

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012356.D
 Acq On : 12 Sep 2019 19:19
 Operator : SY/SP
 Sample : K4752-03
 Misc : 5.10g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-10-9.5-10.0

Quant Time: Sep 13 02:01:25 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	165312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279474	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117576	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	112852	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	5.48	113	83143	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	8.71	98	334444	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
62) 4-Bromofluorobenzene	11.14	95	131553	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

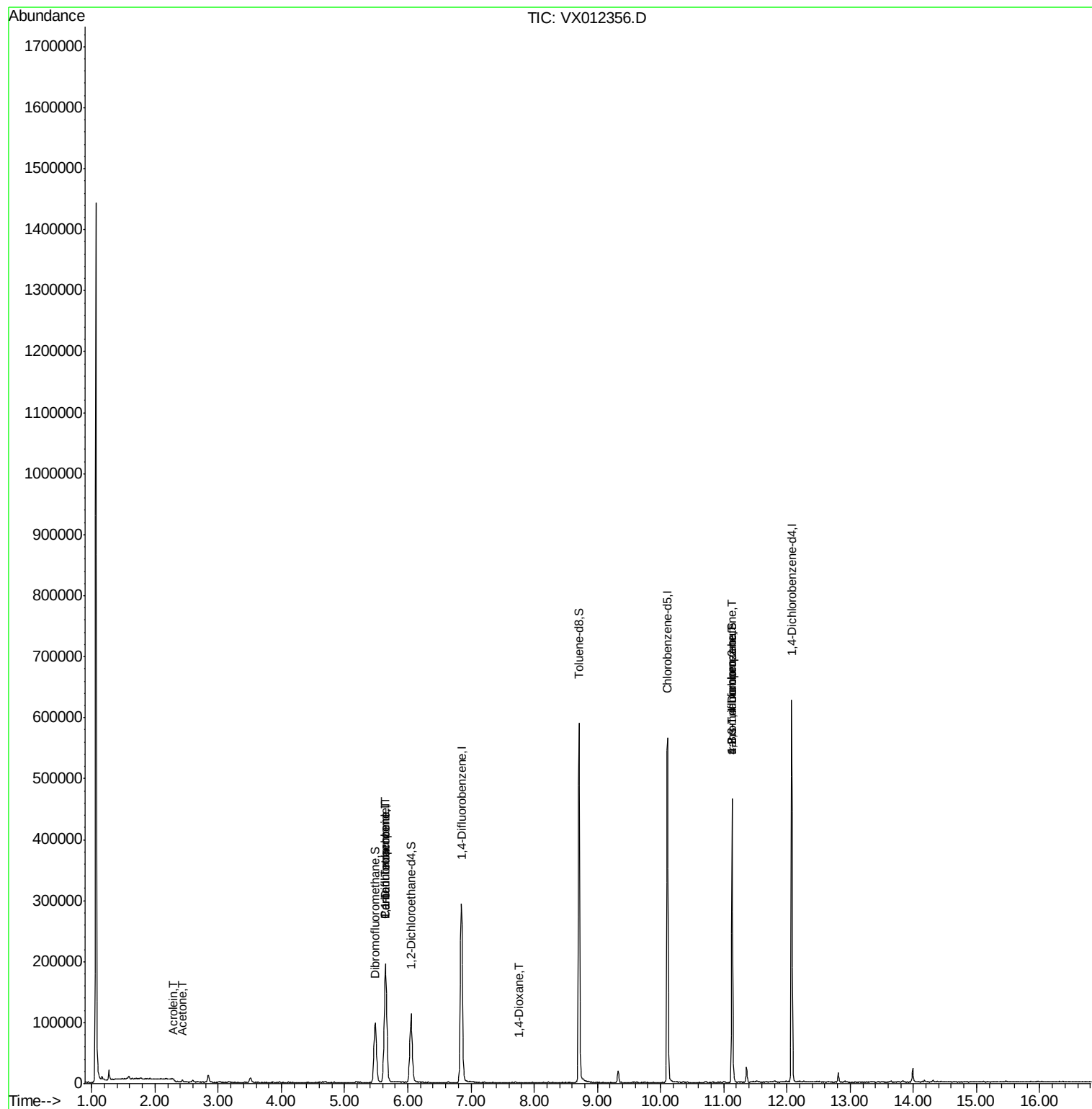
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	471	Below Cal	#	53
11) Tert butyl alcohol	3.04	59	597	Below Cal	#	86
13) Acrolein	2.29	56	356	2.914	ug/l #	3
16) Acetone	2.43	43	3665	6.624	ug/l	94
36) 1,1-Dichloropropene	5.64	75	14725	7.226	ug/l #	53
38) Carbon Tetrachloride	5.65	117	18815	7.869	ug/l #	14
49) 1,4-Dioxane	7.76	88	21	1.224	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	68405	45.288	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	68405	135.694	ug/l #	5

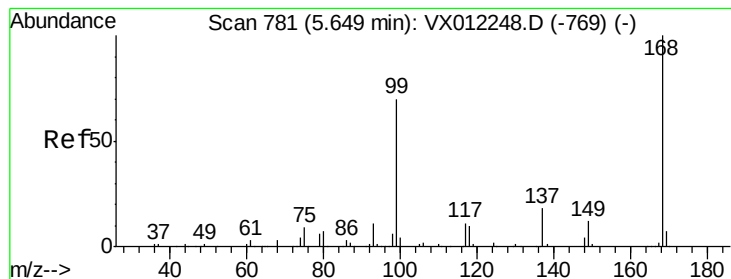
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012356.D

