

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012316.D
 Acq On : 11 Sep 2019 22:35
 Operator : SY/SP
 Sample : VX0911SBL02
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBL02

Quant Time: Sep 12 05:42:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	165499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	285761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	107874	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
35) Dibromofluoromethane	5.48	113	84250	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
50) Toluene-d8	8.71	98	339275	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.14	95	133251	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	

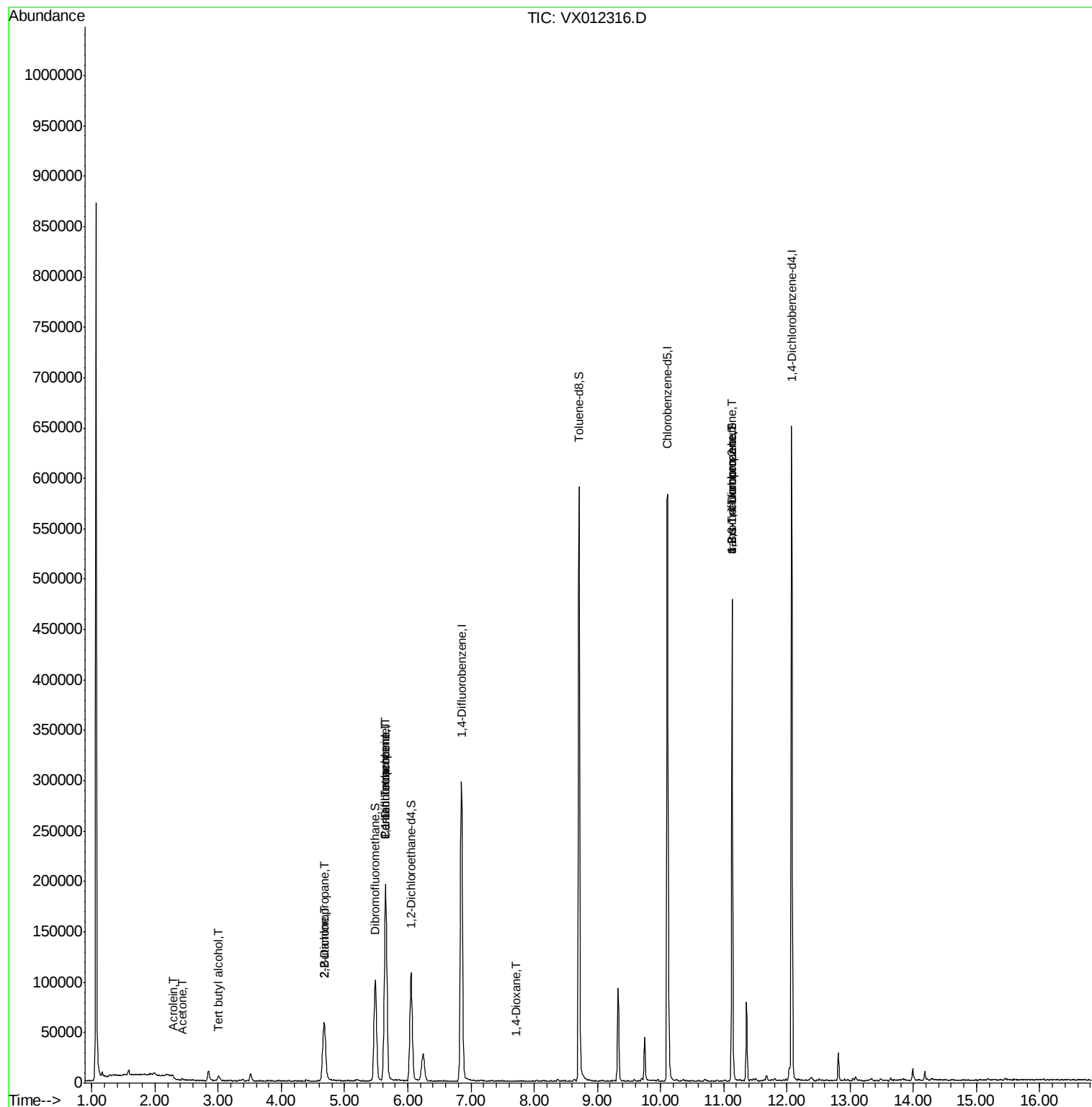
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.60	94	262	Below Cal	#	27
11) Tert butyl alcohol	3.01	59	3439	4.778	ug/l #	81
13) Acrolein	2.28	56	267	2.183	ug/l #	12
16) Acetone	2.43	43	2932	5.293	ug/l	97
25) 2-Butanone	4.69	43	4071	5.749	ug/l #	73
26) 2,2-Dichloropropane	4.67	77	5265	1.793	ug/l #	55
36) 1,1-Dichloropropene	5.65	75	14526	6.971	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18666	7.635	ug/l #	16
49) 1,4-Dioxane	7.72	88	23	1.311	ug/l #	74
76) 1,2,3-Trichloropropane	11.13	75	71045	46.211	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	71045	138.459	ug/l #	5

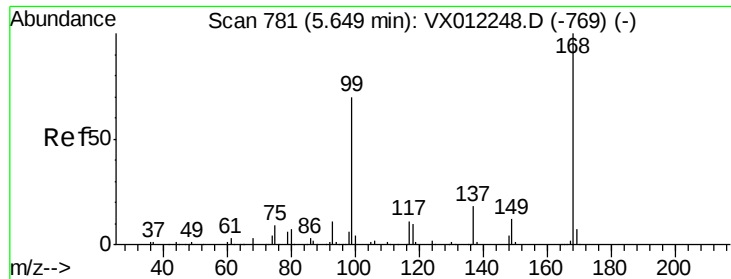
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

