

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006042.D
 Acq On : 16 Nov 2018 11:49
 Operator : JC/MD
 Sample : J5965-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB111418

Quant Time: Nov 17 00:41:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	150142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	209556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105409	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	83405	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
35) Dibromofluoromethane	5.50	113	67506	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	8.71	98	223425	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	11.14	95	77567	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

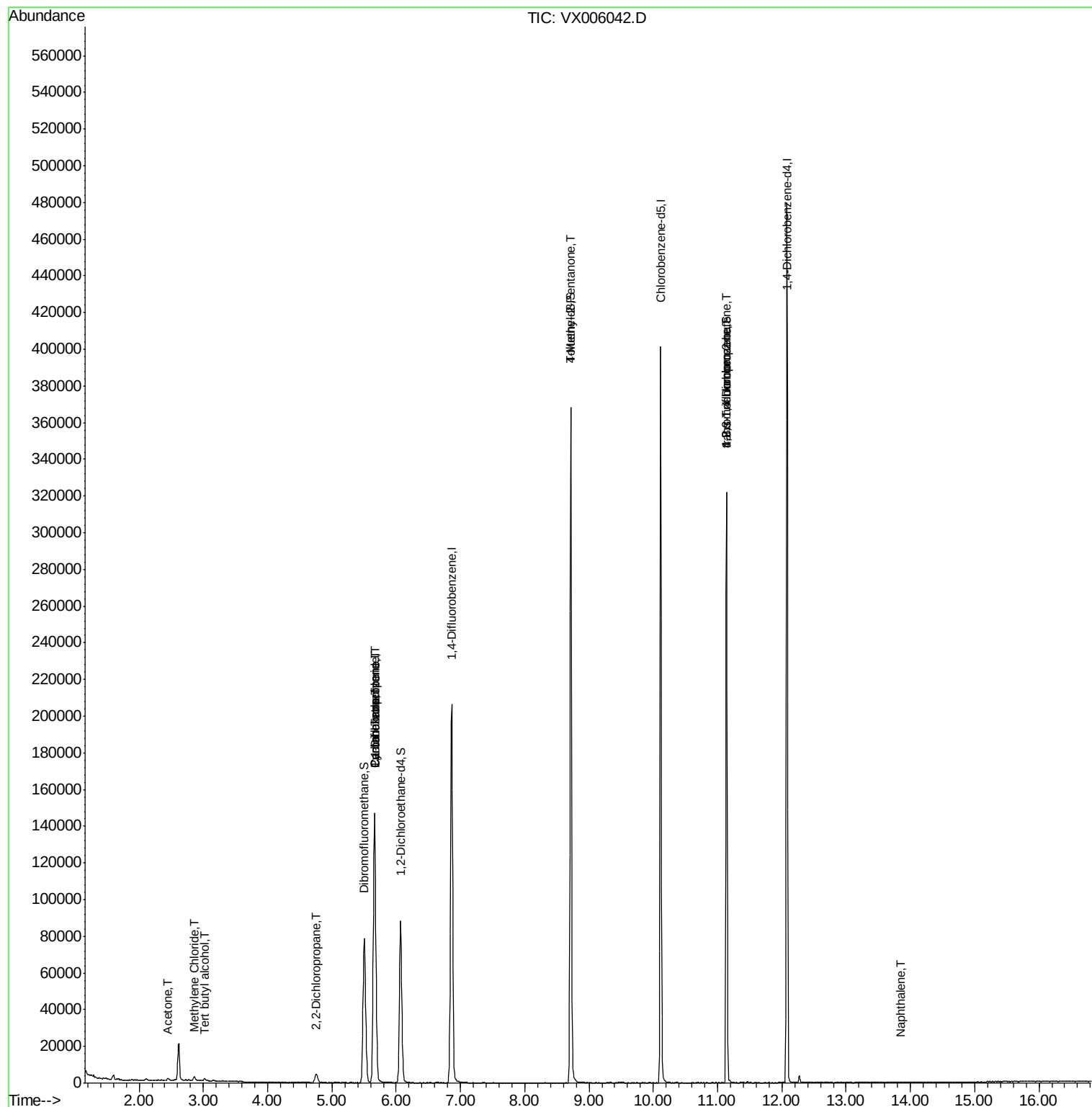
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	740	1.497	ug/l #	72
16) Acetone	2.45	43	1133	1.219	ug/l	90
18) Methyl Acetate	2.78	43	327	Below Cal	#	55
20) Methylene Chloride	2.86	84	936	0.613	ug/l	89
26) 2,2-Dichloropropane	4.76	77	415	0.204	ug/l #	53
31) Cyclohexane	5.66	56	2518	1.047	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	10150	5.024	ug/l #	49
38) Carbon Tetrachloride	5.67	117	12901	6.379	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1021	0.421	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	38001	17.705	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	38001	56.428	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	155	Below Cal		70
95) Naphthalene	13.84	128	275	1.213	ug/l #	69

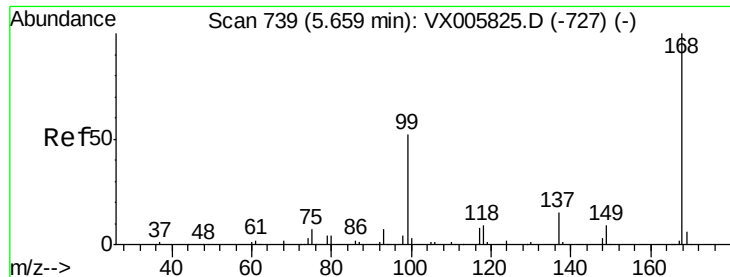
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006042.D

Acq: 16 Nov 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

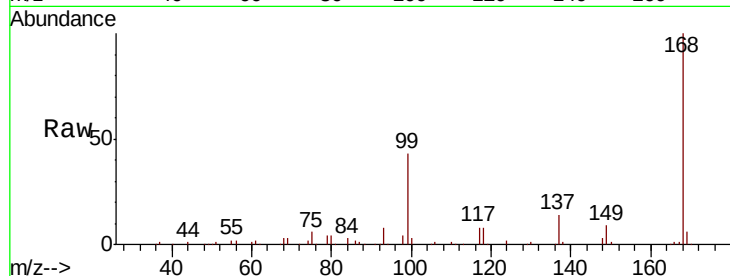
FB111418

Tot Ion:168 Resp: 150142

Ion Ratio Lower Upper

168 100

99 43.5 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

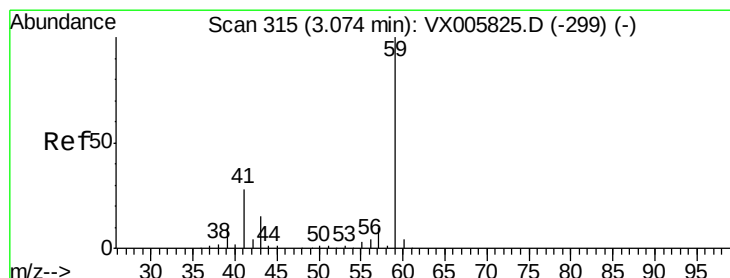
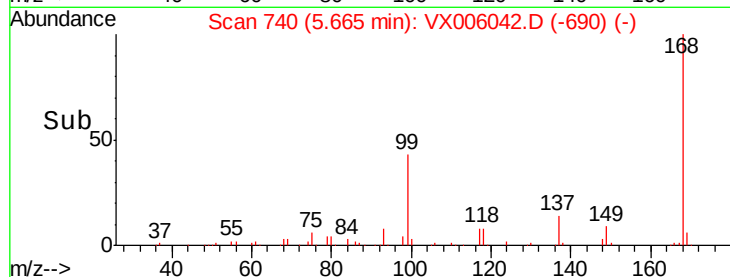
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.497 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX006042.D

