

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012369.D
 Acq On : 13 Sep 2019 01:24
 Operator : SY/SP
 Sample : K4759-02
 Misc : 6.98g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-0-4

Quant Time: Sep 13 02:40:15 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	166852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121600	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	110757	46.95	ug/l	0.00
Spiked Amount	50.000			Recovery	=	93.90%	
35) Dibromofluoromethane		5.48	113	83265	45.32	ug/l	0.00
Spiked Amount	50.000			Recovery	=	90.64%	
50) Toluene-d8		8.71	98	338723	52.56	ug/l	0.00
Spiked Amount	50.000			Recovery	=	105.12%	
62) 4-Bromofluorobenzene		11.14	95	134879	45.15	ug/l	0.00
Spiked Amount	50.000			Recovery	=	90.30%	

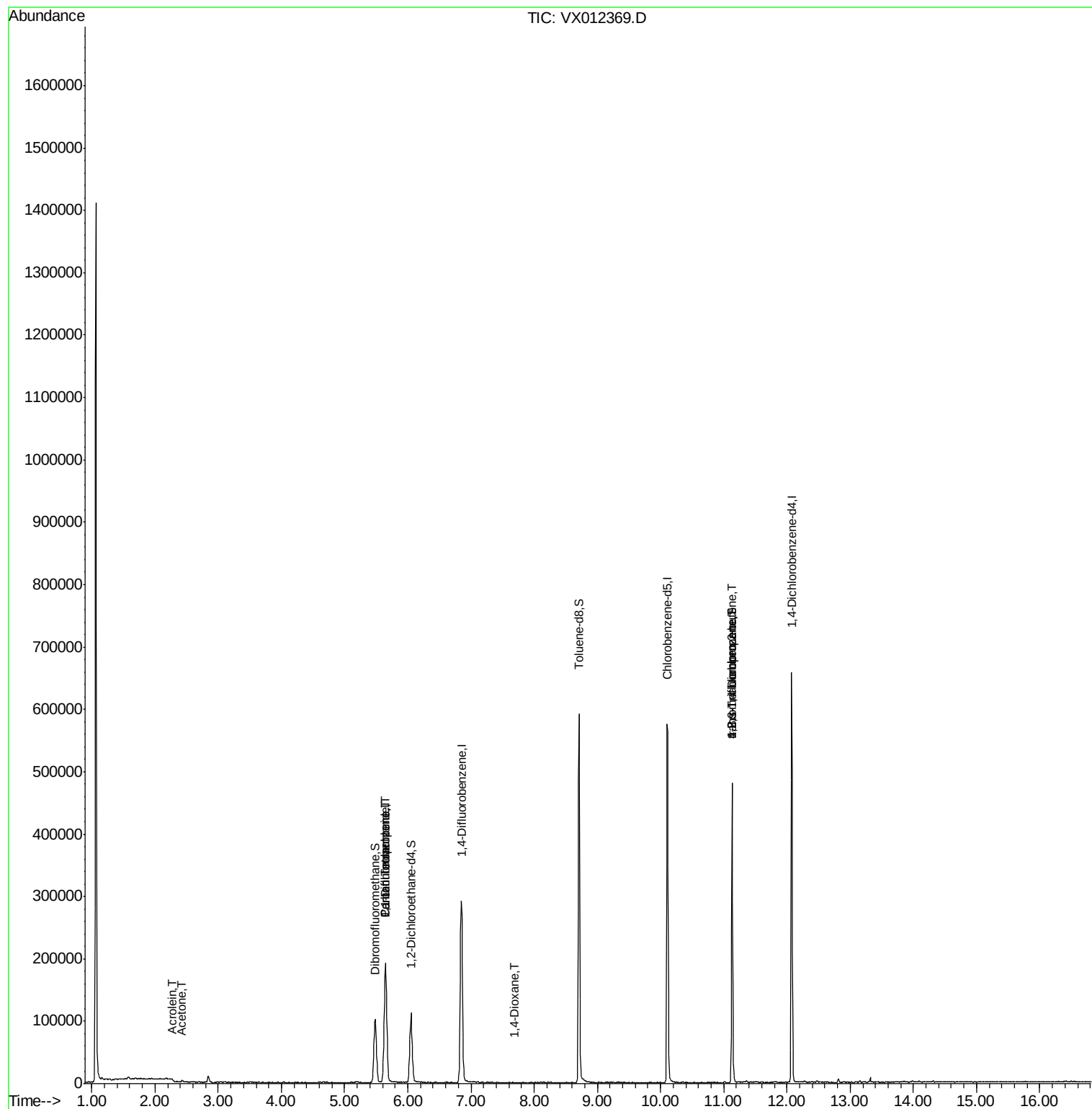
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	321	Below Cal	#	62
11) Tert butyl alcohol	3.03	59	357	Below Cal	#	7
13) Acrolein	2.28	56	296	2.400	ug/l	92
16) Acetone	2.43	43	2610	4.674	ug/l	98
36) 1,1-Dichloropropene	5.64	75	15258	7.301	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19592	7.990	ug/l #	15
49) 1,4-Dioxane	7.69	88	28	1.592	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	70812	45.330	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	70812	135.820	ug/l #	5

