

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012639.D
 Acq On : 24 Sep 2019 17:40
 Operator : JC/SP
 Sample : K5019-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-EQUIP.BLANK

Quant Time: Sep 25 04:38:32 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	165636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91708	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	120777	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
35) Dibromofluoromethane	5.49	113	87370	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
50) Toluene-d8	8.71	98	337501	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.14	95	114489	44.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.86%	

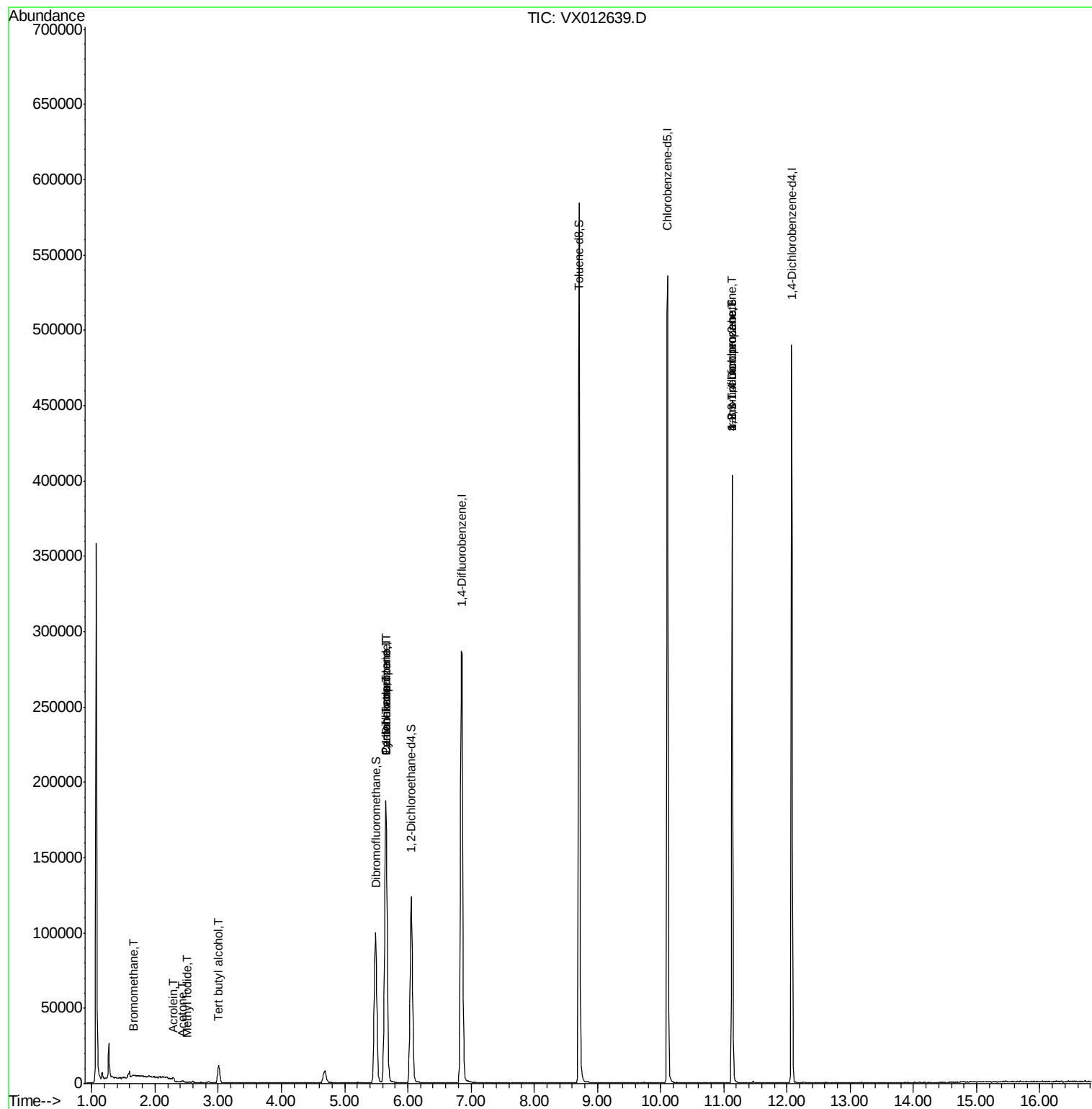
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	277	0.331	ug/l	89
10) Methyl Iodide	2.50	142	31	4.968	ug/l #	35
11) Tert butyl alcohol	3.01	59	7407	12.293	ug/l #	75
13) Acrolein	2.28	56	44	10.359	ug/l #	15
16) Acetone	2.43	43	1202	0.941	ug/l	90
31) Cyclohexane	5.65	56	4217	1.256	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15176	5.572	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19030	6.878	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	60060	24.758	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	60060	70.950	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012639.D

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Instrument :

MSVOA_X

ClientSampleId :

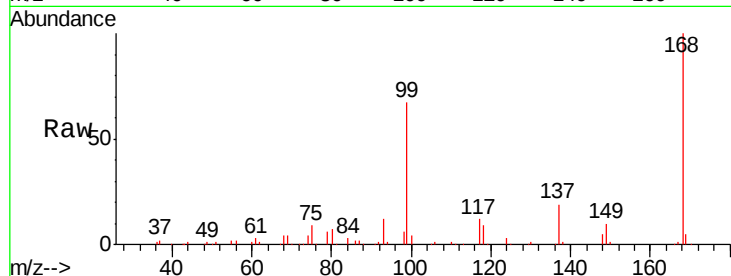
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Tgt Ion: 168 Resp: 165636

Ion Ratio Lower Upper

168 100

99 66.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

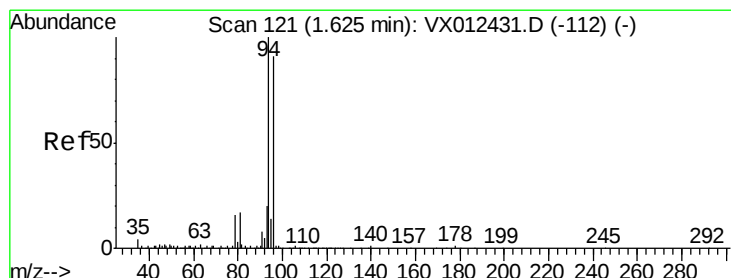
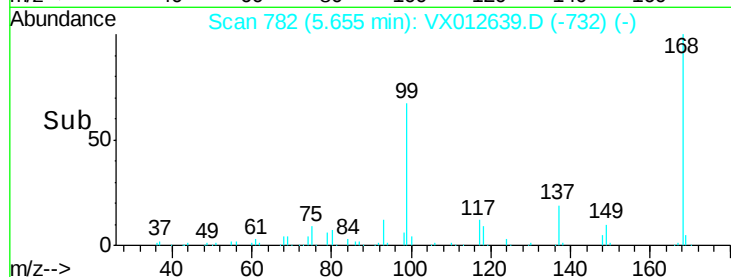
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.331 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012639.D

