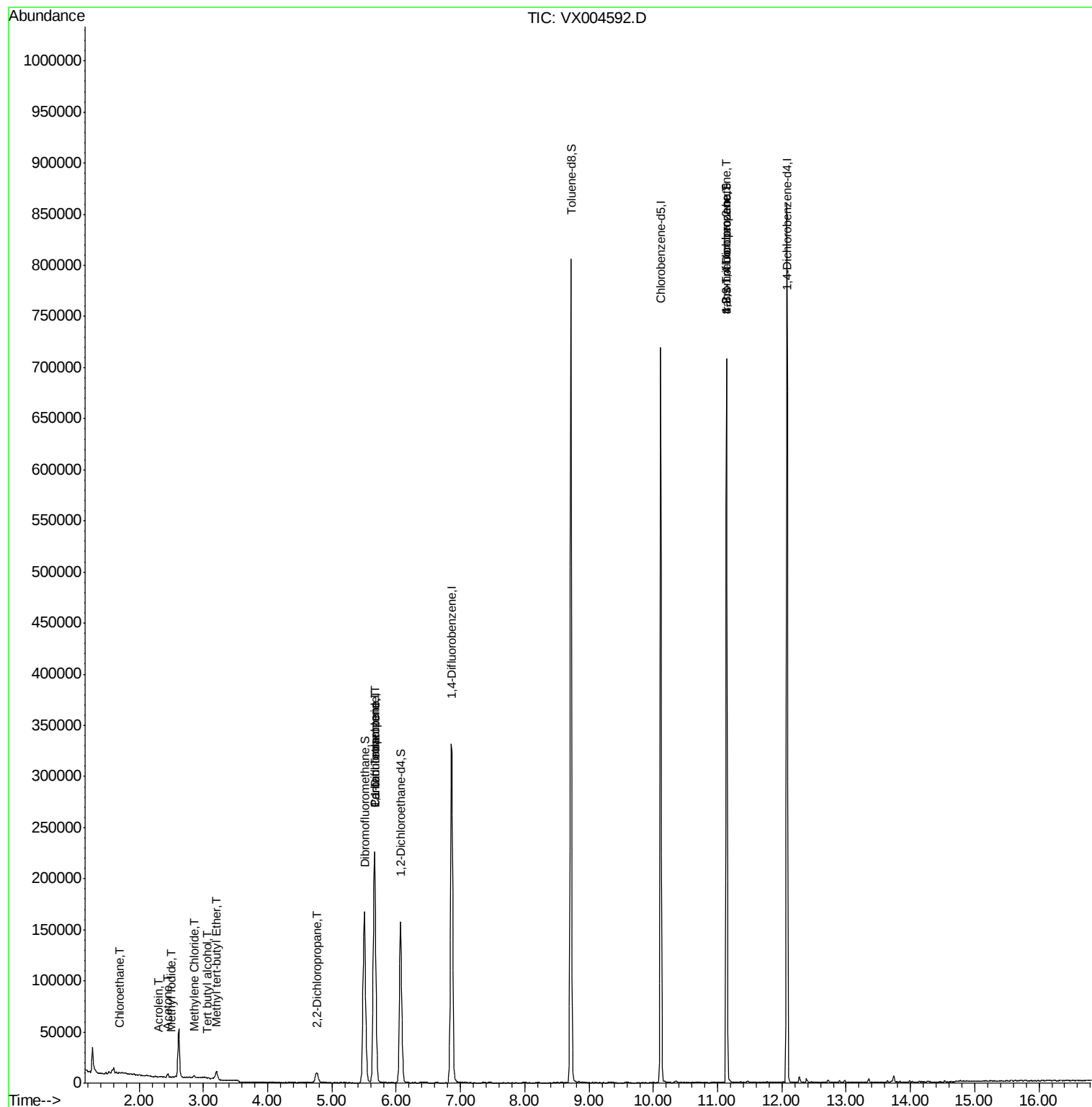
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	650	Below Cal	#	57
6) Chloroethane	1.70	64	500	0.25	ug/l #	44
10) Methyl Iodide	2.51	142	581	4.43	ug/l #	86
11) Tert butyl alcohol	3.06	59	828	1.14	ug/l #	72
13) Acrolein	2.30	56	186	0.65	ug/l	88
16) Acetone	2.45	43	3477	2.34	ug/l #	78
19) Methyl tert-butyl Ether	3.21	73	7656	0.88	ug/l	98
20) Methylene Chloride	2.86	84	717	0.24	ug/l #	87
26) 2,2-Dichloropropane	4.77	77	933	0.26	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	15110	3.58	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20418	4.95	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	82252	22.40	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	82252	71.40	ug/l #	10

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

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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: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

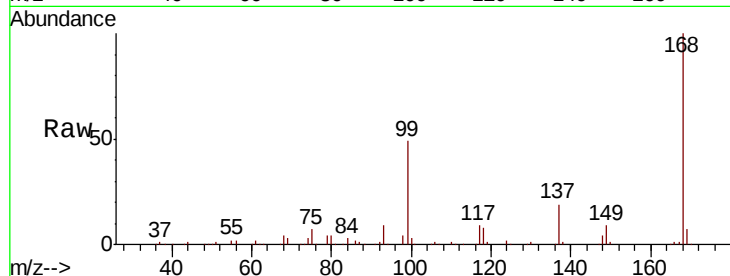
PZ-6

Tot Ion:168 Resp: 236184

Ion Ratio Lower Upper

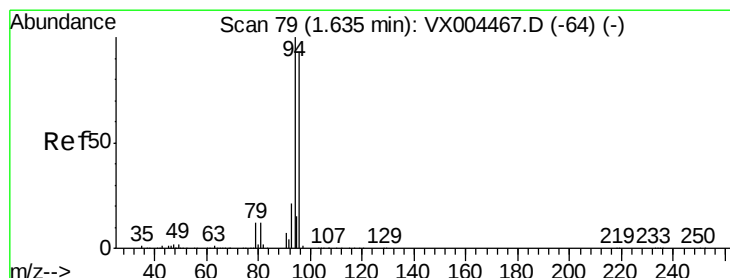
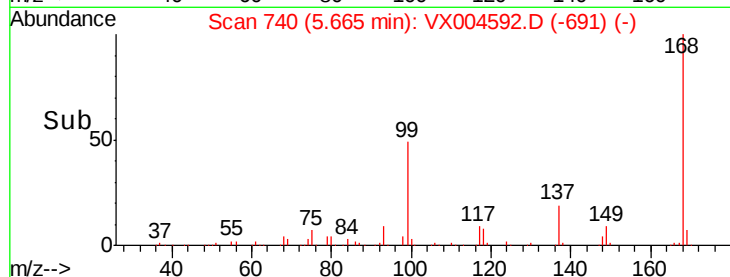
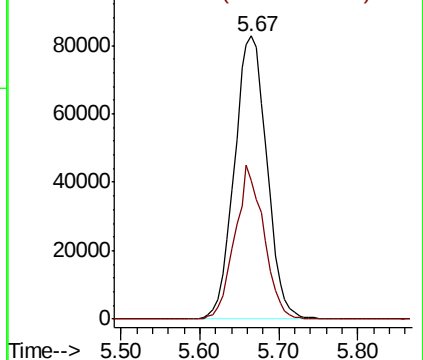
168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004592.D

