

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
 Data File : VX008630.D
 Acq On : 04 Apr 2019 13:01
 Operator : JC/SP
 Sample : K2263-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-040219

Quant Time: Apr 05 07:03:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127315	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	151279	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	5.50	113	110190	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	8.71	98	451850	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	152915	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

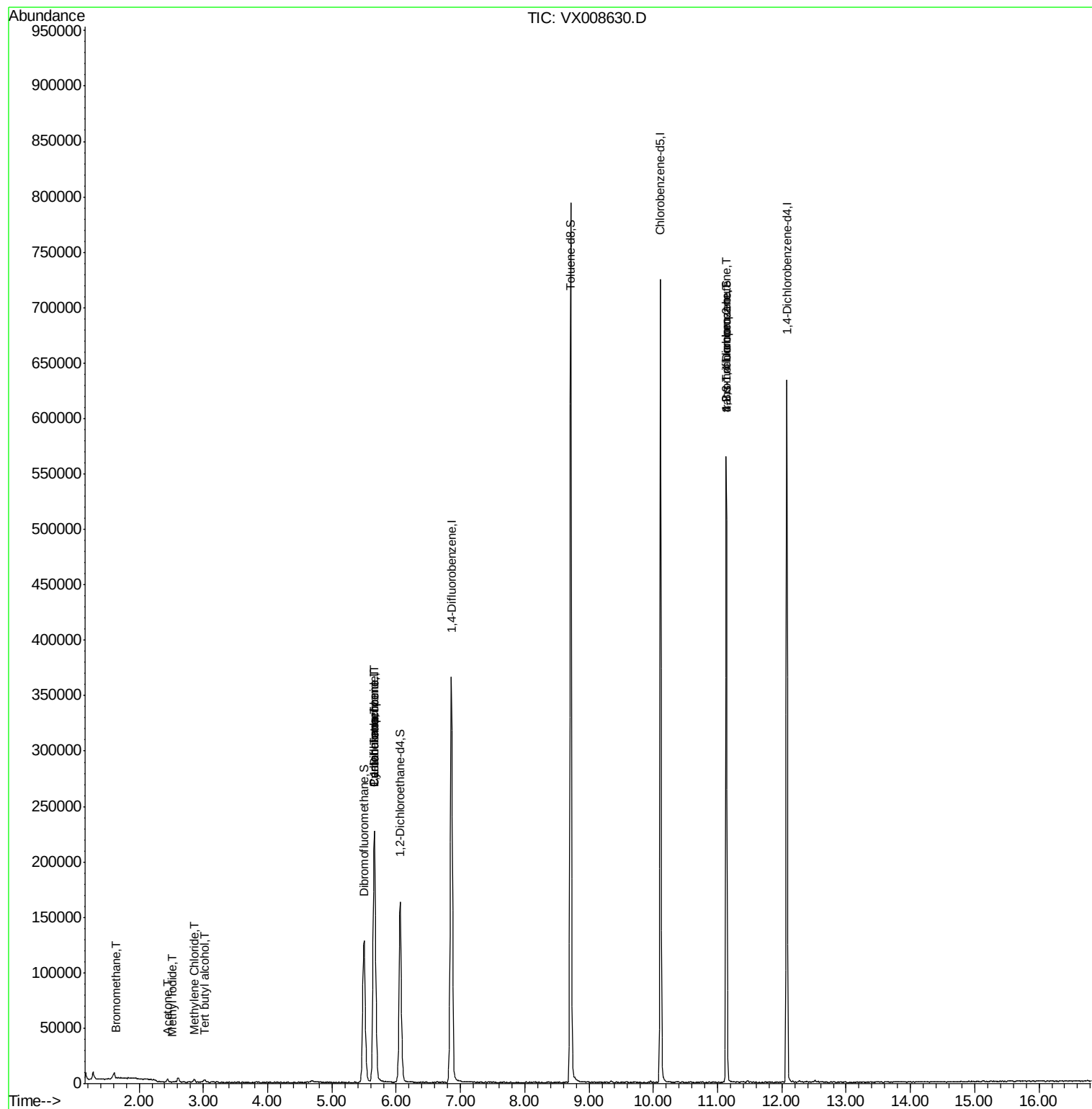
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	425	Below Cal	#	88
5) Bromomethane	1.64	94	600	2.235	ug/l	100
6) Chloroethane	1.67	64	2247	Below Cal	#	59
10) Methyl Iodide	2.51	142	150	4.067	ug/l #	84
11) Tert butyl alcohol	3.01	59	1441	1.958	ug/l #	76
16) Acetone	2.44	43	3527	1.948	ug/l	100
17) Carbon Disulfide	2.57	76	679	Below Cal	#	68
20) Methylene Chloride	2.85	84	1026	0.339	ug/l #	91
28) Bromochloromethane	5.04	49	67	Below Cal	#	22
31) Cyclohexane	5.66	56	5168	0.952	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17782	4.530	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21288	6.553	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	77457	22.147	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	77457	61.048	ug/l #	9

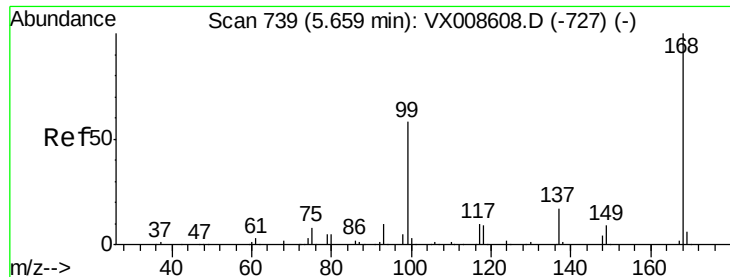
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008630.D

Acq: 04 Apr 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

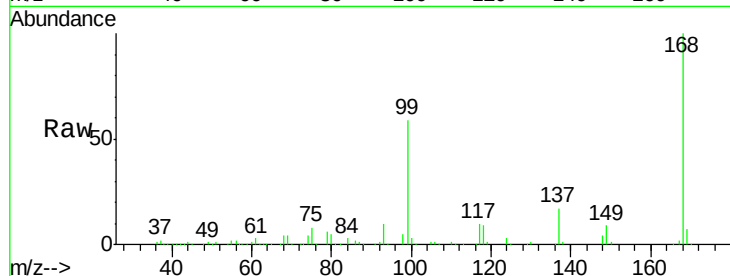
FB-040219

Tgt Ion:168 Resp: 21522

Ion Ratio Lower Upper

168 100

99 59.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

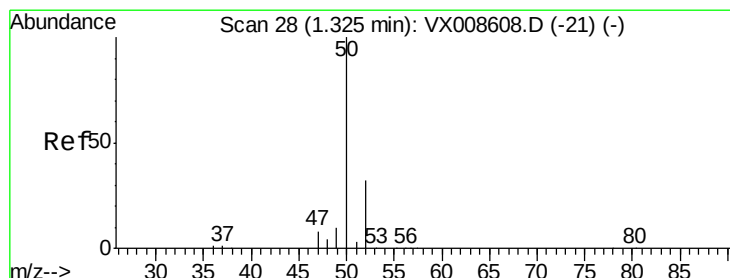
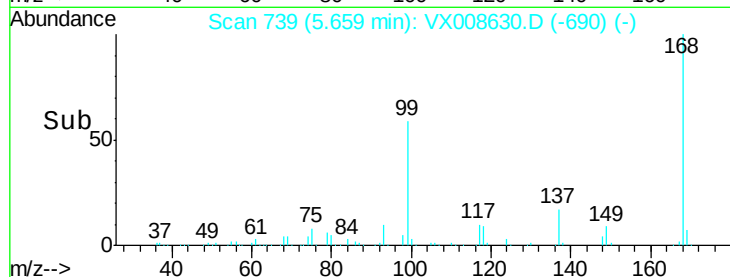
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008630.D

