

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011500.D
 Acq On : 12 Aug 2019 22:29
 Operator : JC/SP
 Sample : VX0812WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBL02

Quant Time: Aug 13 07:44:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112867	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	103164	54.90	ug/l	0.00
Spiked Amount			Recovery	=	109.80%	
35) Dibromofluoromethane	5.49	113	87120	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.71	98	326984	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.13	95	106692	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	

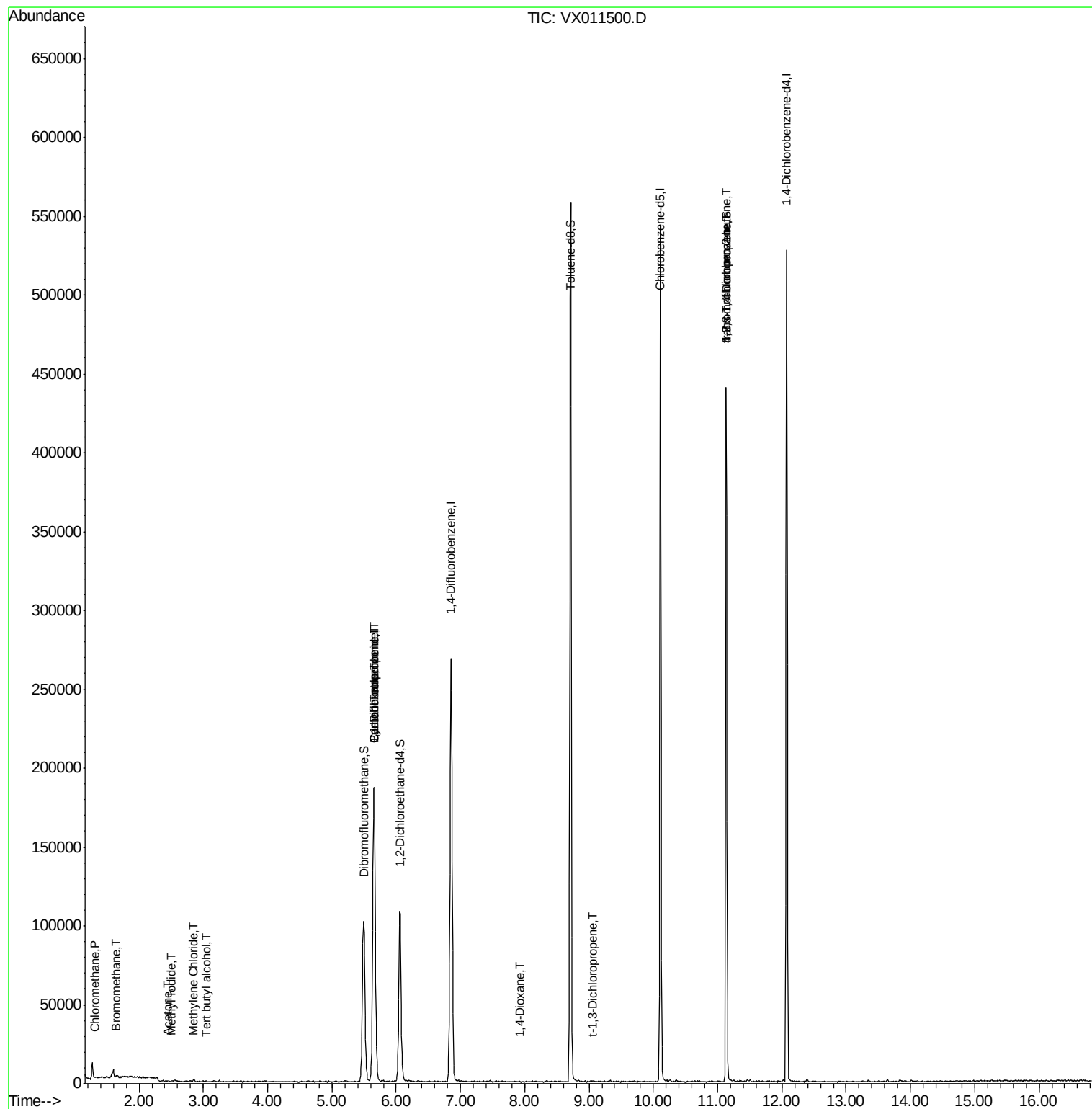
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	398	0.246	ug/l #	42
5) Bromomethane	1.64	94	849	0.669	ug/l	87
6) Chloroethane	1.70	64	123	Below Cal	#	43
10) Methyl Iodide	2.51	142	652	0.302	ug/l #	85
11) Tert butyl alcohol	3.04	59	75	0.223	ug/l #	72
16) Acetone	2.44	43	454	0.508	ug/l #	77
20) Methylene Chloride	2.85	84	392	0.200	ug/l #	74
31) Cyclohexane	5.65	56	3830	1.583	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	12368	5.037	ug/l #	47
38) Carbon Tetrachloride	5.66	117	17678	7.156	ug/l #	15
49) 1,4-Dioxane	7.92	88	20	0.372	ug/l #	1
53) t-1,3-Dichloropropene	9.06	75	76	2.865	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	55014	26.765	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	55014	69.526	ug/l #	10

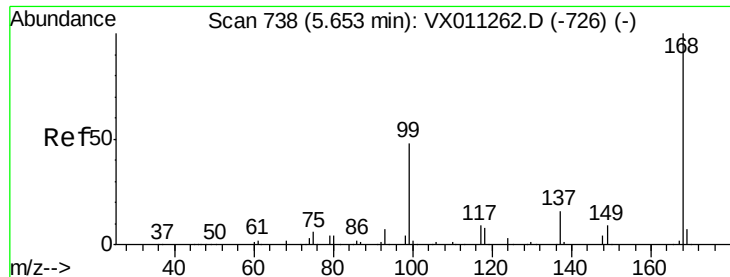
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011500.D

Acq: 12 Aug 2019 22:29

Instrument :

MSVOA_X

ClientSampleId :

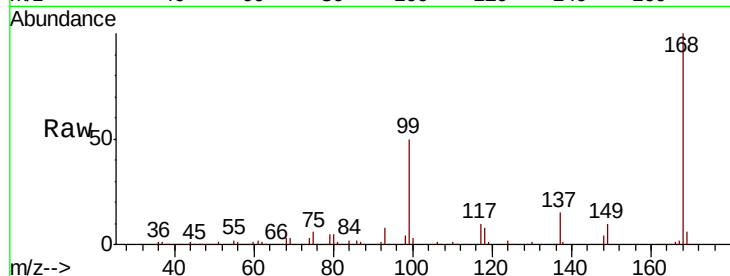
VX0812WBL02

Tgt Ion:168 Resp: 186582

Ion Ratio Lower Upper

168 100

99 50.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

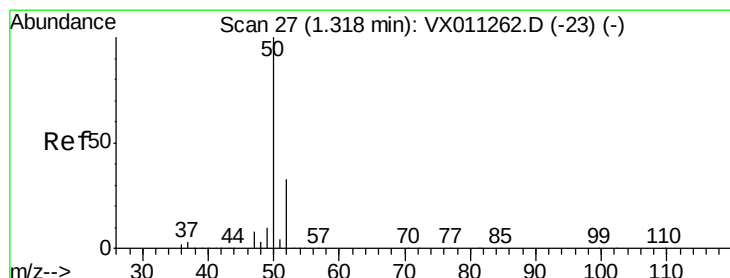
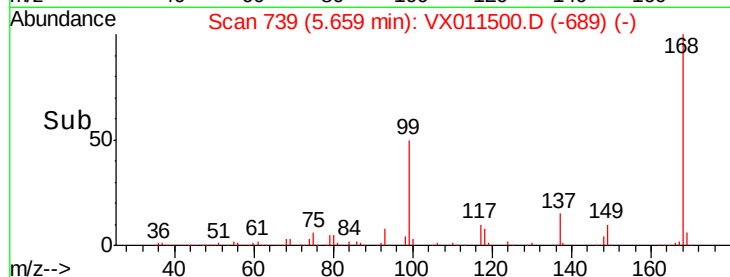
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.246 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011500.D

