

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012357.D
 Acq On : 12 Sep 2019 19:47
 Operator : SY/SP
 Sample : K4752-05
 Misc : 4.99g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-13-14.5-15.0

Quant Time: Sep 13 02:01:40 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	162229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	277857	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117221	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	109049	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
35) Dibromofluoromethane	5.48	113	81231	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
50) Toluene-d8	8.71	98	331493	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	11.14	95	131621	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

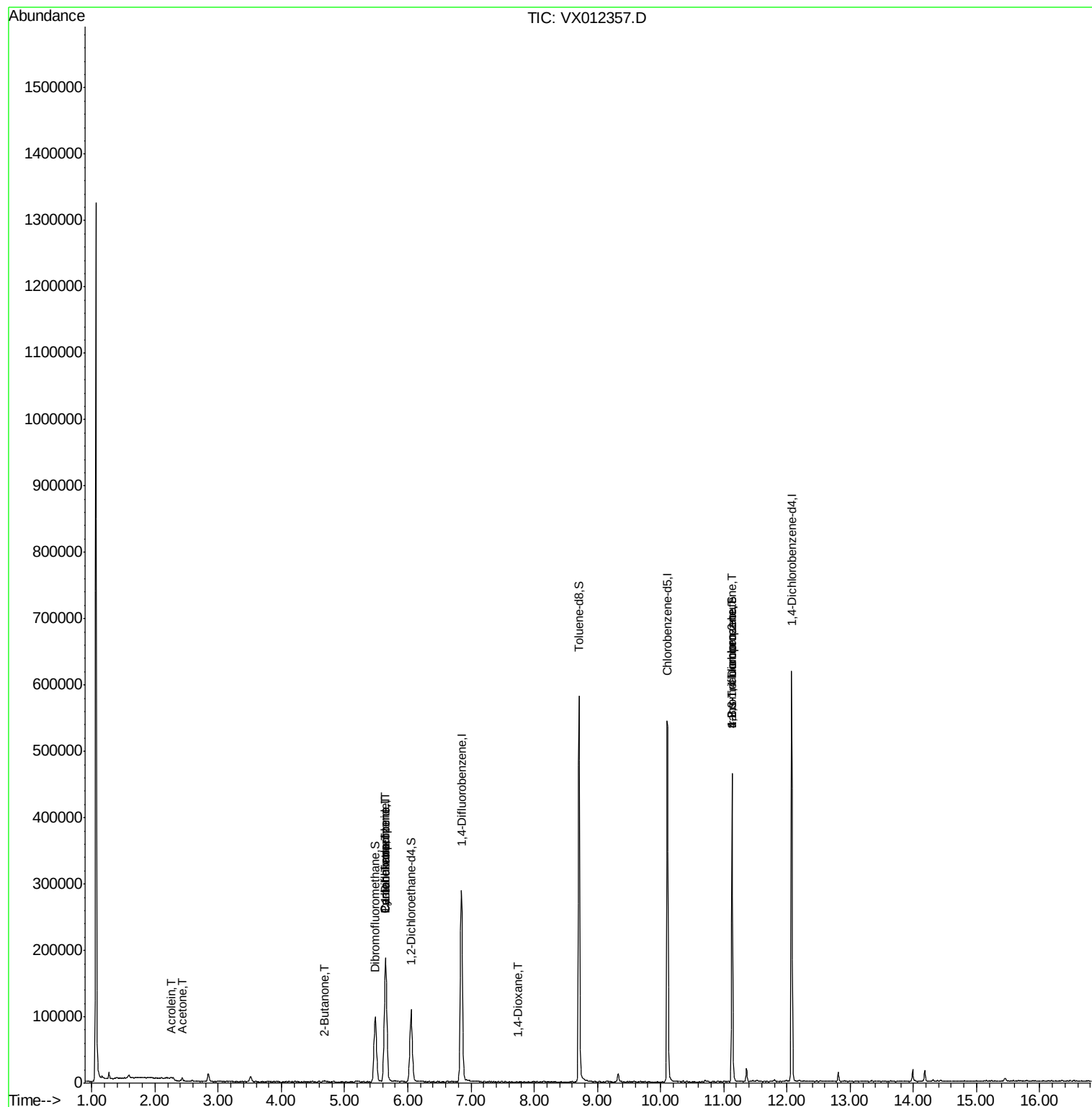
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	259	Below Cal		83
11) Tert butyl alcohol	3.05	59	535	Below Cal	#	87
13) Acrolein	2.27	56	228	1.902	ug/l #	58
16) Acetone	2.43	43	5098	9.389	ug/l	98
25) 2-Butanone	4.69	43	997	1.436	ug/l #	50
31) Cyclohexane	5.64	56	4159	1.953	ug/l #	9
36) 1,1-Dichloropropene	5.64	75	14480	7.147	ug/l #	53
38) Carbon Tetrachloride	5.65	117	18663	7.851	ug/l #	16
49) 1,4-Dioxane	7.74	88	42	2.463	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	68561	45.529	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	68561	136.415	ug/l #	5

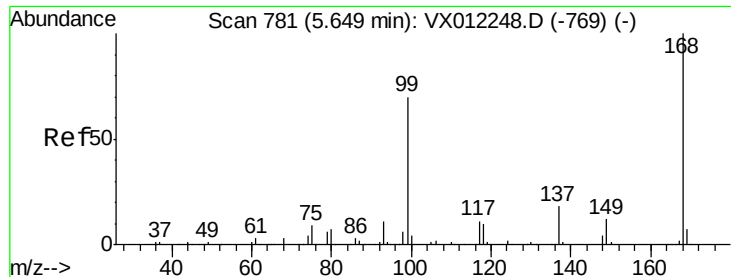
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
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SB-13-14.5-15.0

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
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: VX012357.D

