

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011482.D
 Acq On : 12 Aug 2019 14:42
 Operator : JC/SP
 Sample : K4278-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0702

Quant Time: Aug 13 07:39:25 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

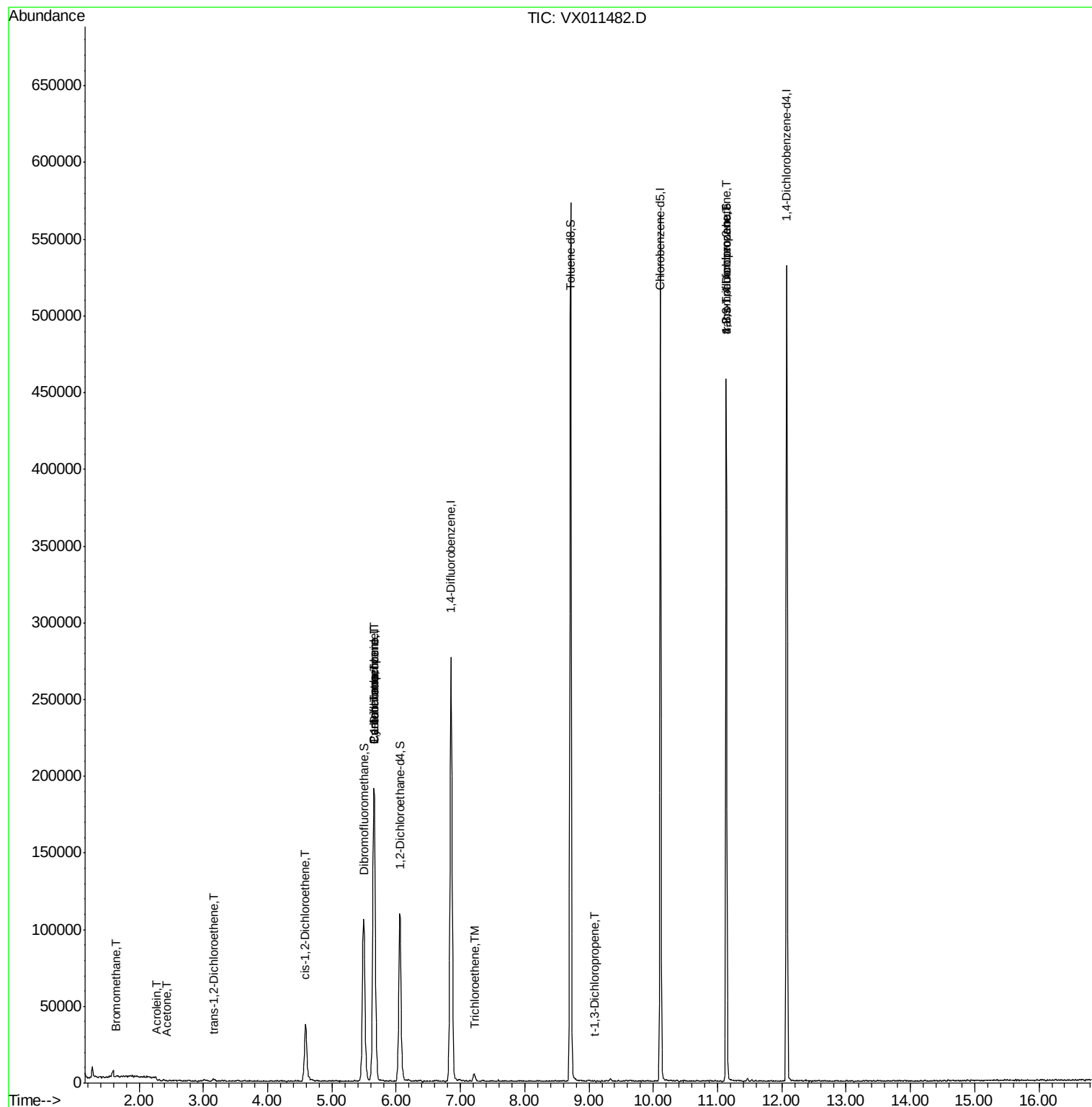
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	188265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	285785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115831	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	104298	55.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.02%	
35) Dibromofluoromethane	5.49	113	87841	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
50) Toluene-d8	8.71	98	331450	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.13	95	109068	43.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.76%	
Target Compounds						
5) Bromomethane	1.65	94	520	0.406	ug/l	95
6) Chloroethane	1.73	64	346	Below Cal		94
13) Acrolein	2.28	56	208	0.464	ug/l #	43
16) Acetone	2.43	43	341	0.378	ug/l #	55
21) trans-1,2-Dichloroethene	3.17	96	548	0.302	ug/l #	51
27) cis-1,2-Dichloroethene	4.59	96	24277	11.632	ug/l	93
31) Cyclohexane	5.66	56	3714	1.521	ug/l #	25
36) 1,1-Dichloropropene	5.65	75	13001	5.210	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18298	7.289	ug/l #	15
44) Trichloroethene	7.21	130	1881	0.835	ug/l	91
53) t-1,3-Dichloropropene	9.09	75	24	2.847	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	55371	26.249	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	55371	68.274	ug/l #	10

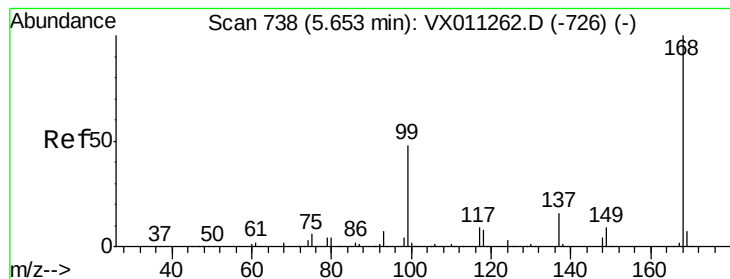
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011482.D

Acq: 12 Aug 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

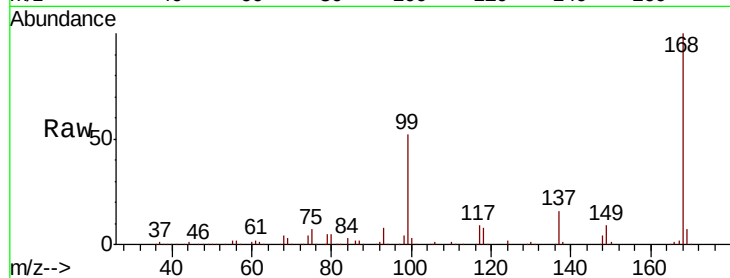
Z3-0702

Tgt Ion:168 Resp: 188265

Ion Ratio Lower Upper

168 100

99 51.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

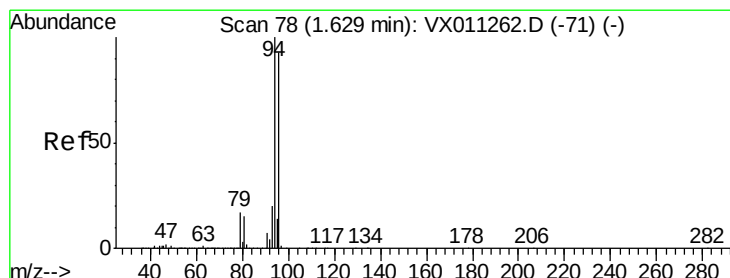
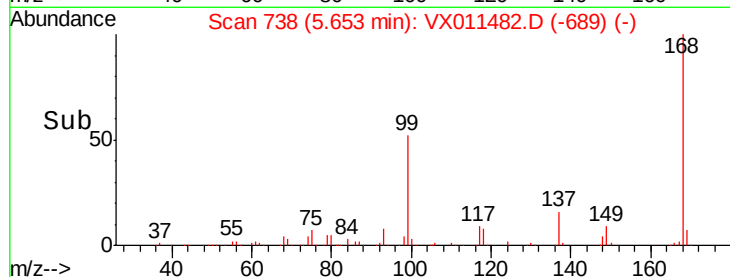
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.406 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011482.D