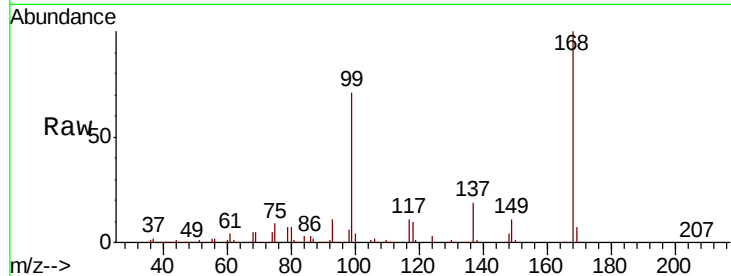
VX0911SBL02

Tgt Ion: 168 Resp: 165499

Ion Ratio Lower Upper

168 100

99 71.2 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

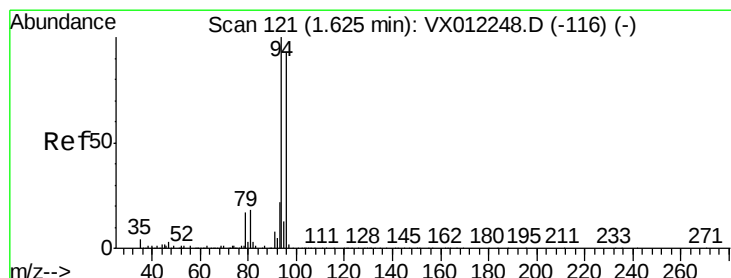
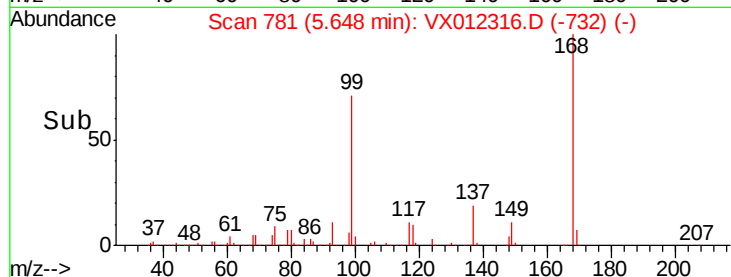
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX012316.D

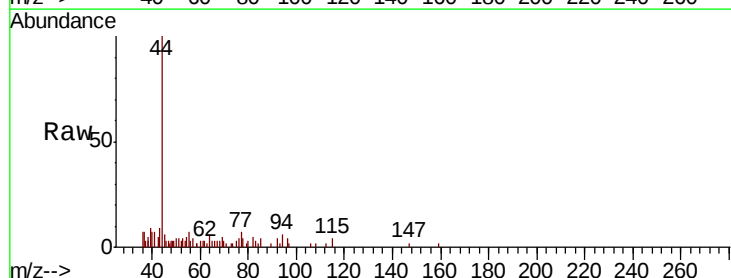
Acq: 11 Sep 2019 22:35

Tgt Ion: 94 Resp: 262

Ion Ratio Lower Upper

94 100

96 22.8 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

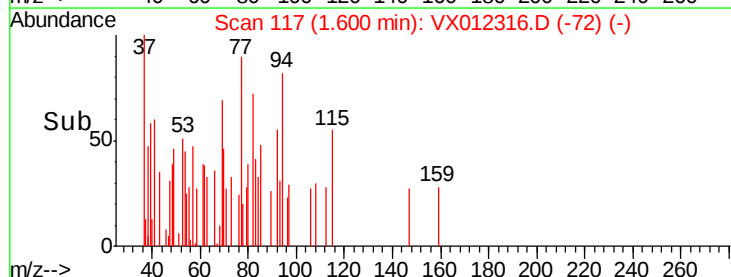
100

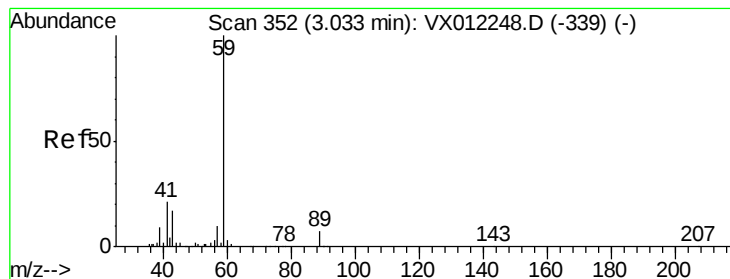
50

0

Time-->

1.55 1.60





#11

Tert butyl alcohol

Concen: 4.778 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

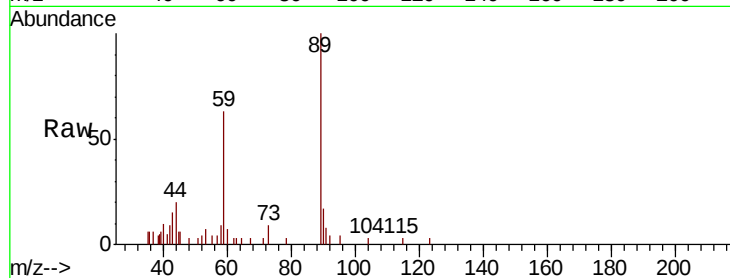
VX0911SBL02

Tgt Ion: 59 Resp: 3439

Ion Ratio Lower Upper

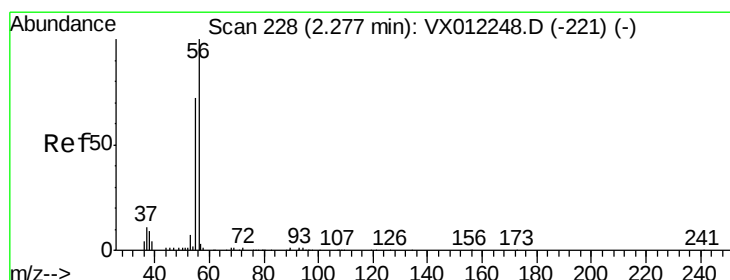
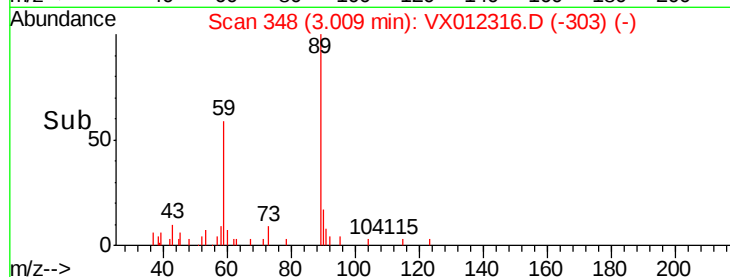
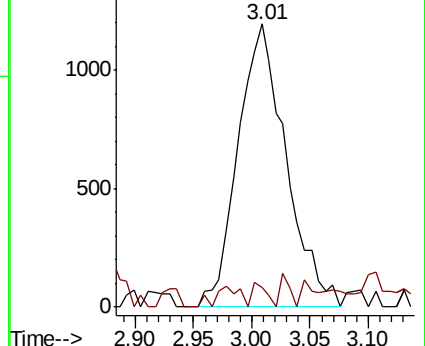
59 100

57 2.6 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 2.183 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012316.D

