

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003810.D
 Acq On : 01 Aug 2018 22:11
 Operator : JC/SP
 Sample : J4121-08RE
 Misc : 11.48G/5.0mL/MSVOA X/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:58:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	110477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	176942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	164438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	80578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	53531	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	5.51	113	45189	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	
50) Toluene-d8	8.72	98	171046	39.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.76%	
62) 4-Bromofluorobenzene	11.14	95	59897	37.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.80%	

Target Compounds

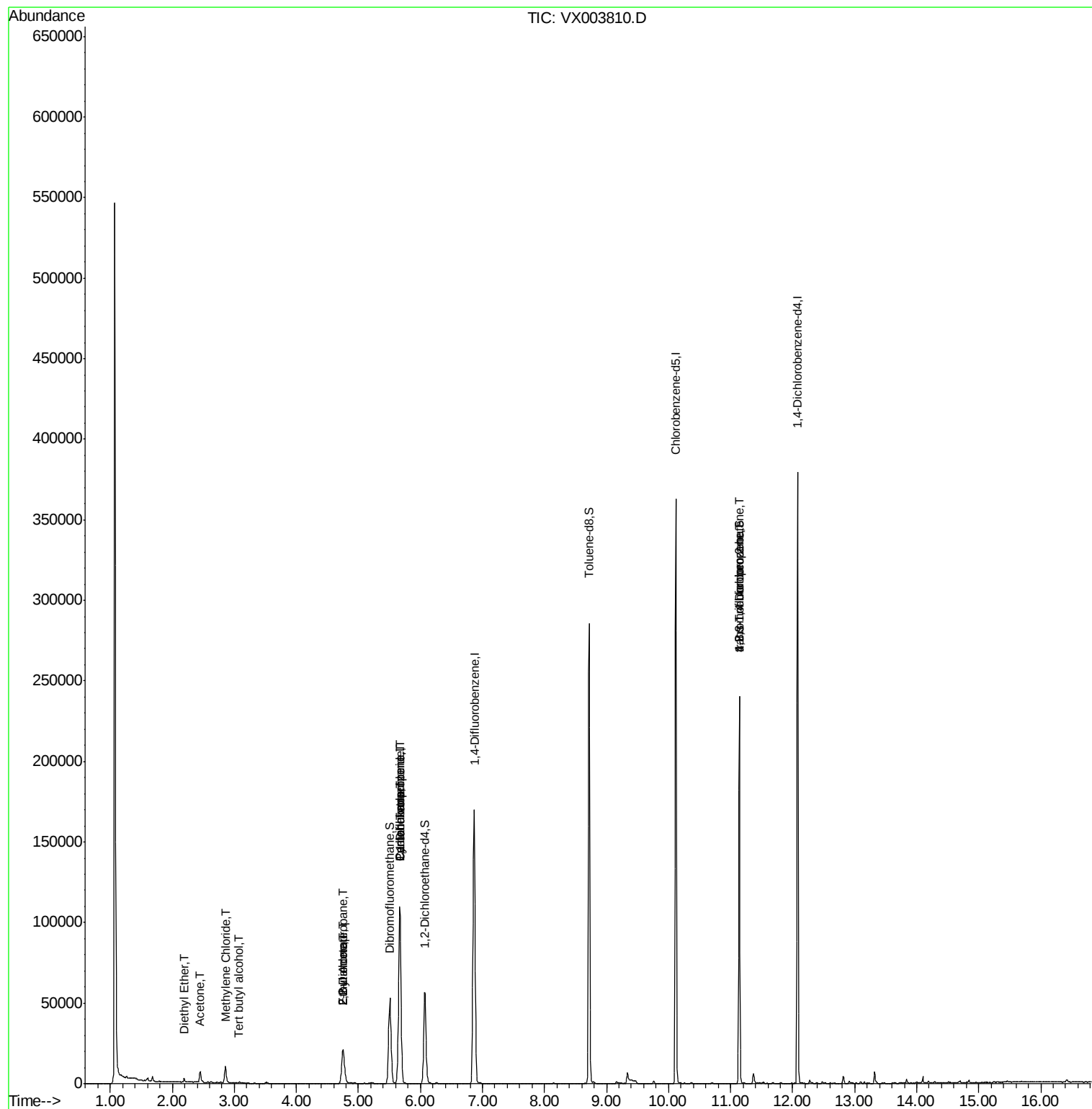
						Qvalue
5) Bromomethane	1.64	94	69	Below Cal	#	2
8) Diethyl Ether	2.19	74	762	1.22	ug/l	89
11) Tert butyl alcohol	3.07	59	339	1.87	ug/l #	73
16) Acetone	2.45	43	7236	16.95	ug/l	96
20) Methylene Chloride	2.86	84	4796	1.16	ug/l	97
25) 2-Butanone	4.74	43	1437	2.31	ug/l #	78
26) 2,2-Dichloropropane	4.75	77	1816	1.25	ug/l #	51
31) Cyclohexane	5.67	56	1864	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	7256	4.38	ug/l #	48
37) Ethyl Acetate	4.74	43	1437	1.13	ug/l #	1
38) Carbon Tetrachloride	5.67	117	9851	6.43	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	28591	25.74	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	28591	76.25	ug/l #	11

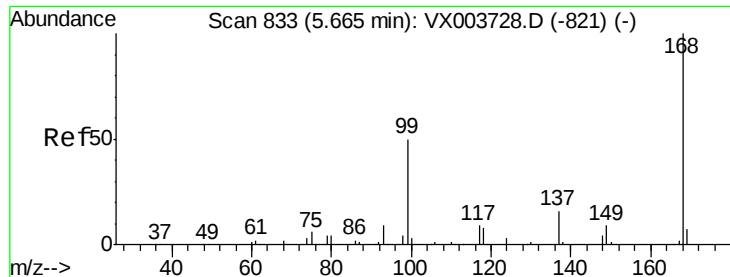
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

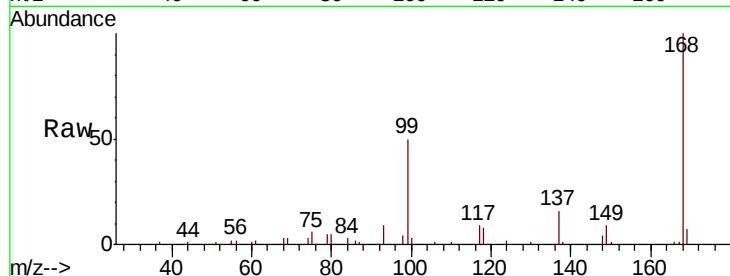
ClientSampled :

Tot Ion:168 Resp: 110477

Ion Ratio Lower Upper

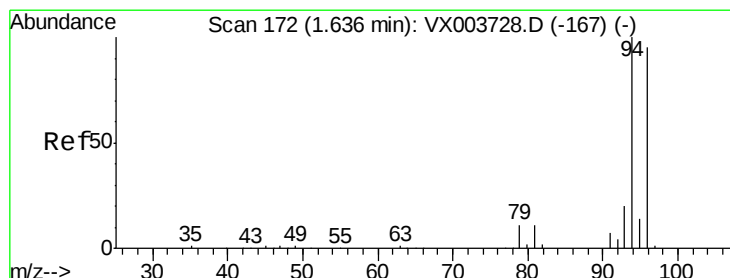
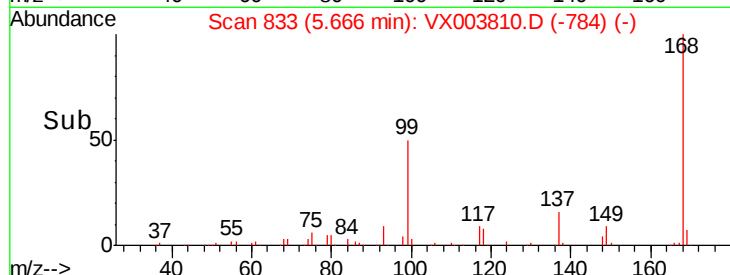
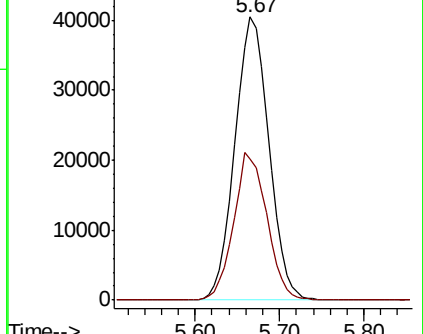
168 100