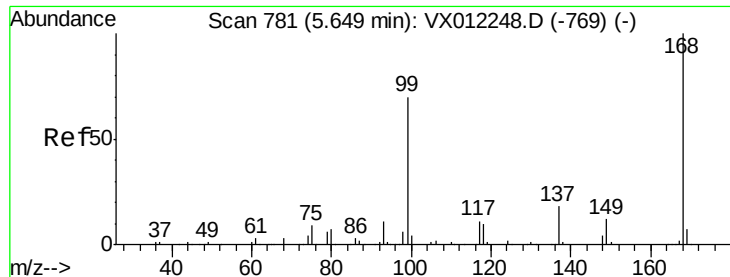
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012369.D

Acq: 13 Sep 2019 01:24

Instrument :

MSVOA_X

ClientSampleId :

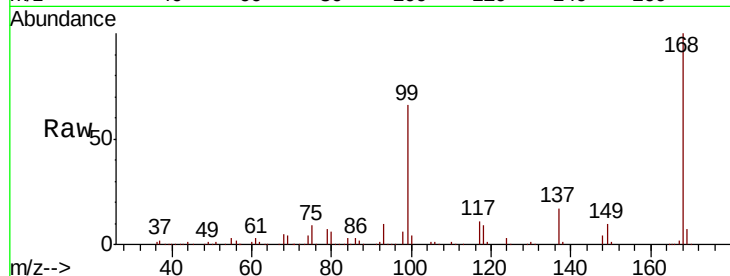
C-0-4

Tgt Ion: 168 Resp: 166852

Ion Ratio Lower Upper

168 100

99 66.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): VX012248.D (-769) (-)

Ion 98.90 (98.60 to 99.60): VX012248.D (-769) (-)

5.65

60000

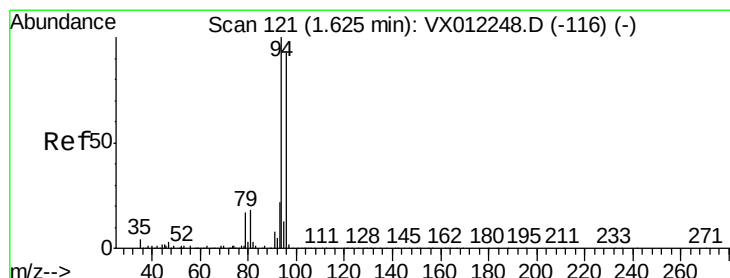
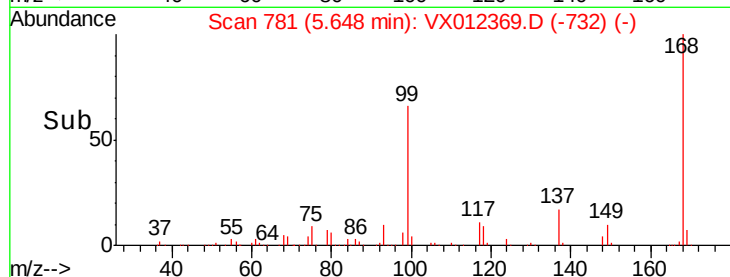
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012369.D

