

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012364.D
 Acq On : 12 Sep 2019 23:03
 Operator : SY/SP
 Sample : K4752-19
 Misc : 5.01g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-20-20.5-21.0

Quant Time: Sep 13 02:02:55 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	159415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105822	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	110610	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	5.48	113	80842	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
50) Toluene-d8	8.71	98	325235	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	11.14	95	124340	43.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.16%	

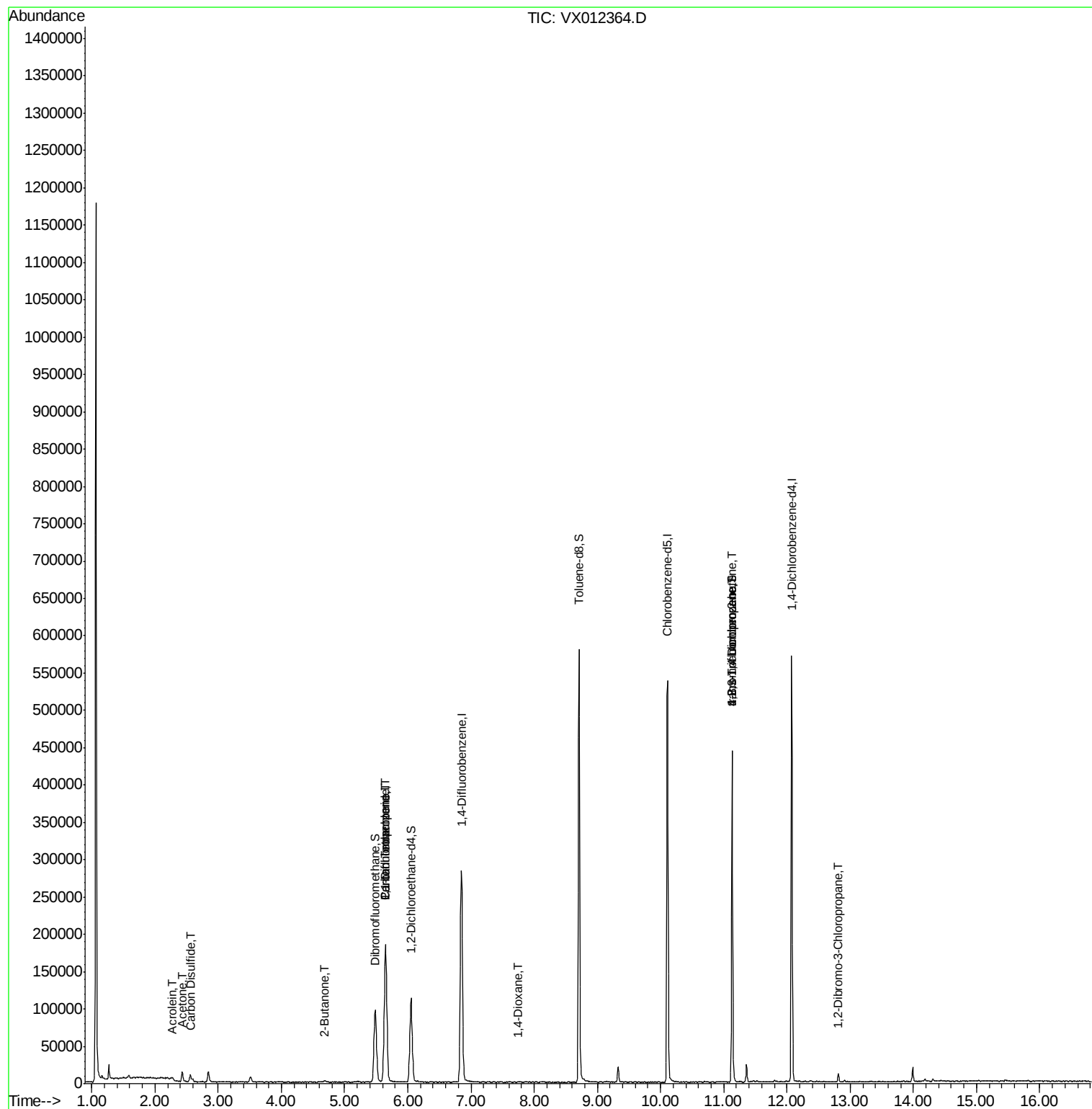
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	243	Below Cal		93
11) Tert butyl alcohol	3.04	59	739	Below Cal	#	81
13) Acrolein	2.28	56	270	2.292	ug/l #	12
16) Acetone	2.43	43	14433	27.051	ug/l	100
17) Carbon Disulfide	2.56	76	11829	4.670	ug/l	98
25) 2-Butanone	4.69	43	1998	2.929	ug/l #	86
36) 1,1-Dichloropropene	5.64	75	14231	7.129	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18505	7.901	ug/l #	15
49) 1,4-Dioxane	7.74	88	22	1.309	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	64277	47.282	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	64277	141.667	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.81	75	597	1.955	ug/l #	12

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
Data File : VX012364.D
Acq On : 12 Sep 2019 23:03
Operator : SY/SP
Sample : K4752-19
Misc : 5.01g/5.0mL/MSVOA_X/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SB-20-20.5-21.0

Quant Time: Sep 13 02:02:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
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: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

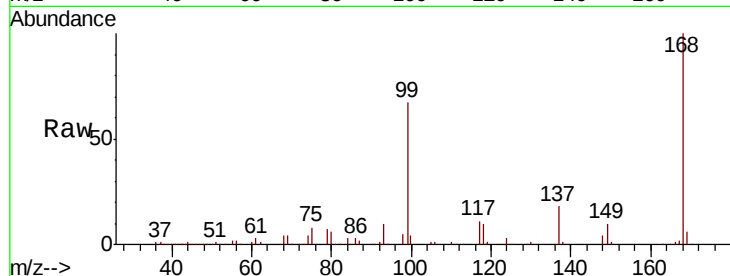
SB-20-20.5-21.0

Tgt Ion: 168 Resp: 159415

Ion Ratio Lower Upper

168 100

99 66.7 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

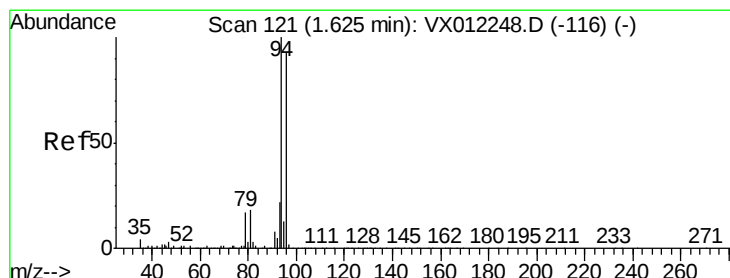
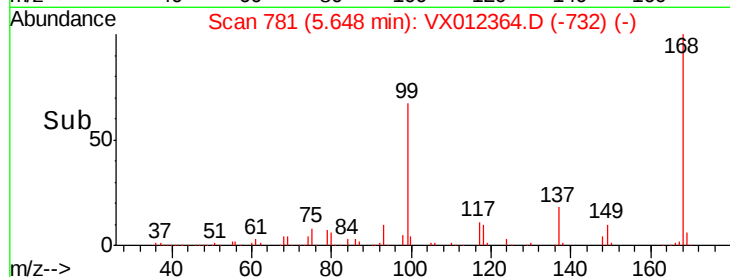
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012364.D