99 49.7 40.2 60.2



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: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003810.D

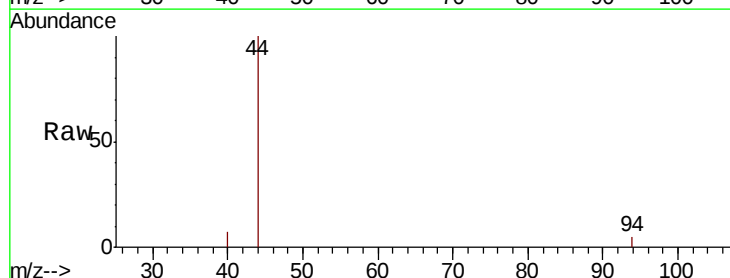
Acq: 01 Aug 2018 22:11

Tgt Ion: 94 Resp: 69

Ion Ratio Lower Upper

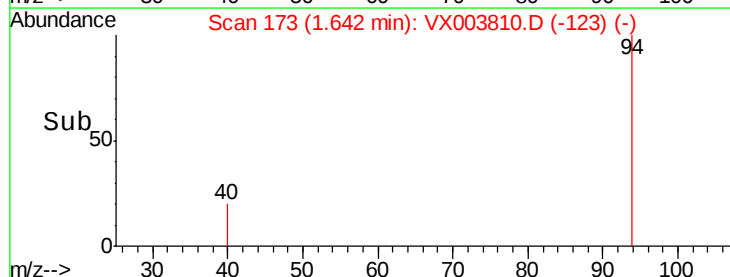
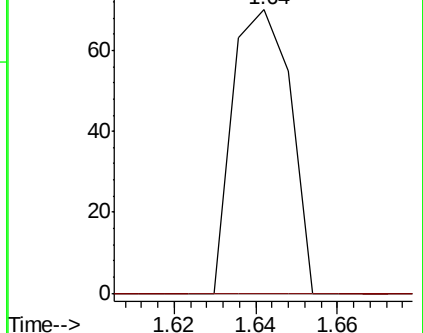
94 100

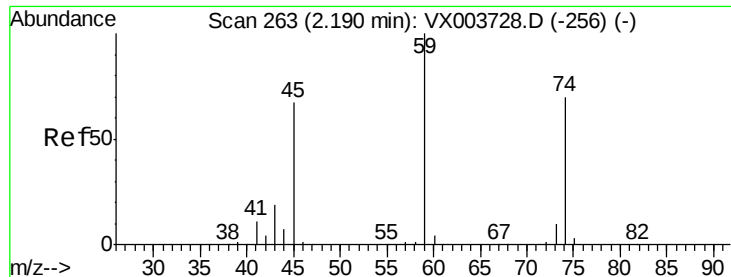
96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

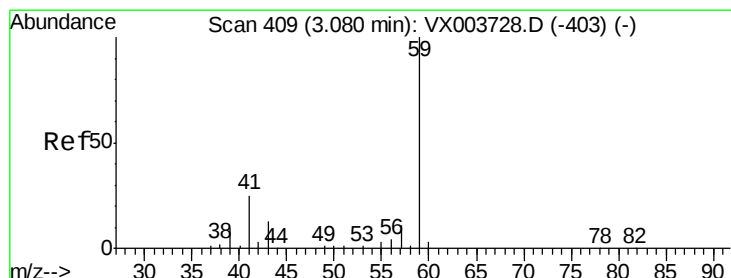
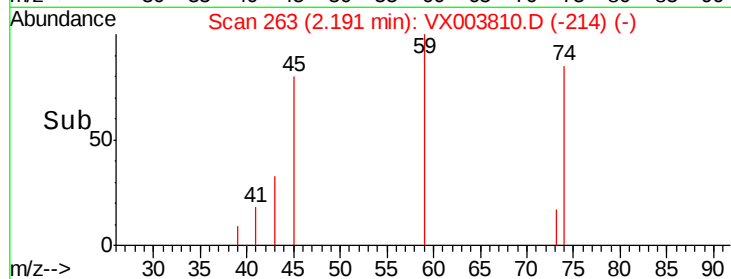
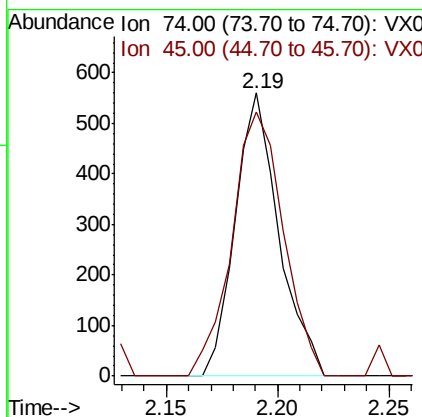
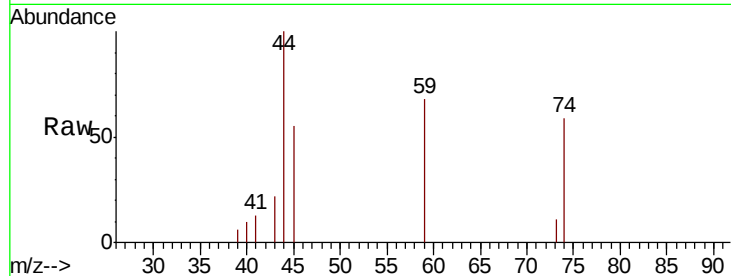




#8
 Diethyl Ether
 Concen: 1.22 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003810.D
 Acq: 01 Aug 2018 22:11

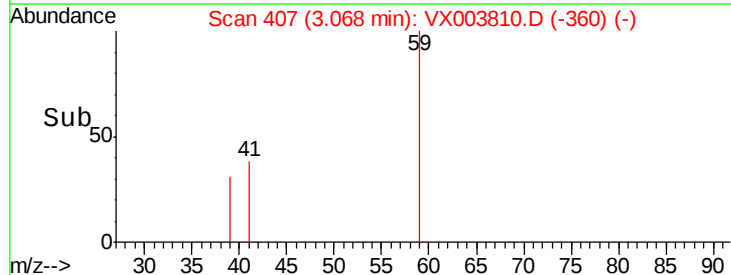
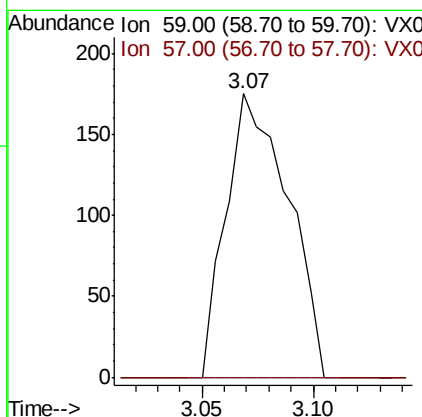
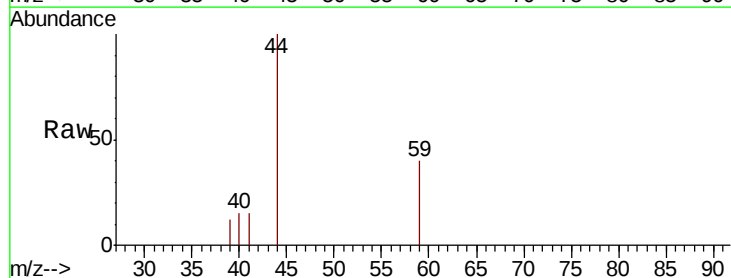
Instrument :
 MSVOA_X
 ClientSampled :

