

Data File : VX008809.D
Acq On : 10 Apr 2019 16:43
Operator : JC/SP
Sample : K2349-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW109-190409

Quant Time: Apr 11 05:45:02 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	203507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	331853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	287789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	135459	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	5.50	113	99855	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	8.71	98	415047	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.13	95	138351	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds

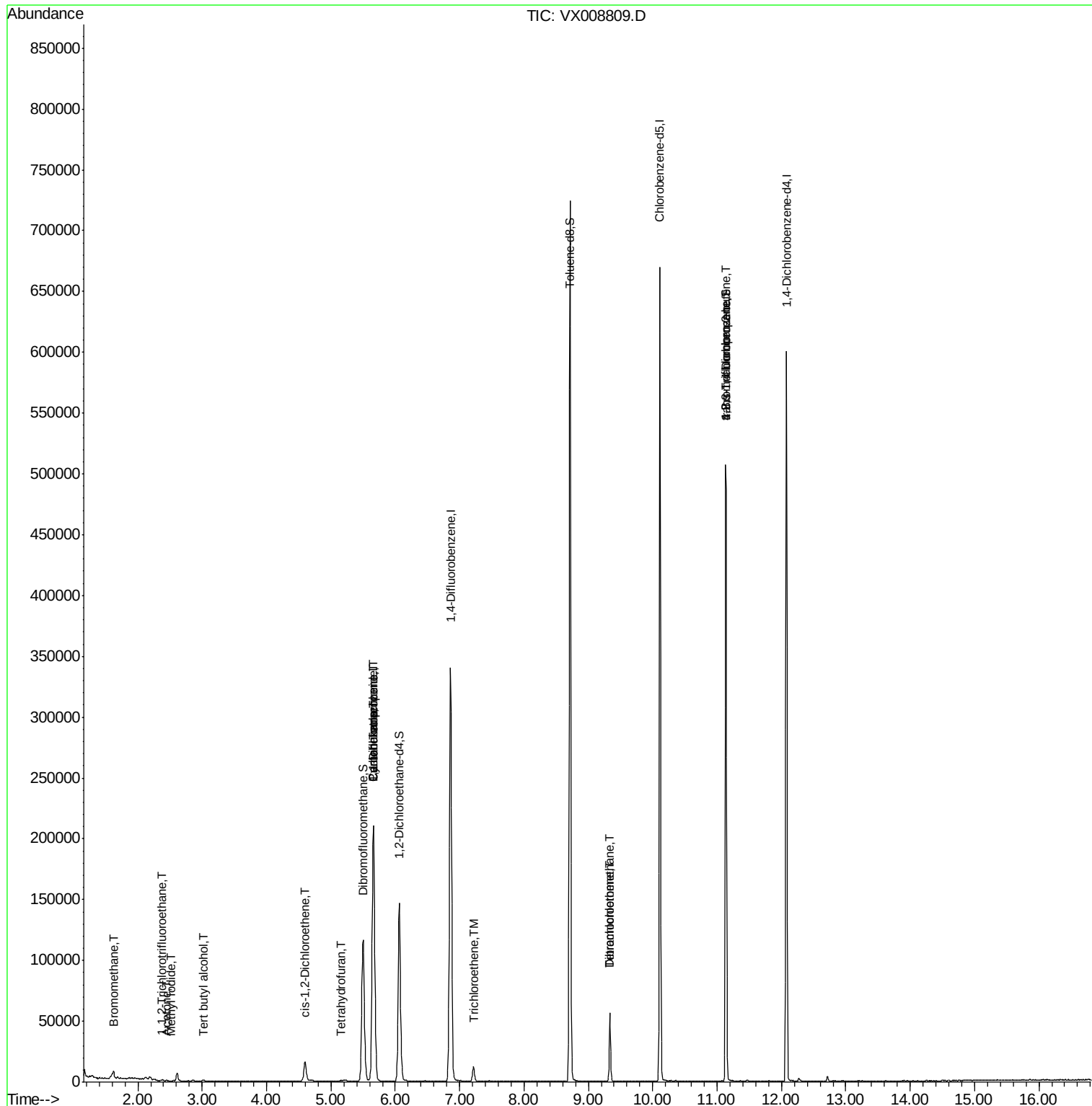
					Qvalue
3) Chloromethane	1.32	50	317	Below Cal	100
5) Bromomethane	1.63	94	316	2.080 ug/l #	45
6) Chloroethane	1.65	64	116	Below Cal #	39
9) 1,1,2-Trichlorotrifluoroet	2.38	101	456	0.202 ug/l	95
10) Methyl Iodide	2.52	142	51	4.026 ug/l #	42
11) Tert butyl alcohol	3.02	59	647	0.931 ug/l #	72
16) Acetone	2.45	43	912	0.533 ug/l	96
17) Carbon Disulfide	2.57	76	513	Below Cal #	75
27) cis-1,2-Dichloroethene	4.59	96	9649	3.298 ug/l	89
28) Bromochloromethane	5.03	49	20	Below Cal #	22
29) Tetrahydrofuran	5.15	42	619	0.345 ug/l #	41
31) Cyclohexane	5.66	56	4688	0.914 ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16321	4.499 ug/l #	50
38) Carbon Tetrachloride	5.66	117	19433	6.473 ug/l #	16
44) Trichloroethene	7.21	130	4278	1.700 ug/l	94
60) Dibromochloromethane	9.33	129	9976	4.140 ug/l #	11
64) Tetrachloroethene	9.33	164	11178	5.242 ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	70064	21.136 ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	70064	58.263 ug/l #	9

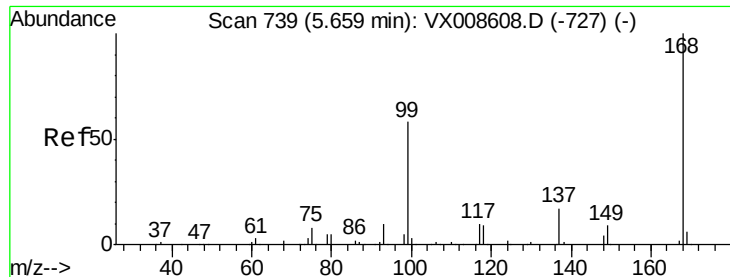
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

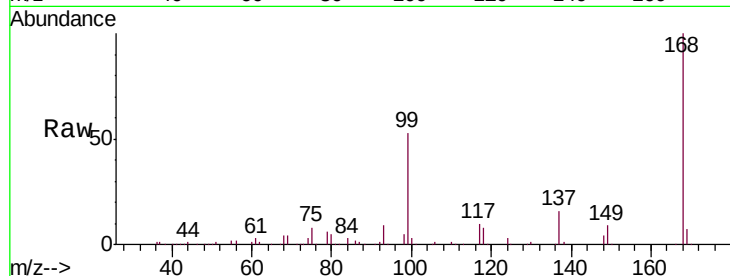
SS037MW109-190409

Tgt Ion:168 Resp: 203507

Ion Ratio Lower Upper

168 100

99 53.4 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

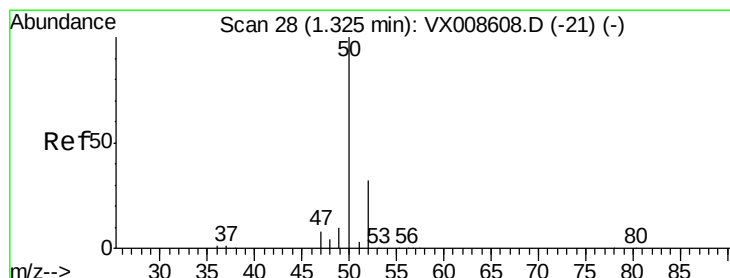
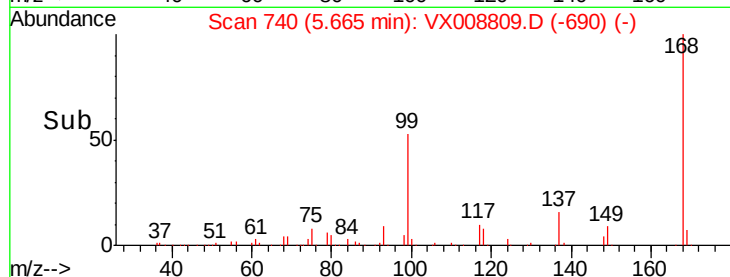
60000

