

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004409.D
 Acq On : 07 Sep 2018 16:05
 Operator : JC/MD
 Sample : J4812-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB090518

Quant Time: Sep 08 03:22:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	321481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	508997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	494557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	281065	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	216993	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	5.49	113	191081	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	8.71	98	724690	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.14	95	260750	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

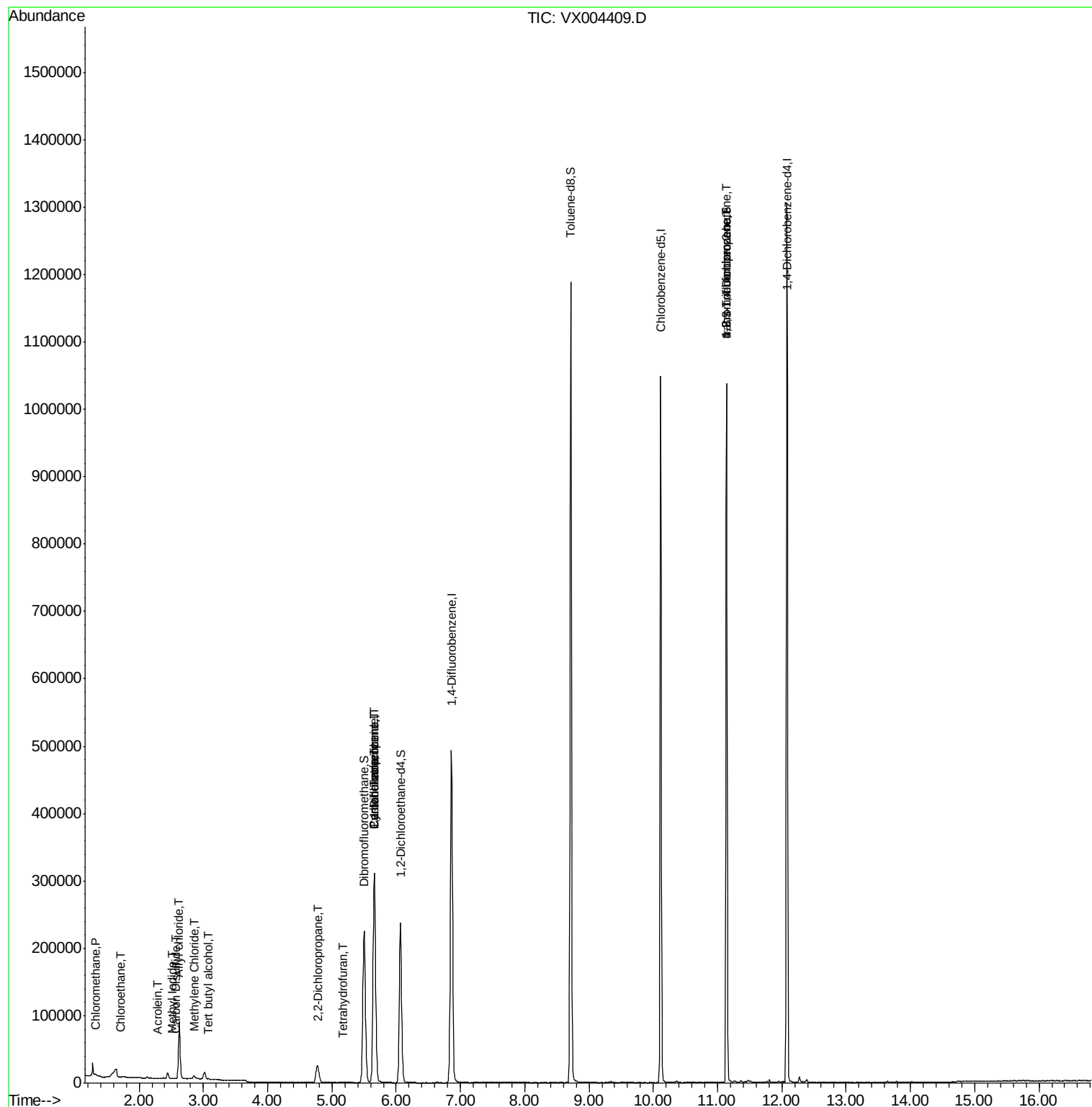
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1074	0.55	ug/l	93
5) Bromomethane	1.64	94	1102	Below Cal	#	66
6) Chloroethane	1.71	64	4485	2.29	ug/l	63
10) Methyl Iodide	2.51	142	1034	4.50	ug/l	96
11) Tert butyl alcohol	3.07	59	1639	1.84	ug/l	90
13) Acrolein	2.28	56	221	1.03	ug/l	99
14) Allyl chloride	2.63	41	8044	1.29	ug/l	64
16) Acetone	2.45	43	9484	Below Cal		98
17) Carbon Disulfide	2.57	76	1071	0.91	ug/l	90
20) Methylene Chloride	2.85	84	2278	0.56	ug/l	93
25) 2-Butanone	4.71	43	654	Below Cal	#	47
26) 2,2-Dichloropropane	4.78	77	2271	0.43	ug/l	52
29) Tetrahydrofuran	5.18	42	570	0.32	ug/l	71
31) Cyclohexane	5.66	56	5435	0.93	ug/l	1
36) 1,1-Dichloropropene	5.66	75	21327	3.73	ug/l	48
38) Carbon Tetrachloride	5.66	117	28412	5.28	ug/l	17
76) 1,2,3-Trichloropropane	11.14	75	123174	21.55	ug/l	37
81) trans-1,4-Dichloro-2-buten	11.14	75	123174	69.91	ug/l	10
94) Hexachlorobutadiene	13.78	225	277	Below Cal		81

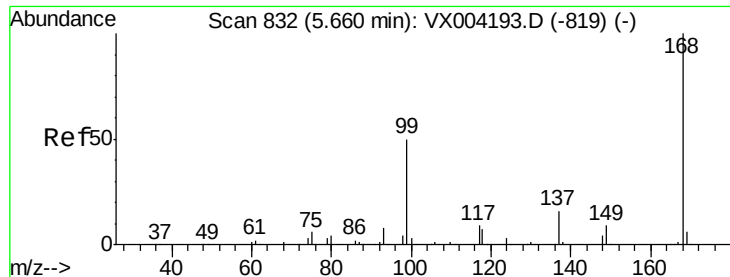
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004409.D

Acq: 07 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

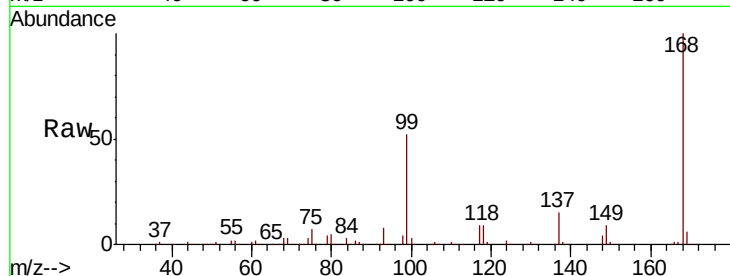
FB090518

Tot Ion:168 Resp: 321481

Ion Ratio Lower Upper

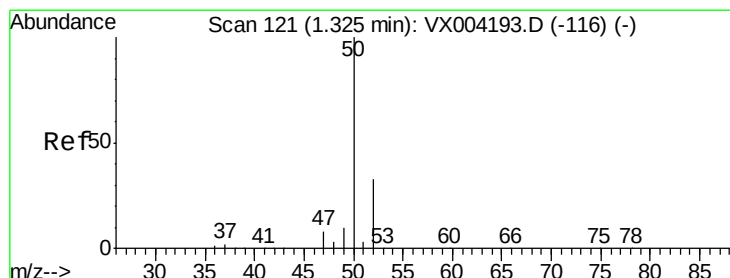
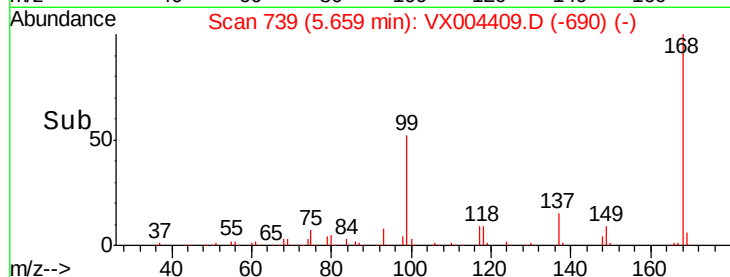
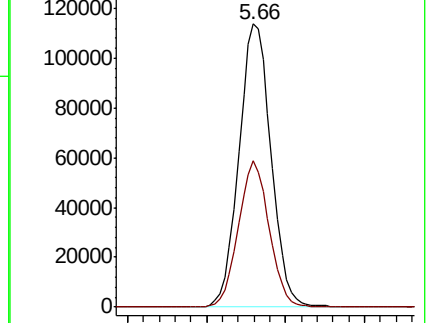
168 100

99 51.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.55 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004409.D