Acq: 12 Sep 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

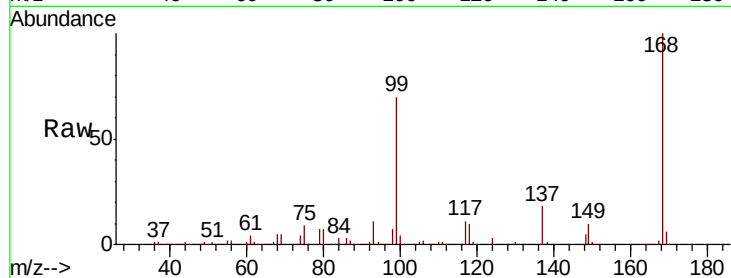
SB-10-9.5-10.0

Tgt Ion: 168 Resp: 165312

Ion Ratio Lower Upper

168 100

99 70.0 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

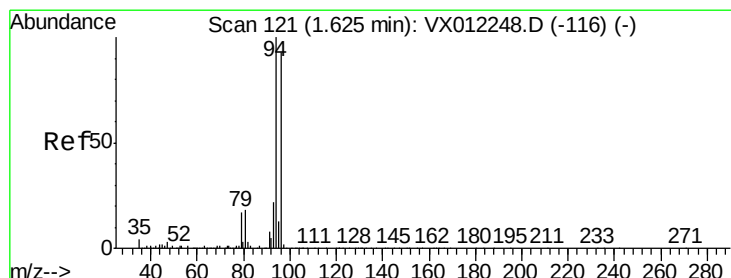
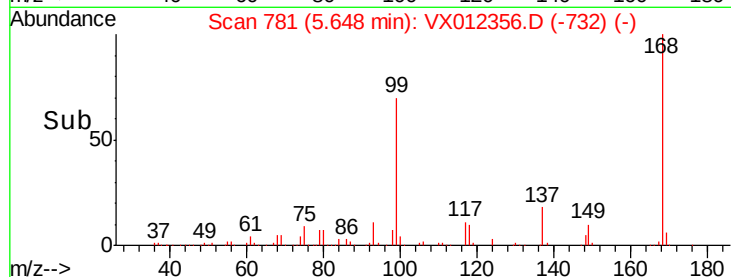
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012356.D

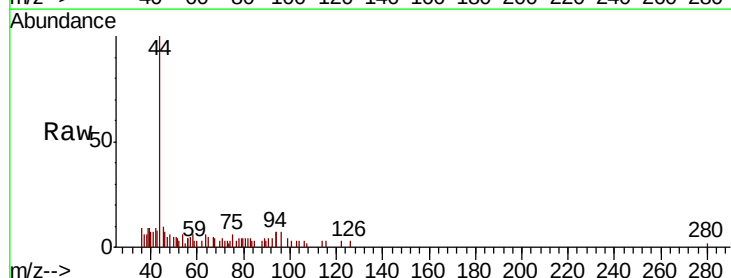
Acq: 12 Sep 2019 19:19

Tgt Ion: 94 Resp: 471

Ion Ratio Lower Upper

94 100

96 47.3 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

300

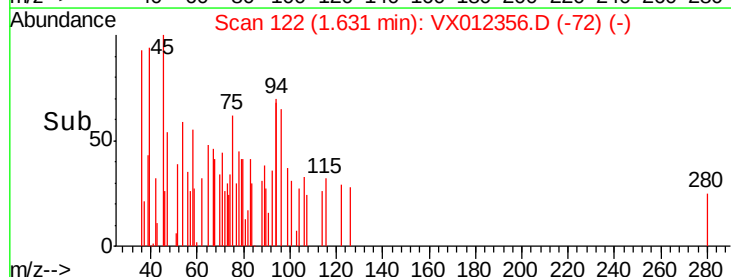
200

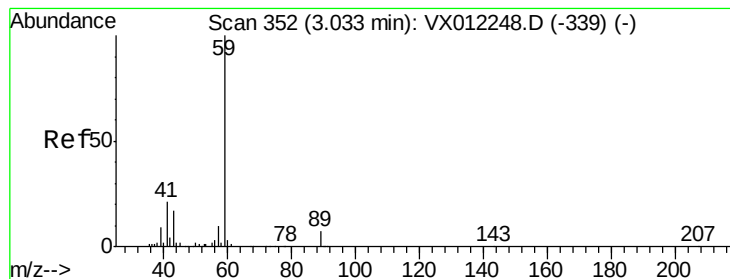
100

0

Time-->

1.60 1.65 1.70



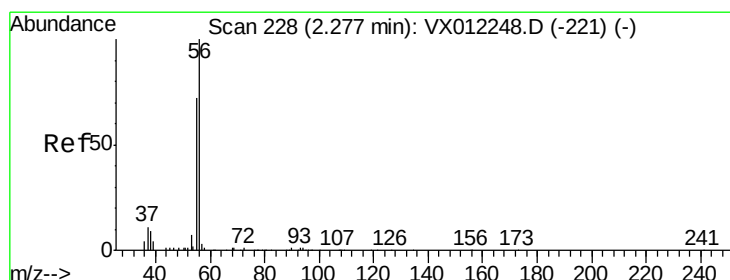
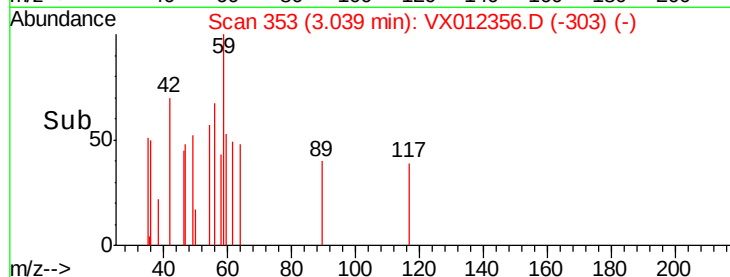
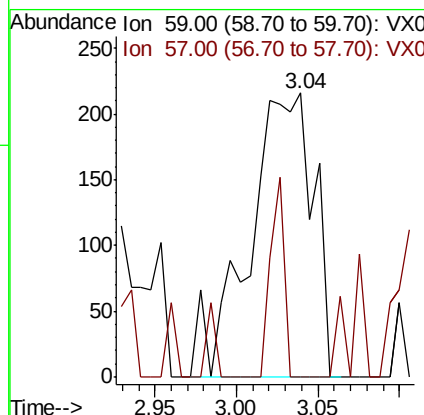
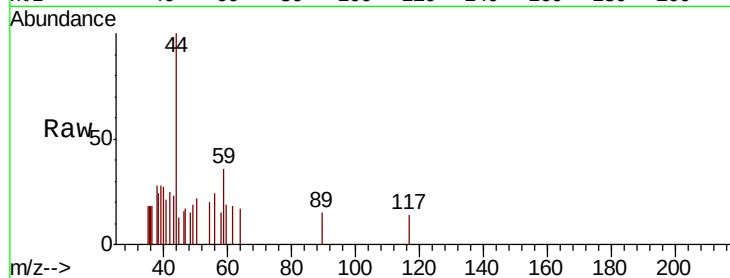