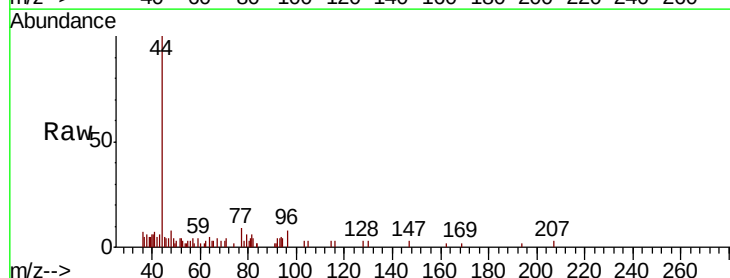
Acq: 13 Sep 2019 01:24

Tgt Ion: 94 Resp: 321

Ion Ratio Lower Upper

94 100

96 55.7 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX012248.D (-116) (-)

Ion 95.90 (95.60 to 96.60): VX012248.D (-116) (-)

1.64

250

200

150

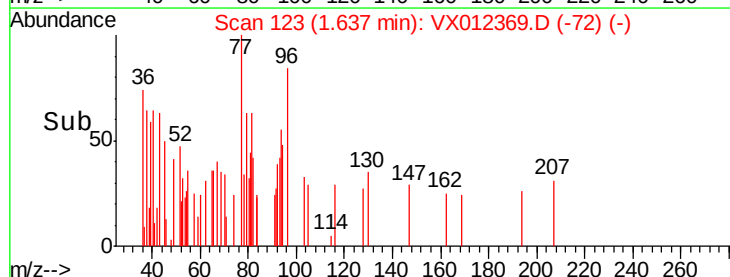
100

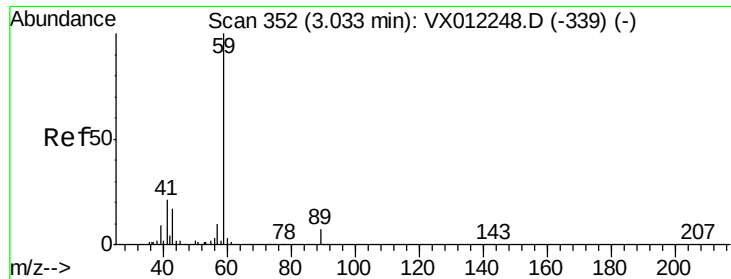
50

0

Time-->

1.60 1.65 1.70

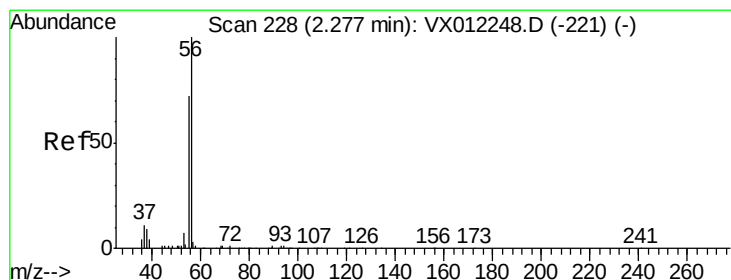
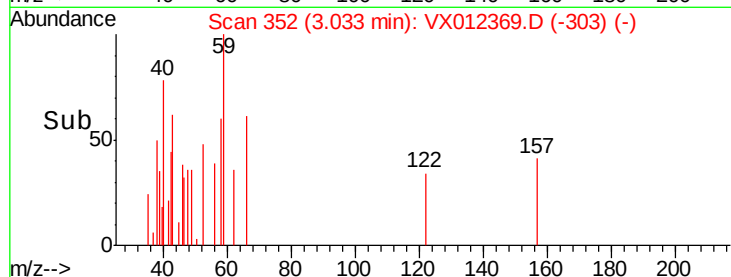
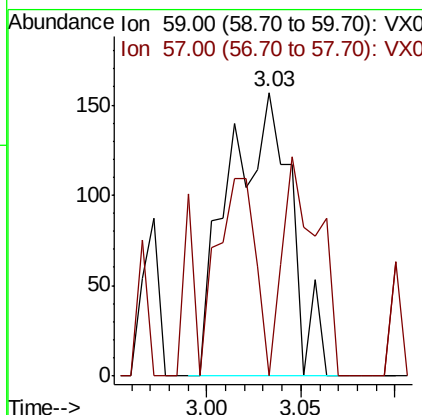
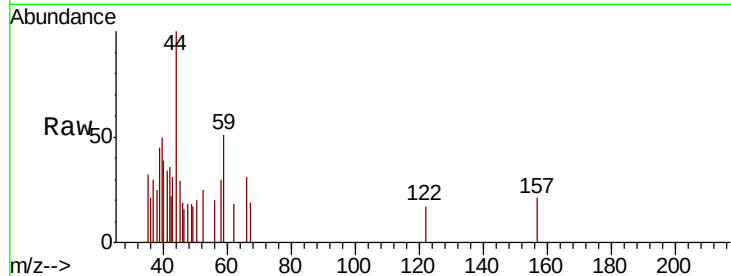