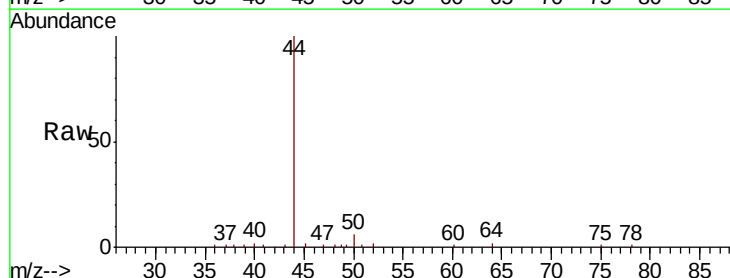
Acq: 07 Sep 2018 16:05

Tgt Ion: 50 Resp: 1074

Ion Ratio Lower Upper

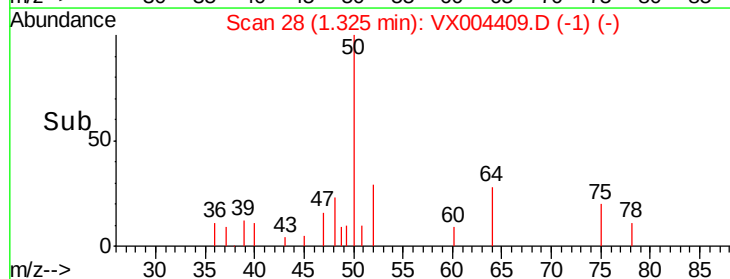
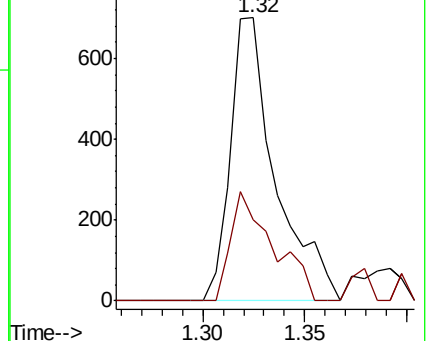
50 100

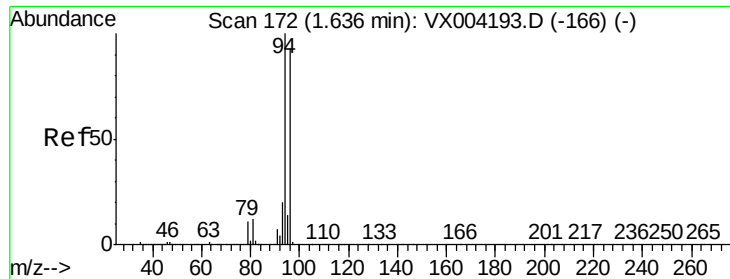
52 28.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004409.D

Acq: 07 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampled :

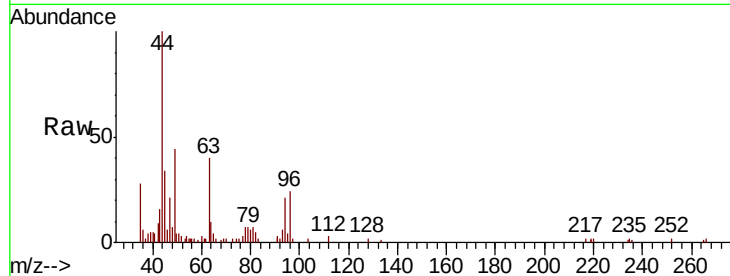
FB090518

Tot Ion: 94 Resp: 1102

Ion Ratio Lower Upper

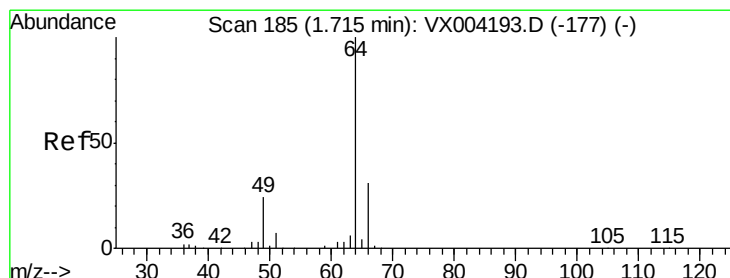
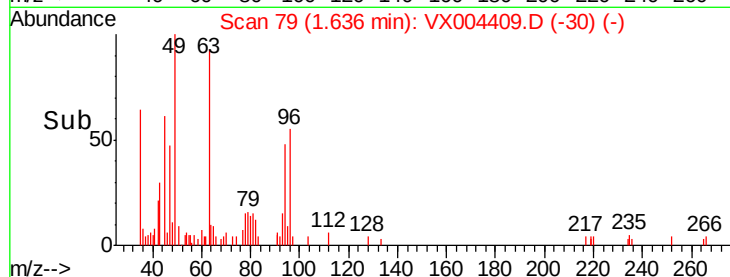
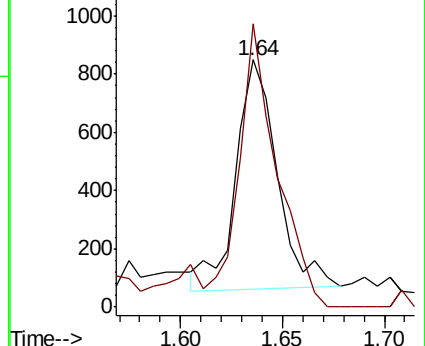
94 100

96 125.4 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: 2.29 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004409.D

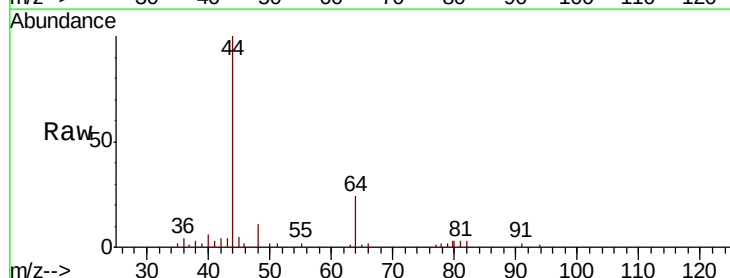
Acq: 07 Sep 2018 16:05

Tgt Ion: 64 Resp: 4485

Ion Ratio Lower Upper

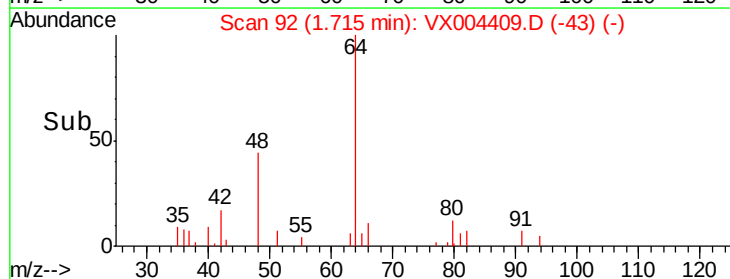
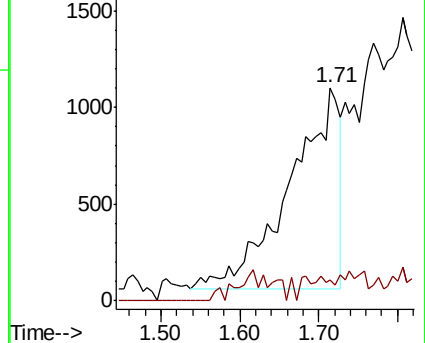
64 100

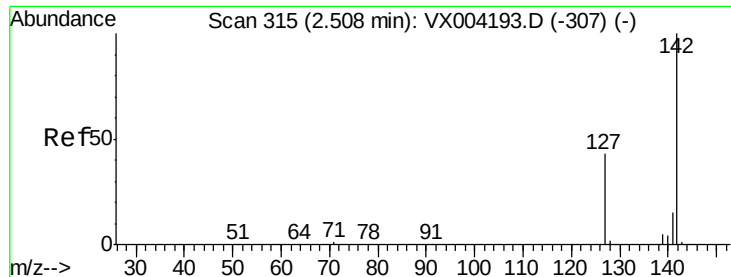
66 10.4 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

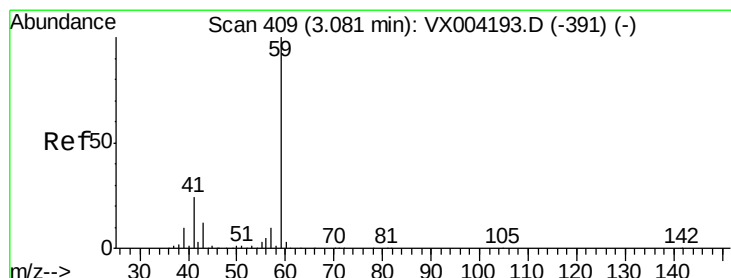
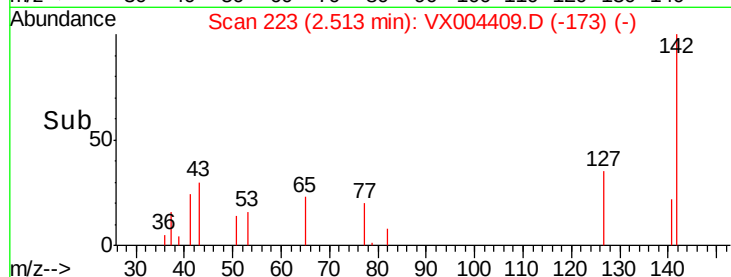
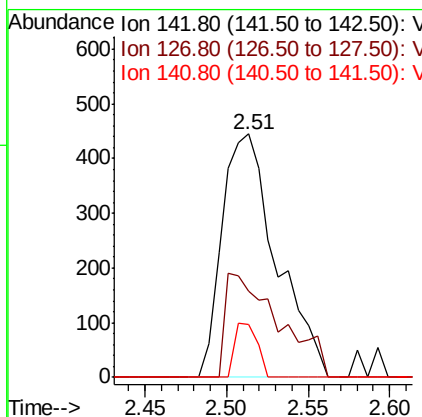
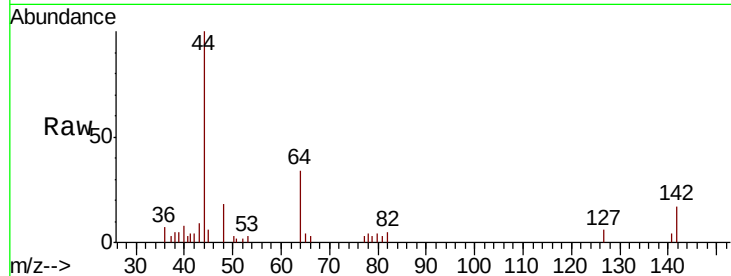