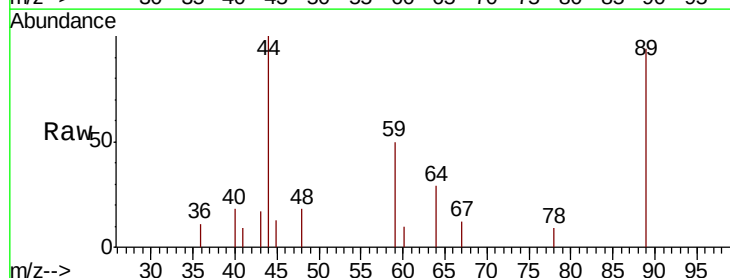
Acq: 16 Nov 2018 11:49

Tgt Ion: 59 Resp: 740

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

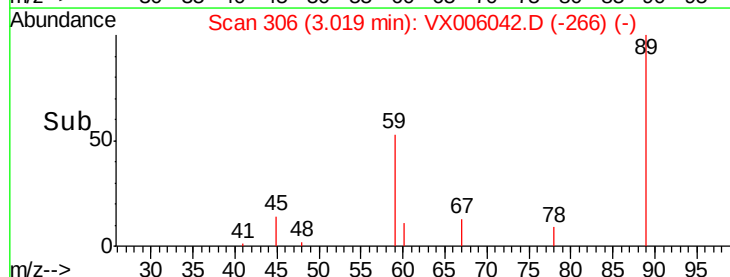
300

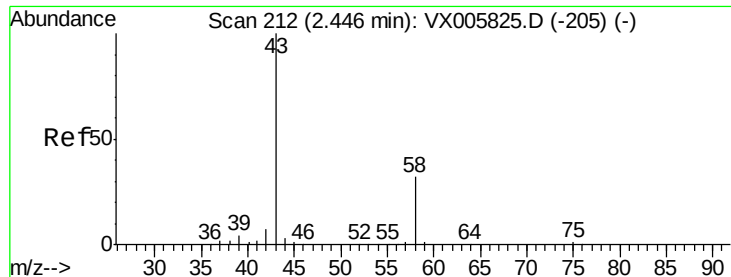
200

100

0

Time--> 2.95 3.00 3.05 3.10





#16

Acetone

Concen: 1.219 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006042.D

Acq: 16 Nov 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

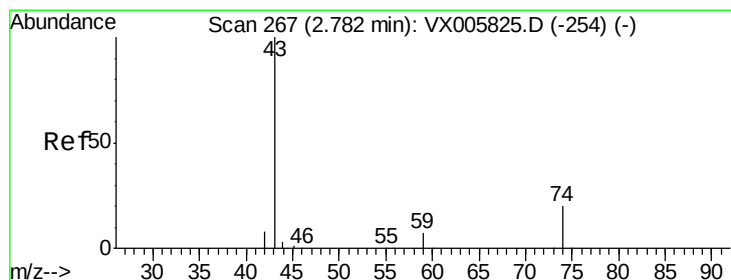
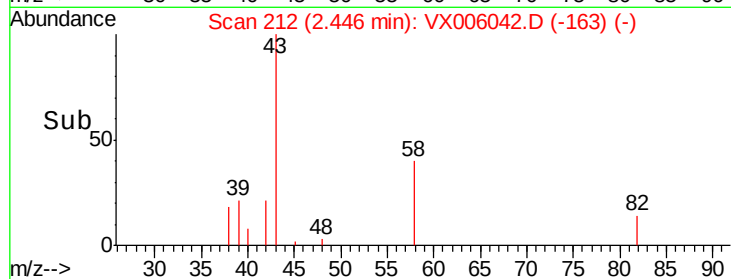
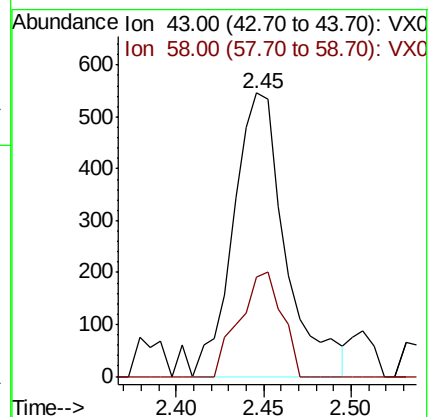
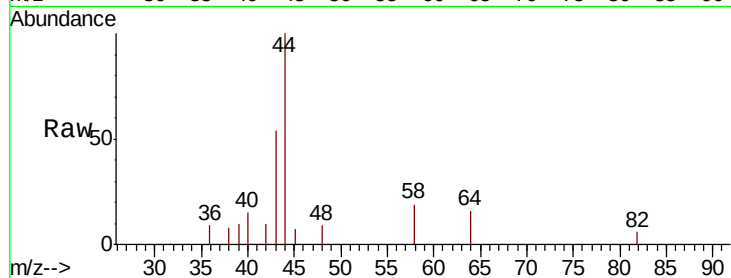
FB111418

Tot Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

58 35.2 23.8 35.6



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006042.D

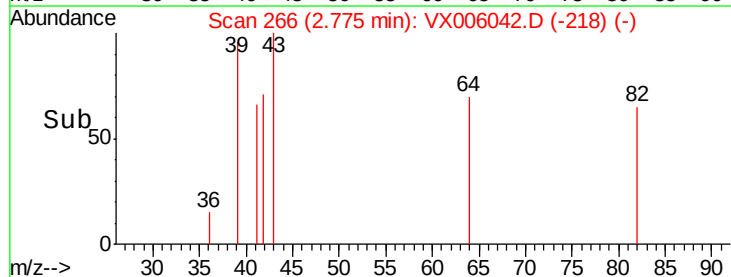
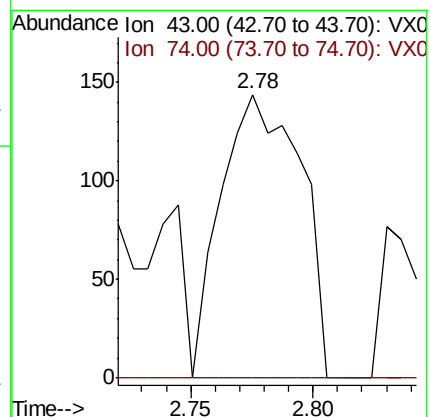
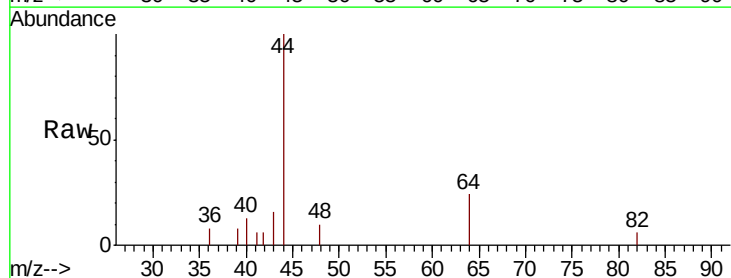
Acq: 16 Nov 2018 11:49