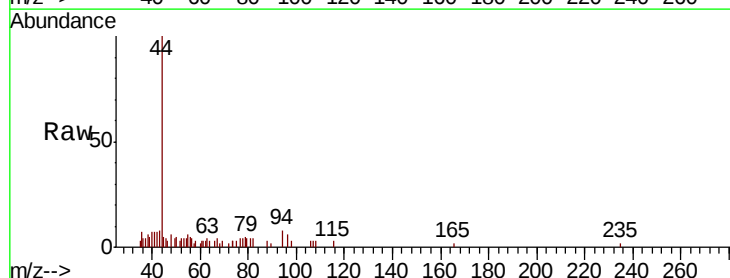
Acq: 12 Sep 2019 23:03

Tgt Ion: 94 Resp: 243

Ion Ratio Lower Upper

94 100

96 85.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

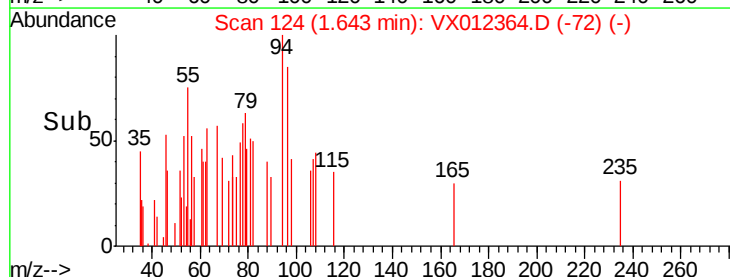
150

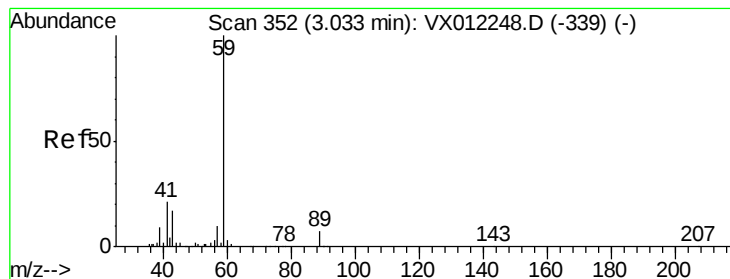
100

50

0

Time--> 1.60 1.62 1.64 1.66



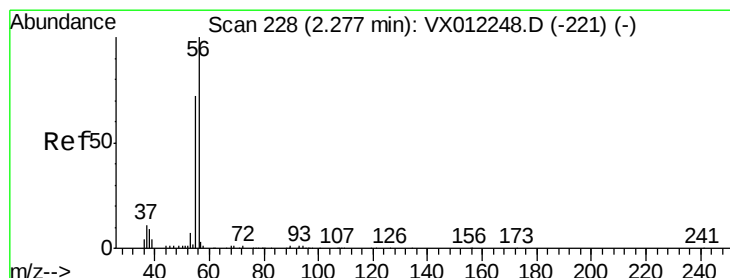
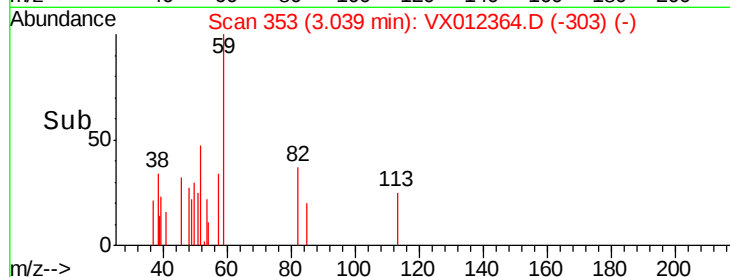
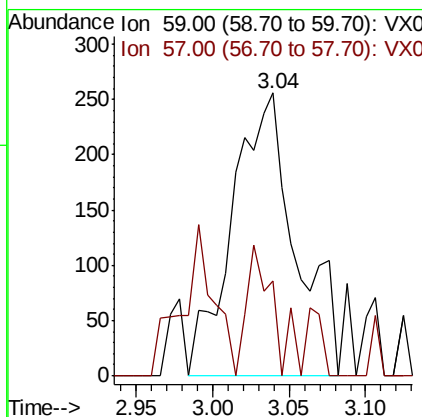
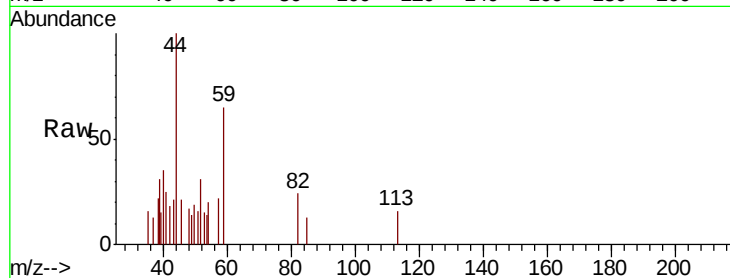


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX012364.D
 Acq: 12 Sep 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-20-20.5-21.0

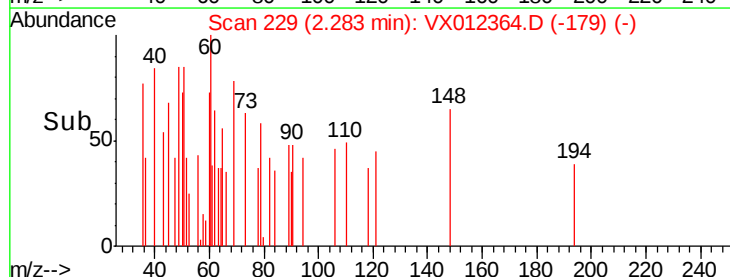
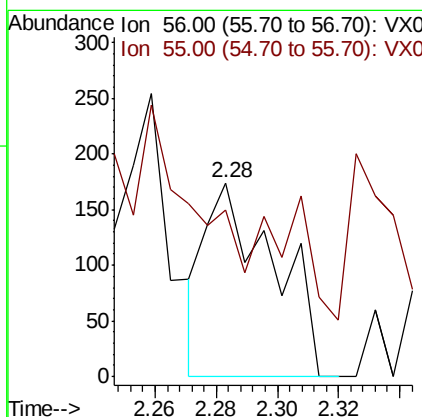
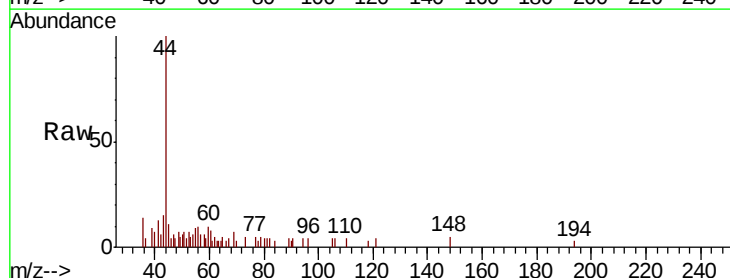
Tgt Ion: 59 Resp: 739
 Ion Ratio Lower Upper
 59 100
 57 16.6 7.8 11.6#