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX012356.D
 Acq: 12 Sep 2019 19:19

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-10-9.5-10.0

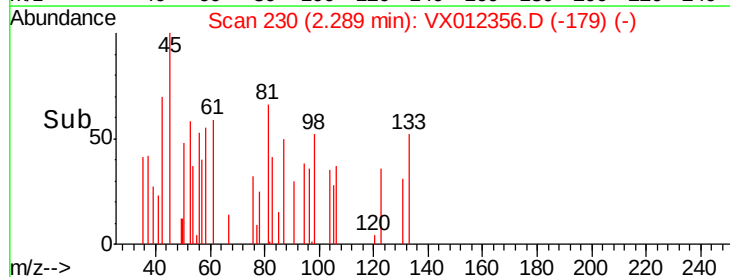
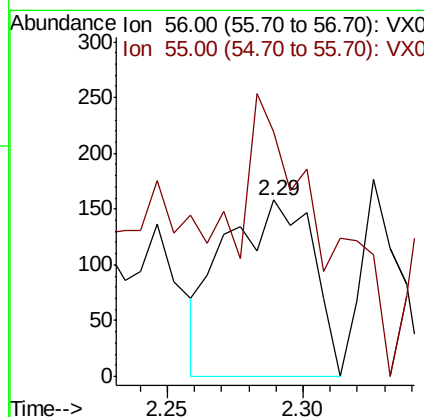
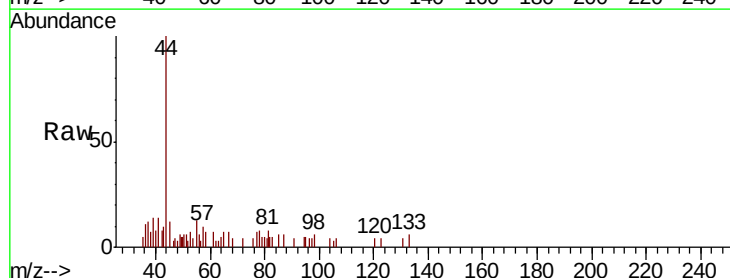
Tgt Ion: 59 Resp: 597
 Ion Ratio Lower Upper
 59 100
 57 14.9 7.8 11.6#

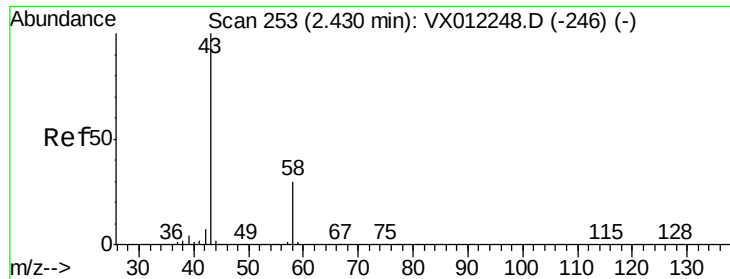


#13

Acrolein
 Concen: 2.914 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX012356.D
 Acq: 12 Sep 2019 19:19

Tgt Ion: 56 Resp: 356
 Ion Ratio Lower Upper
 56 100
 55 157.0 59.8 89.6#





#16

Acetone

Concen: 6.624 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012356.D

Acq: 12 Sep 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

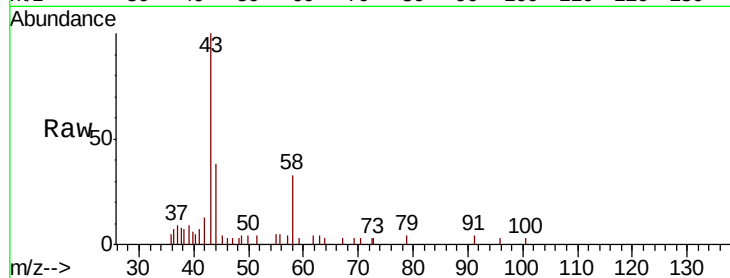
SB-10-9.5-10.0

Tgt Ion: 43 Resp: 3665

Ion Ratio Lower Upper

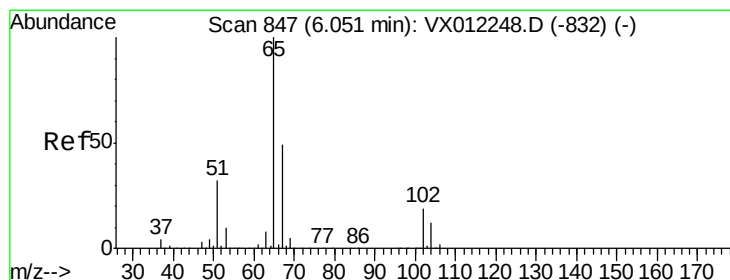
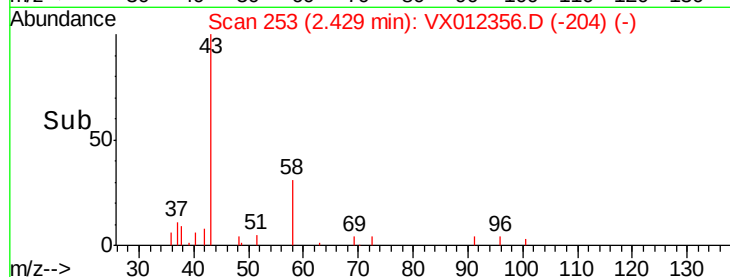
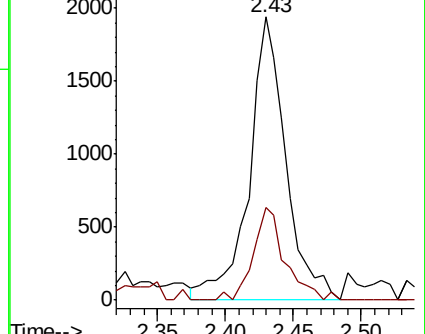
43 100