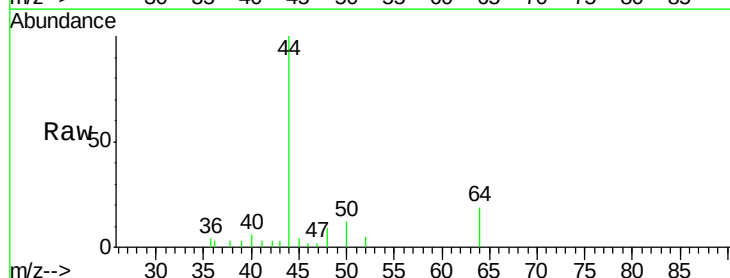
Acq: 04 Apr 2019 13:01

Tgt Ion: 50 Resp: 425

Ion Ratio Lower Upper

50 100

52 25.7 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

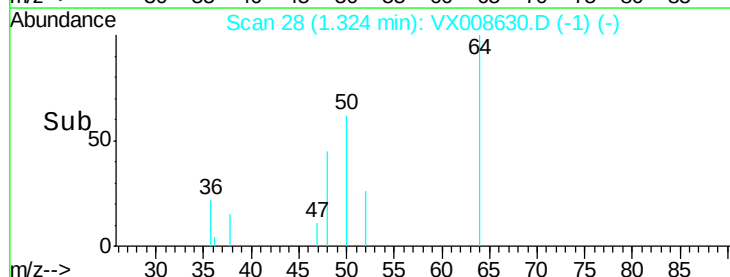
200

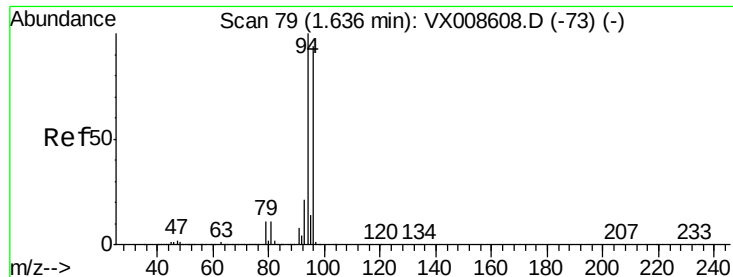
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.235 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008630.D

Acq: 04 Apr 2019 13:01

Instrument :

MSVOA_X

ClientSampled :

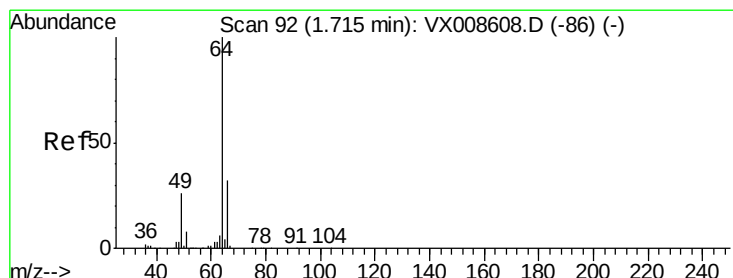
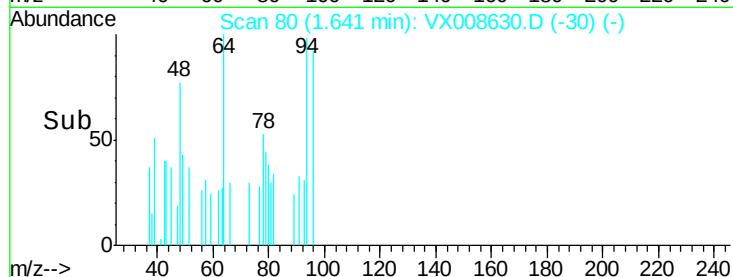
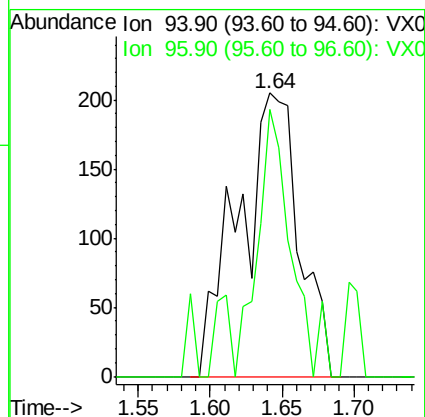
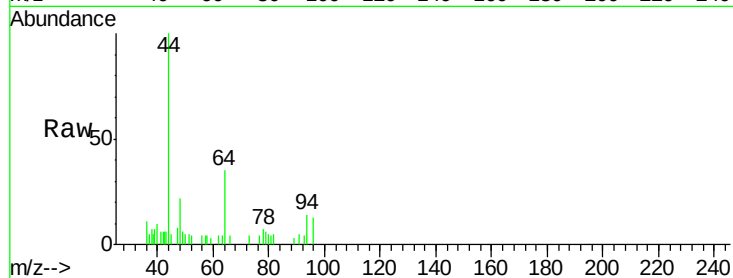
FB-040219

Tgt Ion: 94 Resp: 600

Ion Ratio Lower Upper

94 100

96 94.1 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX008630.D

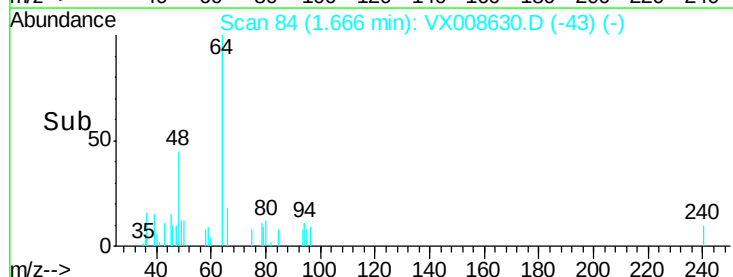
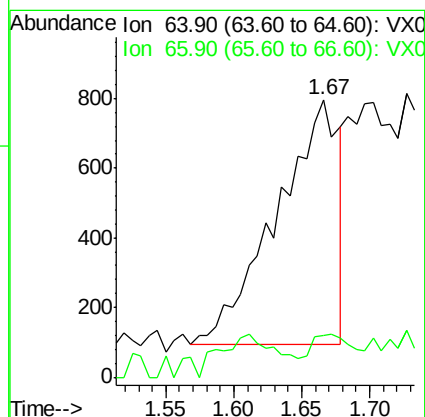
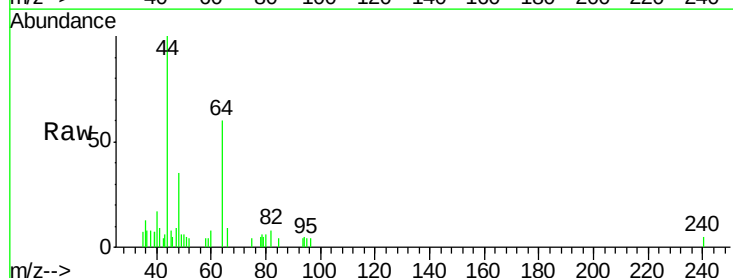
Acq: 04 Apr 2019 13:01