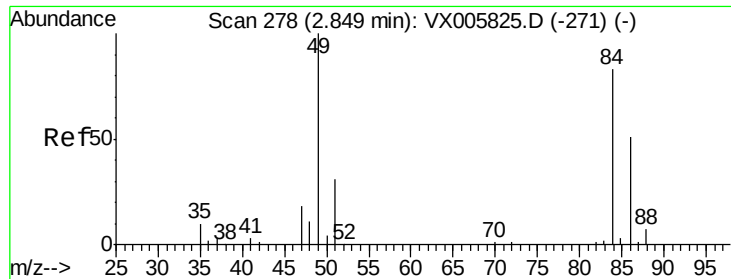
Tgt Ion: 43 Resp: 327

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#

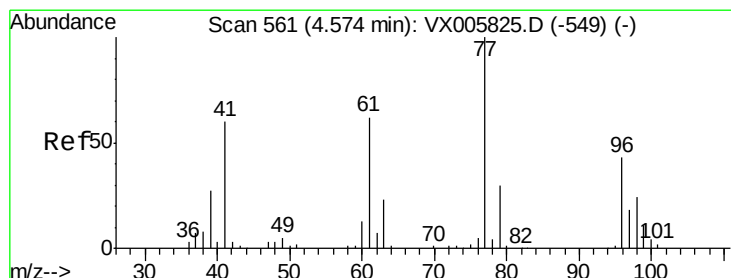
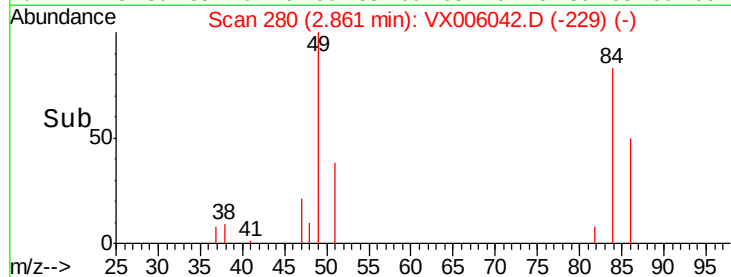
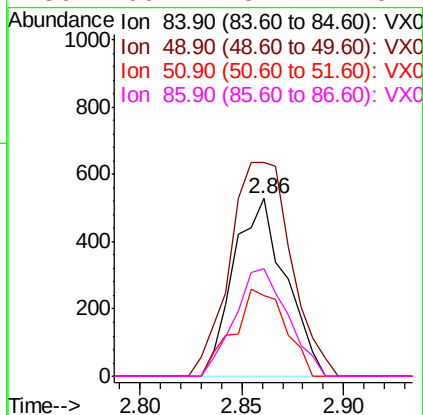
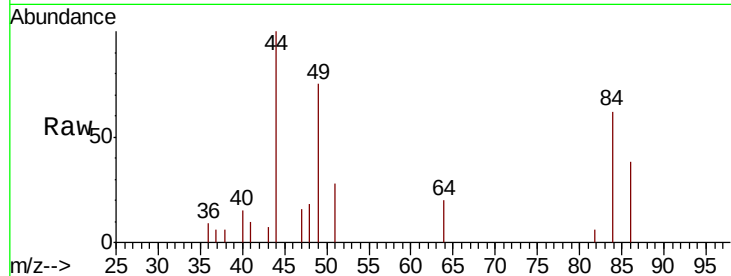




#20
Methylene Chloride
Concen: 0.613 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006042.D
Acq: 16 Nov 2018 11:49

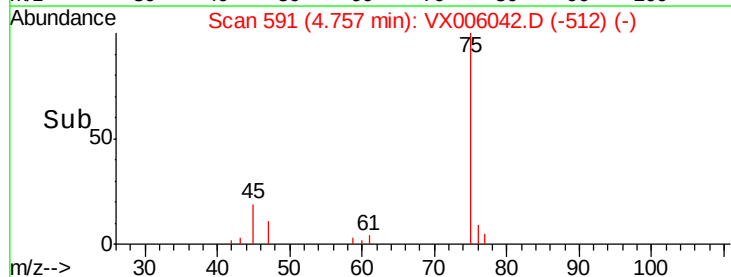
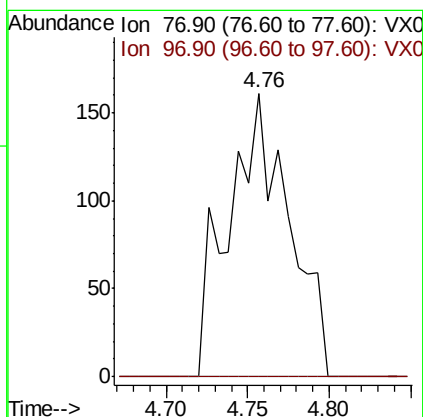
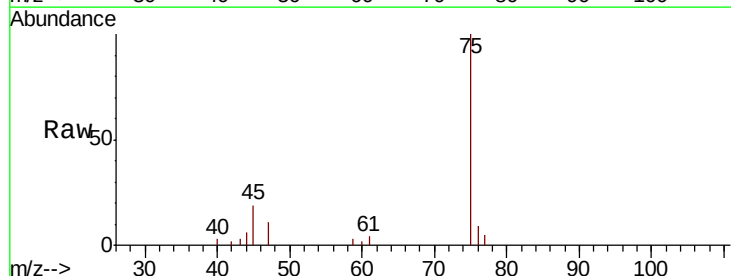
Instrument :
MSVOA_X
ClientSampleId :
FB111418

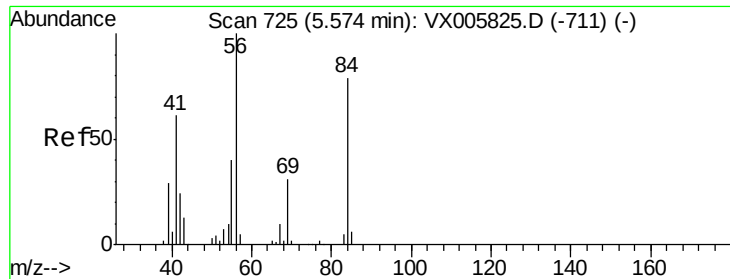
Tot Ion:	84	Resp:	936
Ion	Ratio	Lower	Upper
84	100		
49	120.1	109.5	164.3
51	45.3	33.3	49.9
86	60.2	52.7	79.1



#26
2,2-Dichloropropane
Concen: 0.204 ug/l
RT: 4.76 min Scan# 591
Delta R.T. 0.18 min
Lab File: VX006042.D
Acq: 16 Nov 2018 11:49

Tgt Ion:	77	Resp:	415
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.5	34.5#