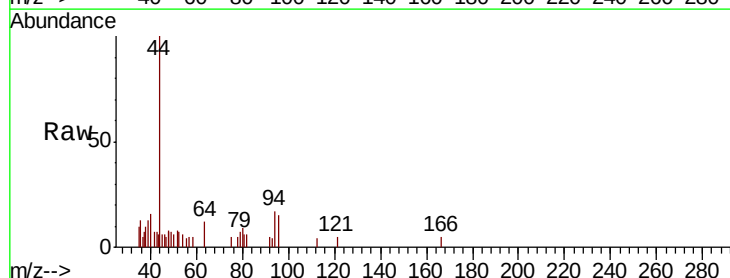
Acq: 12 Aug 2019 14:42

Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

94 100

96 88.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

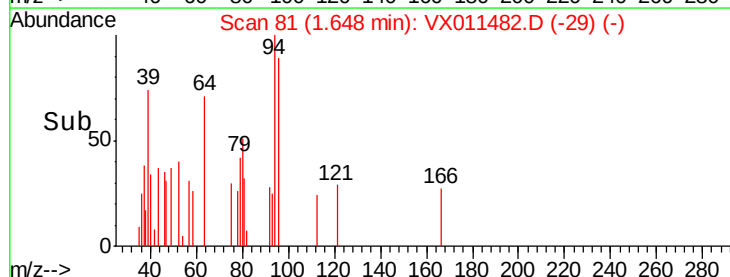
150

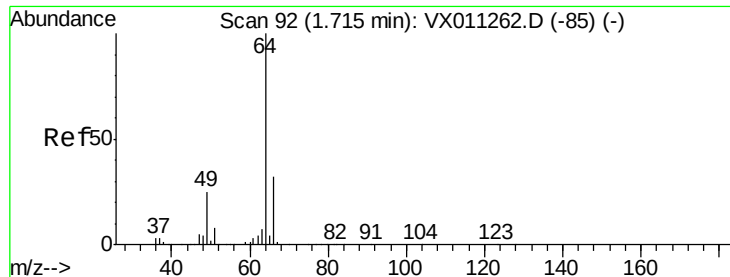
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011482.D

Acq: 12 Aug 2019 14:42

Instrument :

MSVOA_X

ClientSampled :

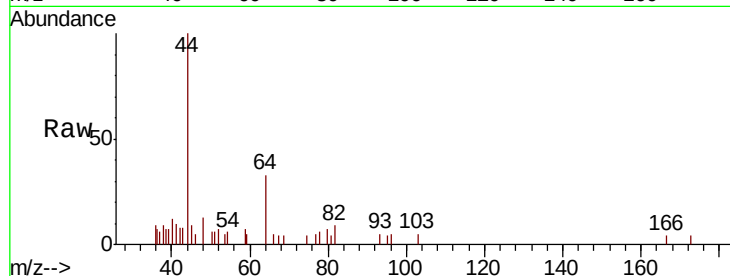
Z3-0702

Tgt Ion: 64 Resp: 346

Ion Ratio Lower Upper

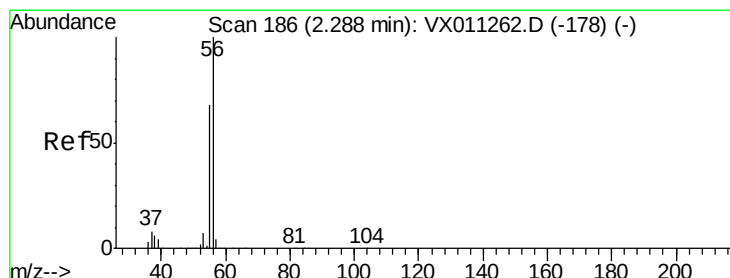
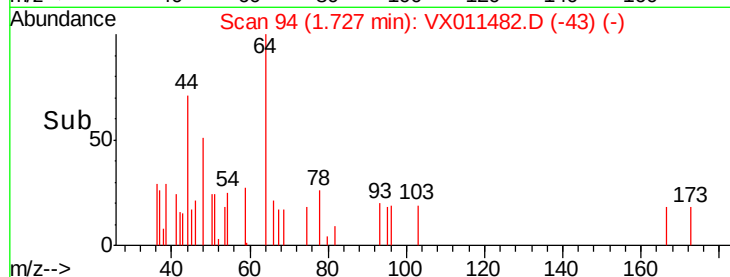
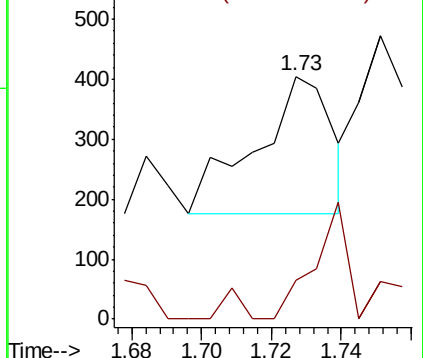
64 100

66 28.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#13

Acrolein

Concen: 0.464 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011482.D

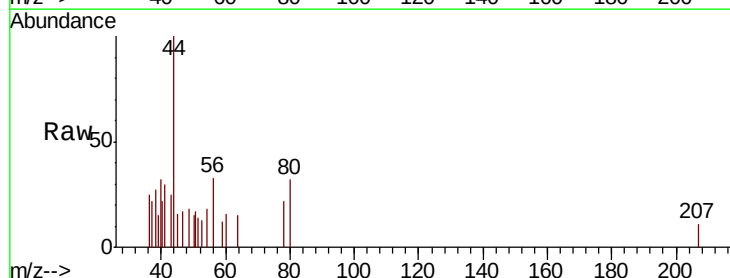
Acq: 12 Aug 2019 14:42

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

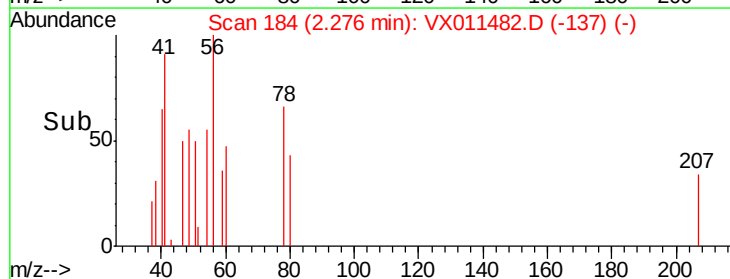
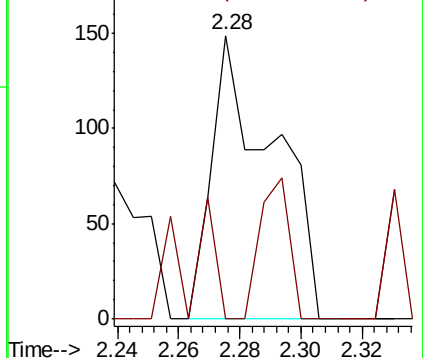
56 100