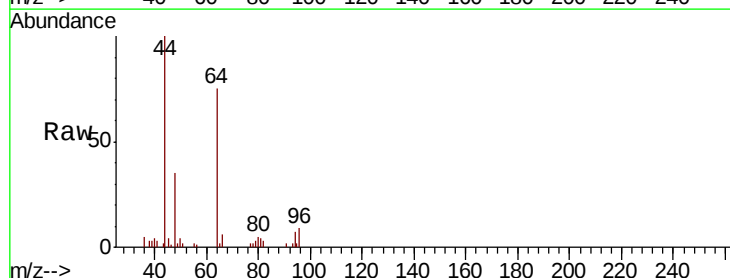
Acq: 15 Sep 2018 18:40

Tgt Ion: 94 Resp: 650

Ion Ratio Lower Upper

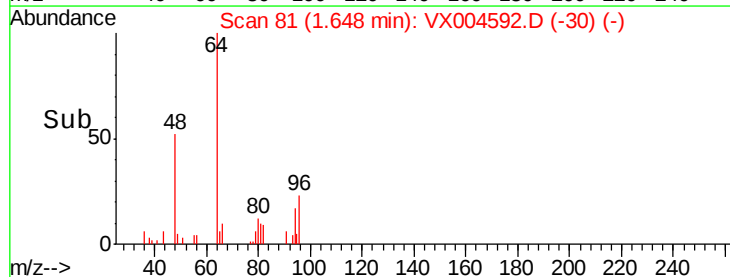
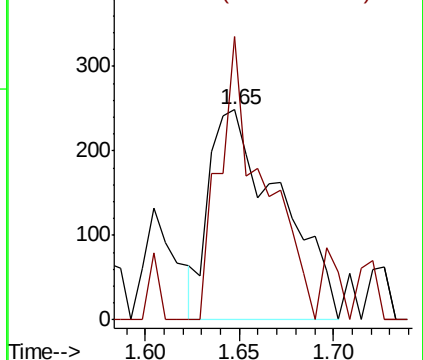
94 100

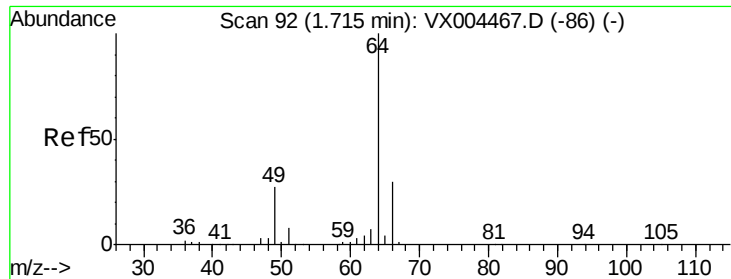
96 134.5 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.25 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

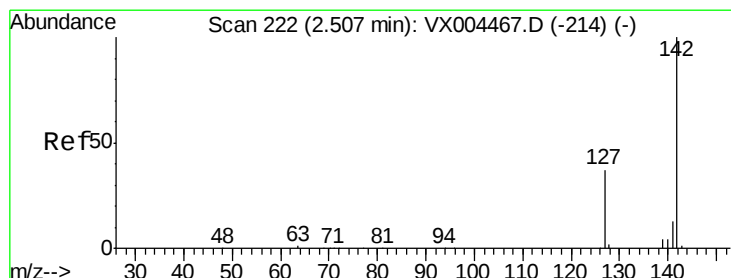
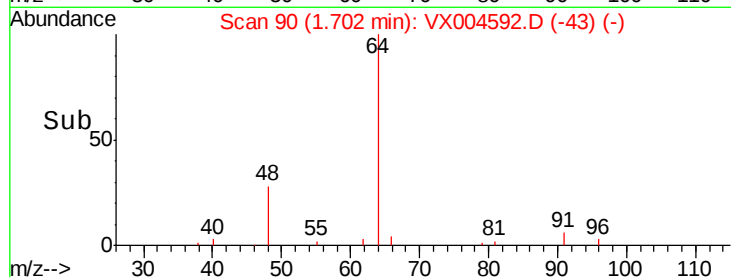
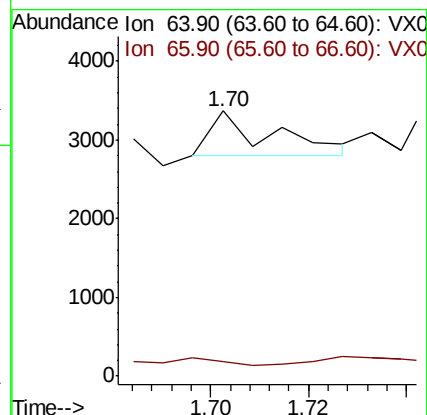
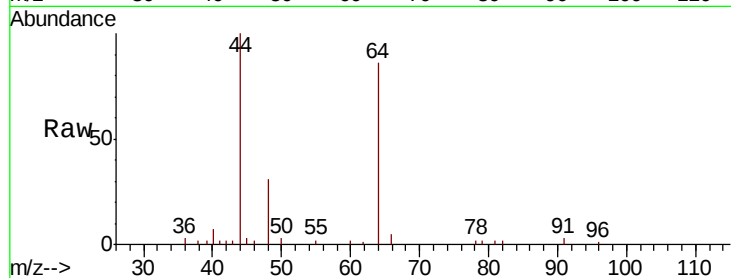
PZ-6

Tot Ion: 64 Resp: 500

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 4.43 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

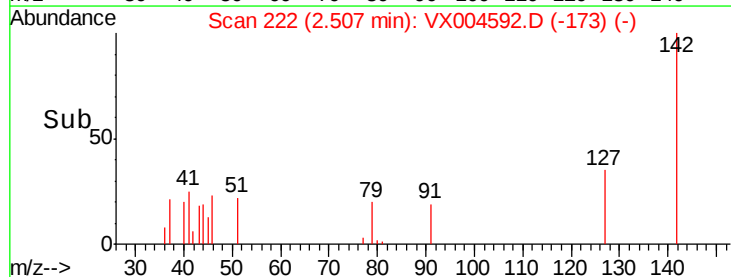
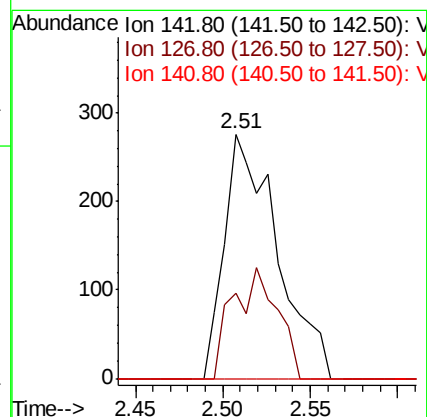
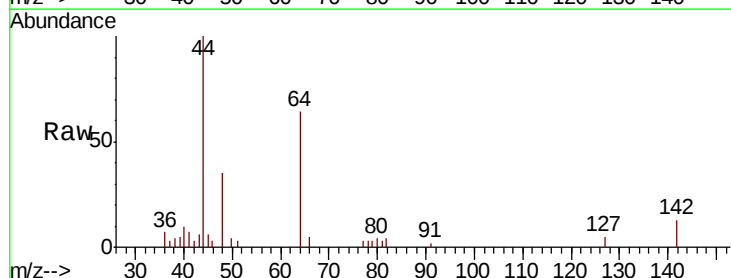
Tgt Ion: 142 Resp: 581