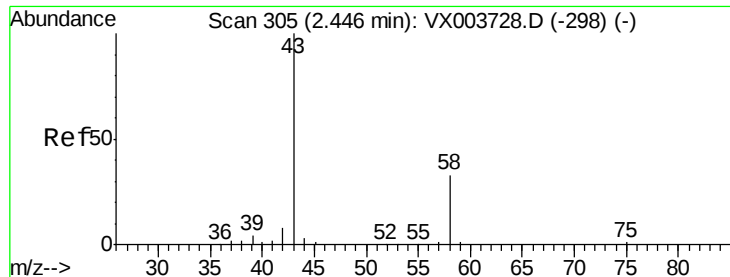
Tot Ion: 74 Resp: 762
 Ion Ratio Lower Upper
 74 100
 45 110.5 49.5 148.7



#11
 Tert butyl alcohol
 Concen: 1.87 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003810.D
 Acq: 01 Aug 2018 22:11

Tgt Ion: 59 Resp: 339
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#





#16

Acetone

Concen: 16.95 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

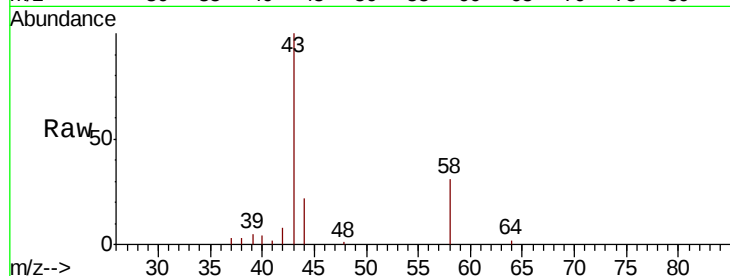
ClientSampled :

Tot Ion: 43 Resp: 7236

Ion Ratio Lower Upper

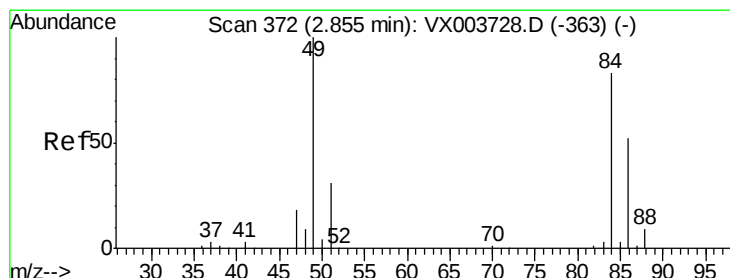
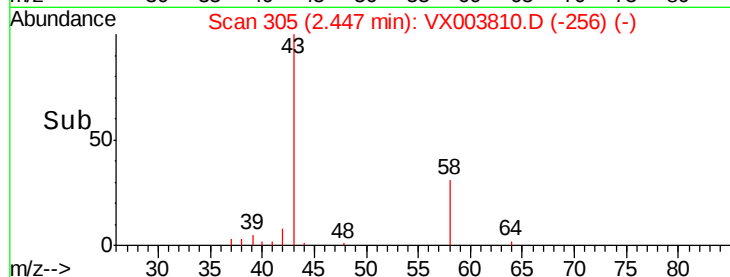
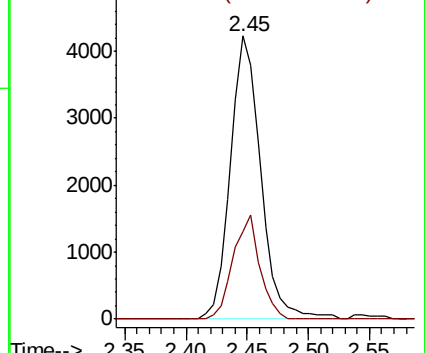
43 100

58 31.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 1.16 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Tgt Ion: 84 Resp: 4796

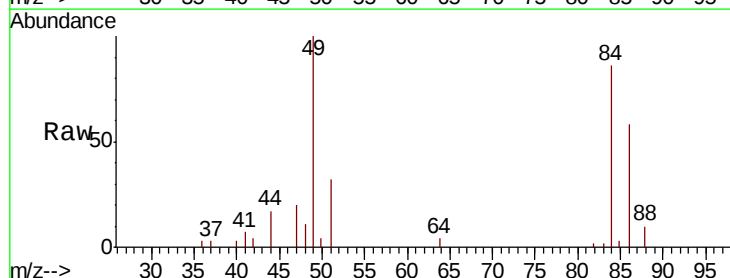
Ion Ratio Lower Upper

84 100

49 116.8 95.8 143.8

51 36.9 29.6 44.4

86 67.2 50.0 75.0

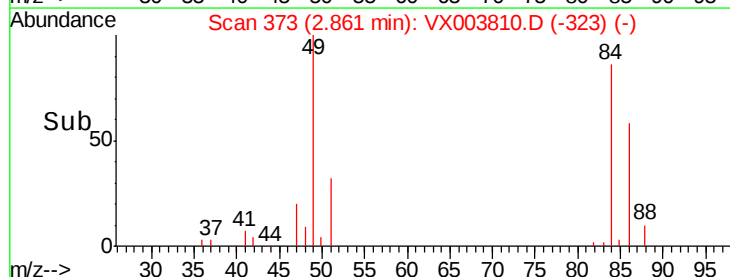
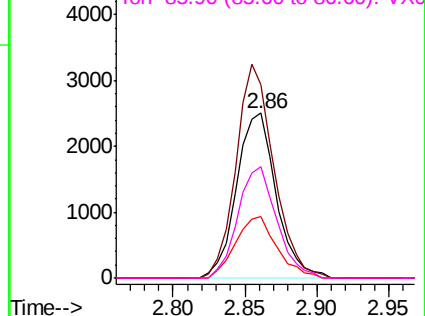


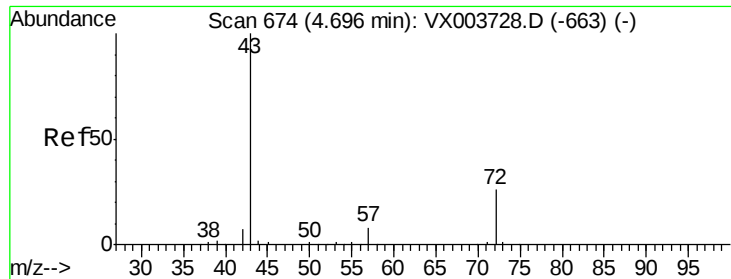
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 2.31 ug/l