Acq: 12 Sep 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

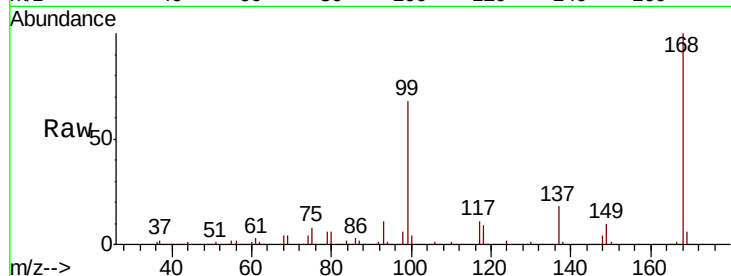
SB-13-14.5-15.0

Tgt Ion:168 Resp: 162229

Ion Ratio Lower Upper

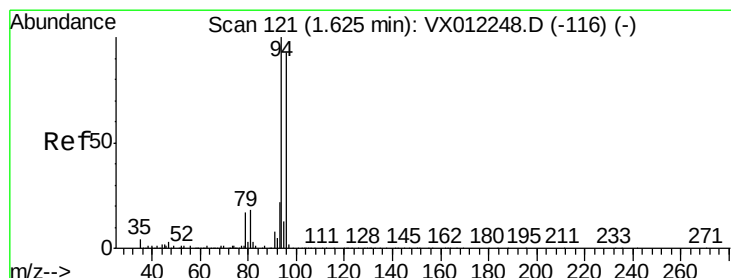
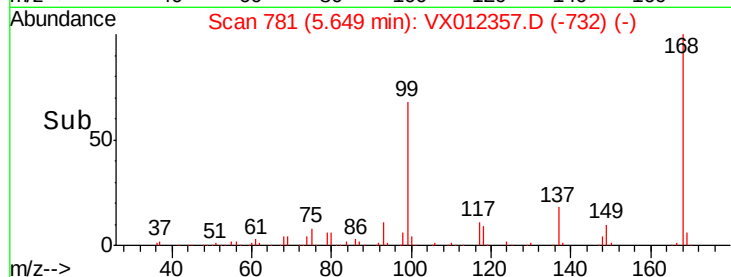
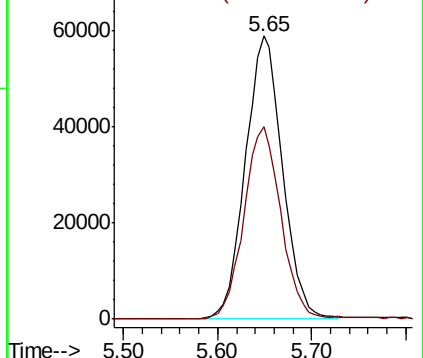
168 100

99 67.9 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012357.D

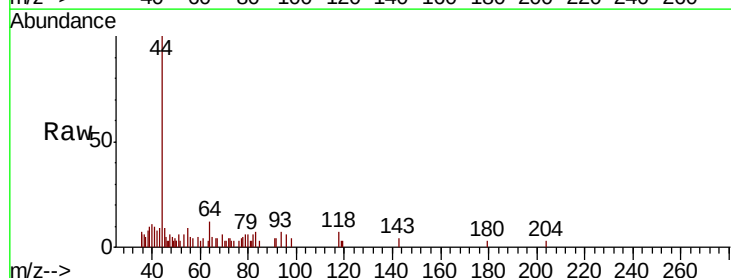
Acq: 12 Sep 2019 19:47

Tgt Ion: 94 Resp: 259

Ion Ratio Lower Upper

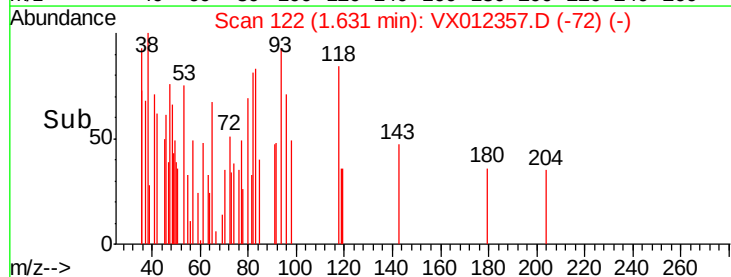
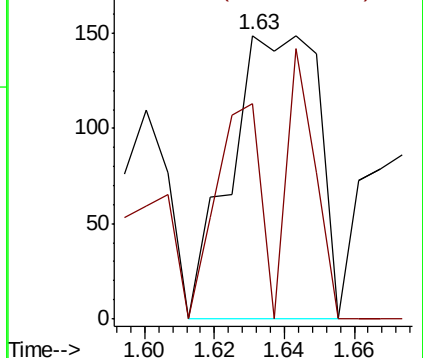
94 100

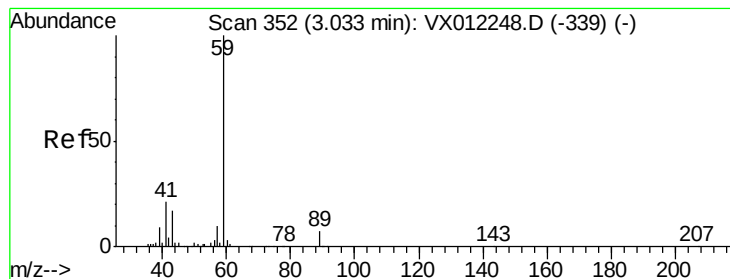
96 75.8 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



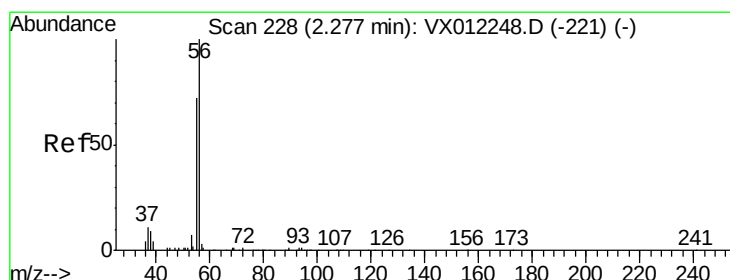
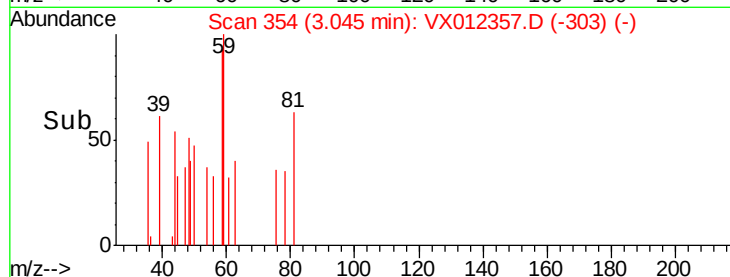
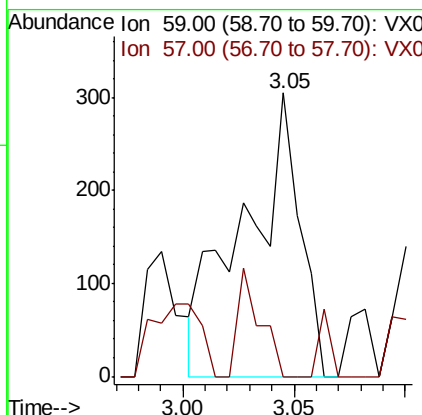
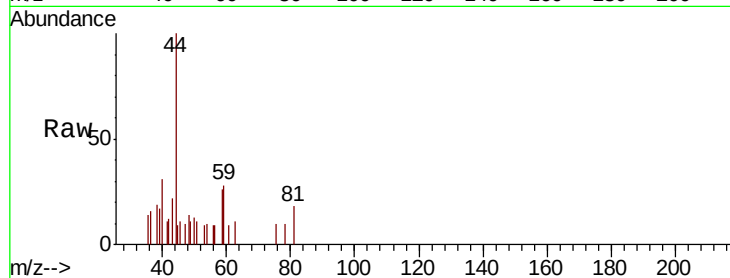


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.05 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VX012357.D
 Acq: 12 Sep 2019 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-13-14.5-15.0