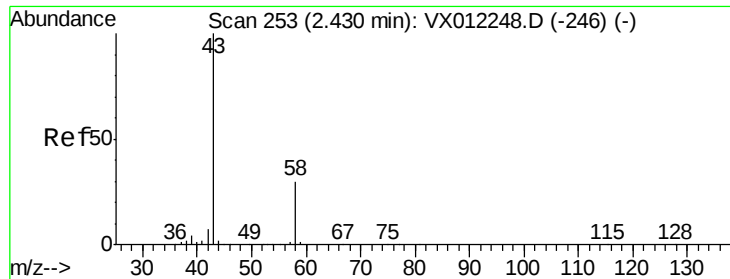


#13

Acrolein
 Concen: 2.292 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VX012364.D
 Acq: 12 Sep 2019 23:03

Tgt Ion: 56 Resp: 270
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.8 89.6#





#16

Acetone

Concen: 27.051 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

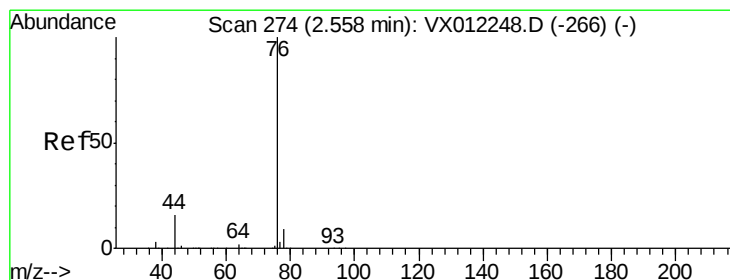
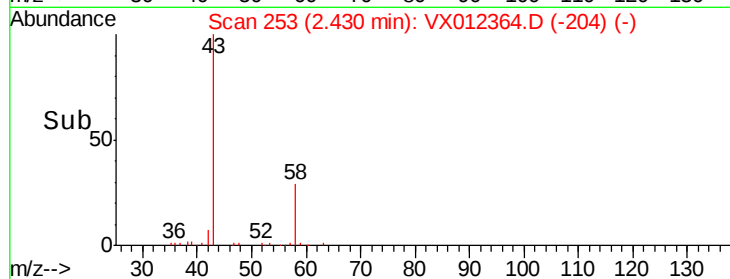
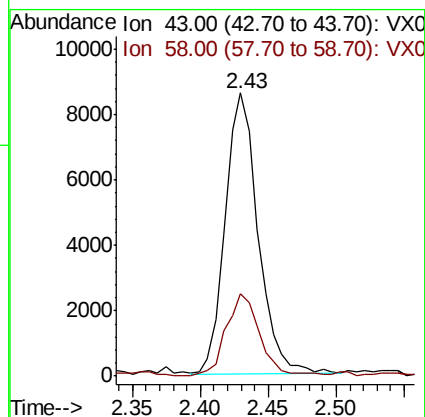
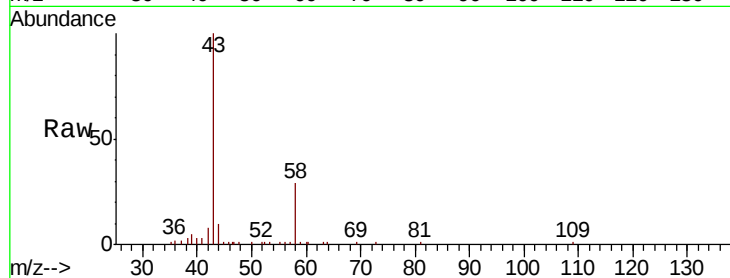
SB-20-20.5-21.0

Tgt Ion: 43 Resp: 14433

Ion Ratio Lower Upper

43 100

58 29.5 23.6 35.4



#17

Carbon Disulfide

Concen: 4.670 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012364.D

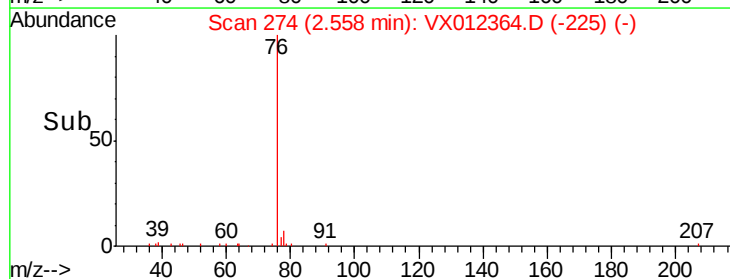
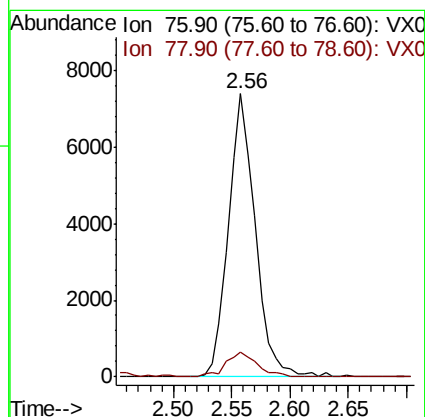
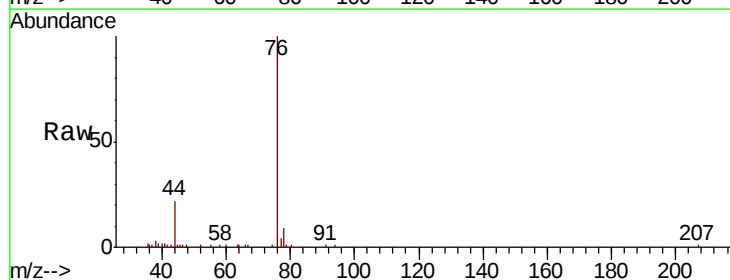
Acq: 12 Sep 2019 23:03