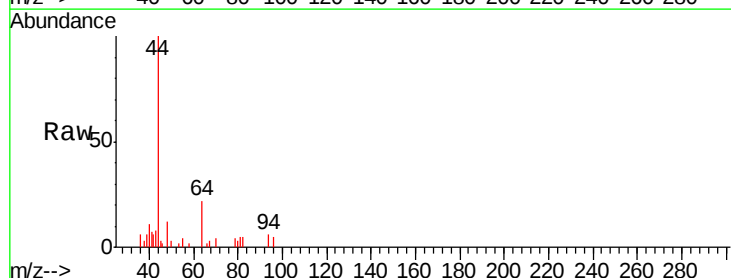
Acq: 24 Sep 2019 17:40

Tgt Ion: 94 Resp: 277

Ion Ratio Lower Upper

94 100

96 81.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

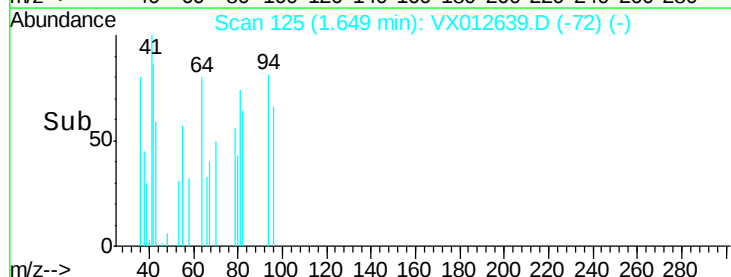
150

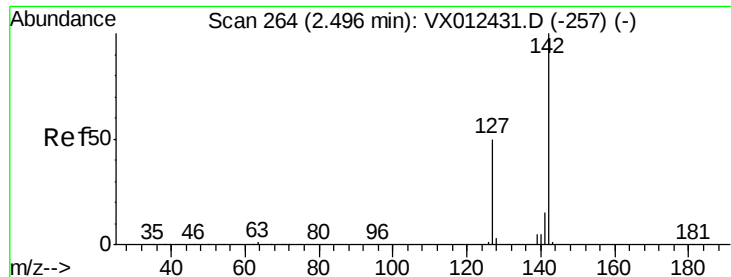
100

50

0

Time-->





#10

Methyl Iodide

Concen: 4.968 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012639.D

Acq: 24 Sep 2019 17:40

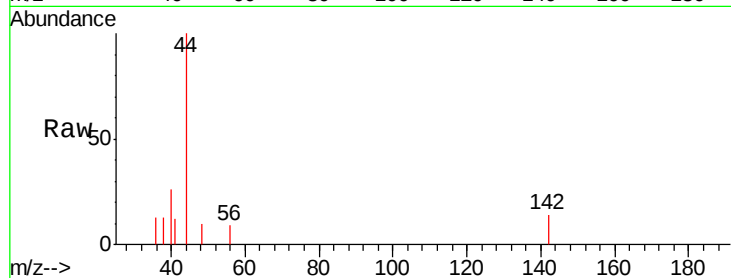
Instrument :

MSVOA_X

ClientSampleId :

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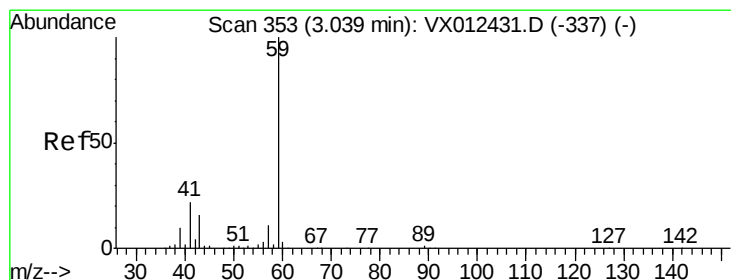
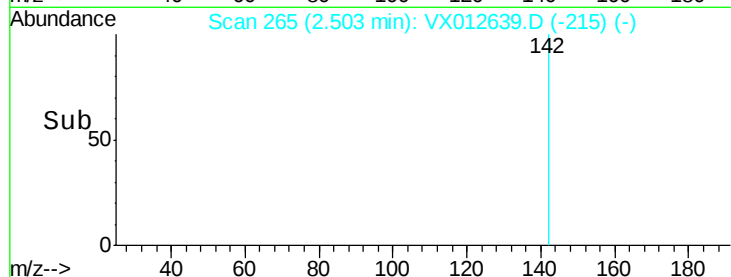
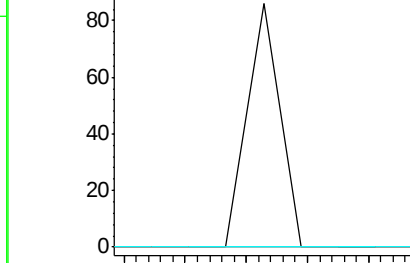
Tgt Ion:	142	Resp:	31
Ion	Ratio	Lower	Upper
142	100		
127	0.0	40.8	61.2#
141	0.0	12.1	18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 12.293 ug/l

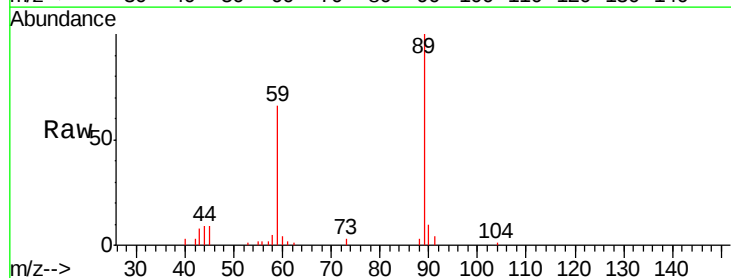
RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX012639.D