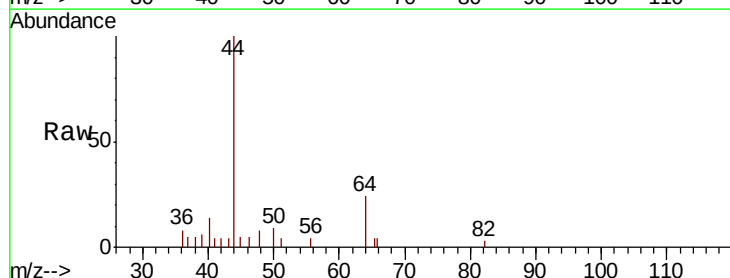
Acq: 12 Aug 2019 22:29

Tgt Ion: 50 Resp: 398

Ion Ratio Lower Upper

50 100

52 0.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

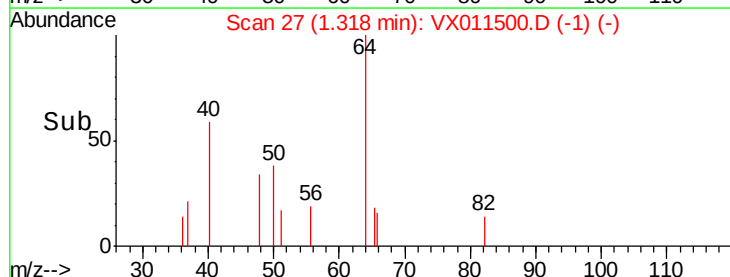
150

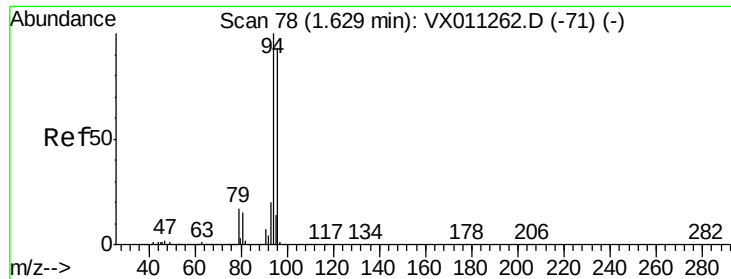
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.669 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011500.D

Acq: 12 Aug 2019 22:29

Instrument :

MSVOA_X

ClientSampleId :

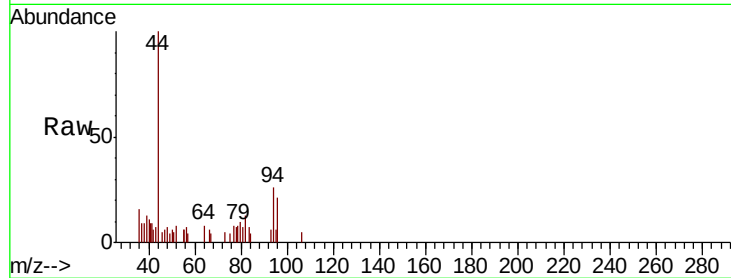
VX0812WBL02

Tgt Ion: 94 Resp: 849

Ion Ratio Lower Upper

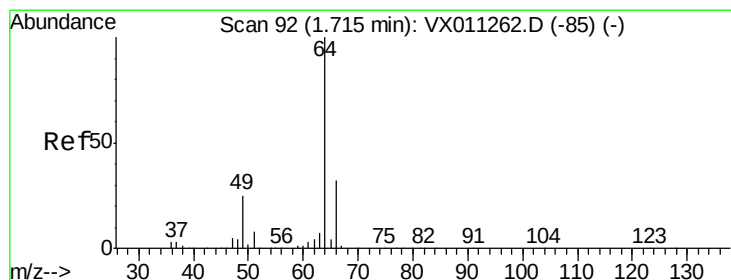
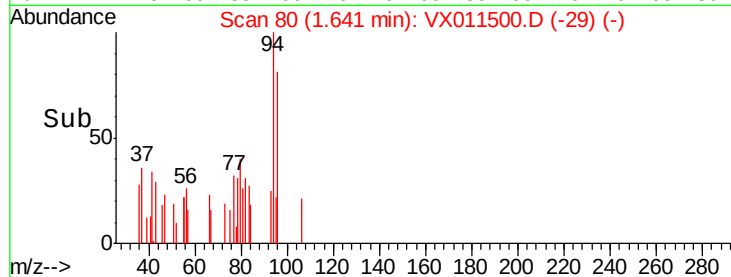
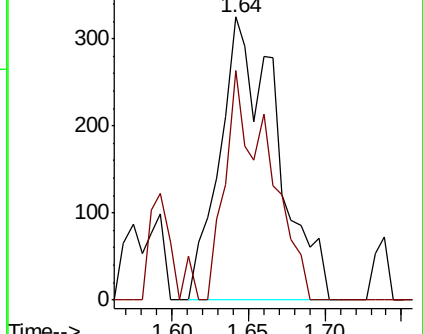
94 100

96 81.2 74.6 112.0



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: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011500.D

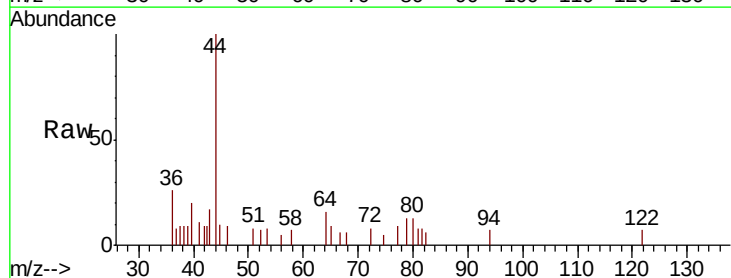
Acq: 12 Aug 2019 22:29

Tgt Ion: 64 Resp: 123

Ion Ratio Lower Upper

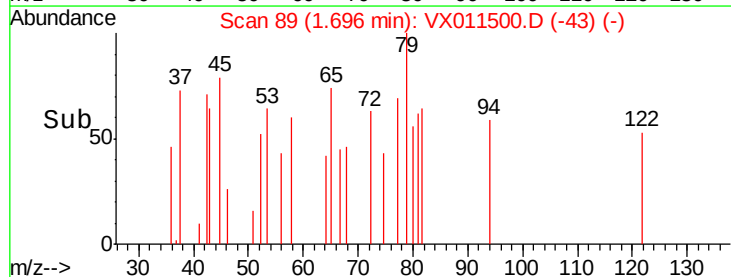
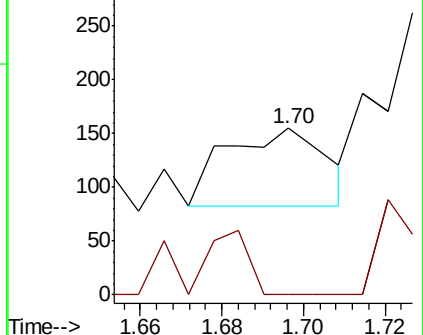
64 100

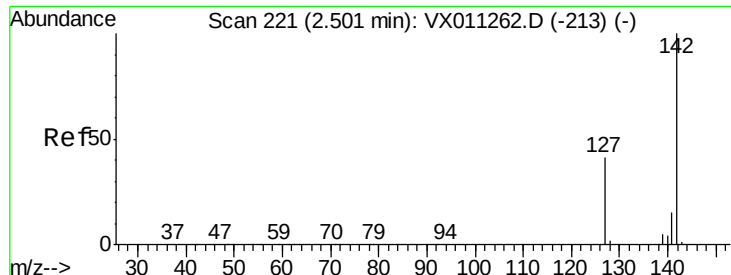
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

