

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102518\
 Data File : VX005589.D
 Acq On : 25 Oct 2018 15:10
 Operator : JC/MD
 Sample : J5656-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WS-DRUM

Quant Time: Oct 26 05:22:33 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	5.67	168	204795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	308488	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133596	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	137713	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
35) Dibromofluoromethane	5.51	113	102180	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	8.71	98	370496	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	121121	42.73	ug/l	0.00
Spiked Amount			Recovery	=	85.46%	

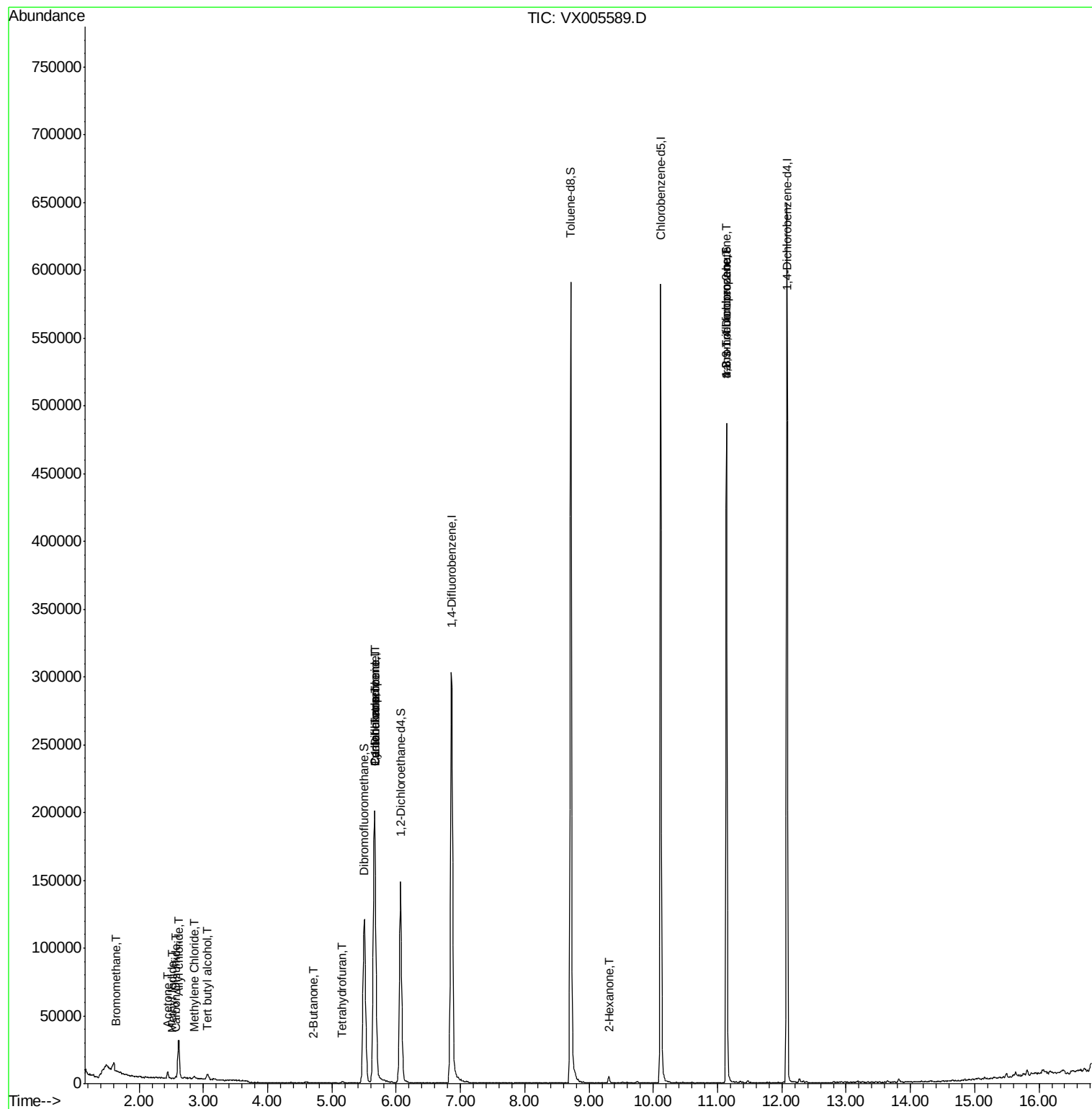
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	341	0.217	ug/l #	47
10) Methyl Iodide	2.51	142	185	2.808	ug/l #	84
11) Tert butyl alcohol	3.07	59	4437	6.596	ug/l #	89
14) Allyl chloride	2.62	41	2786	0.649	ug/l #	61
16) Acetone	2.45	43	4767	3.609	ug/l	100
17) Carbon Disulfide	2.57	76	1703	0.291	ug/l #	77
18) Methyl Acetate	2.78	43	292	Below Cal	#	55
20) Methylene Chloride	2.85	84	722	0.326	ug/l #	78
25) 2-Butanone	4.70	43	598	0.297	ug/l #	70
29) Tetrahydrofuran	5.15	42	1081	0.826	ug/l #	71
31) Cyclohexane	5.67	56	4043	1.200	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14545	4.858	ug/l #	49
38) Carbon Tetrachloride	5.67	117	19567	6.206	ug/l #	14
59) 2-Hexanone	9.31	43	2737	0.902	ug/l	75
76) 1,2,3-Trichloropropane	11.14	75	62453	22.064	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	62453	72.094	ug/l #	9

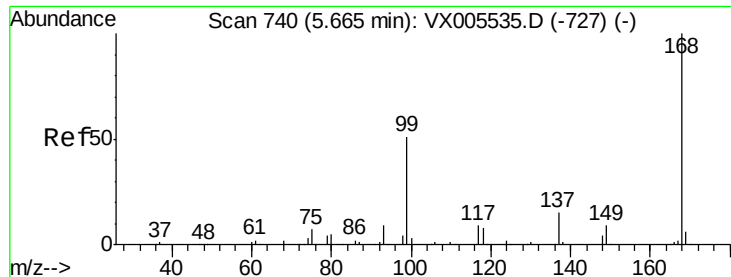
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

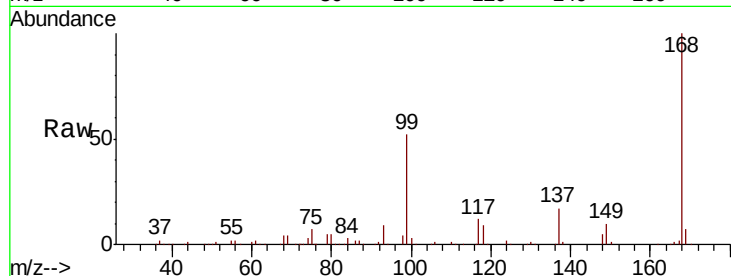
WS-DRUM

Tot Ion:168 Resp: 204795

Ion Ratio Lower Upper

168 100

99 51.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

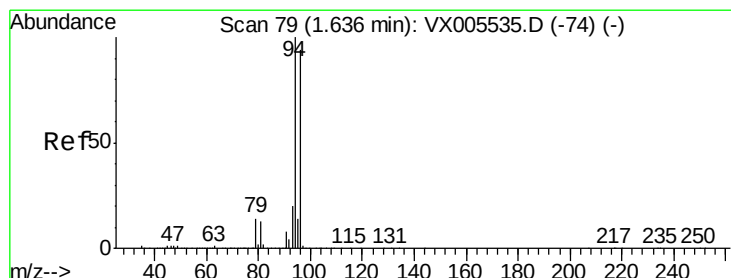
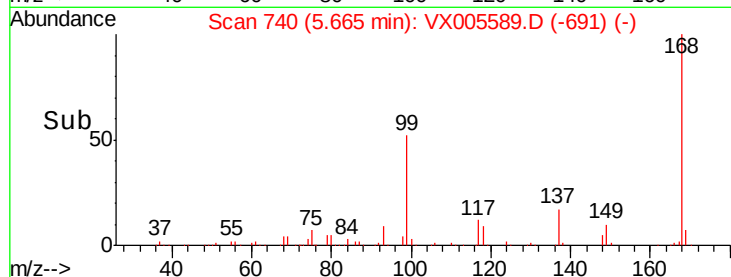
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.217 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005589.D