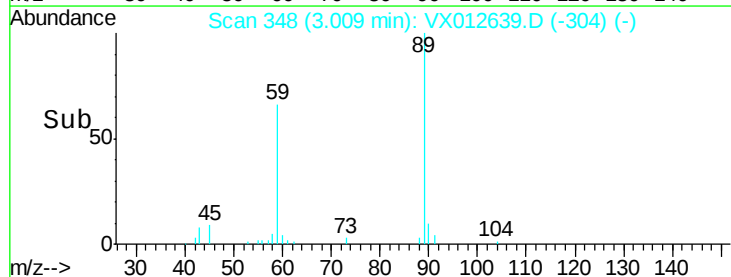
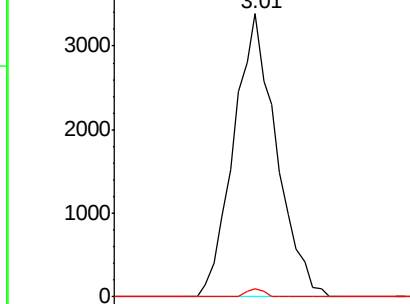
Acq: 24 Sep 2019 17:40

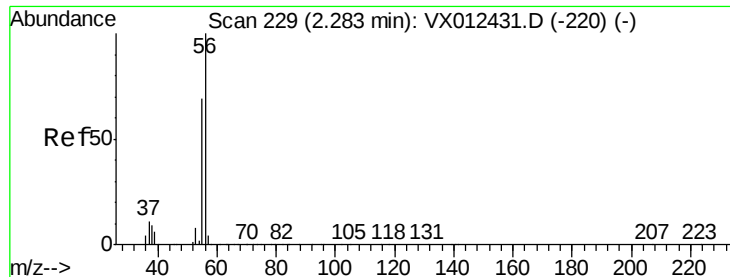
Tgt Ion:	59	Resp:	7407
Ion	Ratio	Lower	Upper
59	100		
57	1.1	8.3	12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.359 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012639.D

Acq: 24 Sep 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

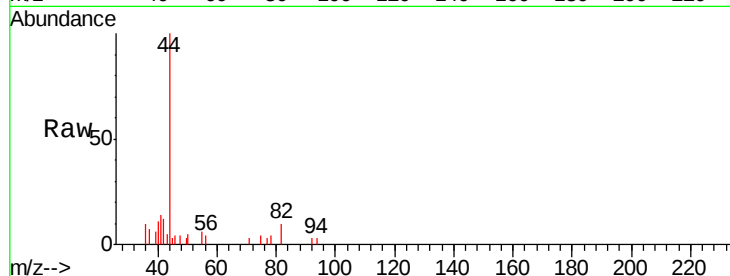
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Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

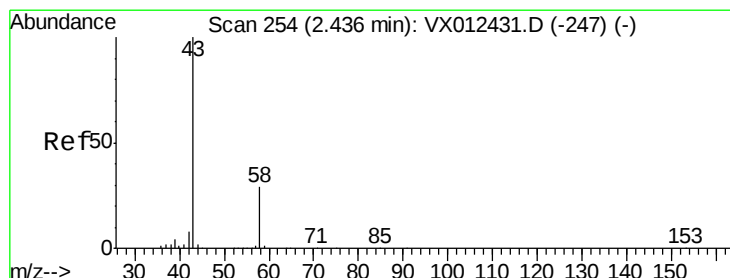
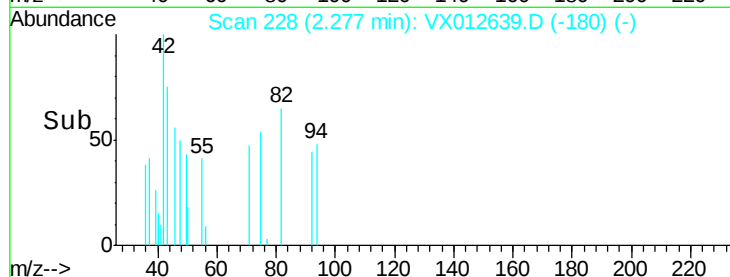
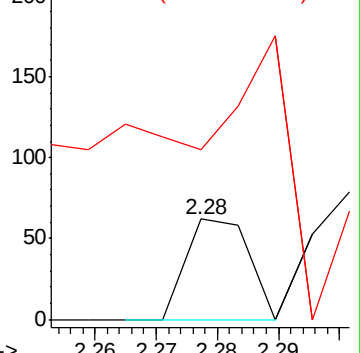
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.941 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012639.D

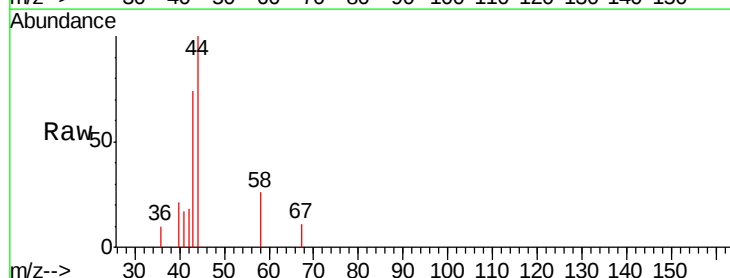
Acq: 24 Sep 2019 17:40

Tgt Ion: 43 Resp: 1202

Ion Ratio Lower Upper

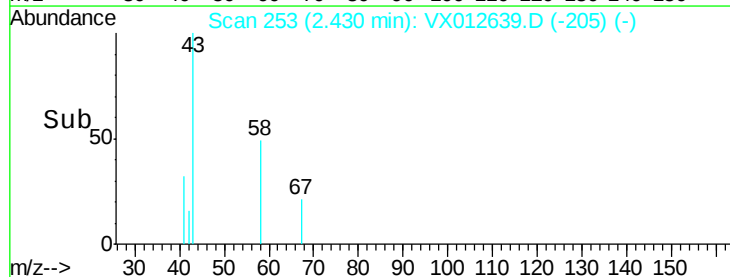
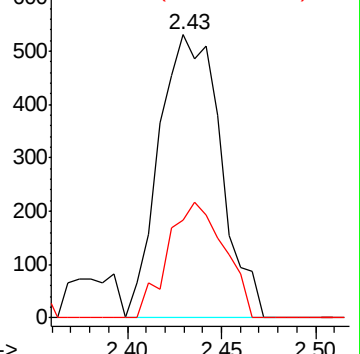
43 100