RT: 4.74 min Scan# 682

Delta R.T. 0.05 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

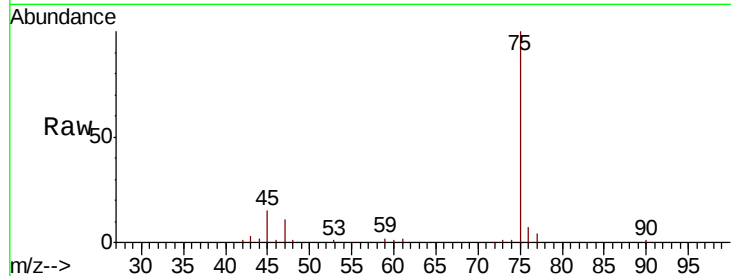
ClientSampleId :

Tot Ion: 43 Resp: 1437

Ion Ratio Lower Upper

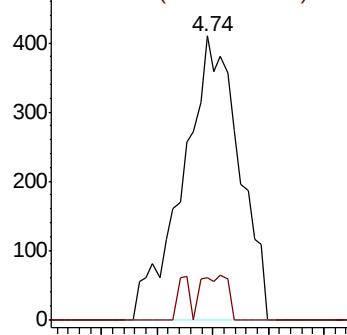
43 100

72 14.6 20.9 31.3#

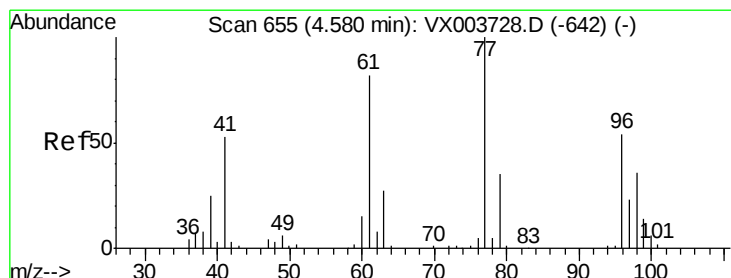
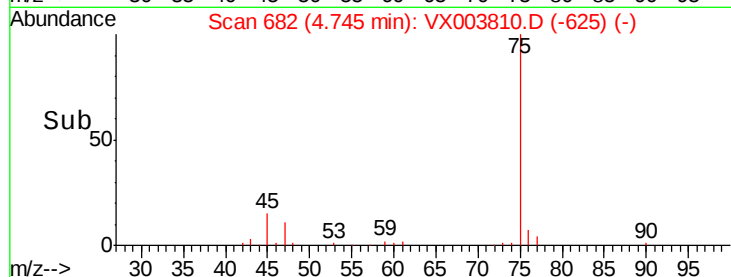


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 1.25 ug/l

RT: 4.75 min Scan# 683

Delta R.T. 0.17 min

Lab File: VX003810.D

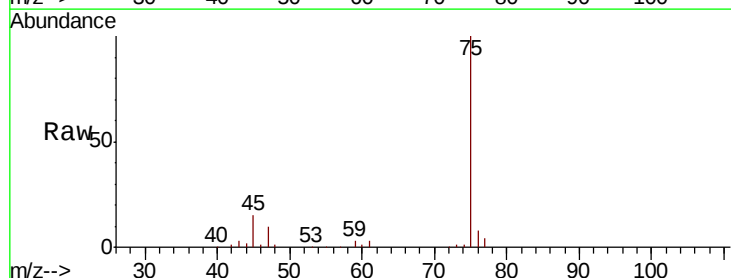
Acq: 01 Aug 2018 22:11

Tgt Ion: 77 Resp: 1816

Ion Ratio Lower Upper

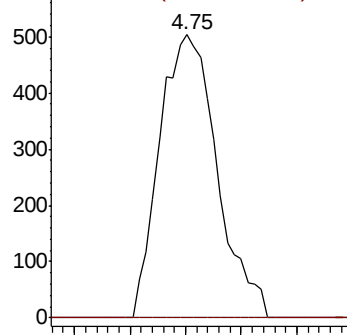
77 100

97 0.0 12.2 36.6#

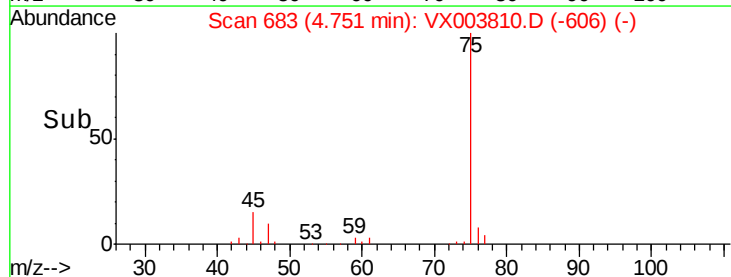


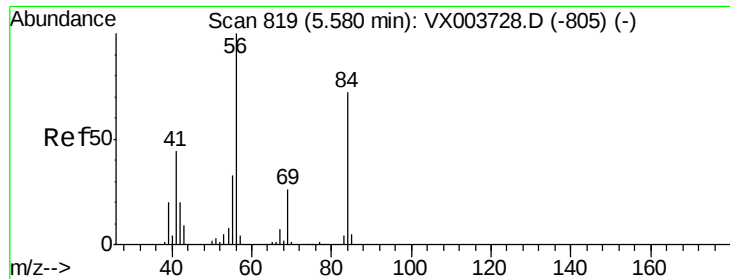
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->

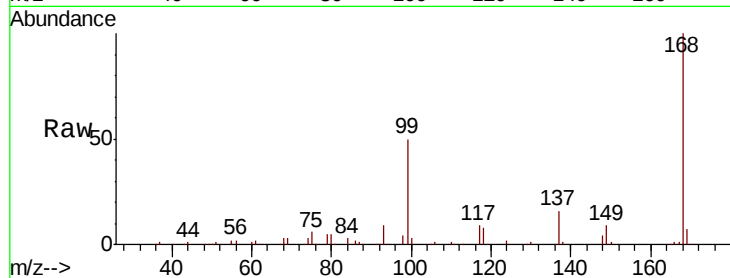




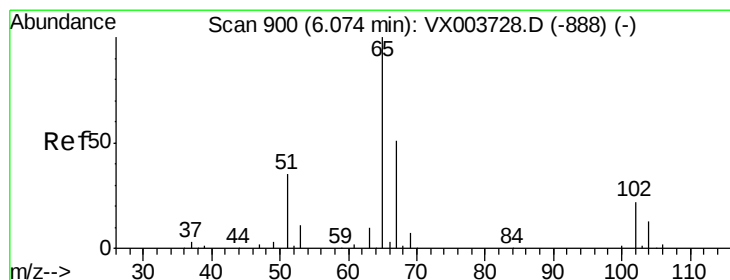
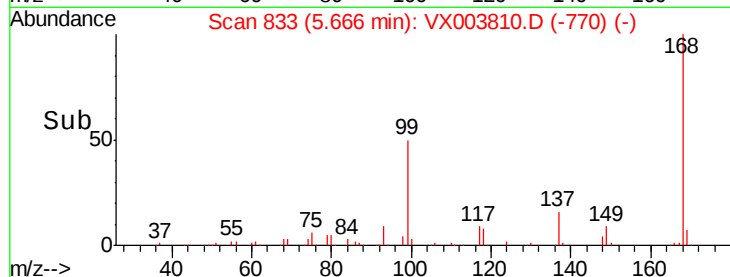
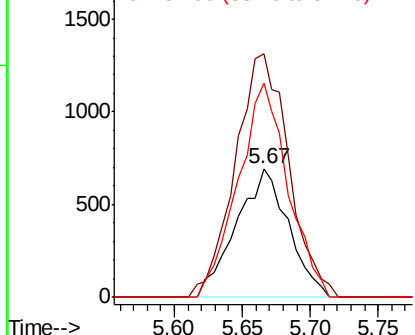
#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003810.D
Acq: 01 Aug 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 1864
Ion Ratio Lower Upper
56 100
69 188.9 20.6 30.8#
84 166.0 57.9 86.9#