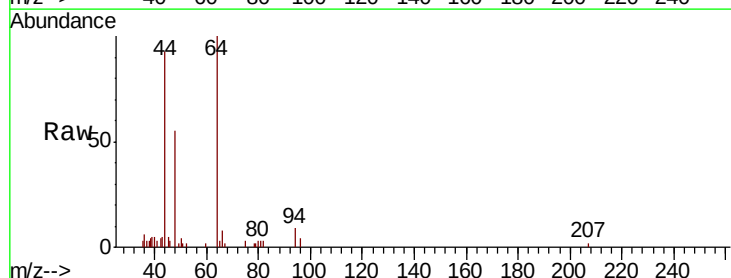
Acq: 25 Oct 2018 15:10

Tgt Ion: 94 Resp: 341

Ion Ratio Lower Upper

94 100

96 43.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

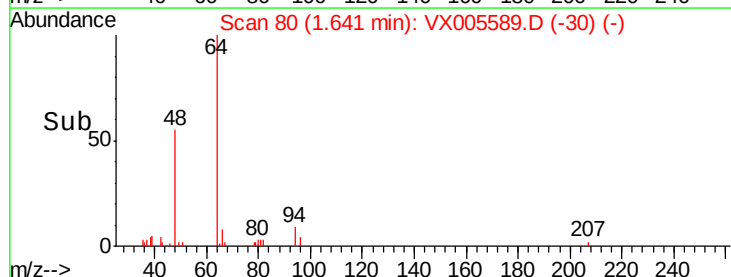
150

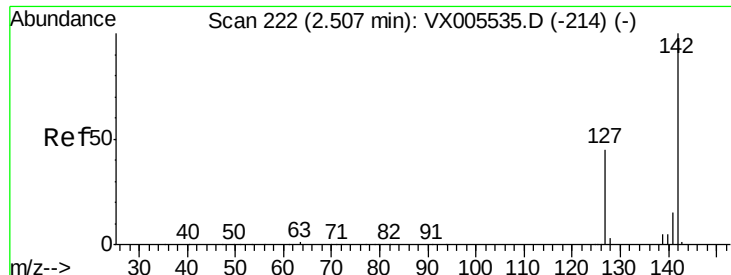
100

50

0

Time--> 1.60 1.62 1.64 1.66 1.68

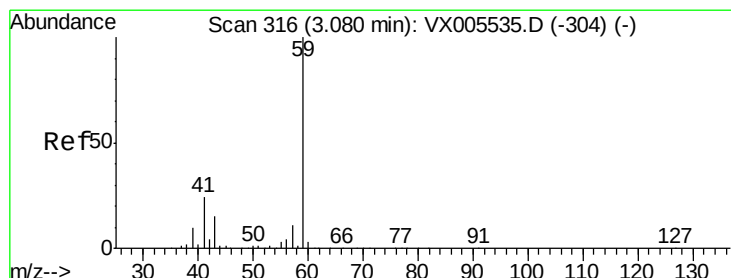
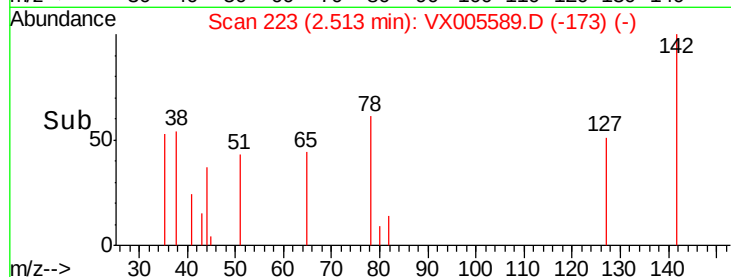
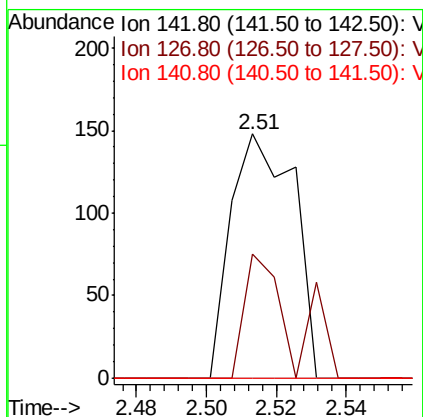
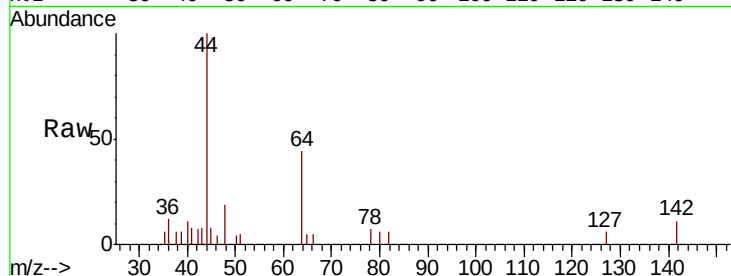




#10
Methvl Iodide
Concen: 2.808 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005589.D
Acq: 25 Oct 2018 15:10

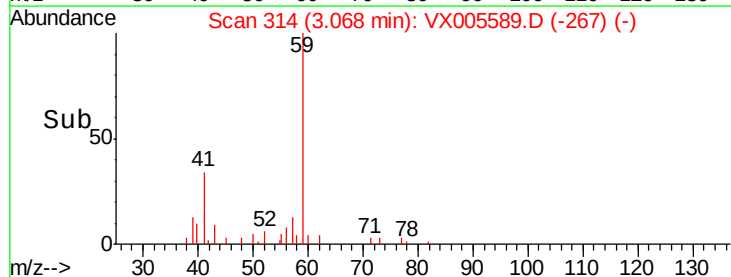
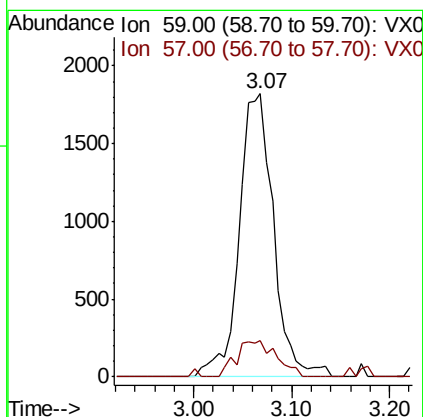
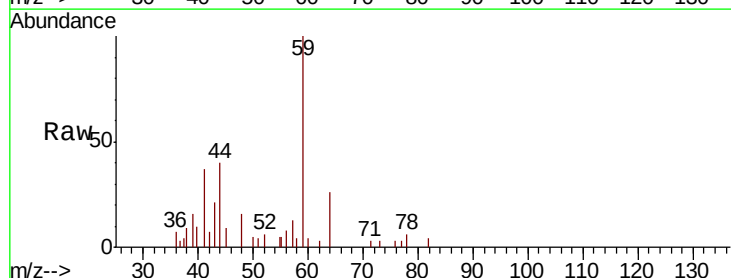
Instrument :
MSVOA_X
ClientSampleId :
WS-DRUM

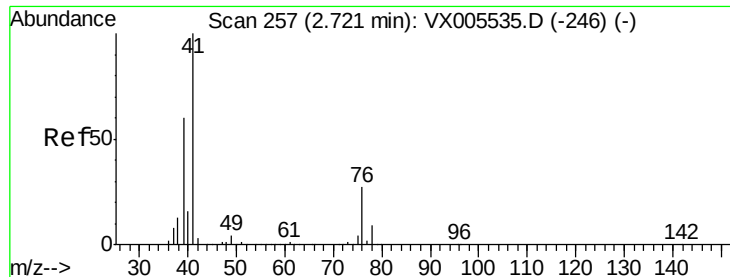
Tot Ion:142 Resp: 185
Ion Ratio Lower Upper
142 100
127 38.4 36.0 54.0
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 6.596 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005589.D
Acq: 25 Oct 2018 15:10