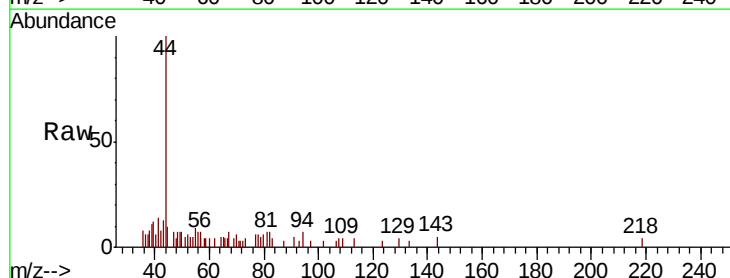
Acq: 11 Sep 2019 22:35

Tgt Ion: 56 Resp: 267

Ion Ratio Lower Upper

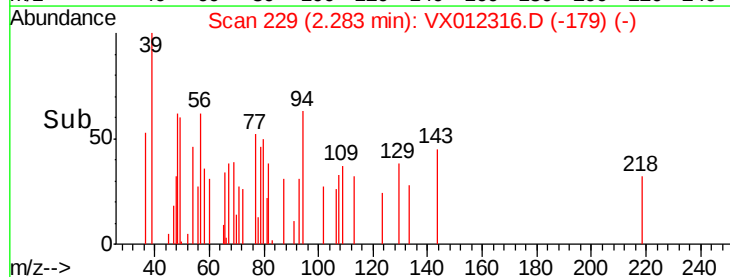
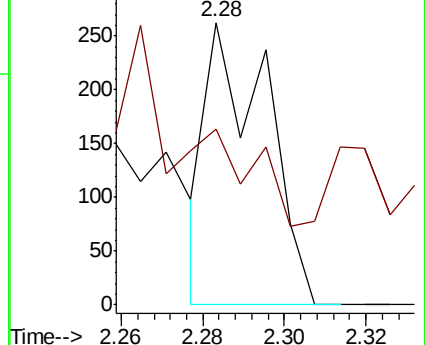
56 100

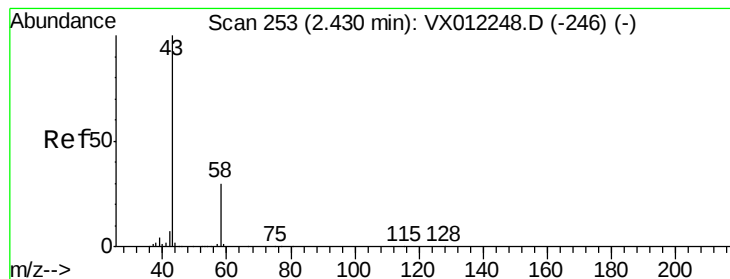
55 0.0 59.8 89.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.293 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