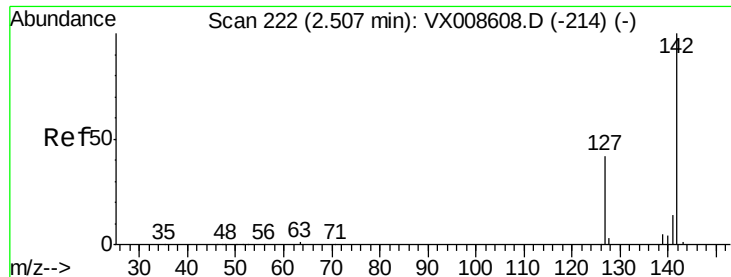
Tgt Ion: 64 Resp: 2247

Ion Ratio Lower Upper

64 100

66 8.9 25.4 38.0#

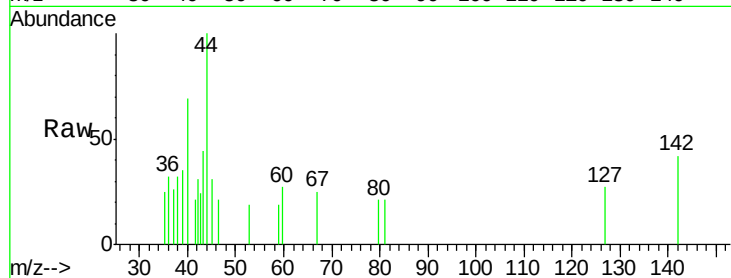




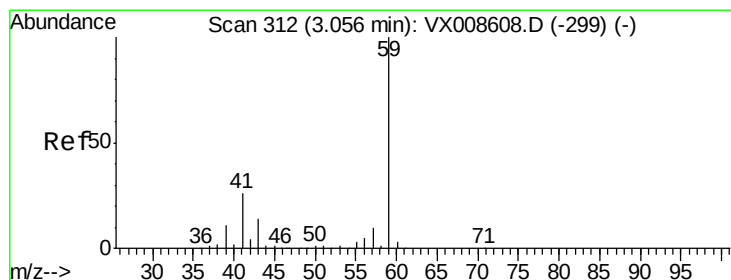
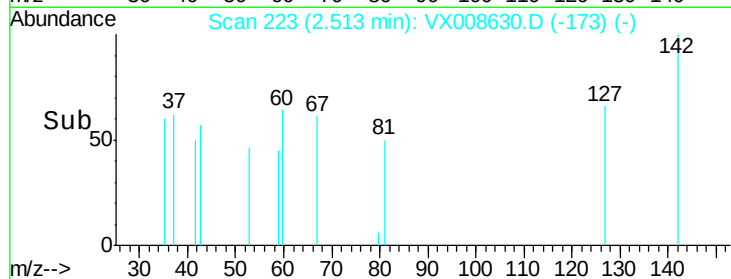
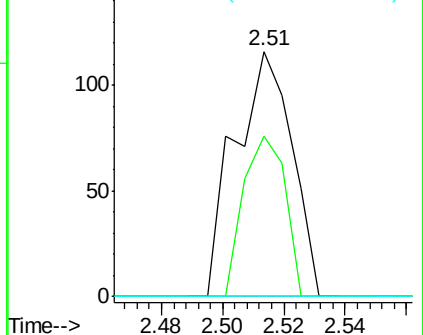
#10
Methyl Iodide
Concen: 4.067 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

Instrument :
MSVOA_X
ClientSampleId :
FB-040219

Tgt Ion: 142 Resp: 150
Ion Ratio Lower Upper
142 100
127 47.3 33.0 49.6
141 0.0 11.4 17.2#

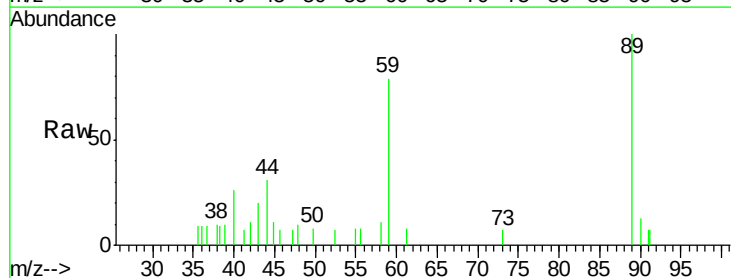


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

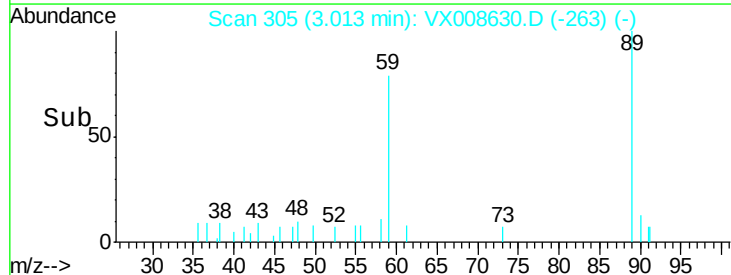
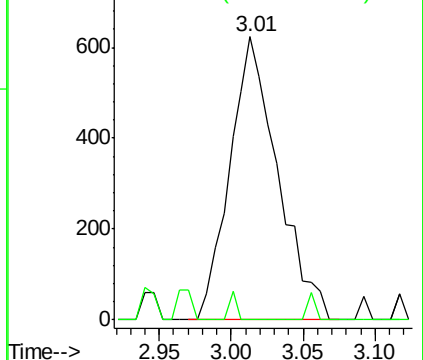


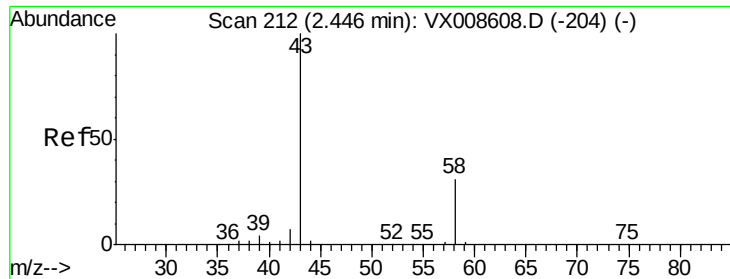
#11
Tert butyl alcohol
Concen: 1.958 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

Tgt Ion: 59 Resp: 1441
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.948 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008630.D

Acq: 04 Apr 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

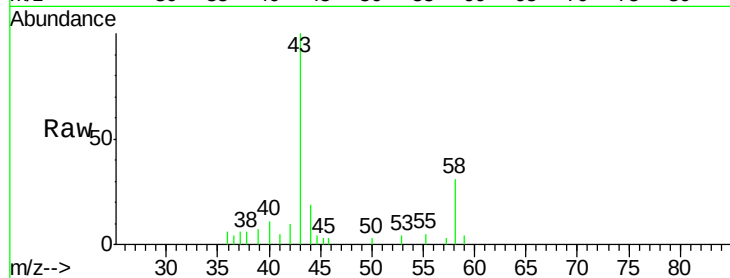
FB-040219

Tgt Ion: 43 Resp: 3527

Ion Ratio Lower Upper

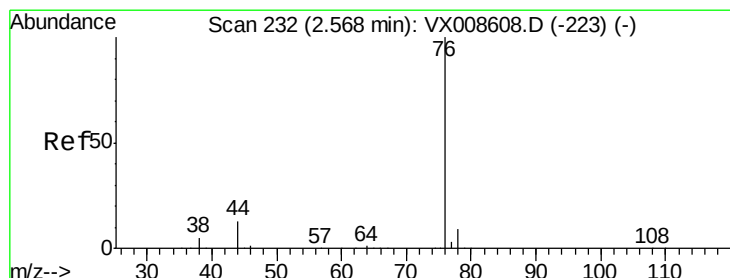
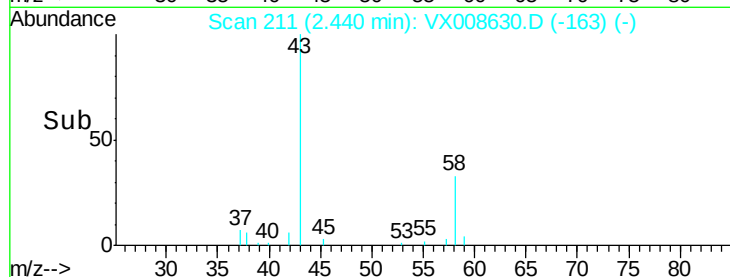
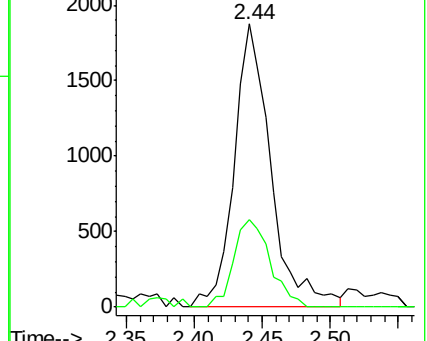
43 100