Tgt Ion: 59 Resp: 4437
Ion Ratio Lower Upper
59 100
57 14.9 8.5 12.7#

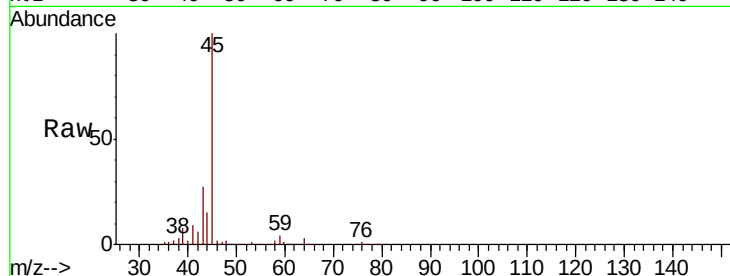




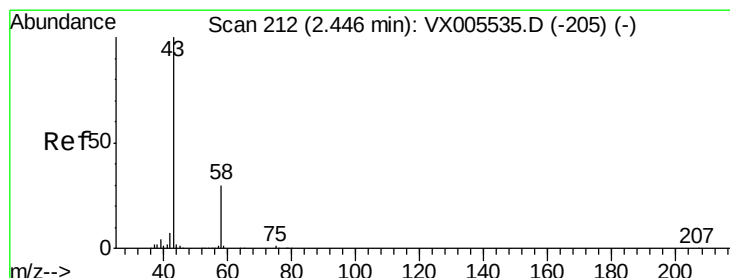
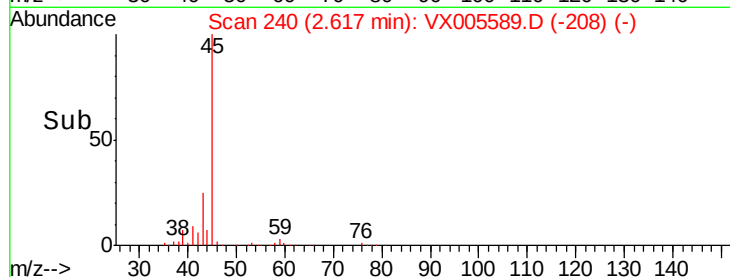
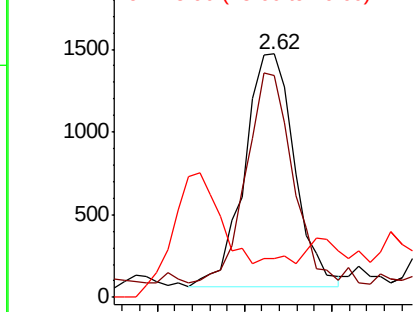
#14
Allvl chloride
Concen: 0.649 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX005589.D
Acq: 25 Oct 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
WS-DRUM

Tot Ion: 41 Resp: 2786
Ion Ratio Lower Upper
41 100
39 85.5 48.2 72.4#
76 0.0 21.9 32.9#

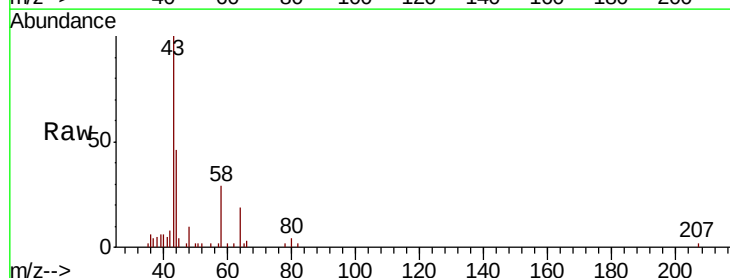


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0

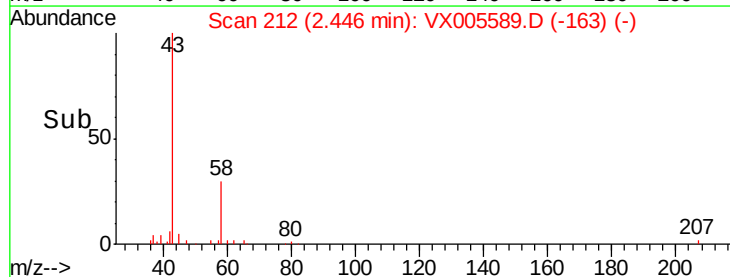
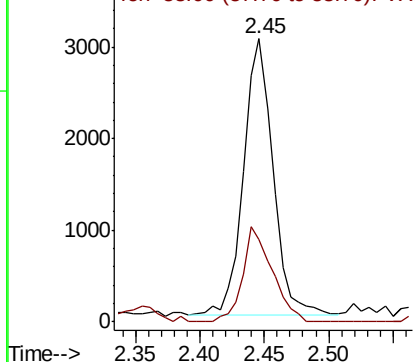


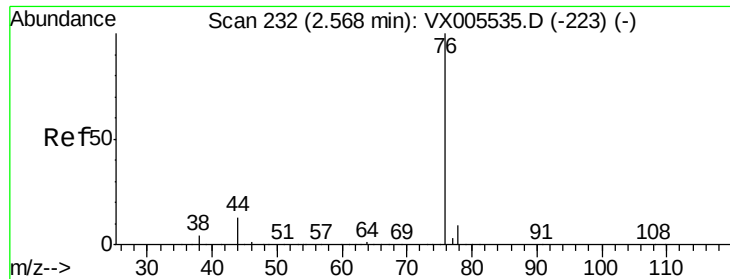
#16
Acetone
Concen: 3.609 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005589.D
Acq: 25 Oct 2018 15:10

Tgt Ion: 43 Resp: 4767
Ion Ratio Lower Upper
43 100
58 29.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.291 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

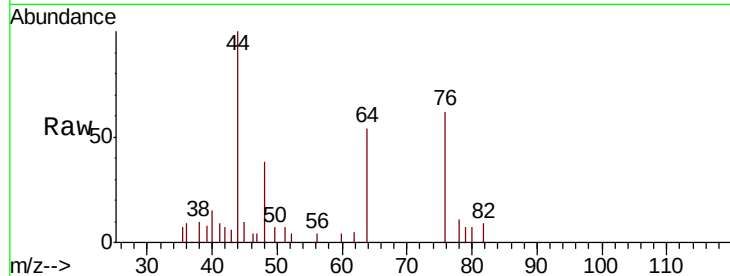
WS-DRUM

Tot Ion: 76 Resp: 1703

Ion Ratio Lower Upper

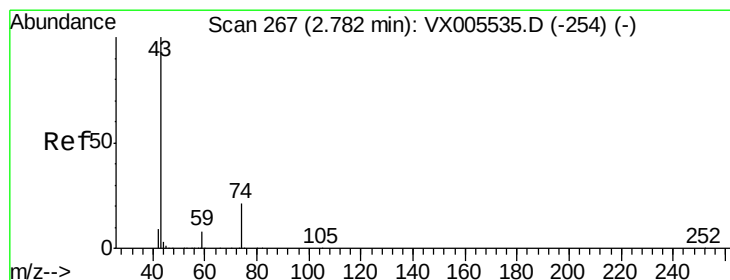
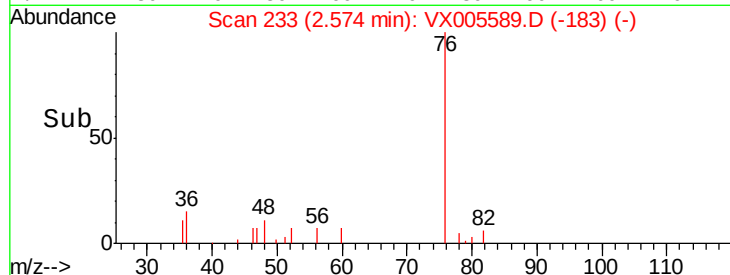
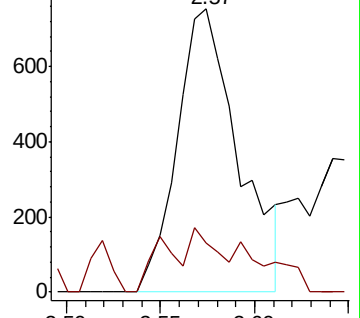
76 100

78 17.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005589.D

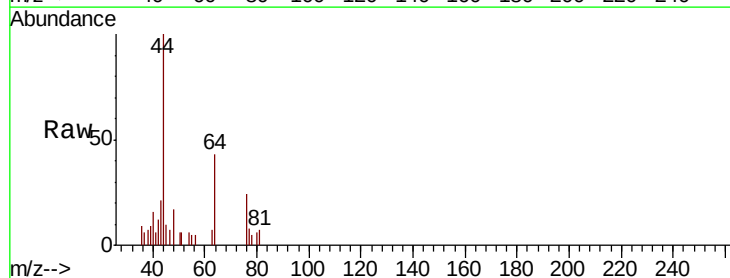
Acq: 25 Oct 2018 15:10

Tgt Ion: 43 Resp: 292

Ion Ratio Lower Upper

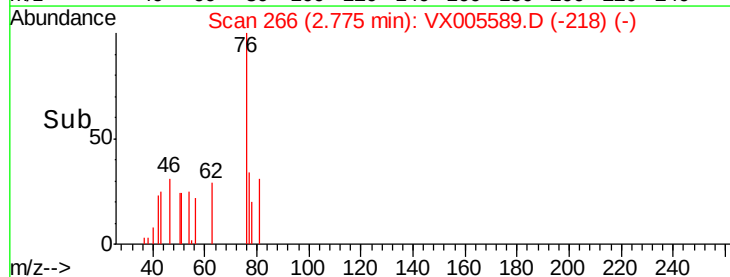
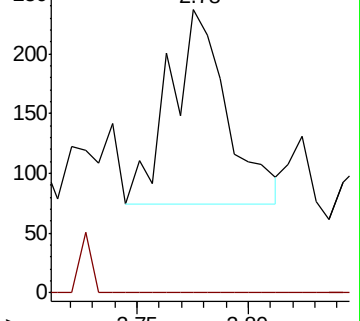
43 100

