

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012640.D
 Acq On : 24 Sep 2019 18:04
 Operator : JC/SP
 Sample : K5019-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW30S-GW

Quant Time: Sep 25 04:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279700	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	79190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	118497	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	5.48	113	84909	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	8.71	98	327552	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.14	95	107490	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	

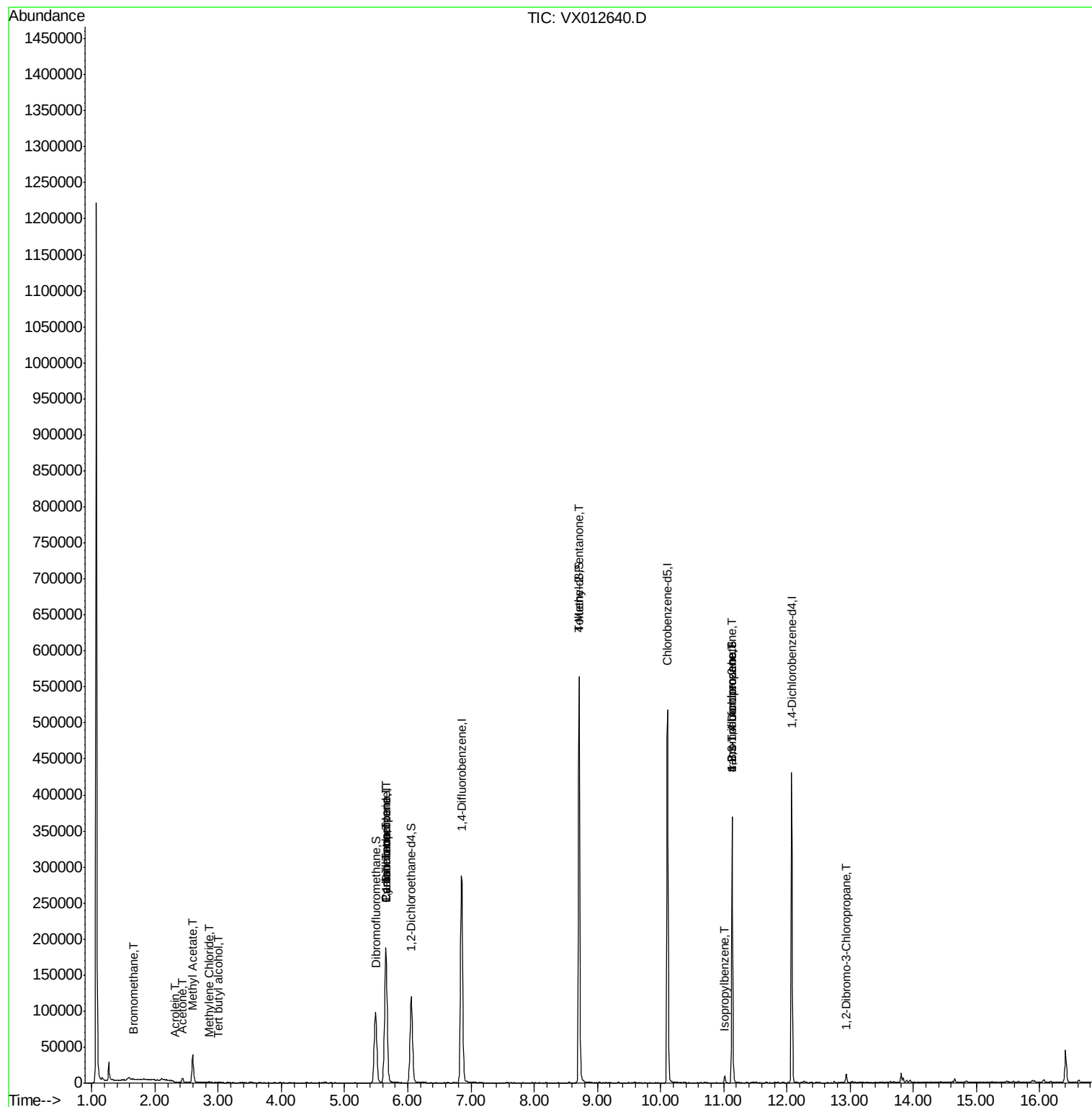
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	274	0.332	ug/l	83
11) Tert butyl alcohol	3.00	59	511	0.860	ug/l #	72
13) Acrolein	2.31	56	21	10.294	ug/l #	1
16) Acetone	2.43	43	6908	5.486	ug/l	97
18) Methyl Acetate	2.59	43	11518	3.885	ug/l #	54
20) Methylene Chloride	2.85	84	708	0.332	ug/l #	65
31) Cyclohexane	5.65	56	3946	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14918	5.533	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18519	6.762	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	1624	0.499	ug/l #	1
73) Isopropylbenzene	11.01	105	5077	0.787	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	54986	26.249	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	54986	75.224	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	12.94	75	261	0.488	ug/l #	4

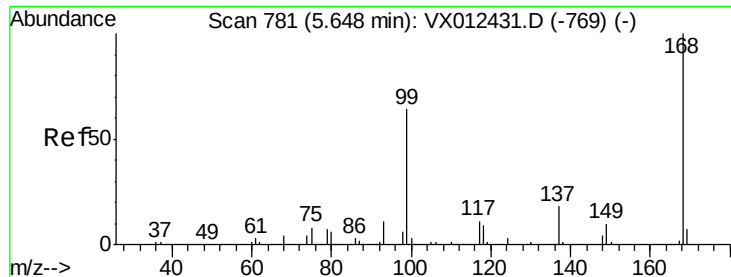
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
Data File : VX012640.D
Acq On : 24 Sep 2019 18:04
Operator : JC/SP
Sample : K5019-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW30S-GW

Quant Time: Sep 25 04:38:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

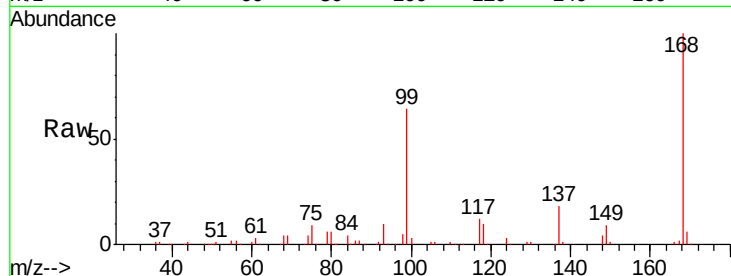
QNWP8-MW30S-GW

Tgt Ion:168 Resp: 163255

Ion Ratio Lower Upper

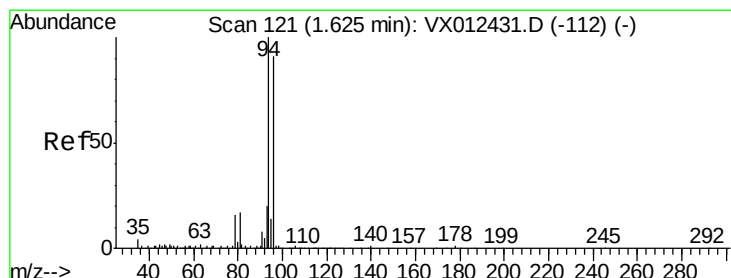
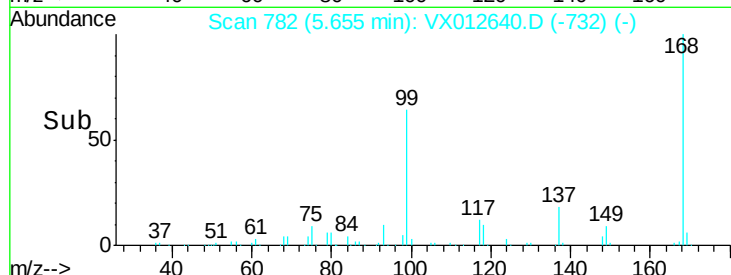
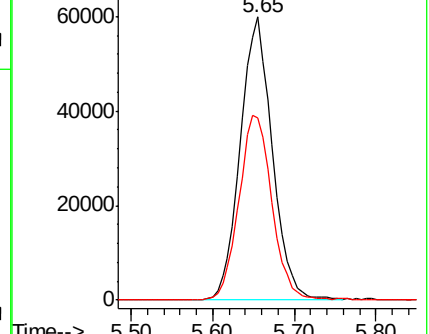
168 100