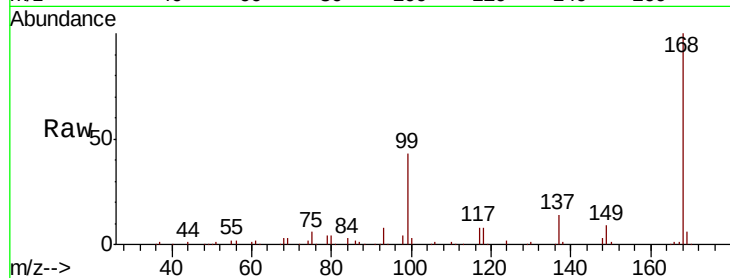




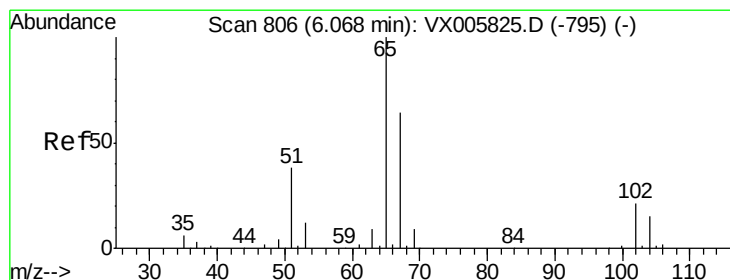
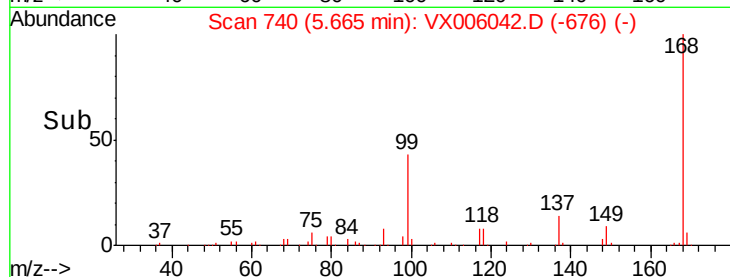
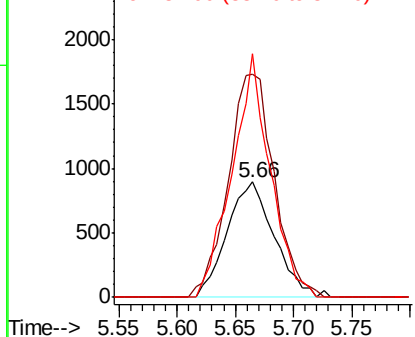
#31
Cyclohexane
Concen: 1.047 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006042.D
Acq: 16 Nov 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
FB111418

Tot Ion: 56 Resp: 2518
Ion Ratio Lower Upper
56 100
69 193.6 22.6 34.0#
84 211.1 62.7 94.1#

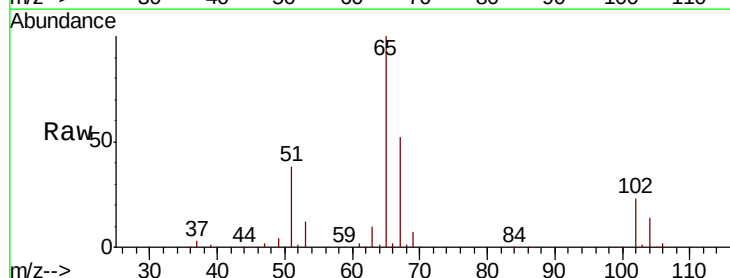


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

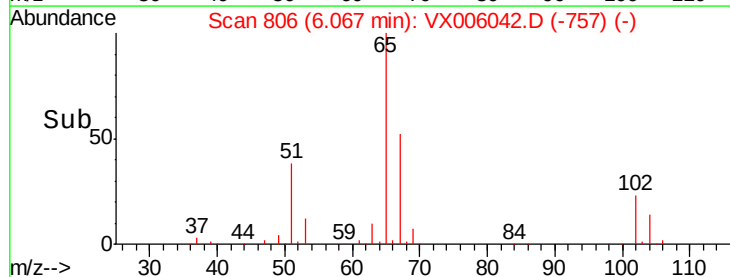
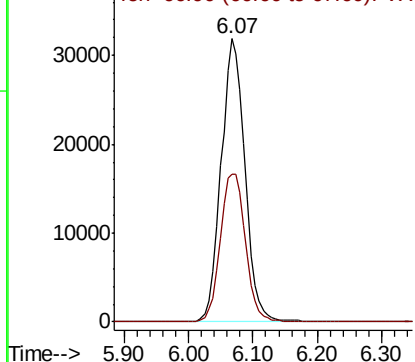


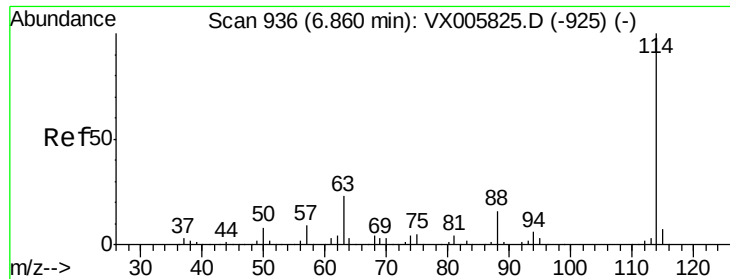
#33
1,2-Dichloroethane-d4
Concen: 48.321 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX006042.D
Acq: 16 Nov 2018 11:49

Tgt Ion: 65 Resp: 83405
Ion Ratio Lower Upper
65 100
67 55.1 0.0 105.0



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

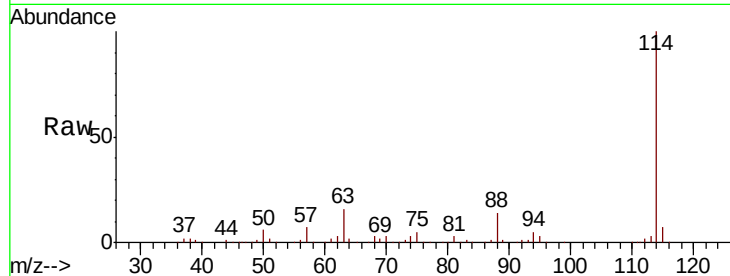




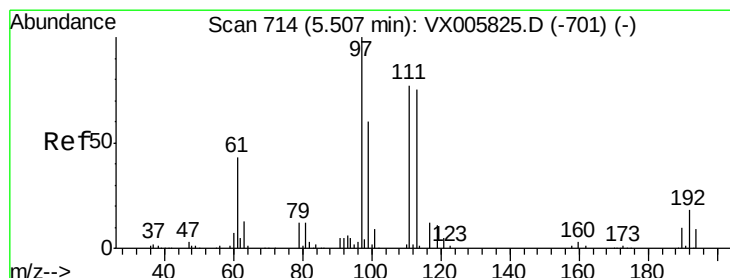
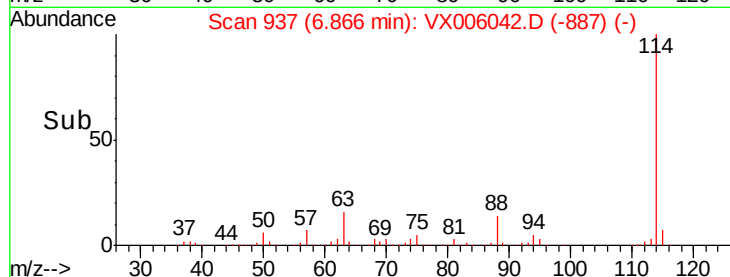
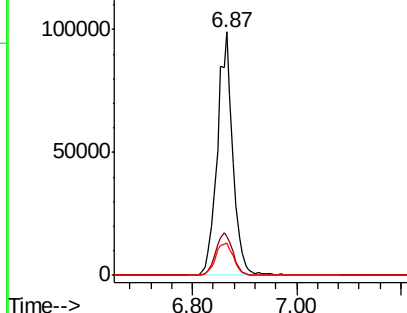
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX006042.D
Acq: 16 Nov 2018 11:49