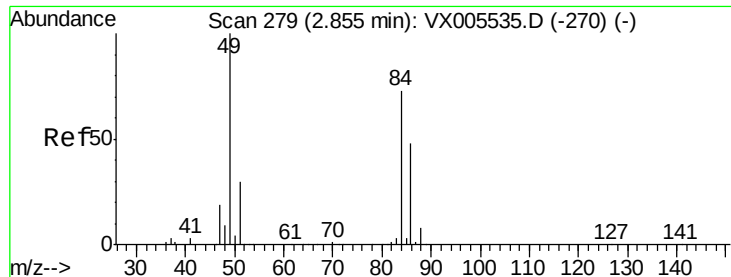
74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.326 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

Instrument :

MSVOA_X

ClientSampled :

WS-DRUM

Tot Ion: 84 Resp: 722

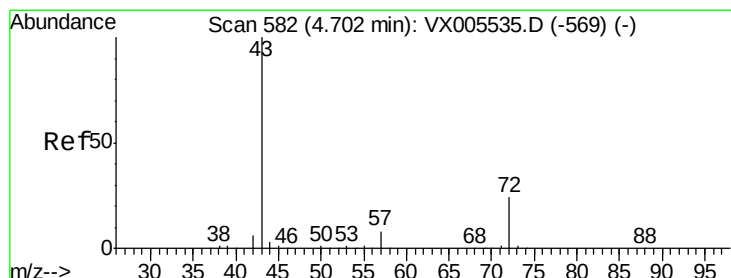
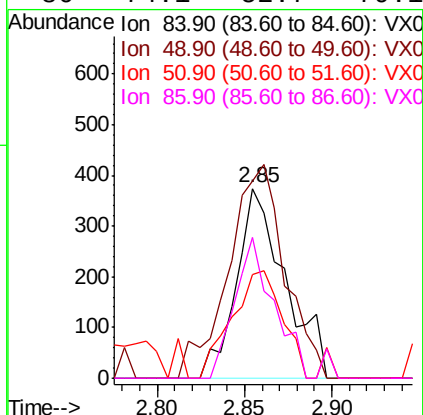
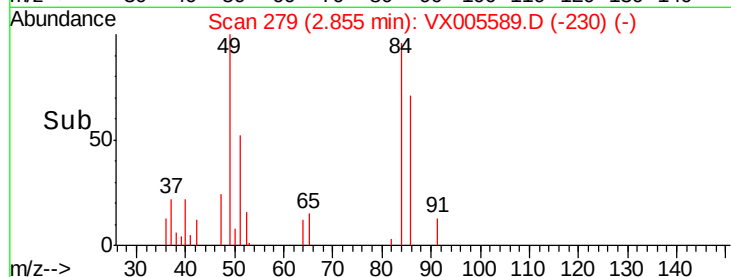
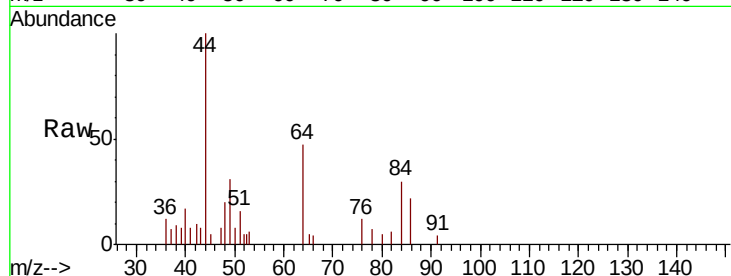
Ion Ratio Lower Upper

84 100

49 104.0 109.5 164.3#

51 54.5 33.3 49.9#

86 74.1 52.7 79.1



#25

2-Butanone

Concen: 0.297 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005589.D

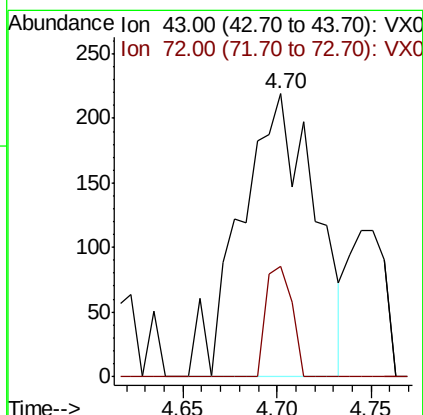
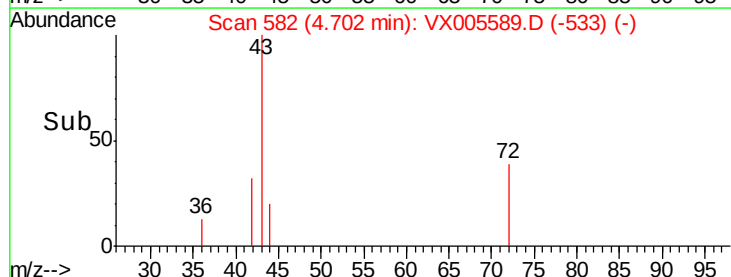
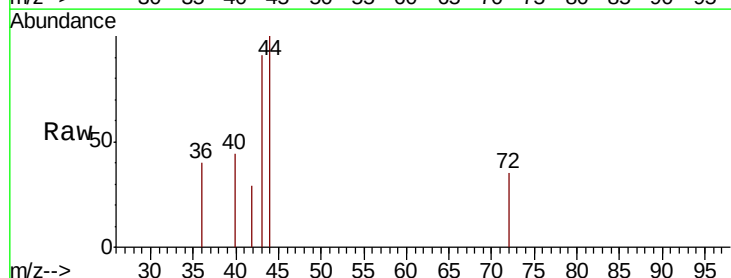
Acq: 25 Oct 2018 15:10

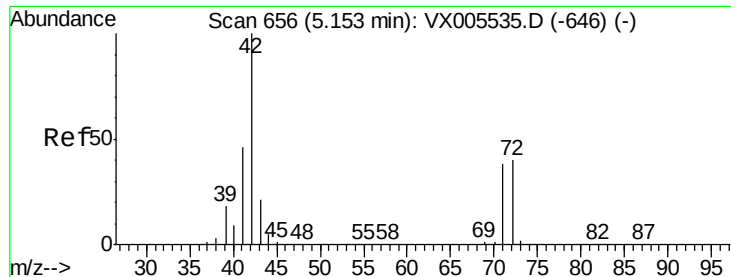
Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

72 38.8 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.826 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

WS-DRUM

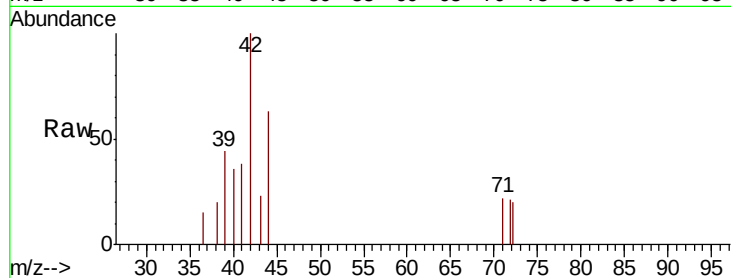
Tot Ion: 42 Resp: 1081

Ion Ratio Lower Upper

42 100

72 17.4 32.0 48.0#

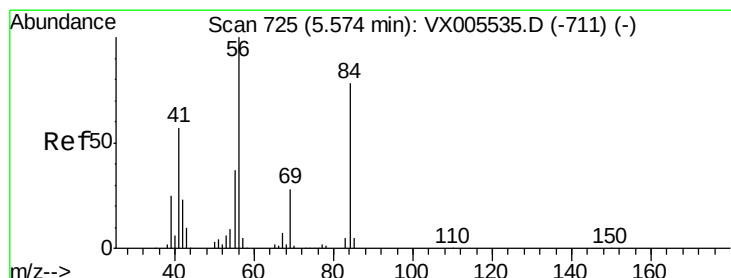
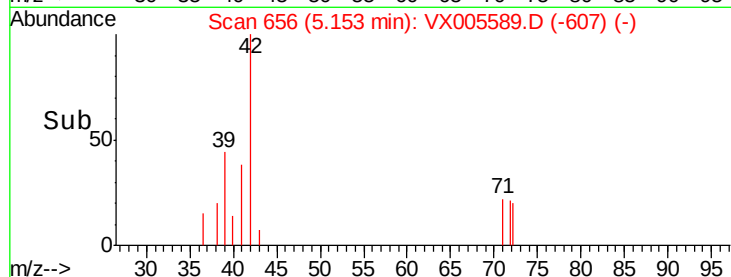
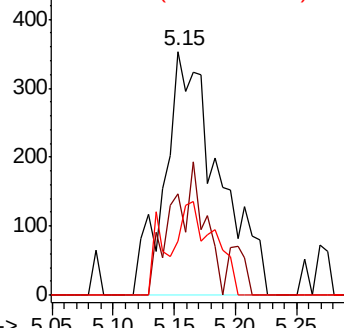
71 24.5 29.8 44.8#