#10
Methvl Iodide
Concen: 4.50 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

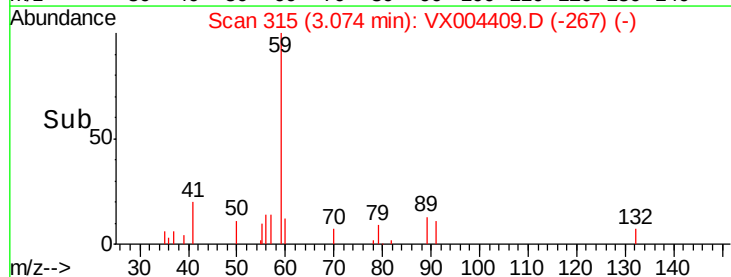
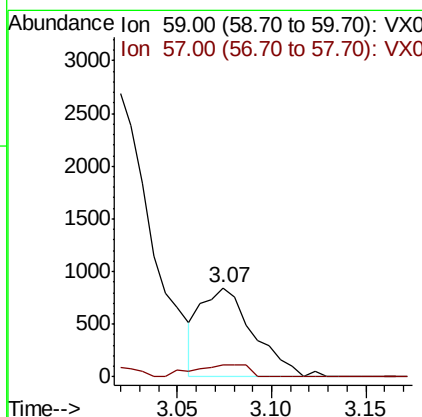
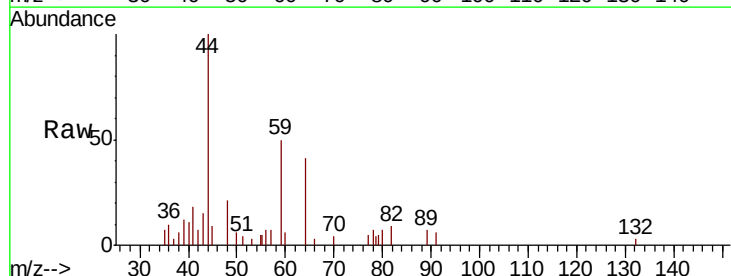
Instrument :
MSVOA_X
ClientSampleId :
FB090518

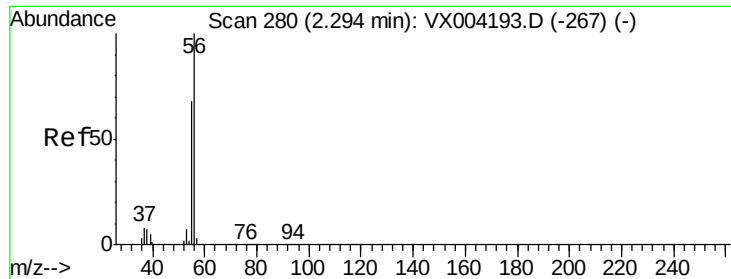
Tot Ion:142 Resp: 1034
Ion Ratio Lower Upper
142 100
127 42.7 33.8 50.6
141 9.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.84 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

Tgt Ion: 59 Resp: 1639
Ion Ratio Lower Upper
59 100
57 14.1 8.2 12.4#

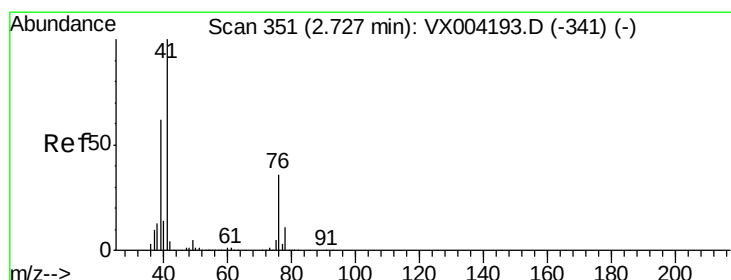
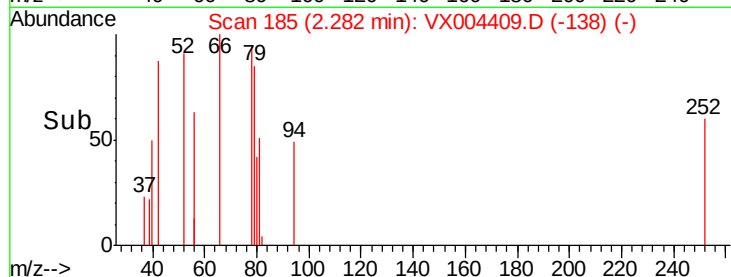
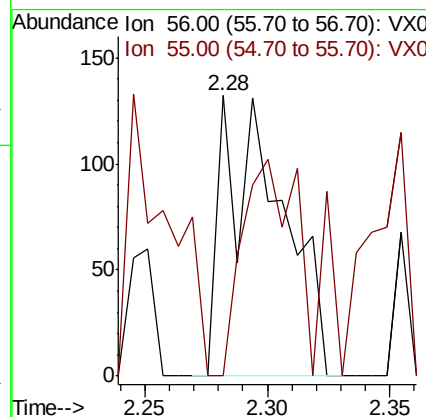
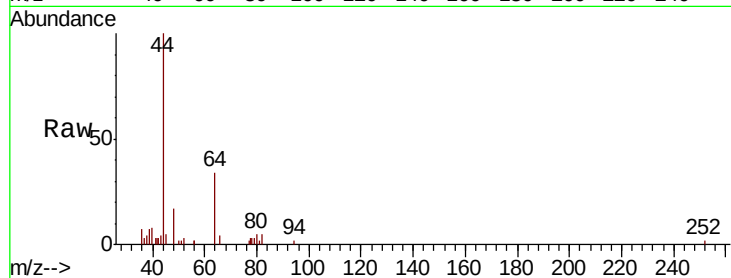




#13
Acrolein
Concen: 1.03 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

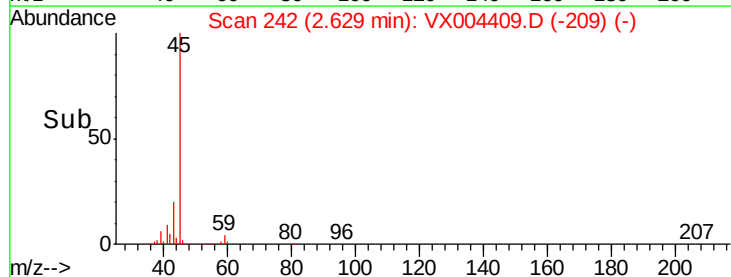
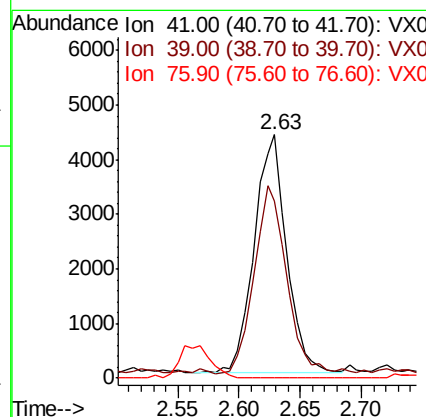
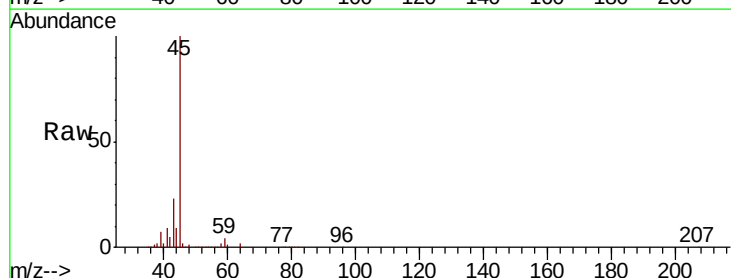
Instrument :
MSVOA_X
ClientSampleId :
FB090518

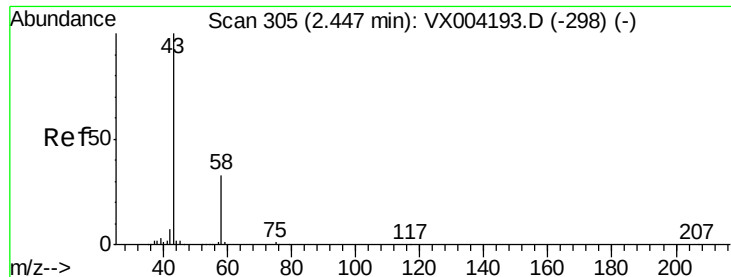
Tot Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 69.2 54.7 82.1