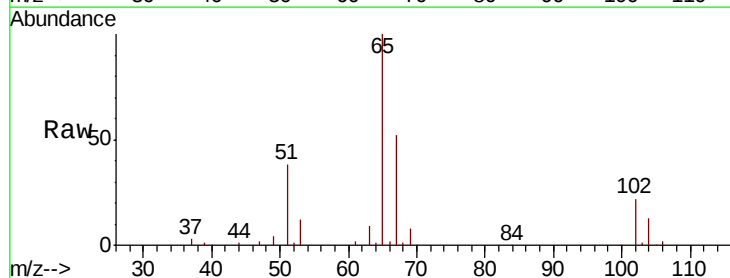


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

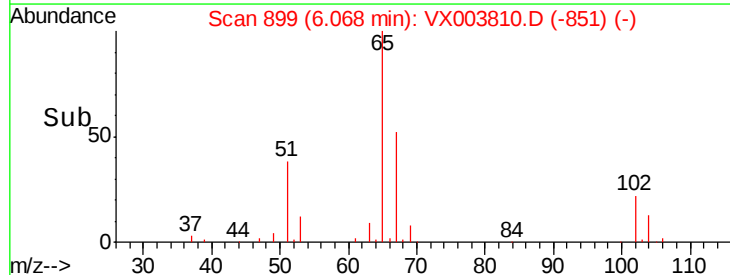
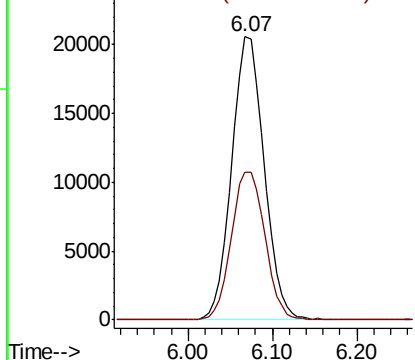


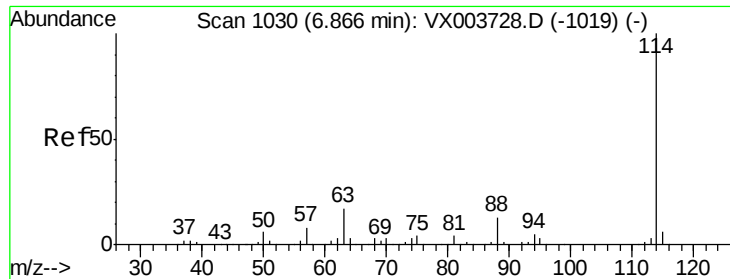
#33
1,2-Dichloroethane-d4
Concen: 47.91 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003810.D
Acq: 01 Aug 2018 22:11

Tgt Ion: 65 Resp: 53531
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

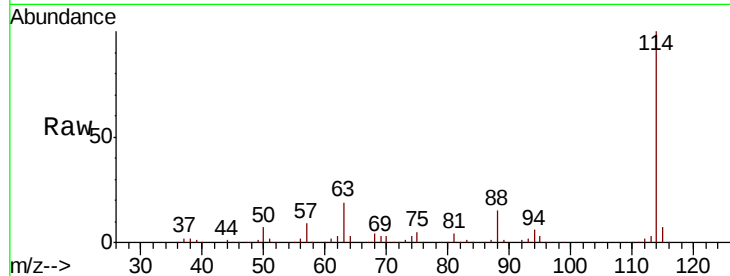
Tot Ion:114 Resp: 176942

Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.0

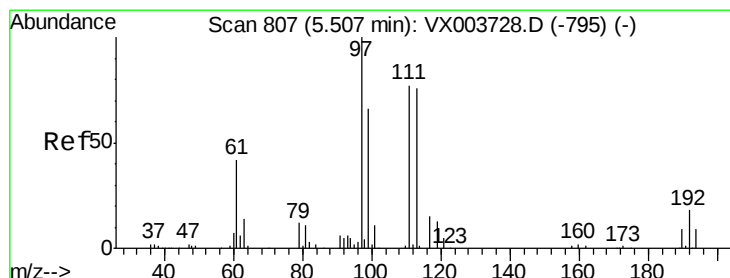
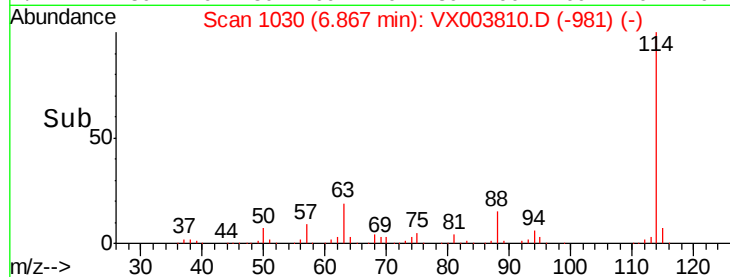
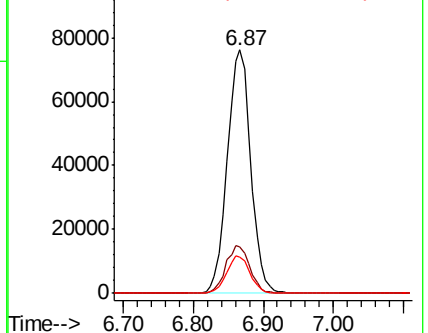
88 14.8 0.0 26.4



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: 43.37 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

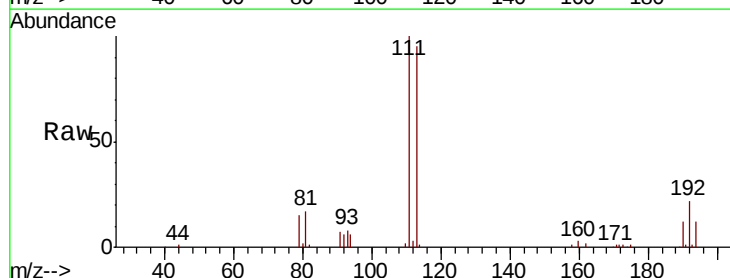
Tgt Ion:113 Resp: 45189

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

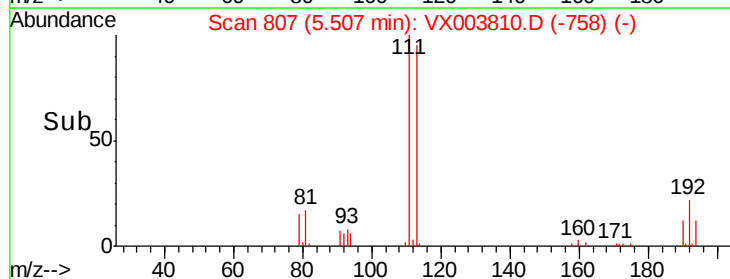
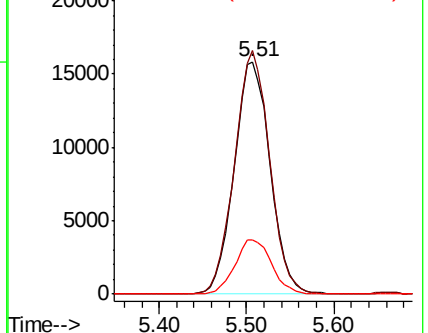
192 23.8 18.8 28.2