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: 1.200 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.10 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

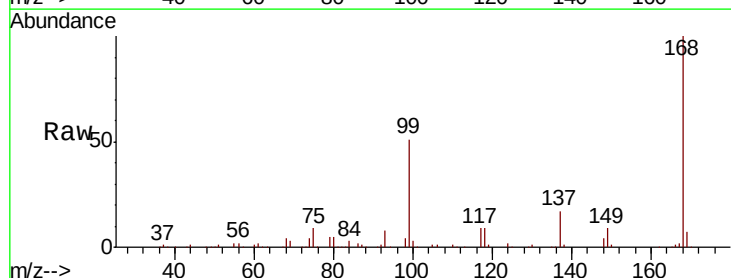
Tgt Ion: 56 Resp: 4043

Ion Ratio Lower Upper

56 100

69 141.9 22.6 34.0#

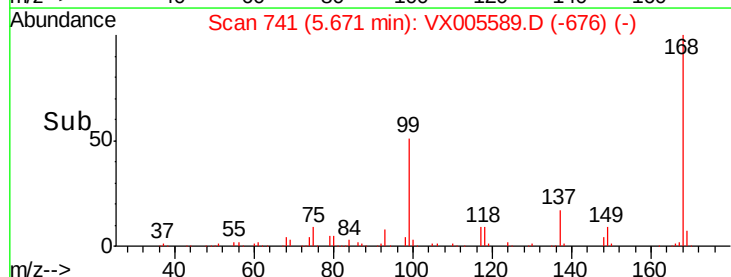
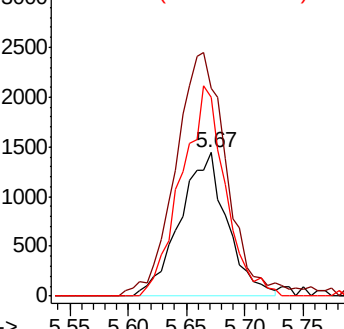
84 139.2 62.7 94.1#

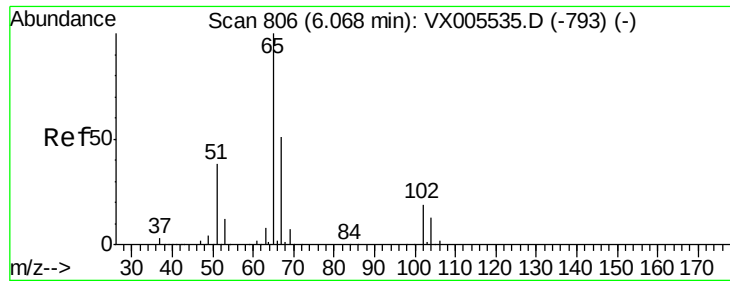


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

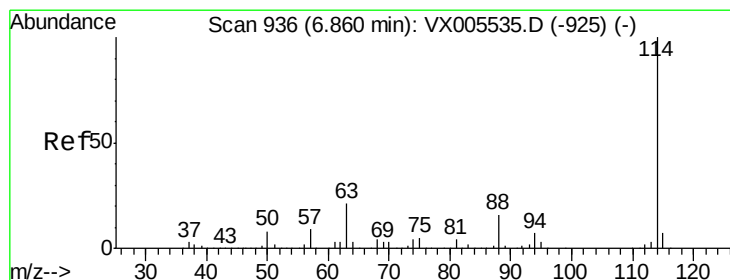
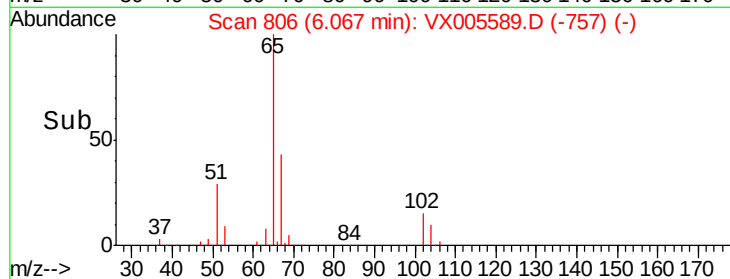
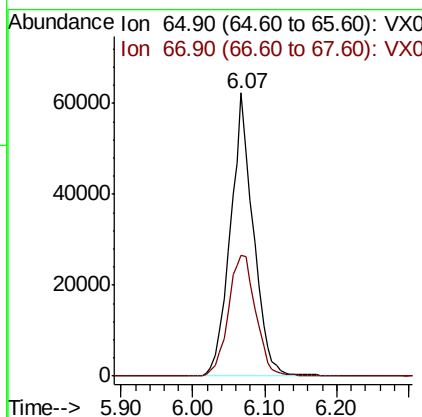
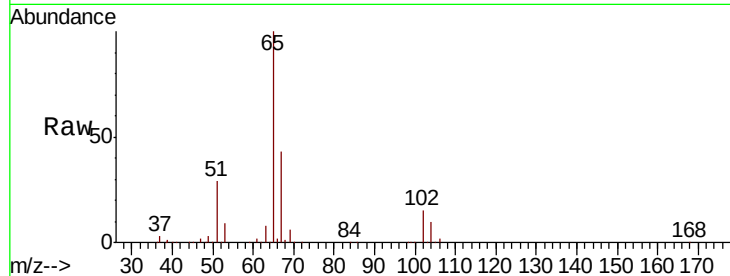




#33
 1,2-Dichloroethane-d4
 Concen: 55.087 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005589.D
 Acq: 25 Oct 2018 15:10

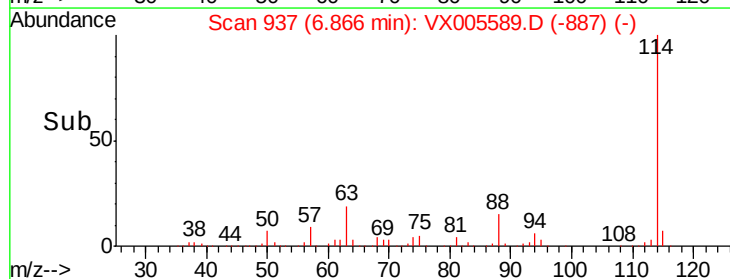
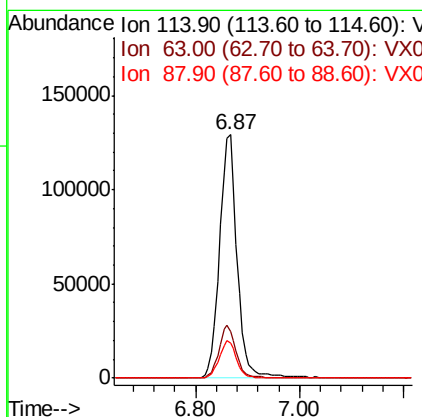
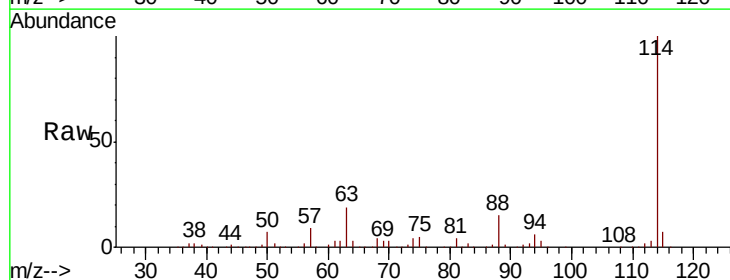
Instrument :
 MSVOA_X
 ClientSampleId :
 WS-DRUM