58 31.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008630.D

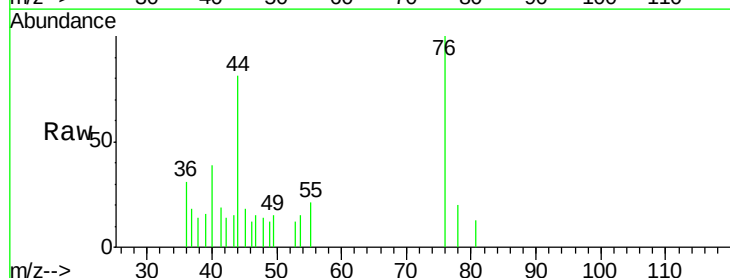
Acq: 04 Apr 2019 13:01

Tgt Ion: 76 Resp: 679

Ion Ratio Lower Upper

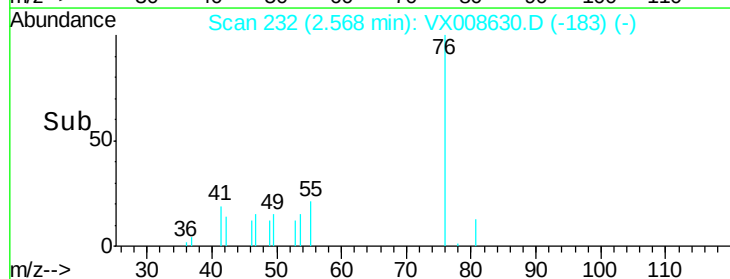
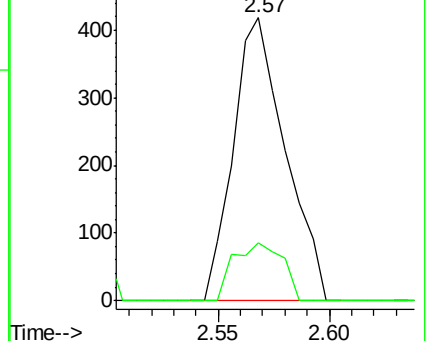
76 100

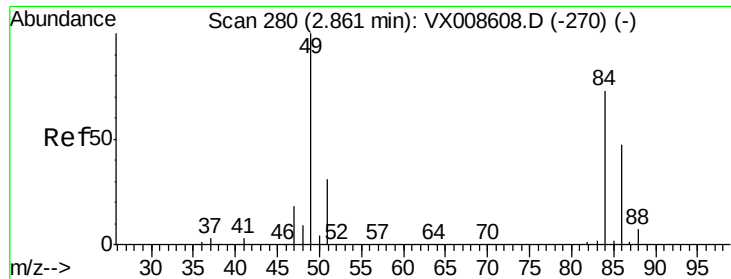
78 20.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

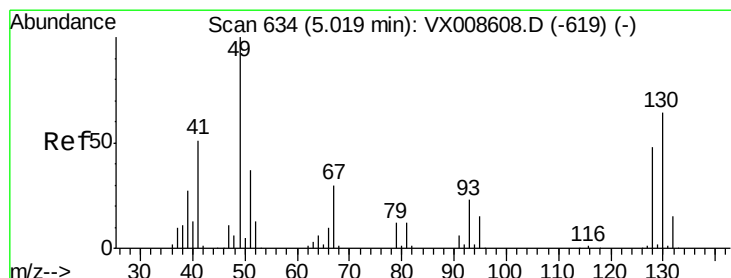
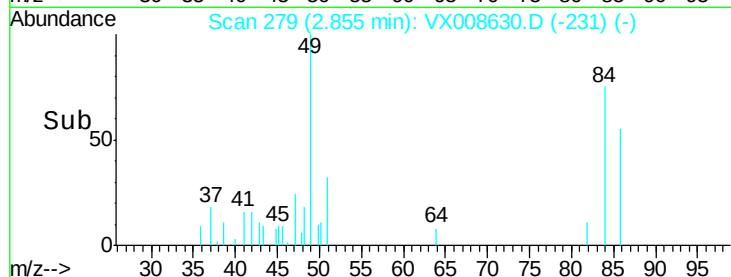
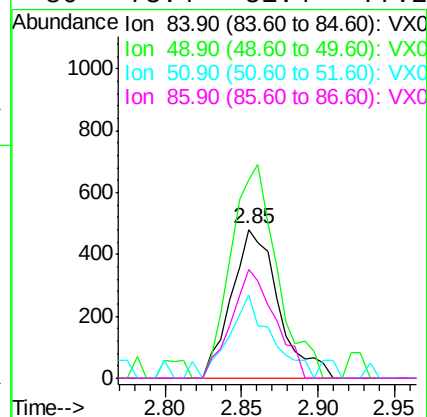
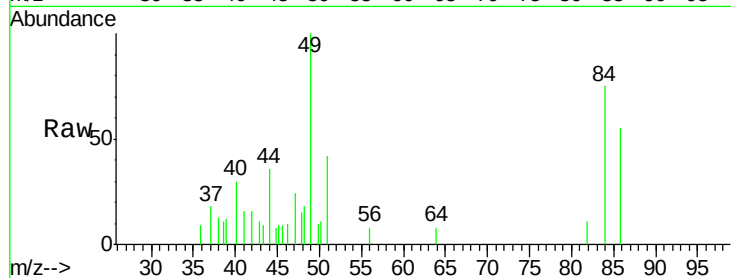




#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

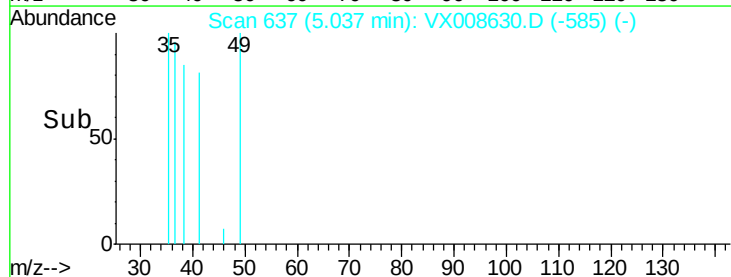
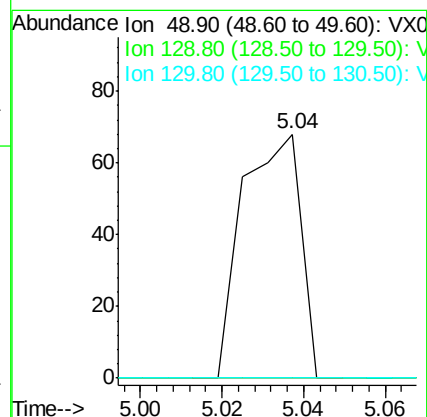
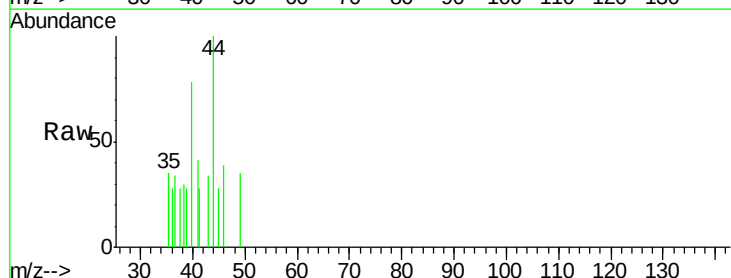
Instrument :
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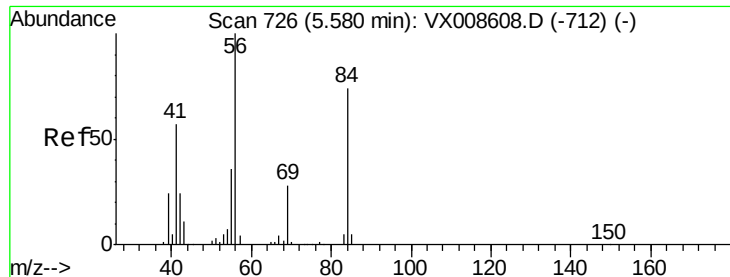
Tgt Ion: 84 Resp: 1026
Ion Ratio Lower Upper
84 100
49 133.3 109.7 164.5
51 56.1 33.6 50.4#
86 73.4 51.4 77.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 637
Delta R.T. 0.02 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