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX012369.D
Acq: 13 Sep 2019 01:24

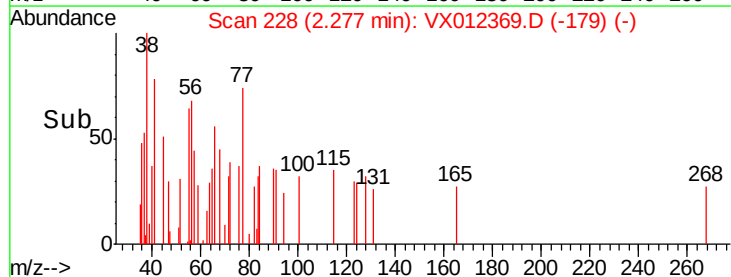
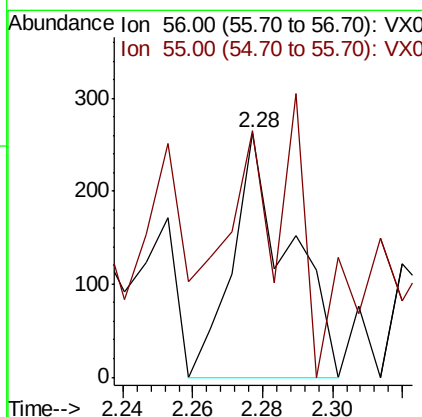
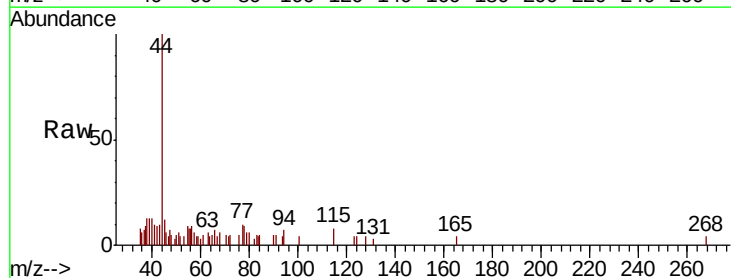
Instrument :
MSVOA_X
ClientSampled :
C-0-4

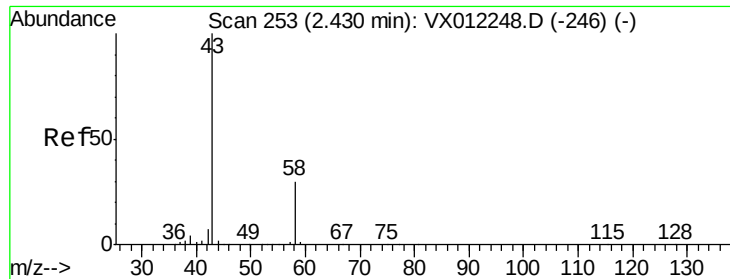
Tgt Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 44.0 7.8 11.6#



#13
Acrolein
Concen: 2.400 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX012369.D
Acq: 13 Sep 2019 01:24

Tgt Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 67.9 59.8 89.6





#16

Acetone

Concen: 4.674 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012369.D

Acq: 13 Sep 2019 01:24

Instrument :

MSVOA_X

ClientSampled :