58 32.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.285 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012356.D

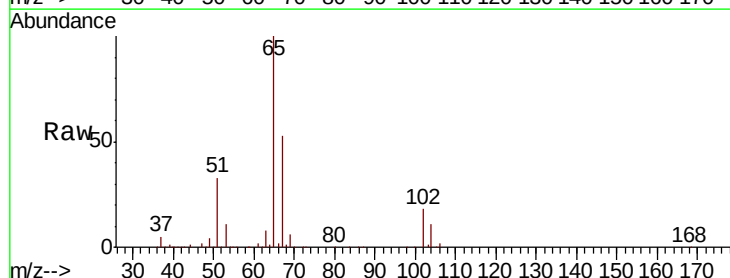
Acq: 12 Sep 2019 19:19

Tgt Ion: 65 Resp: 112852

Ion Ratio Lower Upper

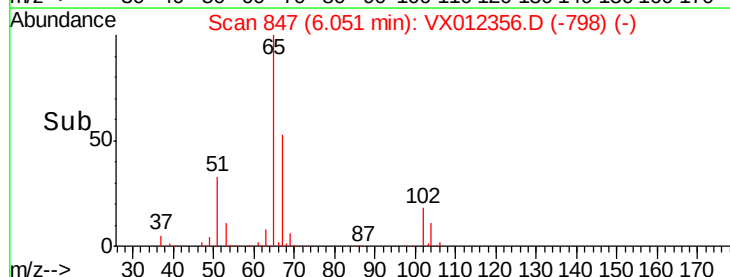
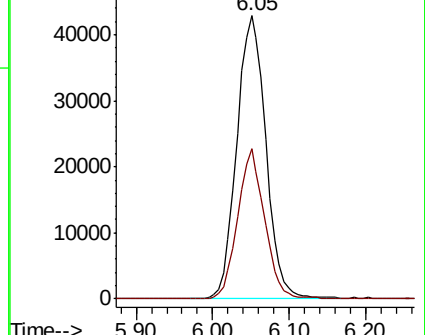
65 100

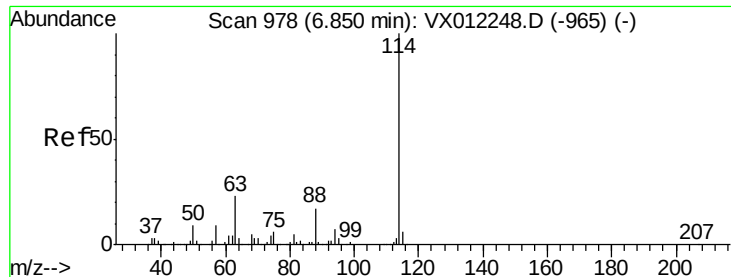
67 49.3 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

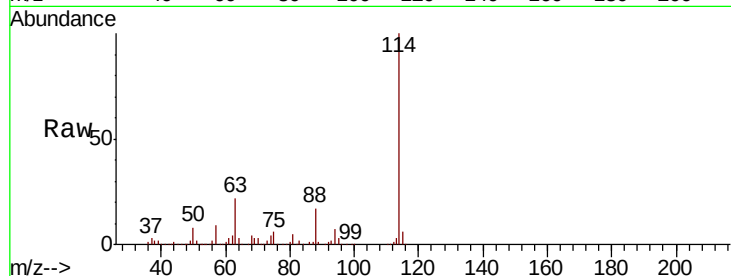




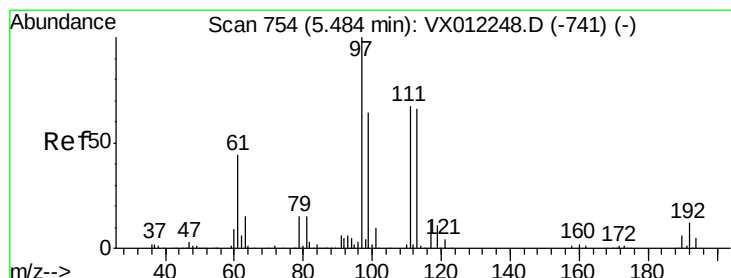
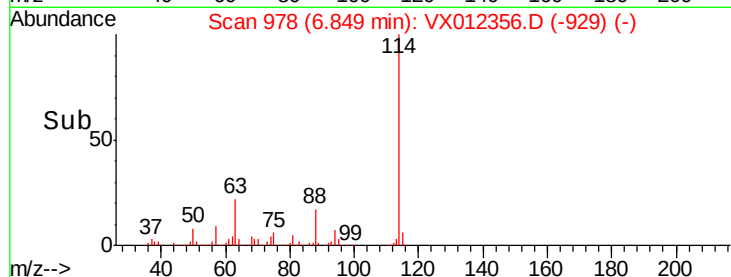
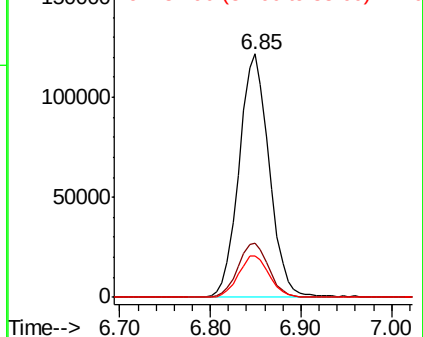
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012356.D
 Acq: 12 Sep 2019 19:19