Tgt Ion: 49 Resp: 67
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

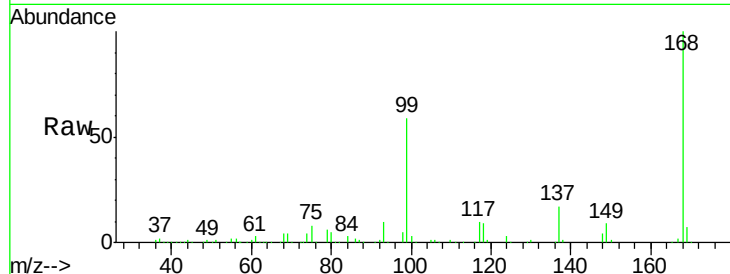




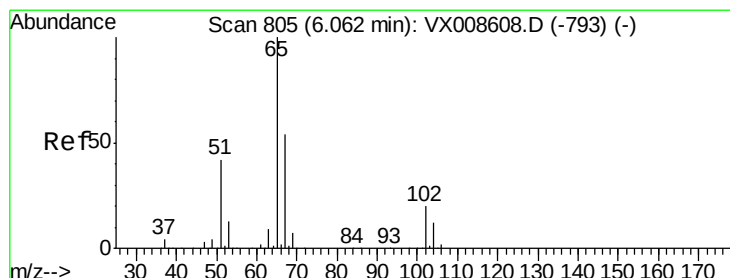
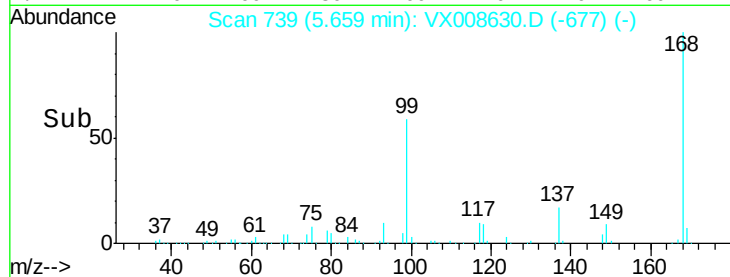
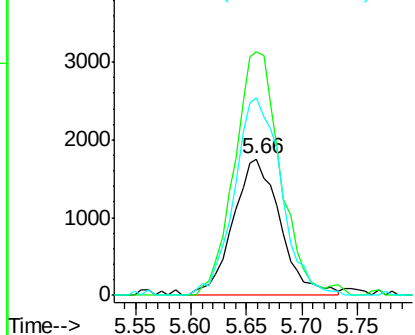
#31
Cyclohexane
Concen: 0.952 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

Instrument :
MSVOA_X
ClientSampled :
FB-040219

Tgt Ion: 56 Resp: 5168
Ion Ratio Lower Upper
56 100
69 178.5 22.6 33.8#
84 145.0 59.3 88.9#

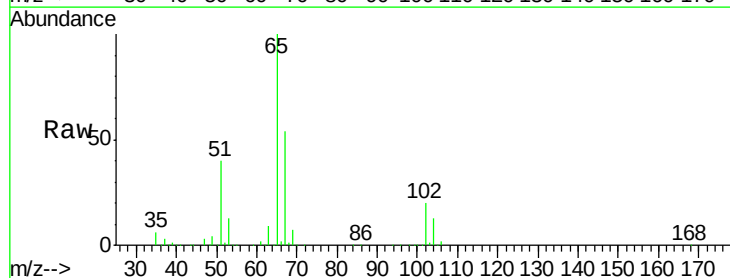


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

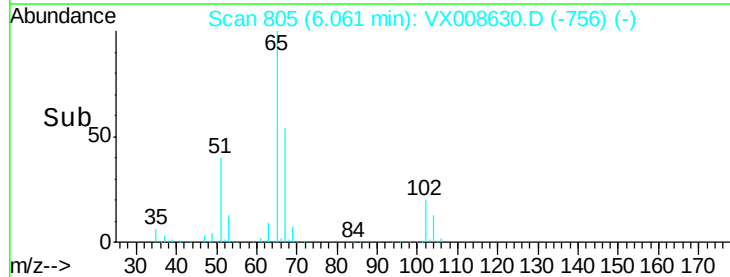
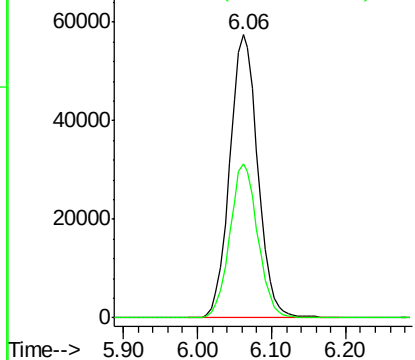


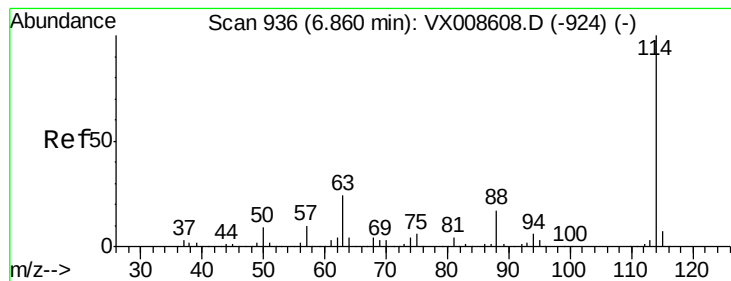
#33
1,2-Dichloroethane-d4
Concen: 48.124 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