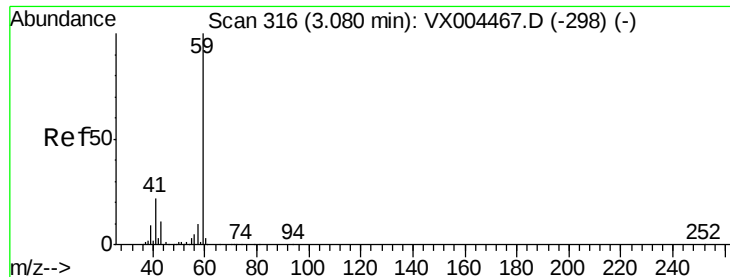
Ion Ratio Lower Upper

142 100

127 37.9 33.8 50.6

141 0.0 11.4 17.0#

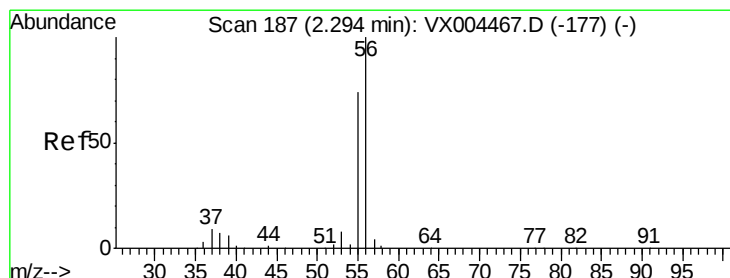
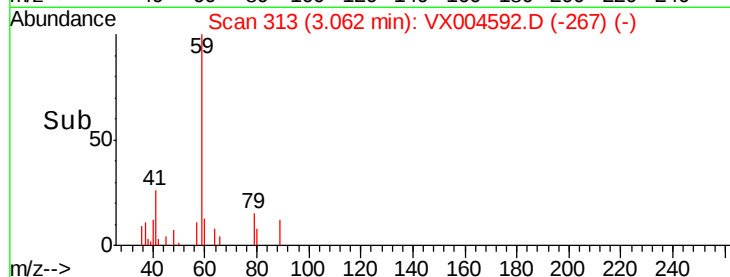
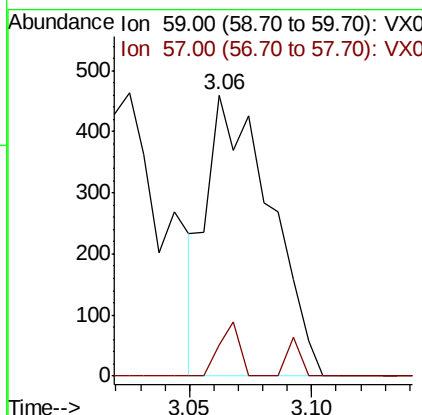
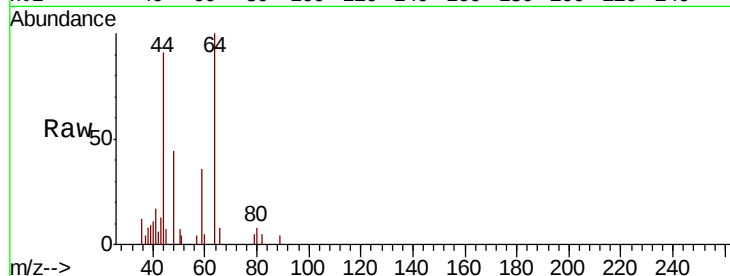




#11
Tert butyl alcohol
Concen: 1.14 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004592.D
Acq: 15 Sep 2018 18:40

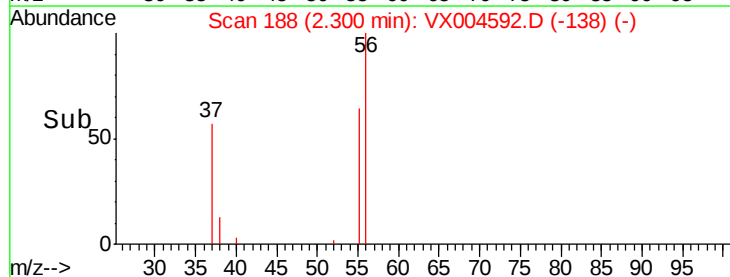
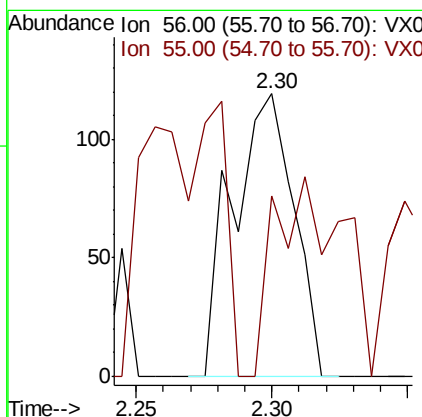
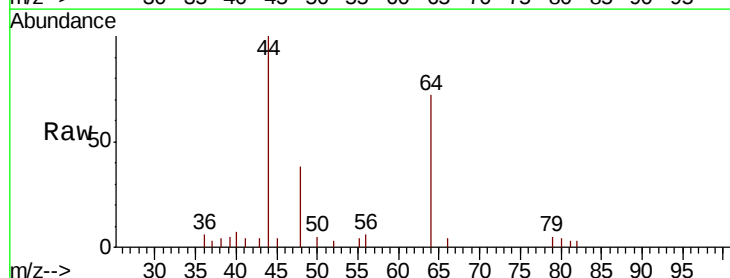
Instrument :
MSVOA_X
ClientSampled :
PZ-6

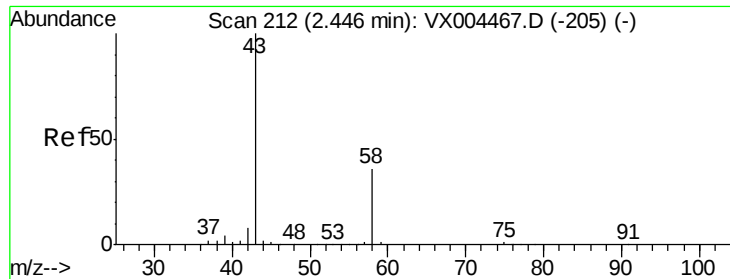
Tot Ion: 59 Resp: 828
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.65 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX004592.D
Acq: 15 Sep 2018 18:40

Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 78.0 54.7 82.1

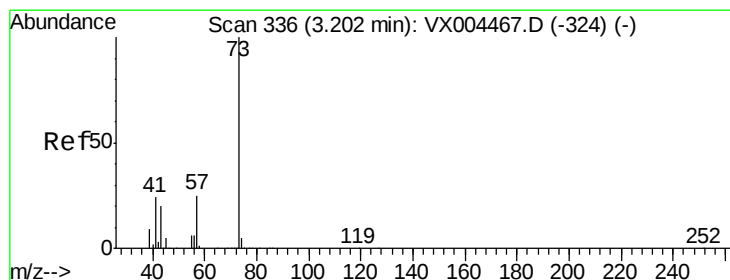
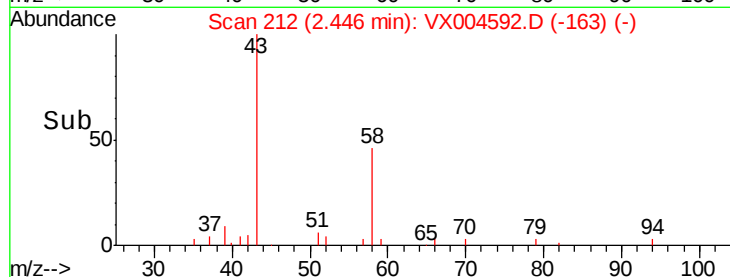
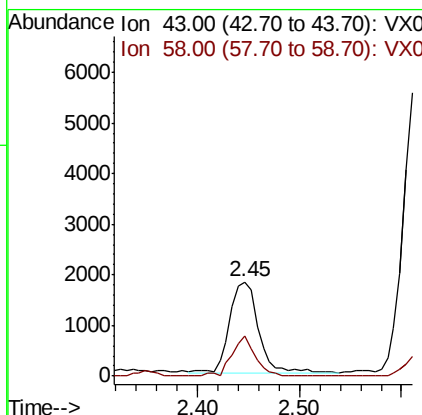
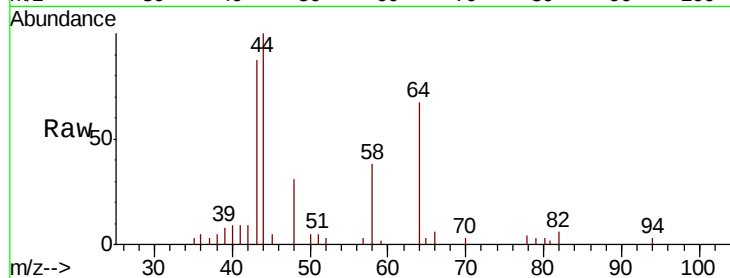




#16
Acetone
Concen: 2.34 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX004592.D
Acq: 15 Sep 2018 18:40

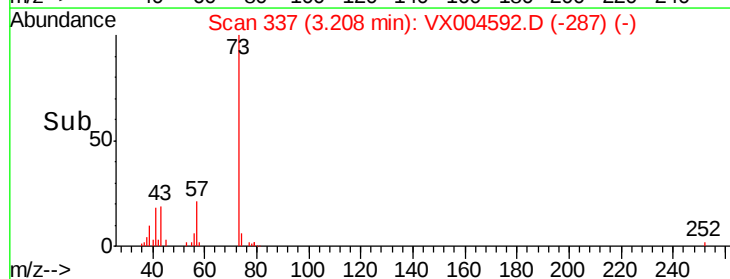
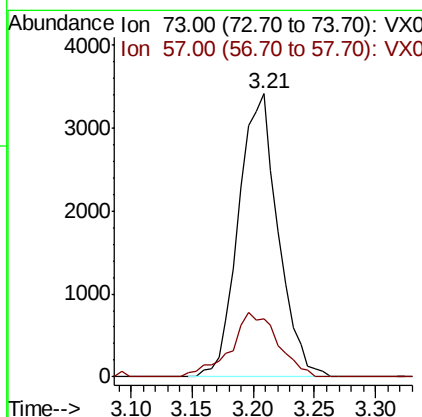
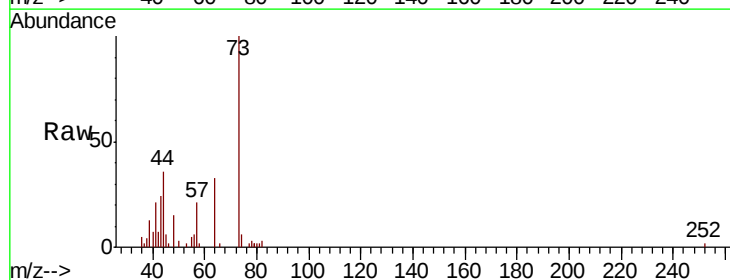
Instrument :
MSVOA_X
ClientSampled :
PZ-6

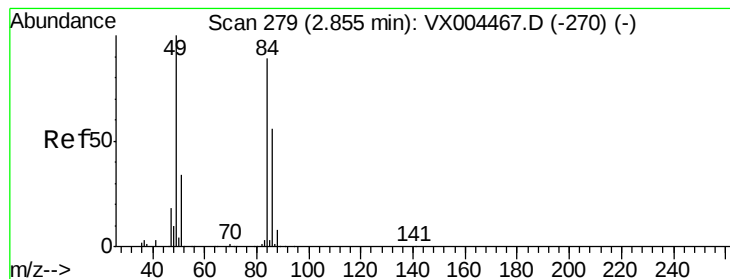
Tot Ion: 43 Resp: 3477
Ion Ratio Lower Upper
43 100
58 45.0 26.2 39.4#



#19
Methyl tert-butyl Ether
Concen: 0.88 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004592.D
Acq: 15 Sep 2018 18:40

Tgt Ion: 73 Resp: 7656
Ion Ratio Lower Upper
73 100
57 20.6 17.1 25.7





#20

Methylene Chloride

Concen: 0.24 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

PZ-6

Tot Ion: 84 Resp: 717

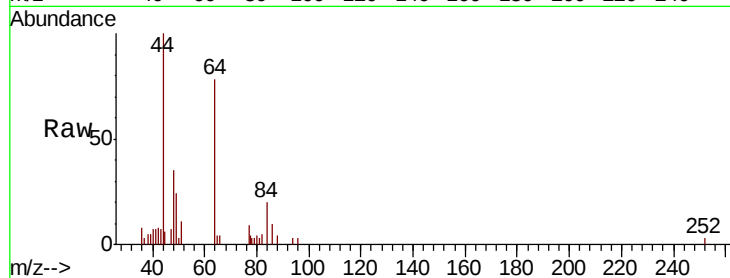
Ion Ratio Lower Upper

84 100

49 121.1 101.2 151.8

51 56.6 29.5 44.3#

86 50.4 52.3 78.5#

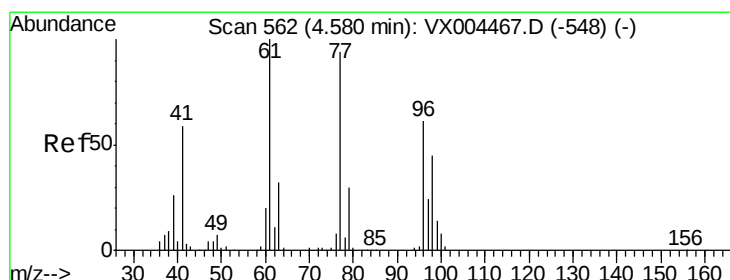
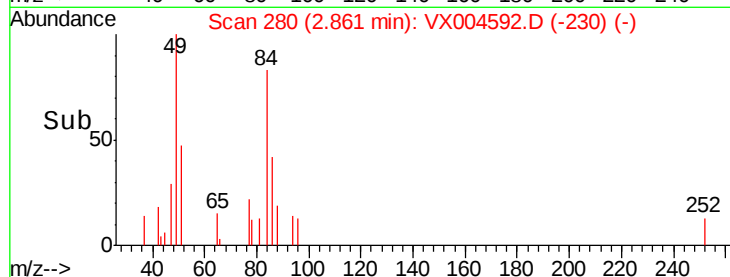
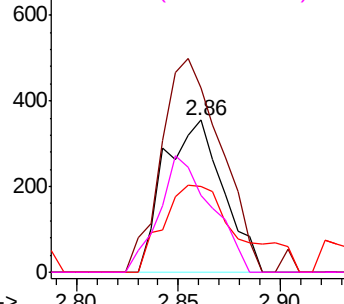