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: VX008809.D

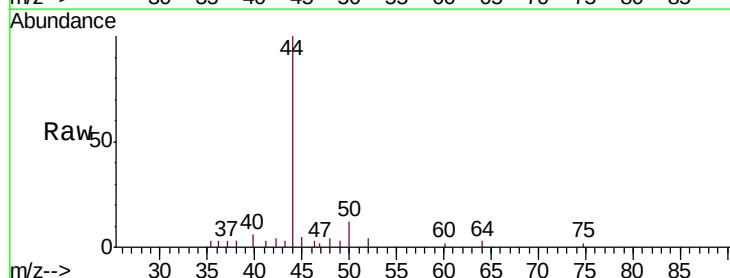
Acq: 10 Apr 2019 16:43

Tgt Ion: 50 Resp: 317

Ion Ratio Lower Upper

50 100

52 32.0 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

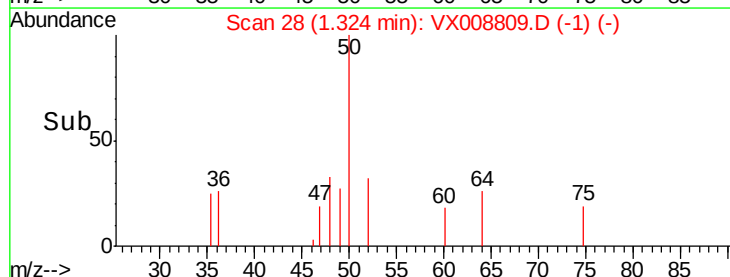
300

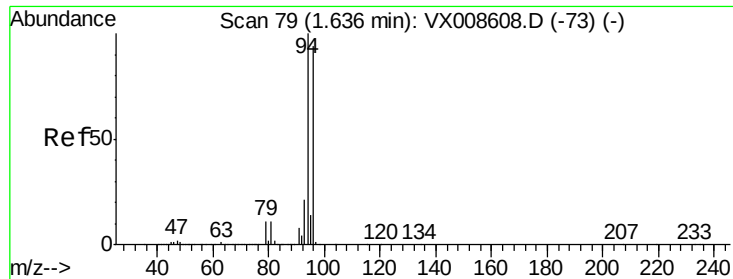
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 2.080 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

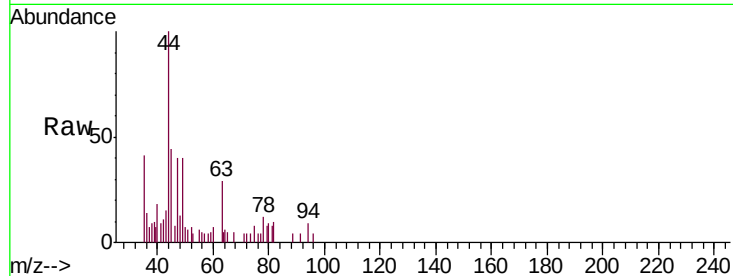
SS037MW109-190409

Tgt Ion: 94 Resp: 316

Ion Ratio Lower Upper

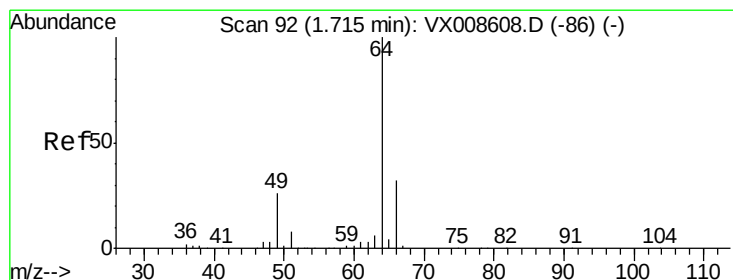
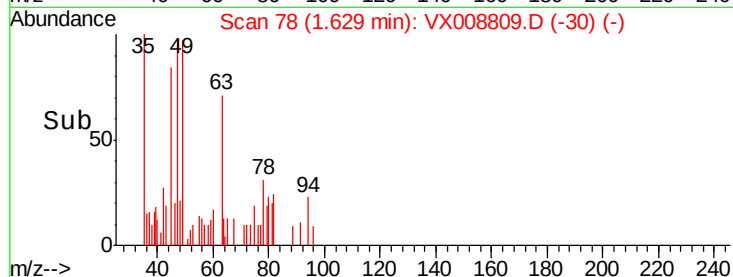
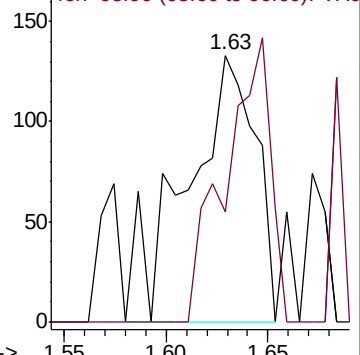
94 100

96 41.4 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. -0.07 min

Lab File: VX008809.D

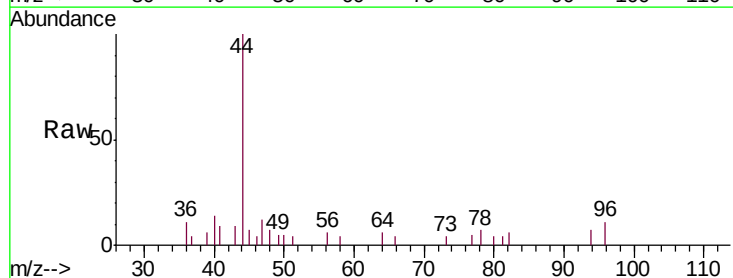
Acq: 10 Apr 2019 16:43

Tgt Ion: 64 Resp: 116

Ion Ratio Lower Upper

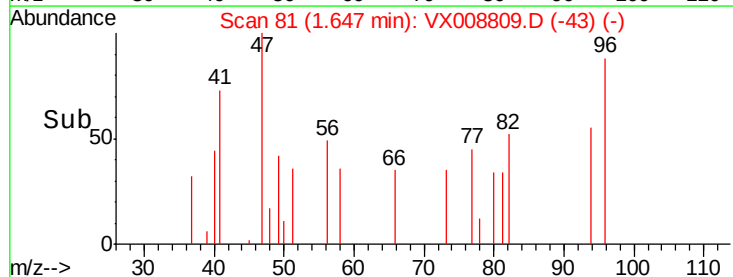
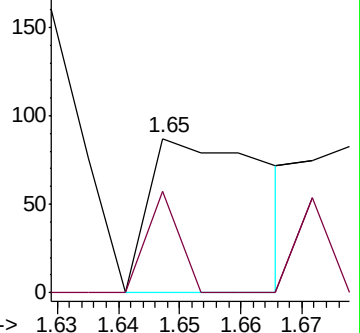
64 100

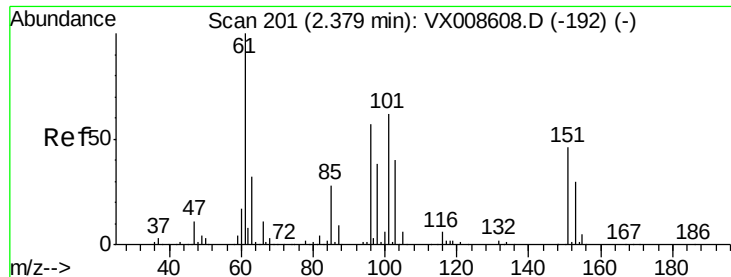
66 65.5 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.202 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

SS037MW109-190409

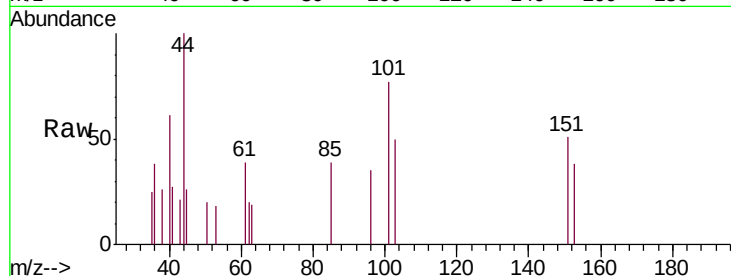
Tgt Ion:101 Resp: 456

Ion Ratio Lower Upper

101 100

85 48.2 36.0 54.0

151 78.7 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.38

200

150

100

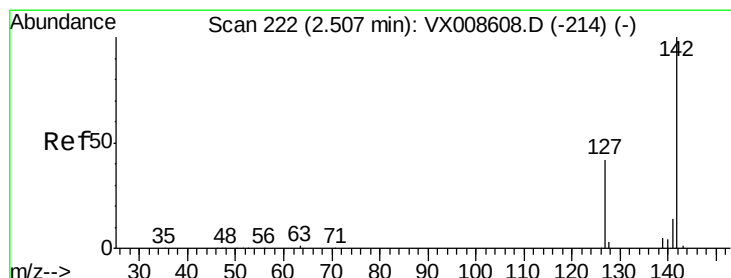
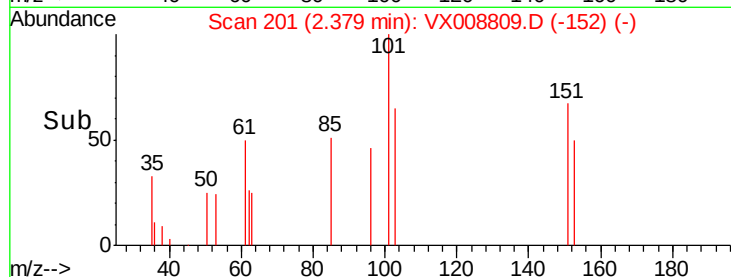
50