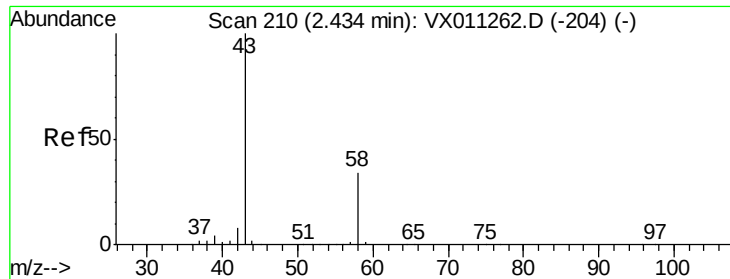
55 23.6 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.378 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011482.D

Acq: 12 Aug 2019 14:42

Instrument :

MSVOA_X

ClientSampled :

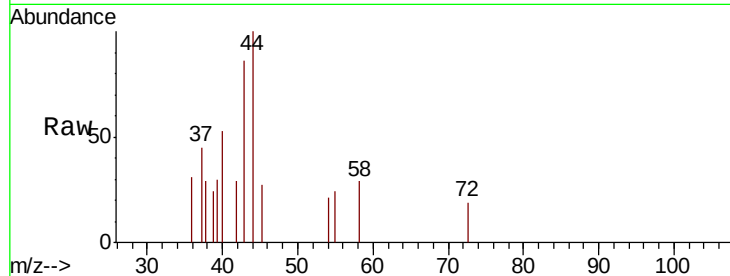
Z3-0702

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

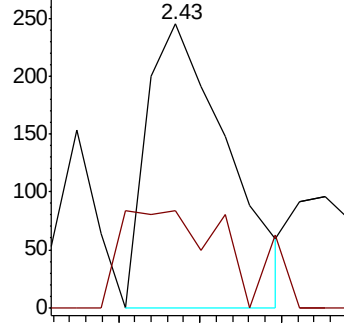
43 100

58 8.6 27.4 41.0#

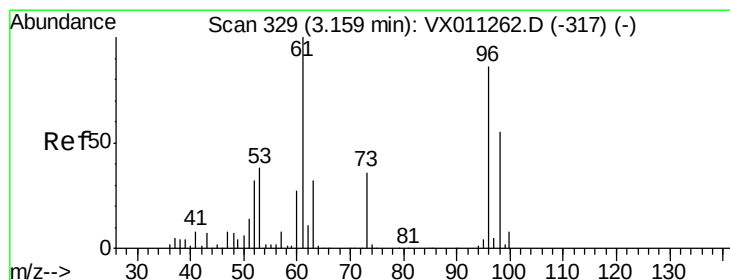
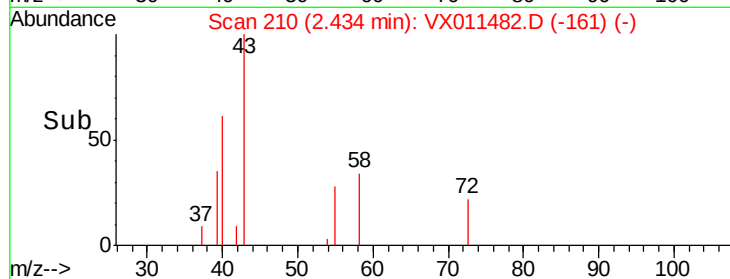


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.302 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX011482.D

Acq: 12 Aug 2019 14:42

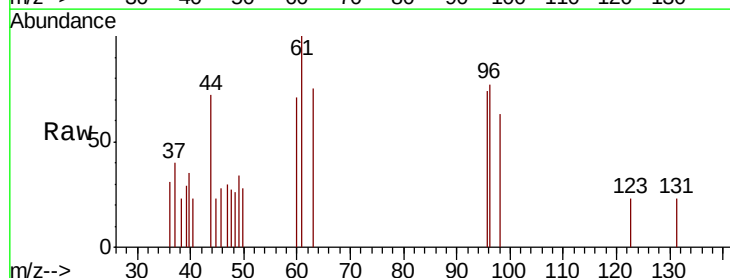
Tgt Ion: 96 Resp: 548

Ion Ratio Lower Upper

96 100

61 51.1 92.8 139.2#

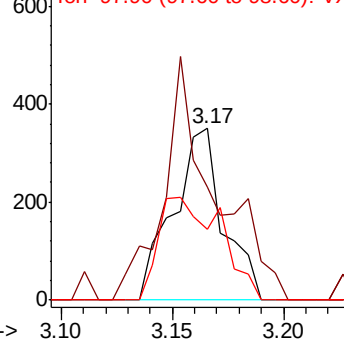
98 41.4 51.2 76.8#



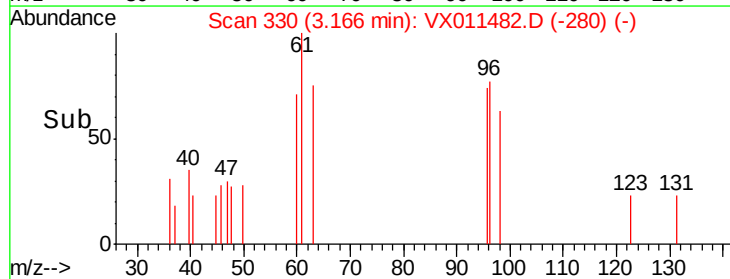
Abundance Ion 95.90 (95.60 to 96.60): VX0

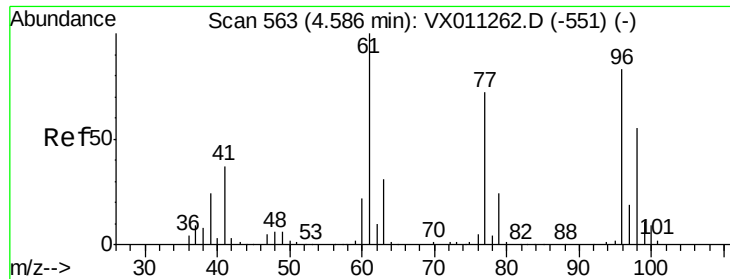
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