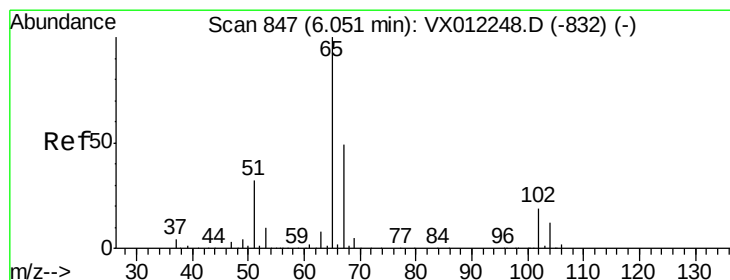
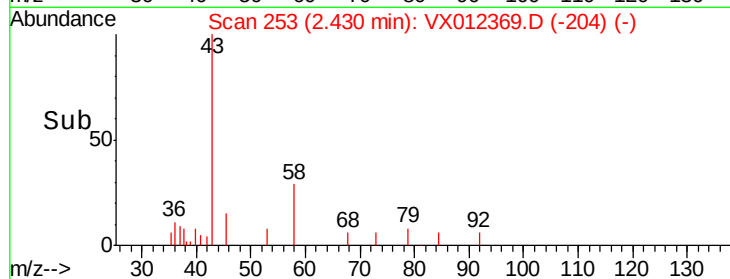
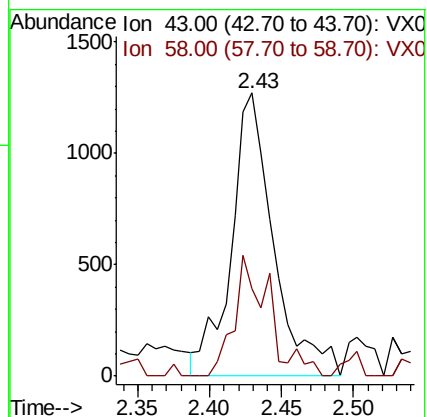
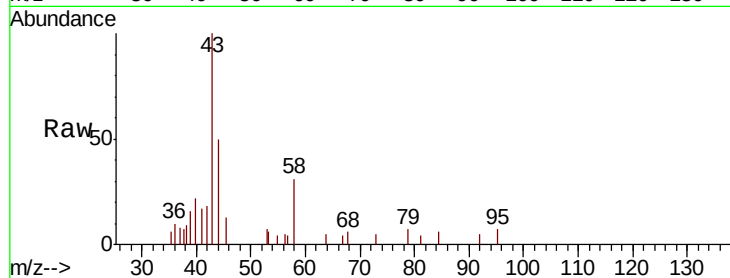
C-0-4

Tgt Ion: 43 Resp: 2610

Ion Ratio Lower Upper

43 100

58 30.8 23.6 35.4



#33

1,2-Dichloroethane-d4

Concen: 46.952 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012369.D

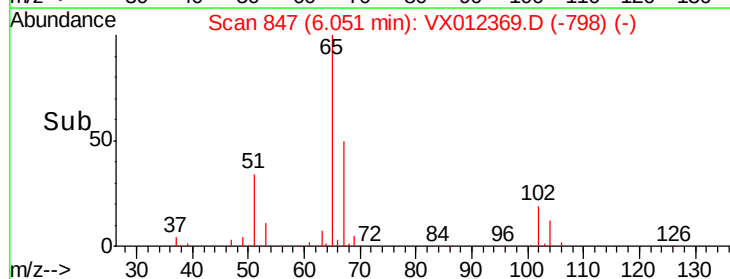
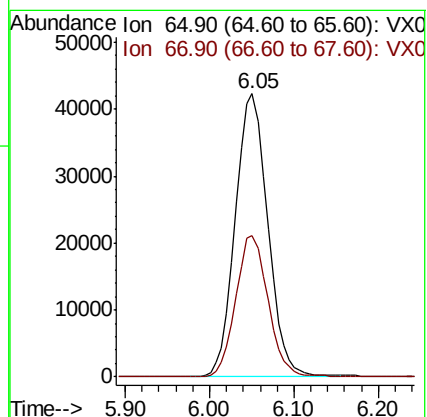
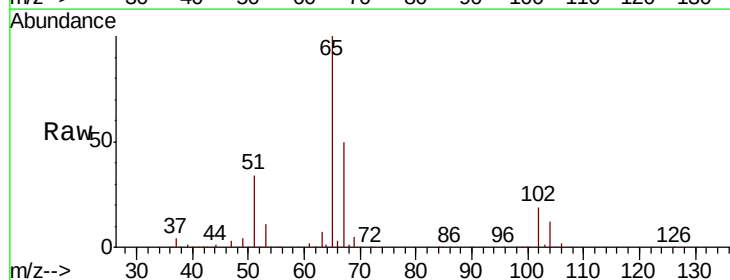
Acq: 13 Sep 2019 01:24