Instrument :
MSVOA_X
ClientSampled :
FB111418

Tot Ion:114 Resp: 209556
Ion Ratio Lower Upper
114 100
63 15.8 0.0 42.8
88 13.5 0.0 31.2

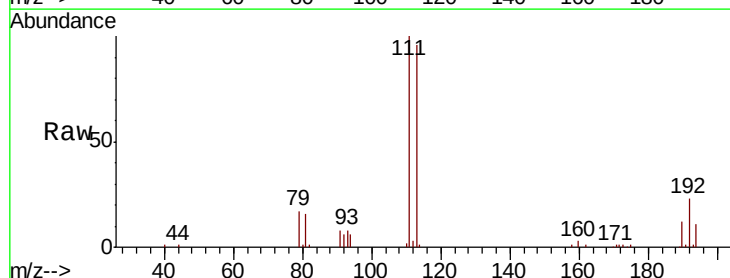


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

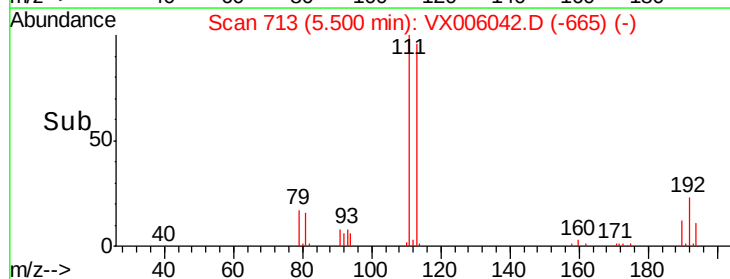
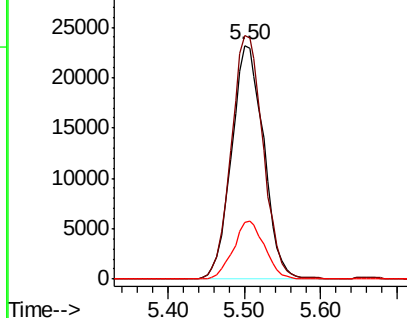


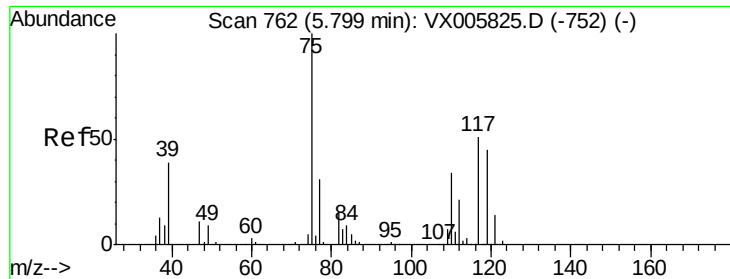
#35
Dibromofluoromethane
Concen: 47.363 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX006042.D
Acq: 16 Nov 2018 11:49

Tgt Ion:113 Resp: 67506
Ion Ratio Lower Upper
113 100
111 103.5 82.3 123.5
192 24.0 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

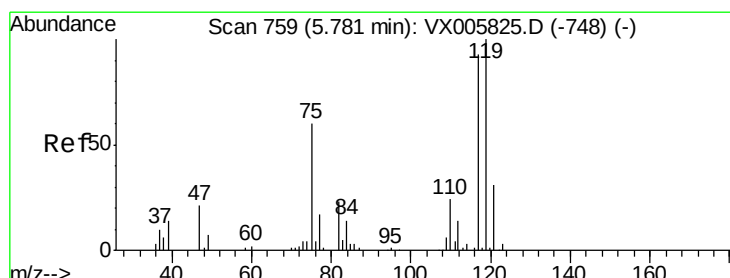
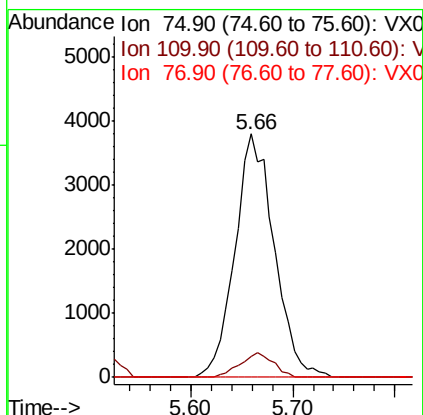
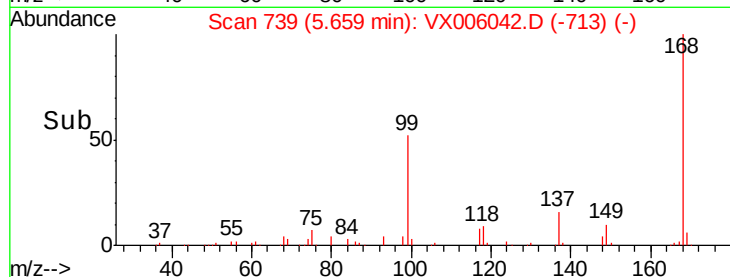
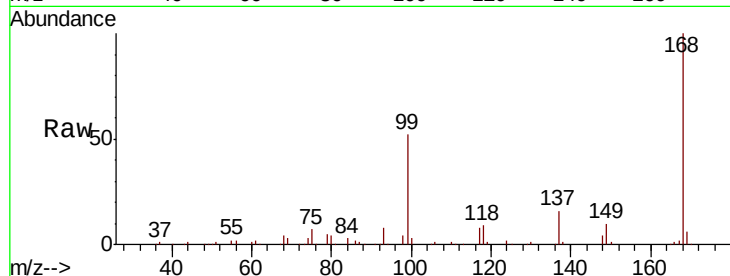




#36
 1,1-Dichloropropene
 Concen: 5.024 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006042.D
 Acq: 16 Nov 2018 11:49