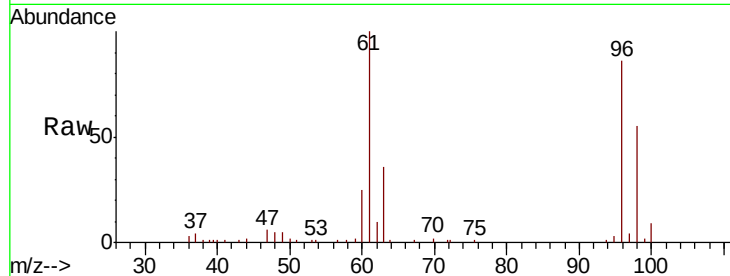


#27

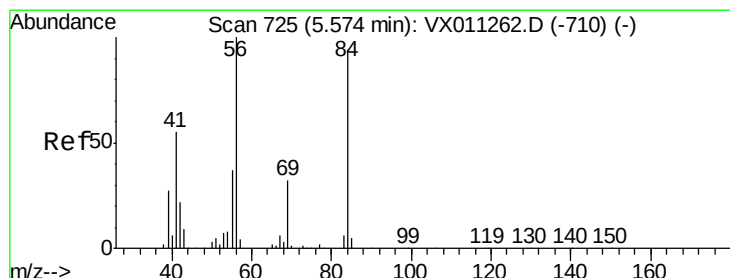
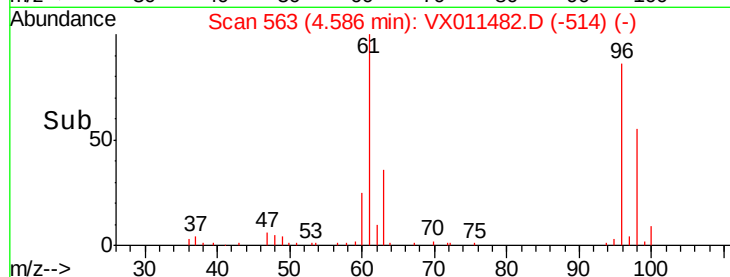
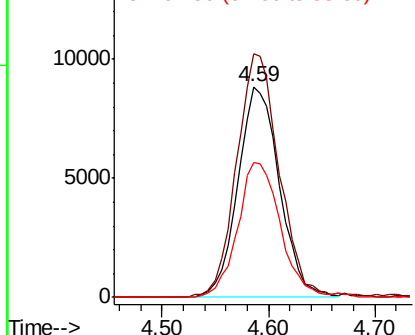
cis-1,2-Dichloroethene
 Concen: 11.632 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011482.D
 Acq: 12 Aug 2019 14:42

Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0702

Tgt Ion: 96 Resp: 24277
 Ion Ratio Lower Upper
 96 100
 61 118.9 0.0 260.2
 98 65.4 0.0 133.2



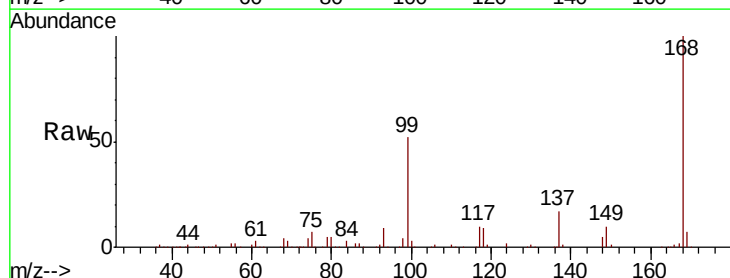
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



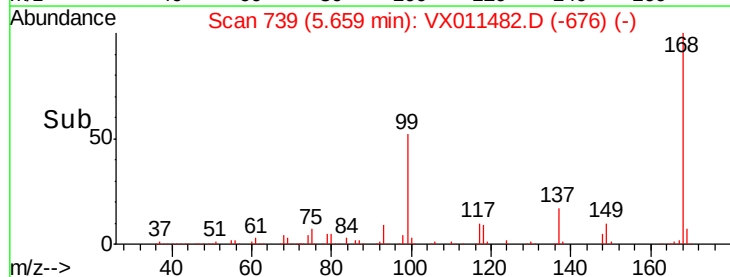
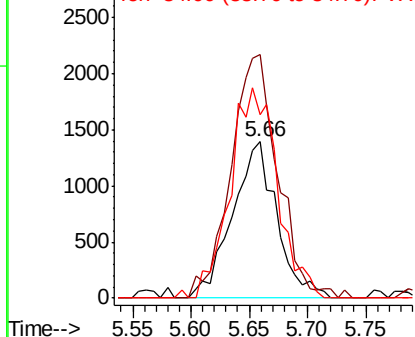
#31

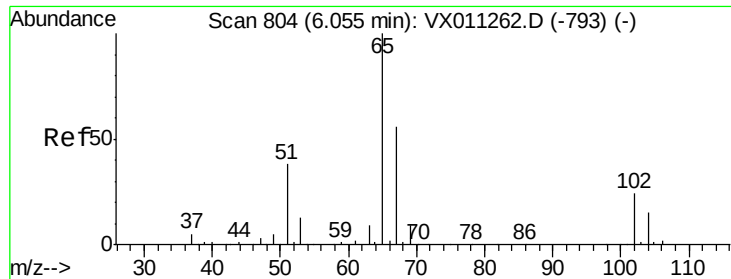
Cyclohexane
 Concen: 1.521 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.09 min
 Lab File: VX011482.D
 Acq: 12 Aug 2019 14:42

Tgt Ion: 56 Resp: 3714
 Ion Ratio Lower Upper
 56 100
 69 155.9 25.5 38.3#
 84 117.2 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

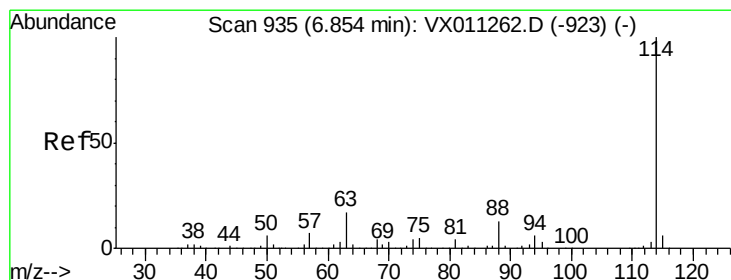
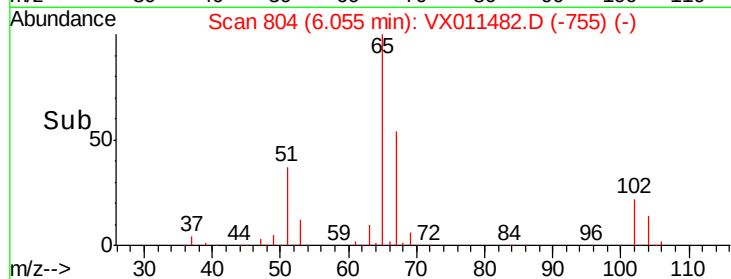
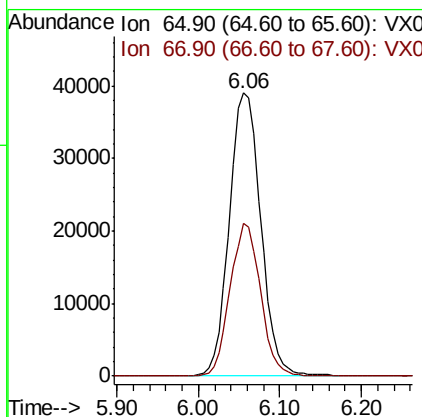
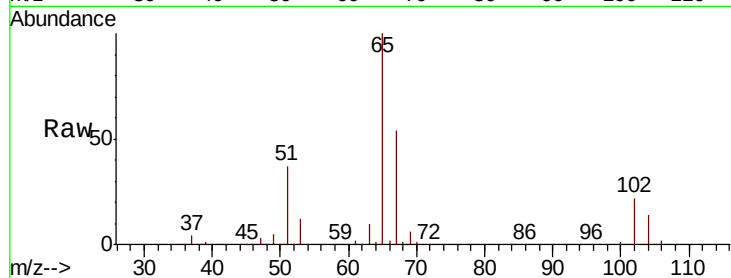




#33
 1,2-Dichloroethane-d4
 Concen: 55.012 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011482.D
 Acq: 12 Aug 2019 14:42