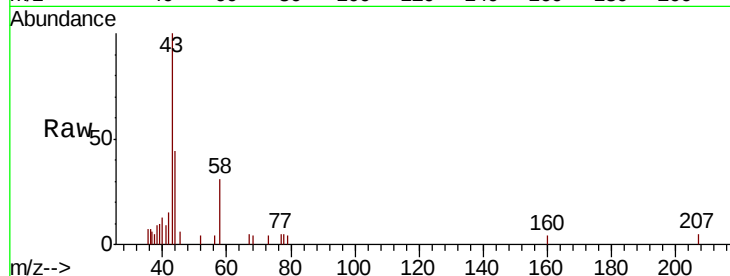
VX0911SBL02

Tgt Ion: 43 Resp: 2932

Ion Ratio Lower Upper

43 100

58 31.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

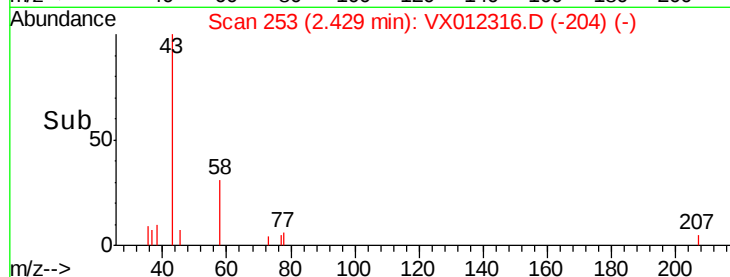
1500

1000

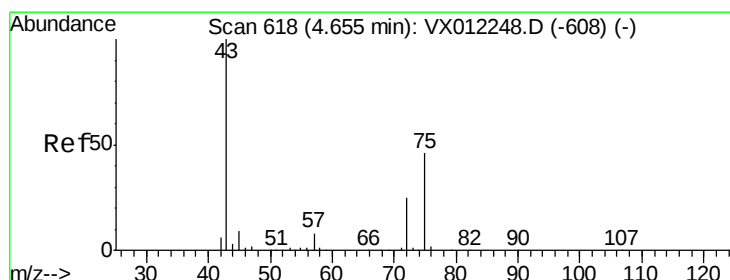
500

2.43

2.35 2.40 2.45 2.50



Time-->



#25

2-Butanone

Concen: 5.749 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX012316.D

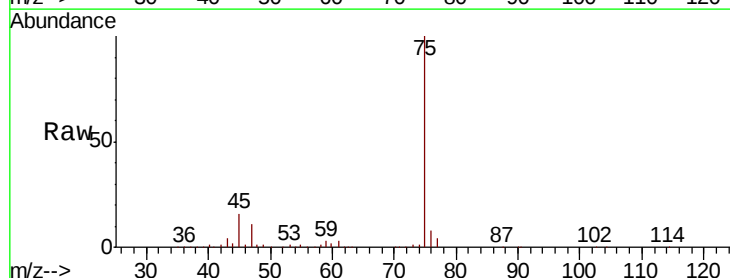
Acq: 11 Sep 2019 22:35

Tgt Ion: 43 Resp: 4071

Ion Ratio Lower Upper

43 100

72 11.5 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

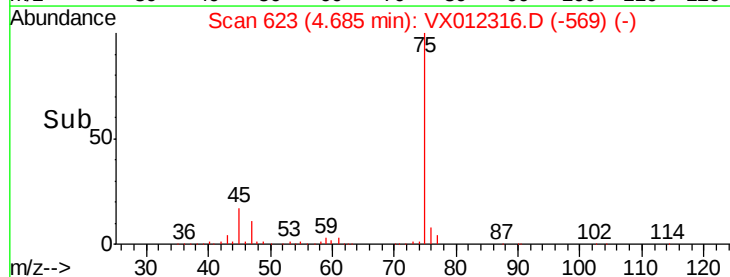
1500

1000

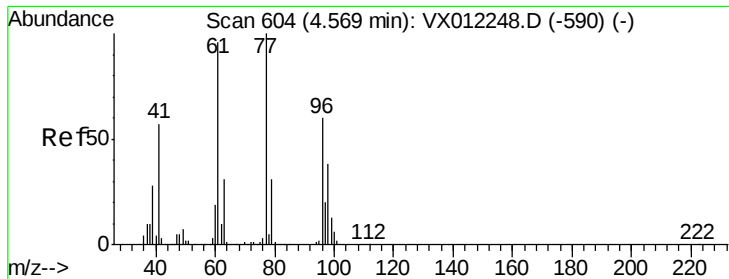
500

4.69

4.55 4.60 4.65 4.70 4.75



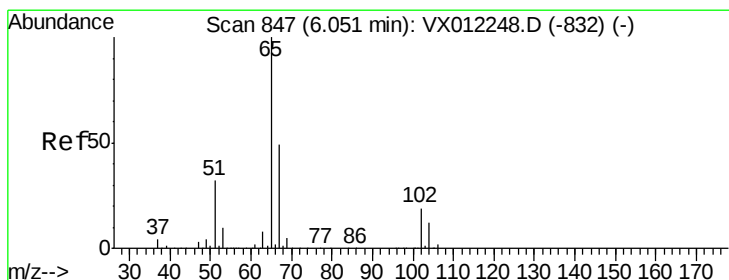
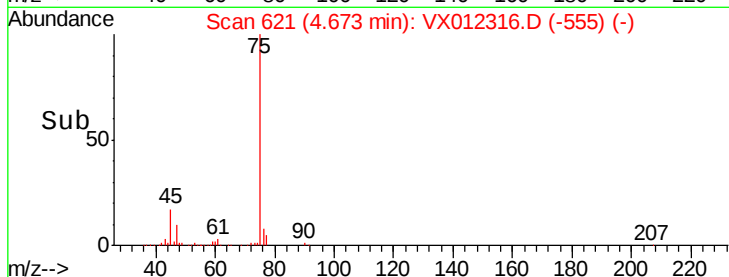
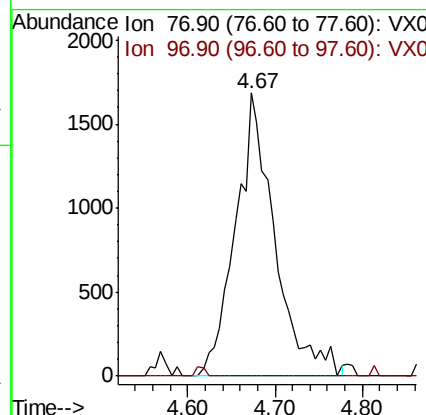
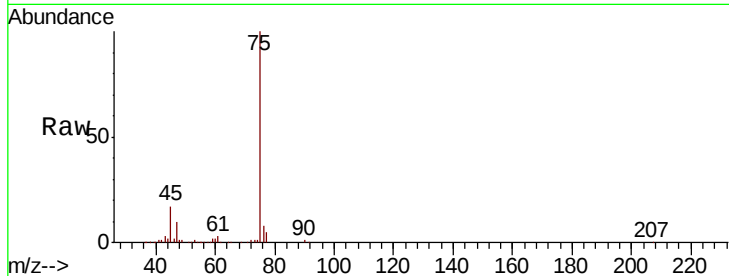
Time-->



#26
 2,2-Dichloropropane
 Concen: 1.793 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.10 min
 Lab File: VX012316.D
 Acq: 11 Sep 2019 22:35

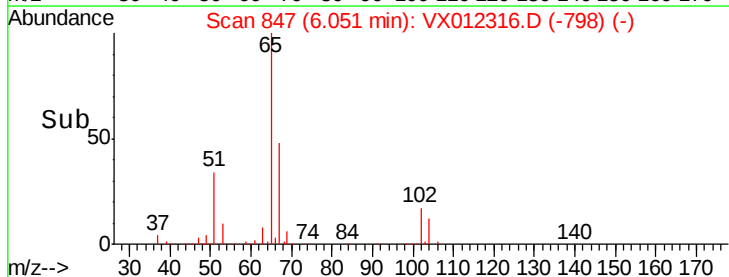
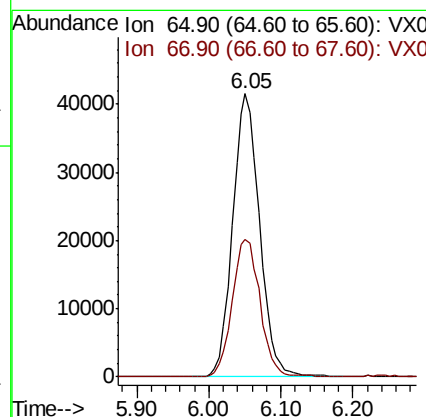
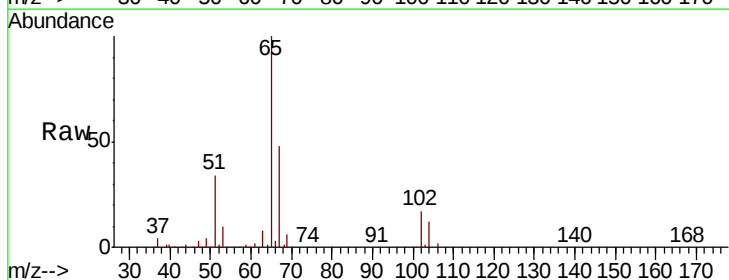
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBL02

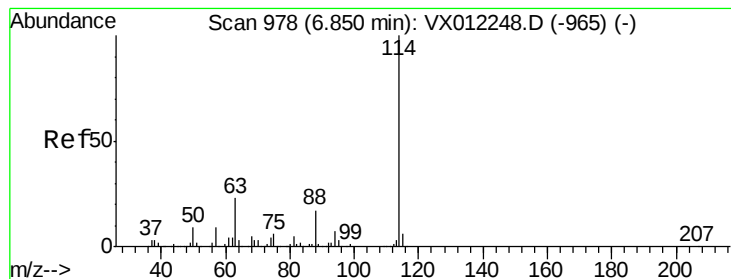
Tgt Ion: 77 Resp: 5265
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#33
 1,2-Dichloroethane-d4
 Concen: 46.103 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012316.D
 Acq: 11 Sep 2019 22:35

Tgt Ion: 65 Resp: 107874
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBL02