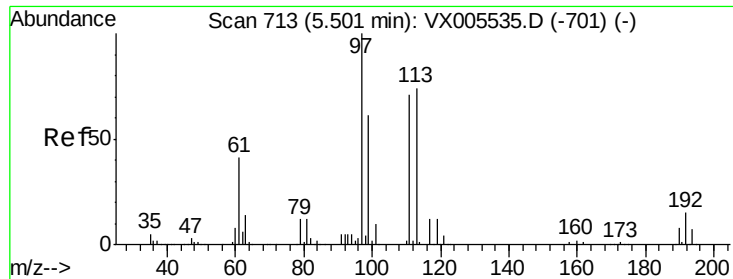
Tot Ion: 65 Resp: 137713
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005589.D
 Acq: 25 Oct 2018 15:10

Tgt Ion: 114 Resp: 308488
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.8
 88 14.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.918 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

WS-DRUM

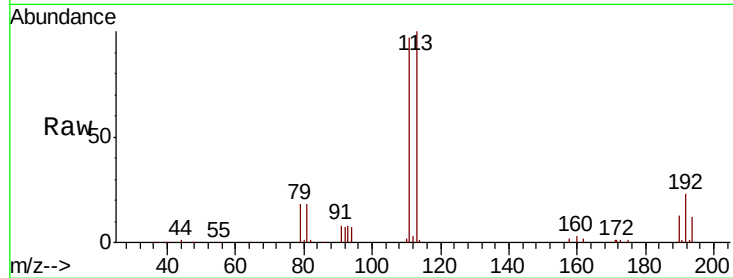
Tot Ion:113 Resp: 102180

Ion Ratio Lower Upper

113 100

111 103.8 82.3 123.5

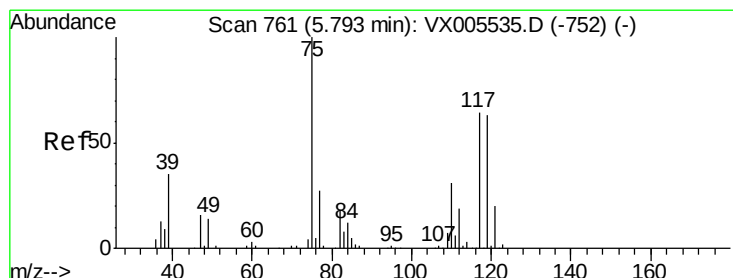
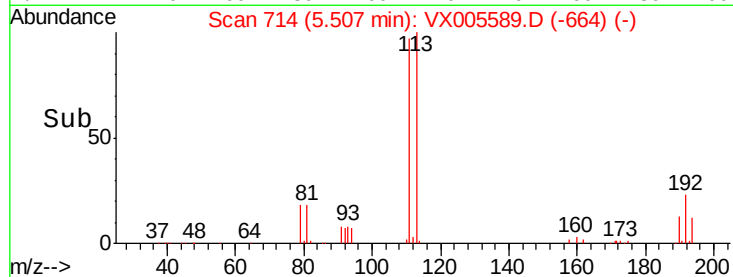
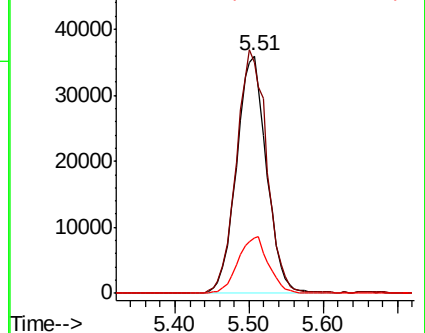
192 23.9 17.9 26.9



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: 4.858 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

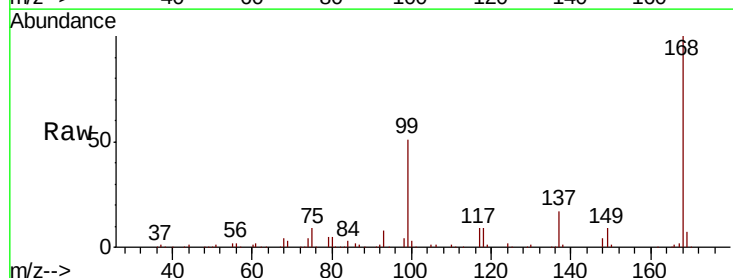
Tgt Ion: 75 Resp: 14545

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.2#

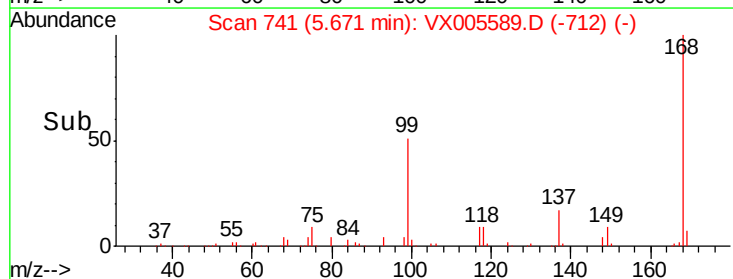
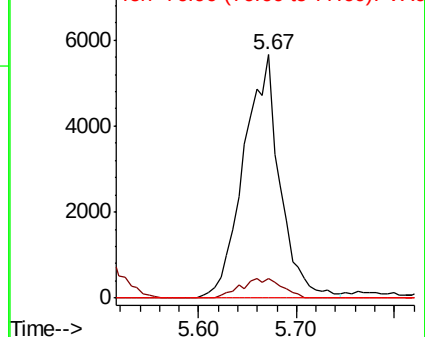
77 0.0 25.8 38.6#

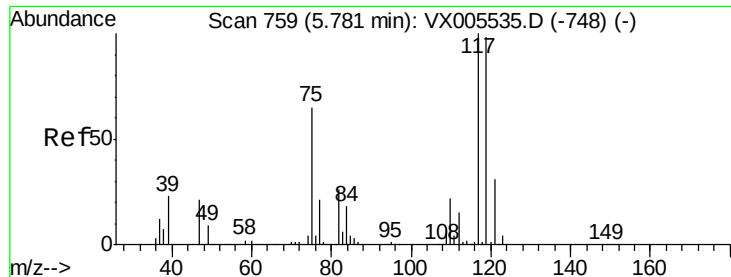


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.206 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

Instrument :

MSVOA_X

ClientSampled :

WS-DRUM

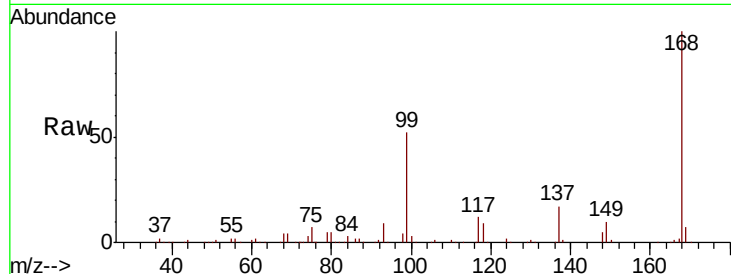
Tot Ion:117 Resp: 19567

Ion Ratio Lower Upper

117 100

119 4.1 78.1 117.1#

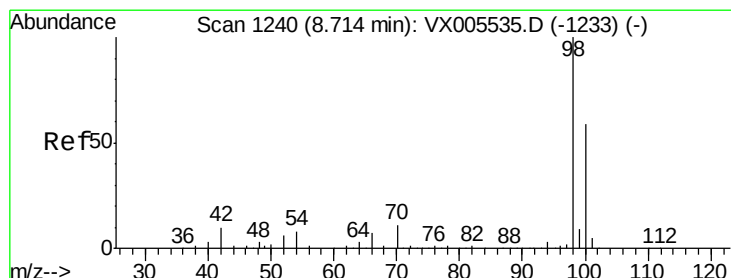
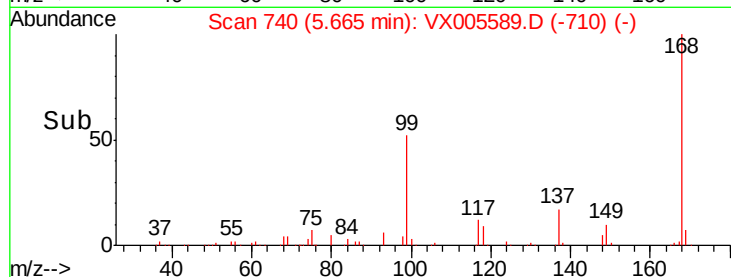
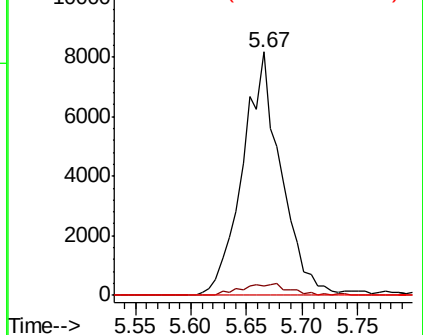
121 0.0 24.6 36.8#