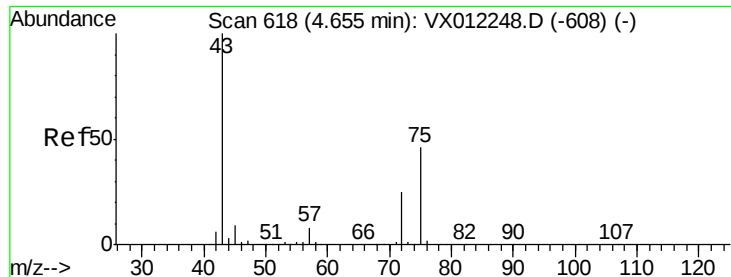
Tgt Ion: 76 Resp: 11829

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2





#25

2-Butanone

Concen: 2.929 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

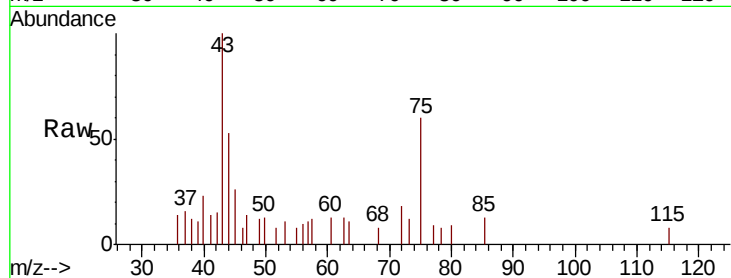
SB-20-20.5-21.0

Tgt Ion: 43 Resp: 1998

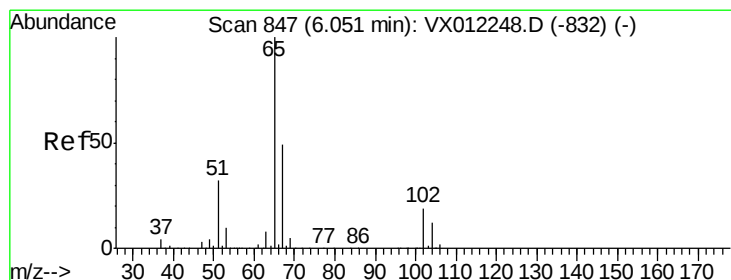
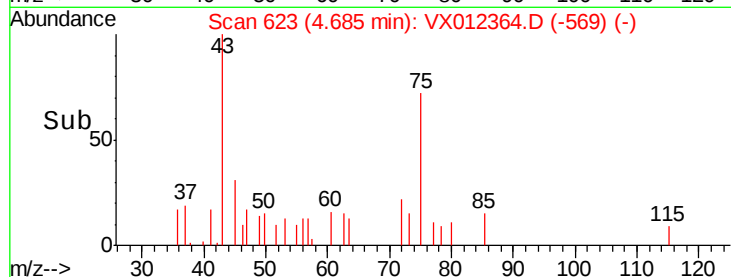
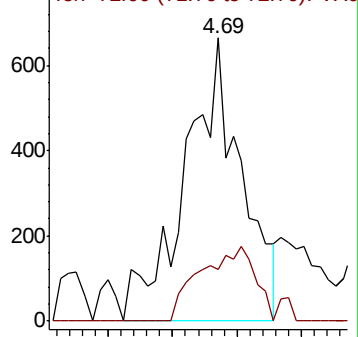
Ion Ratio Lower Upper

43 100

72 18.1 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.077 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012364.D

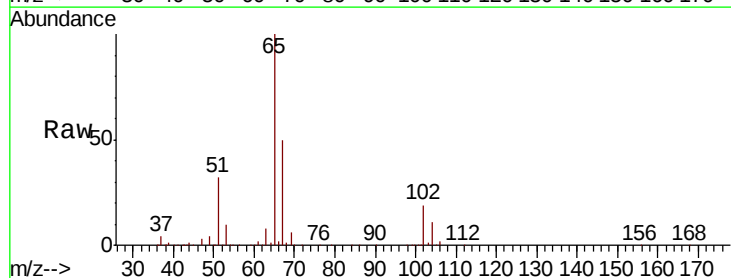
Acq: 12 Sep 2019 23:03

Tgt Ion: 65 Resp: 110610

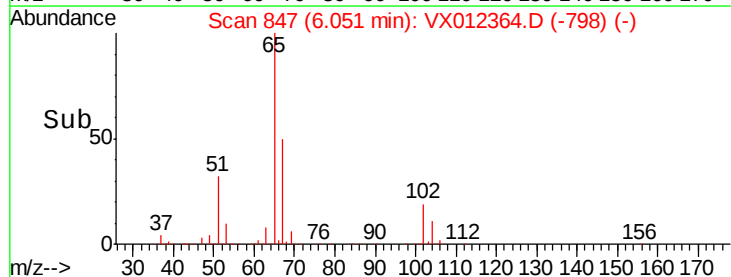
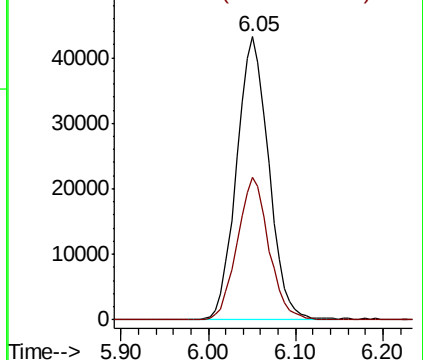
Ion Ratio Lower Upper

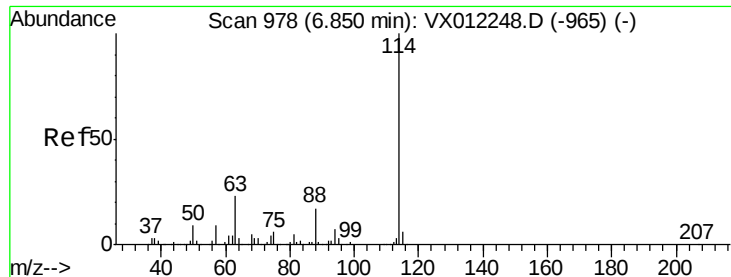
65 100

67 49.5 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

SB-20-20.5-21.0

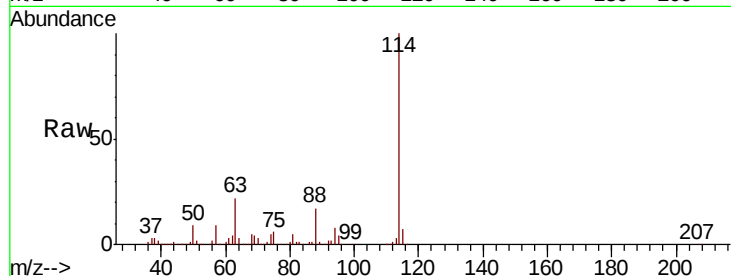
Tgt Ion:114 Resp: 273754

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

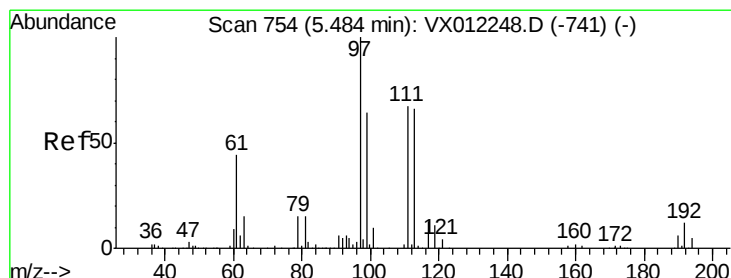
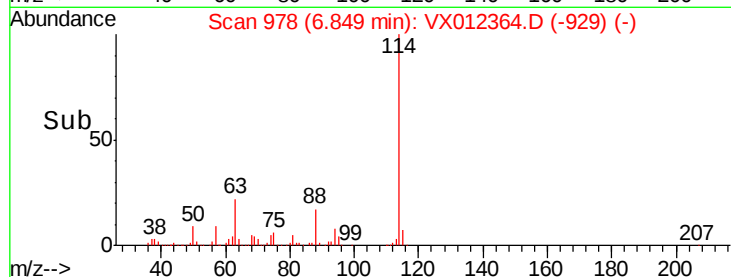
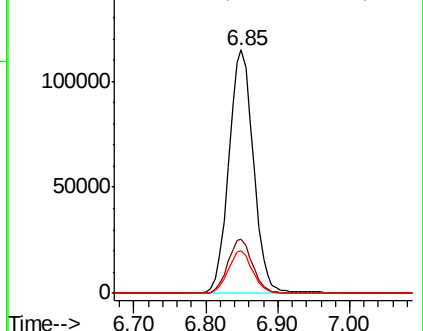
88 17.4 0.0 34.8