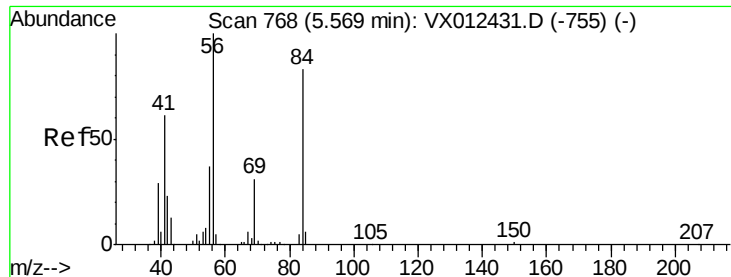
58 34.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

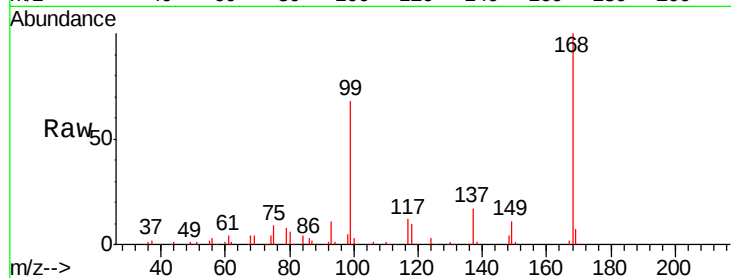




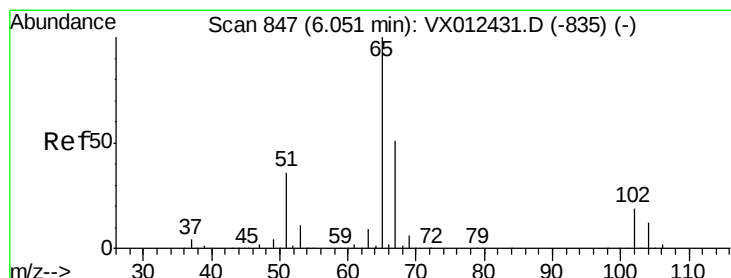
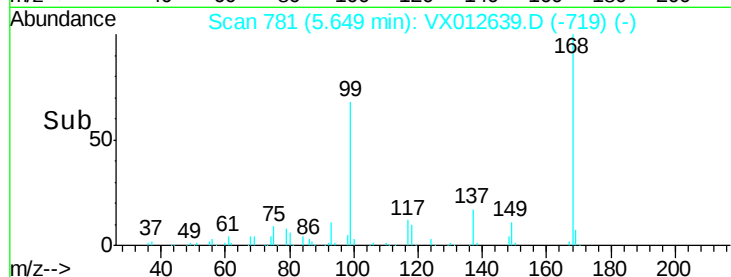
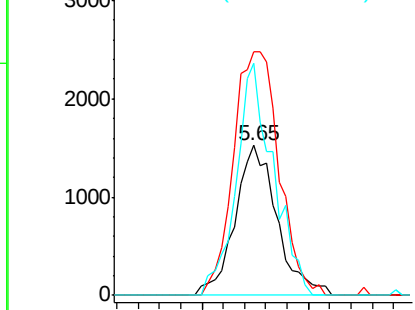
#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012639.D
Acq: 24 Sep 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-EQUIP.BLANK

Tgt Ion: 56 Resp: 4217
Ion Ratio Lower Upper
56 100
69 162.2 25.0 37.6#
84 154.8 66.4 99.6#

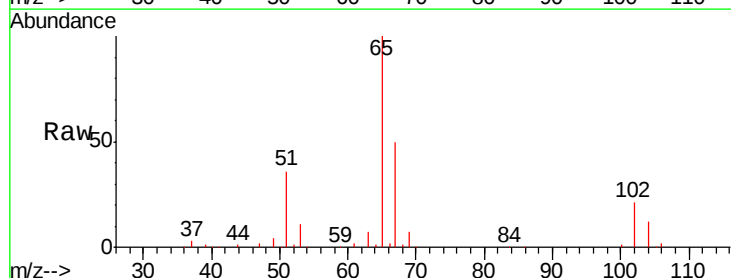


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

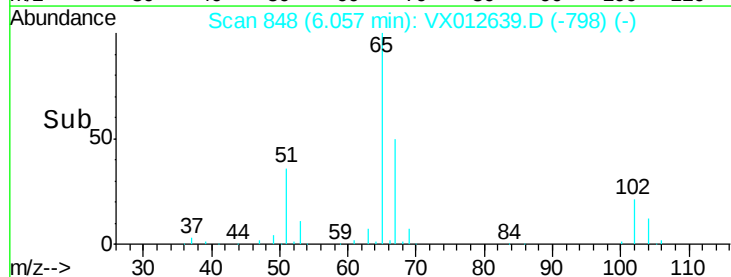
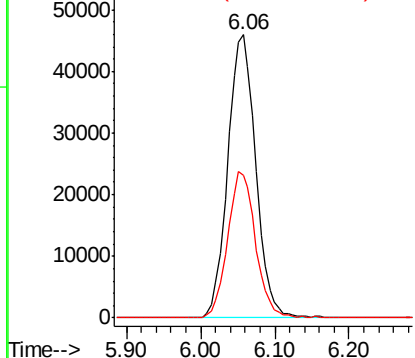


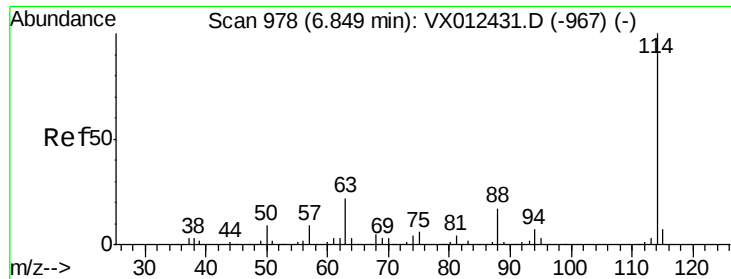
#33
1,2-Dichloroethane-d4
Concen: 50.074 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX012639.D
Acq: 24 Sep 2019 17:40