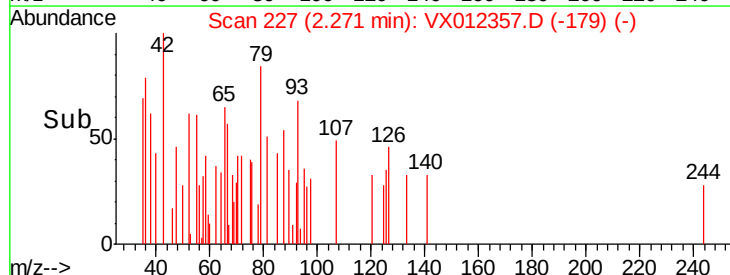
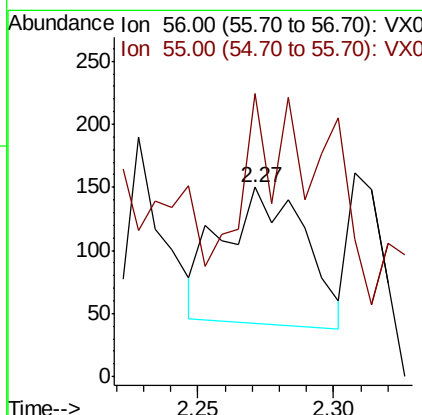
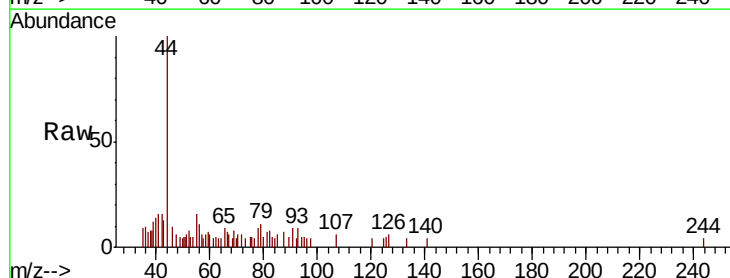
Tgt Ion: 59 Resp: 535
 Ion Ratio Lower Upper
 59 100
 57 4.9 7.8 11.6#

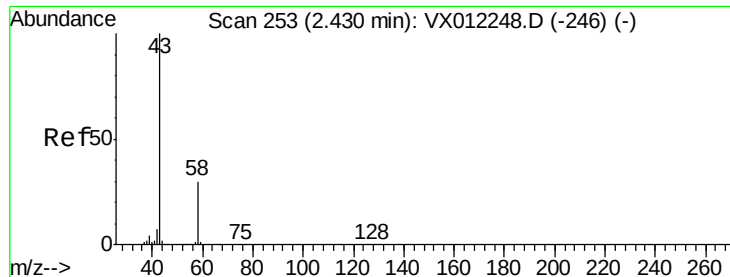


#13

Acrolein
 Concen: 1.902 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX012357.D
 Acq: 12 Sep 2019 19:47

Tgt Ion: 56 Resp: 228
 Ion Ratio Lower Upper
 56 100
 55 39.0 59.8 89.6#





#16

Acetone

Concen: 9.389 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012357.D

Acq: 12 Sep 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

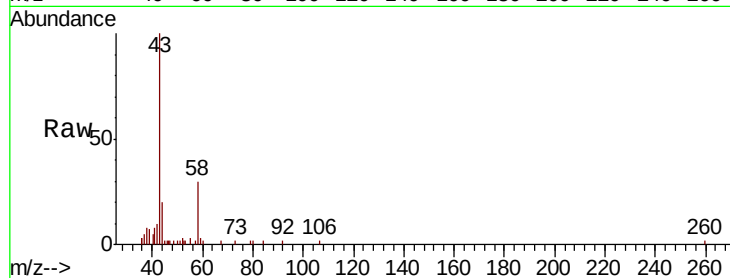
SB-13-14.5-15.0

Tgt Ion: 43 Resp: 5098

Ion Ratio Lower Upper

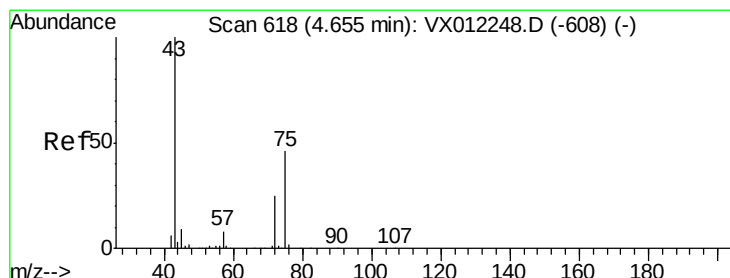
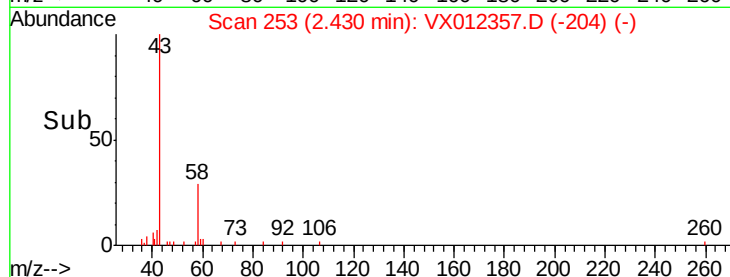
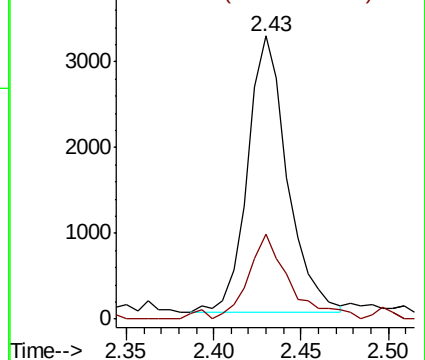
43 100

58 28.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 1.436 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.04 min

Lab File: VX012357.D

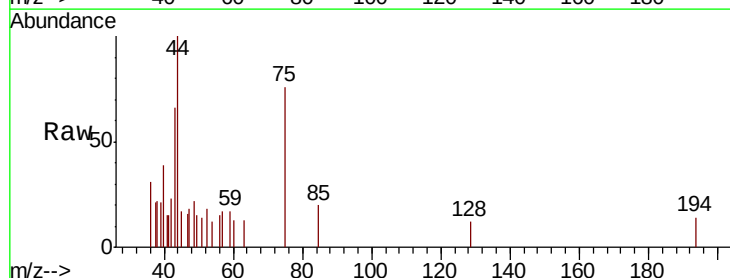
Acq: 12 Sep 2019 19:47

Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

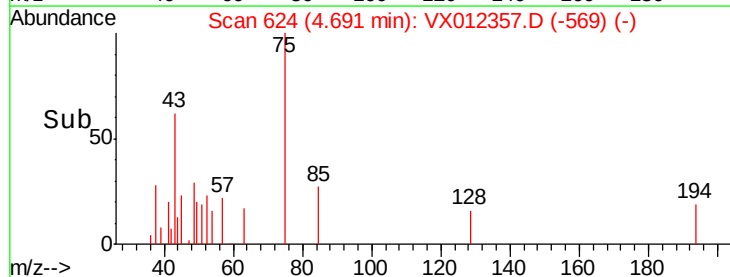
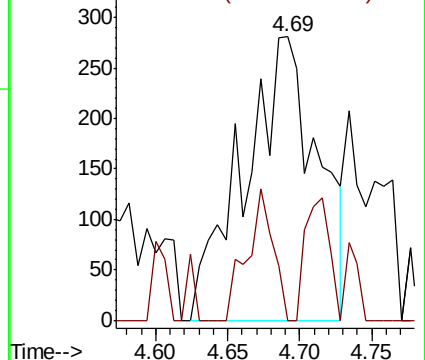
43 100