99 64.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.332 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012640.D

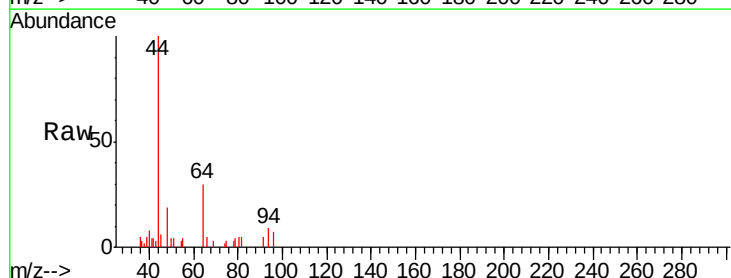
Acq: 24 Sep 2019 18:04

Tgt Ion: 94 Resp: 274

Ion Ratio Lower Upper

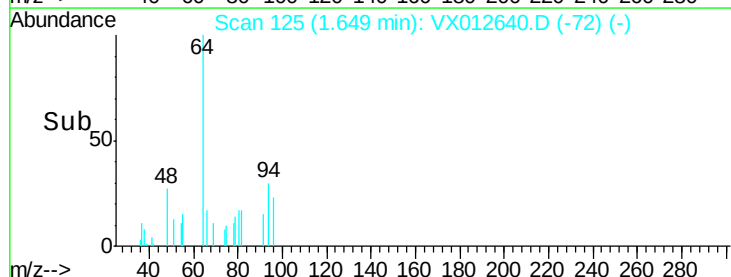
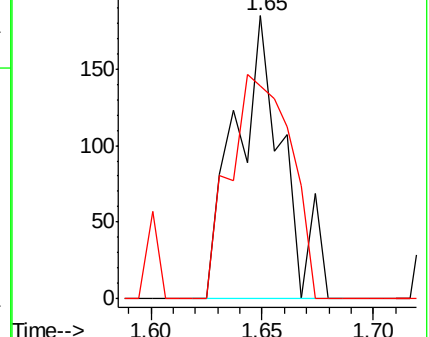
94 100

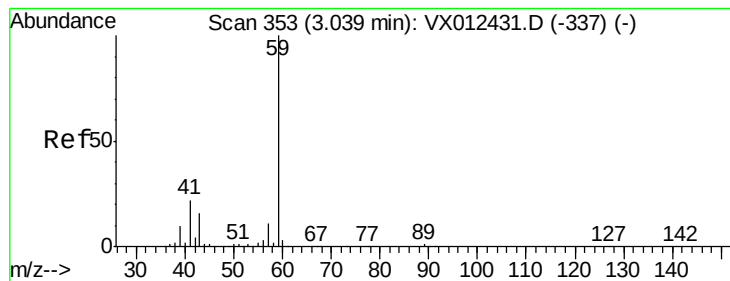
96 75.1 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



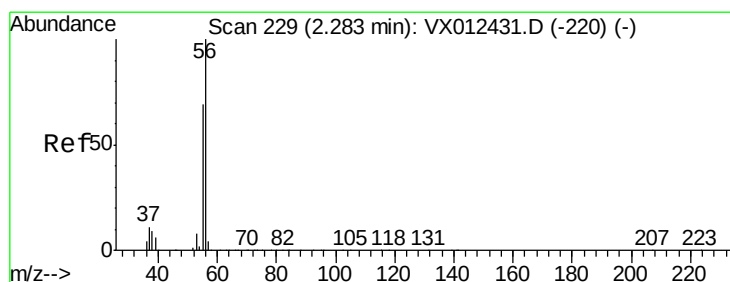
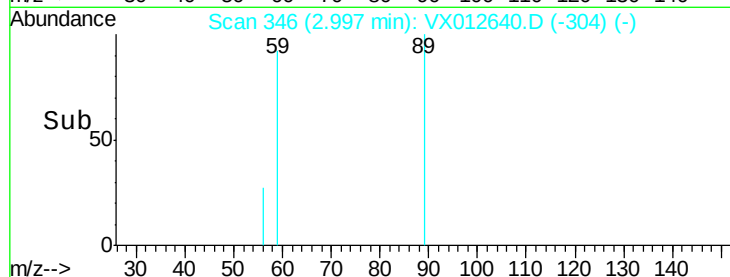
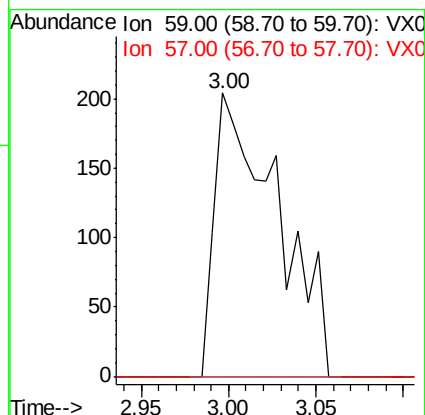
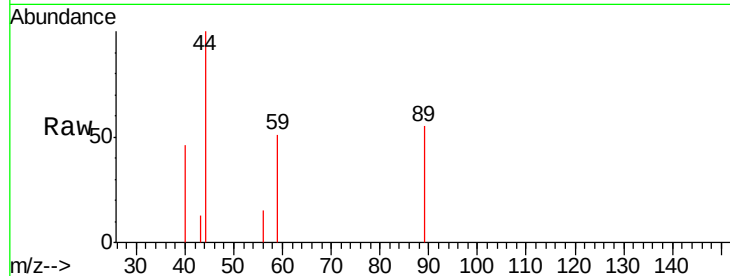


#11

Tert butyl alcohol
 Concen: 0.860 ug/l
 RT: 3.00 min Scan# 346
 Delta R.T. -0.04 min
 Lab File: VX012640.D
 Acq: 24 Sep 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW30S-GW

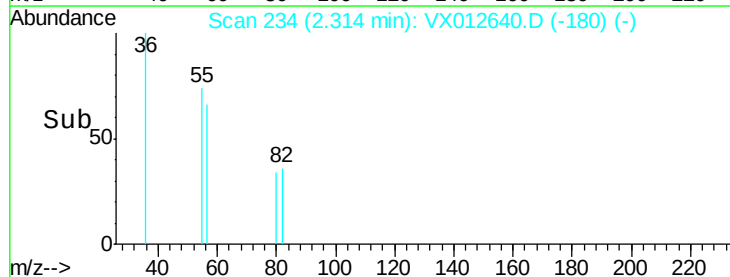
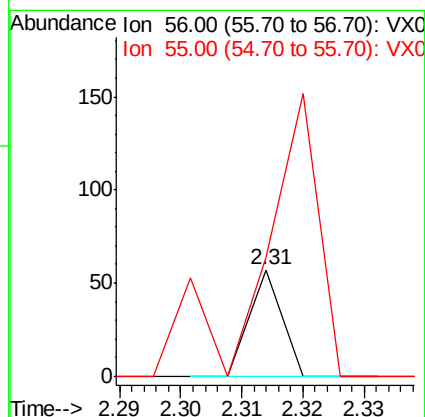
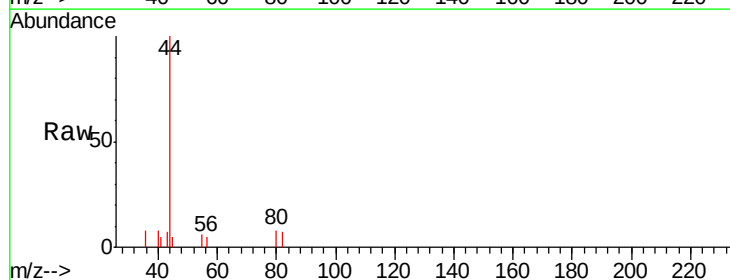
Tgt Ion: 59 Resp: 511
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