0

2.35

2.40

Time-->



#10

Methyl Iodide

Concen: 4.026 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

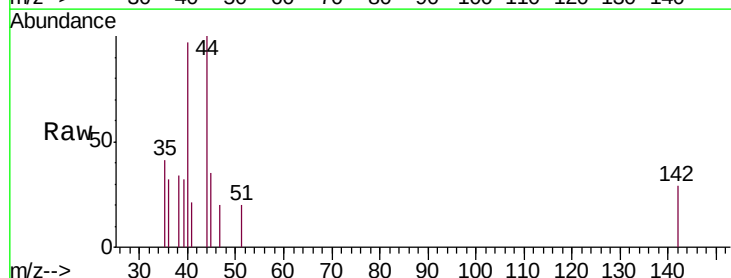
Tgt Ion:142 Resp: 51

Ion Ratio Lower Upper

142 100

127 0.0 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

2.52

100

80

60

40

20

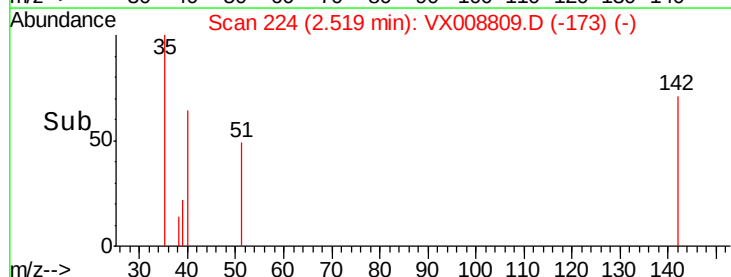
0

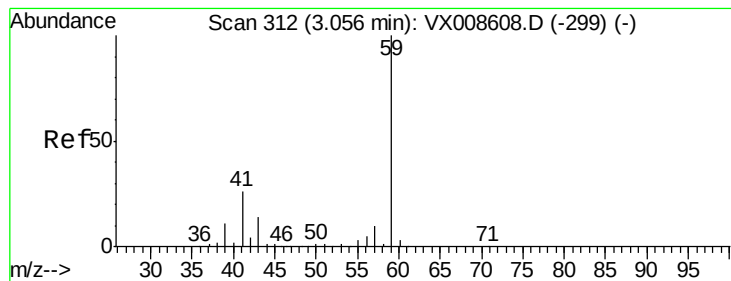
2.50

2.52

2.54

Time-->



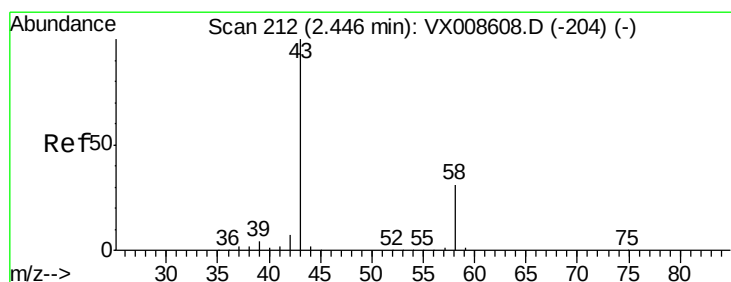
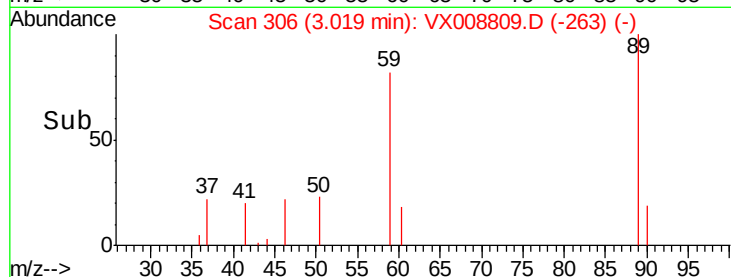
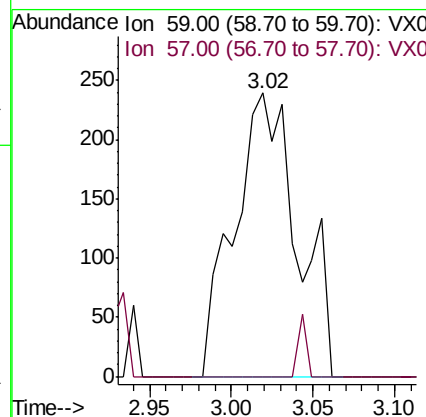
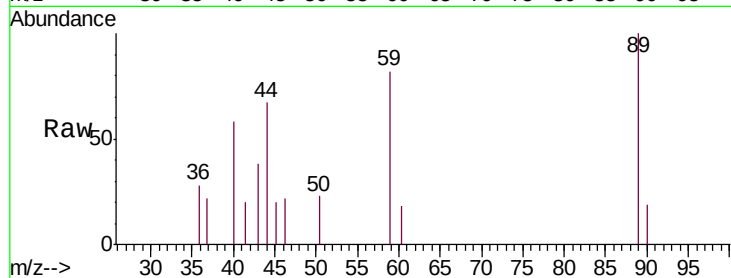


#11

Tert butyl alcohol
 Concen: 0.931 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.04 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW109-190409

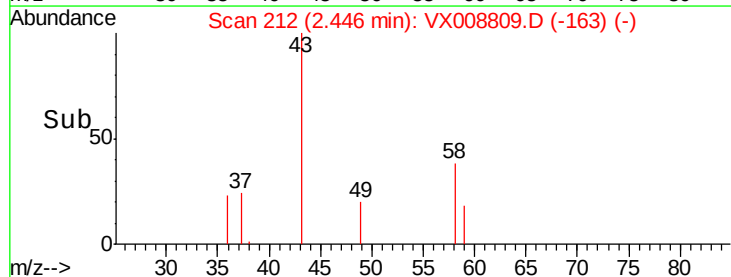
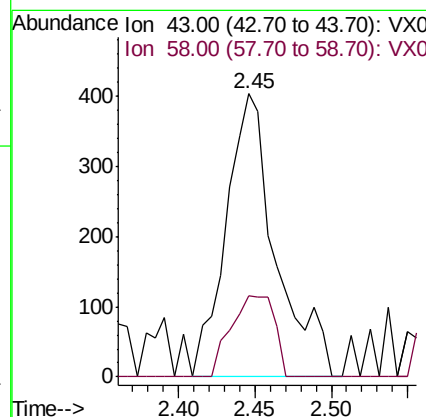
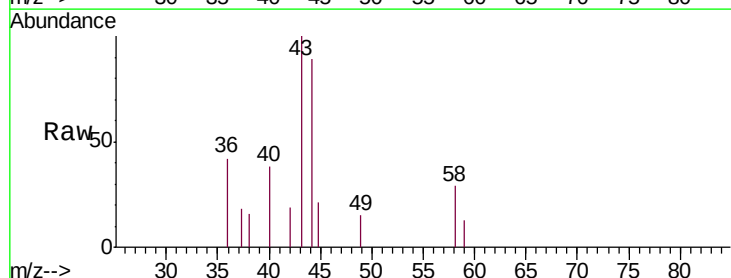
Tgt Ion: 59 Resp: 647
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

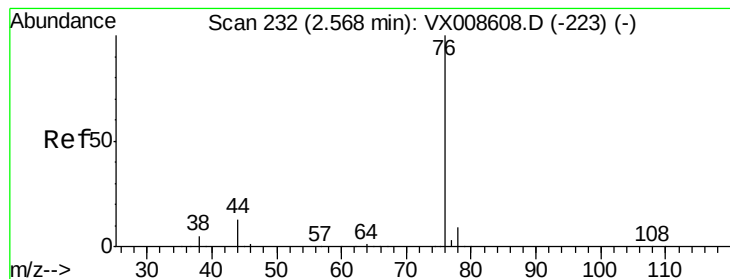


#16

Acetone
 Concen: 0.533 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Tgt Ion: 43 Resp: 912
 Ion Ratio Lower Upper
 43 100
 58 28.5 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

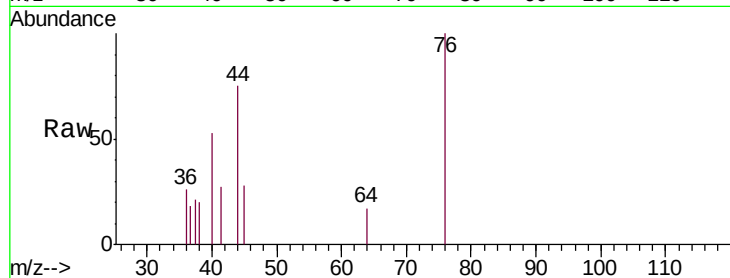
SS037MW109-190409

Tgt Ion: 76 Resp: 513

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

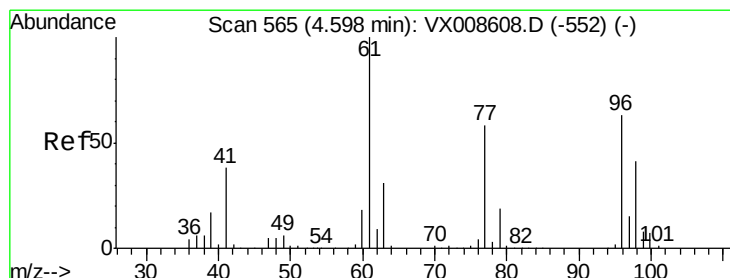
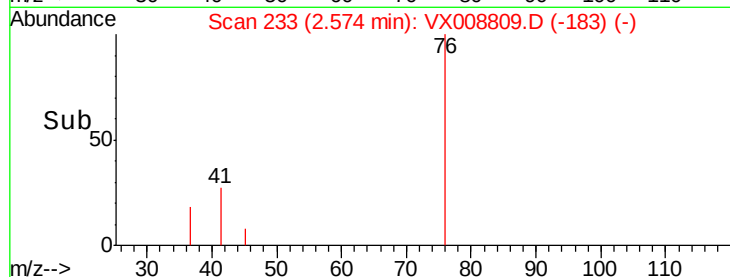
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 3.298 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