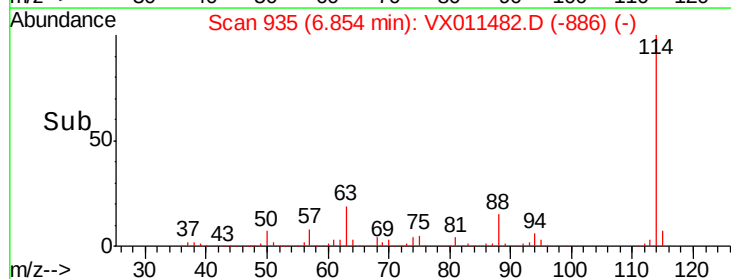
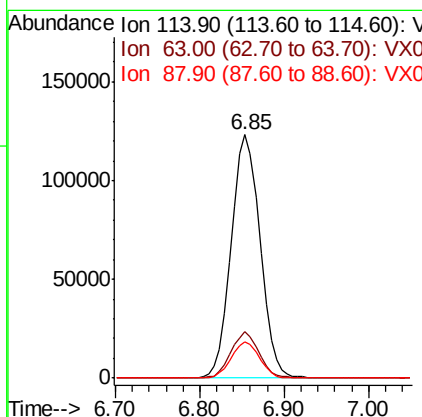
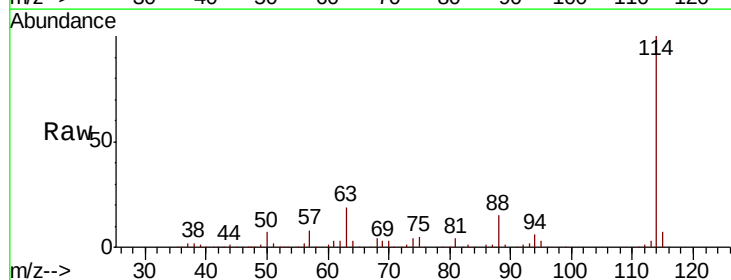
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0702

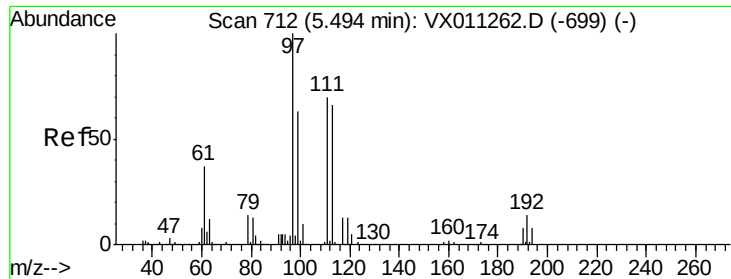
Tgt Ion: 65 Resp: 104298
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011482.D
 Acq: 12 Aug 2019 14:42

Tgt Ion: 114 Resp: 285785
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 34.0
 88 14.8 0.0 26.4

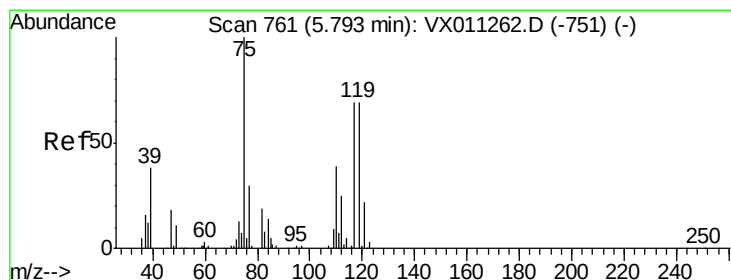
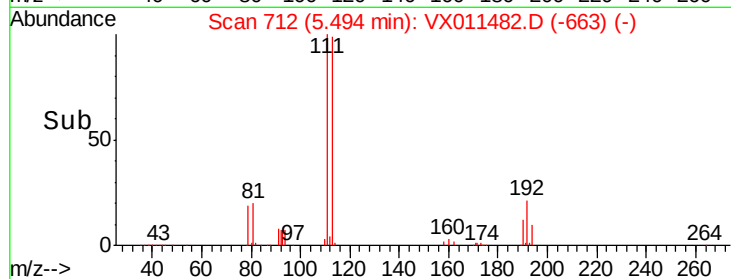
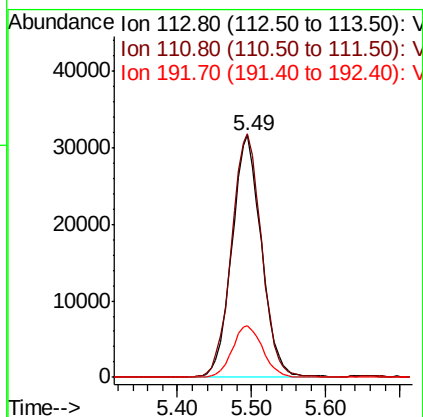
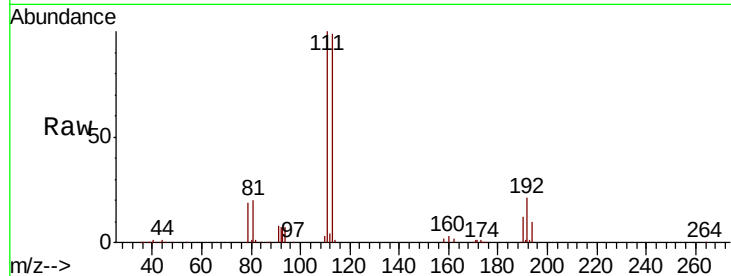




#35
 Dibromofluoromethane
 Concen: 47.079 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011482.D
 Acq: 12 Aug 2019 14:42

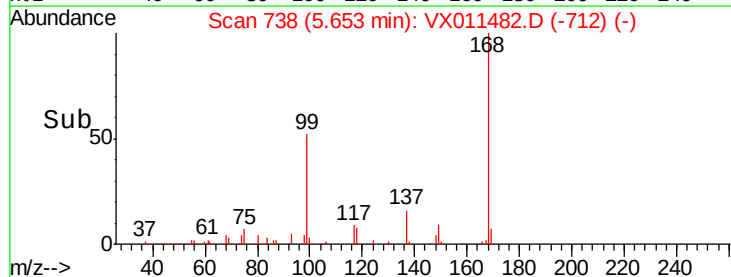
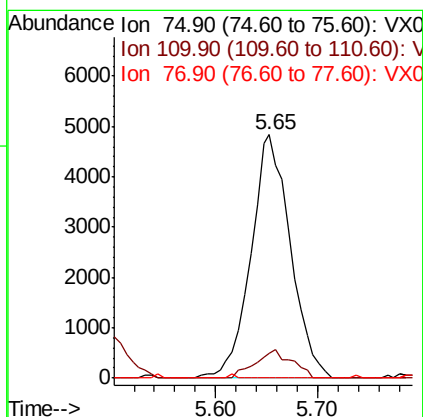
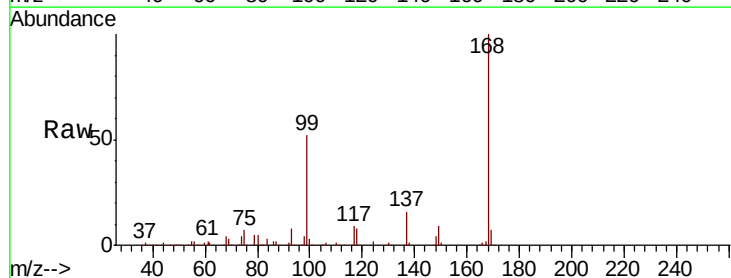
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0702