#14
Allyl chloride
Concen: 1.29 ug/l
RT: 2.63 min Scan# 242
Delta R.T. -0.10 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

Tgt Ion: 41 Resp: 8044
Ion Ratio Lower Upper
41 100
39 79.2 48.9 73.3#
76 0.0 26.7 40.1#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004409.D

Acq: 07 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

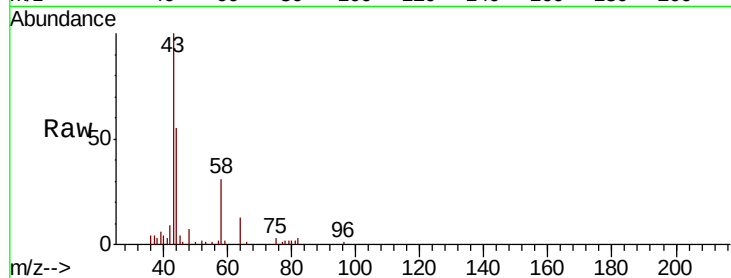
FB090518

Tot Ion: 43 Resp: 9484

Ion Ratio Lower Upper

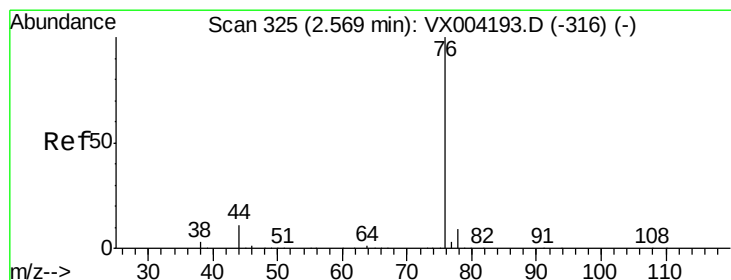
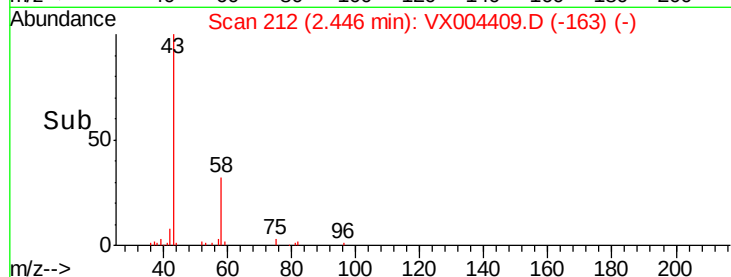
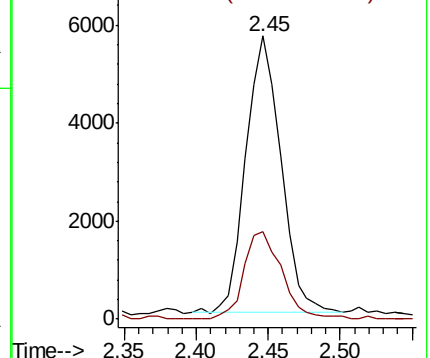
43 100

58 31.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.91 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004409.D

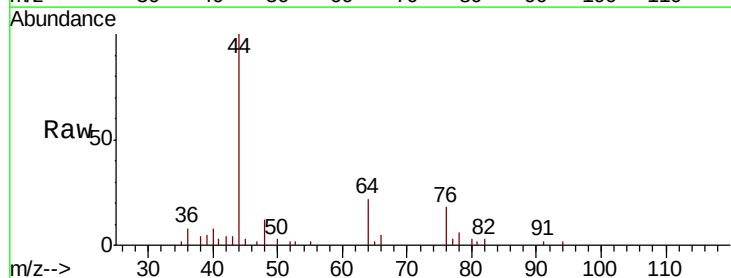
Acq: 07 Sep 2018 16:05

Tgt Ion: 76 Resp: 1071

Ion Ratio Lower Upper

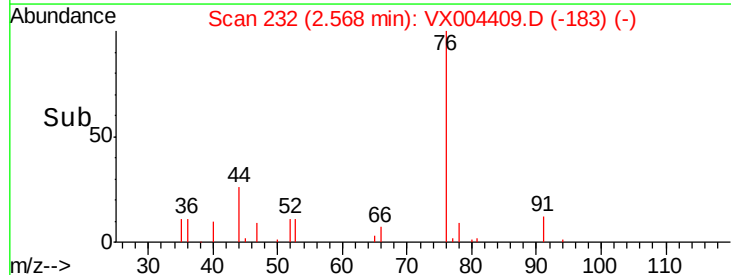
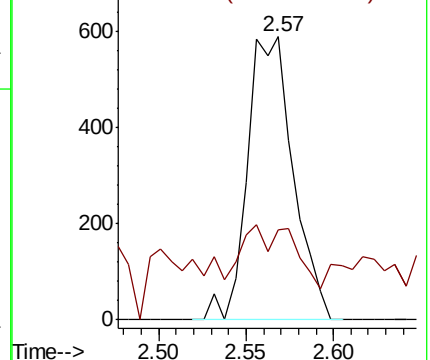
76 100

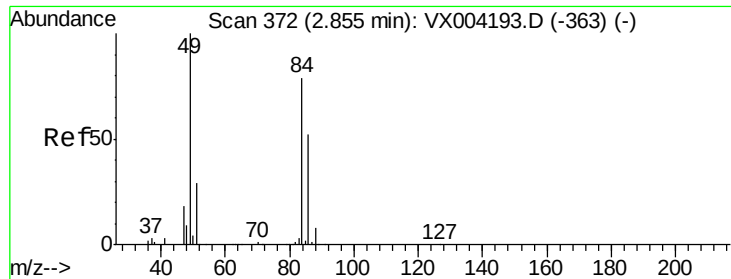
78 12.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

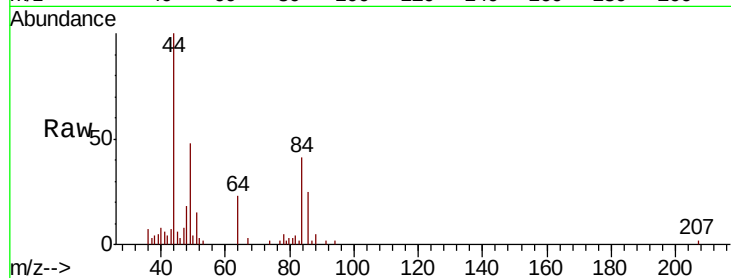




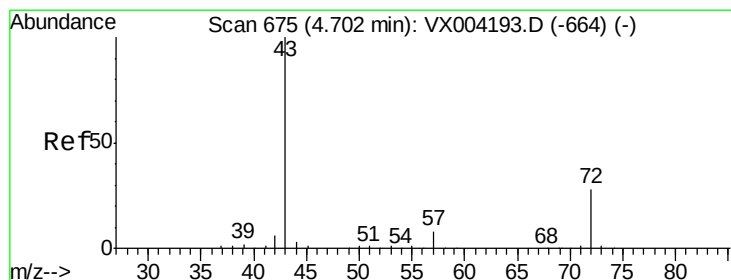
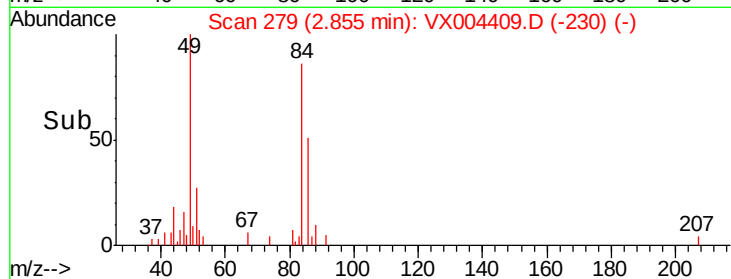
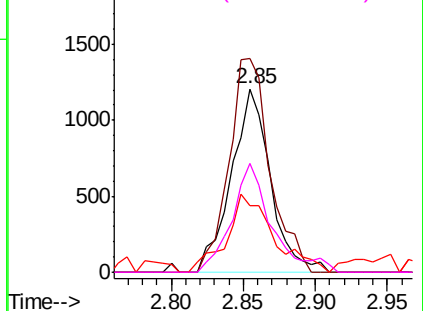
#20
Methvlene Chloride
Concen: 0.56 ua/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
FB090518

Tot Ion: 84 Resp: 2278
Ion Ratio Lower Upper
84 100
49 116.6 101.2 151.8
51 36.3 29.5 44.3
86 59.7 52.3 78.5