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



#35

Dibromofluoromethane

Concen: 46.067 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

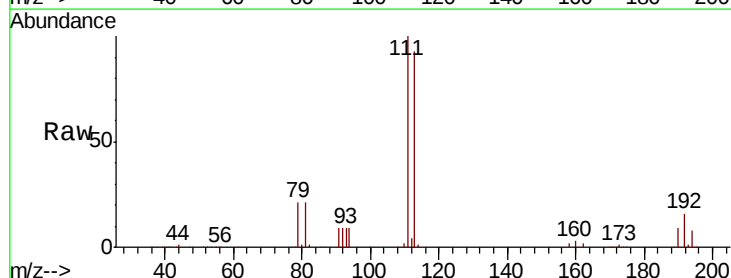
Tgt Ion:113 Resp: 80842

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

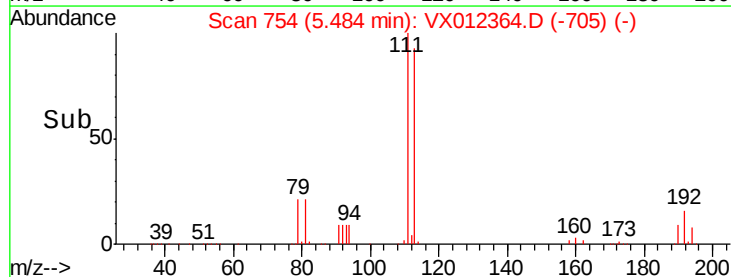
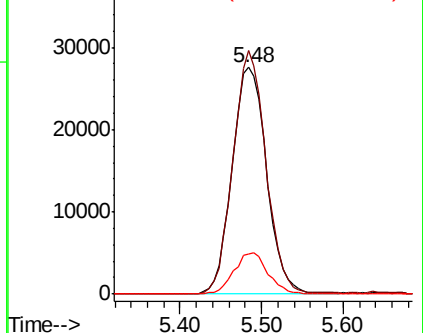
192 17.8 14.3 21.5

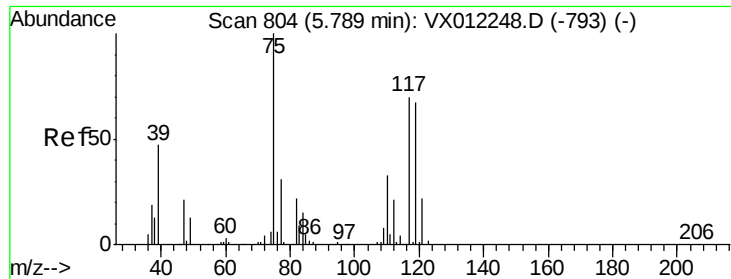


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

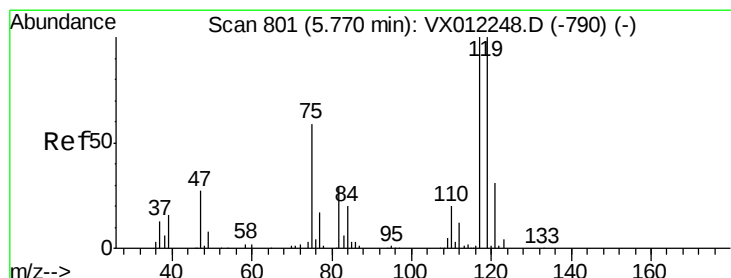
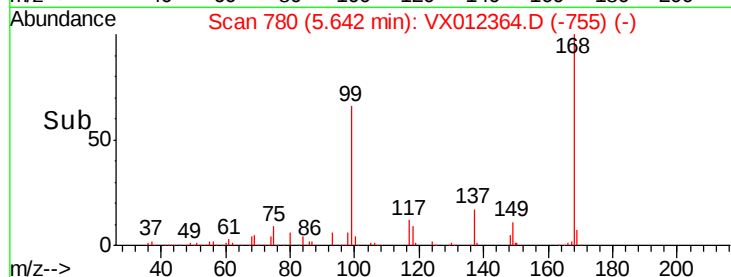
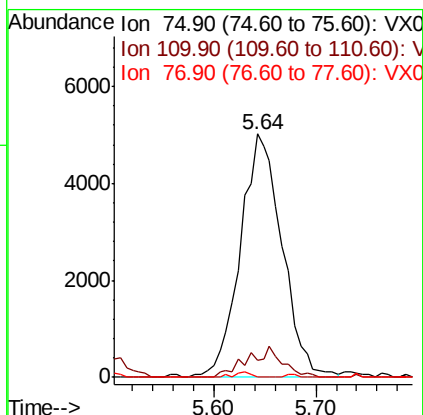
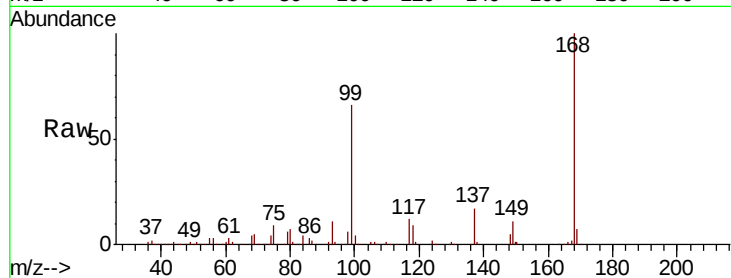




#36
 1,1-Dichloropropene
 Concen: 7.129 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012364.D
 Acq: 12 Sep 2019 23:03

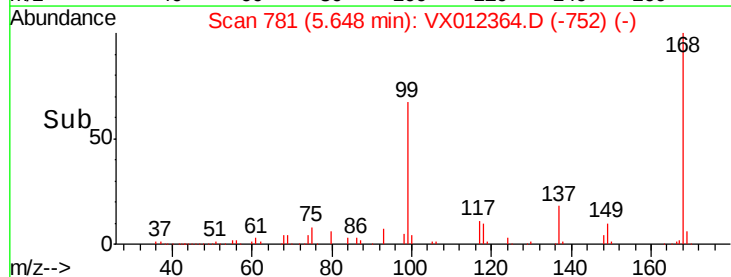
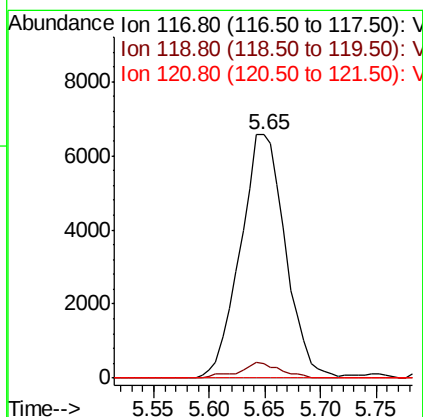
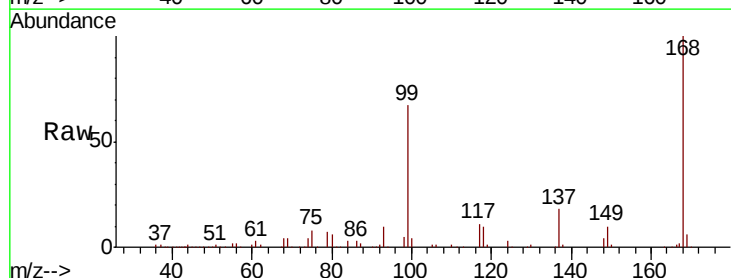
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-20-20.5-21.0