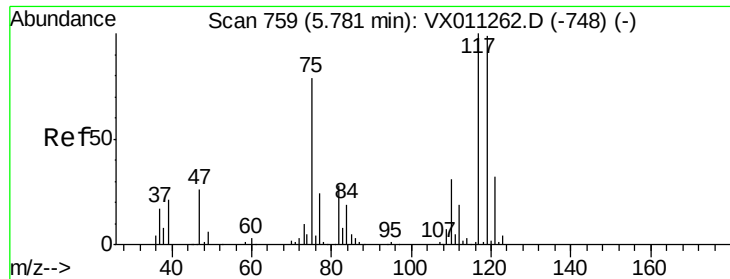
Tgt Ion:113 Resp: 87841
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 22.0 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.210 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011482.D
 Acq: 12 Aug 2019 14:42

Tgt Ion: 75 Resp: 13001
 Ion Ratio Lower Upper
 75 100
 110 10.6 20.0 59.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.289 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011482.D

Acq: 12 Aug 2019 14:42

Instrument :

MSVOA_X

ClientSampled :

Z3-0702

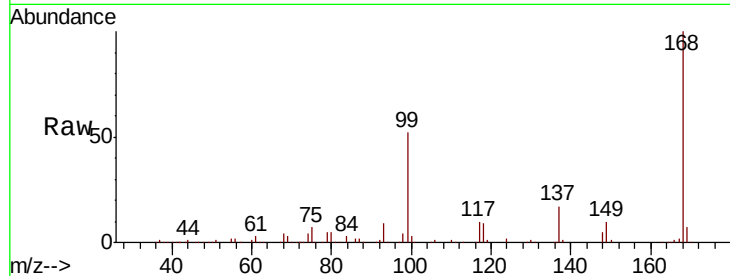
Tgt Ion:117 Resp: 18298

Ion Ratio Lower Upper

117 100

119 5.6 79.0 118.4#

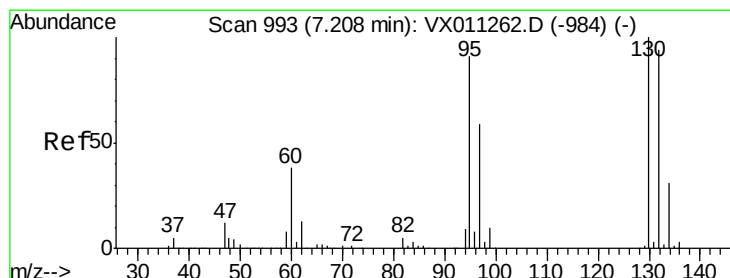
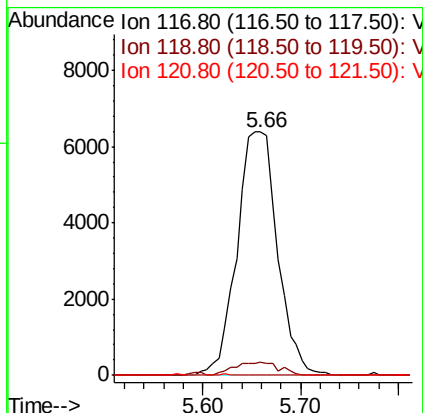
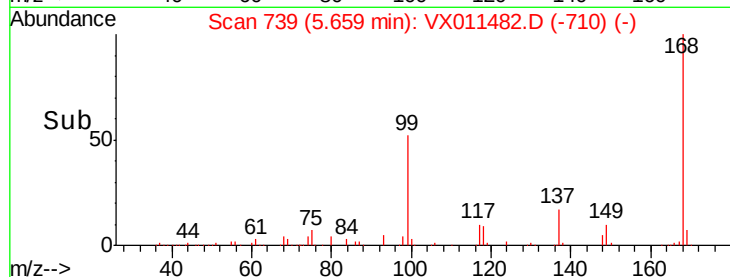
121 0.0 25.9 38.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.835 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011482.D

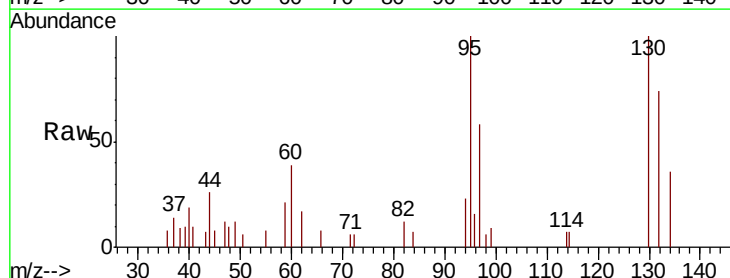
Acq: 12 Aug 2019 14:42

Tgt Ion:130 Resp: 1881

Ion Ratio Lower Upper

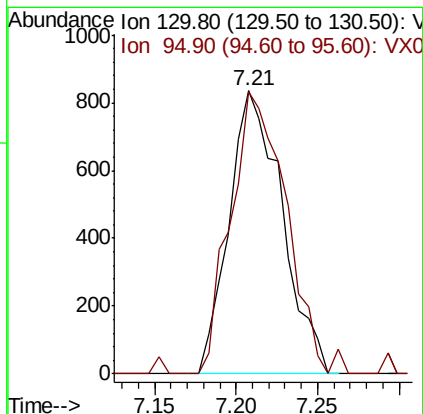
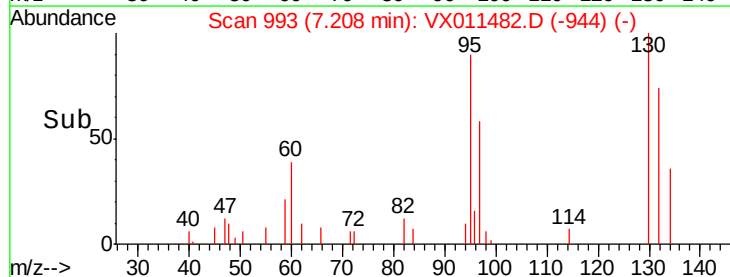
130 100

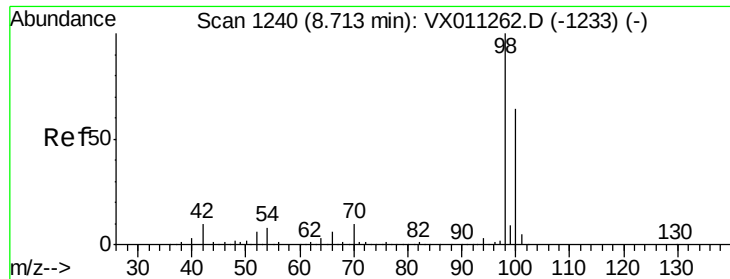
95 99.6 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 47.061 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011482.D

Acq: 12 Aug 2019 14:42

Instrument :

MSVOA_X

ClientSampled :