Tgt Ion: 65 Resp: 151279
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.2



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008630.D

Acq: 04 Apr 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

FB-040219

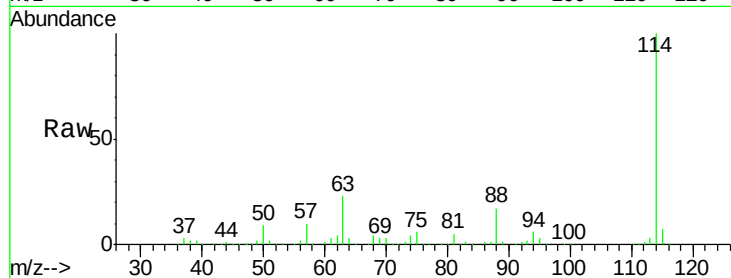
Tgt Ion:114 Resp: 359099

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.2

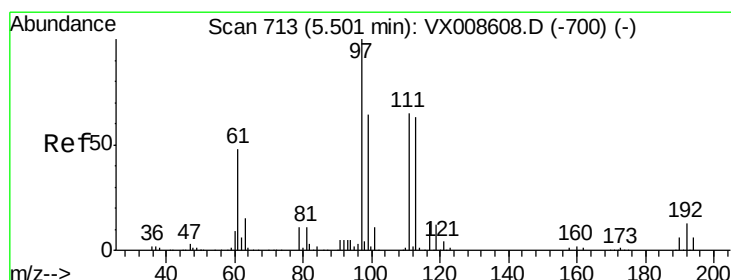
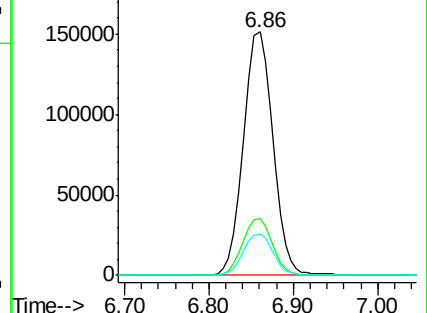
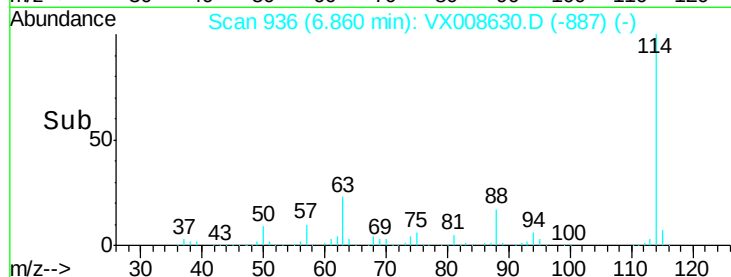
88 17.1 0.0 34.0



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: 47.993 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008630.D

Acq: 04 Apr 2019 13:01

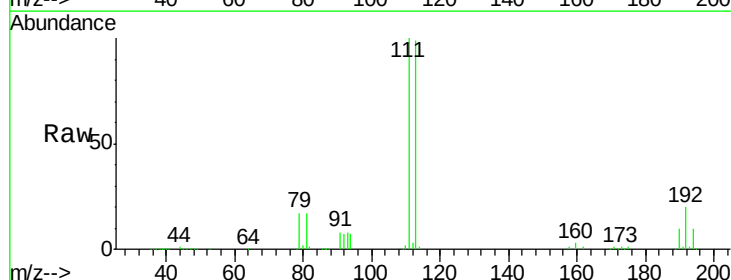
Tgt Ion:113 Resp: 110190

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

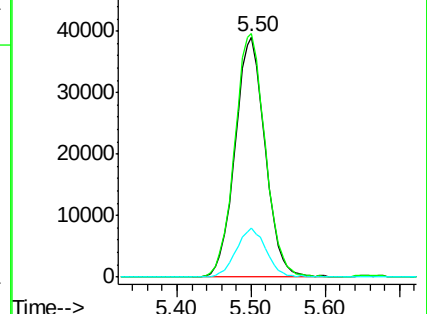
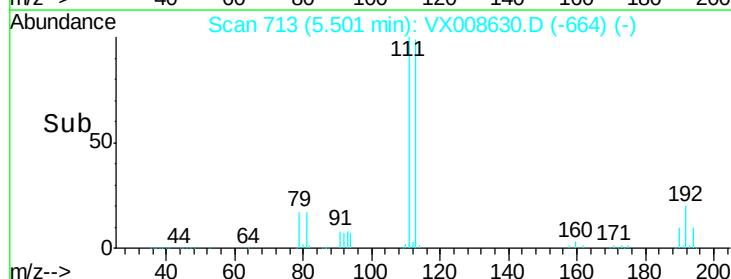
192 20.4 16.1 24.1

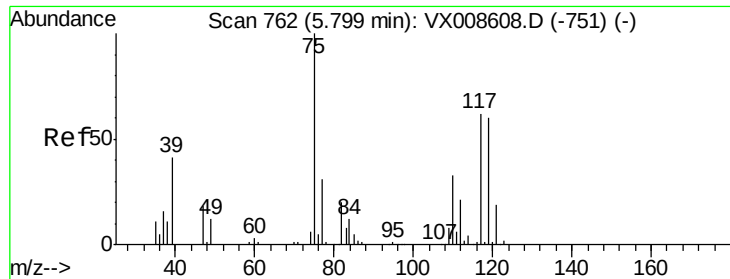


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

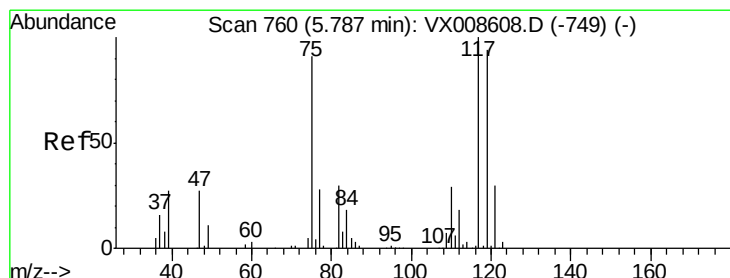
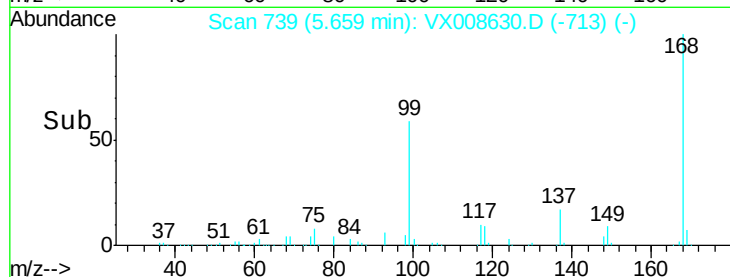
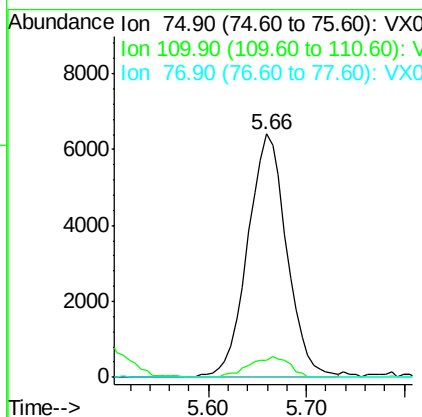
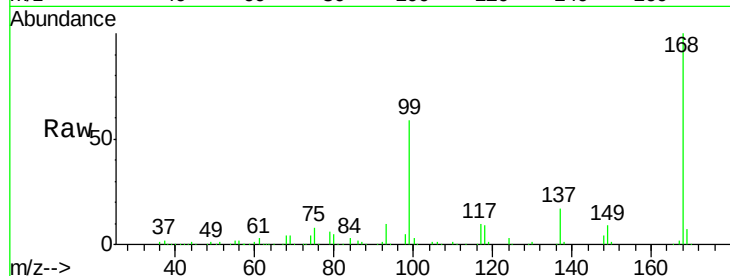




#36
 1,1-Dichloropropene
 Concen: 4.530 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008630.D
 Acq: 04 Apr 2019 13:01

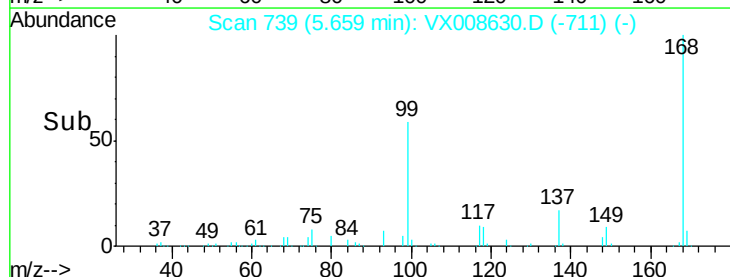
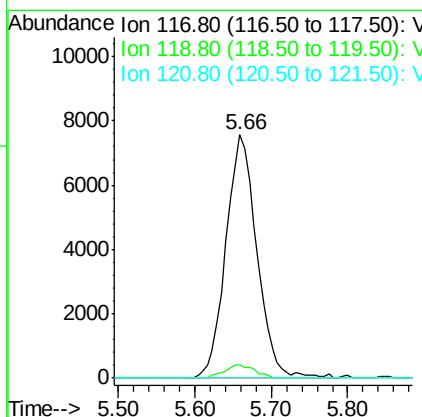
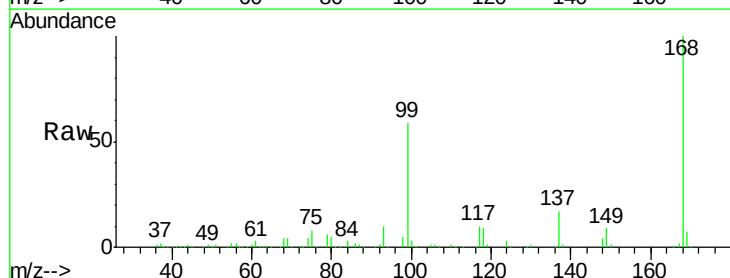
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-040219