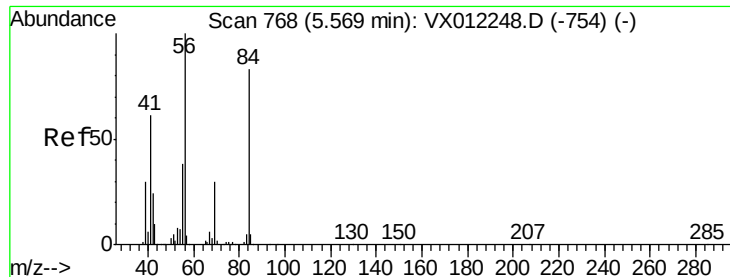
72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

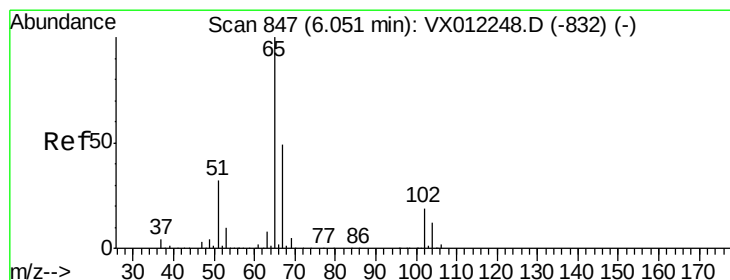
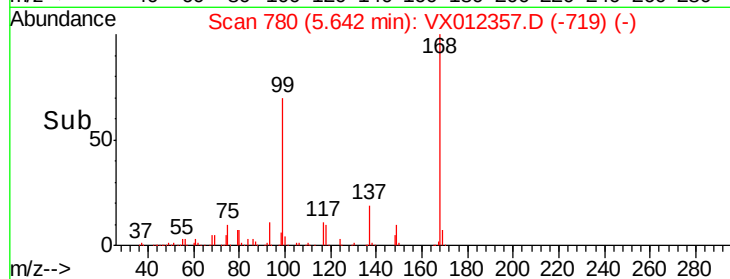
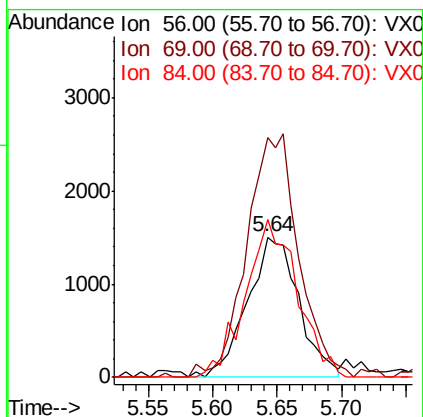
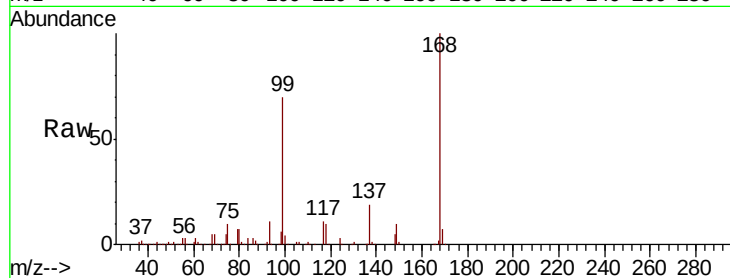




#31
Cyclohexane
Concen: 1.953 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012357.D
Acq: 12 Sep 2019 19:47

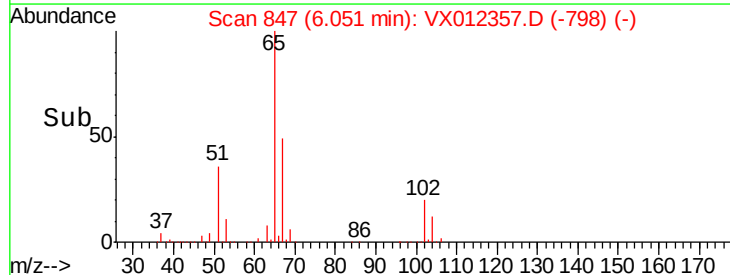
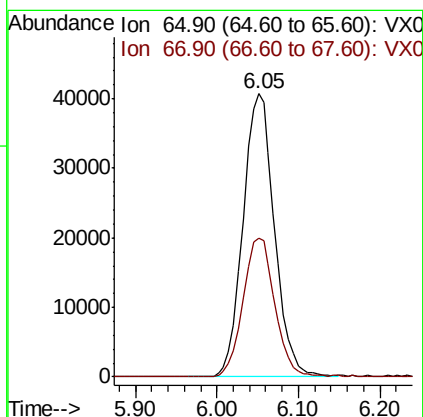
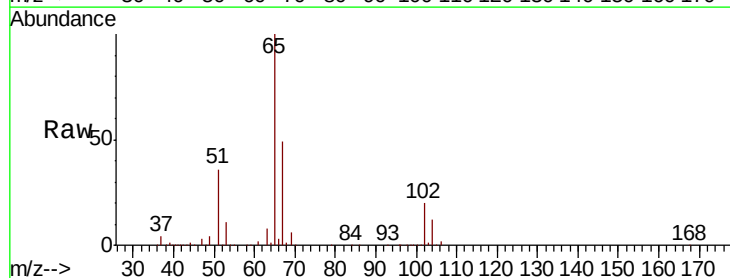
Instrument :
MSVOA_X
ClientSampleId :
SB-13-14.5-15.0

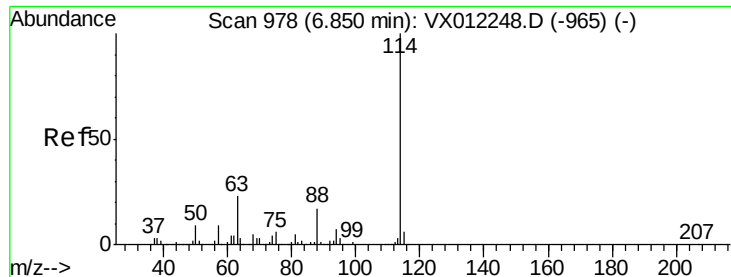
Tgt Ion: 56 Resp: 4159
Ion Ratio Lower Upper
56 100
69 167.4 23.8 35.6#
84 112.2 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 47.545 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012357.D
Acq: 12 Sep 2019 19:47