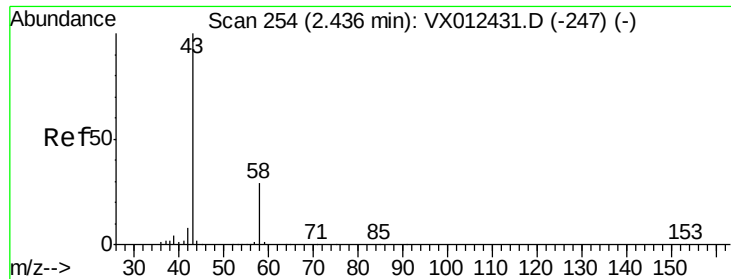


#13

Acrolein
 Concen: 10.294 ug/l
 RT: 2.31 min Scan# 234
 Delta R.T. 0.03 min
 Lab File: VX012640.D
 Acq: 24 Sep 2019 18:04

Tgt Ion: 56 Resp: 21
 Ion Ratio Lower Upper
 56 100
 55 466.7 55.8 83.8#





#16

Acetone

Concen: 5.486 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

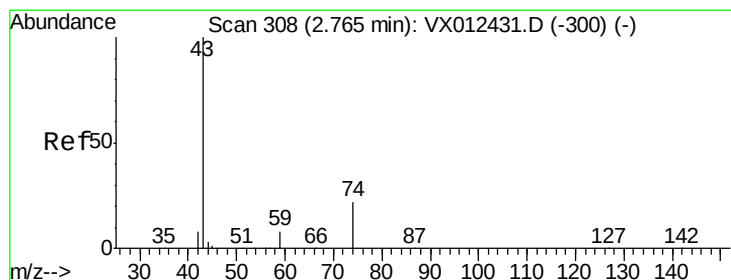
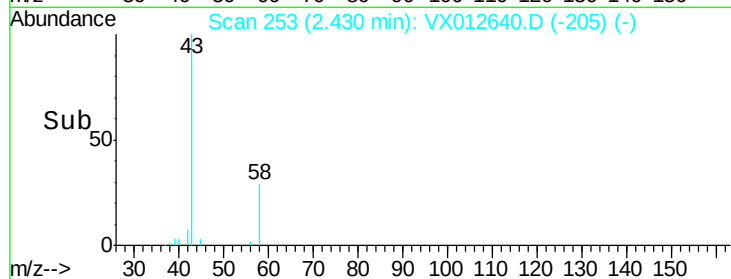
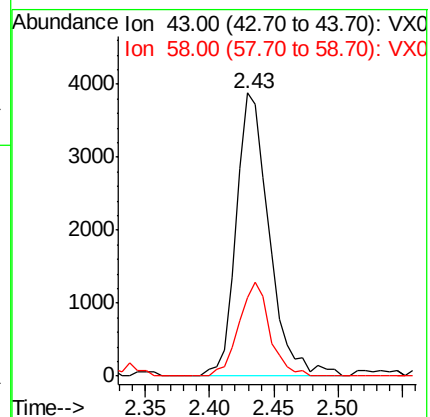
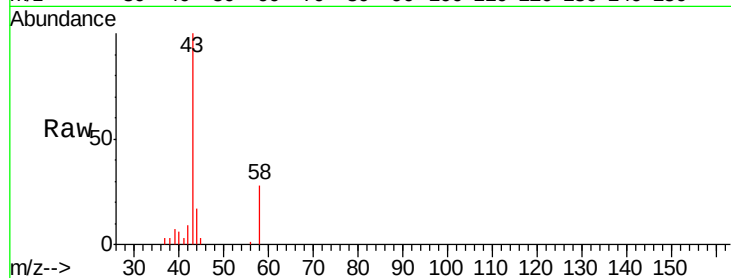
QNWP8-MW30S-GW

Tgt Ion: 43 Resp: 6908

Ion Ratio Lower Upper

43 100

58 27.6 23.3 34.9



#18

Methyl Acetate

Concen: 3.885 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012640.D

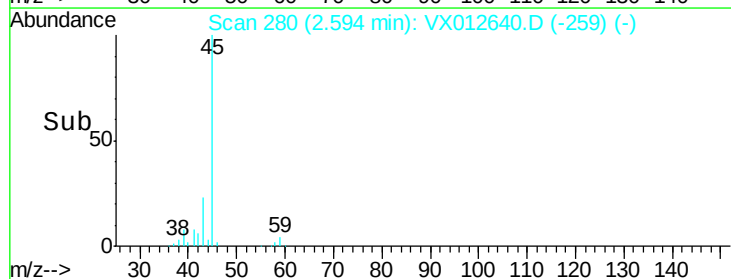
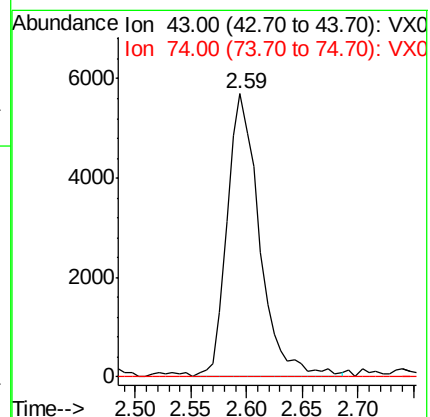
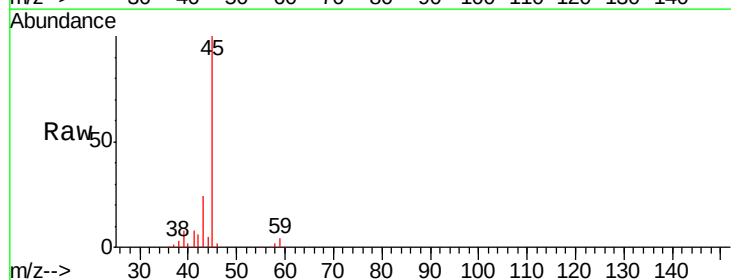
Acq: 24 Sep 2019 18:04

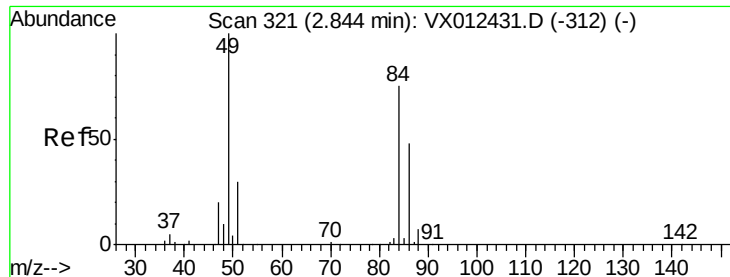
Tgt Ion: 43 Resp: 11518

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

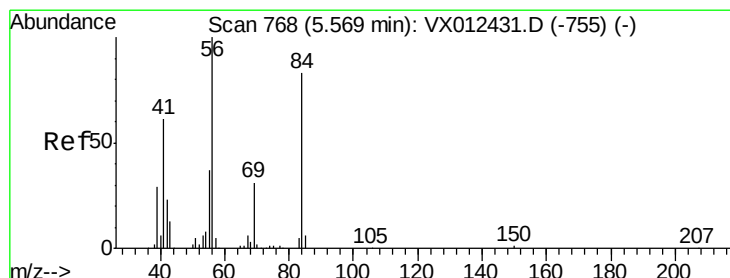
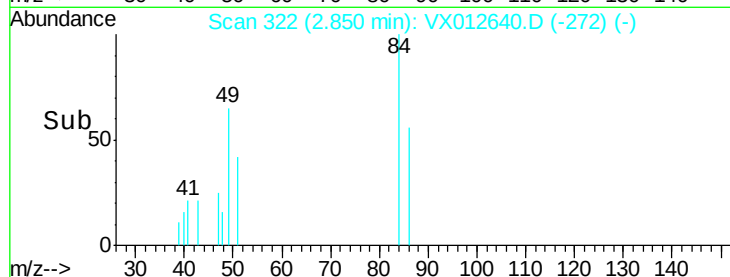
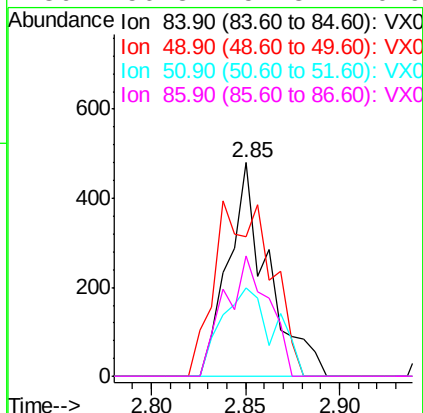
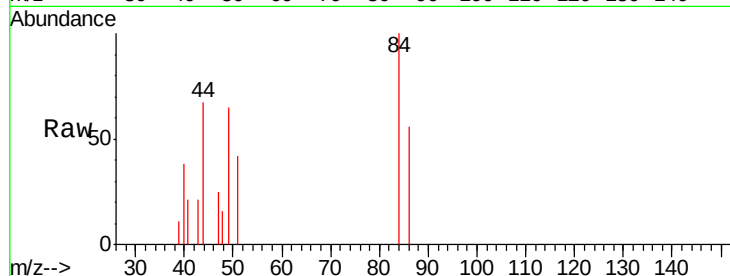