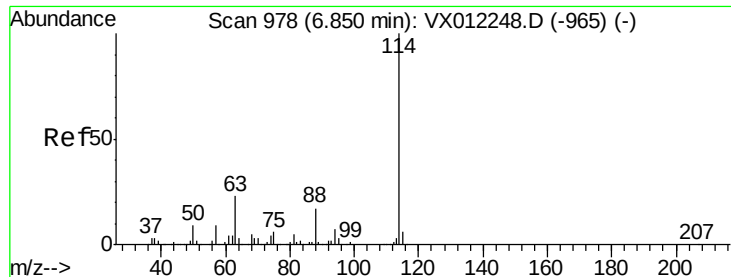
Tgt Ion: 65 Resp: 110757

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.8

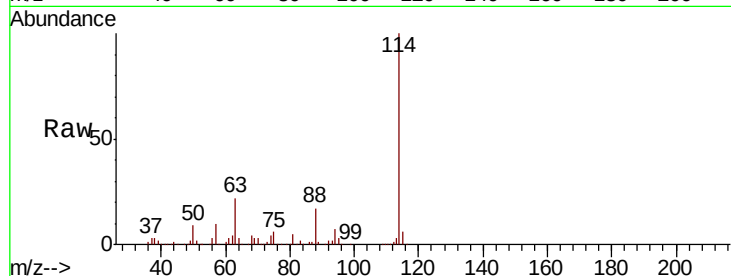




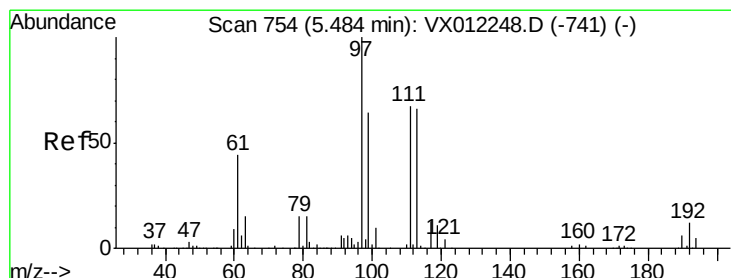
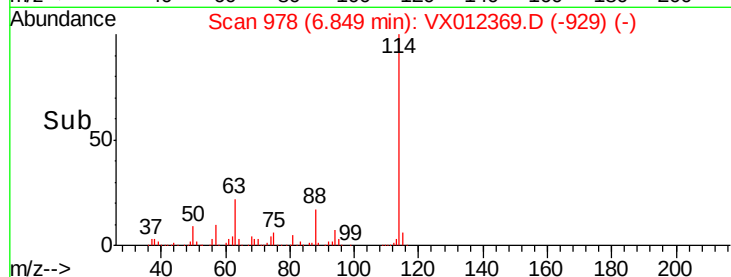
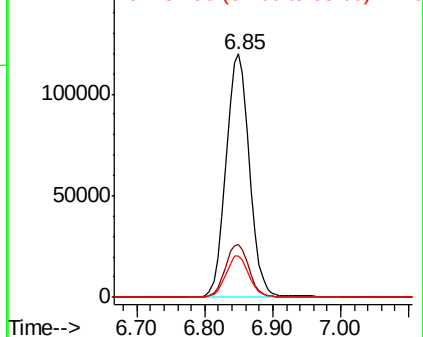
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX012369.D
Acq: 13 Sep 2019 01:24

Instrument :
MSVOA_X
ClientSampleId :
C-0-4

Tgt Ion:114 Resp: 286615
Ion Ratio Lower Upper
114 100
63 21.7 0.0 45.2
88 17.0 0.0 34.8