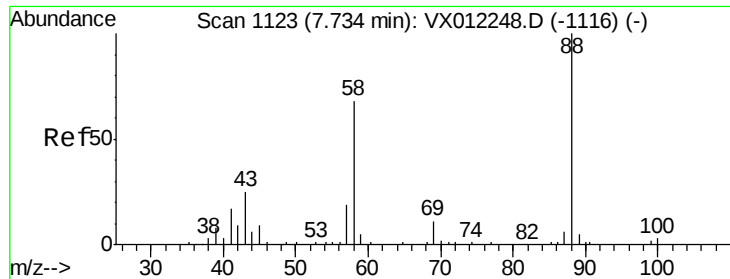
Tgt Ion: 75 Resp: 14231
 Ion Ratio Lower Upper
 75 100
 110 10.7 16.8 50.4#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.901 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012364.D
 Acq: 12 Sep 2019 23:03

Tgt Ion: 117 Resp: 18505
 Ion Ratio Lower Upper
 117 100
 119 6.1 79.6 119.4#
 121 0.0 24.7 37.1#

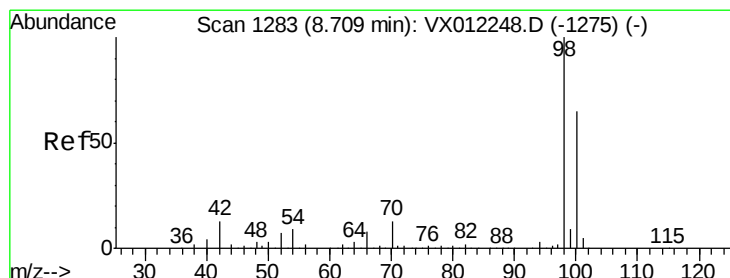
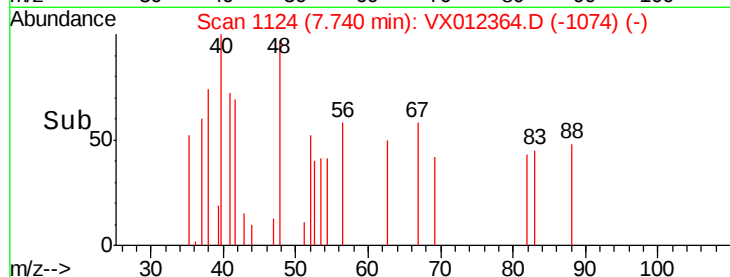
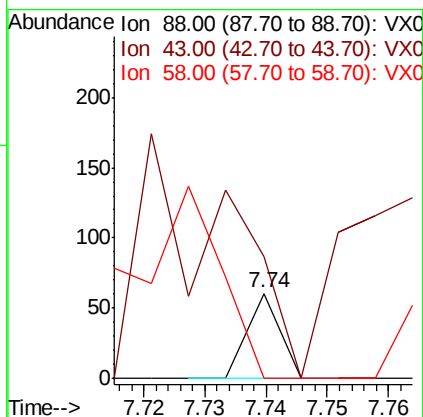
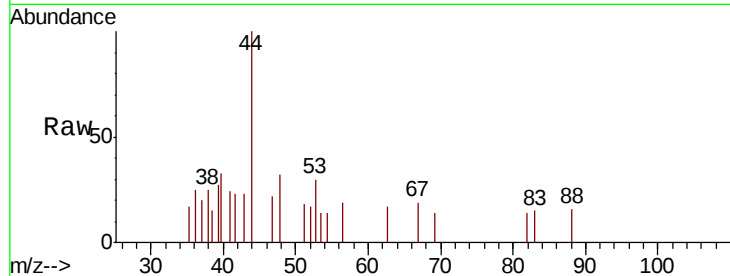




#49
1,4-Dioxane
Concen: 1.309 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012364.D
Acq: 12 Sep 2019 23:03

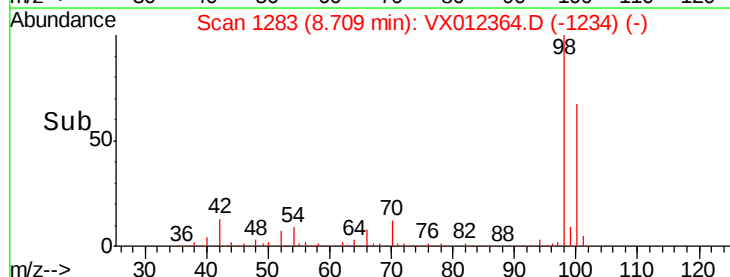
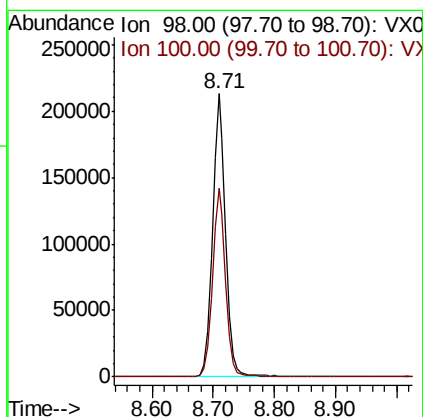
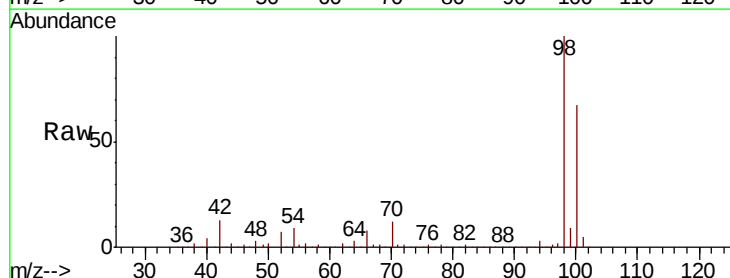
Instrument :
MSVOA_X
ClientSampleId :
SB-20-20.5-21.0

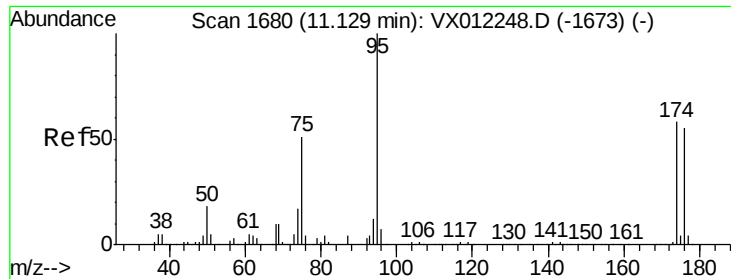
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 754.5 31.0 46.4#
58 590.9 61.5 92.3#



#50
Toluene-d8
Concen: 52.841 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012364.D
Acq: 12 Sep 2019 23:03

Tgt Ion: 98 Resp: 325235
Ion Ratio Lower Upper
98 100
100 66.8 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 43.575 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