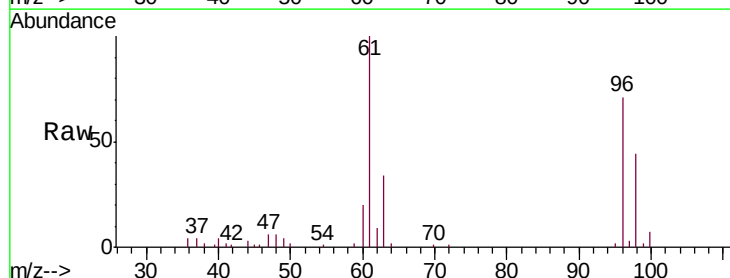
Tgt Ion: 96 Resp: 9649

Ion Ratio Lower Upper

96 100

61 143.6 0.0 327.6

98 63.6 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

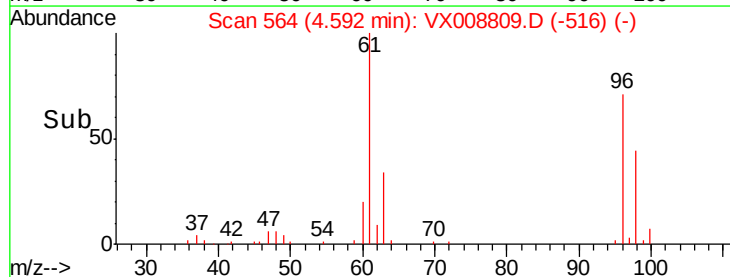
6000

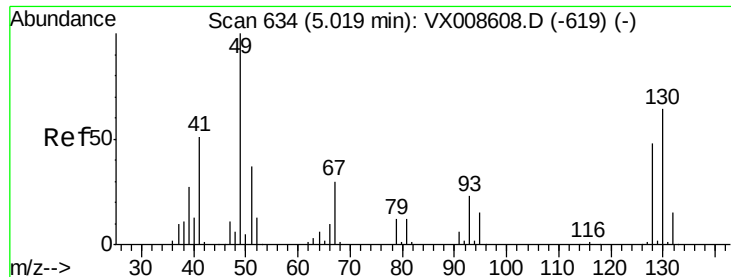
4000

2000

0

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

SS037MW109-190409

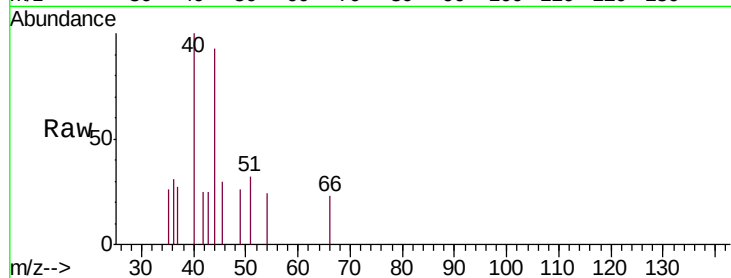
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

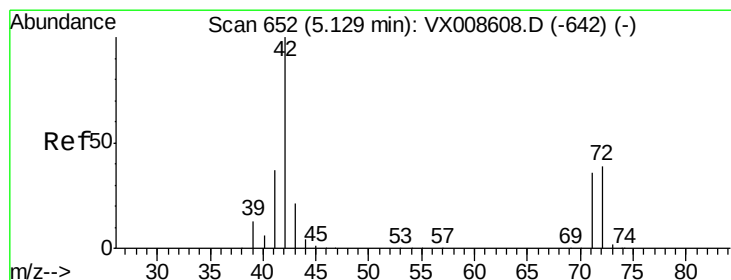
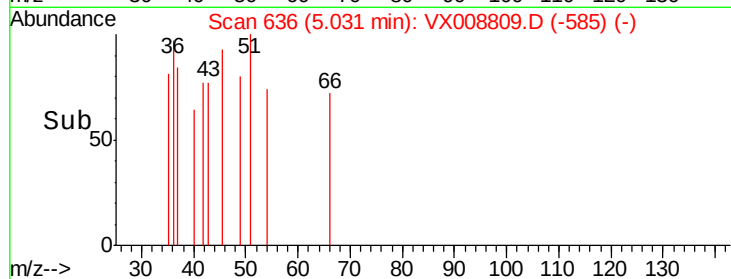
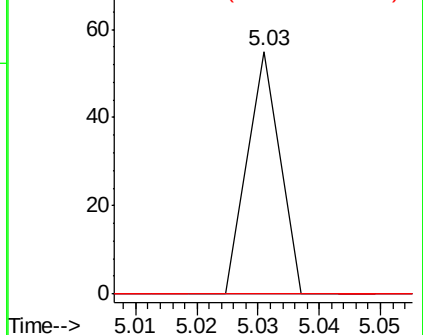
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.345 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

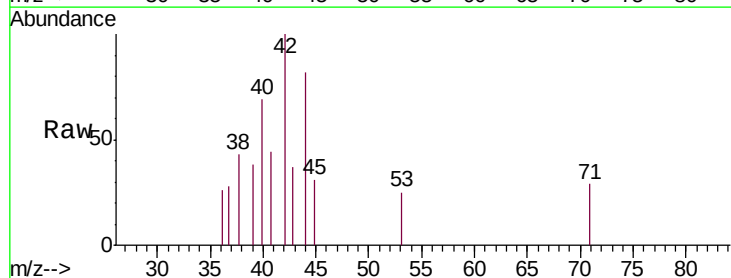
Tgt Ion: 42 Resp: 619

Ion Ratio Lower Upper

42 100

72 3.6 30.5 45.7#

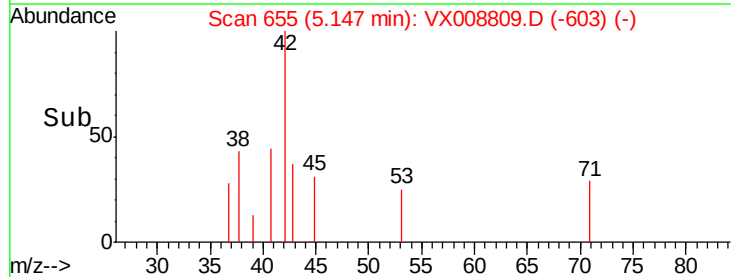
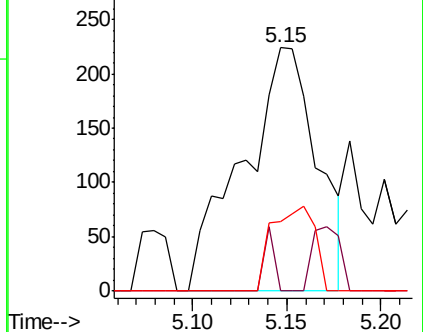
71 0.0 28.6 43.0#

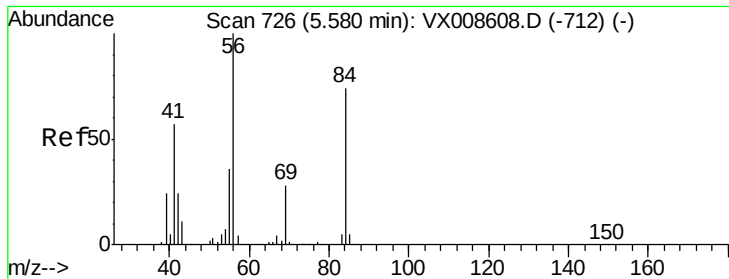


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

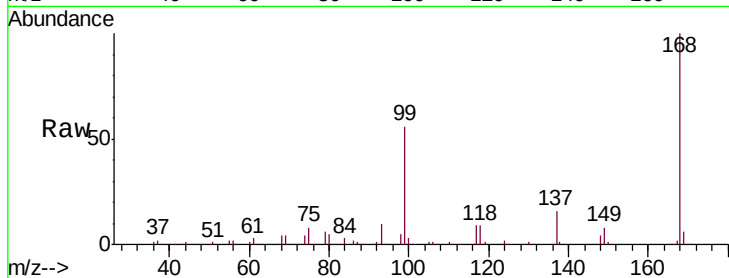




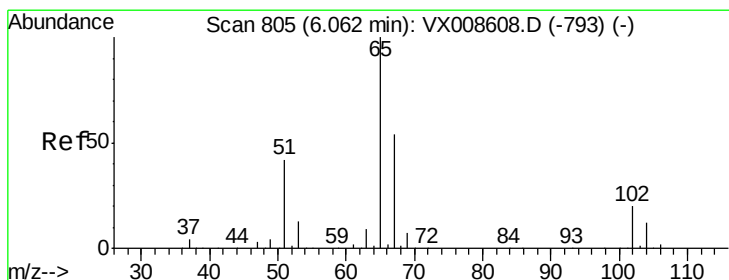
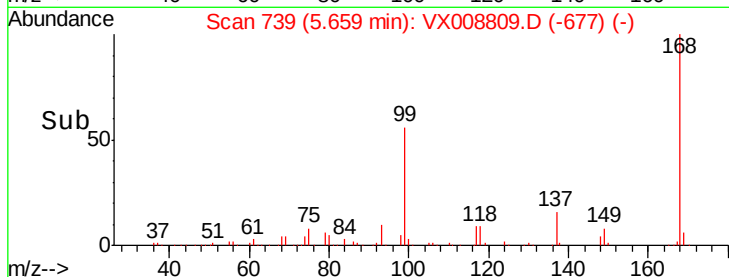
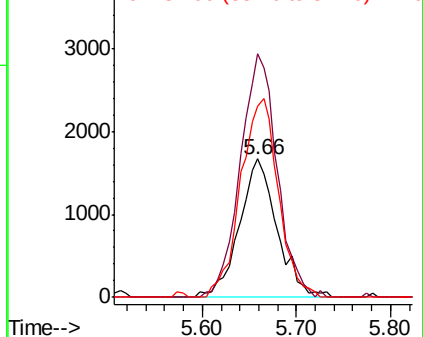
#31
Cyclohexane
Concen: 0.914 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008809.D
Acq: 10 Apr 2019 16:43