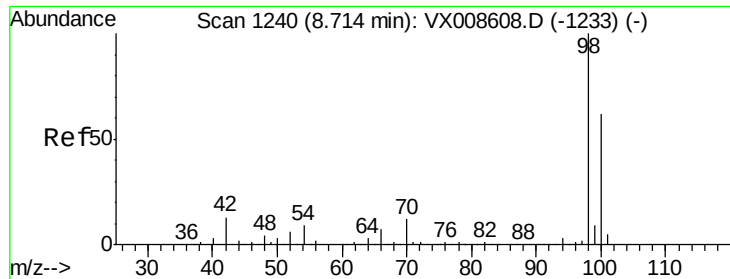
Tgt Ion: 75 Resp: 17782
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.4 49.2#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.553 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008630.D
 Acq: 04 Apr 2019 13:01

Tgt Ion: 117 Resp: 21288
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.0 112.6#
 121 0.0 24.3 36.5#

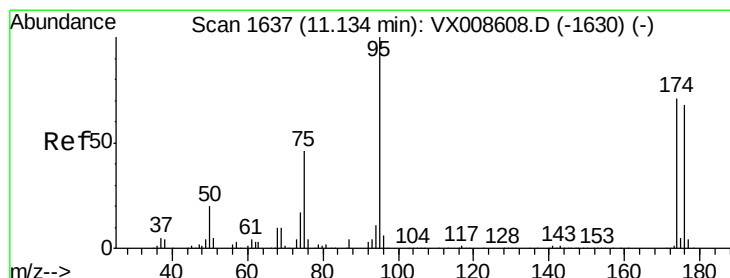
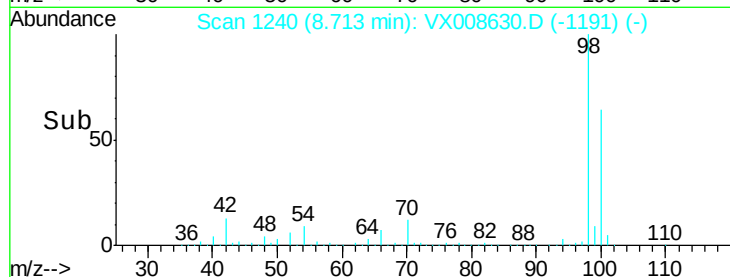
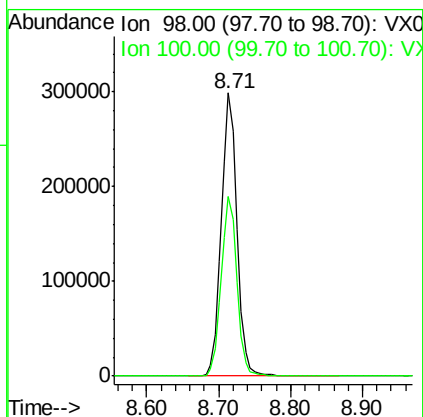
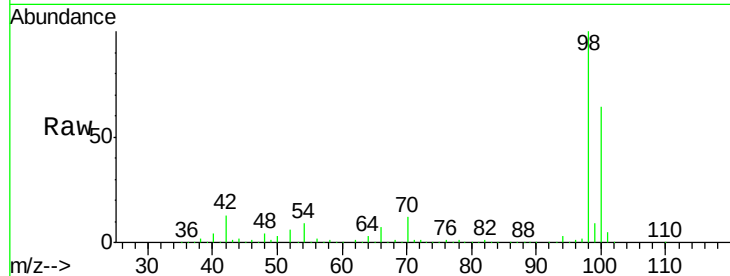




#50
Toluene-d8
Concen: 49.427 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

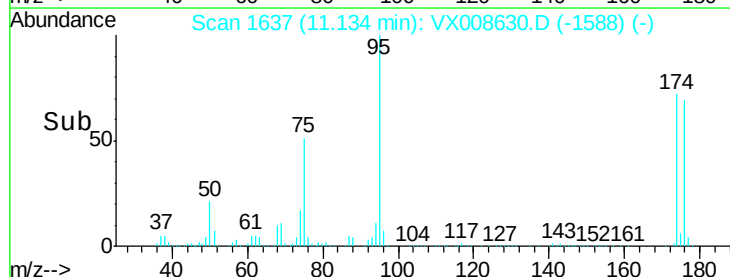
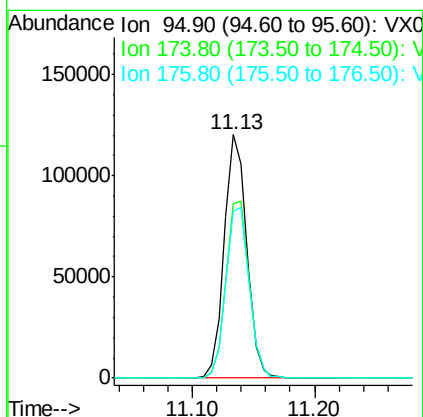
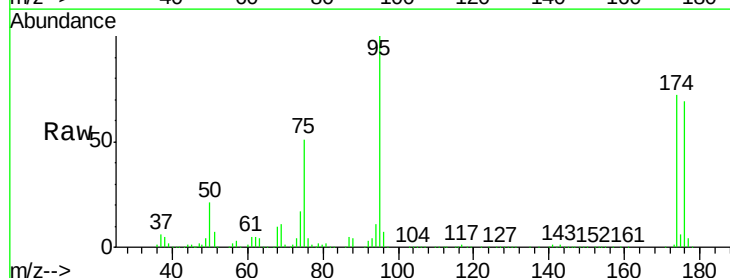
Instrument :
MSVOA_X
ClientSampleId :
FB-040219

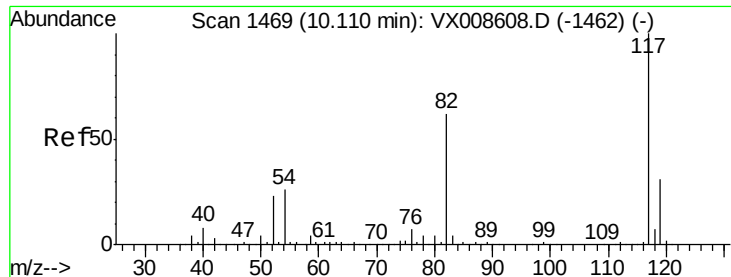
Tgt Ion: 98 Resp: 451850
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 47.169 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

Tgt Ion: 95 Resp: 152915
Ion Ratio Lower Upper
95 100
174 75.3 0.0 151.8
176 72.5 0.0 145.8