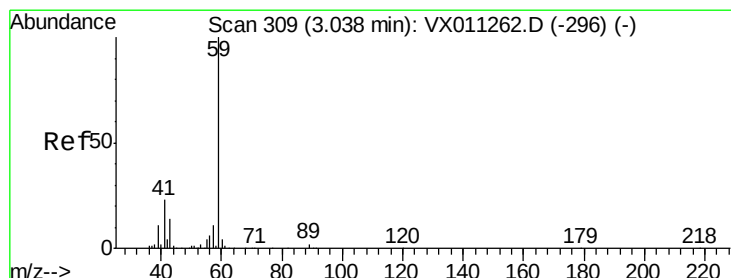
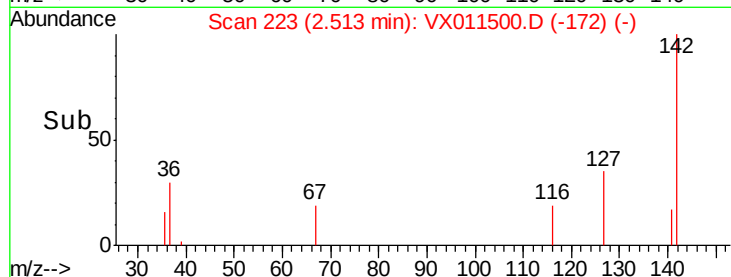
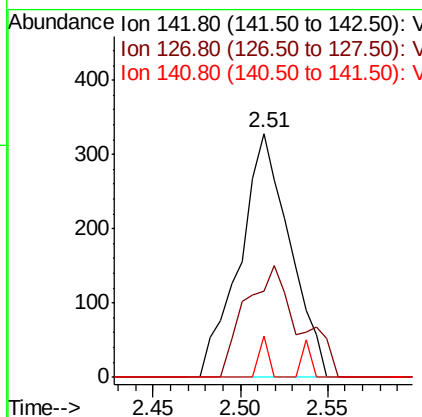
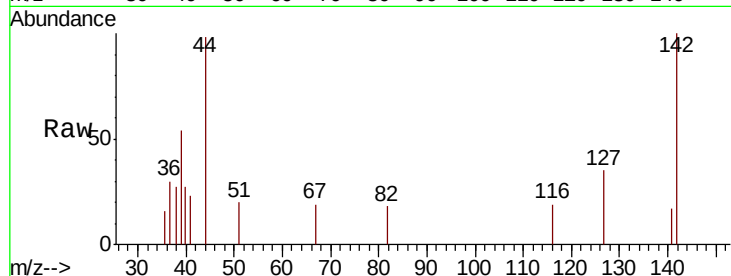




#10
Methyl Iodide
Concen: 0.302 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

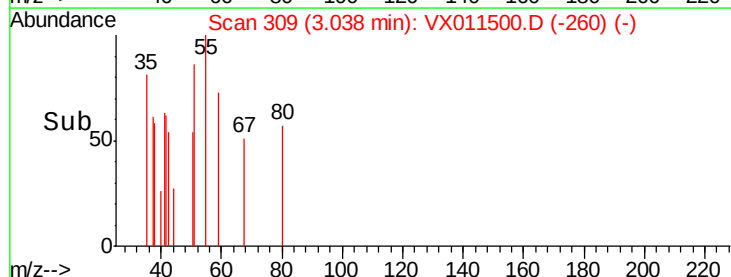
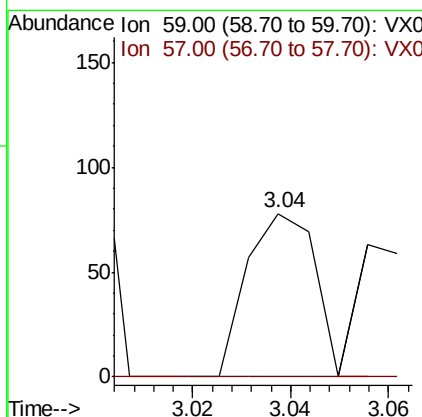
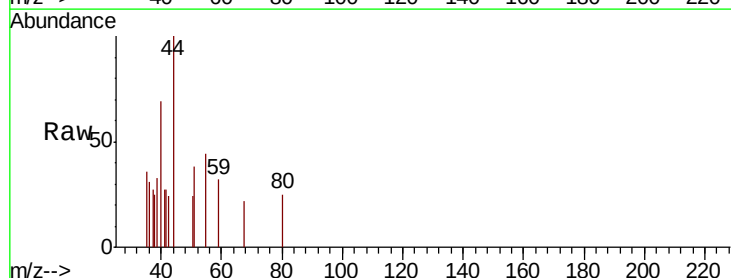
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

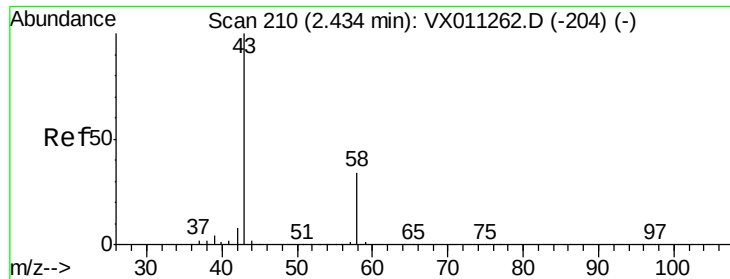
Tgt Ion: 142 Resp: 652
Ion Ratio Lower Upper
142 100
127 49.5 33.8 50.8
141 3.1 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.223 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

Tgt Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.508 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011500.D

Acq: 12 Aug 2019 22:29

Instrument :

MSVOA_X

ClientSampleId :

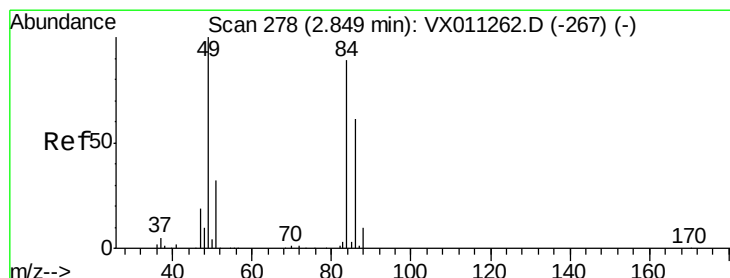
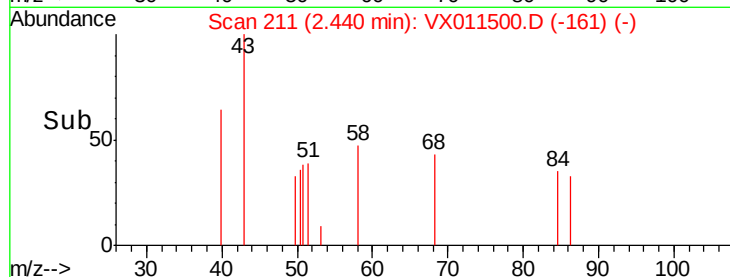
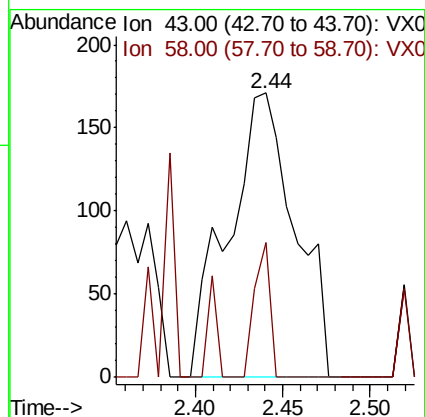
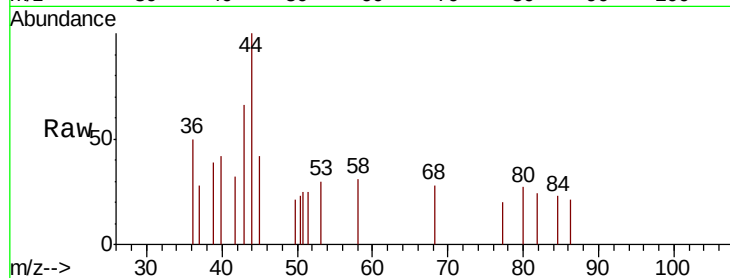
VX0812WBL02

Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

43 100

58 47.4 27.4 41.0#



#20

Methylene Chloride

Concen: 0.200 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX011500.D

Acq: 12 Aug 2019 22:29

Tgt Ion: 84 Resp: 392

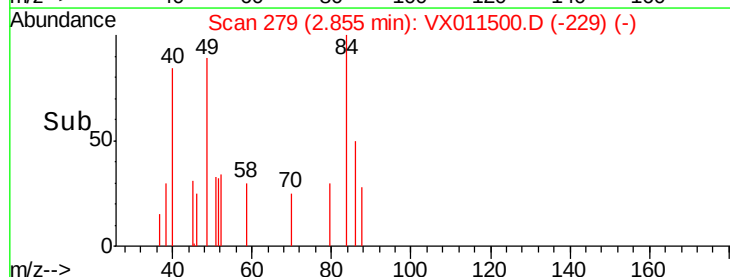
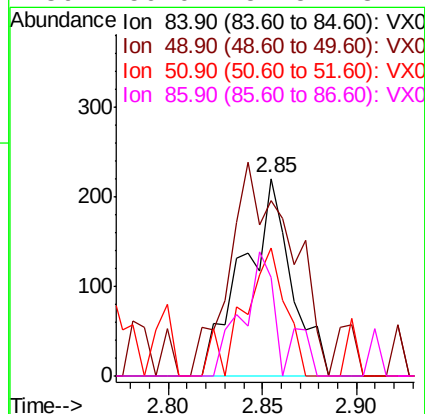
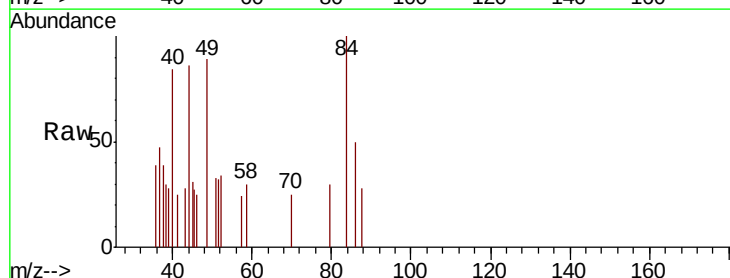
Ion Ratio Lower Upper

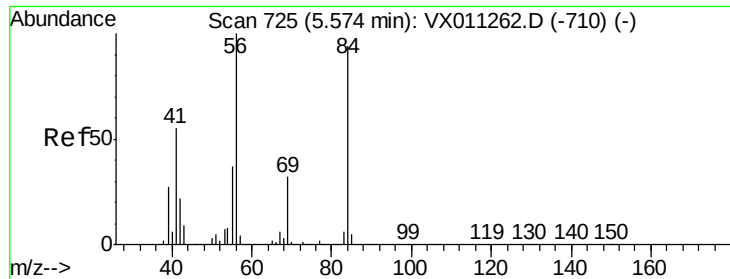
84 100

49 89.1 89.3 133.9#

51 65.0 28.3 42.5#

86 50.0 54.5 81.7#

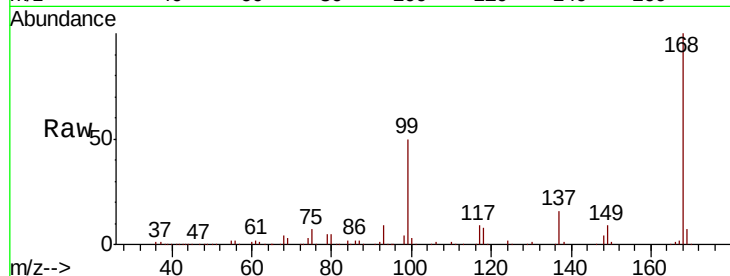




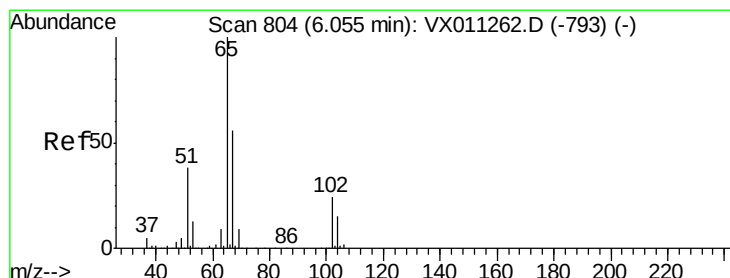
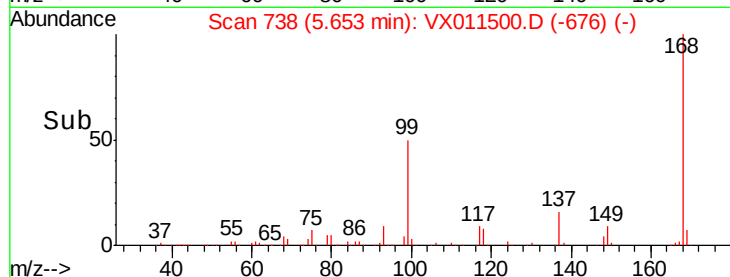
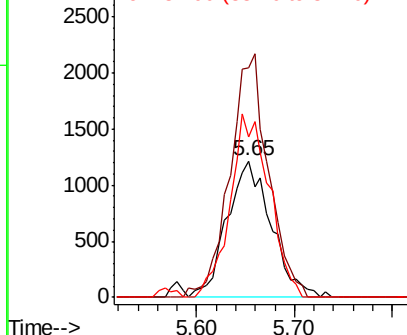
#31
Cyclohexane
Concen: 1.583 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Tgt Ion: 56 Resp: 3830
Ion Ratio Lower Upper
56 100
69 168.3 25.5 38.3#
84 133.9 75.0 112.4#

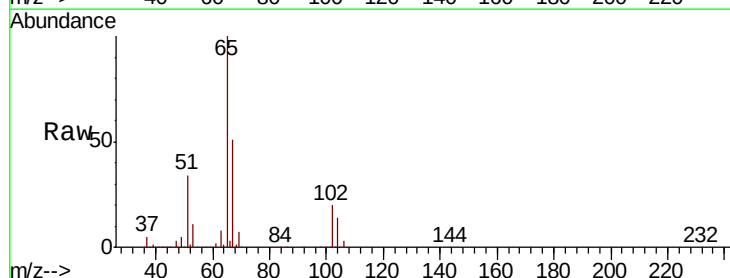


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

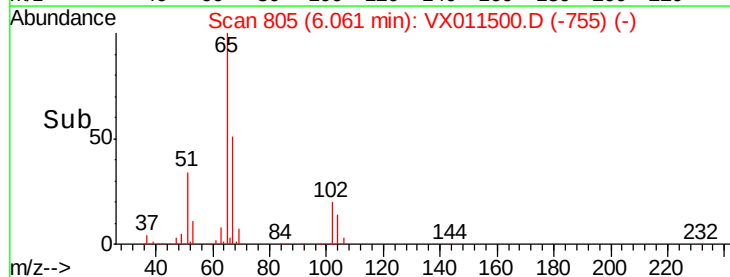
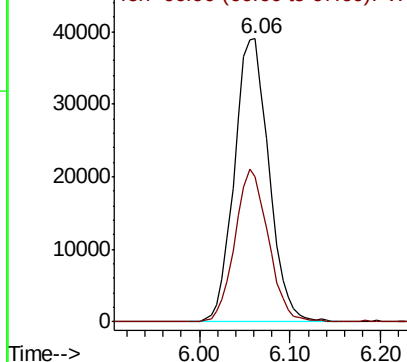