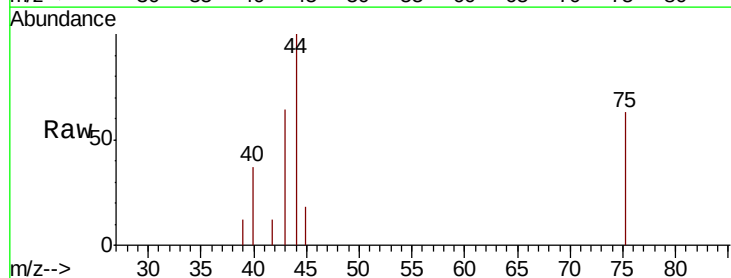


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

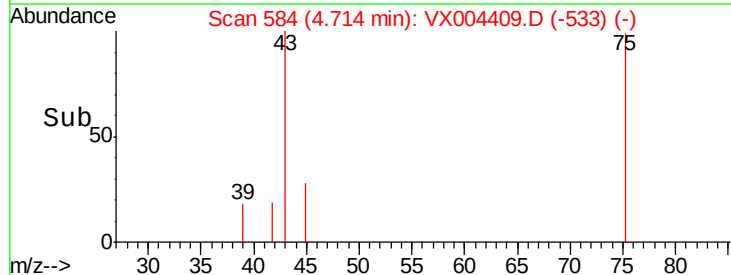
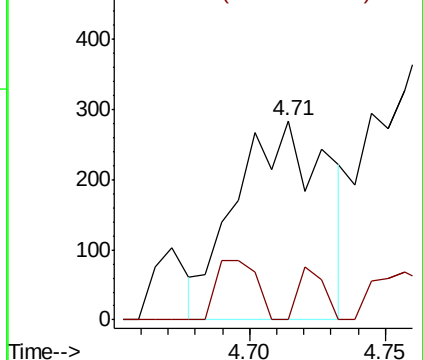


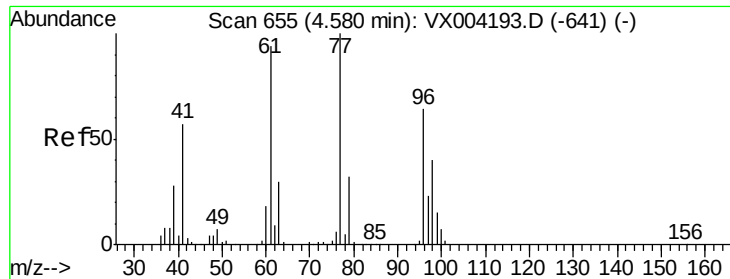
#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

Tgt Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

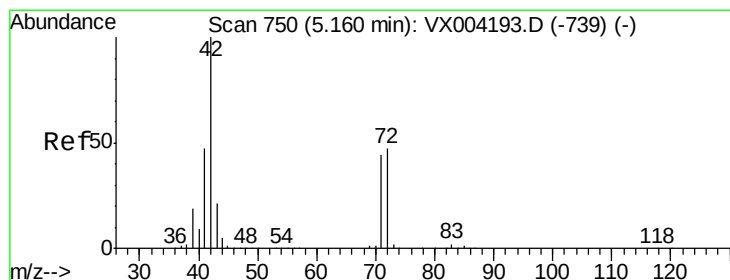
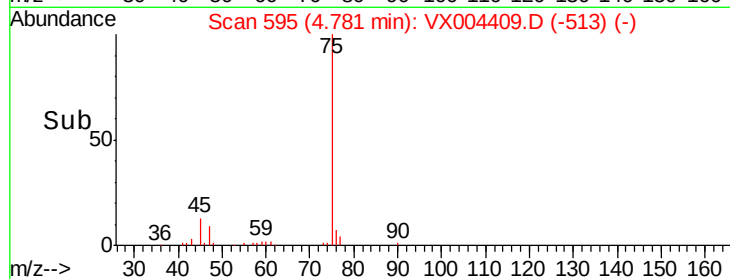
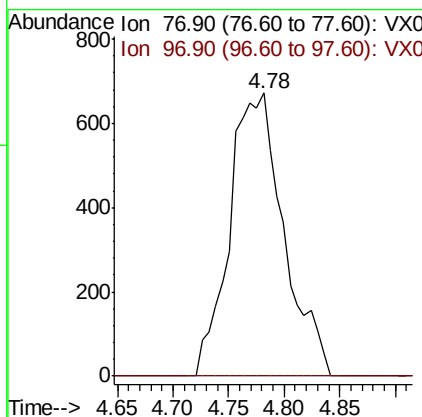
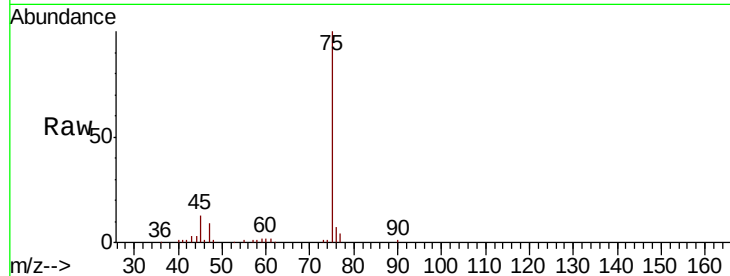




#26
 2,2-Dichloropropane
 Concen: 0.43 ug/l
 RT: 4.78 min Scan# 595
 Delta R.T. 0.20 min
 Lab File: VX004409.D
 Acq: 07 Sep 2018 16:05

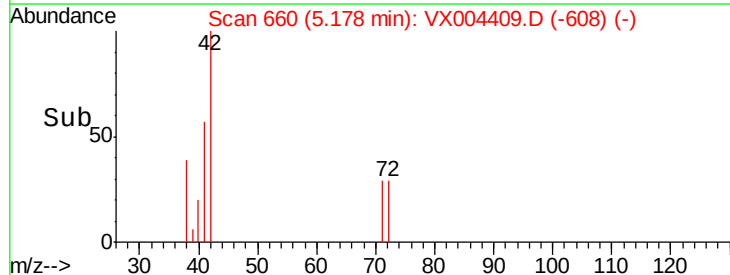
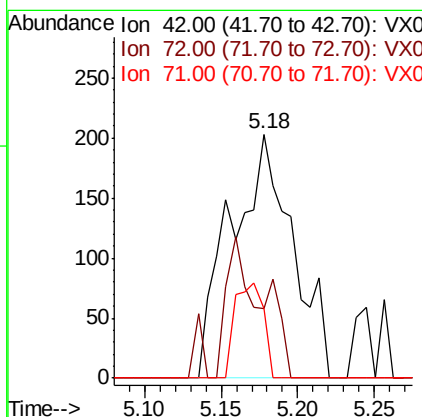
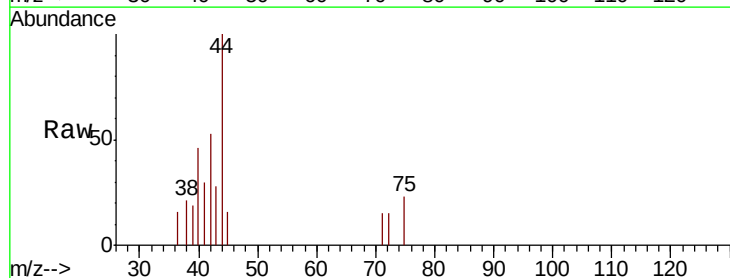
Instrument :
 MSVOA_X
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 FB090518

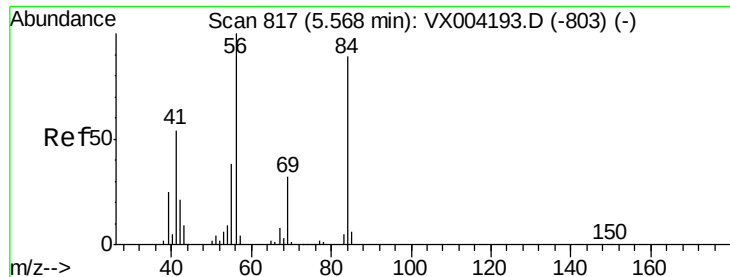
Tot Ion: 77 Resp: 2271
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 0.32 ug/l
 RT: 5.18 min Scan# 660
 Delta R.T. 0.02 min
 Lab File: VX004409.D
 Acq: 07 Sep 2018 16:05

Tgt Ion: 42 Resp: 570
 Ion Ratio Lower Upper
 42 100
 72 33.3 37.4 56.0#
 71 17.9 34.5 51.7#

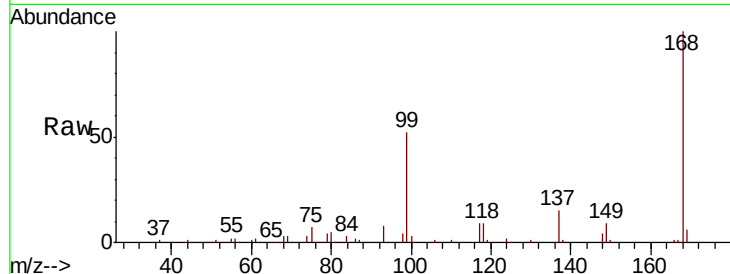




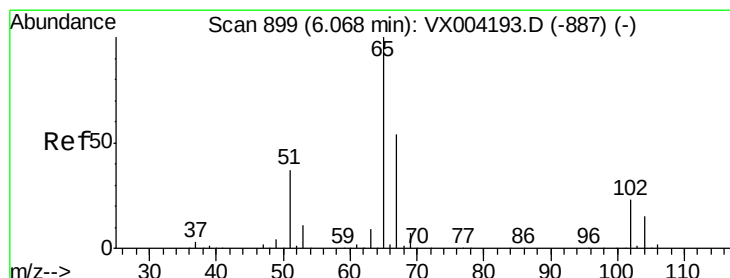
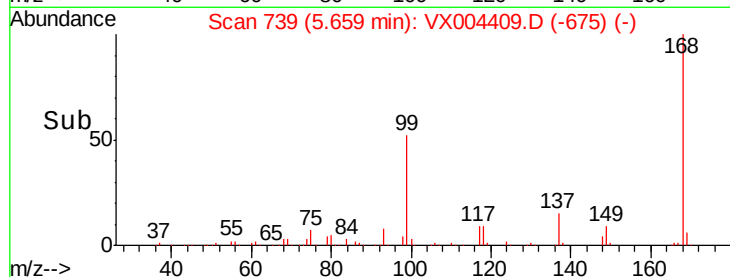
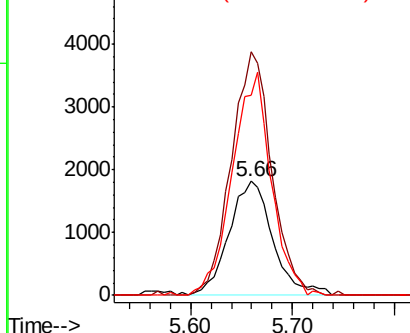
#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