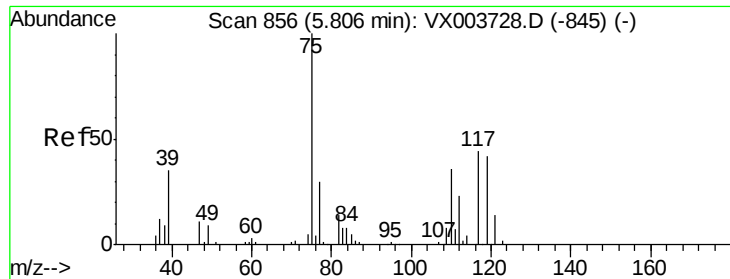


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.38 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

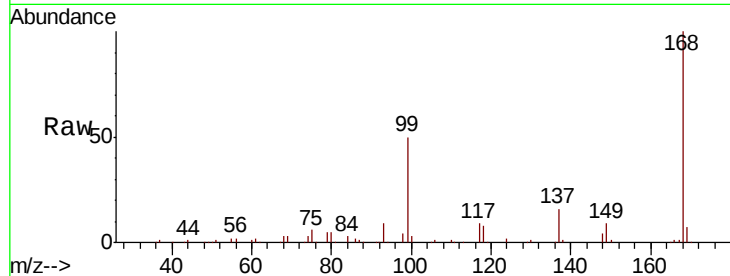
Tot Ion: 75 Resp: 7256

Ion Ratio Lower Upper

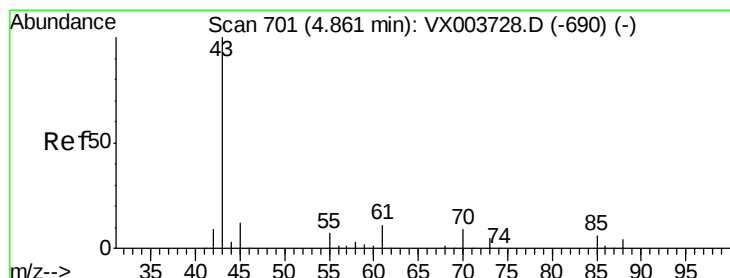
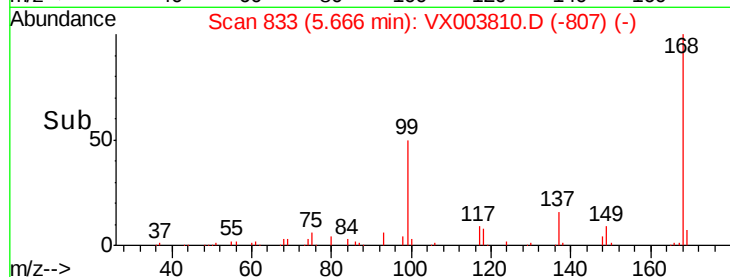
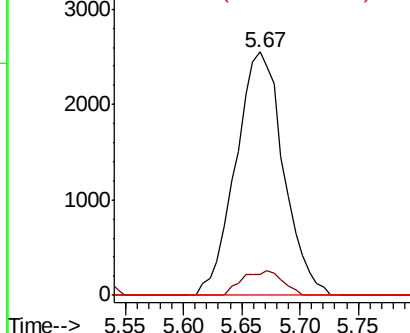
75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): VX0
Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.13 ug/l

RT: 4.74 min Scan# 682

Delta R.T. -0.12 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

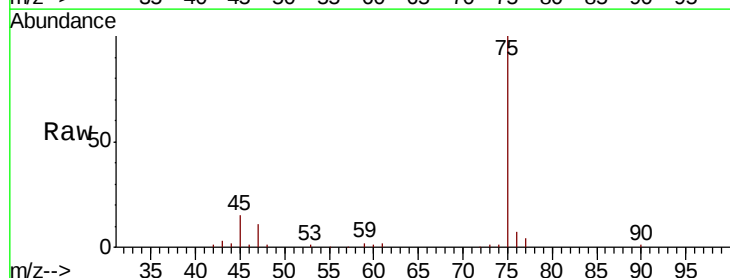
Tgt Ion: 43 Resp: 1437

Ion Ratio Lower Upper

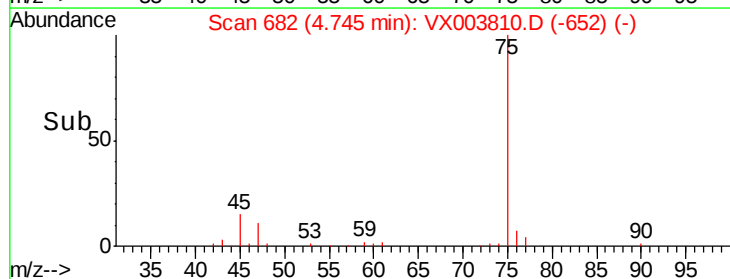
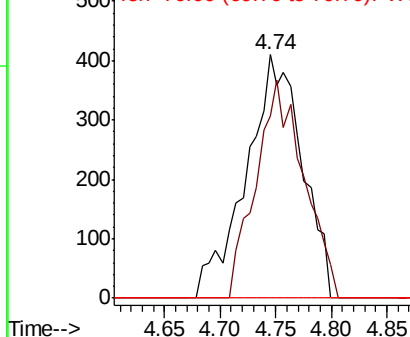
43 100

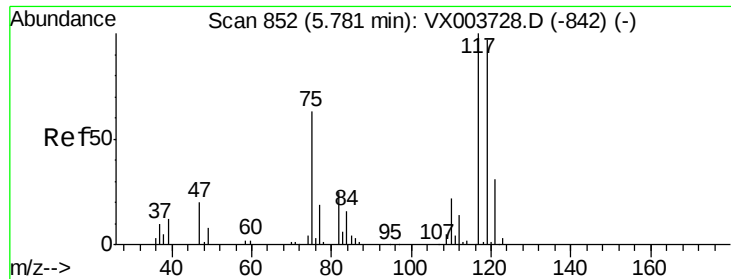
61 76.5 11.4 17.0#

70 0.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.43 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

ClientSampled :