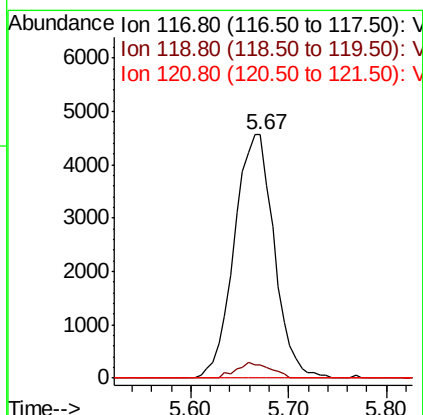
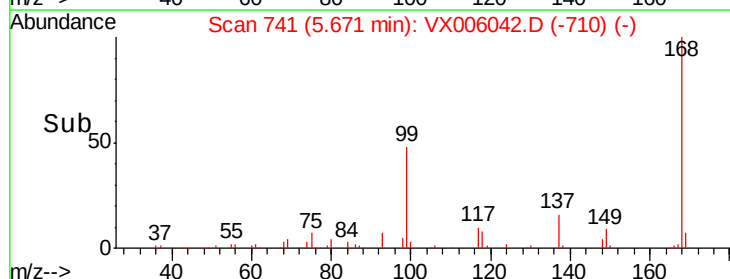
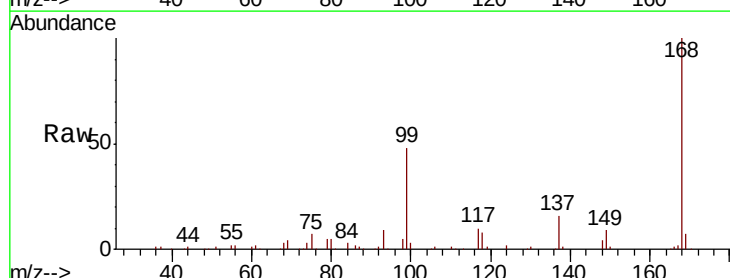
Instrument :
 MSVOA_X
 ClientSampleId :
 FB111418

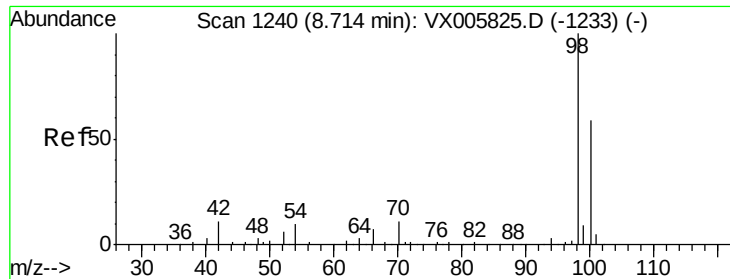
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.379 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX006042.D
 Acq: 16 Nov 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.1	117.1#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 47.151 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006042.D

Acq: 16 Nov 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

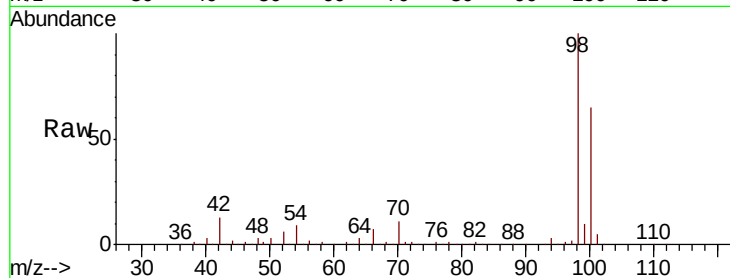
FB111418

Tot Ion: 98 Resp: 223425

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

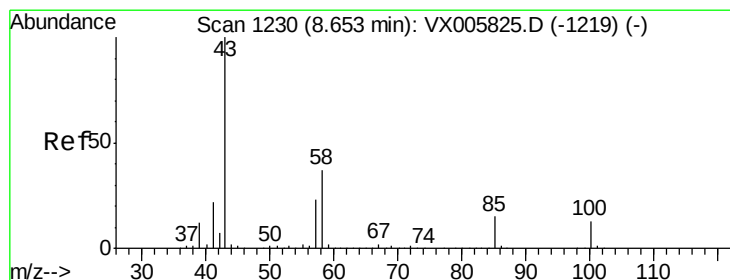
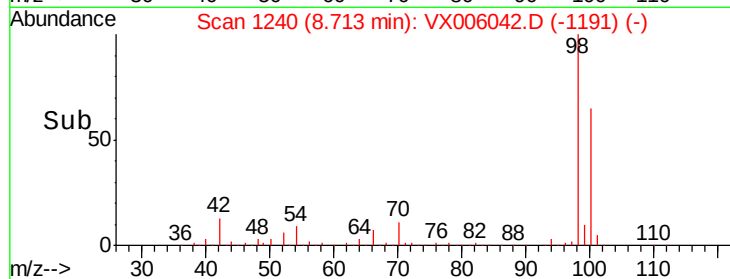
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.421 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006042.D