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-10-9.5-10.0

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.2
88	17.0	0.0	34.8

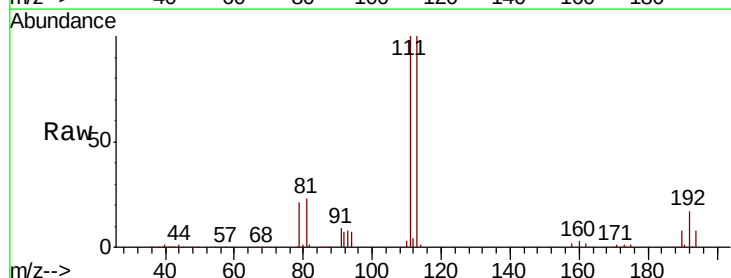


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

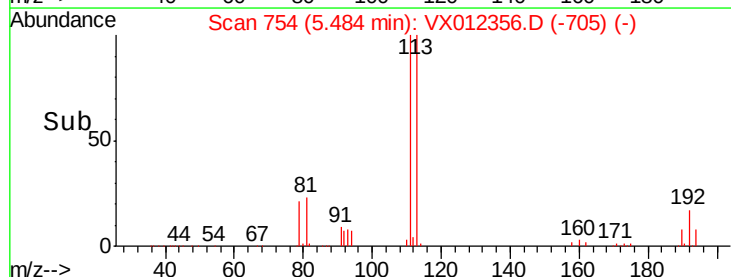
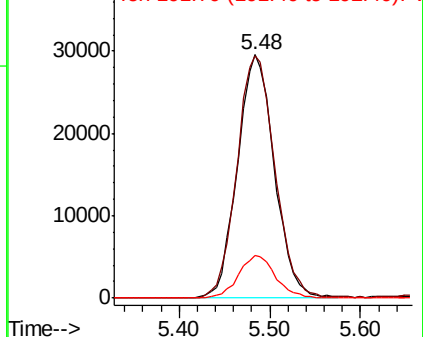


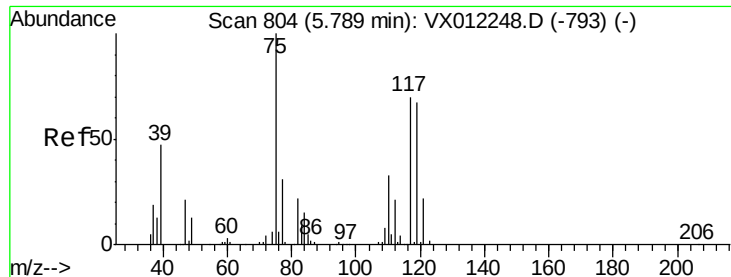
#35
 Dibromofluoromethane
 Concen: 46.408 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012356.D
 Acq: 12 Sep 2019 19:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.6
192	17.5	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: 7.226 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012356.D

Acq: 12 Sep 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

SB-10-9.5-10.0

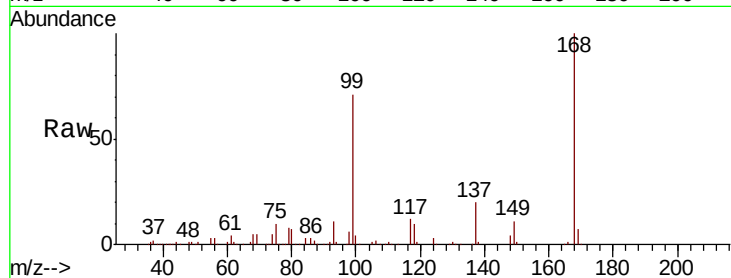
Tgt Ion: 75 Resp: 14725

Ion Ratio Lower Upper

75 100

110 10.9 16.8 50.4#

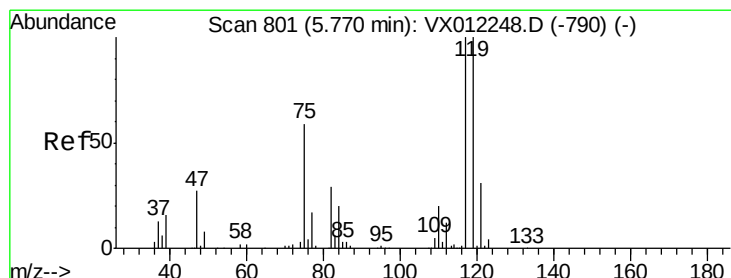
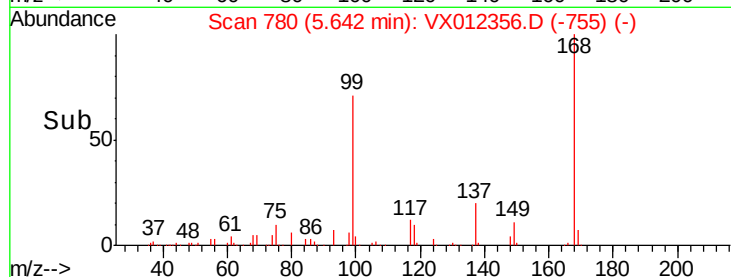
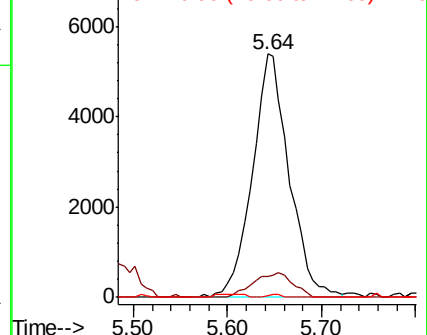
77 0.4 24.5 36.7#



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: 7.869 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012356.D