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#26

2,2-Dichloropropane

Concen: 0.26 ug/l

RT: 4.77 min Scan# 593

Delta R.T. 0.19 min

Lab File: VX004592.D

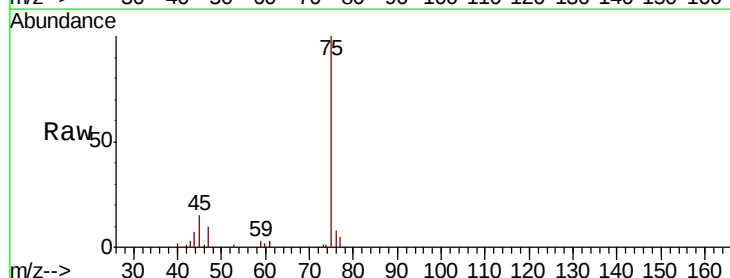
Acq: 15 Sep 2018 18:40

Tgt Ion: 77 Resp: 933

Ion Ratio Lower Upper

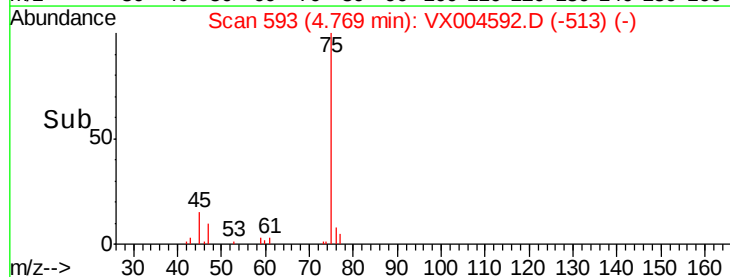
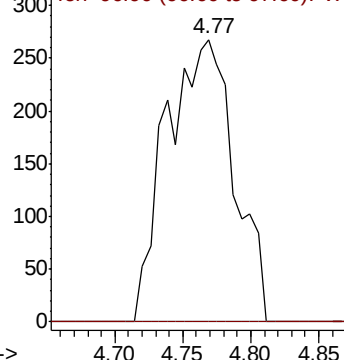
77 100

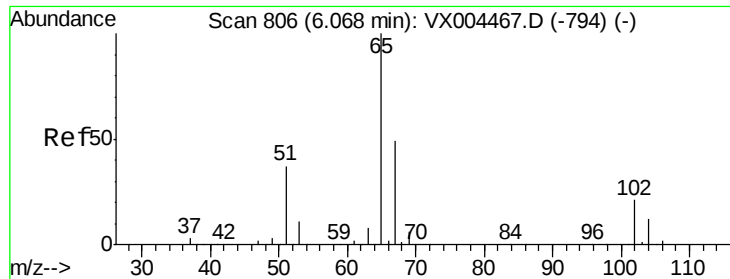
97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

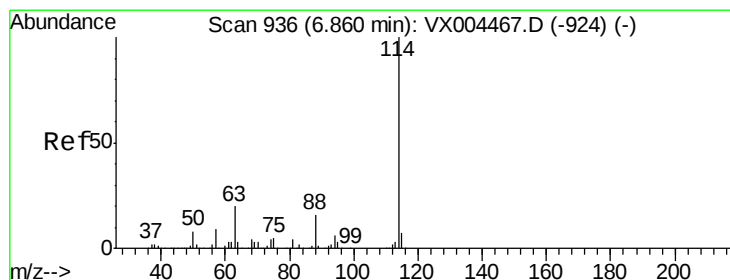
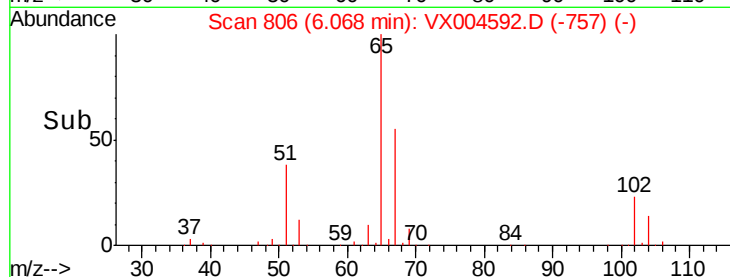
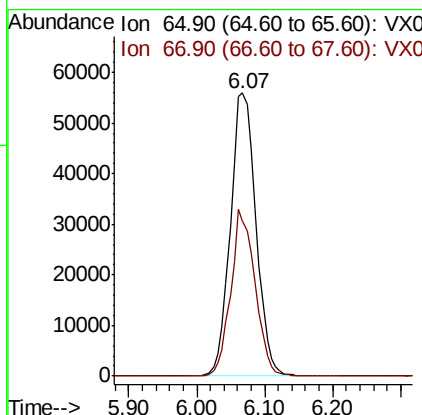
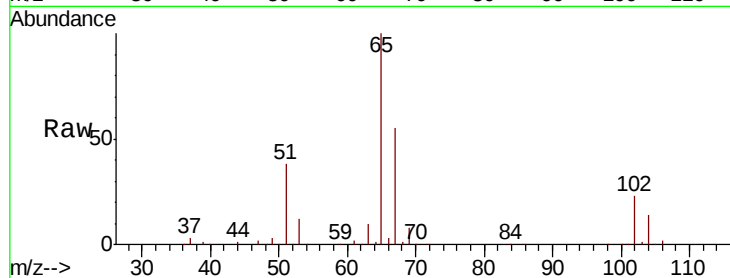




#33
 1,2-Dichloroethane-d4
 Concen: 48.05 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004592.D
 Acq: 15 Sep 2018 18:40

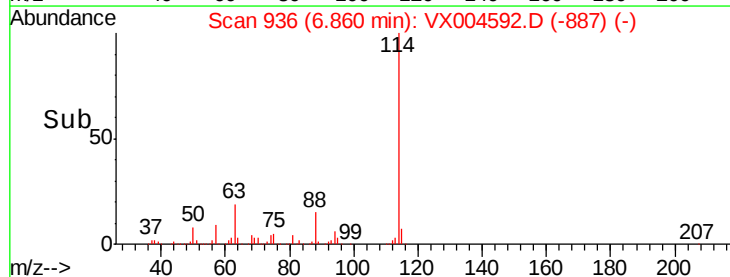
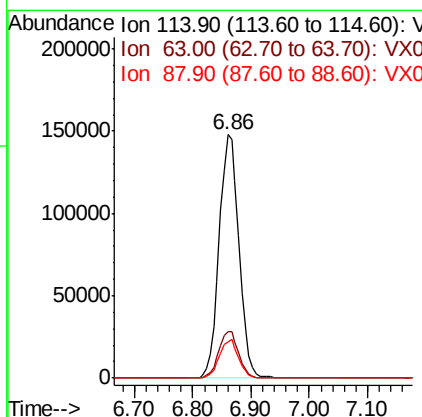
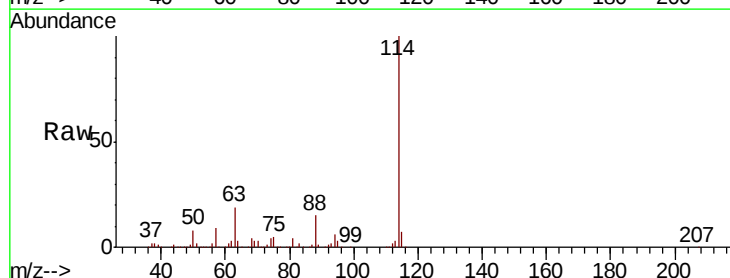
Instrument :
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 PZ-6