SB-20-20.5-21.0

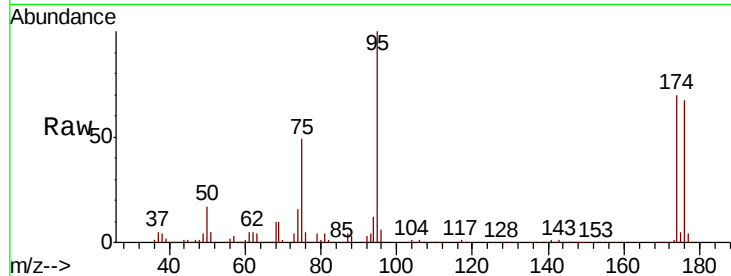
Tgt Ion: 95 Resp: 124340

Ion Ratio Lower Upper

95 100

174 68.3 0.0 127.0

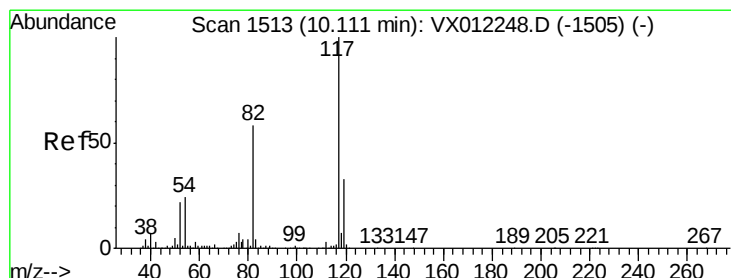
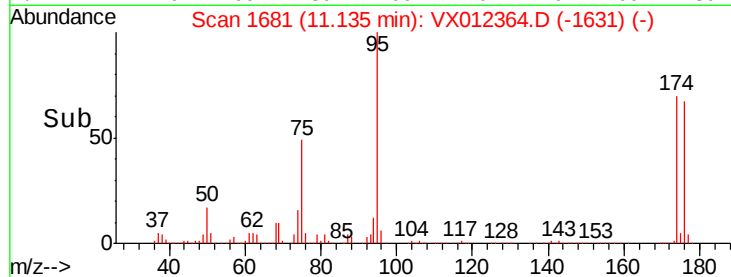
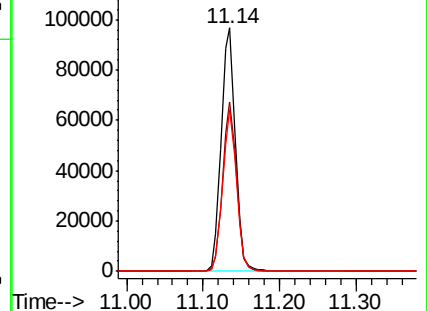
176 65.1 0.0 125.8



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: VX012364.D

Acq: 12 Sep 2019 23:03

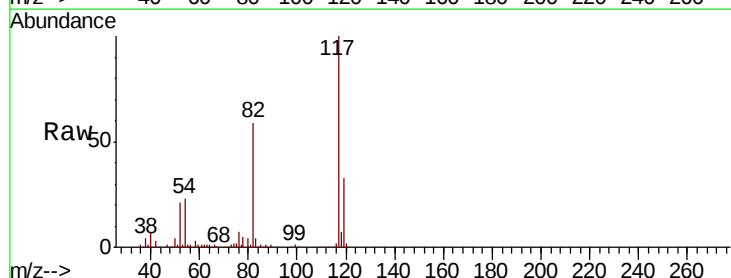
Tgt Ion: 117 Resp: 239224

Ion Ratio Lower Upper

117 100

82 59.1 46.4 69.6

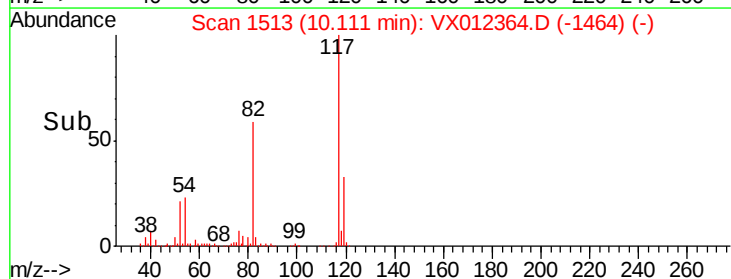
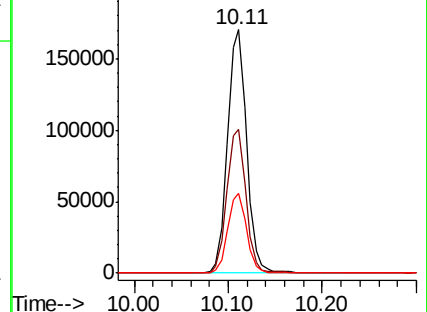
119 32.8 26.6 39.8

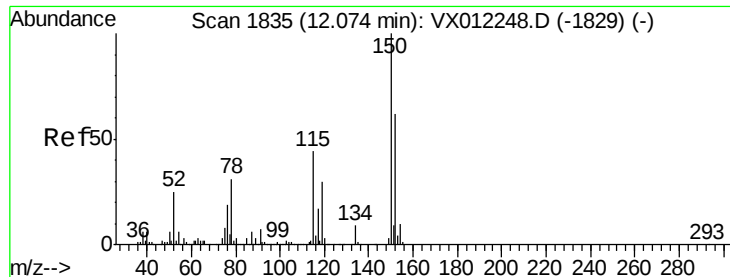


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

SB-20-20.5-21.0

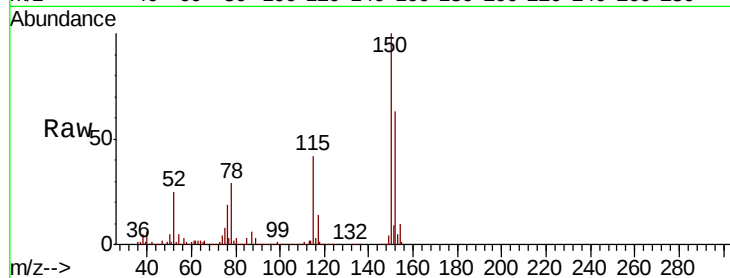
Tgt Ion: 152 Resp: 105822

Ion Ratio Lower Upper

152 100

115 65.3 45.5 136.4

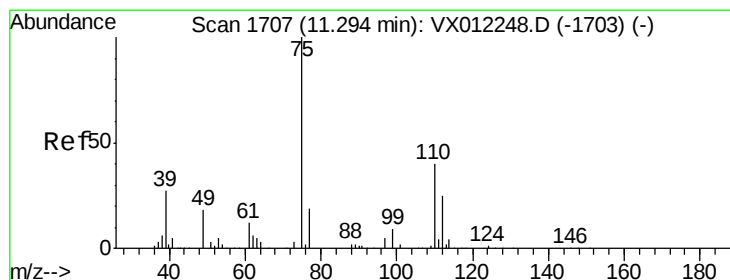
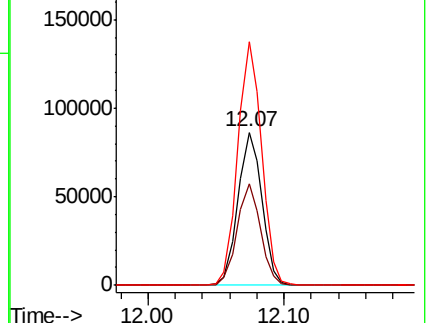
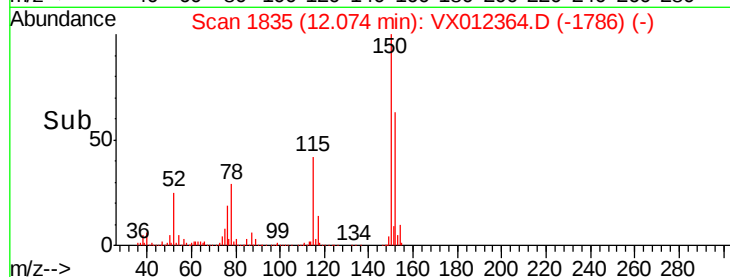
150 159.0 0.0 346.4