Instrument :
MSVOA_X
ClientSampled :
FB090518

Tot Ion: 56 Resp: 5435
Ion Ratio Lower Upper
56 100
69 213.3 25.4 38.2#
84 175.6 71.4 107.2#

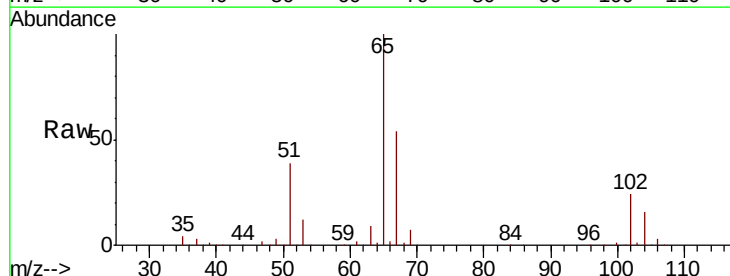


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

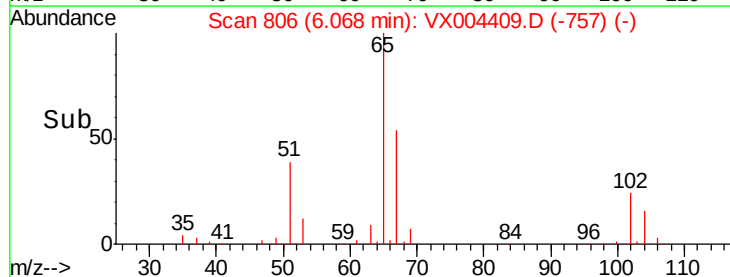
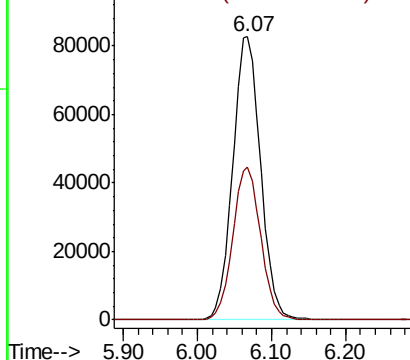


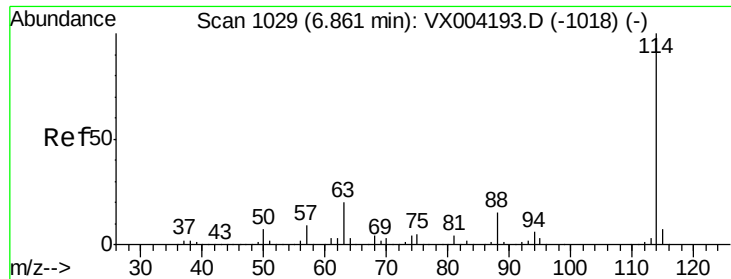
#33
1,2-Dichloroethane-d4
Concen: 51.79 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

Tgt Ion: 65 Resp: 216993
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.8



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

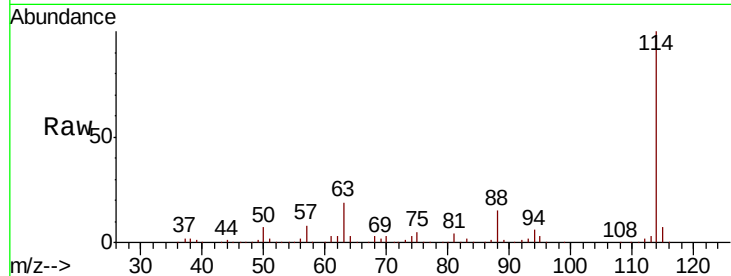




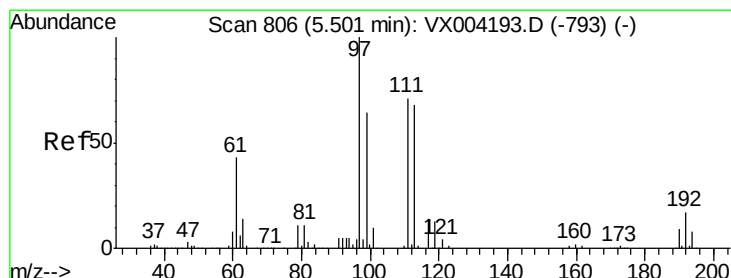
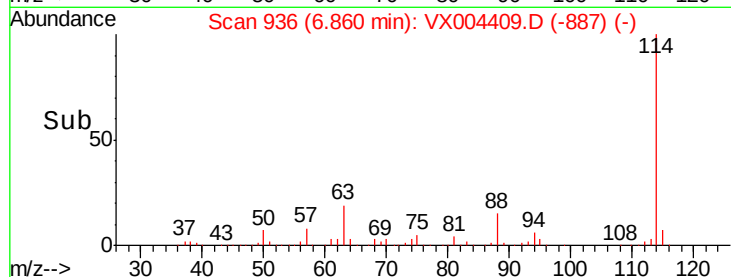
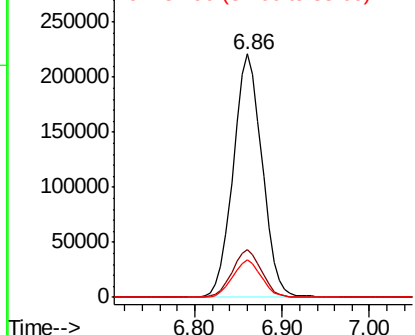
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004409.D
 Acq: 07 Sep 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 FB090518

Tot Ion:114 Resp: 508997
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.3 0.0 30.4

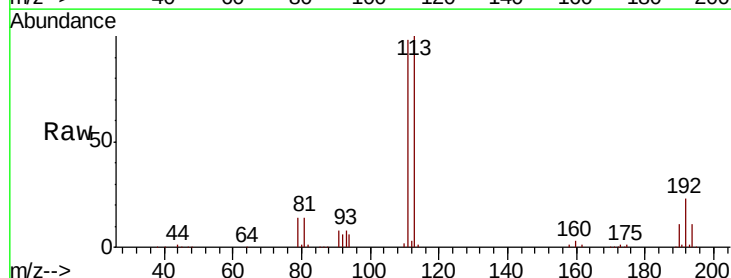


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

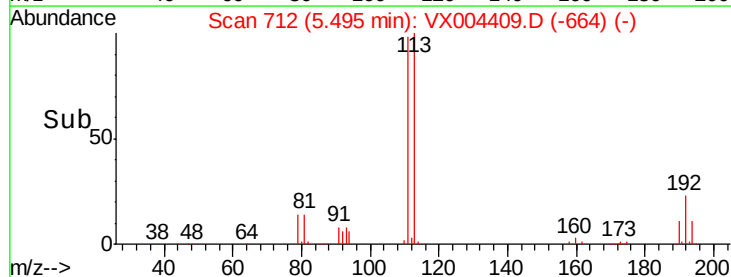
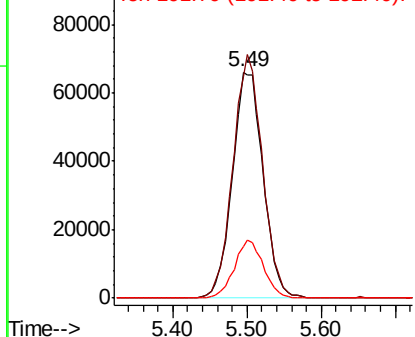


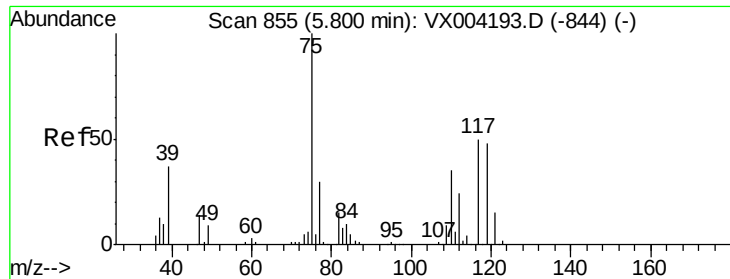
#35
 Dibromofluoromethane
 Concen: 50.46 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004409.D
 Acq: 07 Sep 2018 16:05

Tgt Ion:113 Resp: 191081
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 24.3 19.4 29.2