Tgt Ion: 65 Resp: 109049
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.8

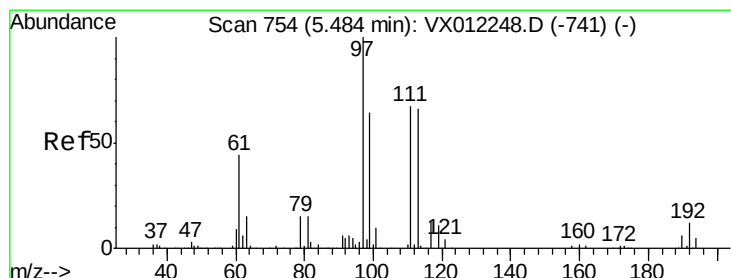
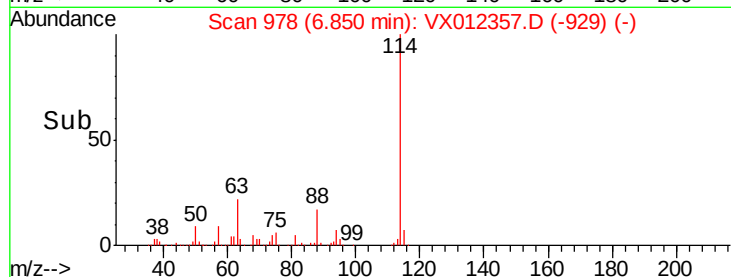
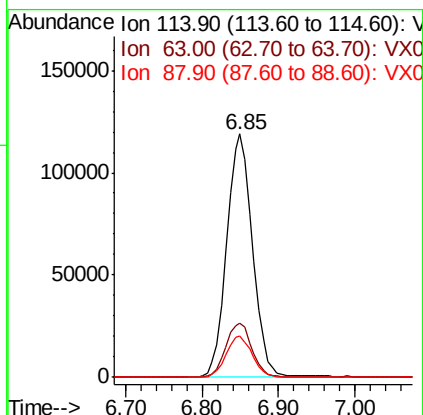
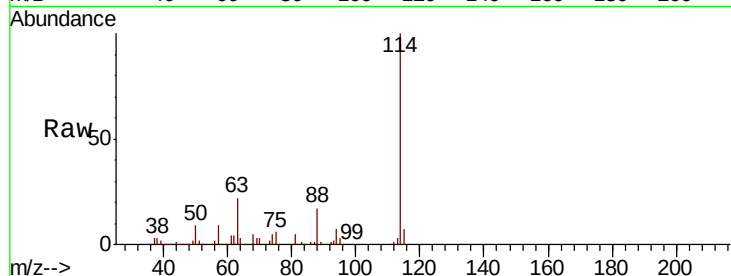




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012357.D
 Acq: 12 Sep 2019 19:47

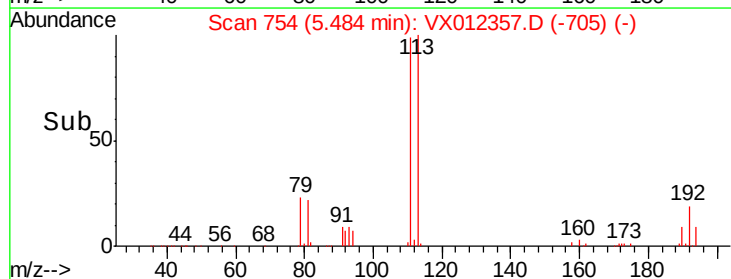
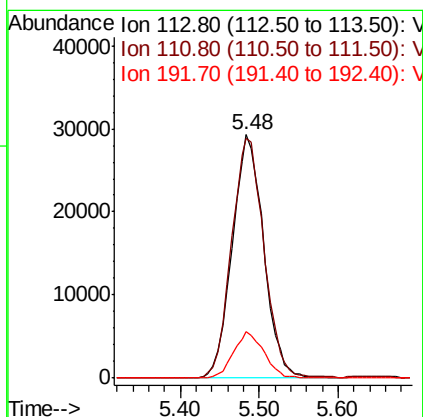
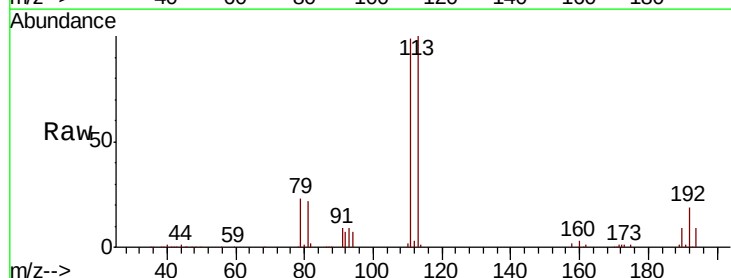
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-13-14.5-15.0

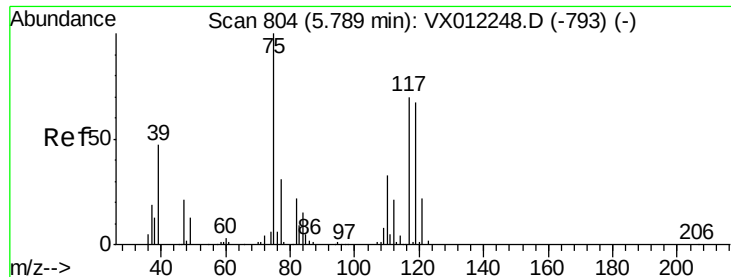
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	45.2
88	16.9	0.0	34.8



#35
 Dibromofluoromethane
 Concen: 45.605 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012357.D
 Acq: 12 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.6
192	18.6	14.3	21.5

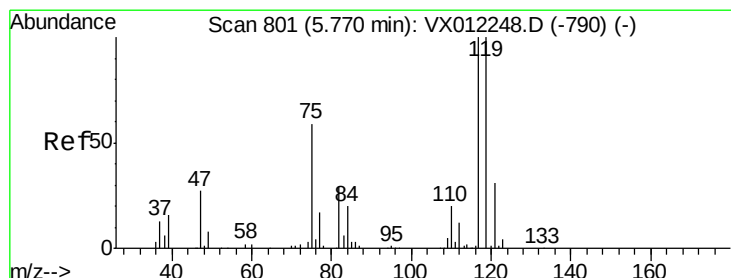
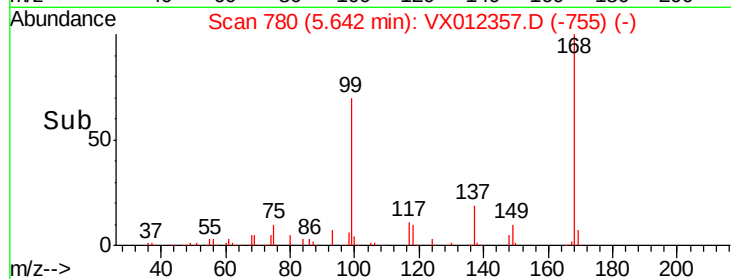
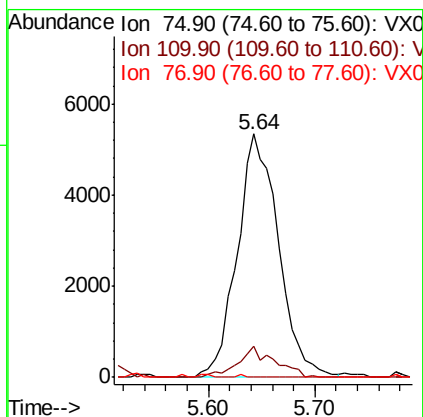
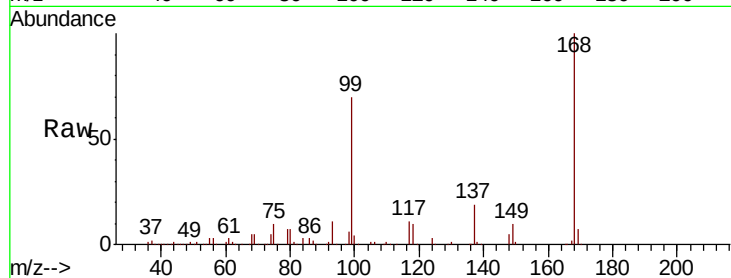