#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012640.D
Acq: 24 Sep 2019 18:04

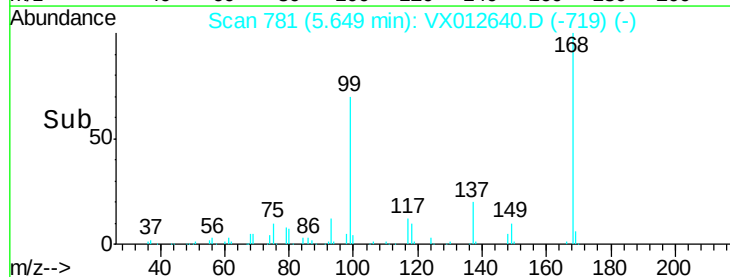
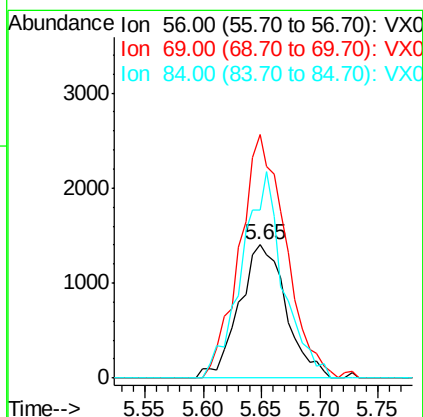
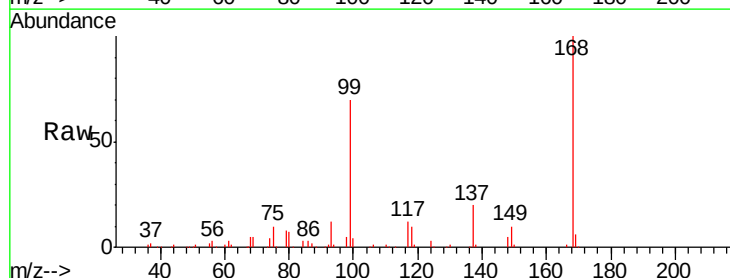
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW30S-GW

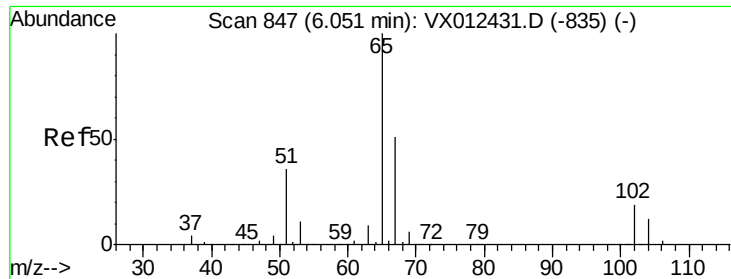
Tgt Ion: 84 Resp: 708
Ion Ratio Lower Upper
84 100
49 65.2 106.8 160.2#
51 41.7 32.3 48.5
86 56.3 51.3 76.9



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012640.D
Acq: 24 Sep 2019 18:04

Tgt Ion: 56 Resp: 3946
Ion Ratio Lower Upper
56 100
69 183.1 25.0 37.6#
84 126.8 66.4 99.6#

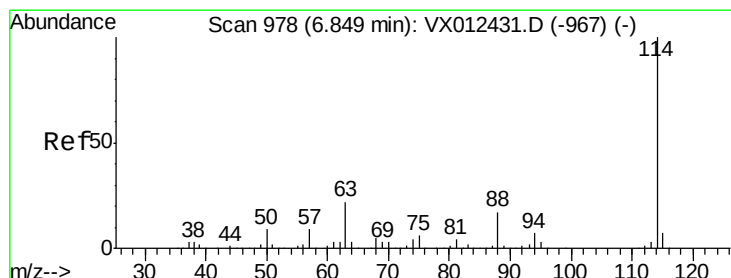
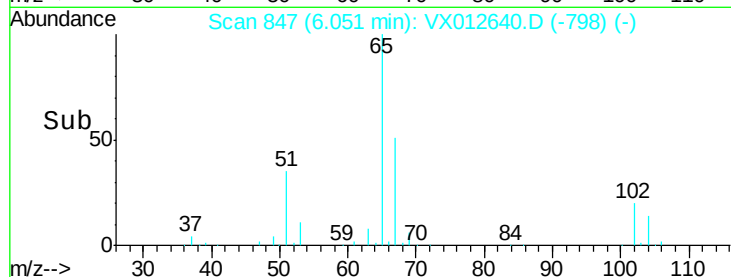
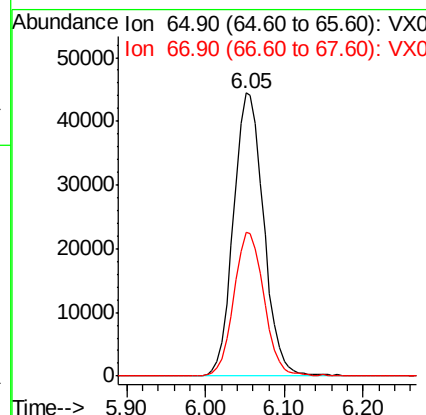
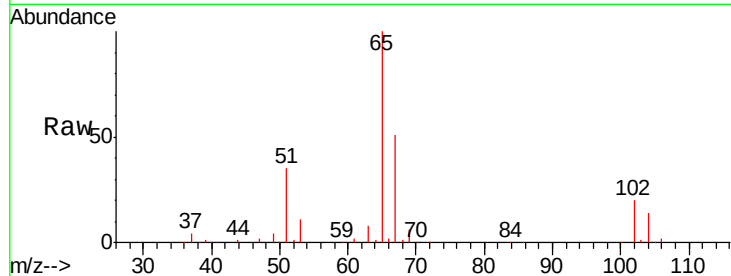




#33
 1,2-Dichloroethane-d4
 Concen: 49.845 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012640.D
 Acq: 24 Sep 2019 18:04

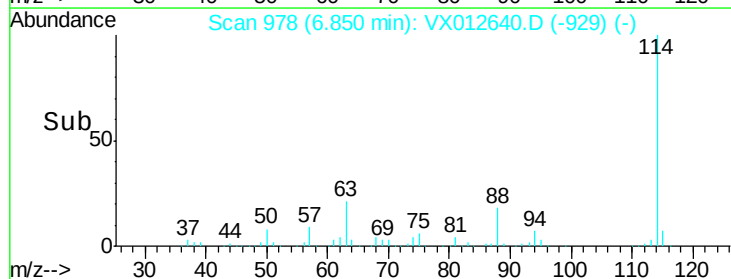
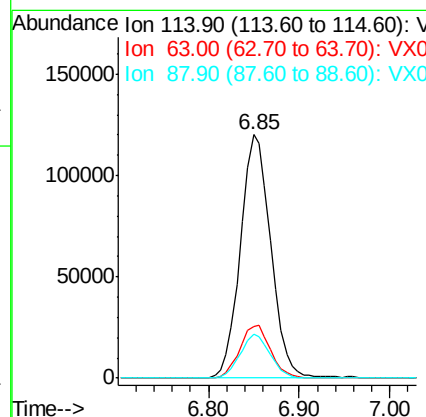
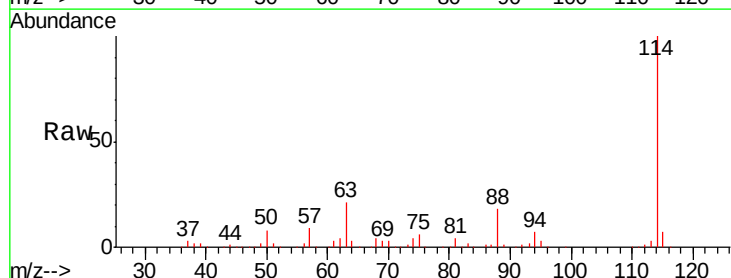
Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW30S-GW