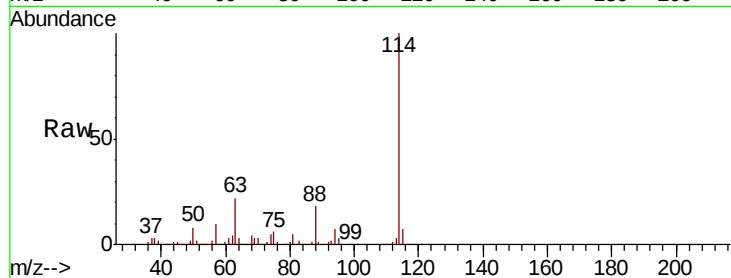
Tgt Ion:114 Resp: 285761

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

88 17.8 0.0 34.8



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

150000

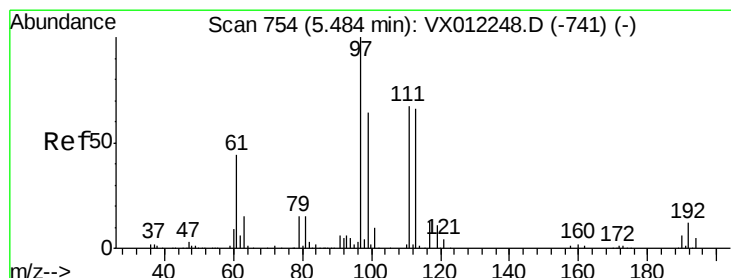
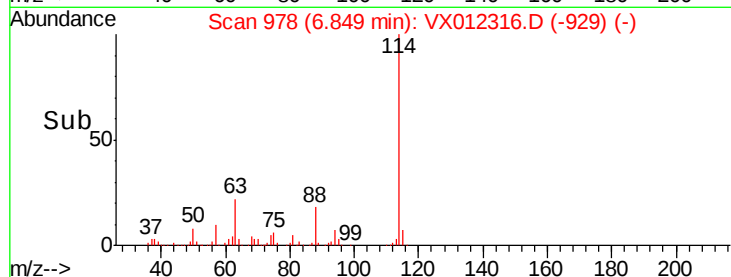
100000

50000

0

6.85

Time-->



#35

Dibromofluoromethane

Concen: 45.992 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

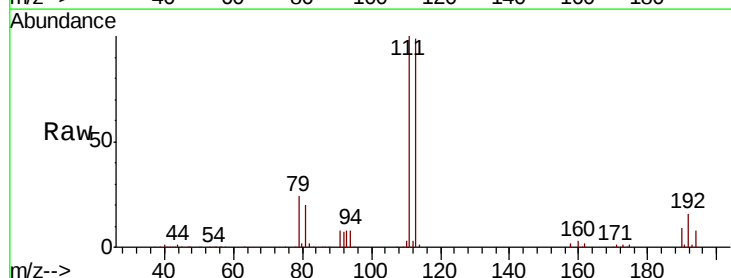
Tgt Ion:113 Resp: 84250

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.6

192 17.4 14.3 21.5



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

40000

30000

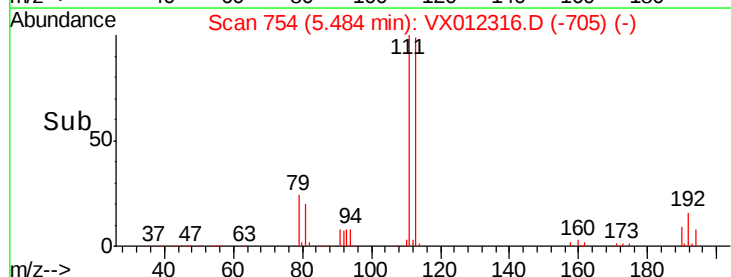
20000

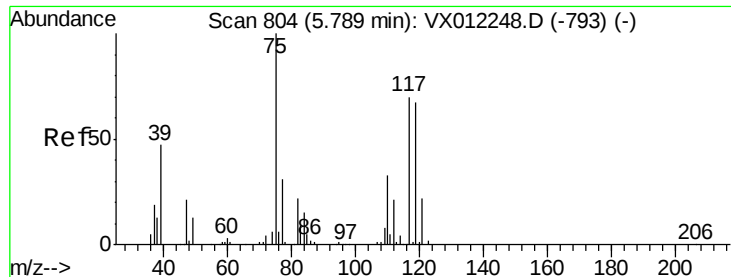
10000

0

5.48

Time-->





#36

1,1-Dichloropropene

Concen: 6.971 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBL02

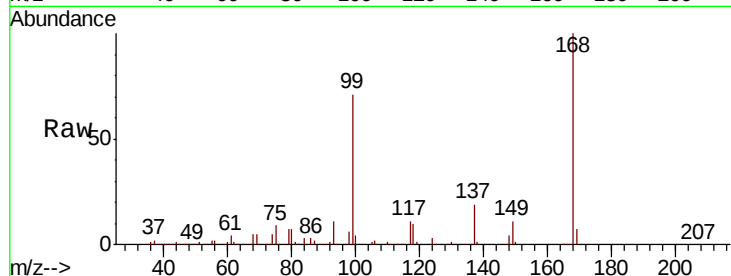
Tgt Ion: 75 Resp: 14526

Ion Ratio Lower Upper

75 100

110 10.7 16.8 50.4#

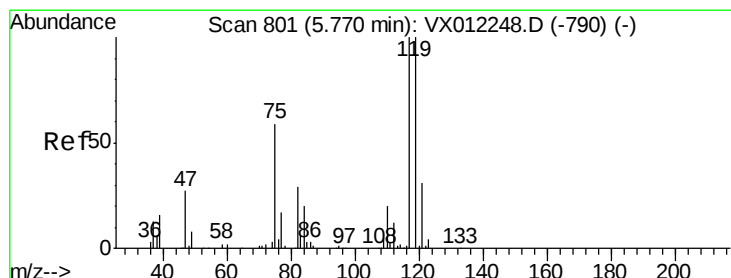
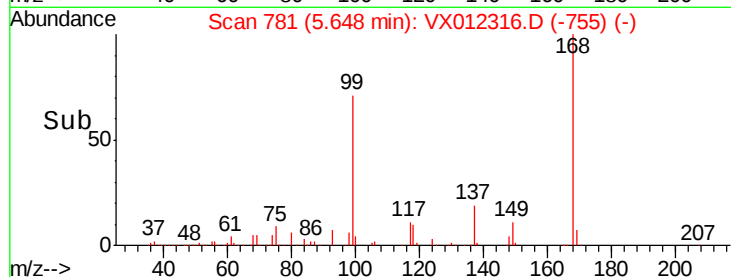
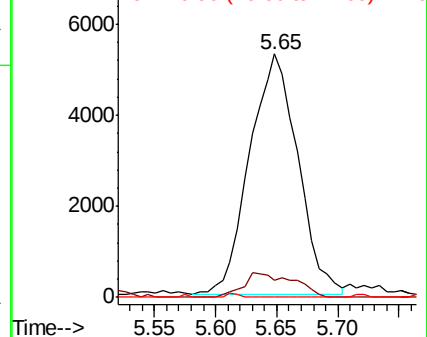
77 0.0 24.5 36.7#