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: 47.282 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012364.D

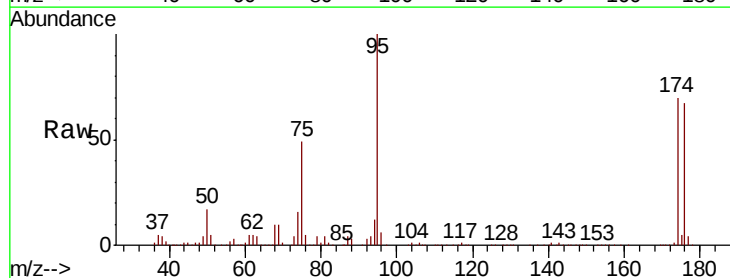
Acq: 12 Sep 2019 23:03

Tgt Ion: 75 Resp: 64277

Ion Ratio Lower Upper

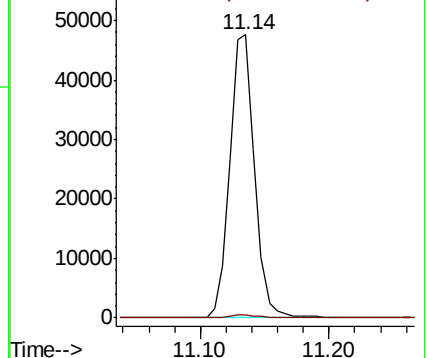
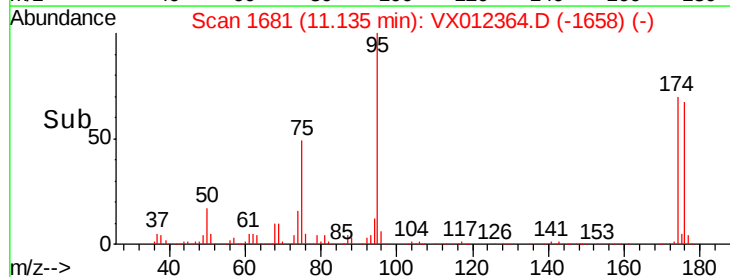
75 100

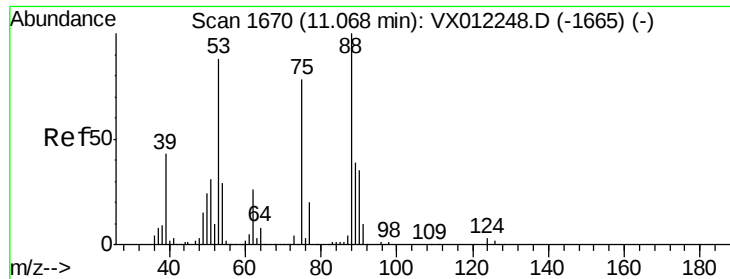
77 1.3 19.7 59.0#



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: 141.667 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

SB-20-20.5-21.0

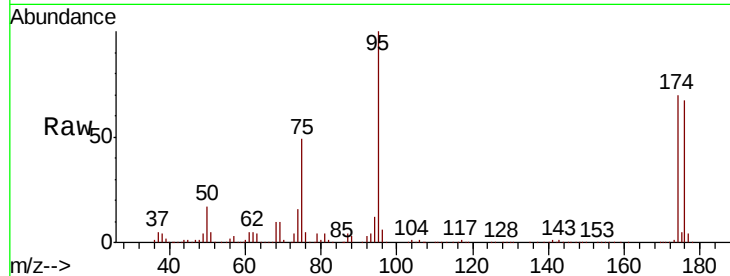
Tgt Ion: 75 Resp: 64277

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

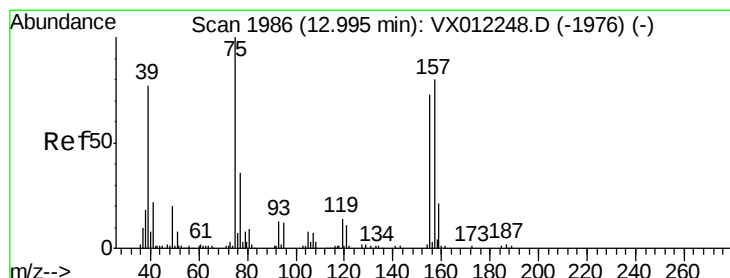
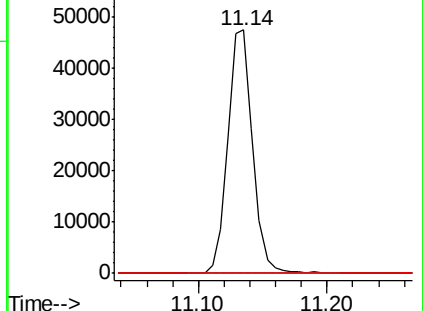
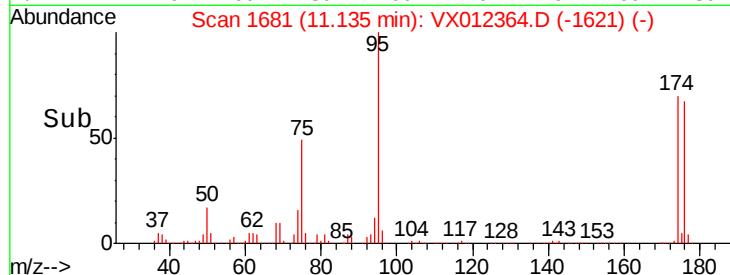
89 0.0 43.5 65.3#



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: 1.955 ug/l

RT: 12.81 min Scan# 1956

Delta R.T. -0.18 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

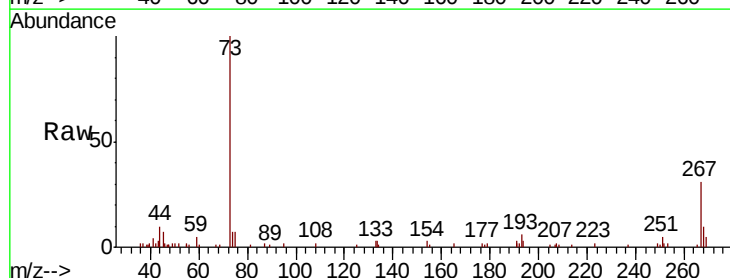
Tgt Ion: 75 Resp: 597

Ion Ratio Lower Upper

75 100

155 3.5 35.3 105.7#

157 0.0 43.2 129.6#



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