Tgt Ion: 65 Resp: 120777
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.2



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

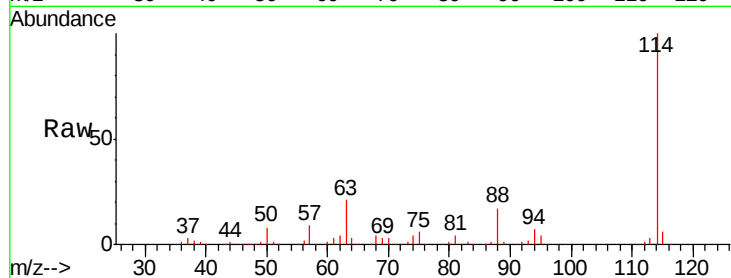




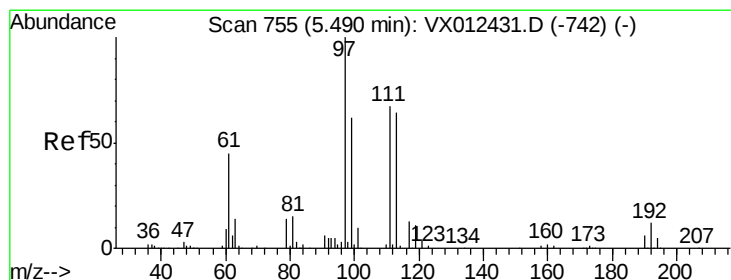
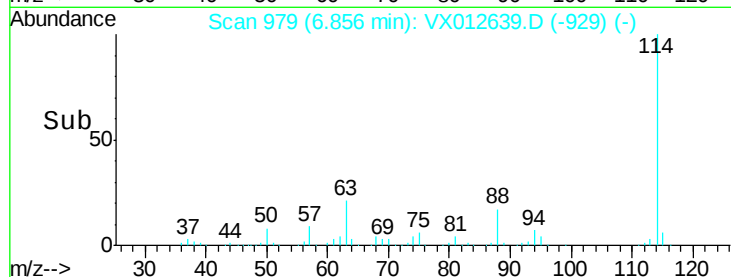
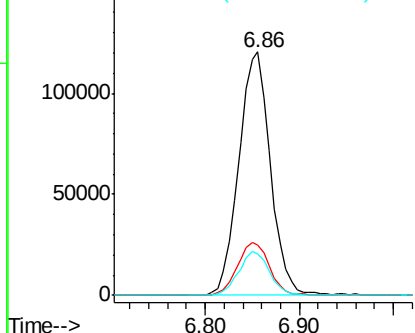
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012639.D
 Acq: 24 Sep 2019 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-EQUIP.BLANK

Tgt Ion:114 Resp: 282586
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 17.2 0.0 33.2

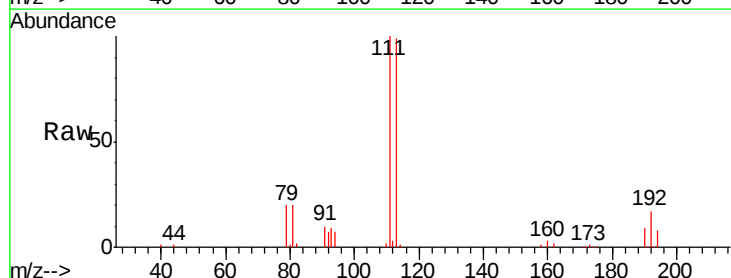


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

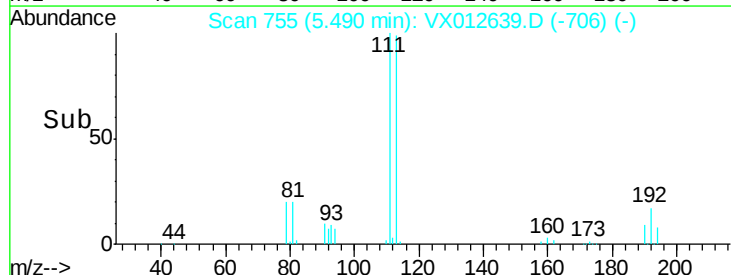
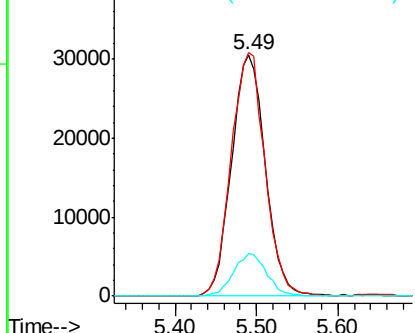


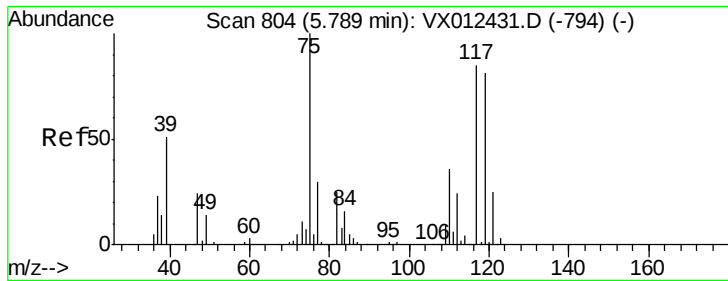
#35
 Dibromofluoromethane
 Concen: 51.916 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012639.D
 Acq: 24 Sep 2019 17:40

Tgt Ion:113 Resp: 87370
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.4 125.2
 192 17.3 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: 5.572 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012639.D