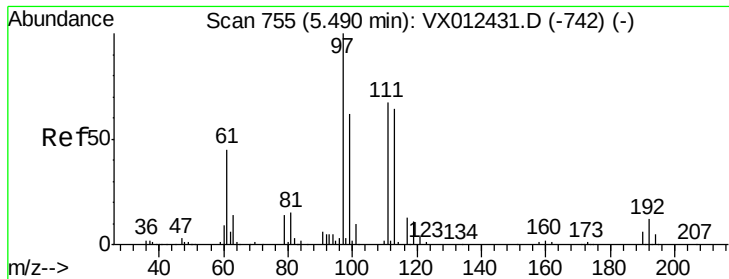
Tgt Ion: 65 Resp: 118497
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012640.D
 Acq: 24 Sep 2019 18:04

Tgt Ion: 114 Resp: 279700
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 17.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.974 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW30S-GW

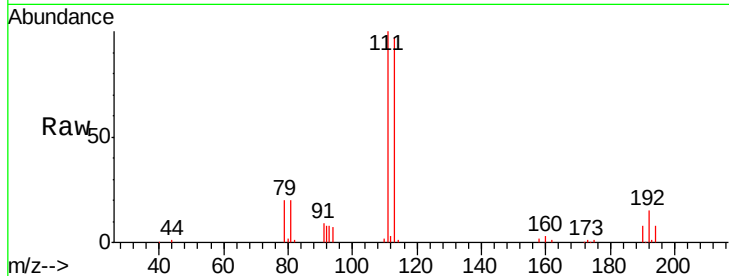
Tgt Ion:113 Resp: 84909

Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.2

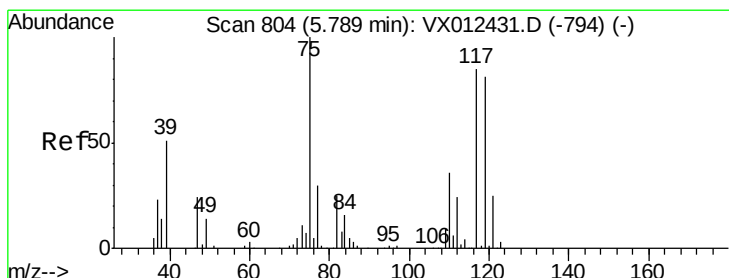
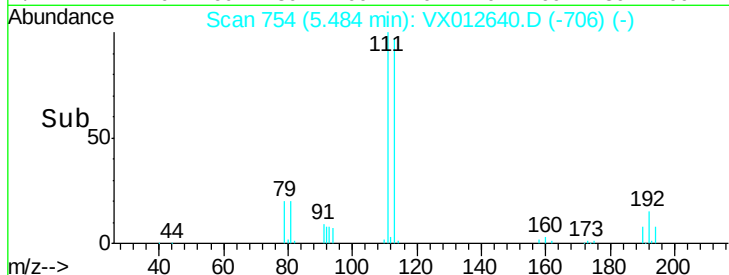
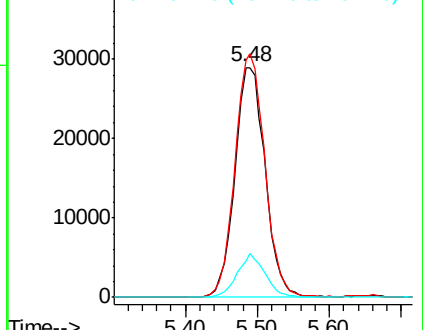
192 17.2 14.4 21.6



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: 5.533 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

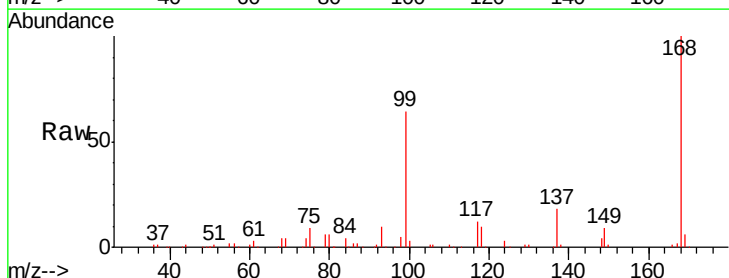
Tgt Ion: 75 Resp: 14918

Ion Ratio Lower Upper

75 100

110 8.0 16.7 50.0#

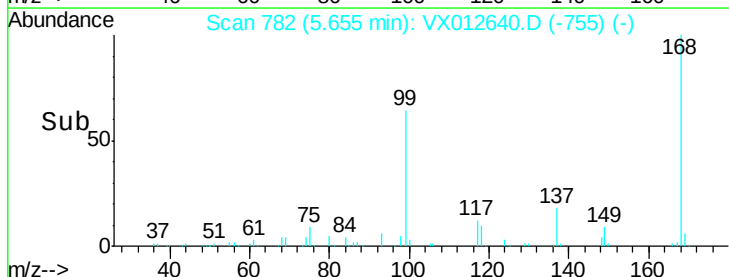
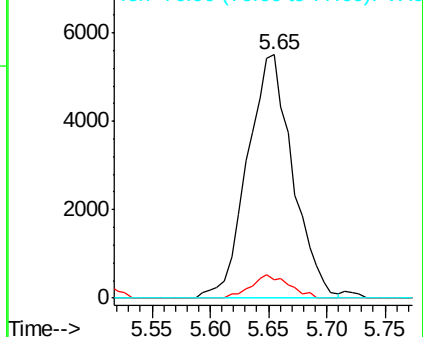
77 0.0 24.2 36.2#

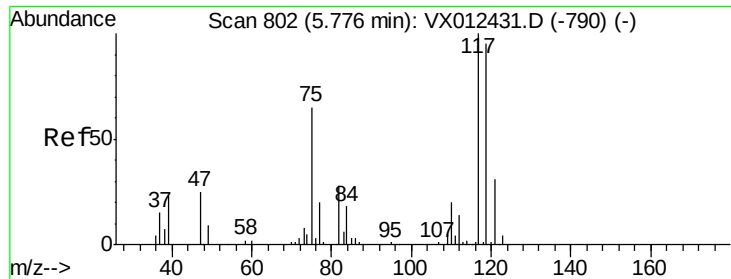


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.762 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW30S-GW