Acq: 12 Sep 2019 19:19

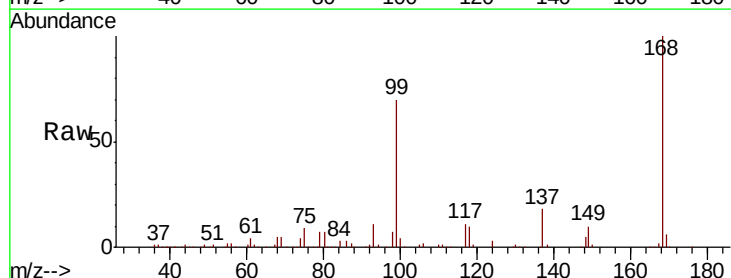
Tgt Ion: 117 Resp: 18815

Ion Ratio Lower Upper

117 100

119 4.7 79.6 119.4#

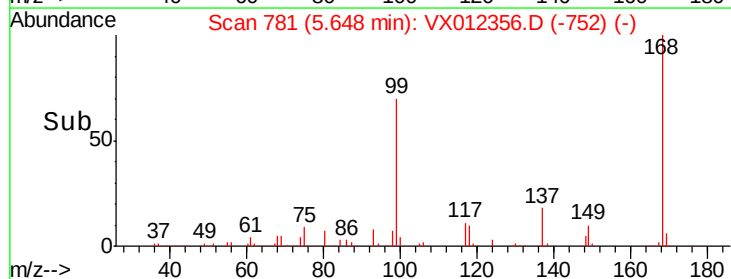
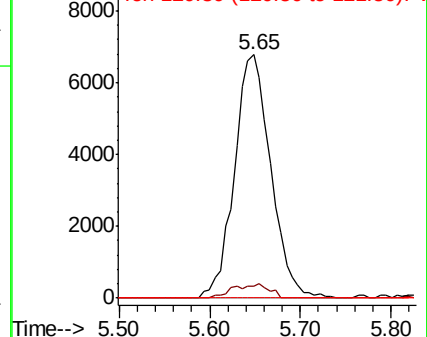
121 0.0 24.7 37.1#

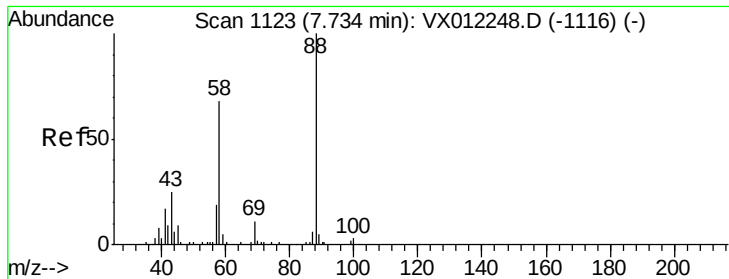


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.224 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.03 min

Lab File: VX012356.D

Acq: 12 Sep 2019 19:19

Instrument :

MSVOA_X

ClientSampled :

SB-10-9.5-10.0

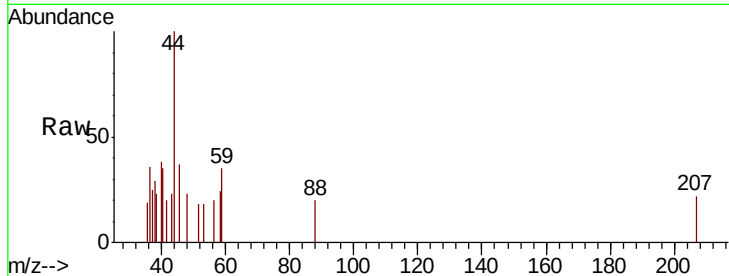
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 638.1 31.0 46.4#

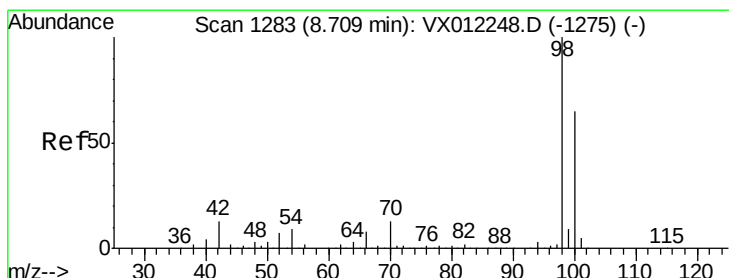
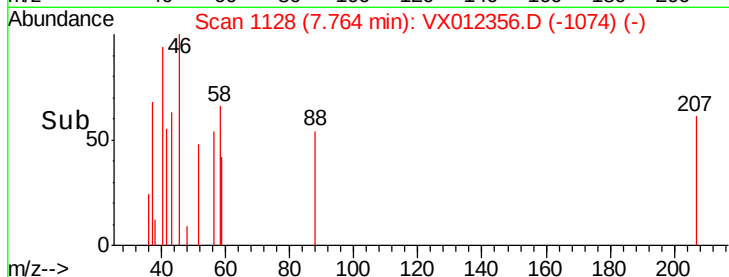
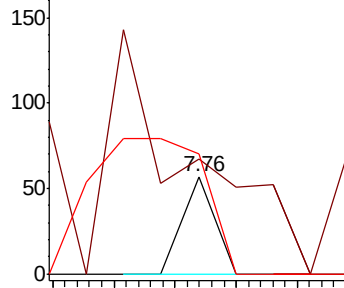
58 490.5 61.5 92.3#



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: 53.225 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012356.D

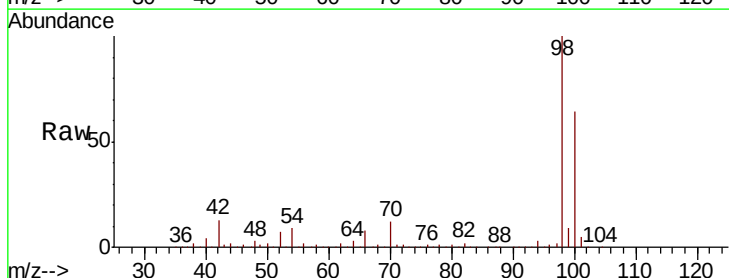
Acq: 12 Sep 2019 19:19

Tgt Ion: 98 Resp: 334444

Ion Ratio Lower Upper

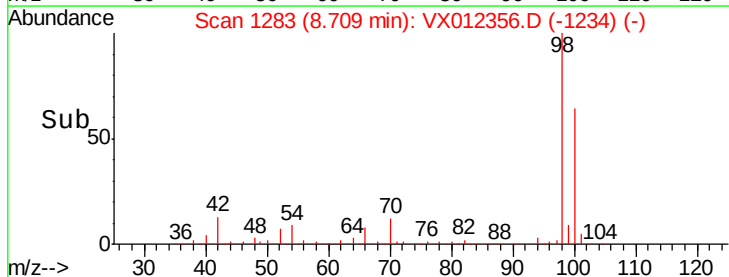
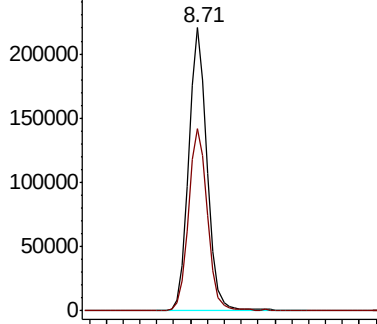
98 100