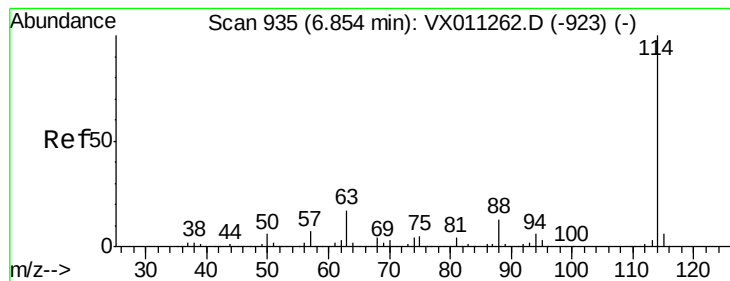
#33
1,2-Dichloroethane-d4
Concen: 54.904 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

Tgt Ion: 65 Resp: 103164
Ion Ratio Lower Upper
65 100
67 52.1 0.0 110.6



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: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011500.D

Acq: 12 Aug 2019 22:29

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBL02

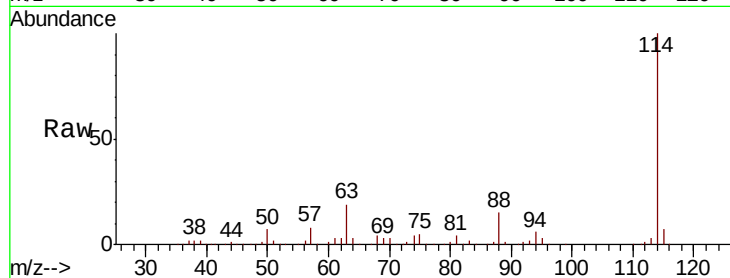
Tgt Ion:114 Resp: 281219

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

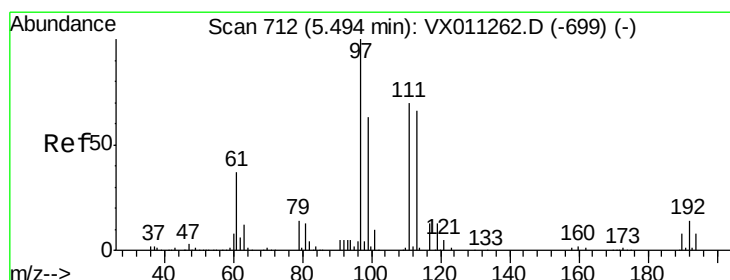
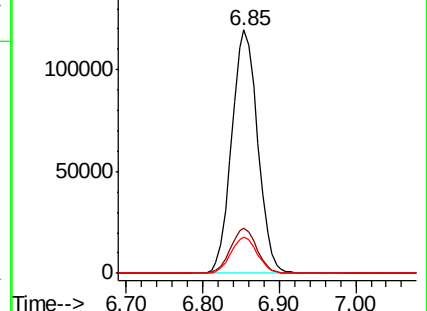
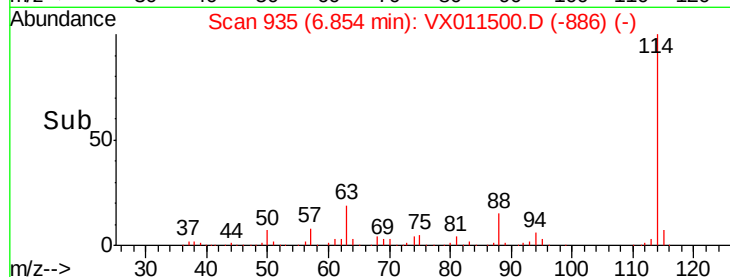
88 15.1 0.0 26.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.451 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011500.D

Acq: 12 Aug 2019 22:29

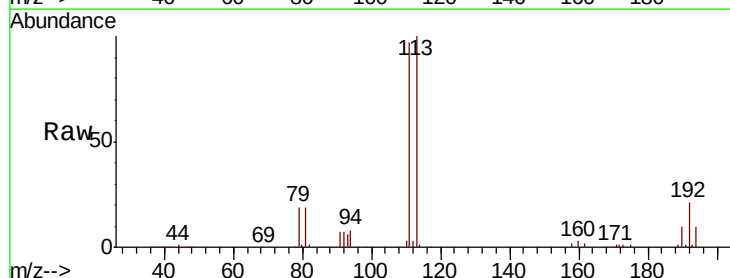
Tgt Ion:113 Resp: 87120

Ion Ratio Lower Upper

113 100

111 100.8 81.9 122.9

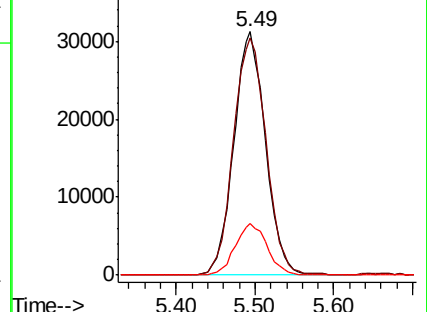
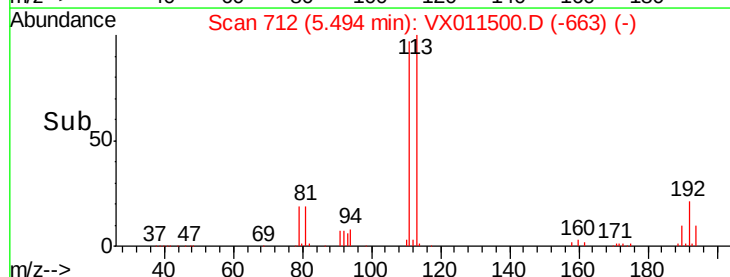
192 21.4 17.8 26.8

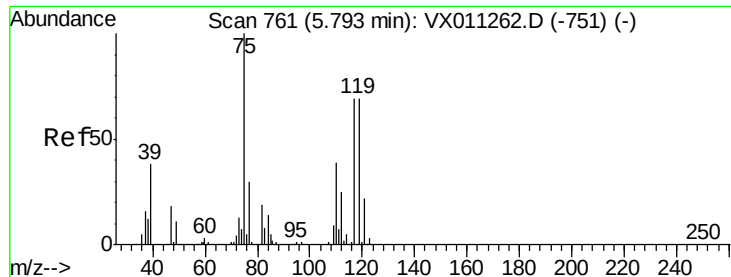


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

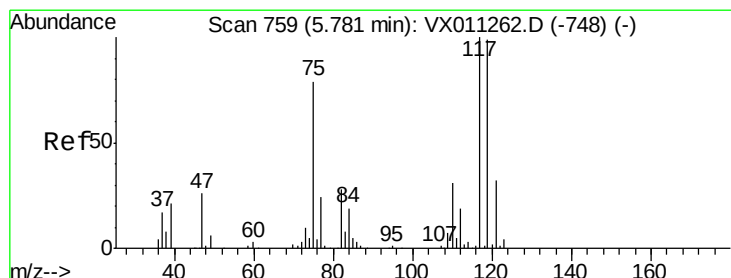
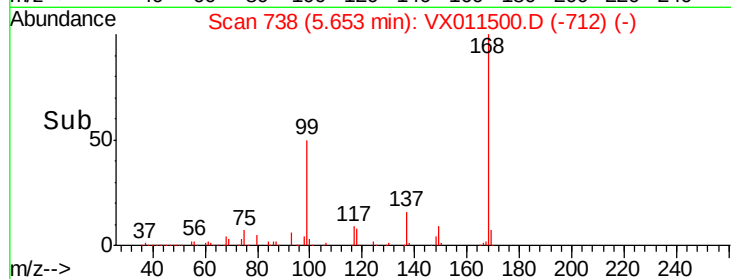
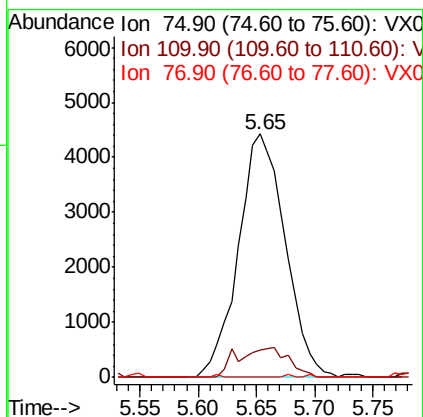
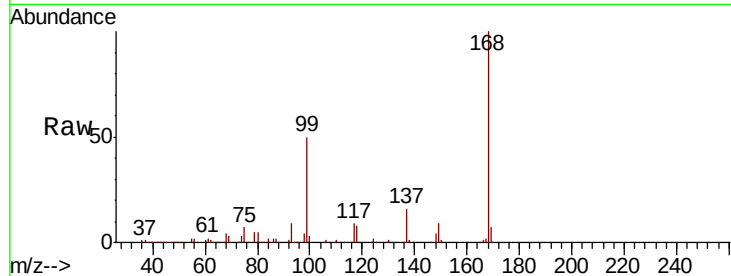