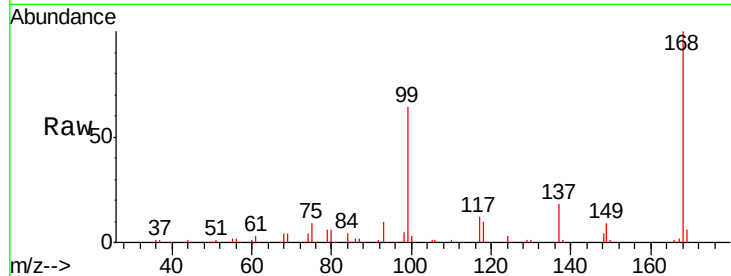
Tgt Ion:117 Resp: 18519

Ion Ratio Lower Upper

117 100

119 3.9 75.7 113.5#

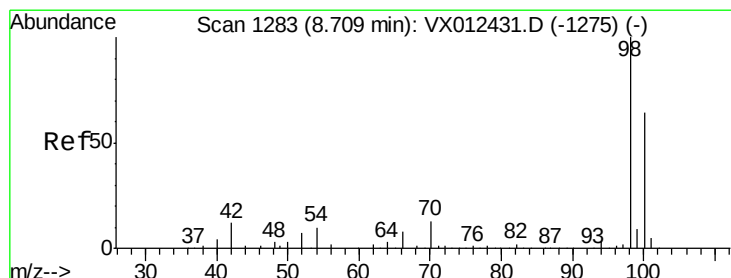
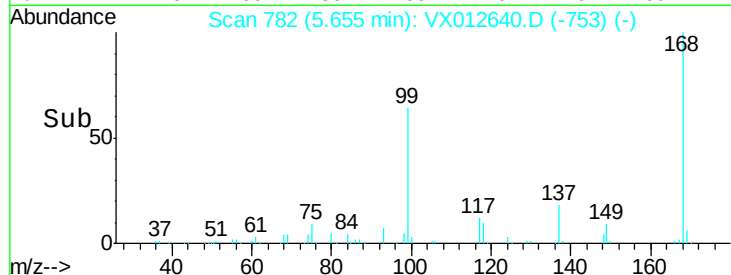
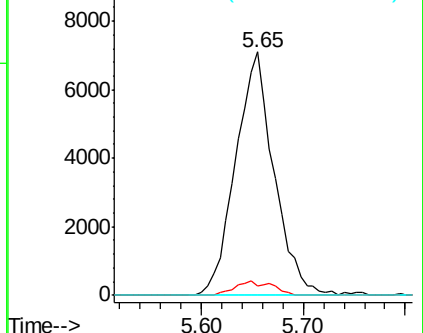
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 51.062 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012640.D

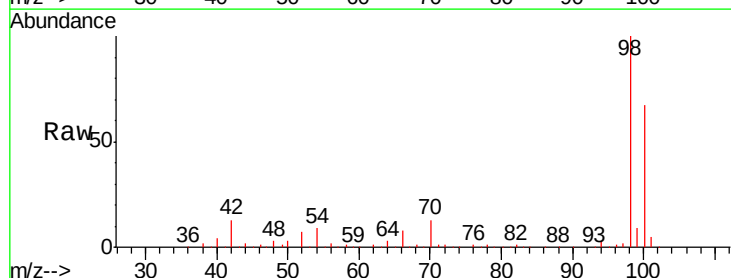
Acq: 24 Sep 2019 18:04

Tgt Ion: 98 Resp: 327552

Ion Ratio Lower Upper

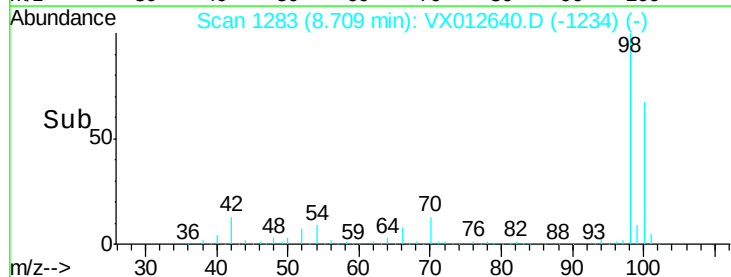
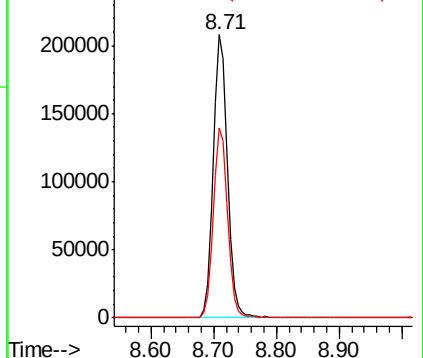
98 100

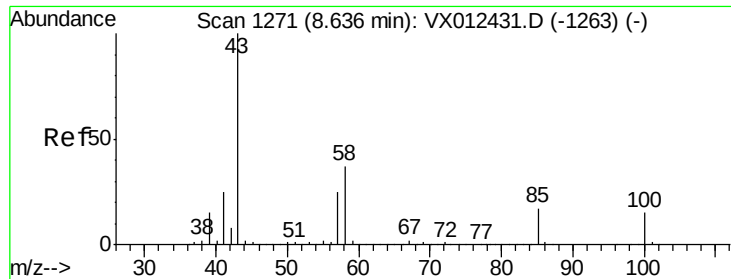
100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.499 ug/l

RT: 8.72 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

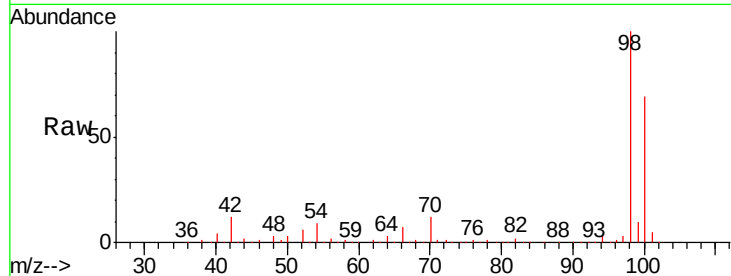
QNWP8-MW30S-GW

Tgt Ion: 43 Resp: 1624

Ion Ratio Lower Upper

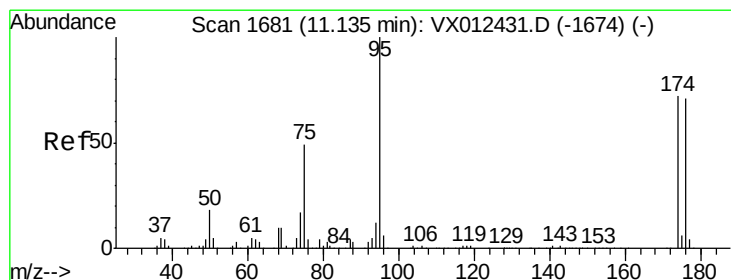
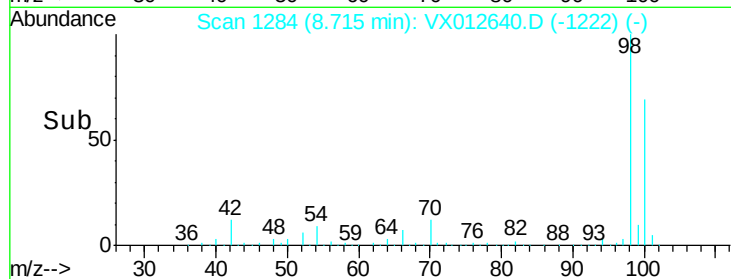
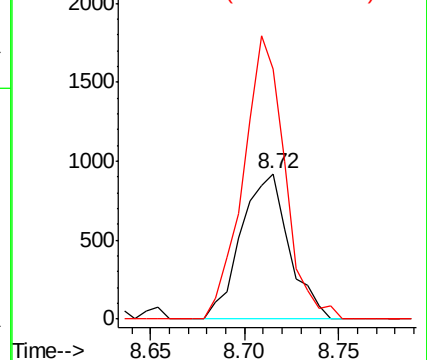
43 100

58 168.7 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 42.615 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