Instrument :
MSVOA_X
ClientSampleId :
SS037MW109-190409

Tgt Ion: 56 Resp: 4688
Ion Ratio Lower Upper
56 100
69 175.7 22.6 33.8#
84 138.2 59.3 88.9#

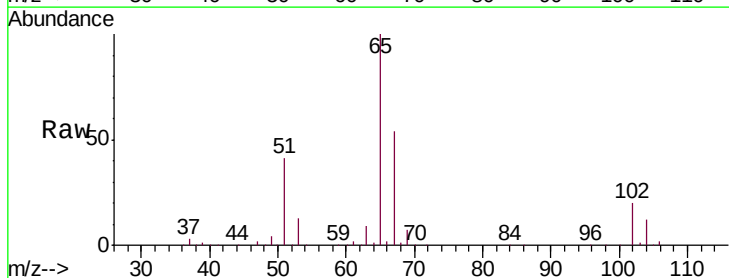


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

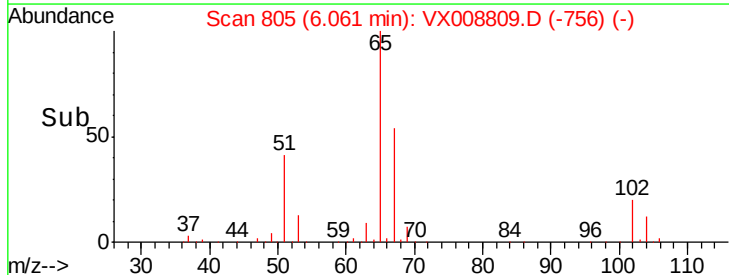
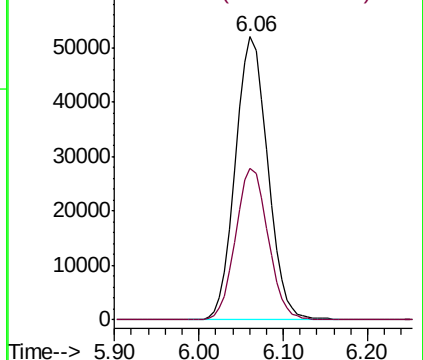


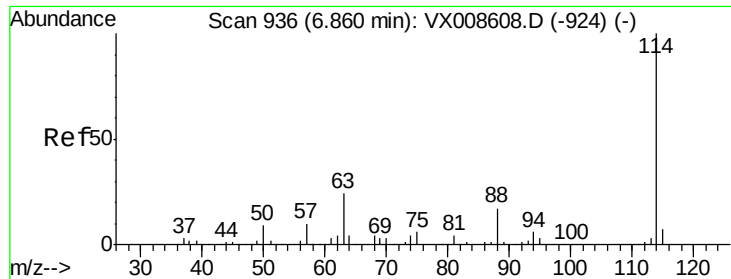
#33
1,2-Dichloroethane-d4
Concen: 45.636 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008809.D
Acq: 10 Apr 2019 16:43

Tgt Ion: 65 Resp: 135459
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.2



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

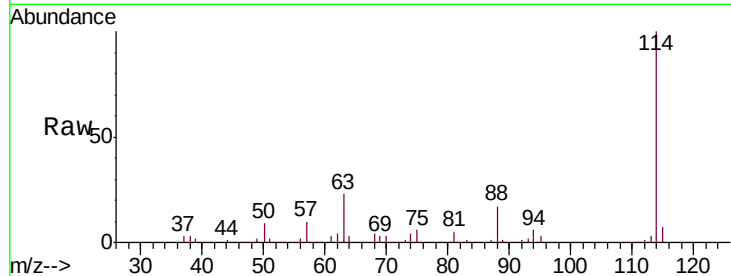




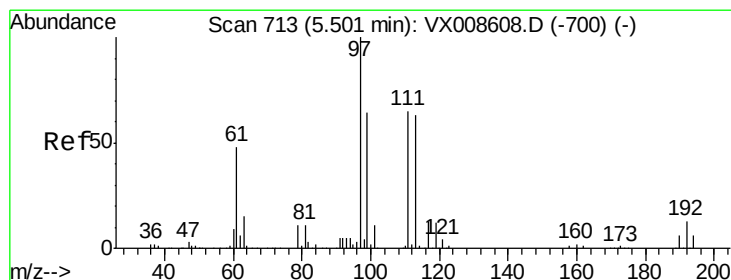
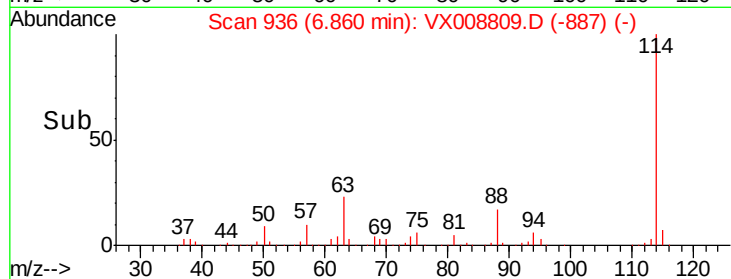
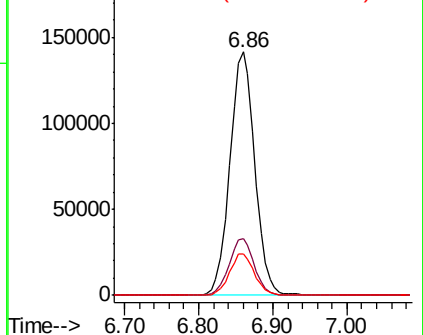
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW109-190409

Tgt Ion:114 Resp: 331853
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 17.0 0.0 34.0

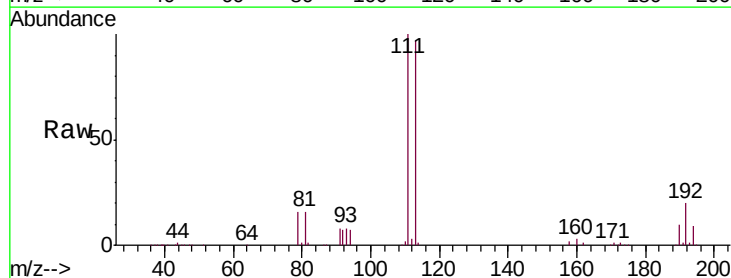


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

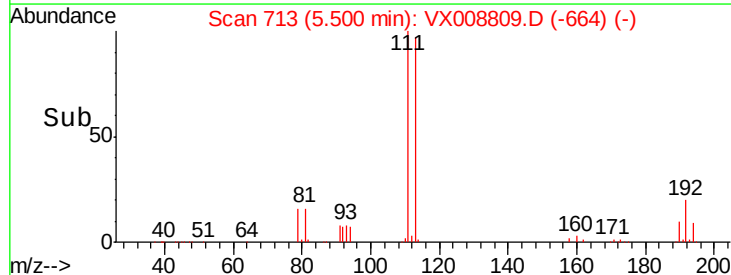
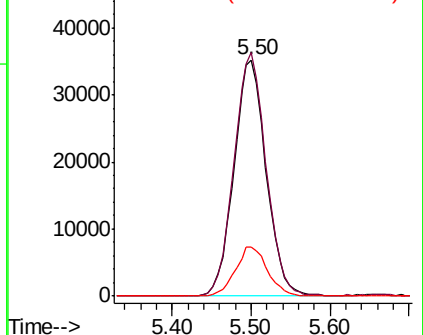


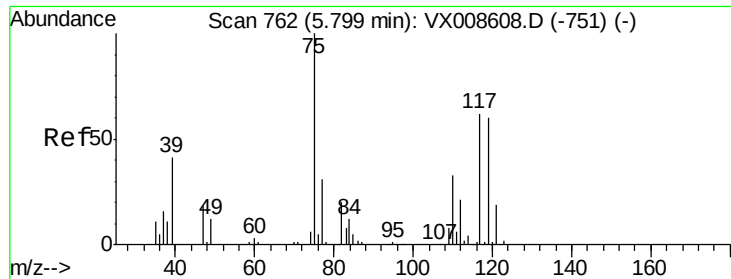
#35
 Dibromofluoromethane
 Concen: 47.063 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Tgt Ion:113 Resp: 99855
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.2
 192 21.0 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