#36
 1,1-Dichloropropene
 Concen: 5.037 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011500.D
 Acq: 12 Aug 2019 22:29

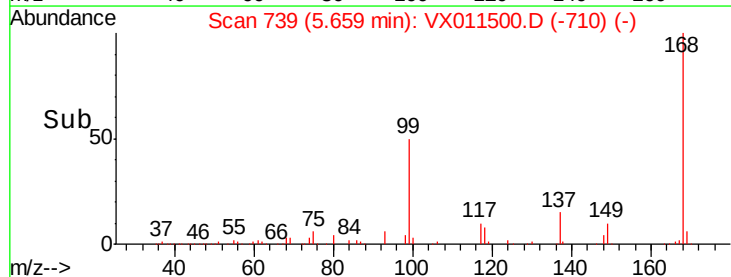
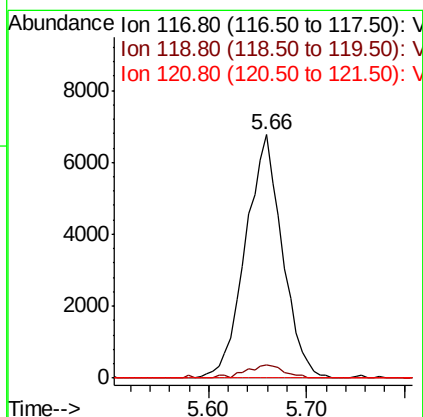
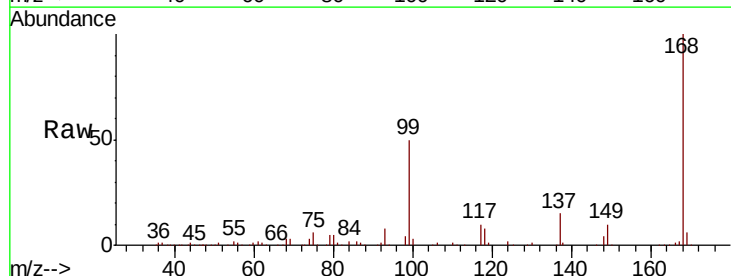
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBL02

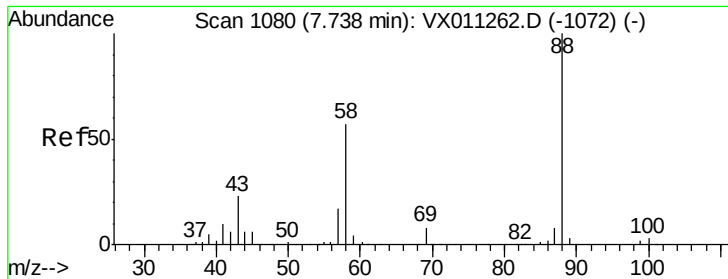
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	20.0	59.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.156 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011500.D
 Acq: 12 Aug 2019 22:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	79.0	118.4#
121	0.0	25.9	38.9#

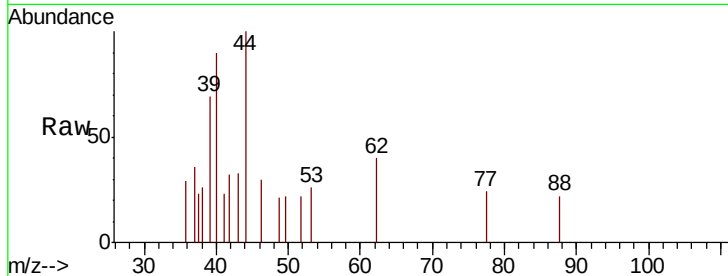




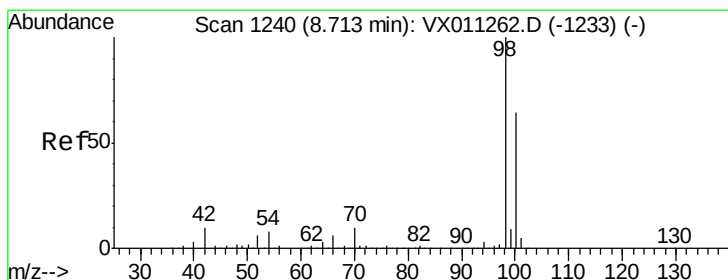
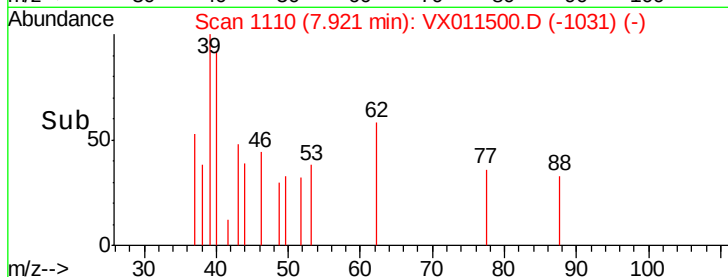
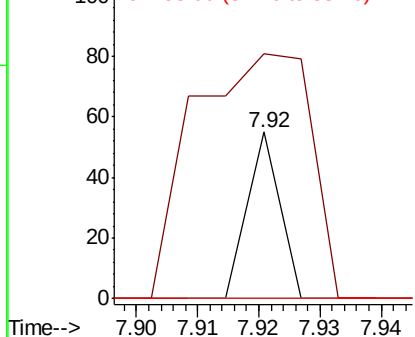
#49
1,4-Dioxane
Concen: 0.372 ug/l
RT: 7.92 min Scan# 1110
Delta R.T. 0.18 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 540.0 22.2 33.2#
58 0.0 47.8 71.8#

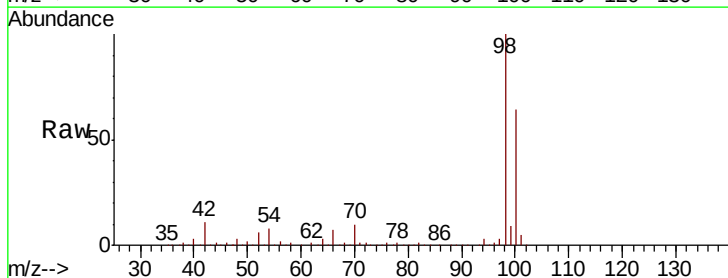


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

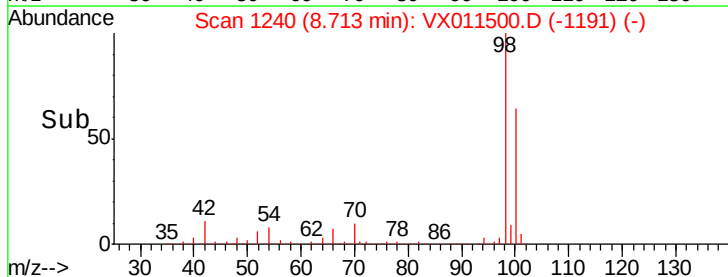
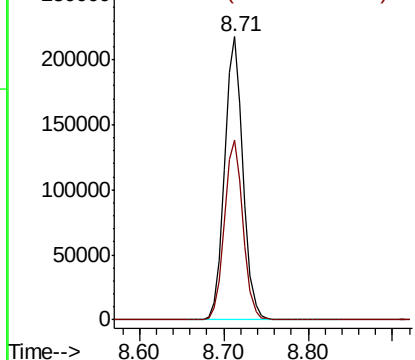