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: 7.635 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

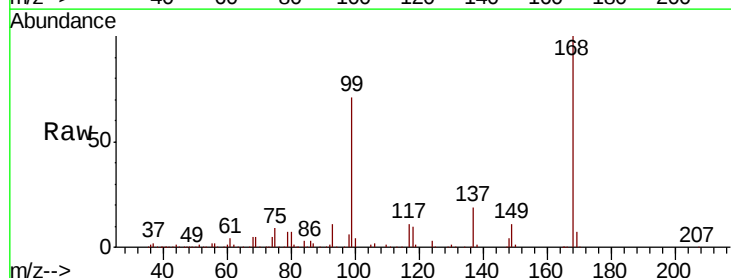
Tgt Ion: 117 Resp: 18666

Ion Ratio Lower Upper

117 100

119 7.4 79.6 119.4#

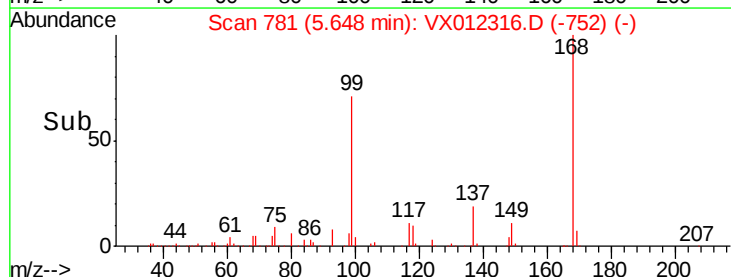
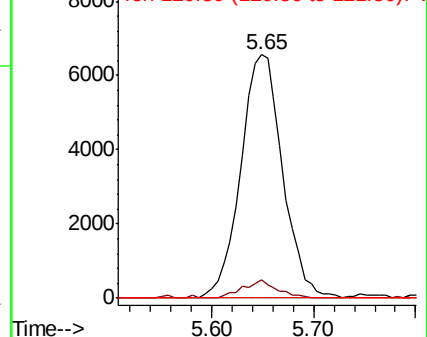
121 0.0 24.7 37.1#

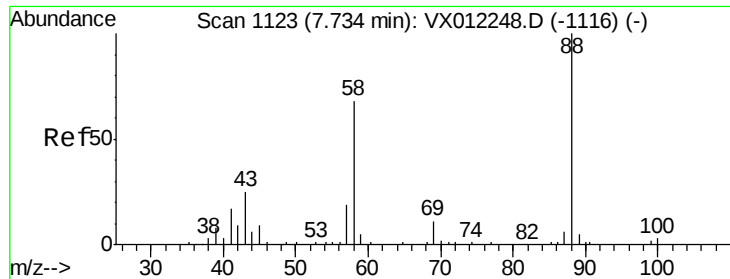


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

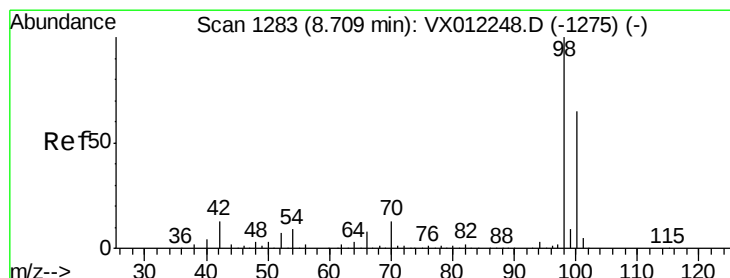
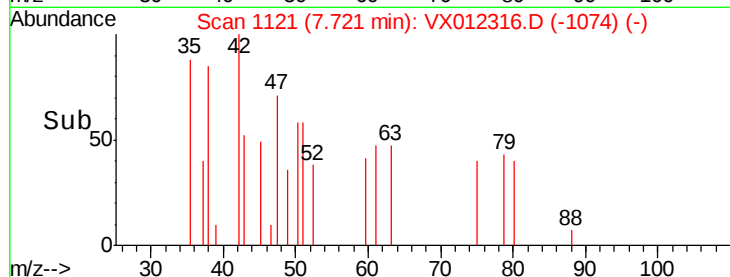
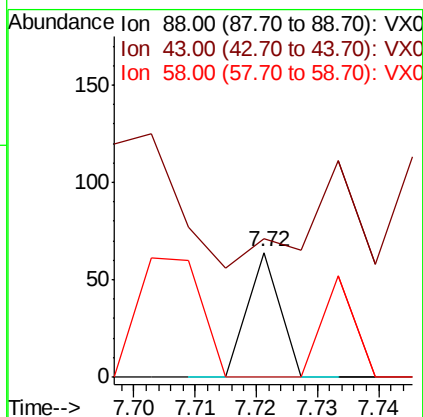
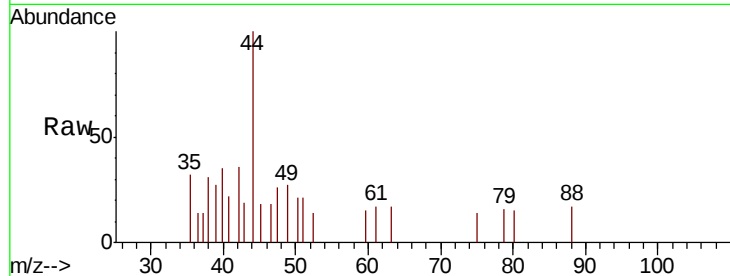




#49
 1,4-Dioxane
 Concen: 1.311 ug/l
 RT: 7.72 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: VX012316.D
 Acq: 11 Sep 2019 22:35