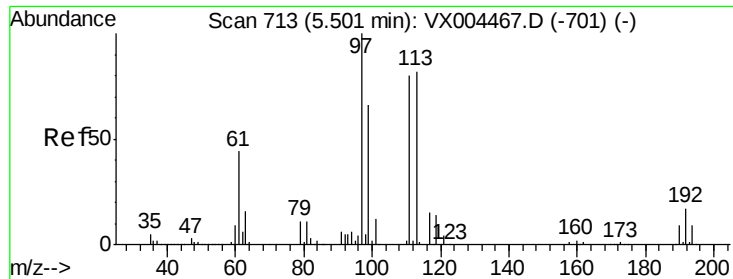
Tot Ion: 65 Resp: 146339
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004592.D
 Acq: 15 Sep 2018 18:40

Tgt Ion: 114 Resp: 347555
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 15.1 0.0 30.4

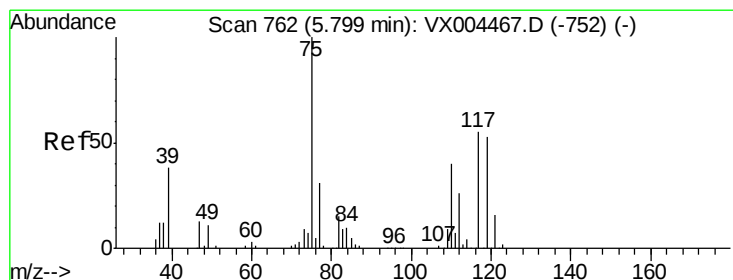
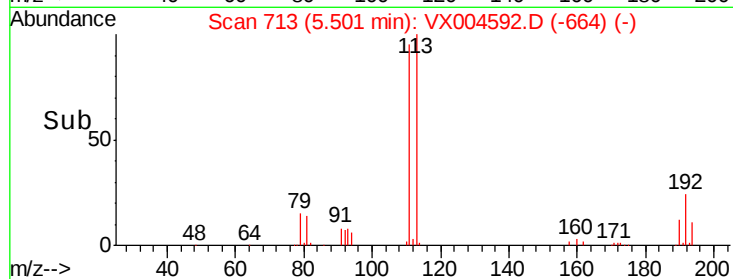
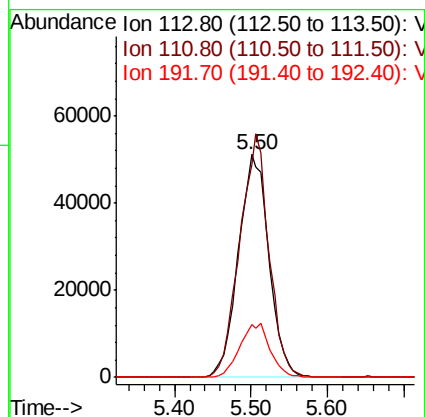
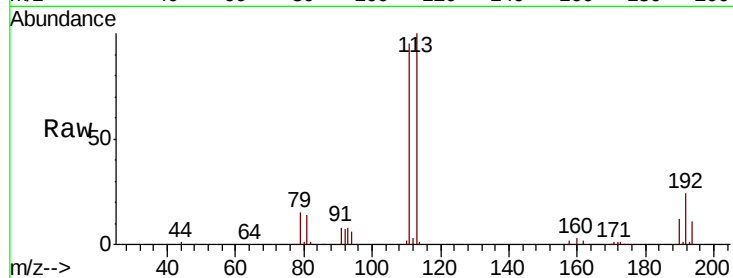




#35
 Dibromofluoromethane
 Concen: 44.63 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004592.D
 Acq: 15 Sep 2018 18:40

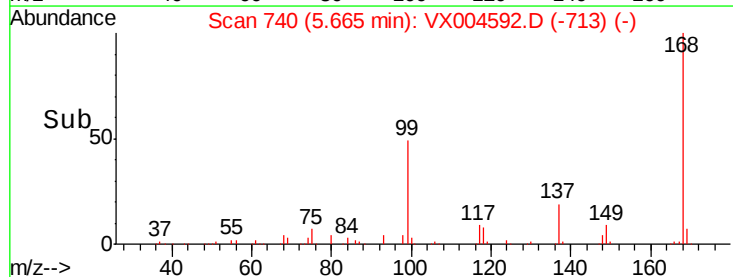
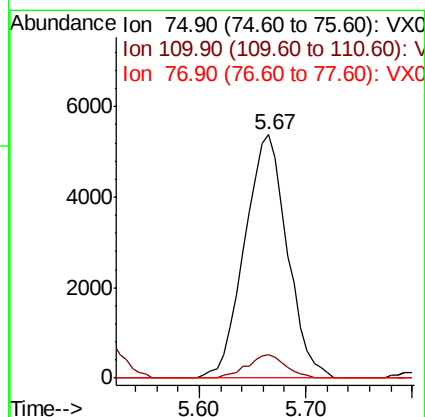
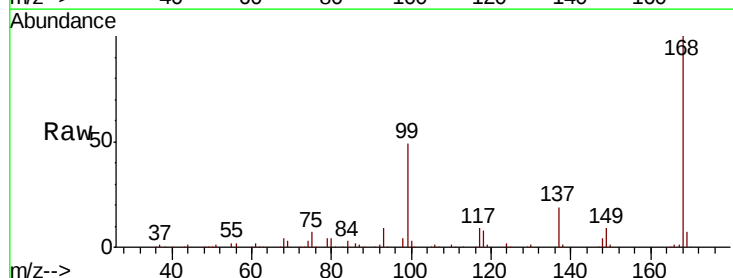
Instrument :
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 PZ-6

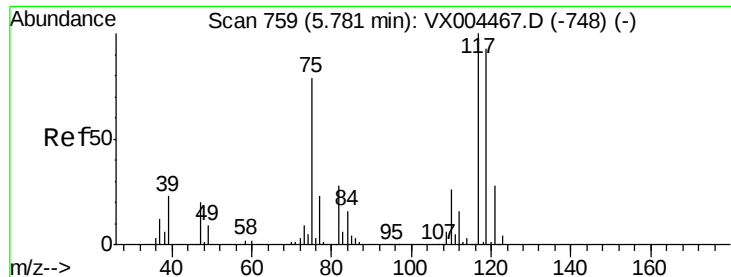
Tot Ion:113 Resp: 141956
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.4 123.6
 192 24.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.58 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004592.D
 Acq: 15 Sep 2018 18:40

Tgt Ion: 75 Resp: 15110
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.95 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