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: 49.363 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005589.D

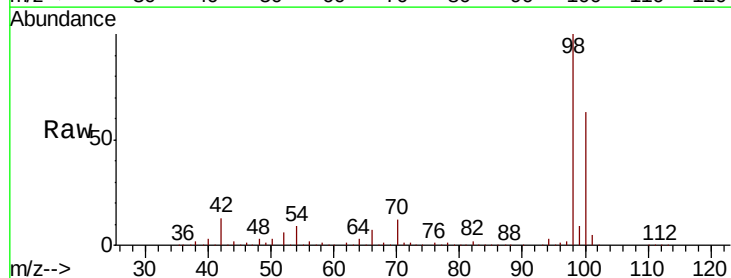
Acq: 25 Oct 2018 15:10

Tgt Ion: 98 Resp: 370496

Ion Ratio Lower Upper

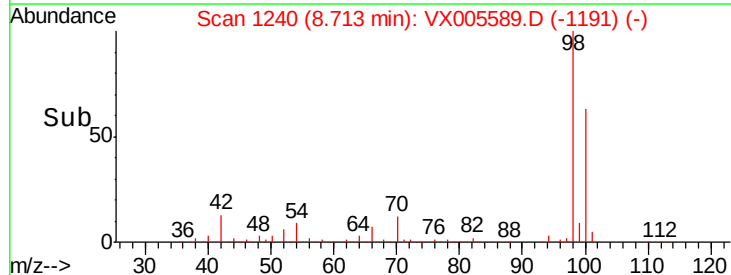
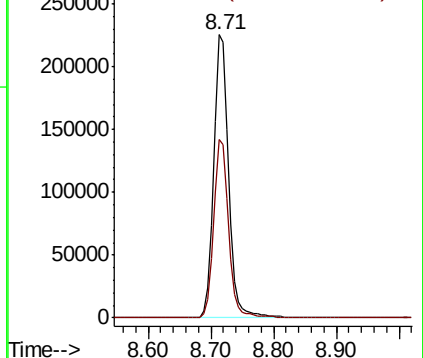
98 100

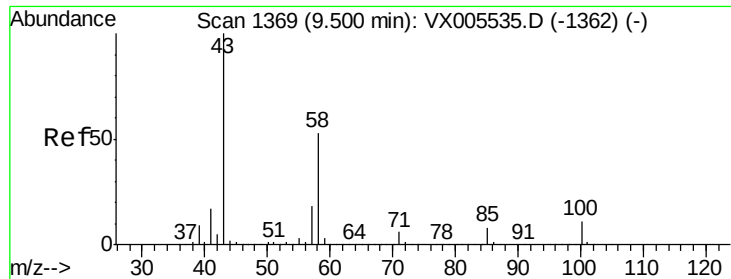
100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

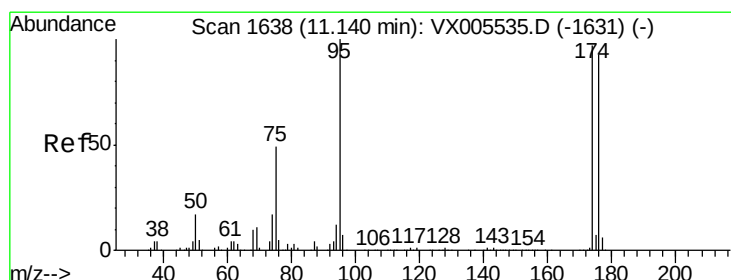
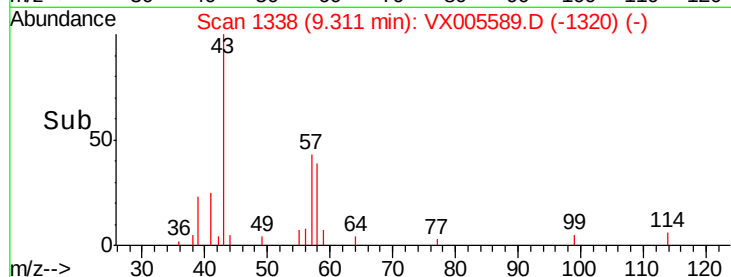
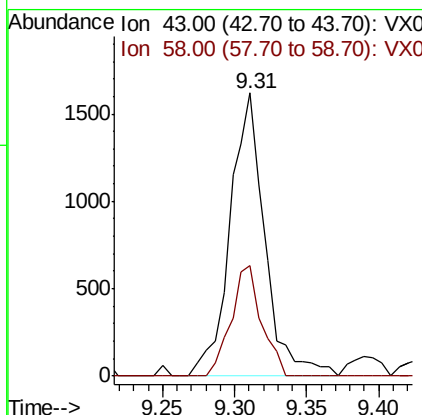
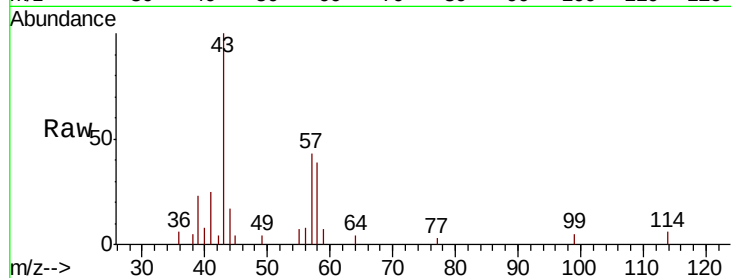




#59
2-Hexanone
Concen: 0.902 ug/l
RT: 9.31 min Scan# 1338
Delta R.T. -0.19 min
Lab File: VX005589.D
Acq: 25 Oct 2018 15:10

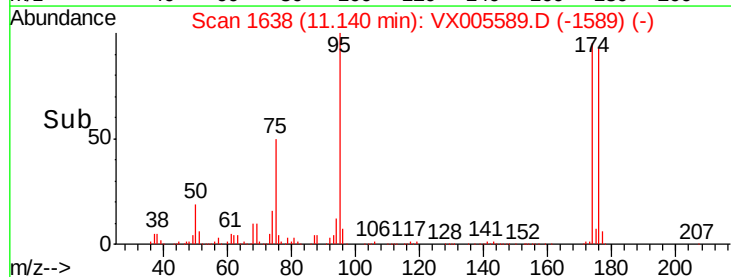
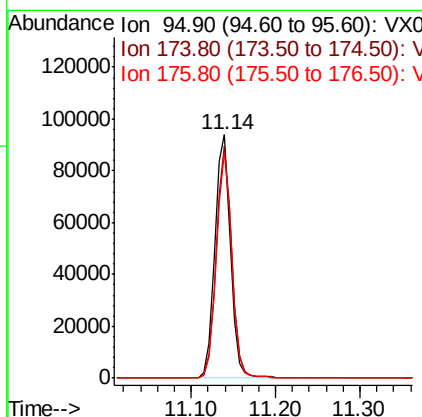
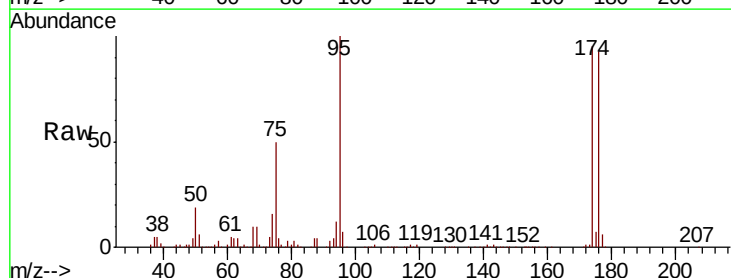
Instrument :
MSVOA_X
ClientSampleId :
WS-DRUM

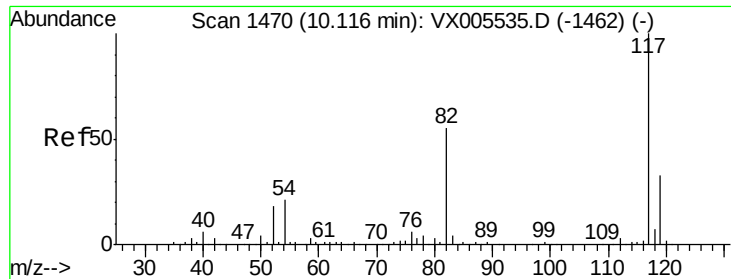
Tot Ion: 43 Resp: 2737
Ion Ratio Lower Upper
43 100
58 34.0 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 42.732 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005589.D
Acq: 25 Oct 2018 15:10