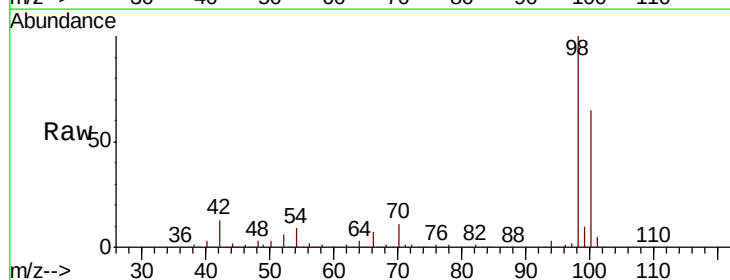
Acq: 16 Nov 2018 11:49

Tgt Ion: 43 Resp: 1021

Ion Ratio Lower Upper

43 100

58 188.2 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

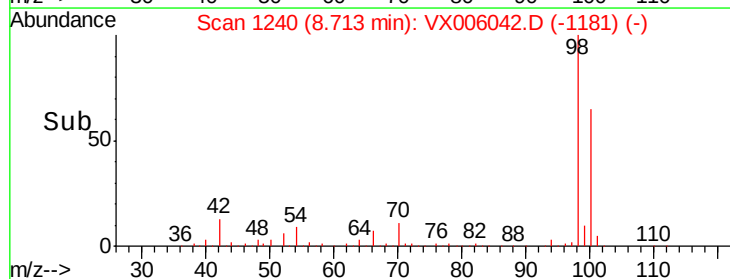
8.71

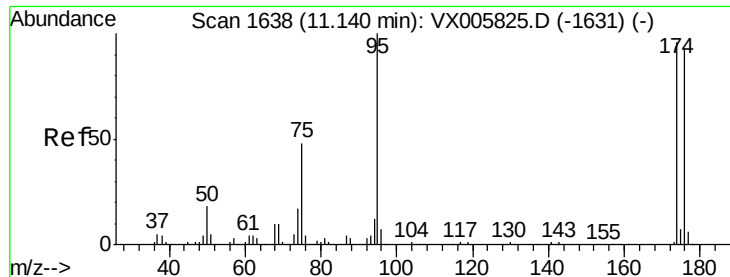
1000

500

0

Time-->

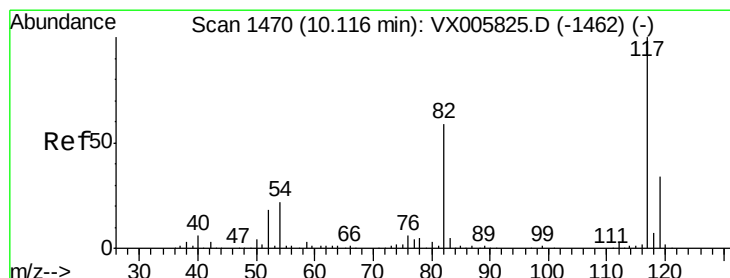
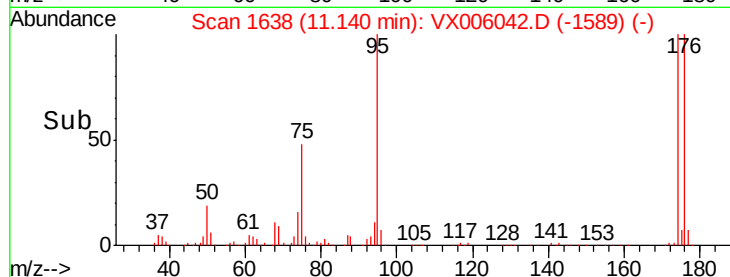
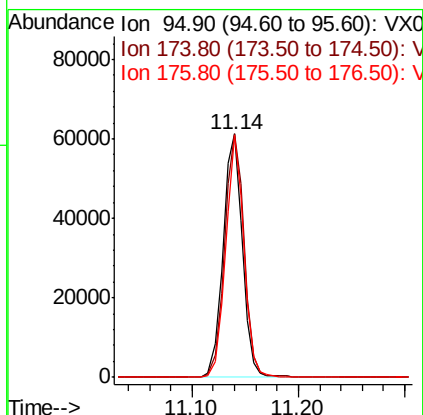
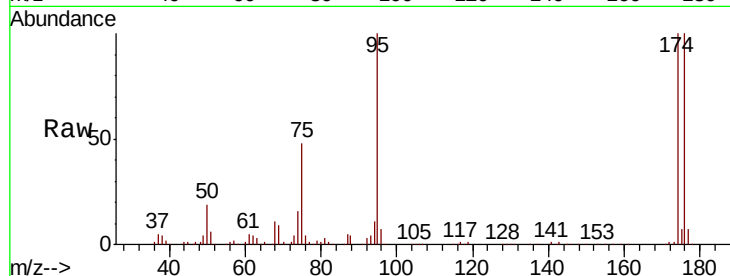




#62
4-Bromofluorobenzene
Concen: 45.529 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006042.D
Acq: 16 Nov 2018 11:49

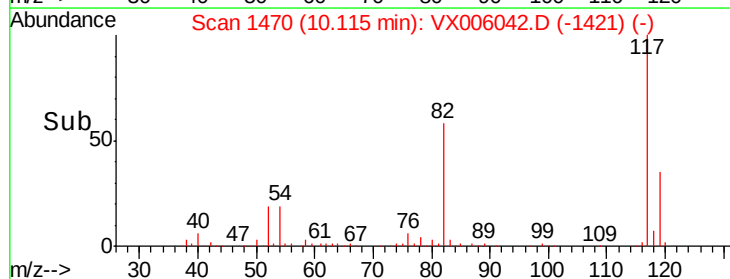
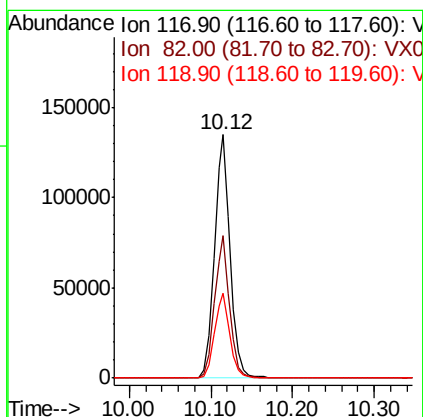
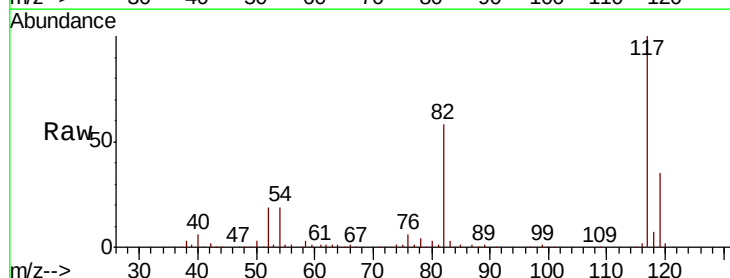
Instrument :
MSVOA_X
ClientSampleId :
FB111418

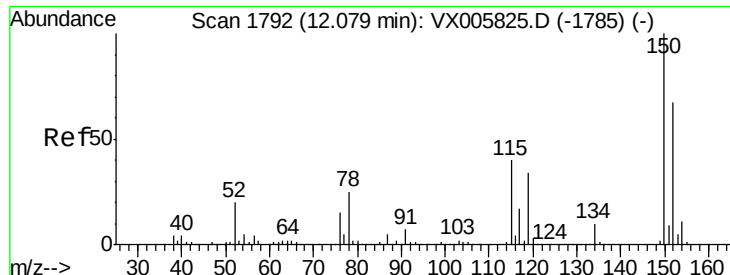
Tot Ion: 95 Resp: 77567
Ion Ratio Lower Upper
95 100
174 101.2 0.0 184.4
176 93.8 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006042.D
Acq: 16 Nov 2018 11:49

Tgt Ion: 117 Resp: 182768
Ion Ratio Lower Upper
117 100
82 58.5 44.1 66.1
119 34.9 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006042.D

Acq: 16 Nov 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

FB111418

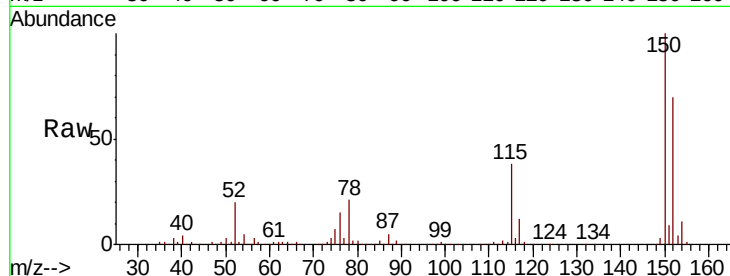
Tot Ion:152 Resp: 105409

Ion Ratio Lower Upper

152 100

115 54.8 39.4 118.1

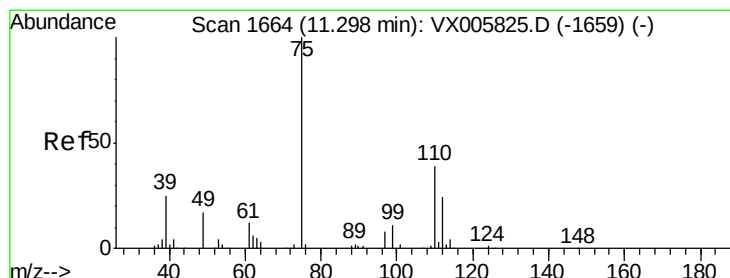
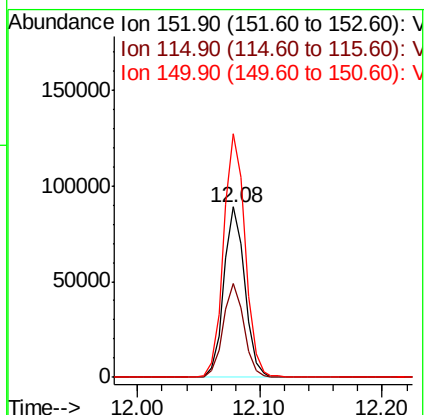
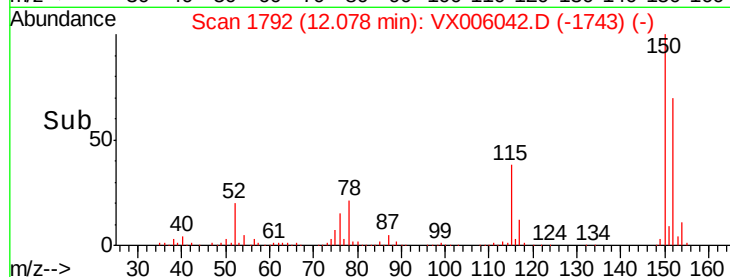
150 146.6 0.0 346.4