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

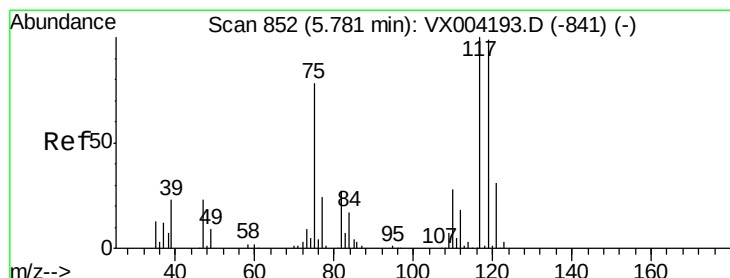
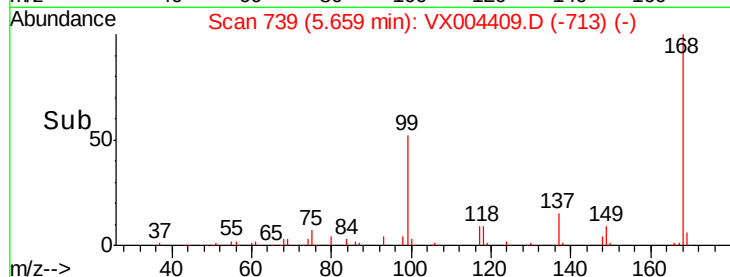
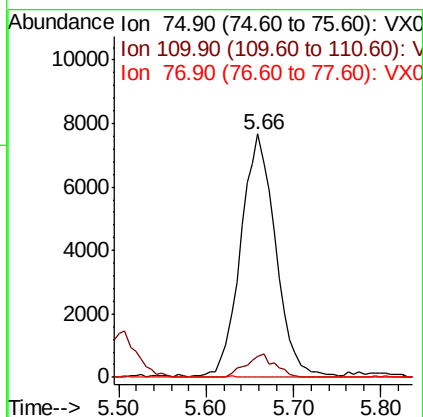
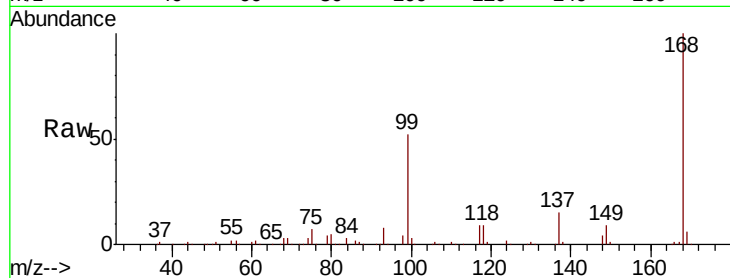




#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004409.D
 Acq: 07 Sep 2018 16:05

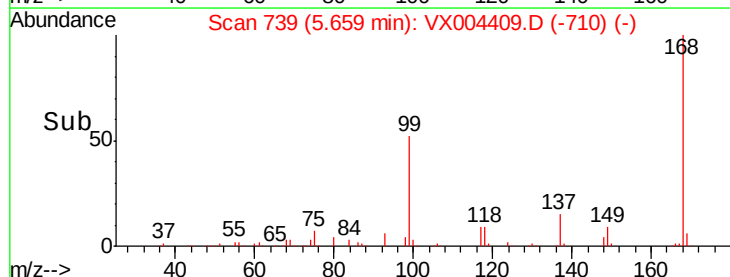
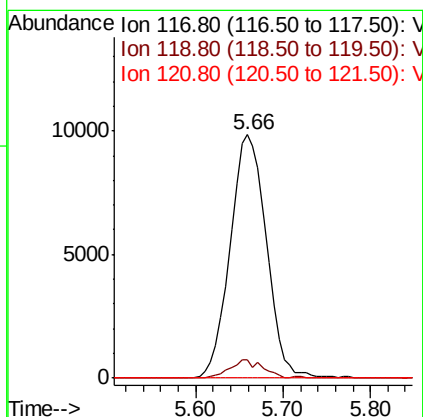
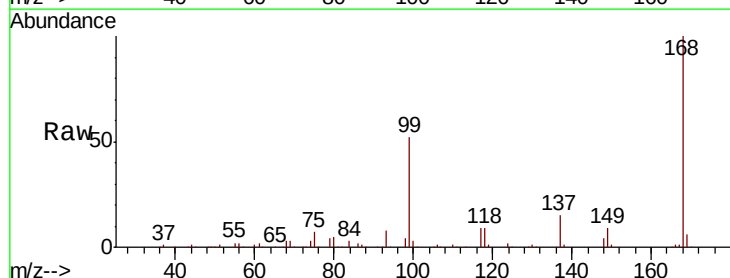
Instrument :
 MSVOA_X
 ClientSampleId :
 FB090518

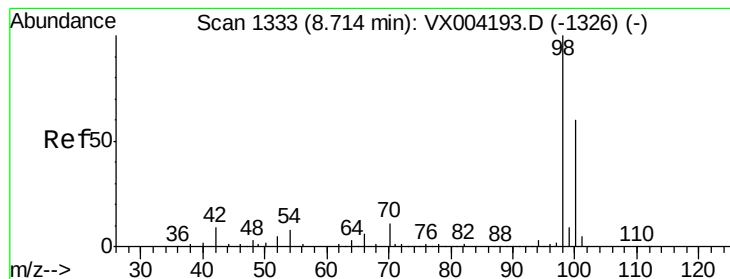
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.28 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004409.D
 Acq: 07 Sep 2018 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	78.8	118.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 50.70 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004409.D

Acq: 07 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampled :

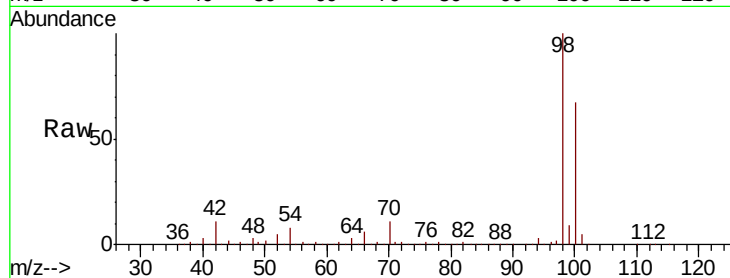
FB090518

Tot Ion: 98 Resp: 724690

Ion Ratio Lower Upper

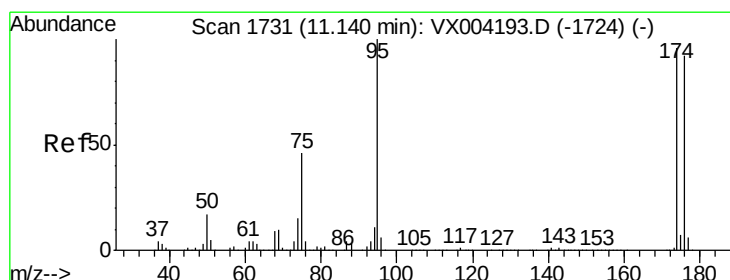
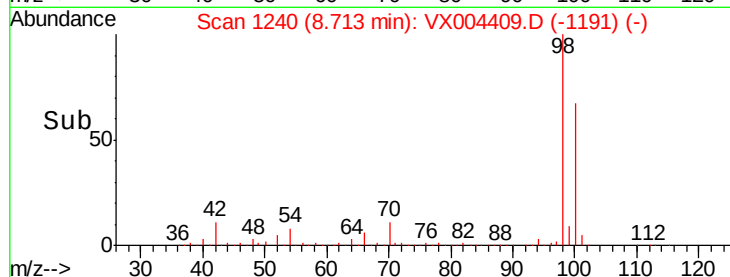
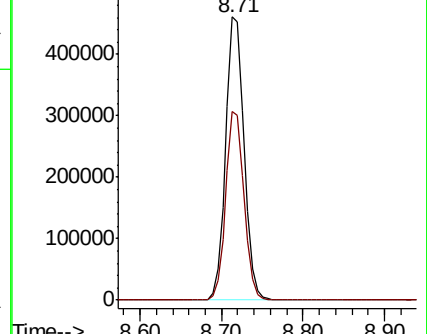
98 100

100 66.2 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: 48.89 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004409.D

Acq: 07 Sep 2018 16:05

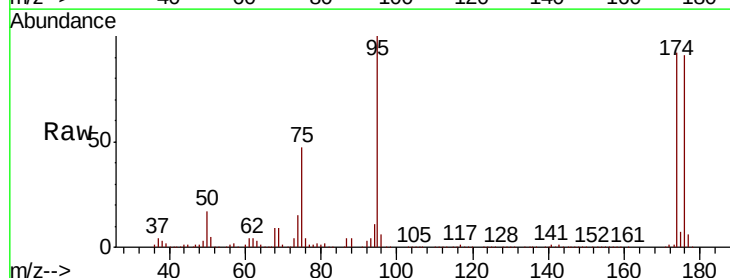
Tgt Ion: 95 Resp: 260750

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.2

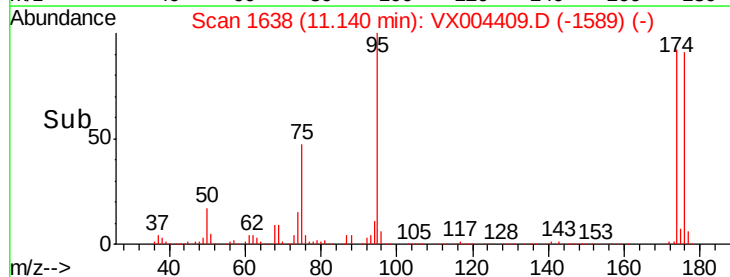
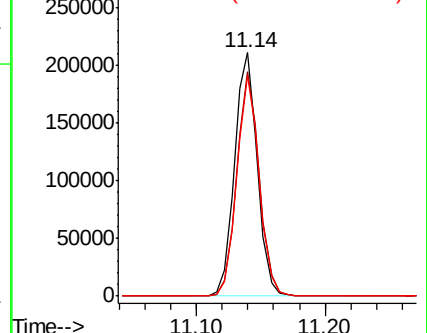
176 88.8 0.0 178.6