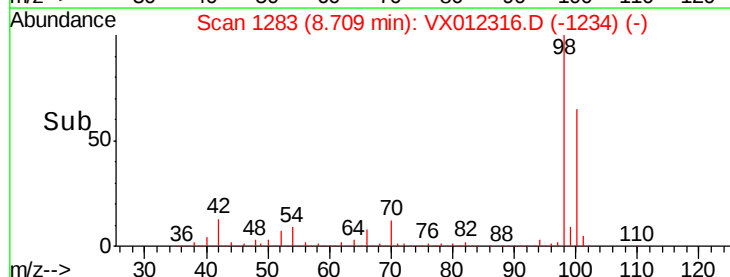
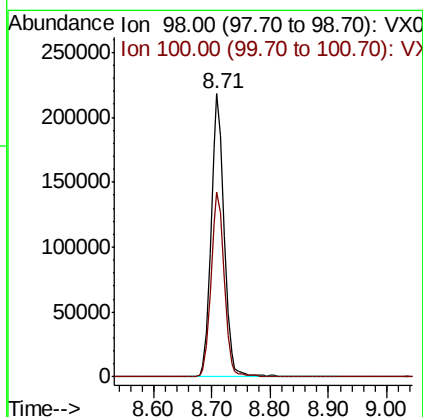
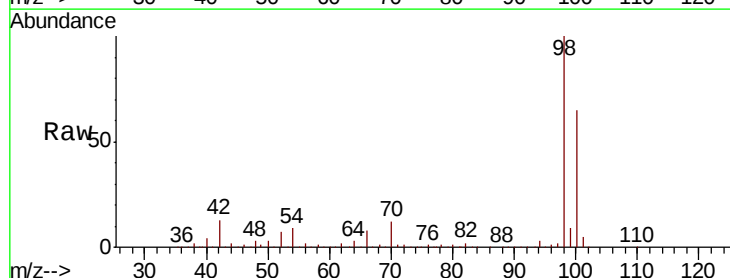
Instrument :
 MSVOA_X
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 VX0911SBL02

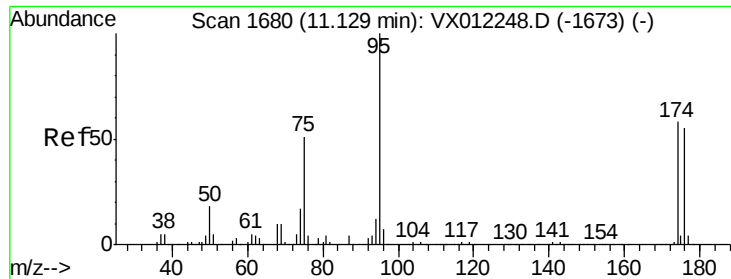
Tgt Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.0 46.4#
 58 82.6 61.5 92.3



#50
 Toluene-d8
 Concen: 52.806 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012316.D
 Acq: 11 Sep 2019 22:35

Tgt Ion: 98 Resp: 339275
 Ion Ratio Lower Upper
 98 100
 100 66.2 54.1 81.1

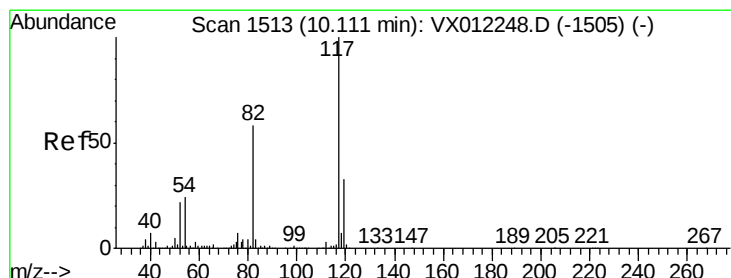
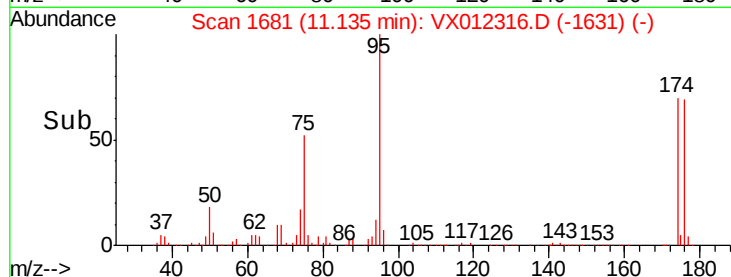
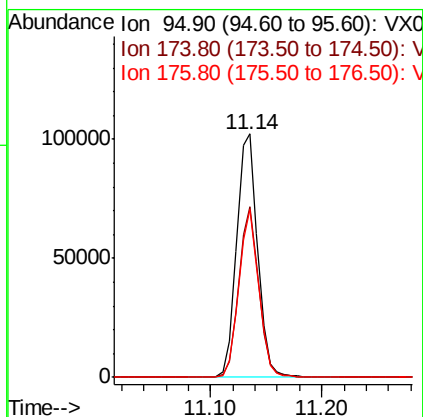
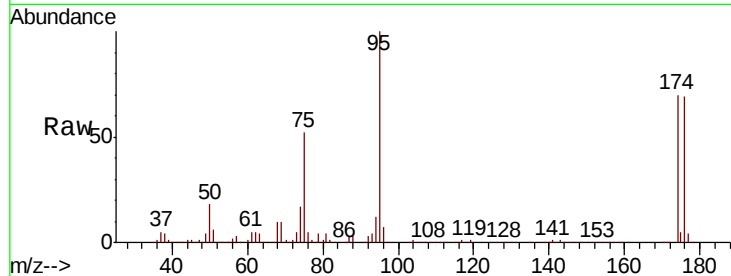




#62
4-Bromofluorobenzene
Concen: 44.736 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012316.D
Acq: 11 Sep 2019 22:35

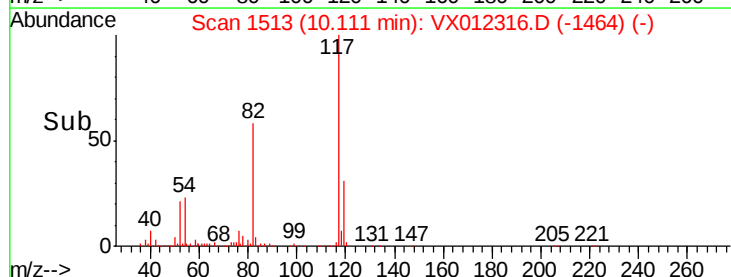
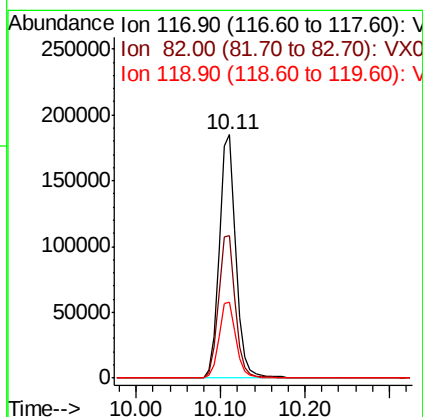
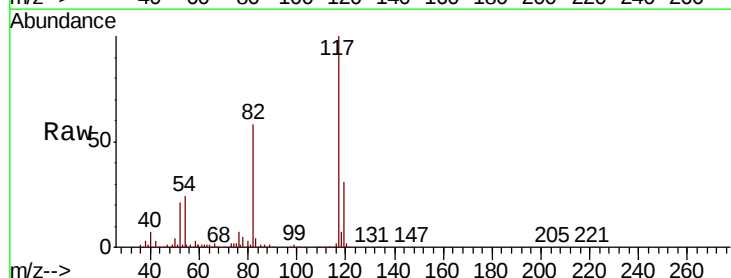
Instrument :
MSVOA_X
ClientSampleId :
VX0911SBL02