Acq: 24 Sep 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-EQUIP.BLANK

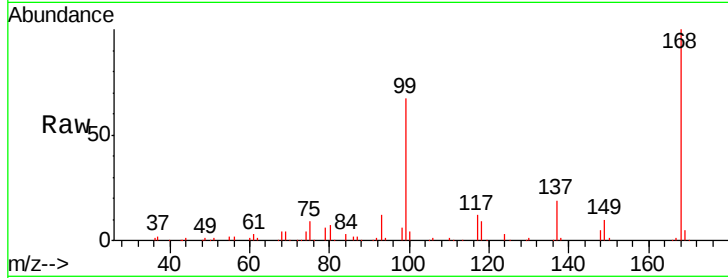
Tgt Ion: 75 Resp: 15176

Ion Ratio Lower Upper

75 100

110 9.9 16.7 50.0#

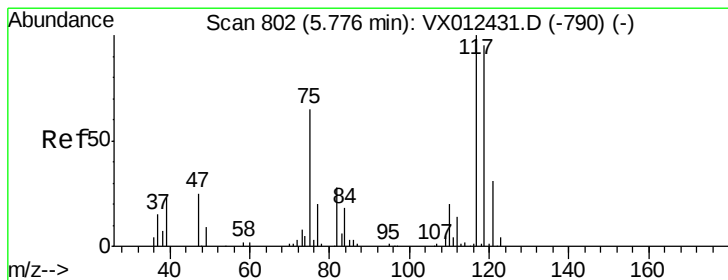
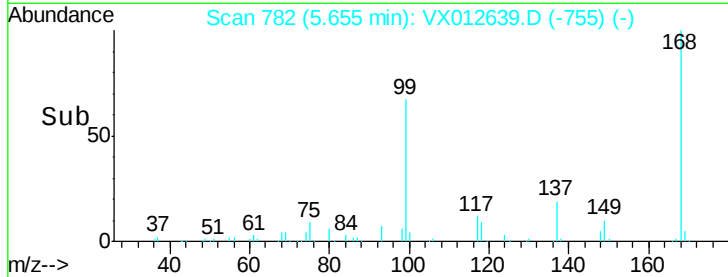
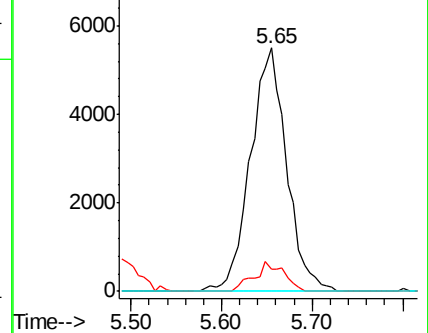
77 0.0 24.2 36.2#



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: 6.878 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012639.D

Acq: 24 Sep 2019 17:40

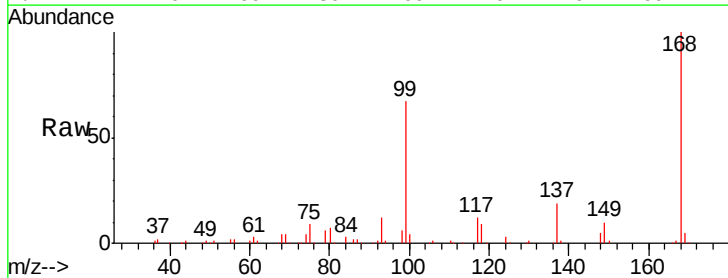
Tgt Ion: 117 Resp: 19030

Ion Ratio Lower Upper

117 100

119 3.1 75.7 113.5#

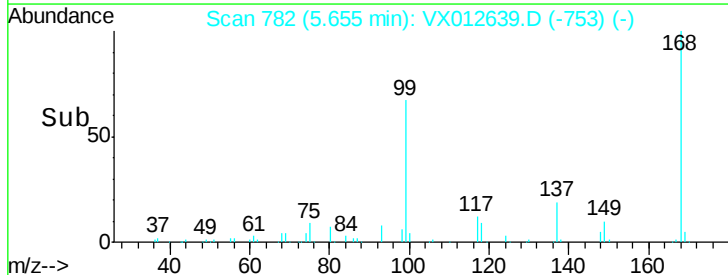
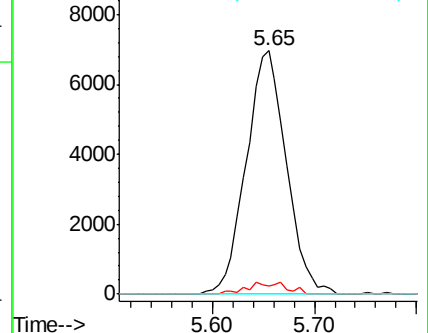
121 0.0 24.2 36.4#

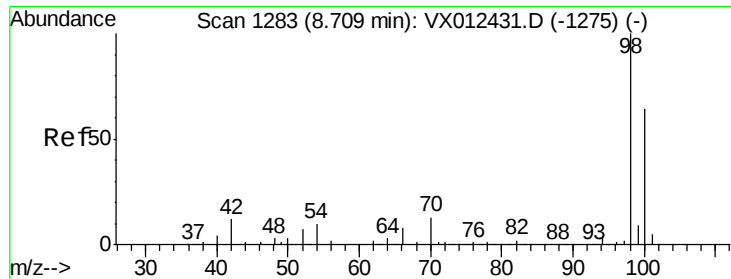


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.075 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012639.D

Acq: 24 Sep 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

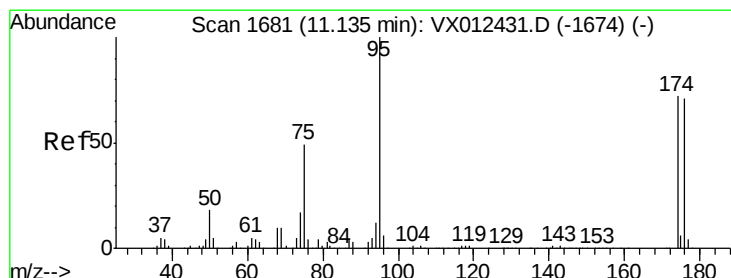
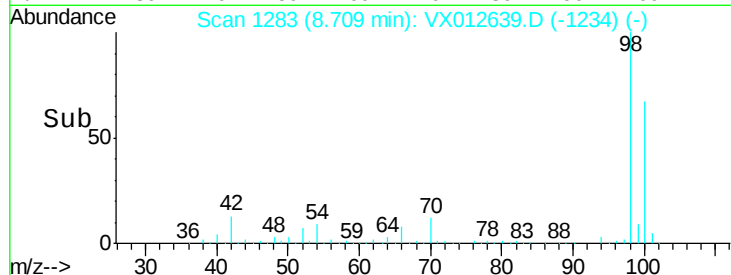
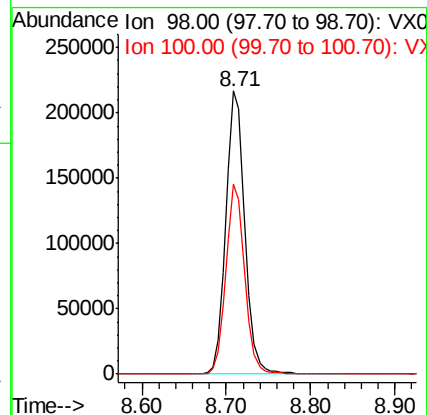
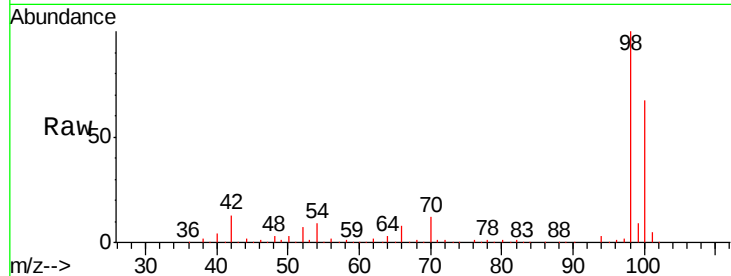
QNWP8-EQUIP.BLANK