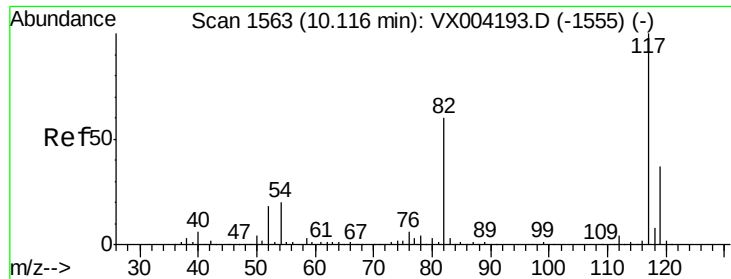


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

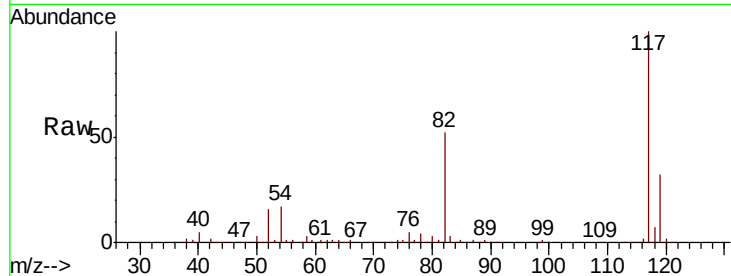




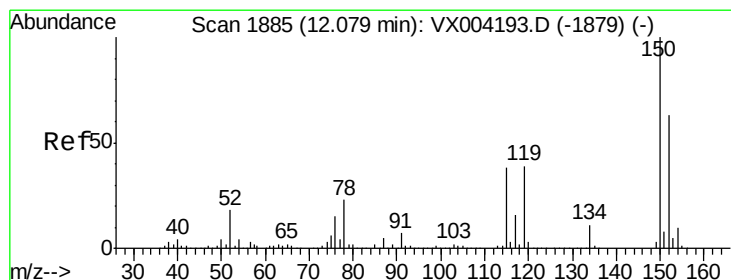
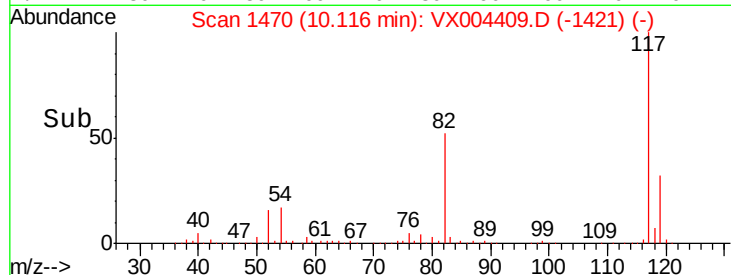
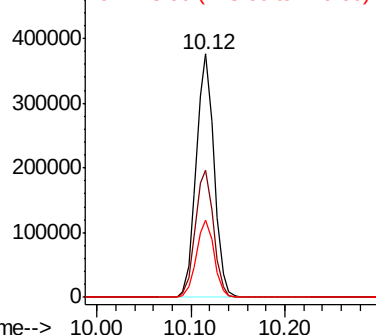
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

Instrument :
MSVOA_X
ClientSampled :
FB090518

Tot Ion:117 Resp: 494557
Ion Ratio Lower Upper
117 100
82 52.4 47.8 71.6
119 31.8 29.3 43.9

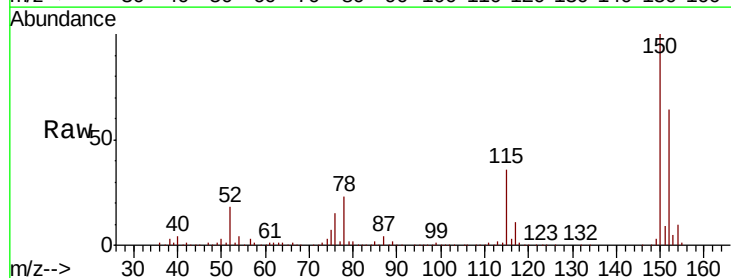


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

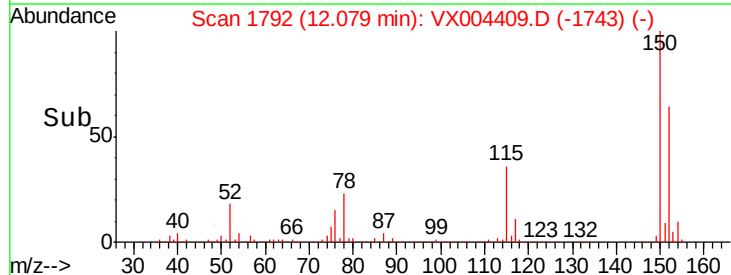
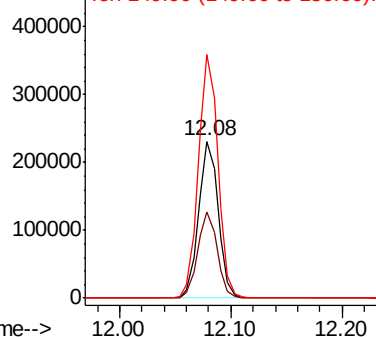


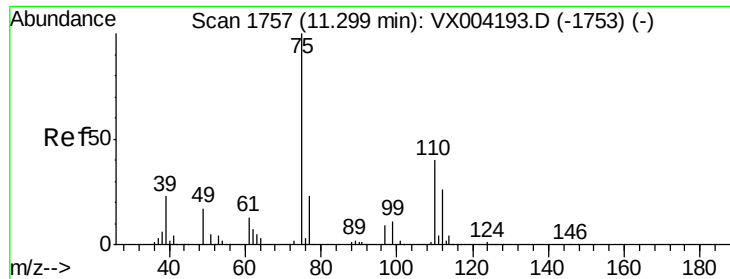
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004409.D
Acq: 07 Sep 2018 16:05

Tgt Ion:152 Resp: 281065
Ion Ratio Lower Upper
152 100
115 54.9 39.0 117.0
150 155.6 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

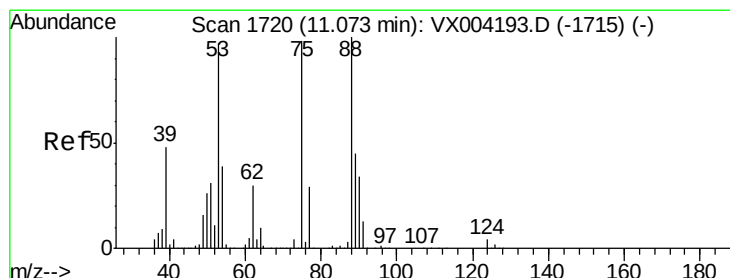
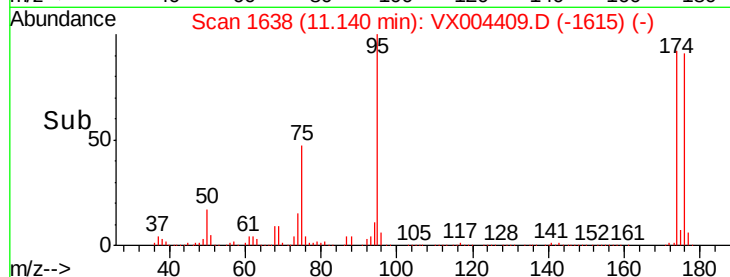
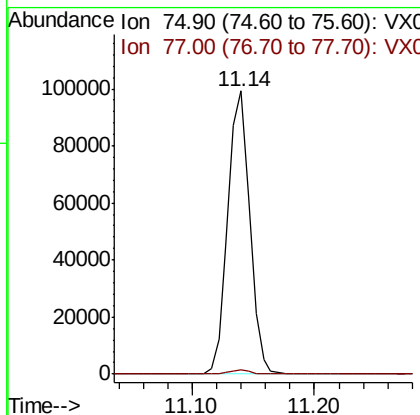
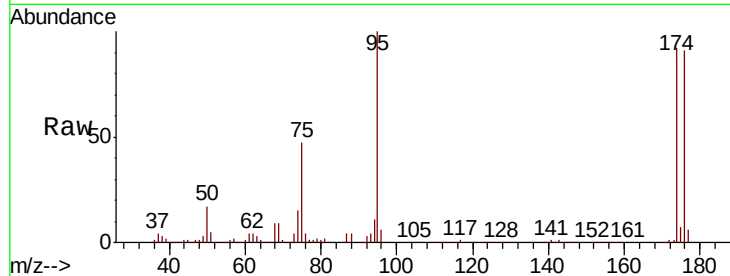




#76
 1,2,3-Trichloropropane
 Concen: 21.55 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004409.D
 Acq: 07 Sep 2018 16:05

Instrument :
 MSVOA_X
 ClientSampled :
 FB090518

Tot Ion: 75 Resp: 123174
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.91 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX004409.D
 Acq: 07 Sep 2018 16:05

Tgt Ion: 75 Resp: 123174
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 37.2 55.8#