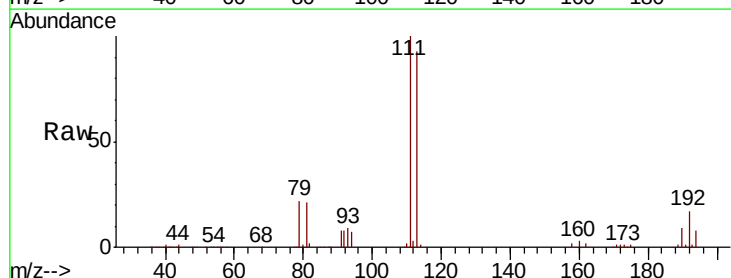


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

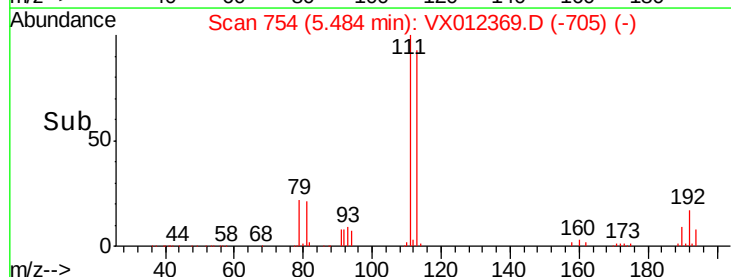
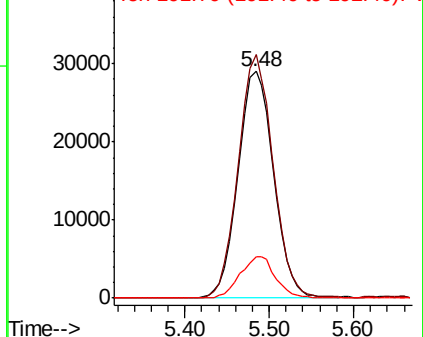


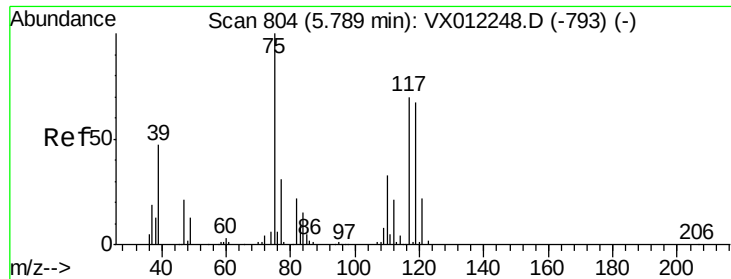
#35
Dibromofluoromethane
Concen: 45.318 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012369.D
Acq: 13 Sep 2019 01:24

Tgt Ion:113 Resp: 83265
Ion Ratio Lower Upper
113 100
111 104.9 83.0 124.6
192 18.1 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

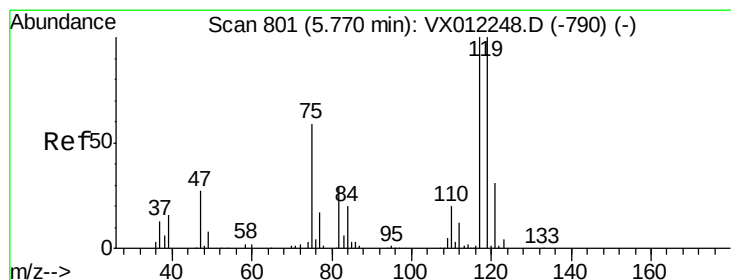
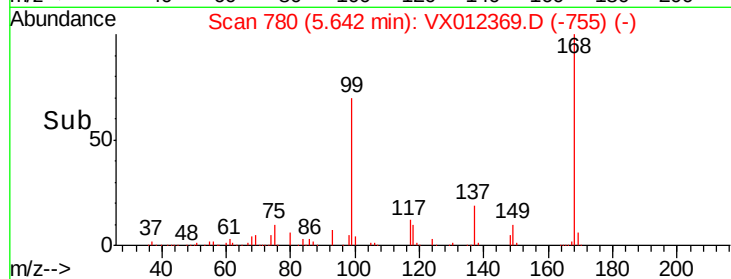
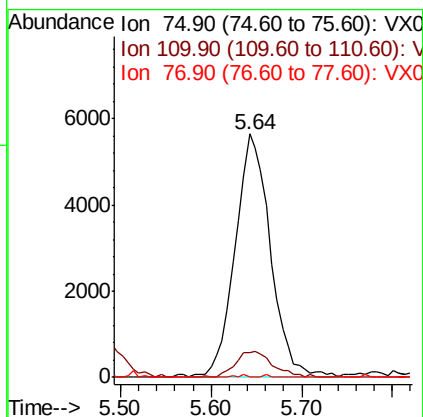
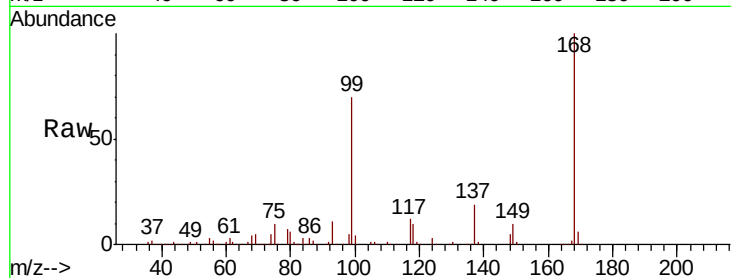