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: 17.705 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006042.D

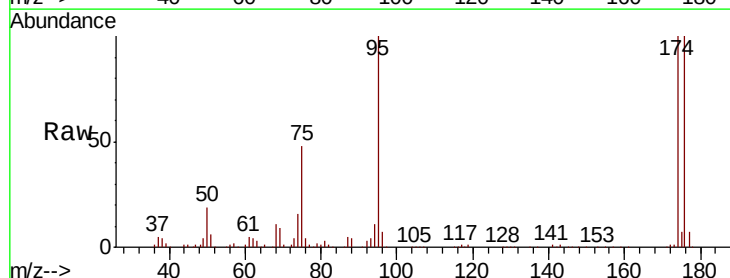
Acq: 16 Nov 2018 11:49

Tgt Ion: 75 Resp: 38001

Ion Ratio Lower Upper

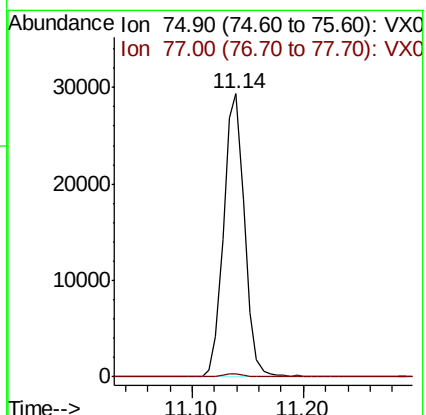
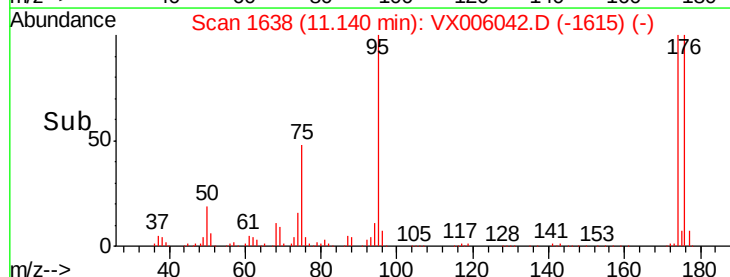
75 100

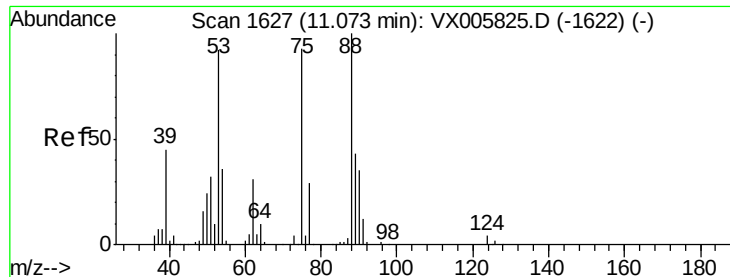
77 1.3 20.5 61.6#



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: 56.428 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006042.D

Acq: 16 Nov 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

FB111418

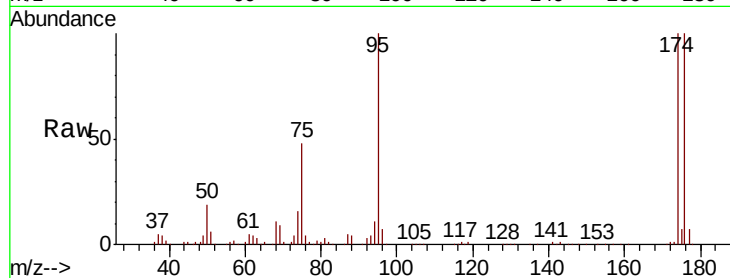
Tot Ion: 75 Resp: 38001

Ion Ratio Lower Upper

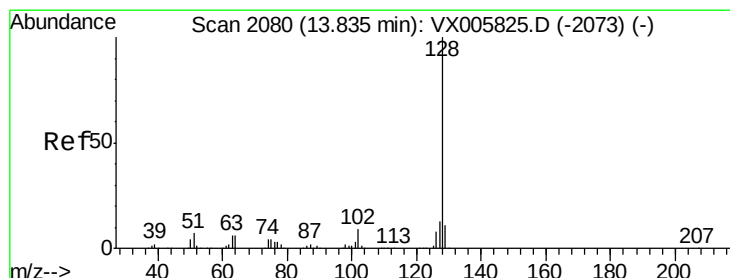
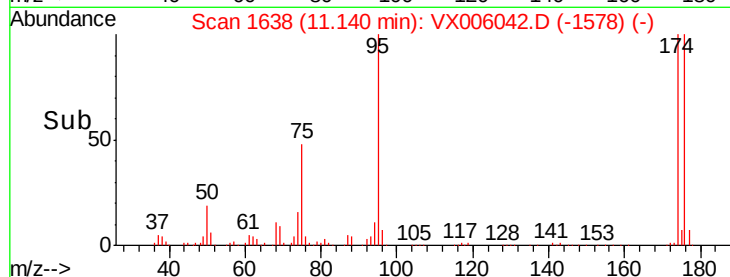
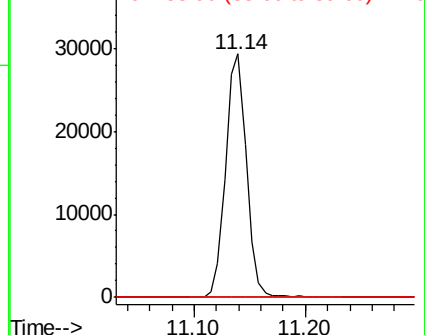
75 100

53 0.1 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



#95

Naphthalene

Concen: 1.213 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX006042.D

Acq: 16 Nov 2018 11:49

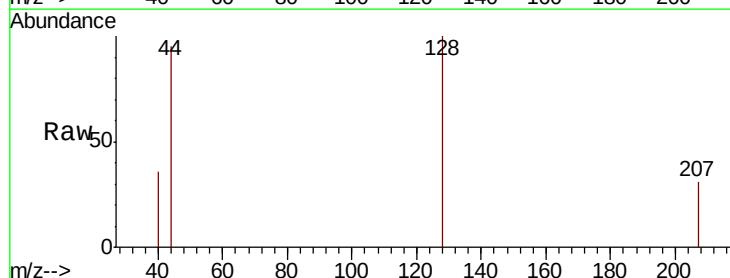
Tgt Ion: 128 Resp: 275

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