Tgt Ion: 98 Resp: 337501

Ion Ratio Lower Upper

98 100

100 66.5 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 44.926 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012639.D

Acq: 24 Sep 2019 17:40

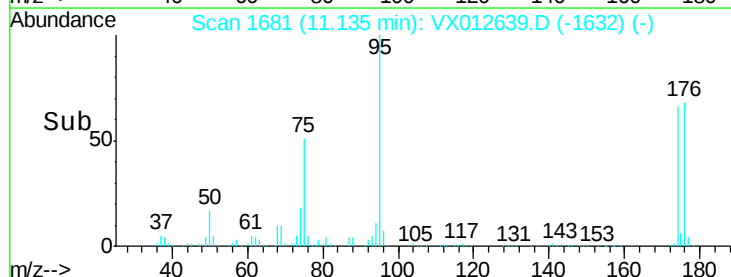
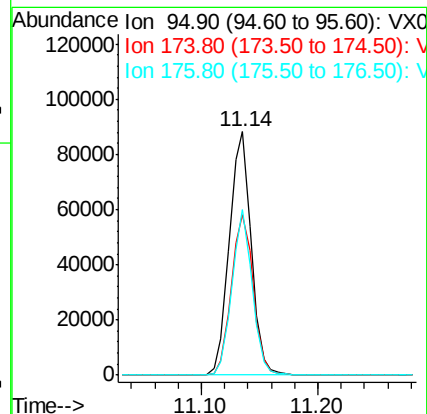
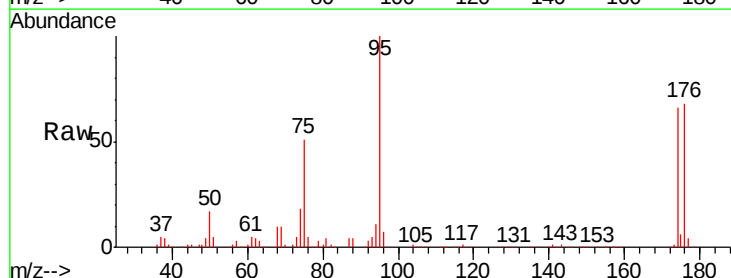
Tgt Ion: 95 Resp: 114489

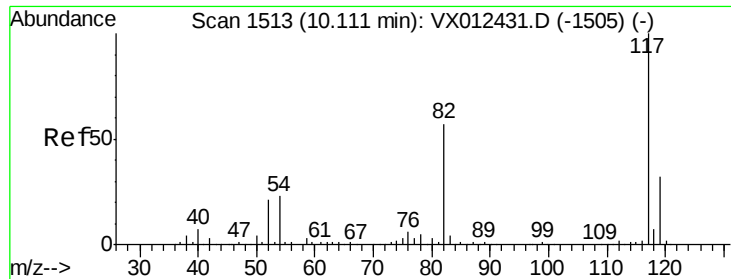
Ion Ratio Lower Upper

95 100

174 66.4 0.0 140.0

176 63.6 0.0 135.4

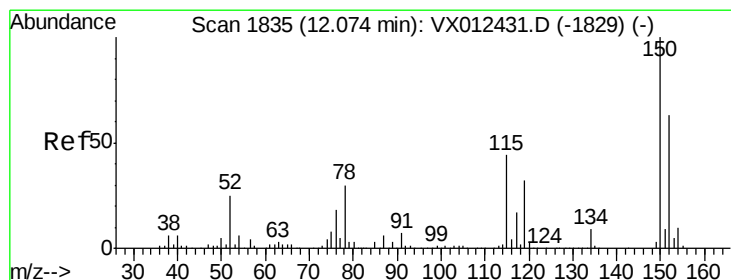
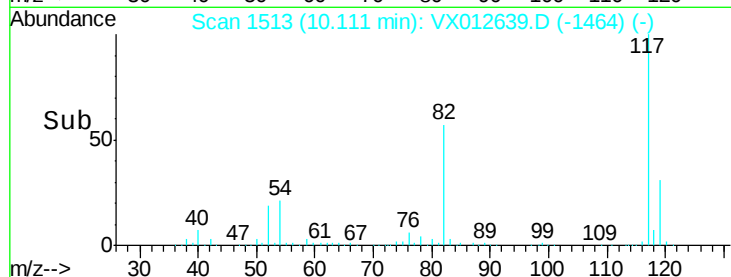
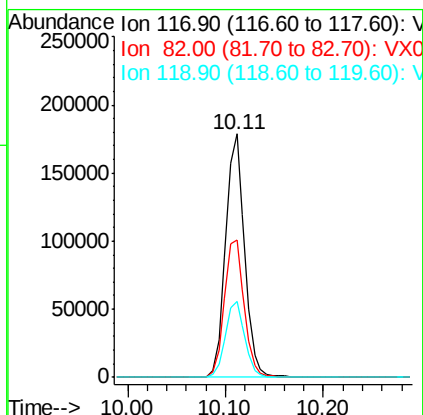
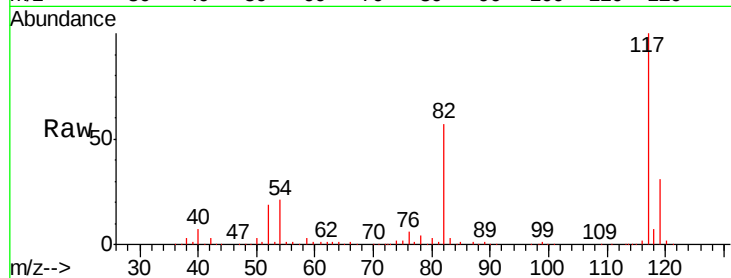