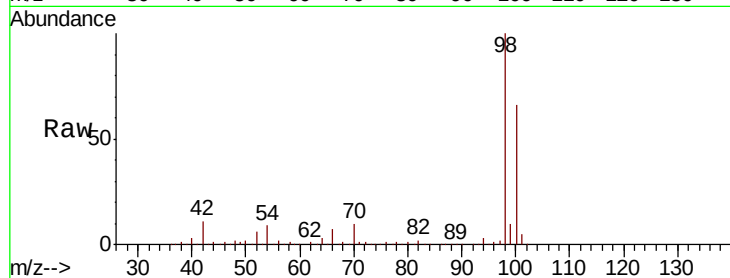
Z3-0702

Tgt Ion: 98 Resp: 331450

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

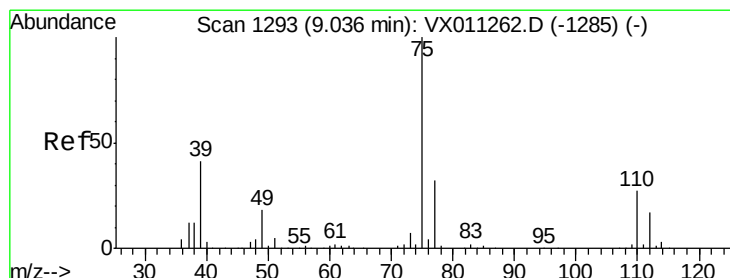
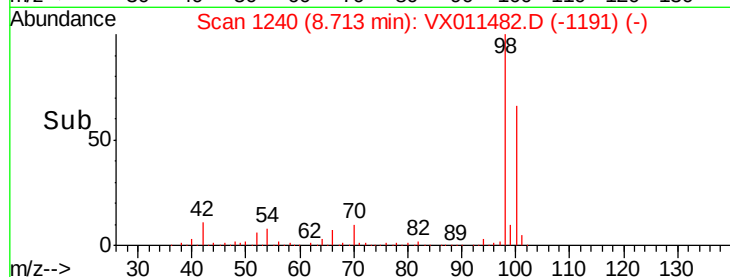
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#53

t-1,3-Dichloropropene

Concen: 2.847 ug/l

RT: 9.09 min Scan# 1301

Delta R.T. 0.05 min

Lab File: VX011482.D

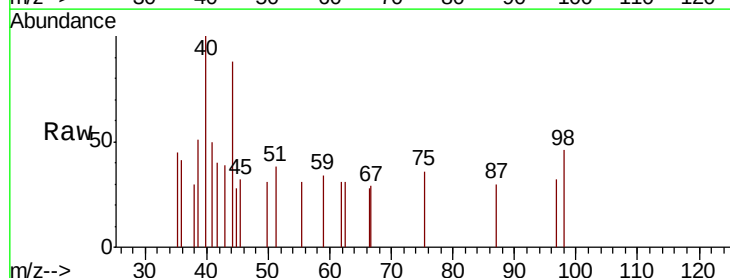
Acq: 12 Aug 2019 14:42

Tgt Ion: 75 Resp: 24

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.09

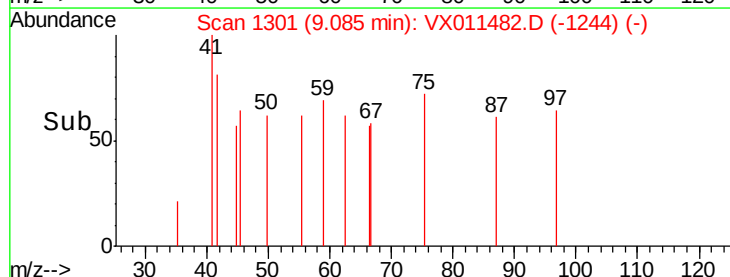
60

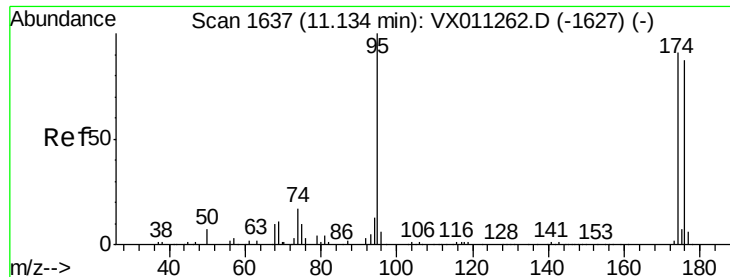
40

20

0

Time--> 9.07 9.08 9.09 9.10

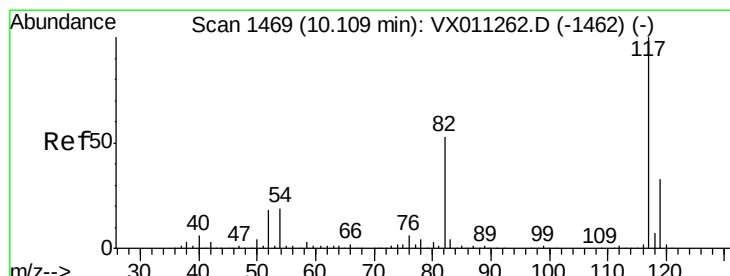
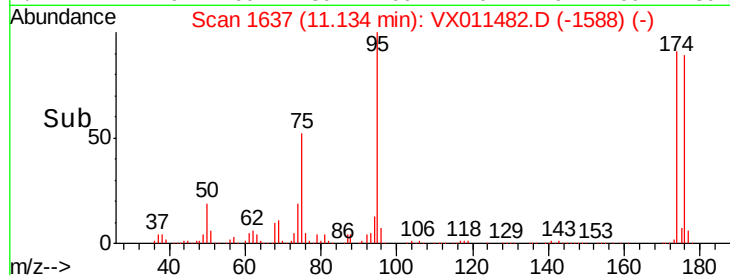
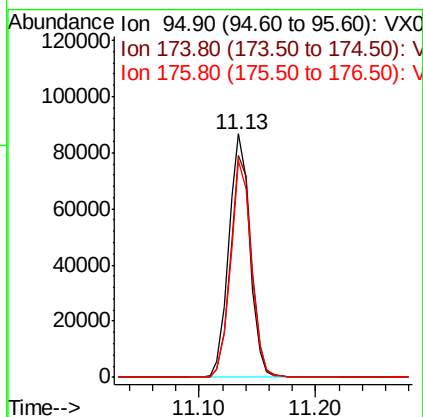
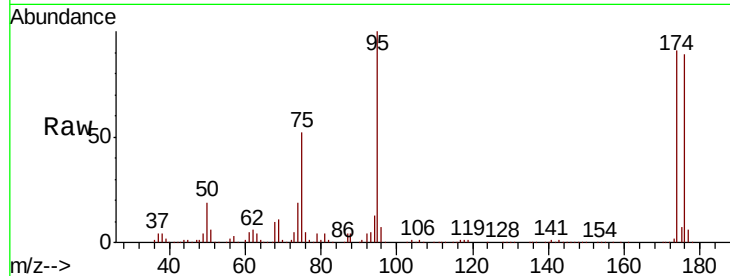




#62
4-Bromofluorobenzene
Concen: 43.375 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011482.D
Acq: 12 Aug 2019 14:42

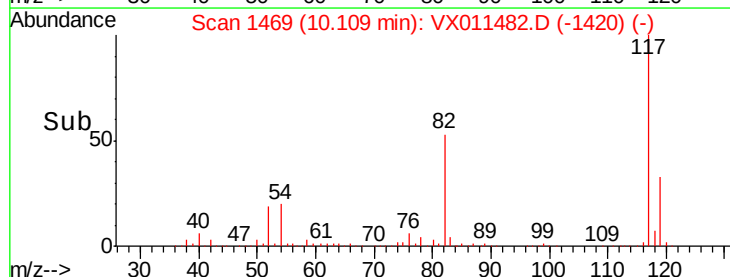
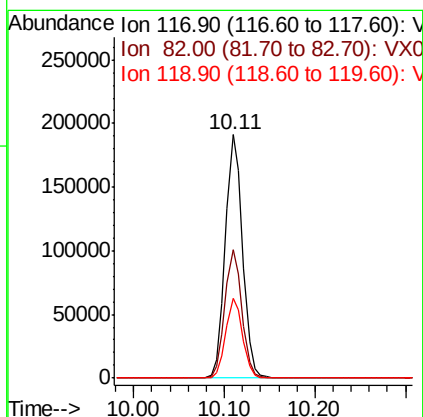
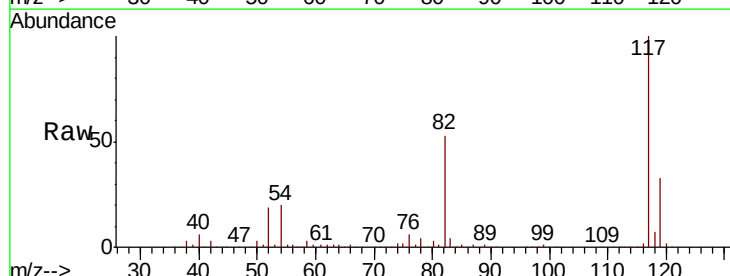
Instrument :
MSVOA_X
ClientSampleId :
Z3-0702