PZ-6

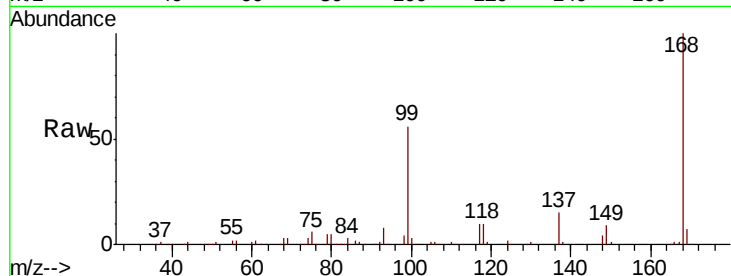
Tot Ion:117 Resp: 20418

Ion Ratio Lower Upper

117 100

119 5.4 78.8 118.2#

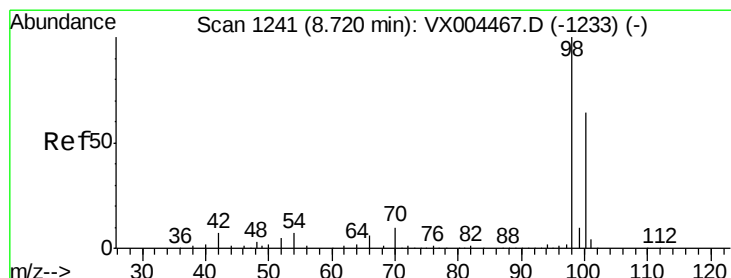
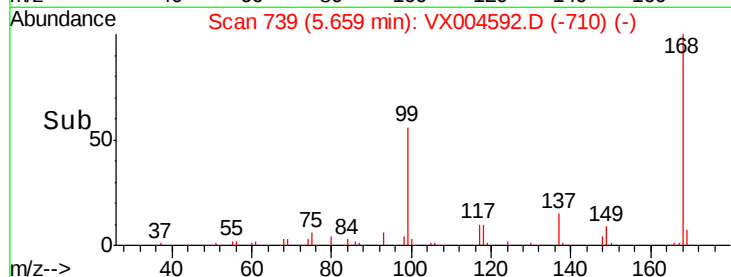
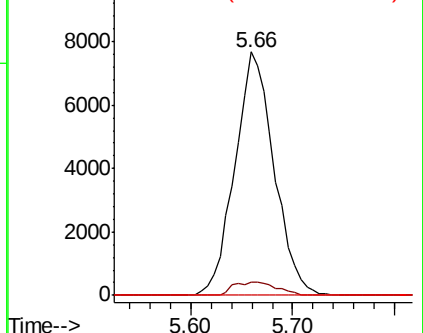
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 46.04 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004592.D

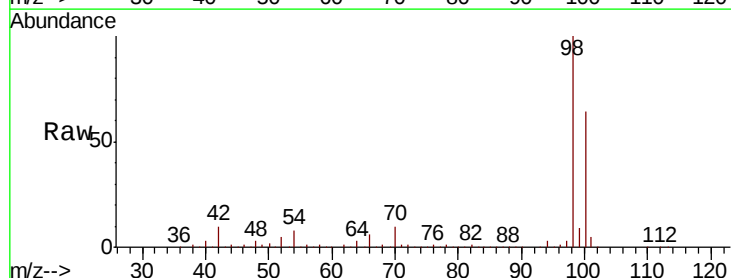
Acq: 15 Sep 2018 18:40

Tgt Ion: 98 Resp: 491007

Ion Ratio Lower Upper

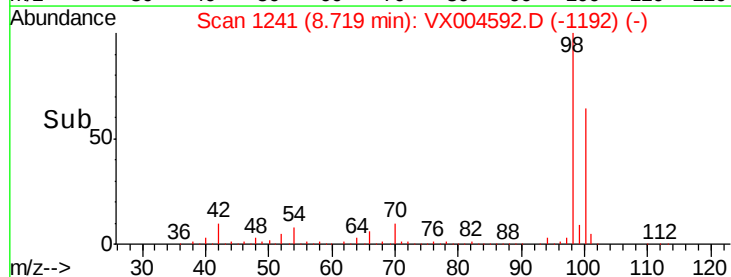
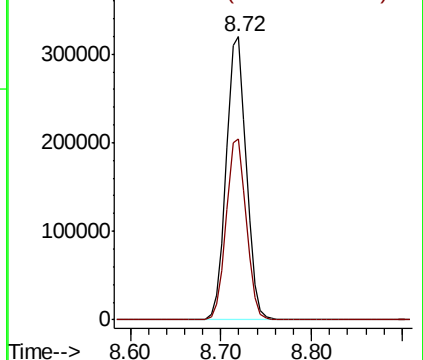
98 100

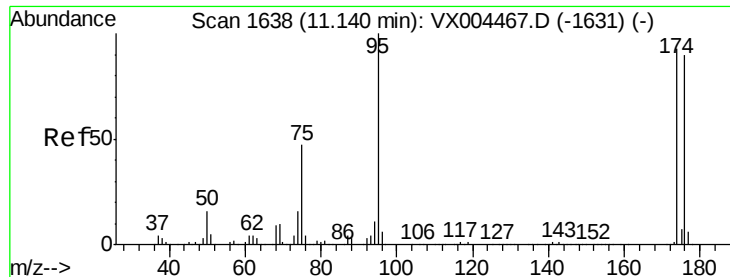
100 64.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.43 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

PZ-6

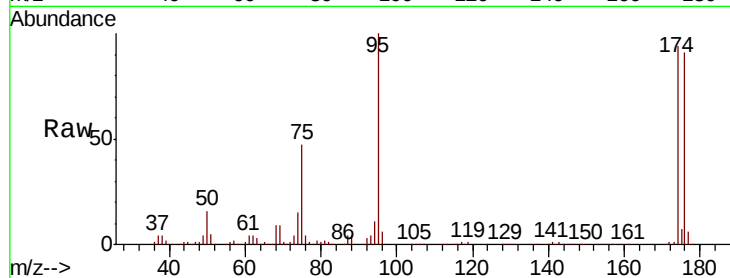
Tot Ion: 95 Resp: 172969

Ion Ratio Lower Upper

95 100

174 94.2 0.0 185.2

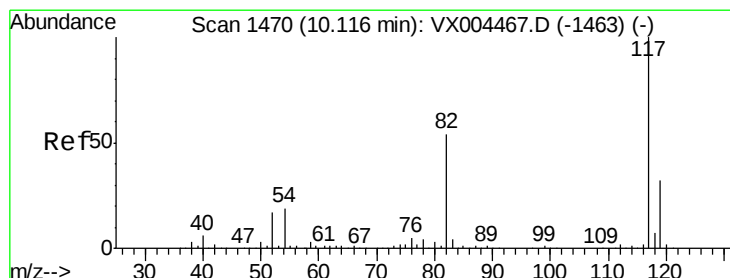
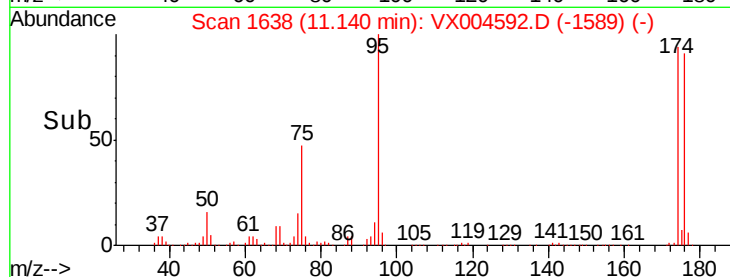
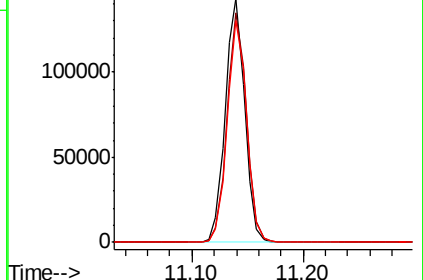
176 90.7 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004467.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004467.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004467.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