#36
 1,1-Dichloropropene
 Concen: 7.147 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012357.D
 Acq: 12 Sep 2019 19:47

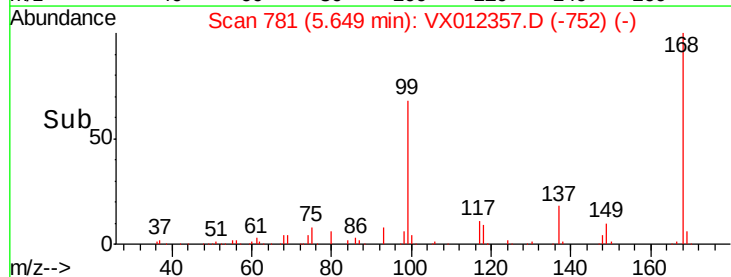
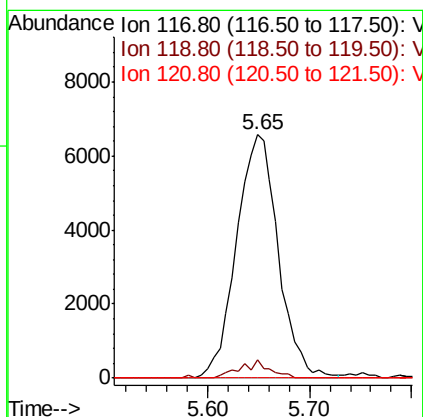
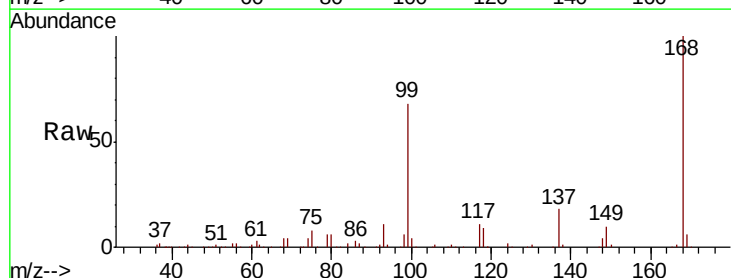
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-13-14.5-15.0

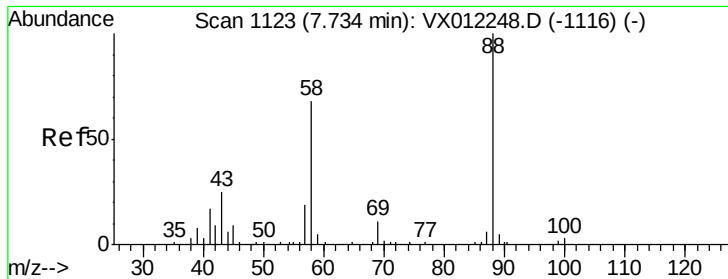
Tgt Ion: 75 Resp: 14480
 Ion Ratio Lower Upper
 75 100
 110 11.4 16.8 50.4#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.851 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012357.D
 Acq: 12 Sep 2019 19:47

Tgt Ion: 117 Resp: 18663
 Ion Ratio Lower Upper
 117 100
 119 7.6 79.6 119.4#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 2.463 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX012357.D

Acq: 12 Sep 2019 19:47

Instrument :

MSVOA_X

ClientSampled :

SB-13-14.5-15.0

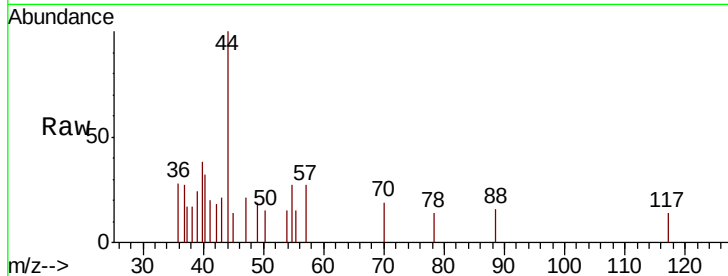
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 254.8 31.0 46.4#

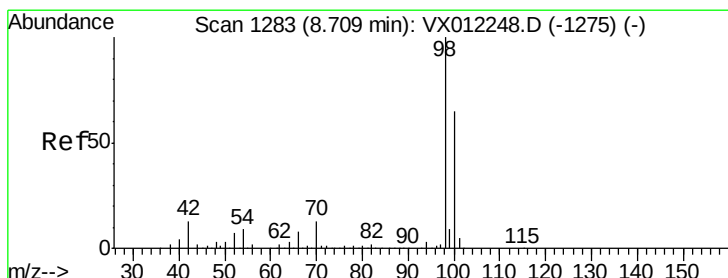
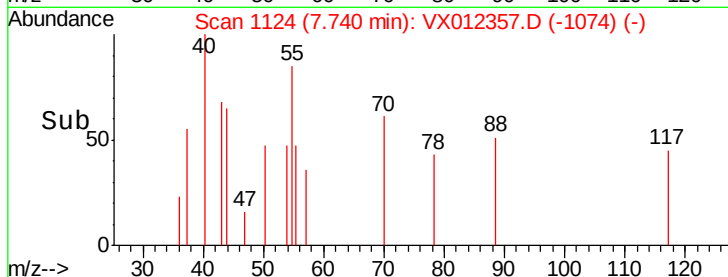
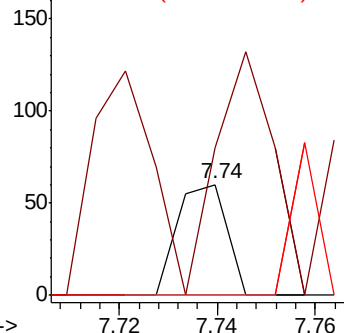
58 71.4 61.5 92.3



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: 53.062 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012357.D