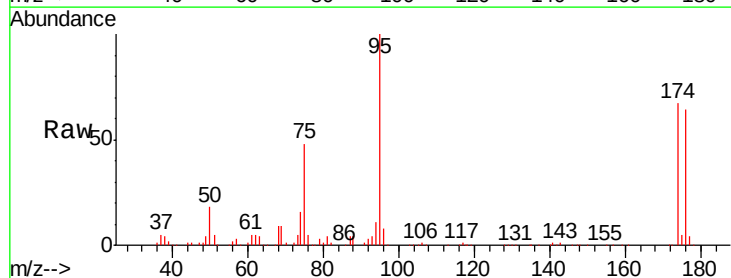
Tgt Ion: 95 Resp: 107490

Ion Ratio Lower Upper

95 100

174 64.8 0.0 140.0

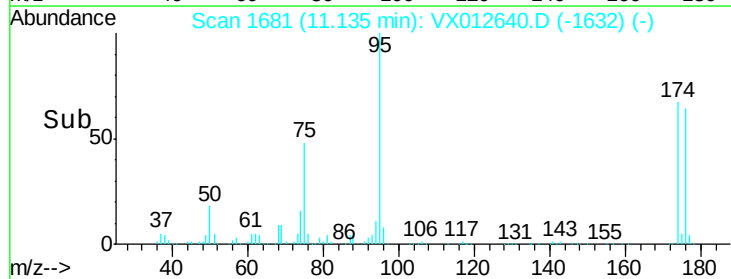
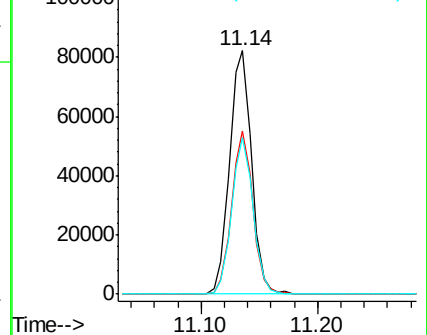
176 62.7 0.0 135.4

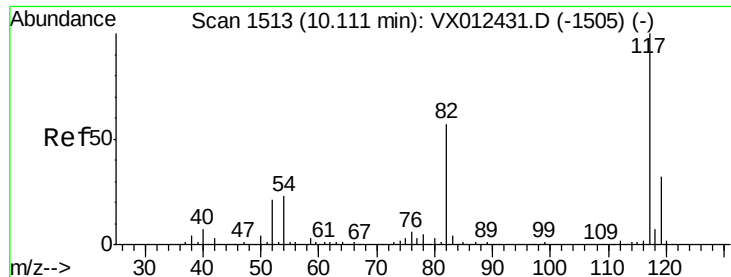


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

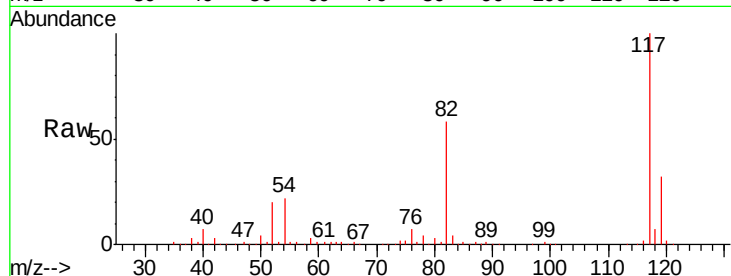




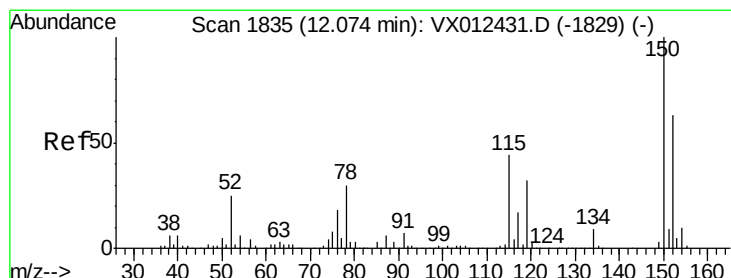
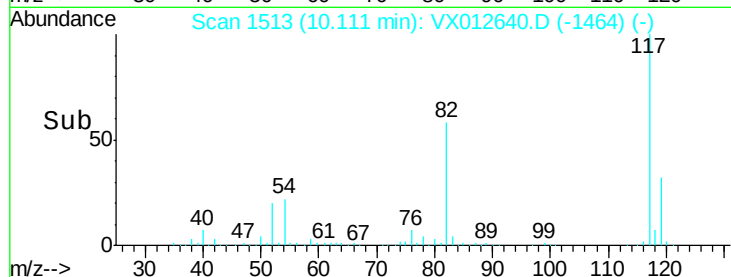
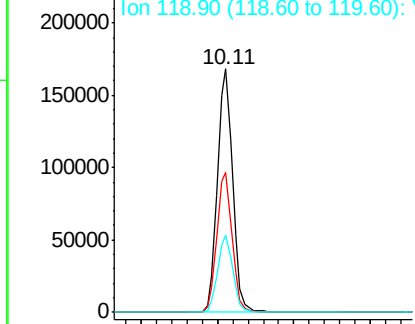
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012640.D
Acq: 24 Sep 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW30S-GW

Tgt Ion:117 Resp: 232257
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 31.9 25.3 37.9

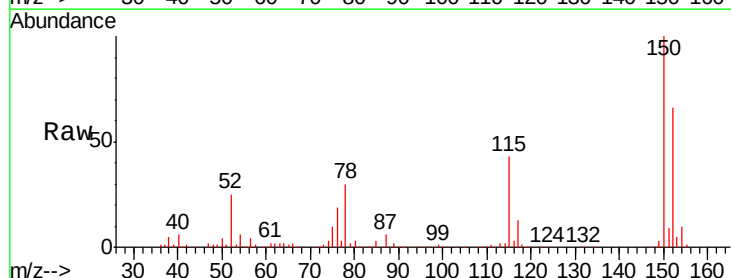


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

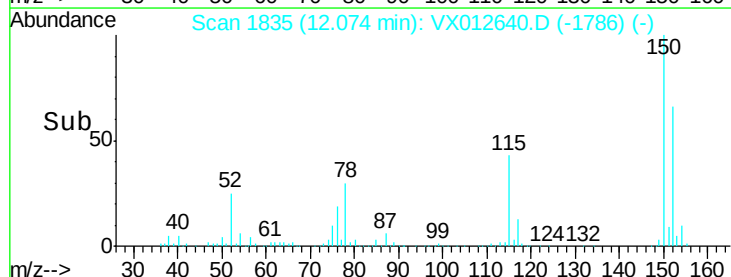
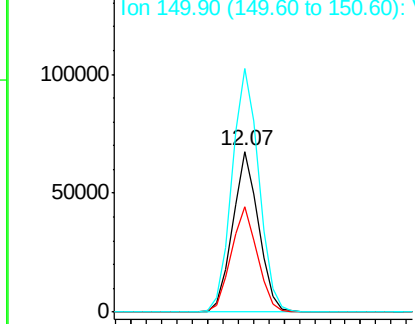


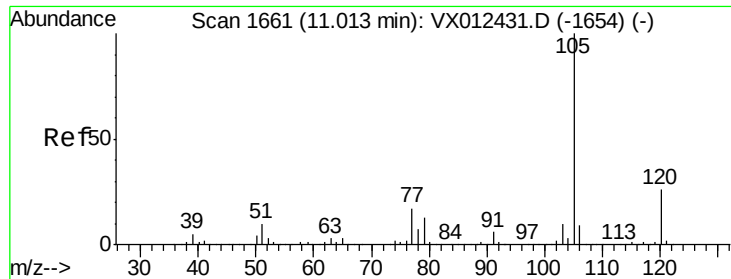
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012640.D
Acq: 24 Sep 2019 18:04

Tgt Ion:152 Resp: 79190
Ion Ratio Lower Upper
152 100
115 66.8 44.1 132.3
150 157.9 0.0 343.8