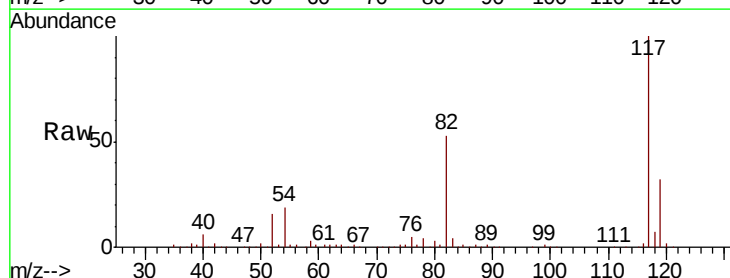
Tgt Ion: 117 Resp: 330261

Ion Ratio Lower Upper

117 100

82 53.3 47.8 71.6

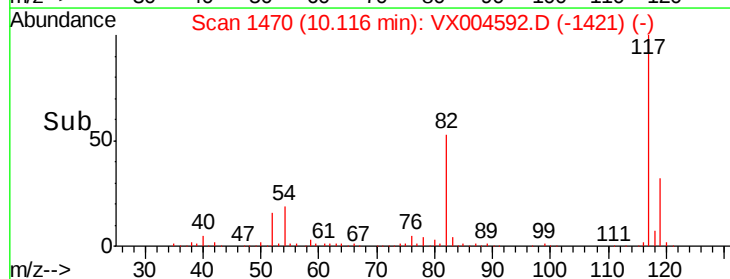
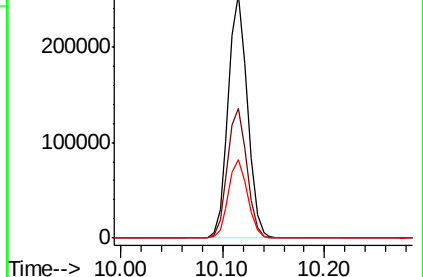
119 32.3 29.3 43.9

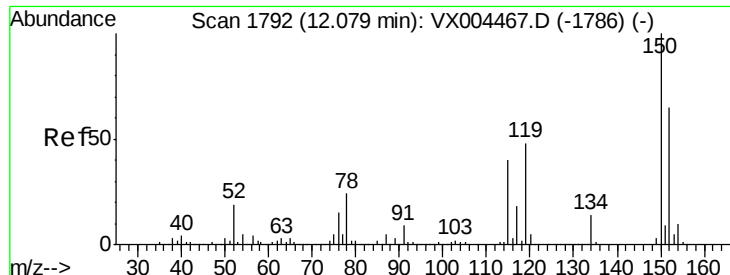


Abundance Ion 116.90 (116.60 to 117.60): VX004467.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004467.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004467.D (-1463) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampled :

PZ-6

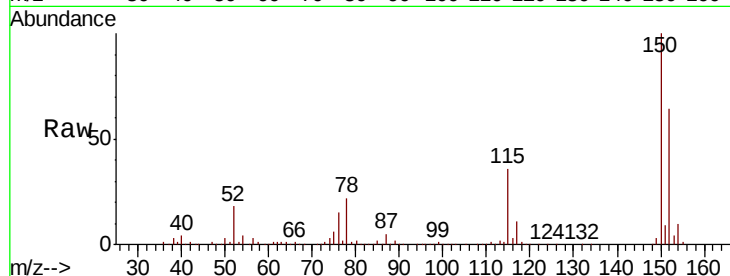
Tot Ion:152 Resp: 182498

Ion Ratio Lower Upper

152 100

115 55.2 39.0 117.0

150 157.2 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

300000

250000

200000

150000

100000

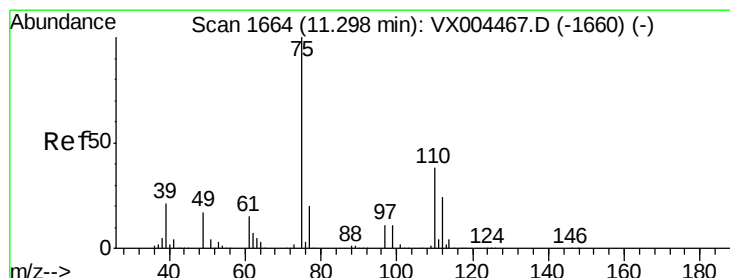
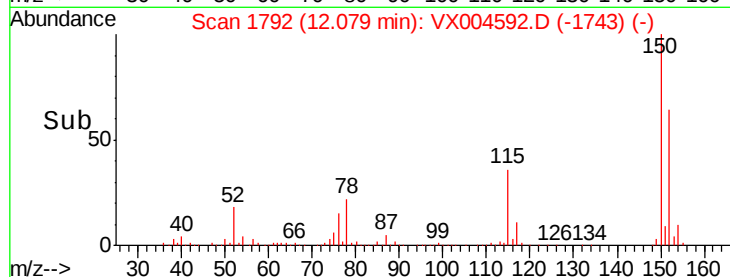
50000

0

12.00

12.10

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.40 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004592.D

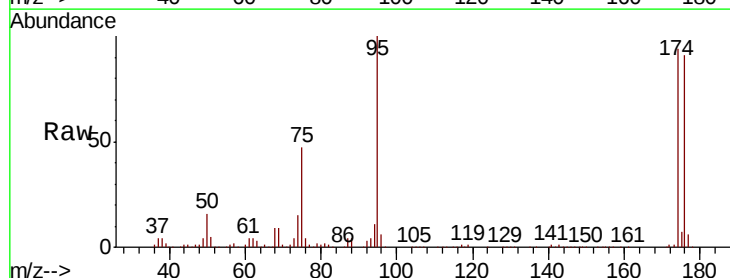
Acq: 15 Sep 2018 18:40

Tgt Ion: 75 Resp: 82252

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

80000

60000

40000

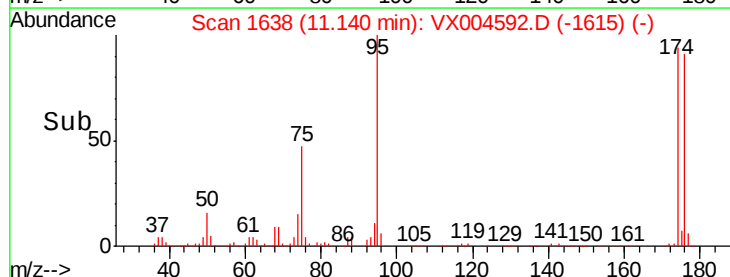
20000

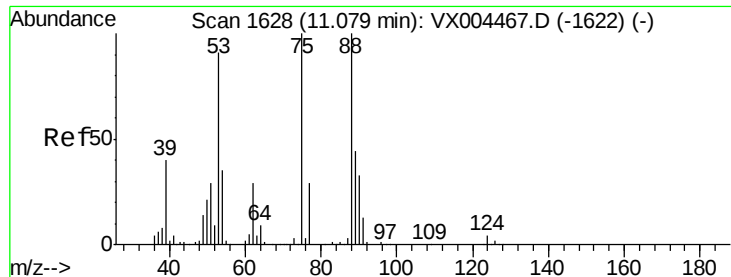
0

11.10

11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 71.40 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

PZ-6

Tot Ion: 75 Resp: 82252

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#