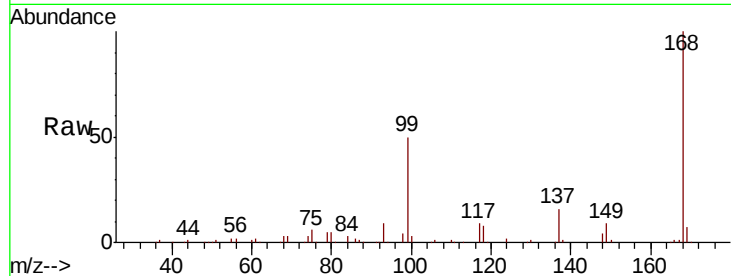
Tot Ion:117 Resp: 9851

Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

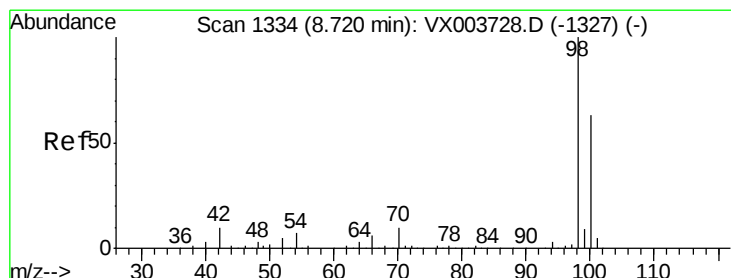
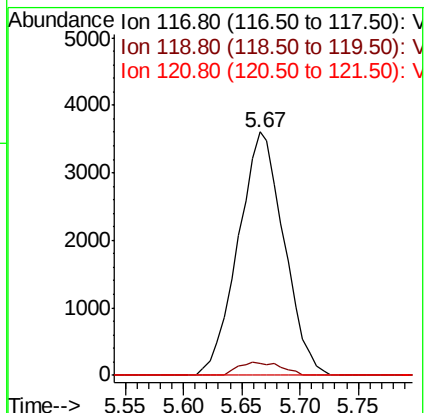
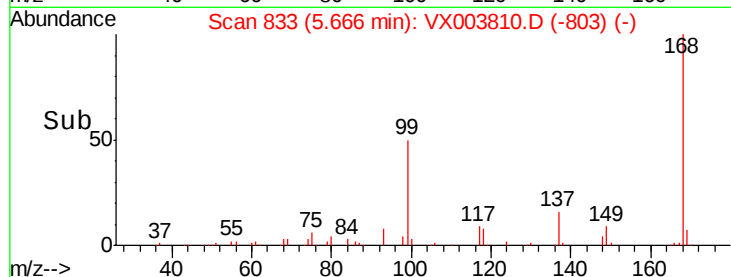
121 0.0 25.0 37.4#



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: 39.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003810.D

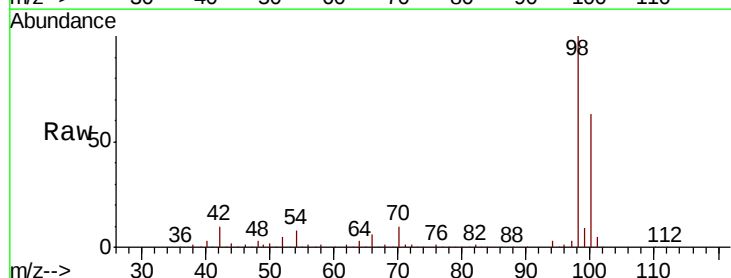
Acq: 01 Aug 2018 22:11

Tgt Ion: 98 Resp: 171046

Ion Ratio Lower Upper

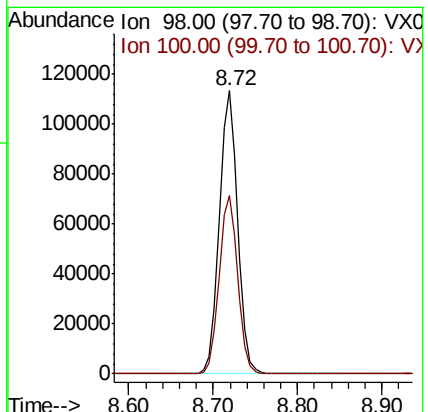
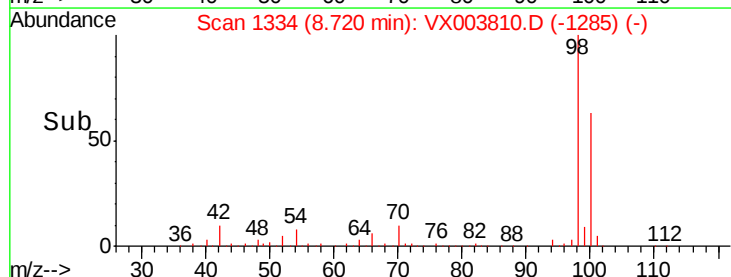
98 100

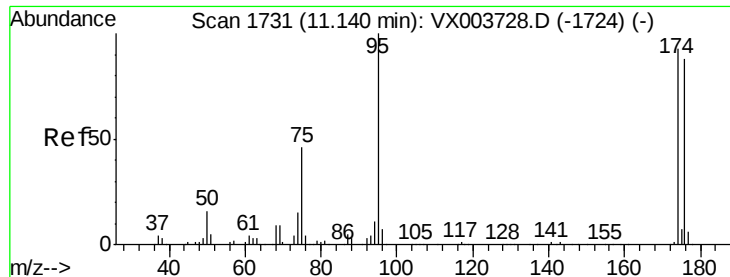
100 63.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 37.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

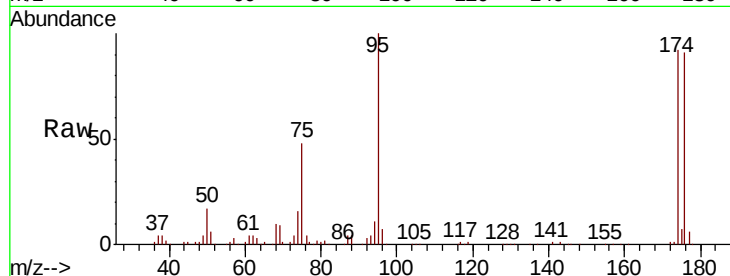
Tot Ion: 95 Resp: 59897

Ion Ratio Lower Upper

95 100

174 93.3 0.0 186.2

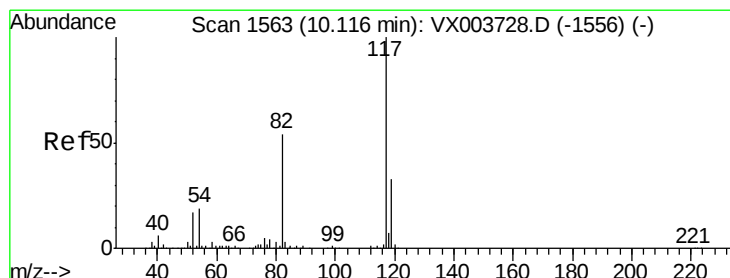
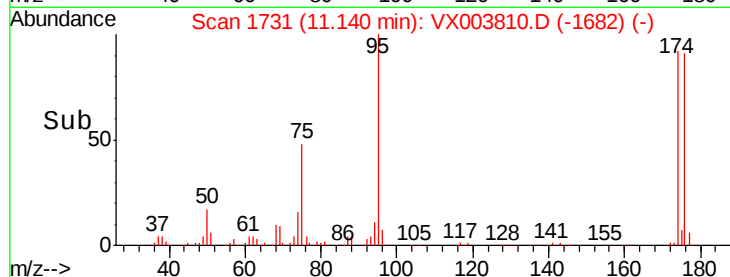
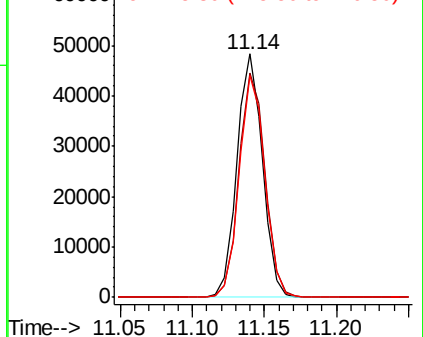
176 90.8 0.0 179.2