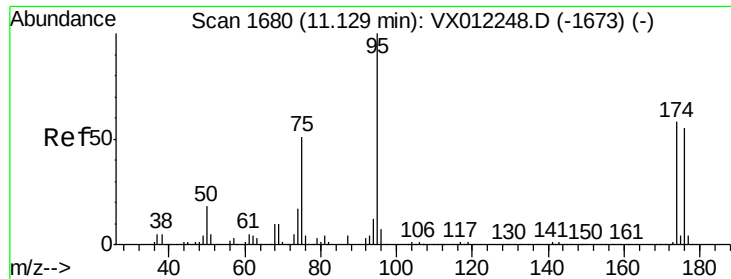
100 66.0 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.159 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012356.D

Acq: 12 Sep 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

SB-10-9.5-10.0

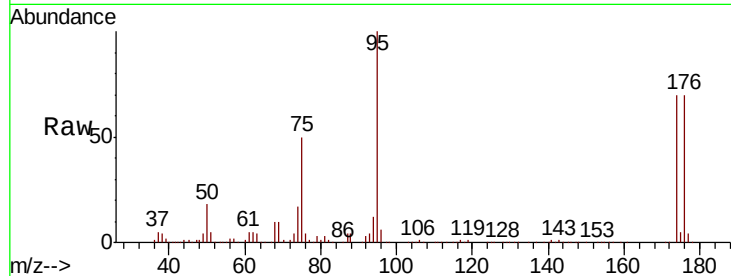
Tgt Ion: 95 Resp: 131553

Ion Ratio Lower Upper

95 100

174 67.8 0.0 127.0

176 64.9 0.0 125.8

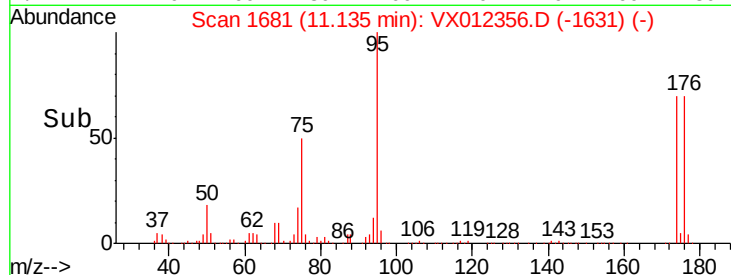


Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

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

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

Time-->

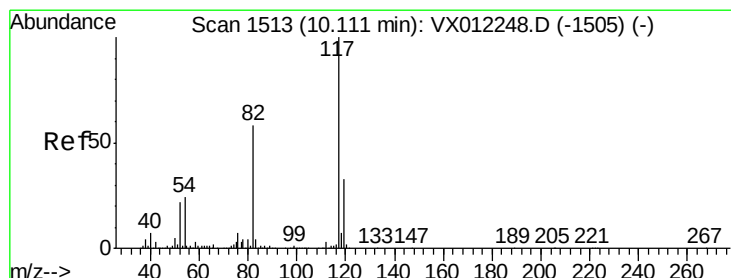


Abundance Ion 94.90 (94.60 to 95.60): VX012356.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX012356.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX012356.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012356.D

Acq: 12 Sep 2019 19:19

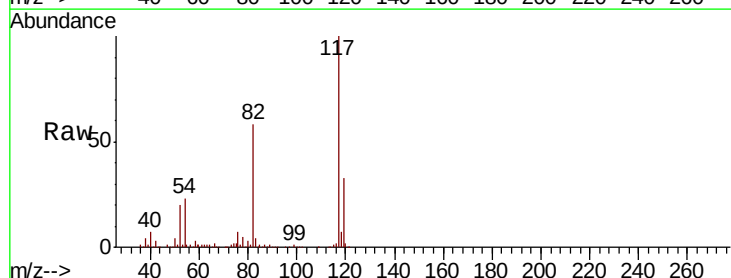
Tgt Ion: 117 Resp: 251681

Ion Ratio Lower Upper

117 100

82 57.9 46.4 69.6

119 32.8 26.6 39.8

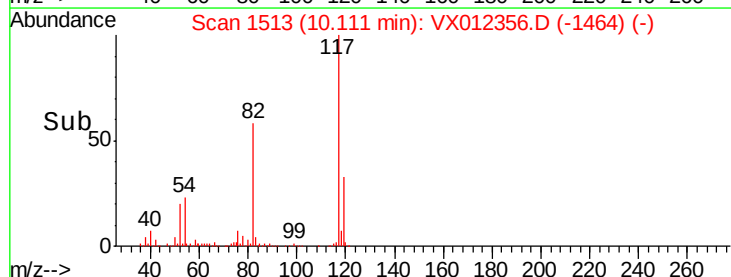


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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

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

Time-->

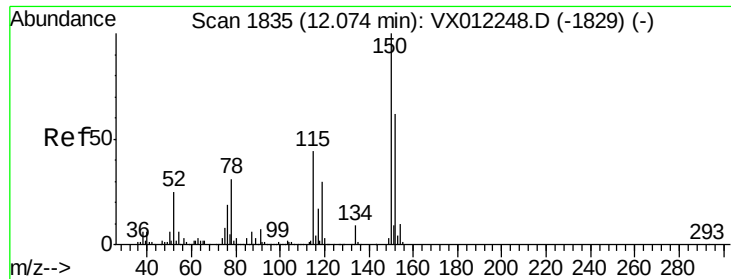


Abundance Ion 116.90 (116.60 to 117.60): VX012356.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012356.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012356.D (-1464) (-)