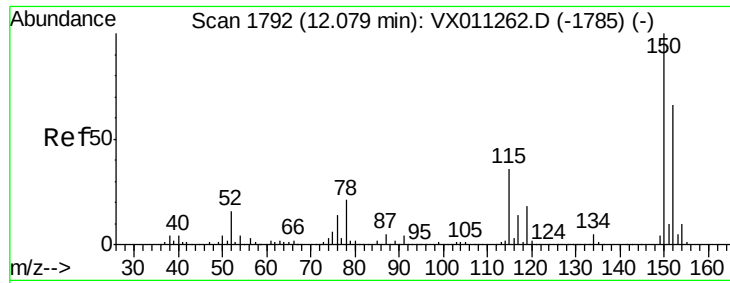
Tgt Ion: 95 Resp: 109068
Ion Ratio Lower Upper
95 100
174 91.7 0.0 191.2
176 87.9 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011482.D
Acq: 12 Aug 2019 14:42

Tgt Ion: 117 Resp: 252809
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 32.8 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011482.D

Acq: 12 Aug 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0702

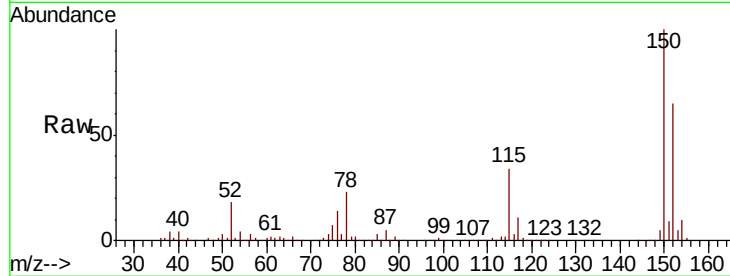
Tgt Ion: 152 Resp: 115831

Ion Ratio Lower Upper

152 100

115 55.4 40.0 119.9

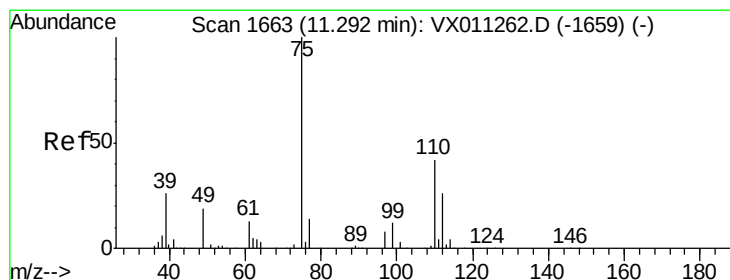
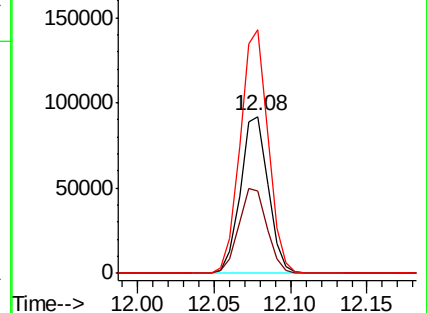
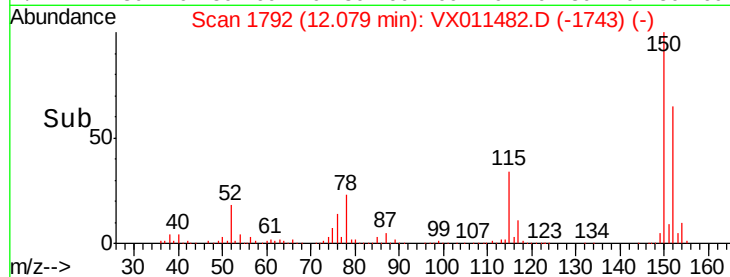
150 156.1 0.0 350.4



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: 26.249 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011482.D

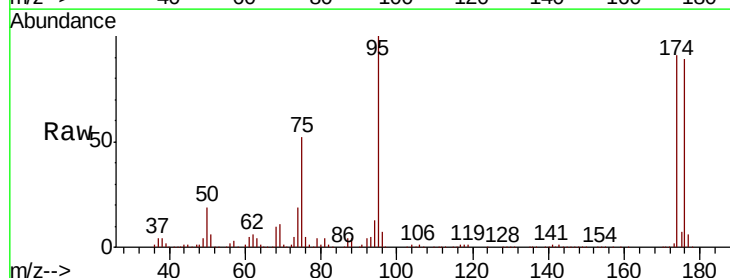
Acq: 12 Aug 2019 14:42

Tgt Ion: 75 Resp: 55371

Ion Ratio Lower Upper

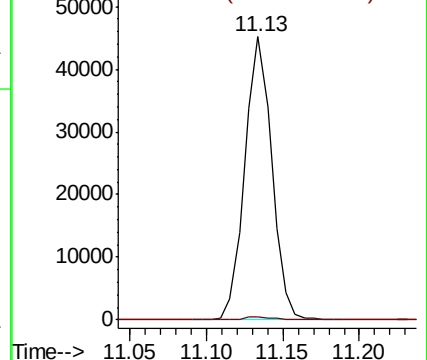
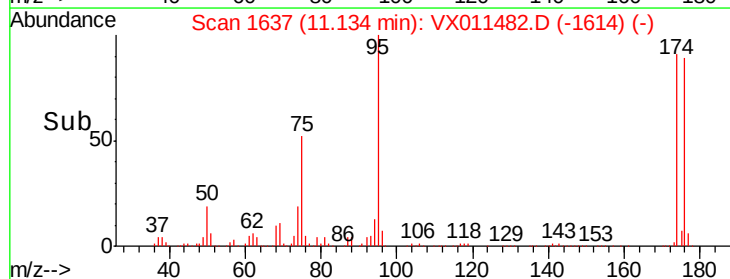
75 100

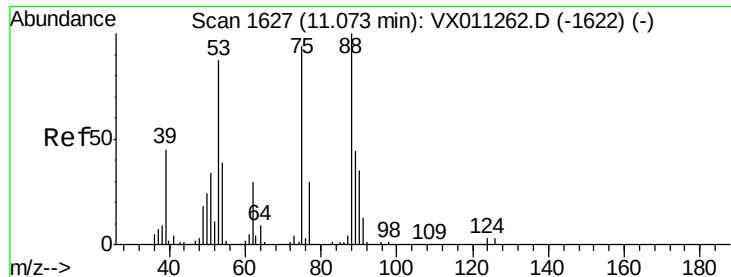
77 1.2 21.1 63.4#



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: 68.274 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011482.D

Acq: 12 Aug 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0702

Tgt Ion: 75 Resp: 55371

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 37.9 56.9#