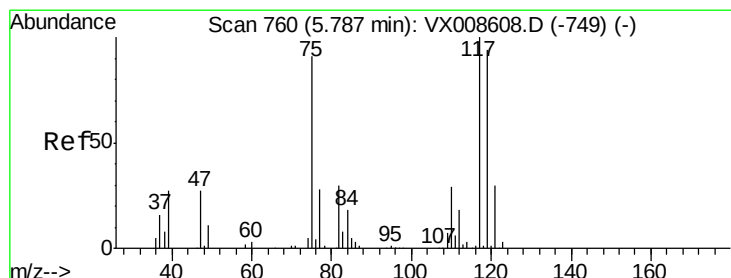
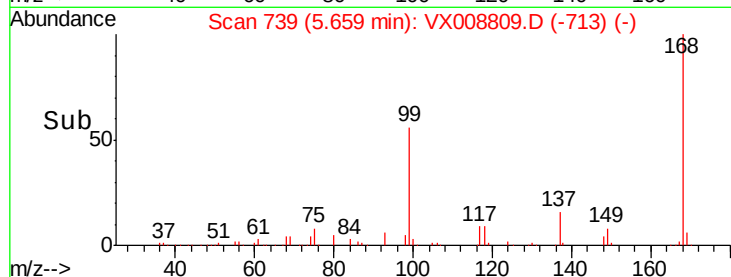
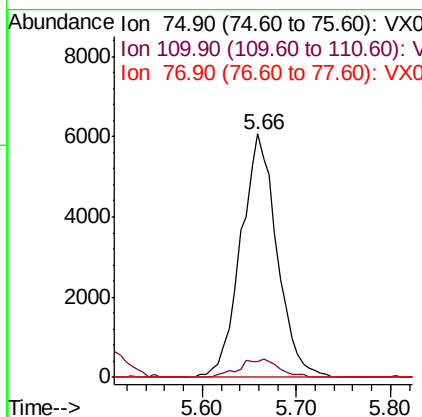
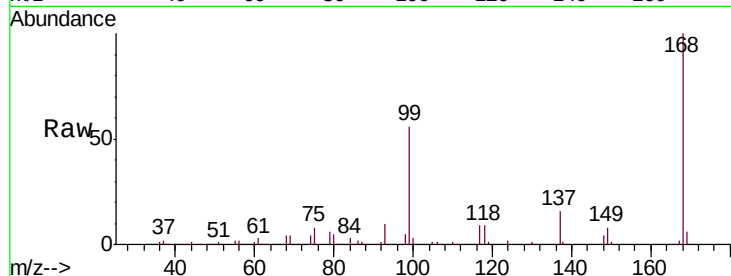




#36
 1,1-Dichloropropene
 Concen: 4.499 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

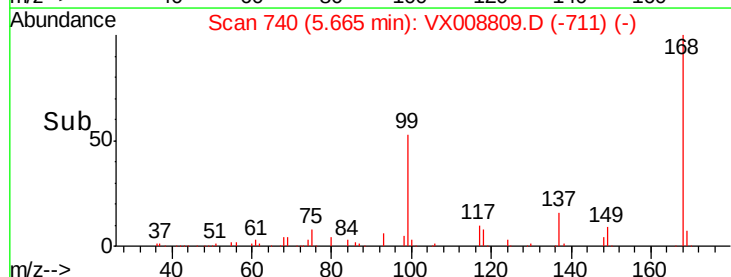
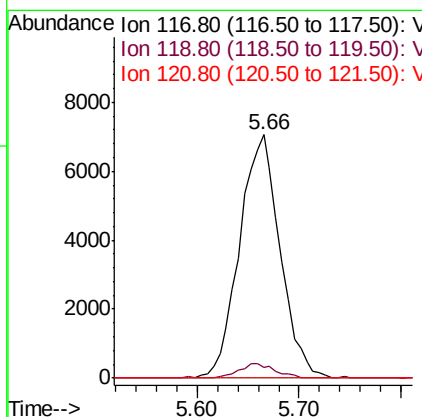
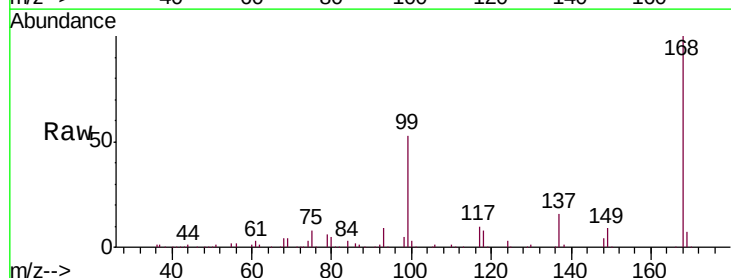
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW109-190409

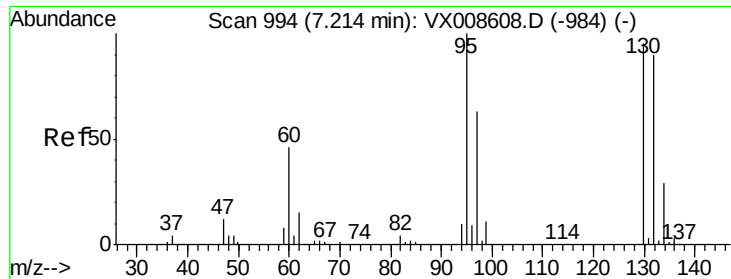
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.4	49.2#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.473 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.0	112.6#
121	0.0	24.3	36.5#

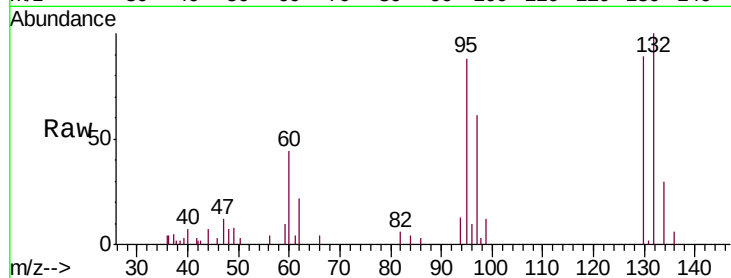




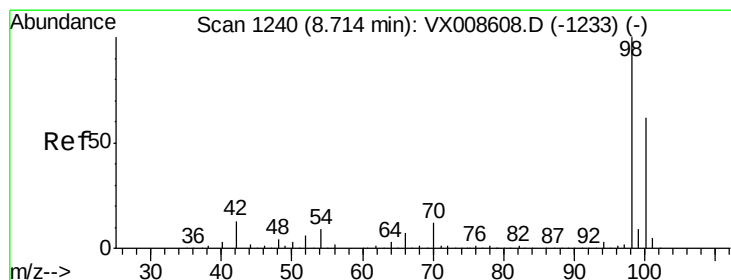
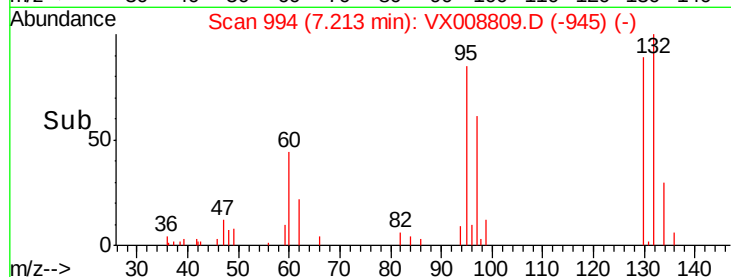
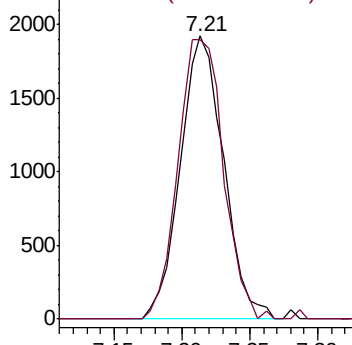
#44
 Trichloroethene
 Concen: 1.700 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW109-190409

Tgt Ion:130 Resp: 4278
 Ion Ratio Lower Upper
 130 100
 95 98.6 0.0 209.8

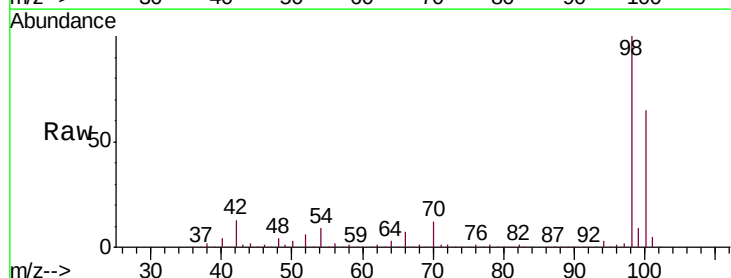


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

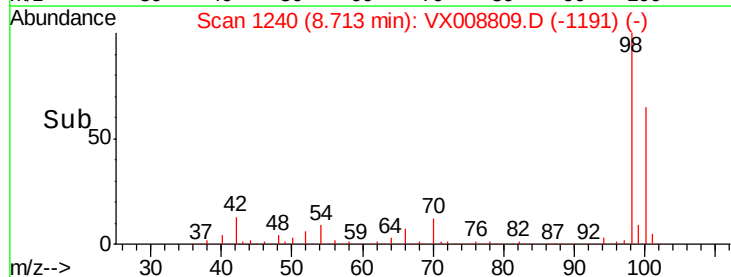
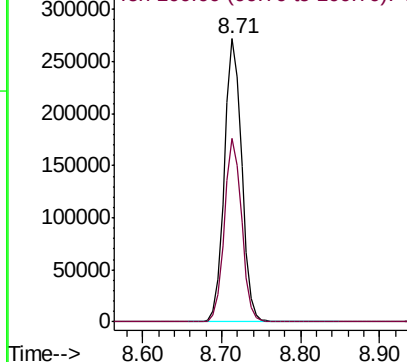