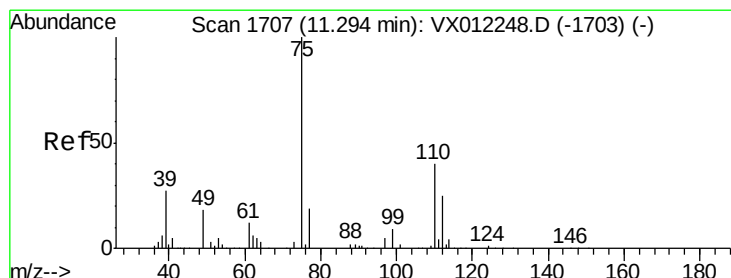
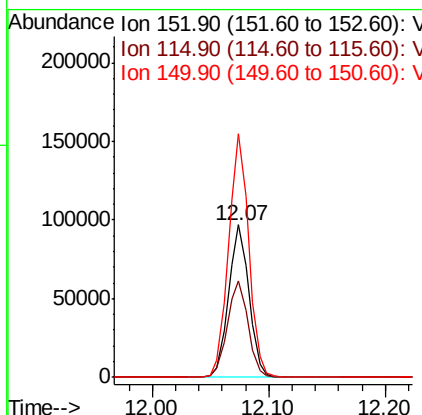
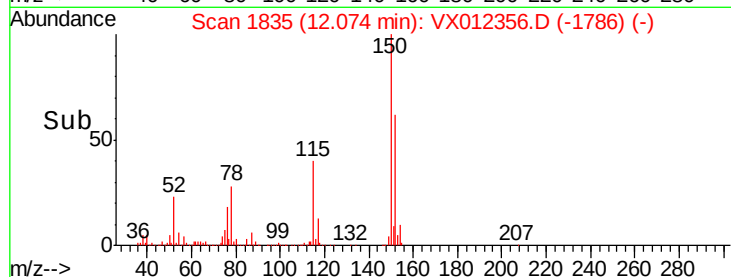
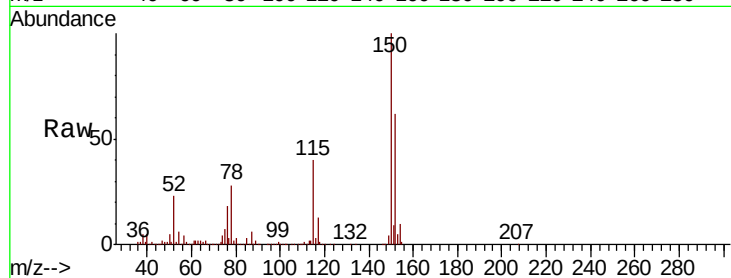
Time-->



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012356.D
 Acq: 12 Sep 2019 19:19

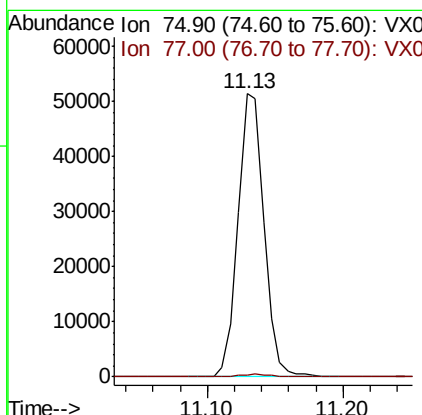
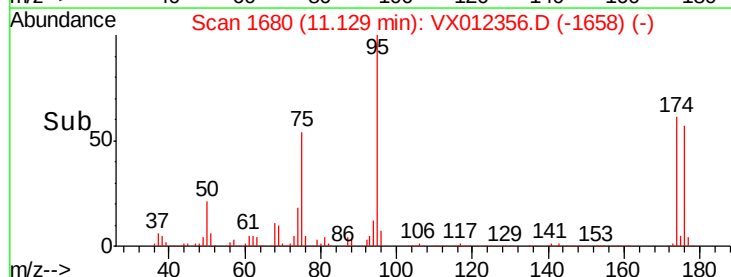
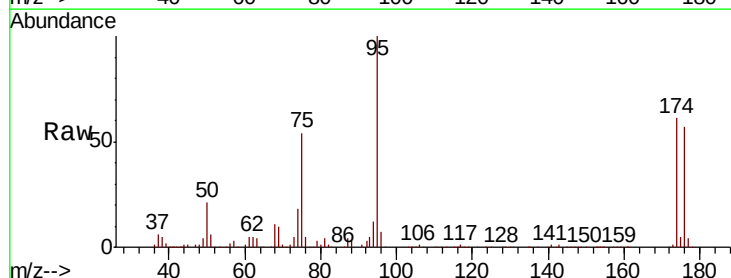
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-10-9.5-10.0

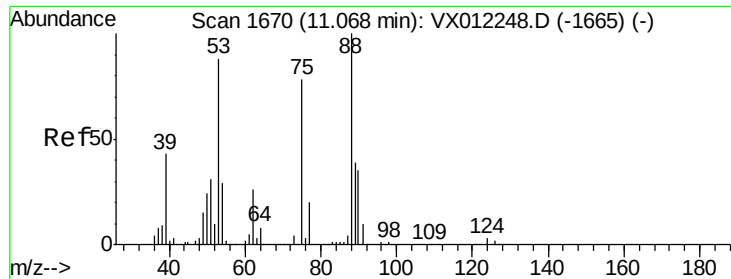
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	45.5	136.4
150	158.3	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 45.288 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012356.D
 Acq: 12 Sep 2019 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.7	59.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.694 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012356.D

Acq: 12 Sep 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

SB-10-9.5-10.0

Tgt Ion: 75 Resp: 68405

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