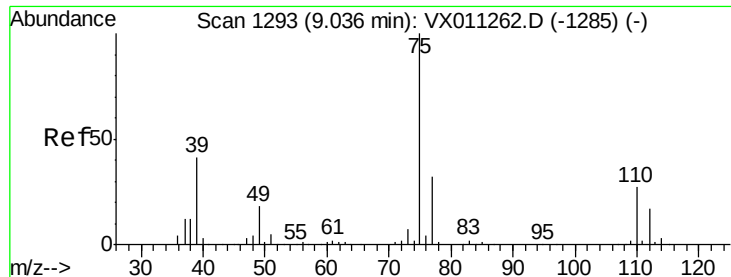
#50
Toluene-d8
Concen: 47.181 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

Tgt Ion: 98 Resp: 326984
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



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

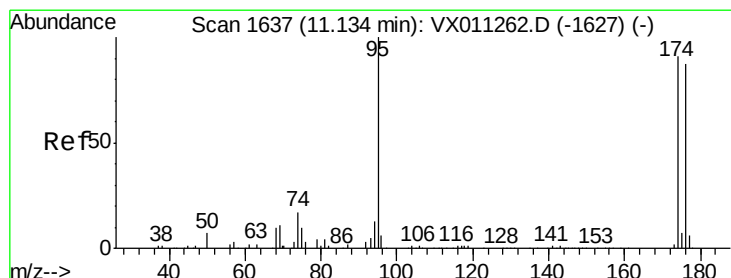
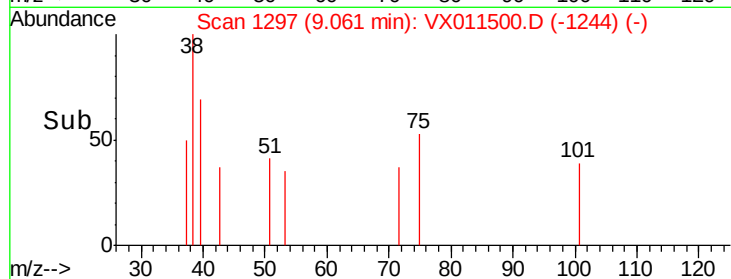
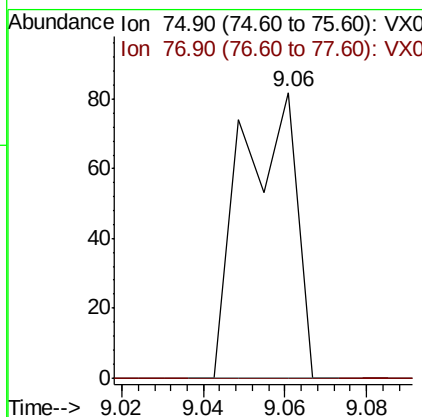
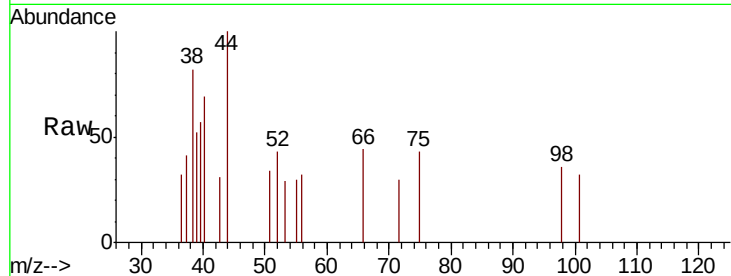




#53
t-1,3-Dichloropropene
Concen: 2.865 ug/l
RT: 9.06 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

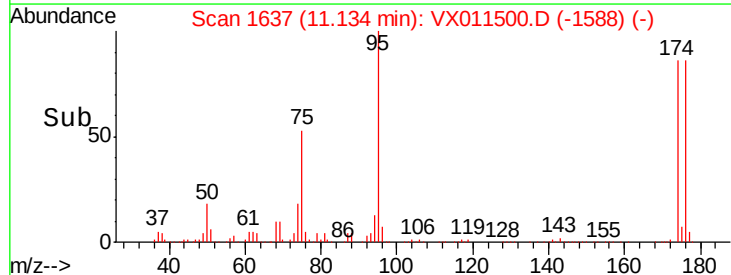
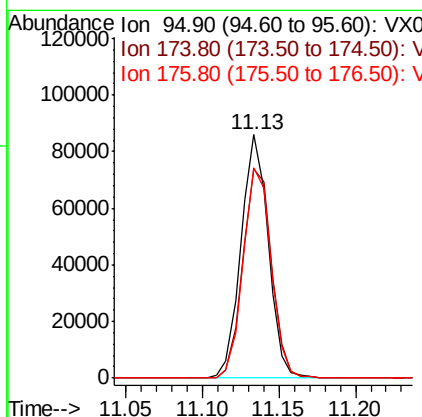
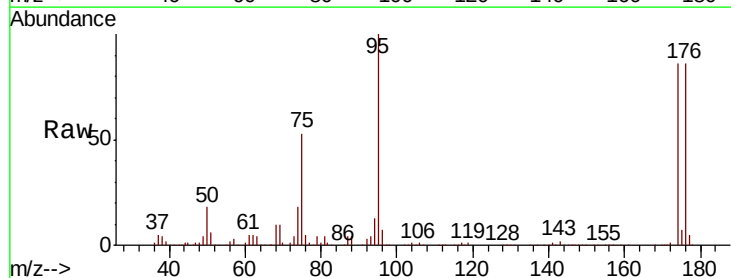
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

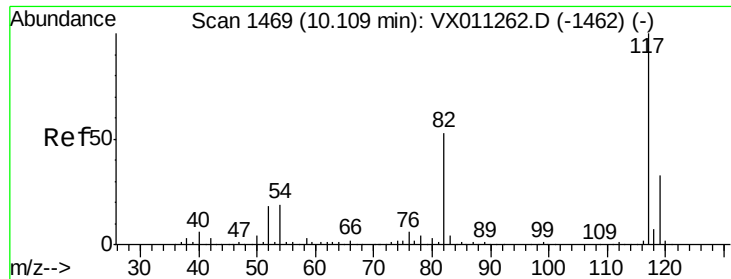
Tgt Ion: 75 Resp: 76
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 43.119 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

Tgt Ion: 95 Resp: 106692
Ion Ratio Lower Upper
95 100
174 90.8 0.0 191.2
176 88.5 0.0 184.8