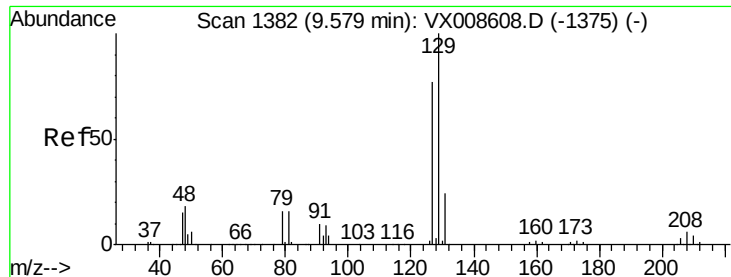
#50
 Toluene-d8
 Concen: 49.128 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Tgt Ion: 98 Resp: 415047
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

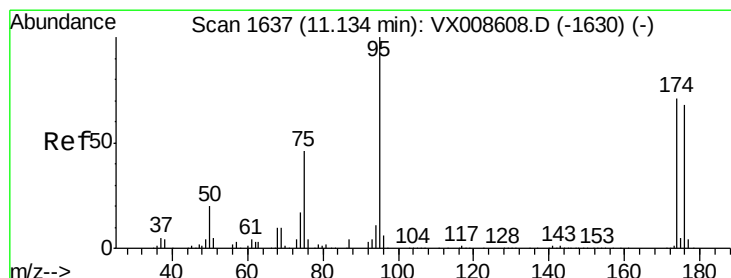
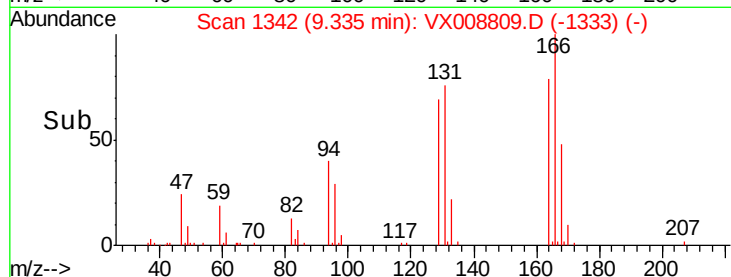
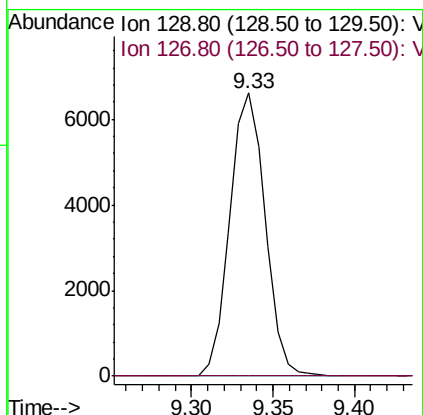
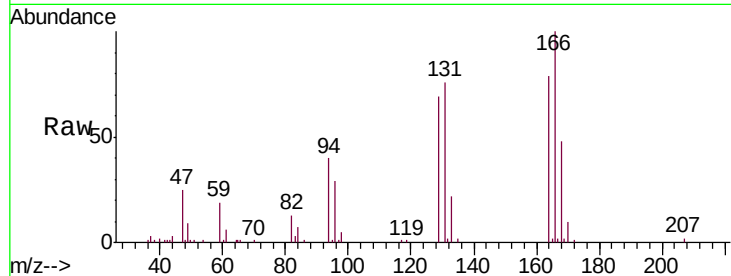




#60
 Dibromochloromethane
 Concen: 4.140 ug/l
 RT: 9.33 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

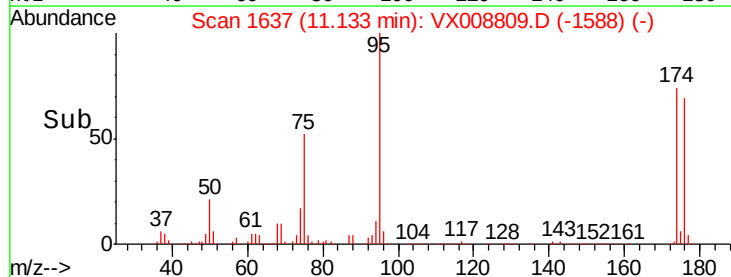
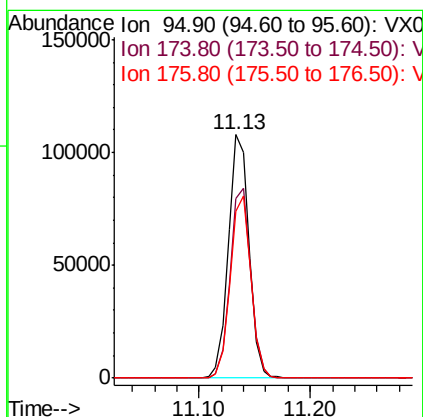
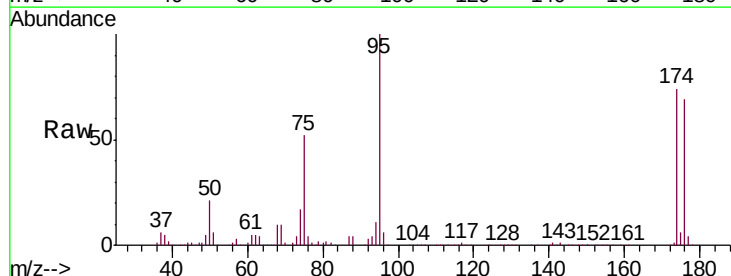
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW109-190409

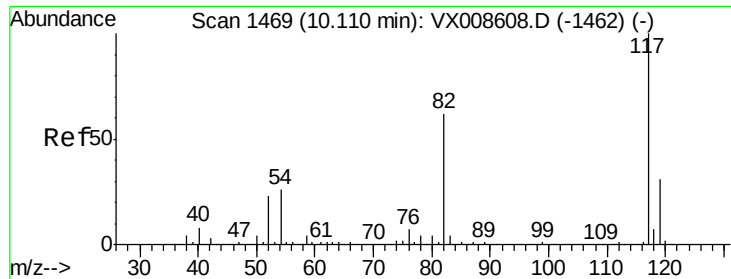
Tgt Ion: 129 Resp: 9976
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#



#62
 4-Bromofluorobenzene
 Concen: 46.181 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Tgt Ion: 95 Resp: 138351
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 151.8
 176 75.1 0.0 145.8

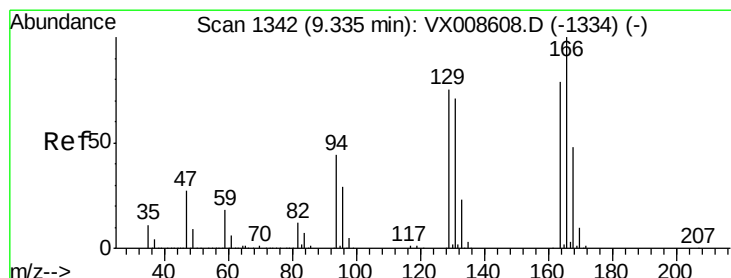
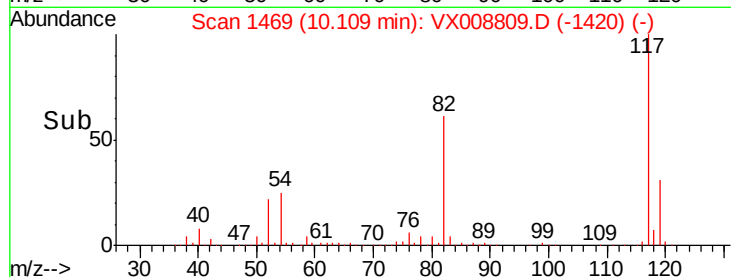
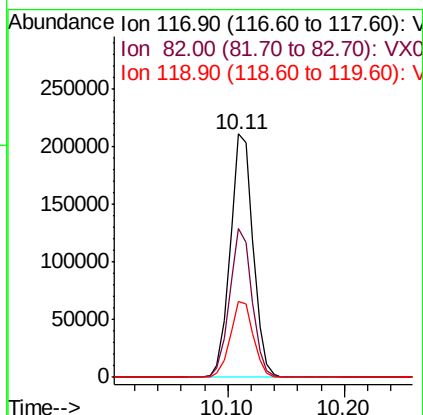
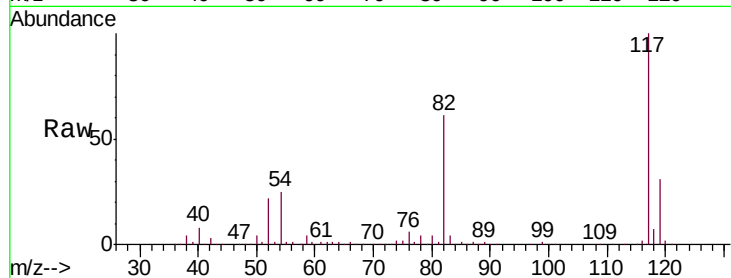




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008809.D
Acq: 10 Apr 2019 16:43