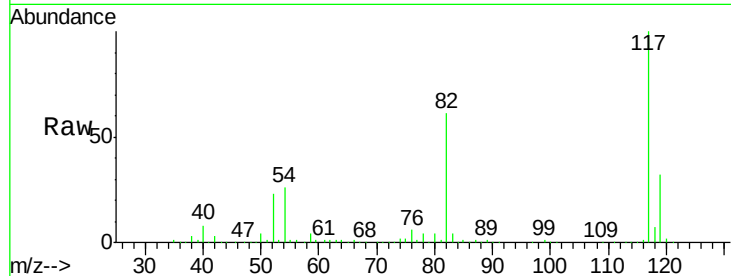




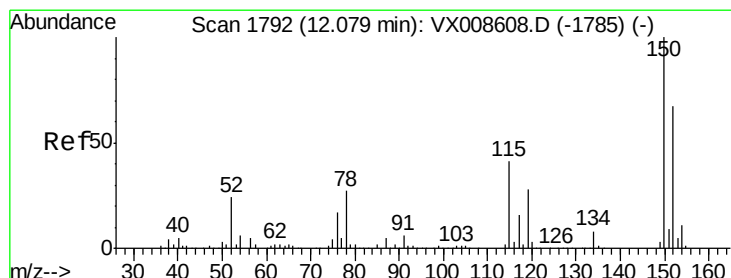
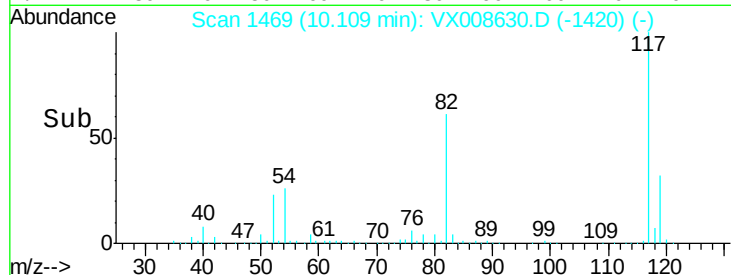
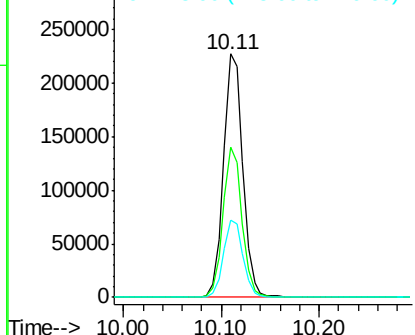
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

Instrument :
MSVOA_X
ClientSampled :
FB-040219

Tgt Ion:117 Resp: 312157
Ion Ratio Lower Upper
117 100
82 61.5 49.6 74.4
119 31.6 25.0 37.4

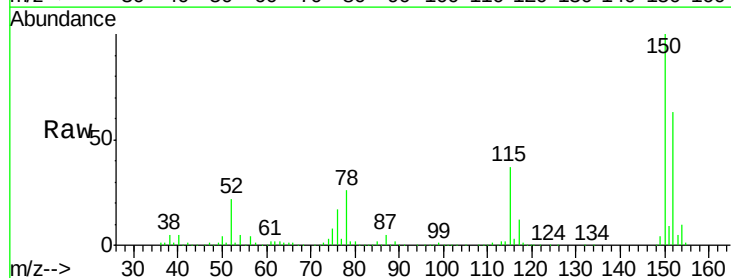


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

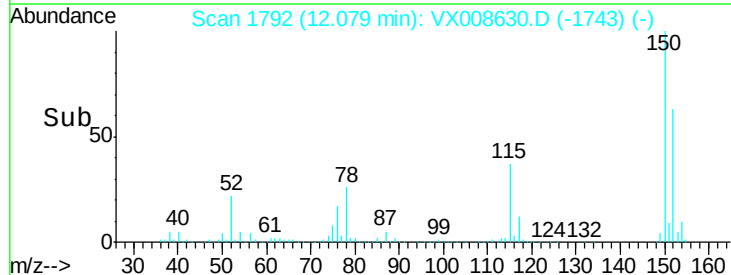
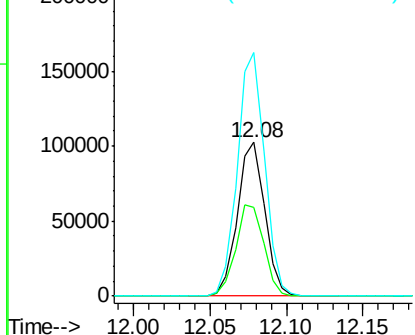


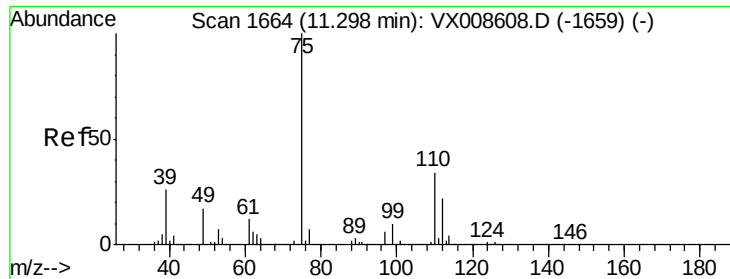
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008630.D
Acq: 04 Apr 2019 13:01

Tgt Ion:152 Resp: 127315
Ion Ratio Lower Upper
152 100
115 61.0 43.5 130.5
150 157.5 0.0 348.8



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

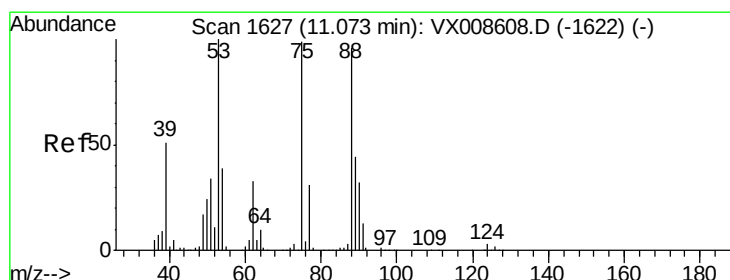
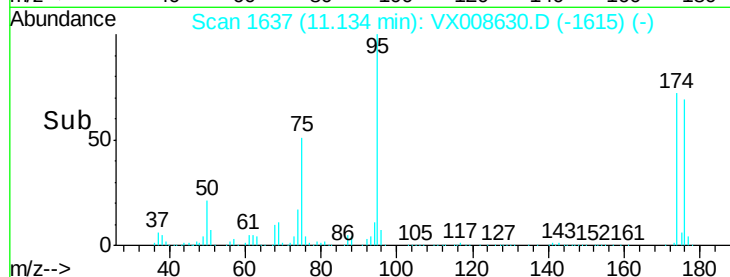
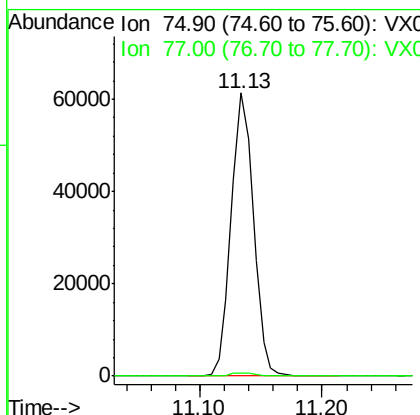
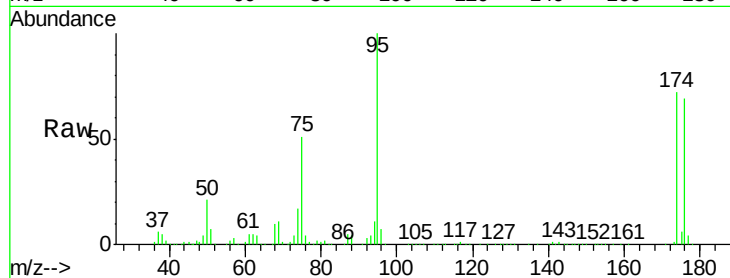




#76
 1,2,3-Trichloropropane
 Concen: 22.147 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008630.D
 Acq: 04 Apr 2019 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-040219

Tgt Ion: 75 Resp: 77457
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.048 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008630.D
 Acq: 04 Apr 2019 13:01

Tgt Ion: 75 Resp: 77457
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#