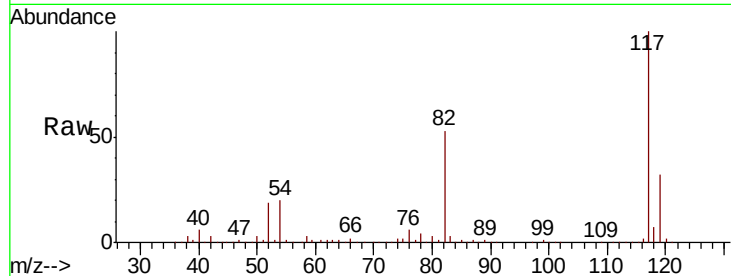




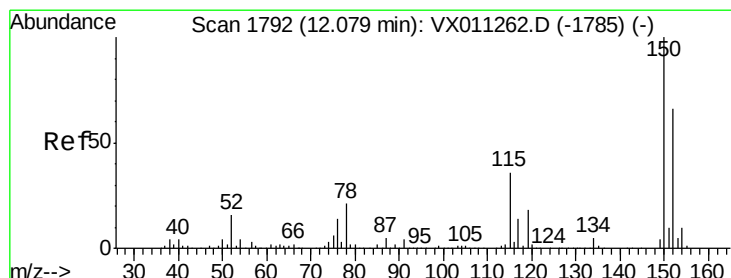
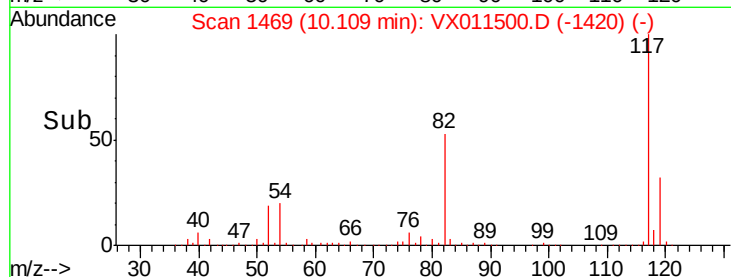
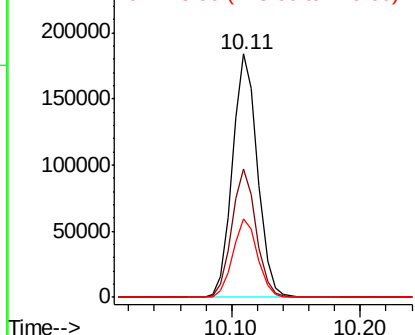
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.2
119	32.3	26.6	39.8

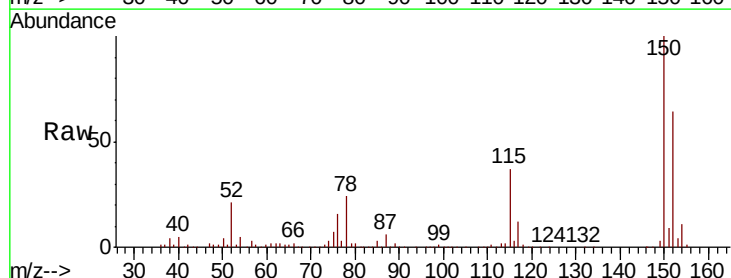


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

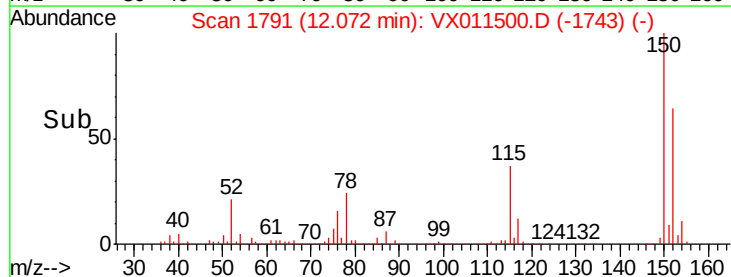
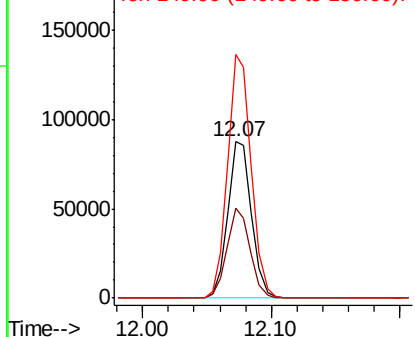


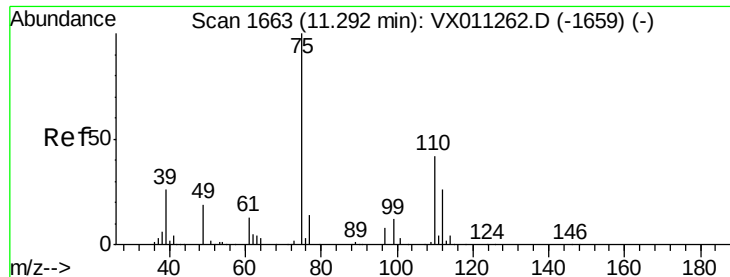
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011500.D
Acq: 12 Aug 2019 22:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	40.0	119.9
150	155.8	0.0	350.4



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: 26.765 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011500.D

Acq: 12 Aug 2019 22:29

Instrument :

MSVOA_X

ClientSampleId :

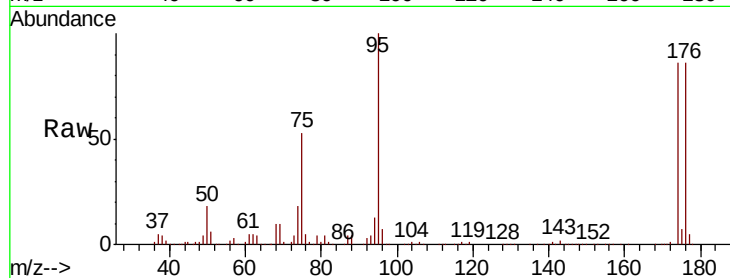
VX0812WBL02

Tgt Ion: 75 Resp: 55014

Ion Ratio Lower Upper

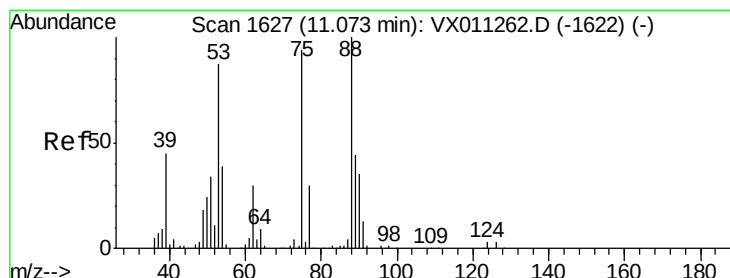
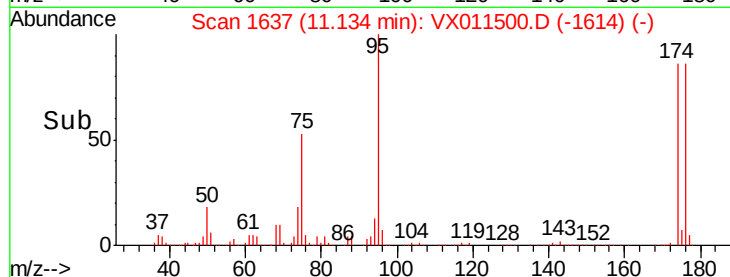
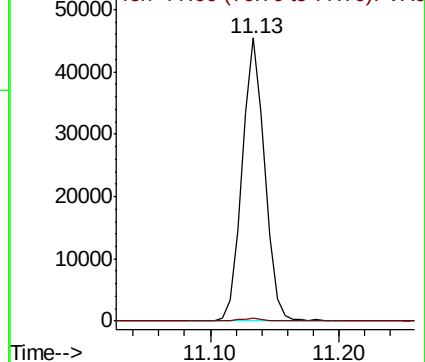
75 100

77 1.3 21.1 63.4#



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: 69.526 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011500.D

Acq: 12 Aug 2019 22:29

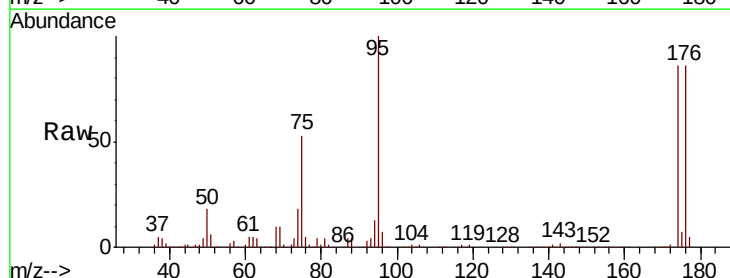
Tgt Ion: 75 Resp: 55014

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 37.9 56.9#



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