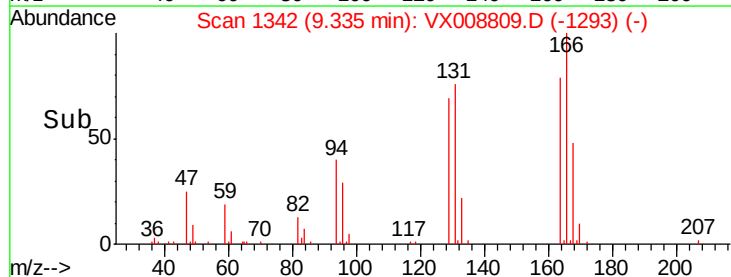
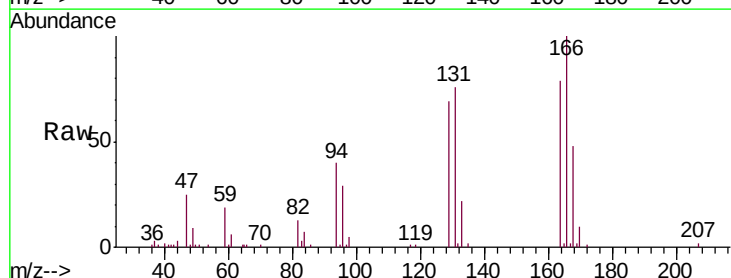
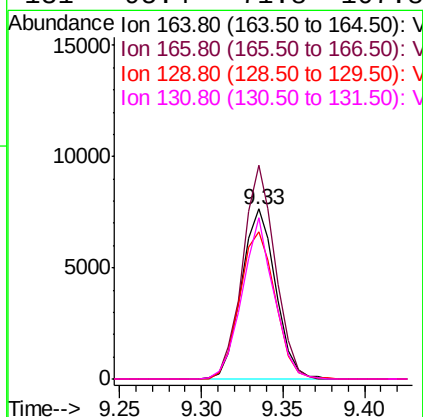
Instrument :
MSVOA_X
ClientSampleId :
SS037MW109-190409

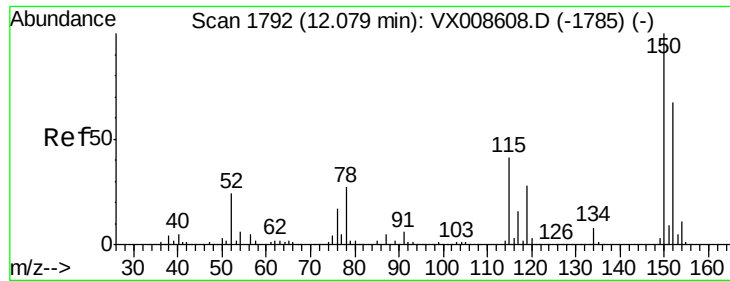
Tgt Ion:117 Resp: 287789
Ion Ratio Lower Upper
117 100
82 61.4 49.6 74.4
119 31.4 25.0 37.4



#64
Tetrachloroethene
Concen: 5.242 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008809.D
Acq: 10 Apr 2019 16:43

Tgt Ion:164 Resp: 11178
Ion Ratio Lower Upper
164 100
166 125.8 101.0 151.6
129 86.6 75.8 113.8
131 95.4 71.8 107.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008809.D

Acq: 10 Apr 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

SS037MW109-190409

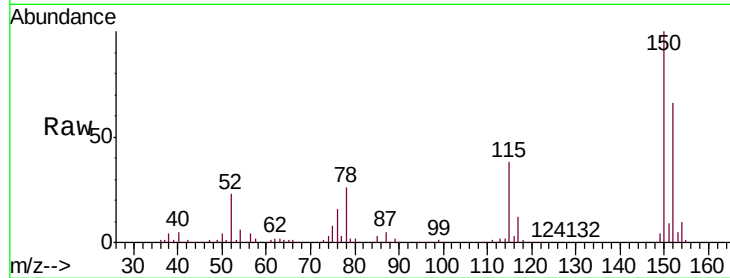
Tgt Ion:152 Resp: 120669

Ion Ratio Lower Upper

152 100

115 59.7 43.5 130.5

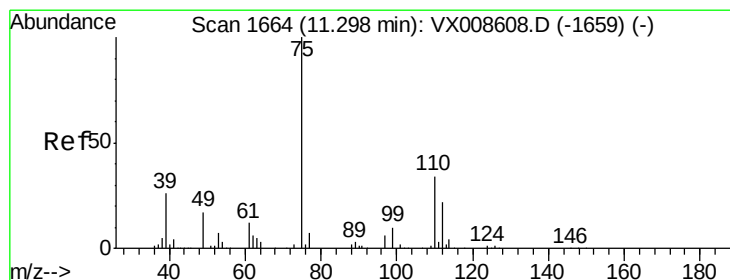
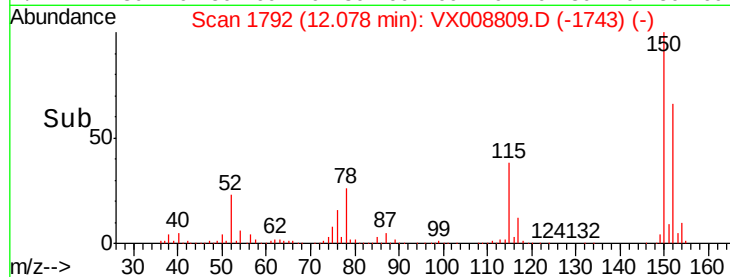
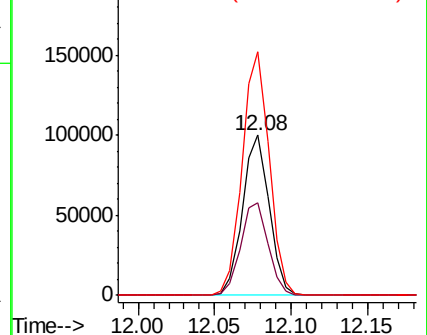
150 154.5 0.0 348.8



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: 21.136 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.17 min

Lab File: VX008809.D

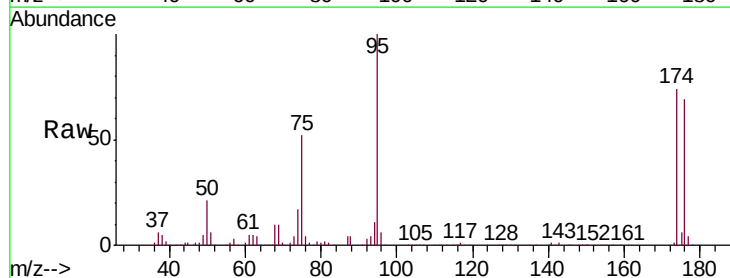
Acq: 10 Apr 2019 16:43

Tgt Ion: 75 Resp: 70064

Ion Ratio Lower Upper

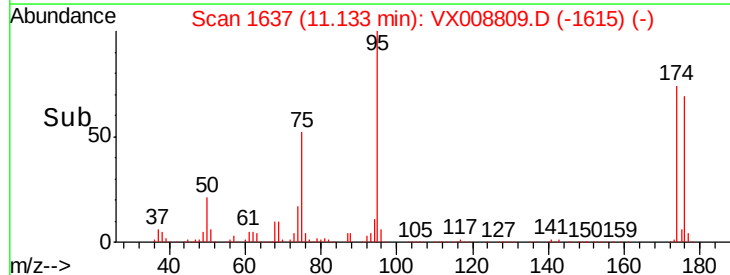
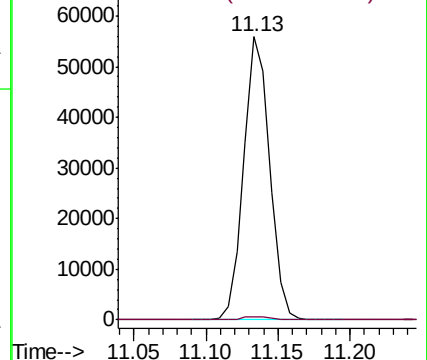
75 100

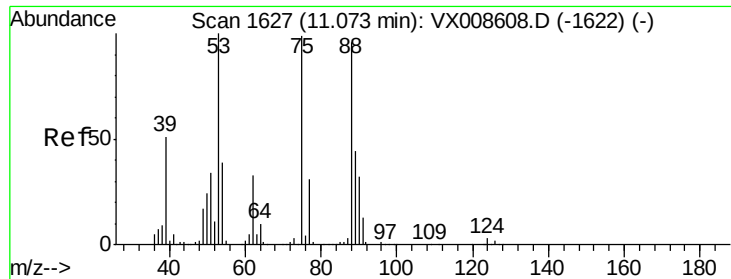
77 1.3 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

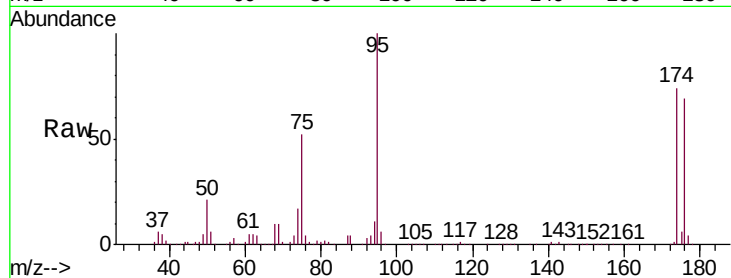




#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.263 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008809.D
 Acq: 10 Apr 2019 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW109-190409

Tgt Ion: 75 Resp: 70064
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#



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