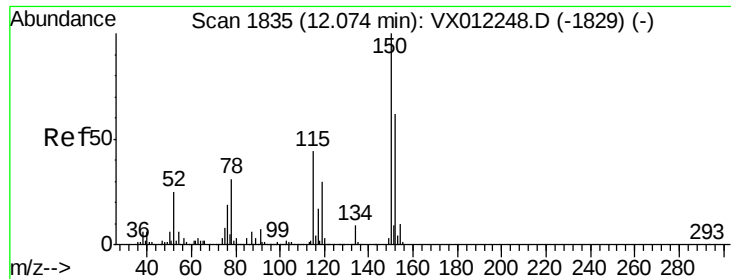
Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	127.0
176	65.2	0.0	125.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012316.D
Acq: 11 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.4	69.6
119	31.3	26.6	39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBL02

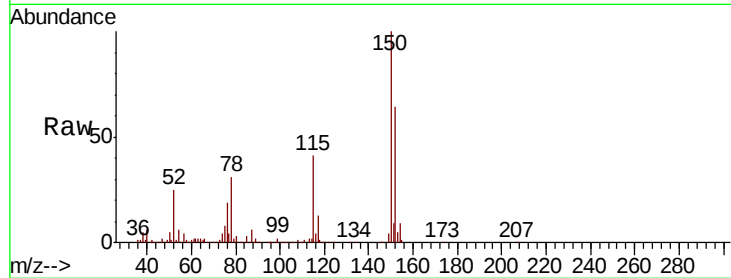
Tgt Ion:152 Resp: 119675

Ion Ratio Lower Upper

152 100

115 65.4 45.5 136.4

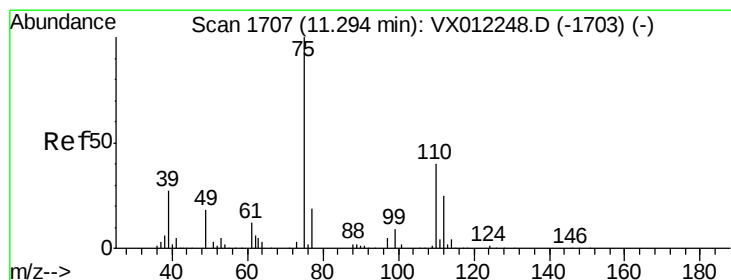
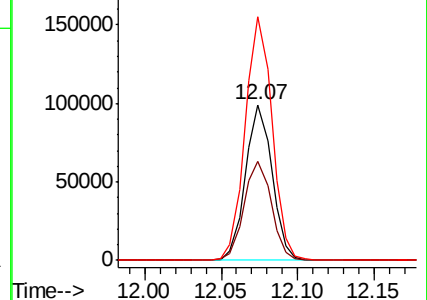
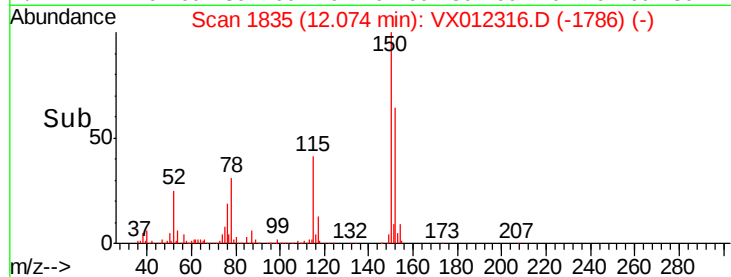
150 158.2 0.0 346.4



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: 46.211 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012316.D

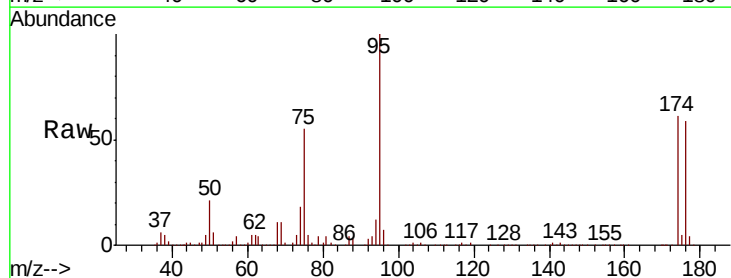
Acq: 11 Sep 2019 22:35

Tgt Ion: 75 Resp: 71045

Ion Ratio Lower Upper

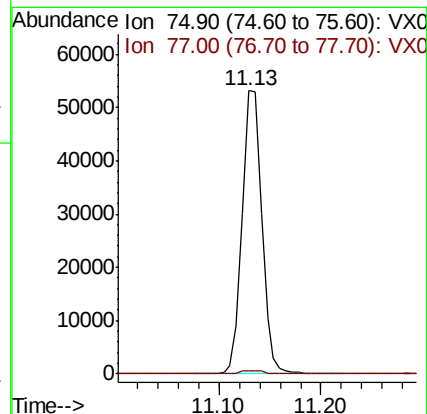
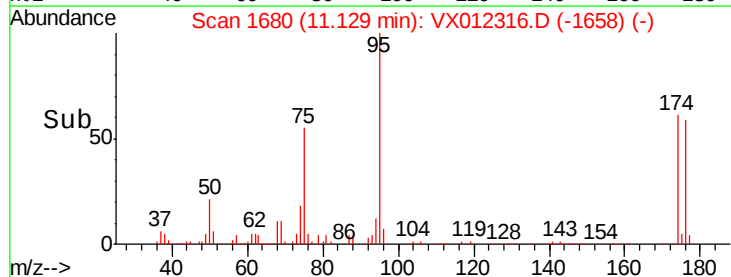
75 100

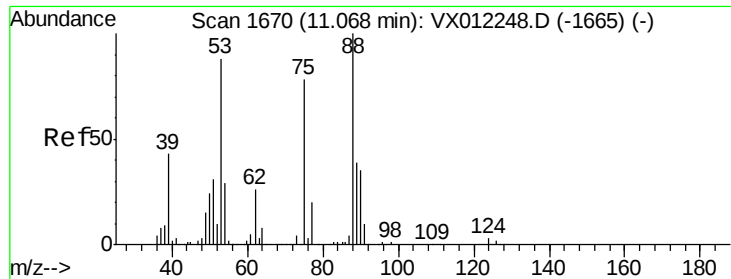
77 1.3 19.7 59.0#



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: 138.459 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012316.D

Acq: 11 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBL02

Tgt Ion: 75 Resp: 71045

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