Tgt Ion: 95 Resp: 121121
Ion Ratio Lower Upper
95 100
174 94.8 0.0 184.4
176 91.2 0.0 177.4

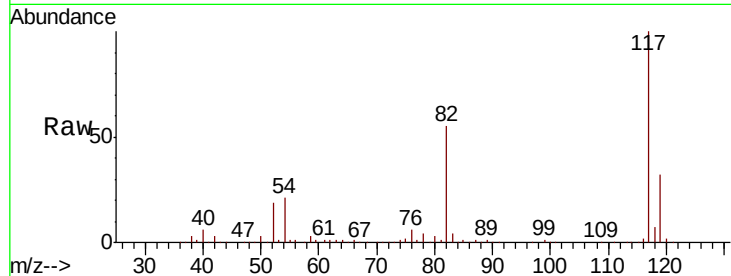




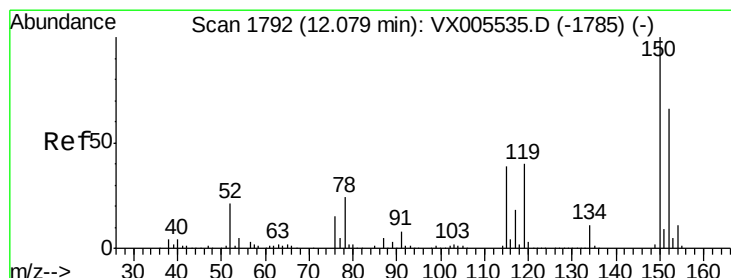
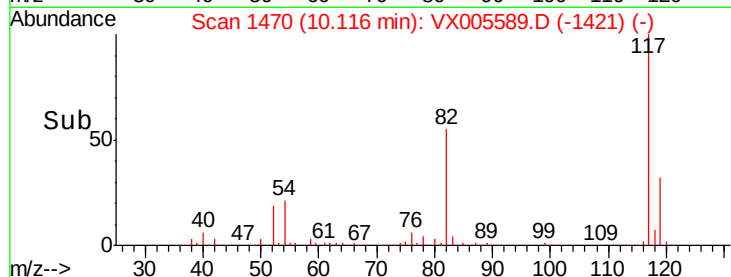
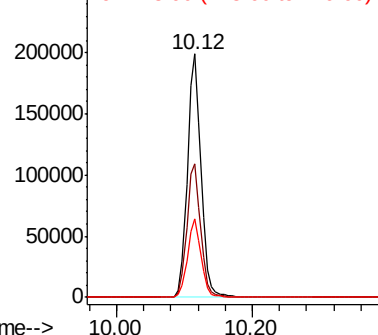
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005589.D
Acq: 25 Oct 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
WS-DRUM

Tot Ion:117 Resp: 276515
Ion Ratio Lower Upper
117 100
82 54.9 44.1 66.1
119 32.2 26.2 39.2

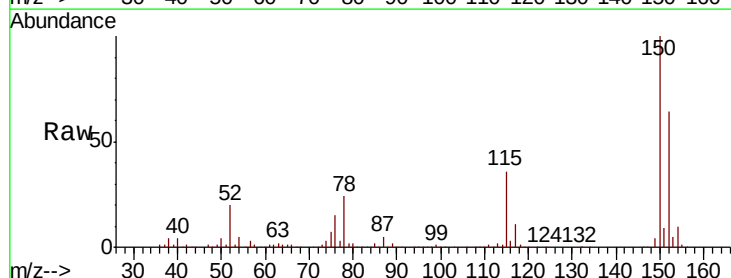


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

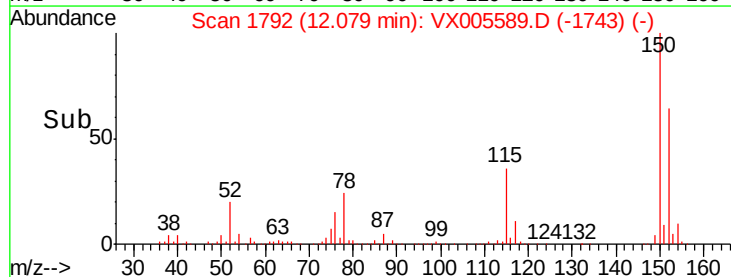
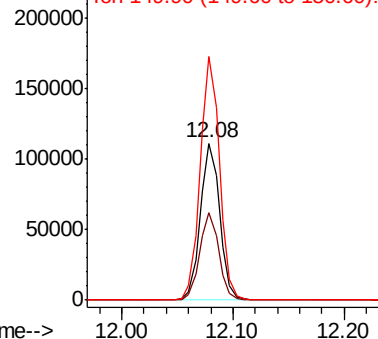


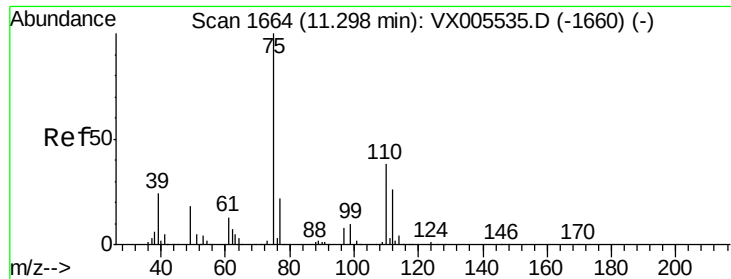
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005589.D
Acq: 25 Oct 2018 15:10

Tgt Ion:152 Resp: 133596
Ion Ratio Lower Upper
152 100
115 55.2 39.4 118.1
150 155.4 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: 22.064 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

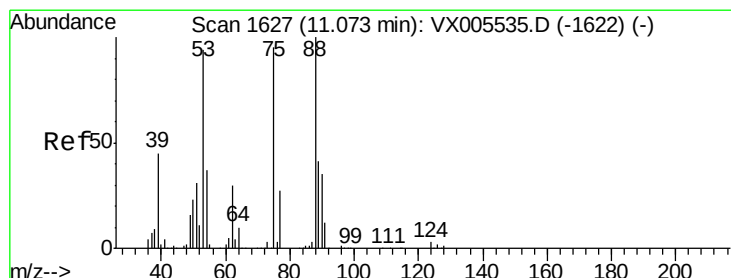
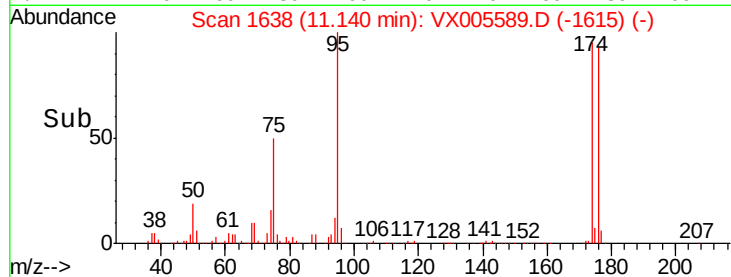
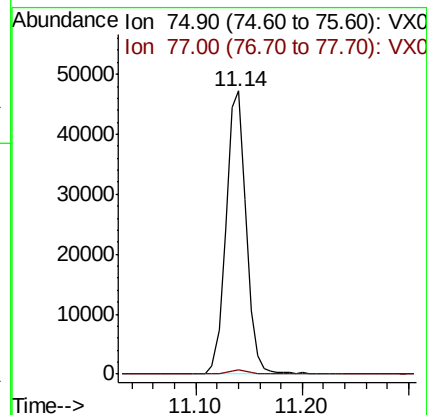
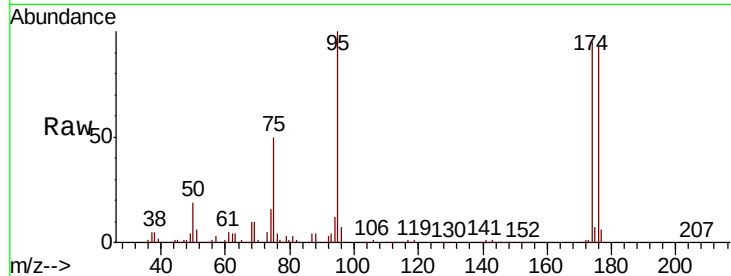
WS-DRUM

Tot Ion: 75 Resp: 62453

Ion Ratio Lower Upper

75 100

77 1.3 20.5 61.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.094 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005589.D

Acq: 25 Oct 2018 15:10

Tgt Ion: 75 Resp: 62453

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#