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# 1563

Delta R.T. 0.00 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

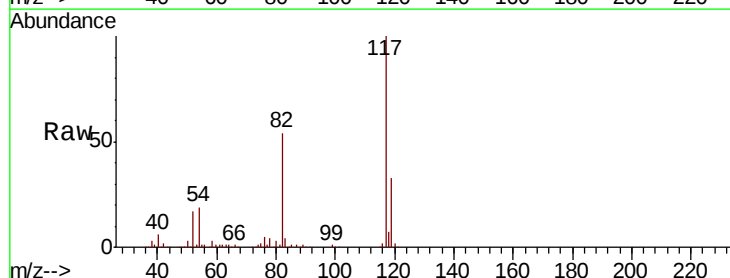
Tgt Ion: 117 Resp: 164438

Ion Ratio Lower Upper

117 100

82 54.2 43.2 64.8

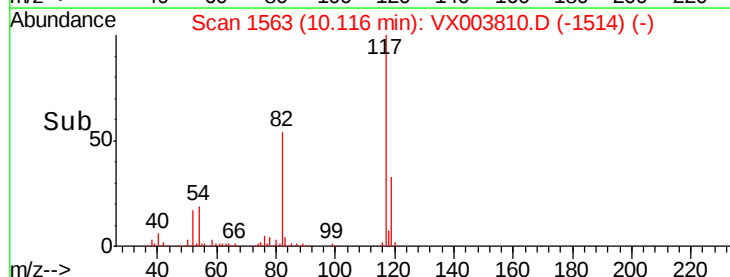
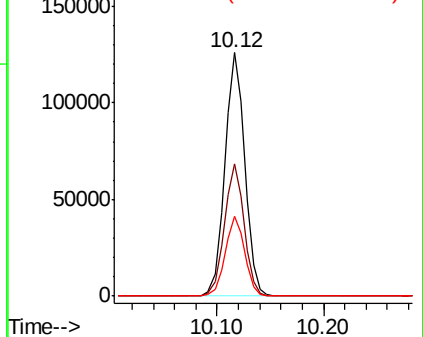
119 32.7 26.3 39.5

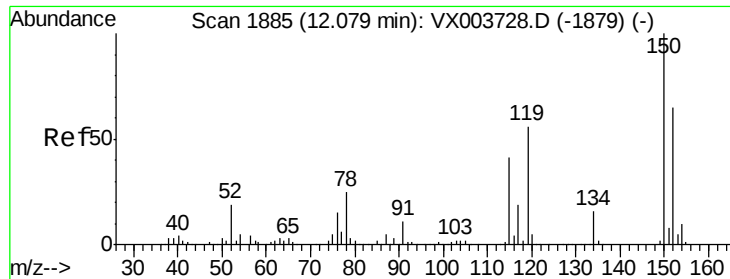


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1885

Delta R.T. 0.00 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

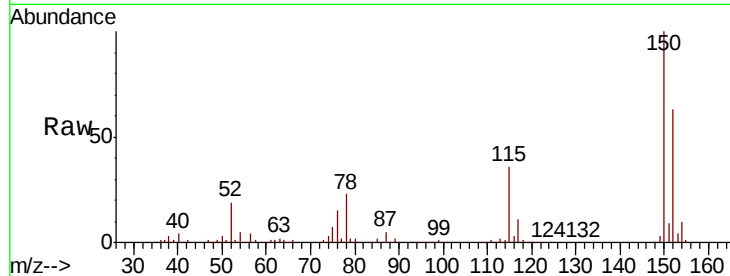
Tot Ion:152 Resp: 80578

Ion Ratio Lower Upper

152 100

115 55.1 38.5 115.3

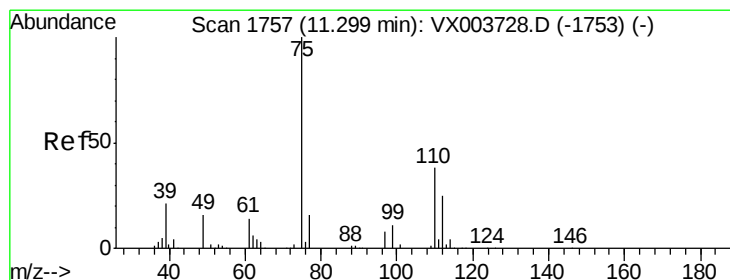
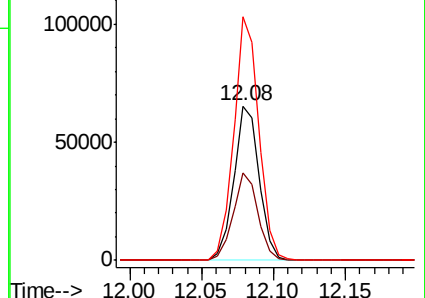
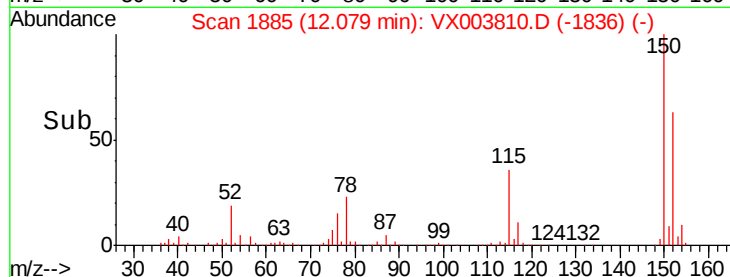
150 155.6 0.0 346.2



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: 25.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003810.D

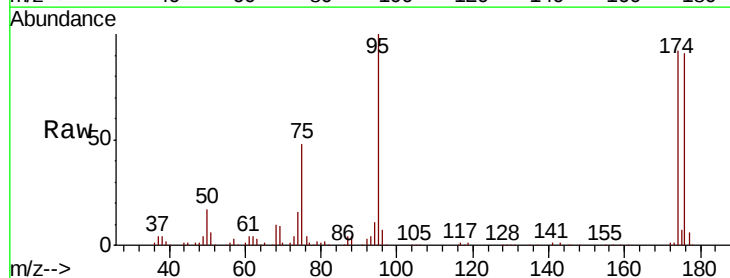
Acq: 01 Aug 2018 22:11

Tgt Ion: 75 Resp: 28591

Ion Ratio Lower Upper

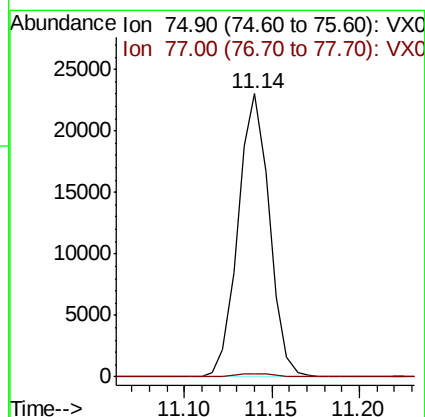
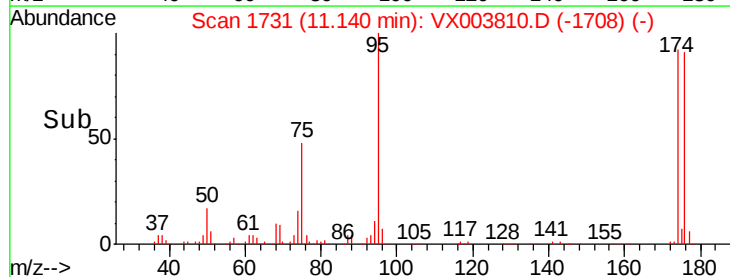
75 100

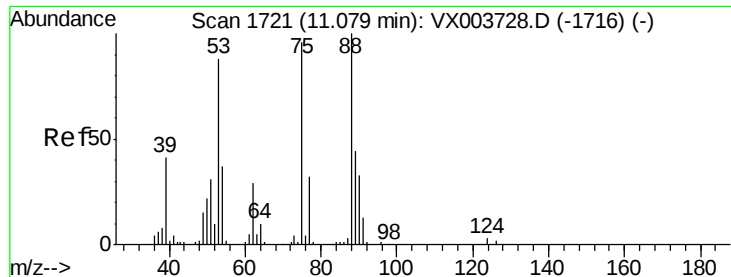
77 1.2 21.6 65.0#



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: 76.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003810.D

Acq: 01 Aug 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 28591

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 39.1 58.7#