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





#73

Isopropylbenzene

Concen: 0.787 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

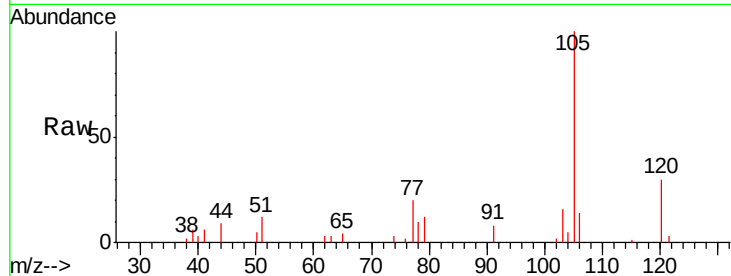
QNWP8-MW30S-GW

Tgt Ion: 105 Resp: 5077

Ion Ratio Lower Upper

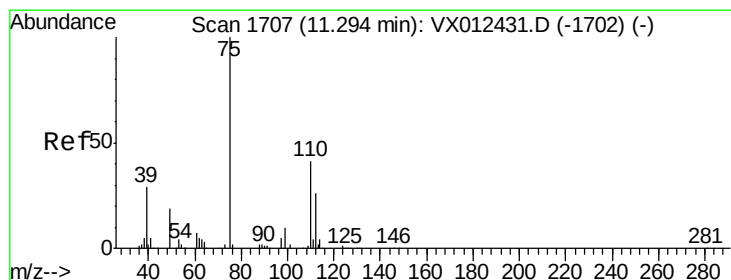
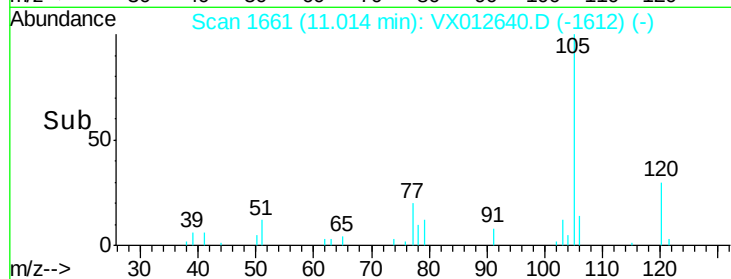
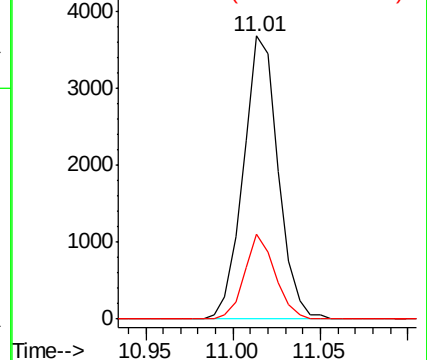
105 100

120 26.2 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 26.249 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012640.D

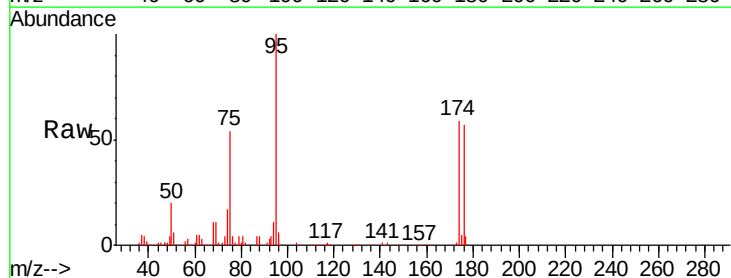
Acq: 24 Sep 2019 18:04

Tgt Ion: 75 Resp: 54986

Ion Ratio Lower Upper

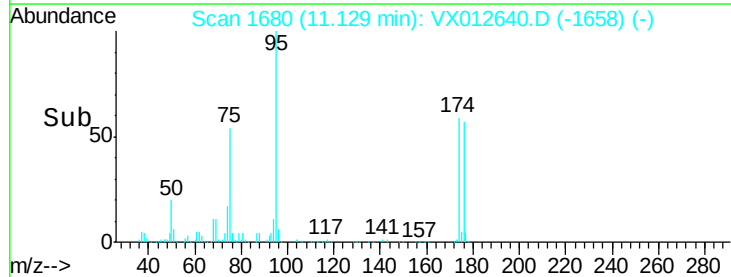
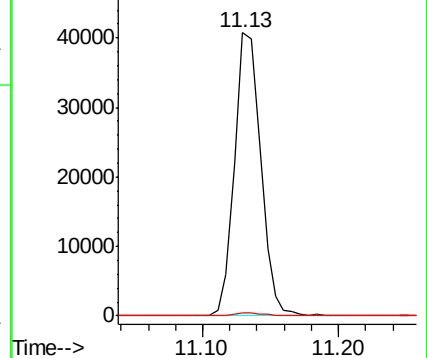
75 100

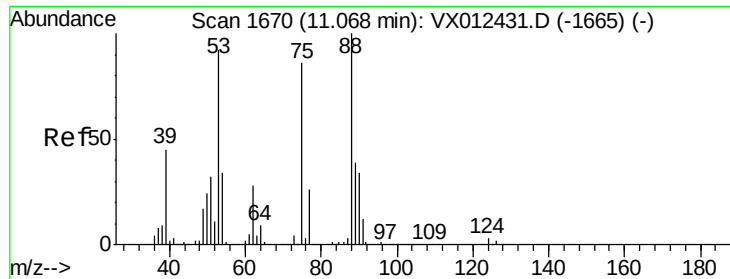
77 1.3 19.7 59.0#



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: 75.224 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW30S-GW

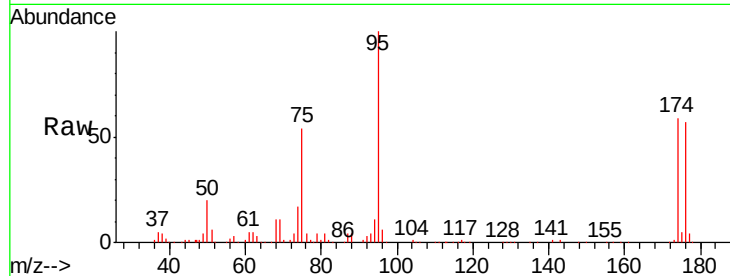
Tgt Ion: 75 Resp: 54986

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

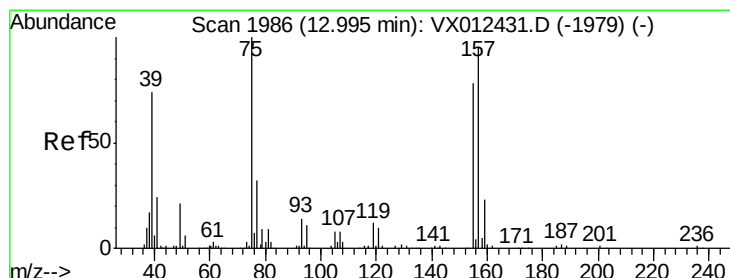
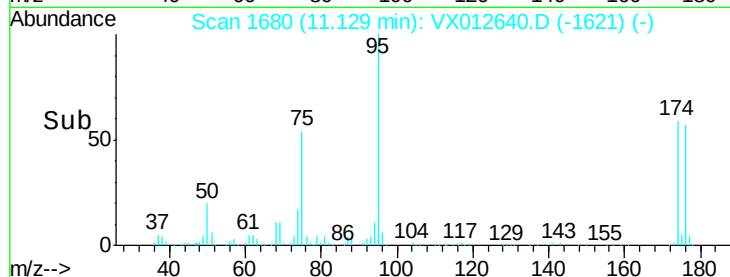
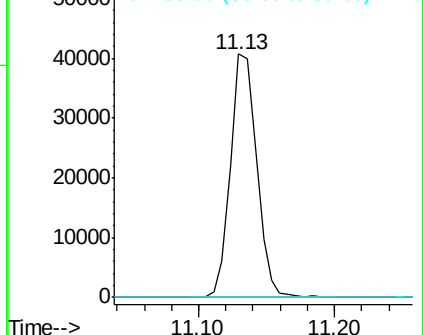
89 0.0 36.3 54.5#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.488 ug/l

RT: 12.94 min Scan# 1977

Delta R.T. -0.05 min

Lab File: VX012640.D

Acq: 24 Sep 2019 18:04

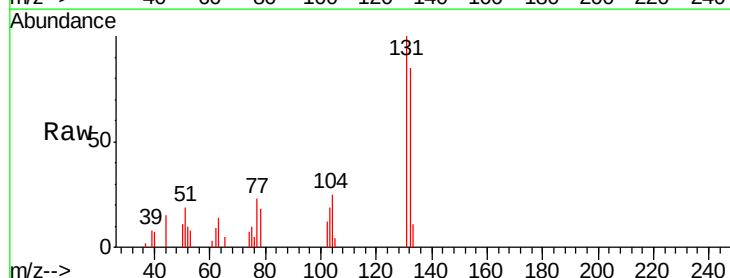
Tgt Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.8#

157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