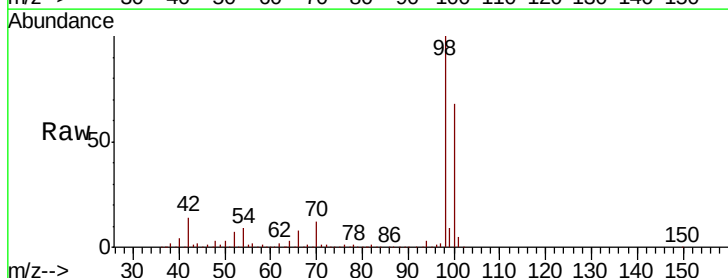
Acq: 12 Sep 2019 19:47

Tgt Ion: 98 Resp: 331493

Ion Ratio Lower Upper

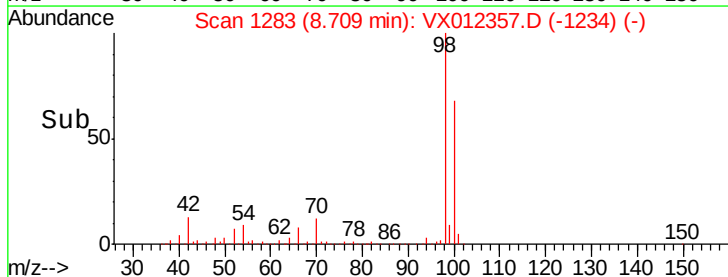
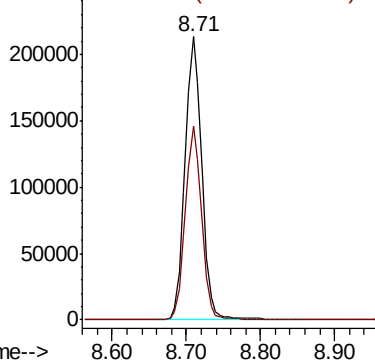
98 100

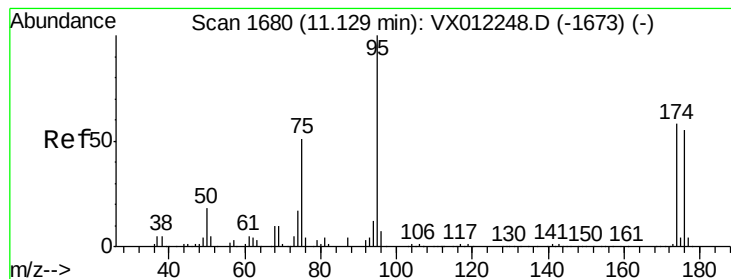
100 66.7 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.446 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012357.D

Acq: 12 Sep 2019 19:47

Instrument :

MSVOA_X

ClientSampled :

SB-13-14.5-15.0

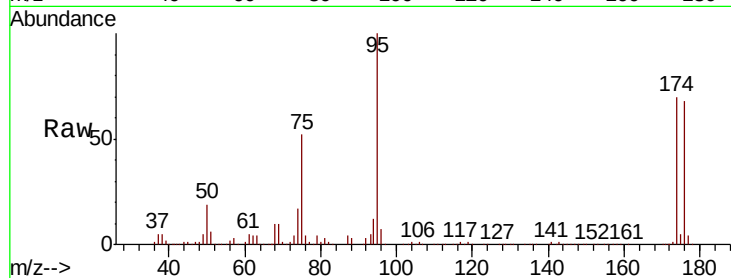
Tgt Ion: 95 Resp: 131621

Ion Ratio Lower Upper

95 100

174 66.9 0.0 127.0

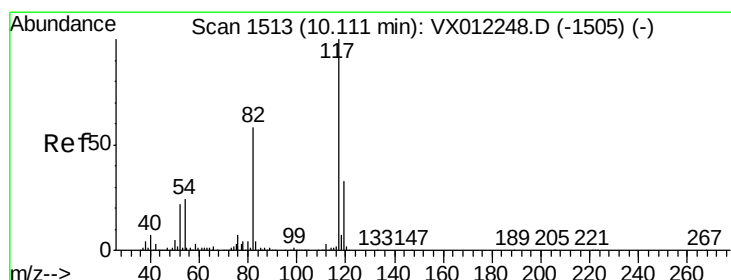
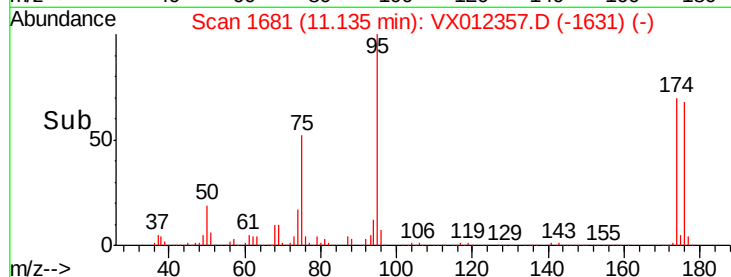
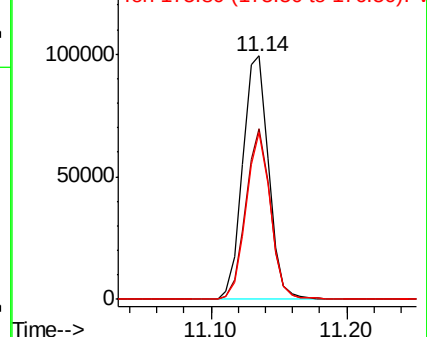
176 64.7 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012357.D

Acq: 12 Sep 2019 19:47

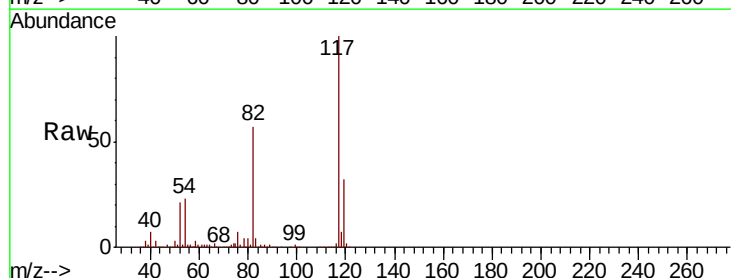
Tgt Ion: 117 Resp: 248822

Ion Ratio Lower Upper

117 100

82 56.6 46.4 69.6

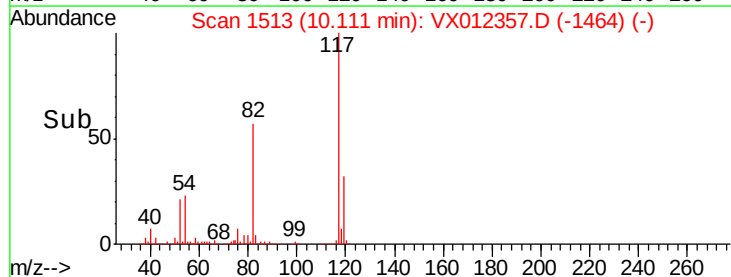
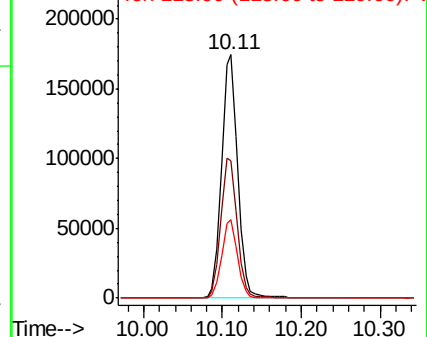
119 32.0 26.6 39.8