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012639.D
Acq: 24 Sep 2019 17:40

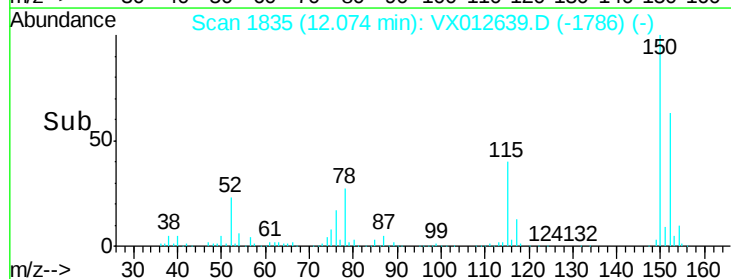
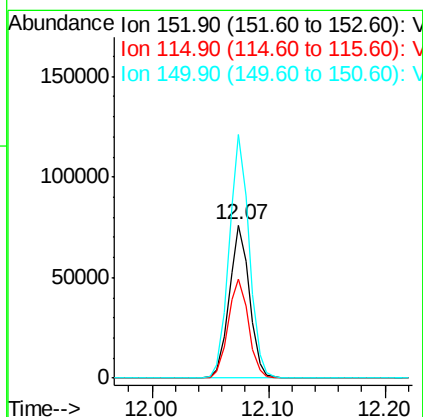
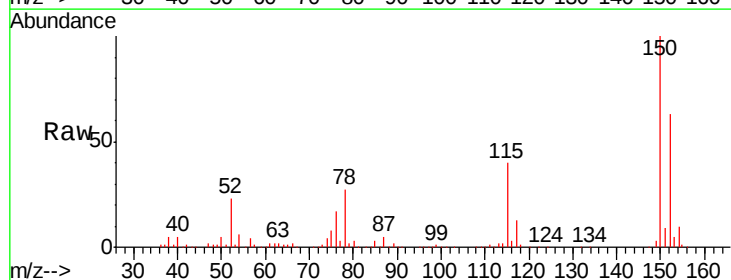
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-EQUIP.BLANK

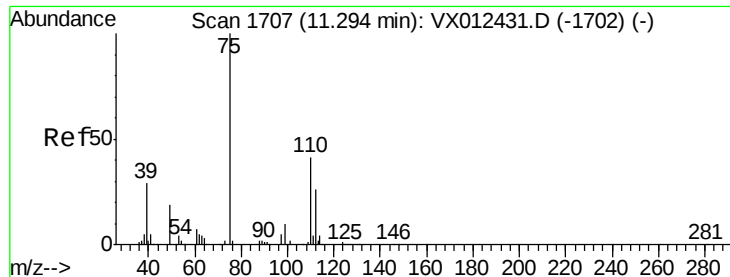
Tgt Ion:117 Resp: 240642
Ion Ratio Lower Upper
117 100
82 56.6 45.9 68.9
119 31.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012639.D
Acq: 24 Sep 2019 17:40

Tgt Ion:152 Resp: 91708
Ion Ratio Lower Upper
152 100
115 65.2 44.1 132.3
150 157.5 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 24.758 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012639.D

Acq: 24 Sep 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

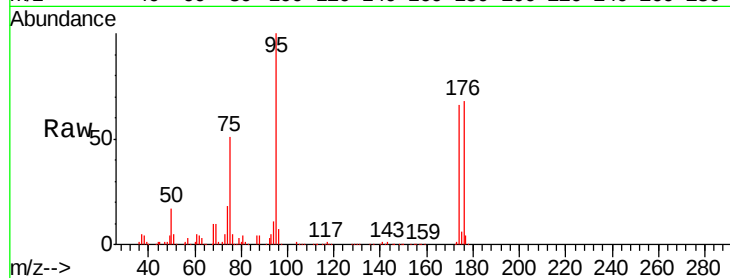
QNWP8-EQUIP.BLANK

Tgt Ion: 75 Resp: 60060

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

11.14

50000

40000

30000

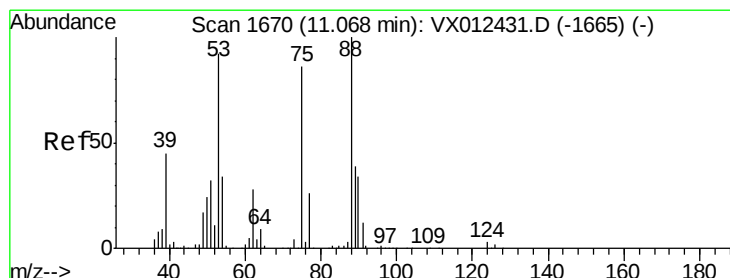
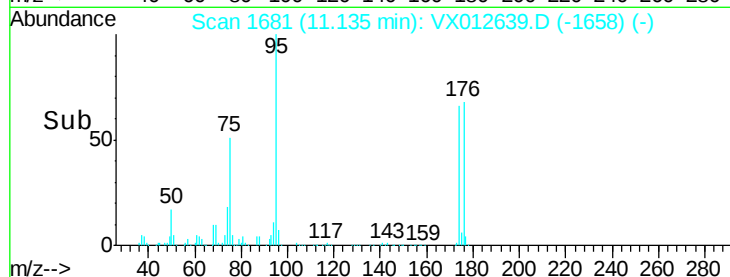
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 70.950 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012639.D

Acq: 24 Sep 2019 17:40

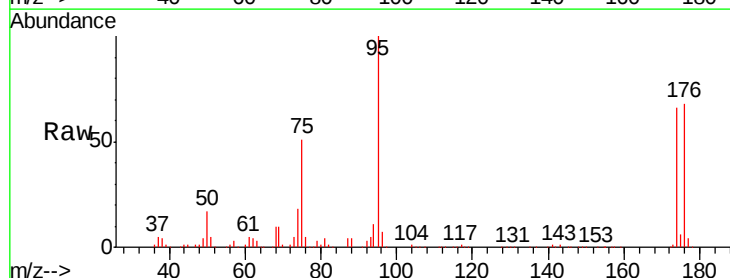
Tgt Ion: 75 Resp: 60060

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

11.14

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