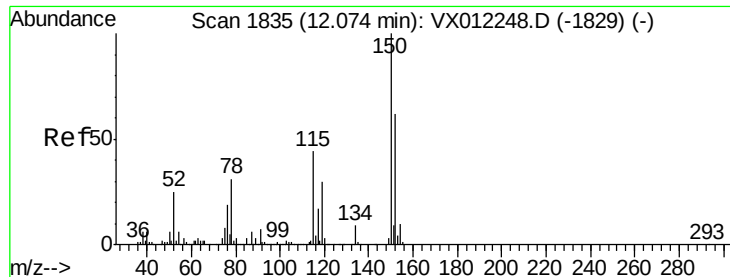


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012357.D

Acq: 12 Sep 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

SB-13-14.5-15.0

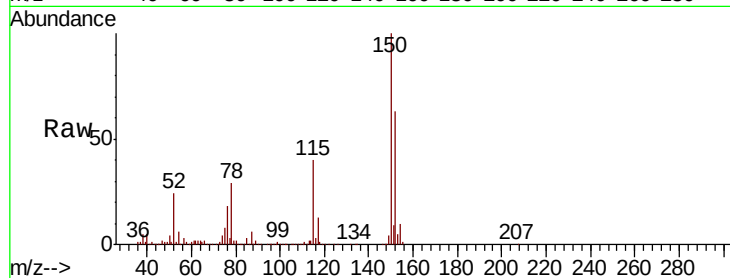
Tgt Ion:152 Resp: 117221

Ion Ratio Lower Upper

152 100

115 64.2 45.5 136.4

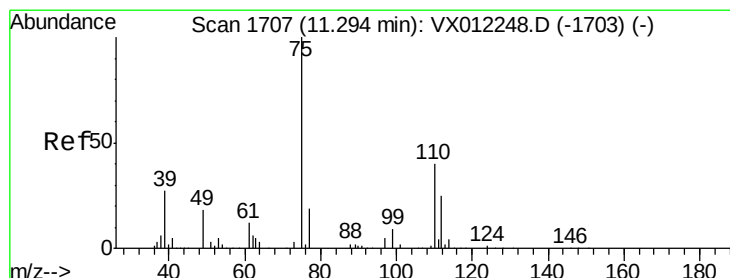
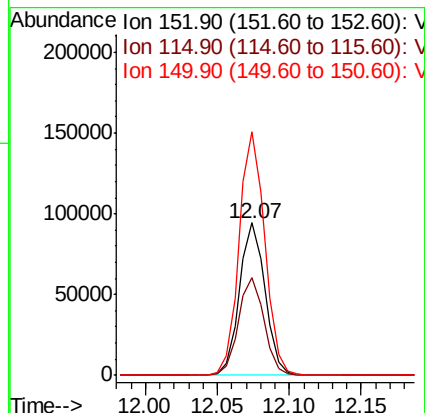
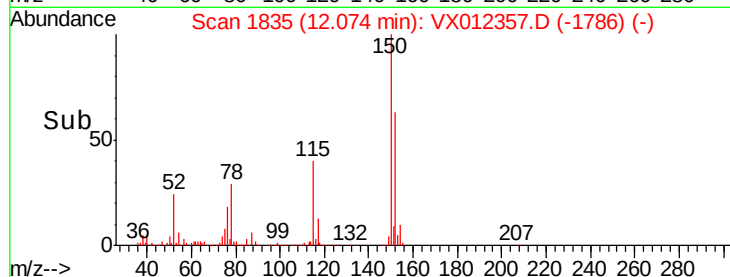
150 159.7 0.0 346.4



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: 45.529 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012357.D

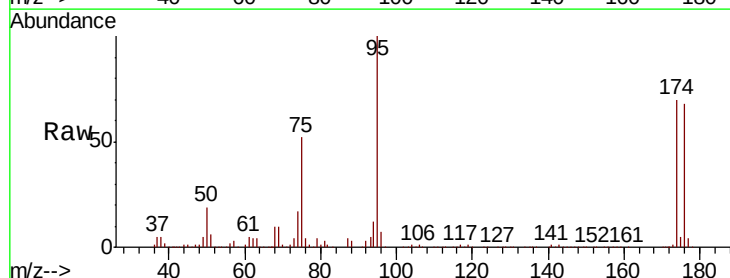
Acq: 12 Sep 2019 19:47

Tgt Ion: 75 Resp: 68561

Ion Ratio Lower Upper

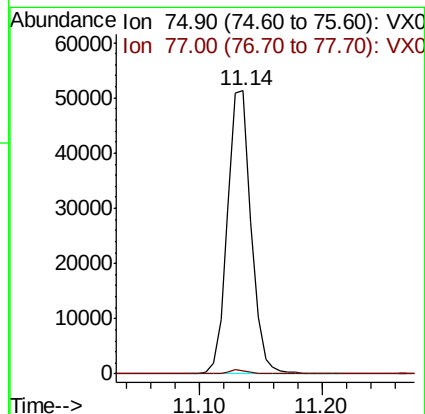
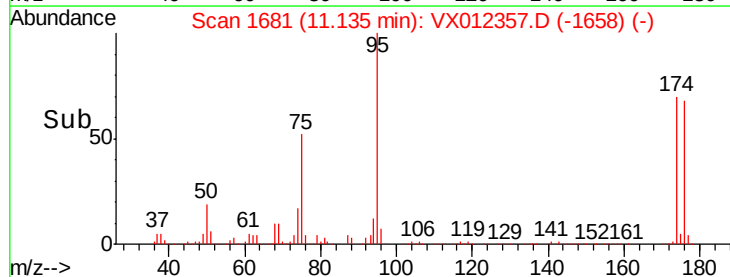
75 100

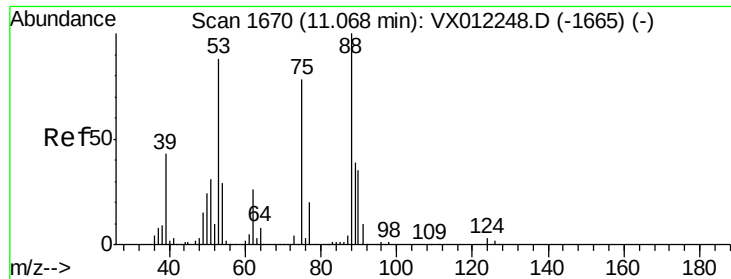
77 1.3 19.7 59.0#



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: 136.415 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012357.D

Acq: 12 Sep 2019 19:47

Instrument :

MSVOA_X

ClientSampleId :

SB-13-14.5-15.0

Tgt Ion: 75 Resp: 68561

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 43.5 65.3#