#36
 1,1-Dichloropropene
 Concen: 7.301 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012369.D
 Acq: 13 Sep 2019 01:24

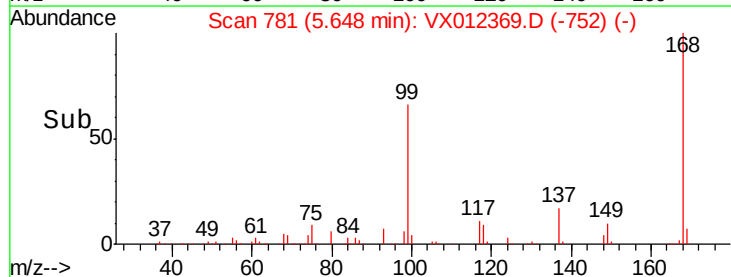
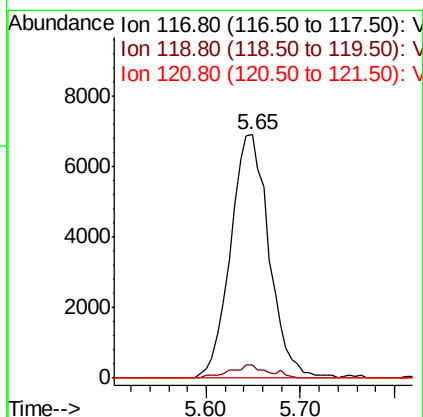
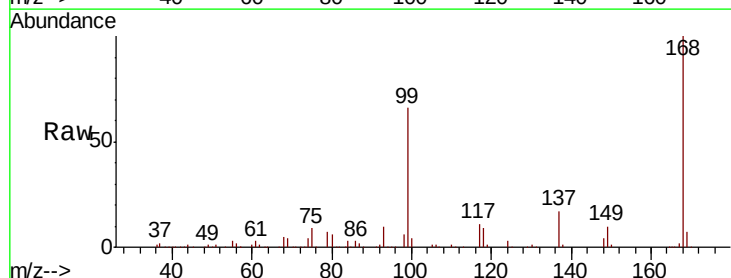
Instrument :
 MSVOA_X
 ClientSampleId :
 C-0-4

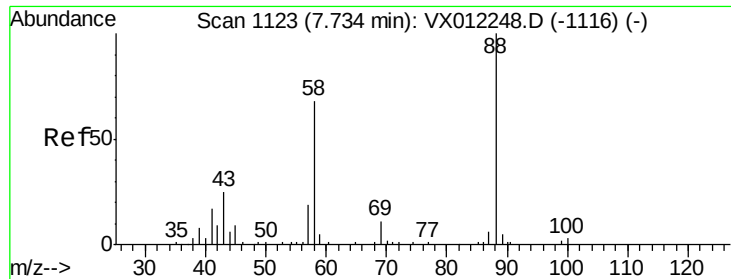
Tgt Ion: 75 Resp: 15258
 Ion Ratio Lower Upper
 75 100
 110 11.1 16.8 50.4#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.990 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012369.D
 Acq: 13 Sep 2019 01:24

Tgt Ion: 117 Resp: 19592
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.6 119.4#
 121 0.0 24.7 37.1#

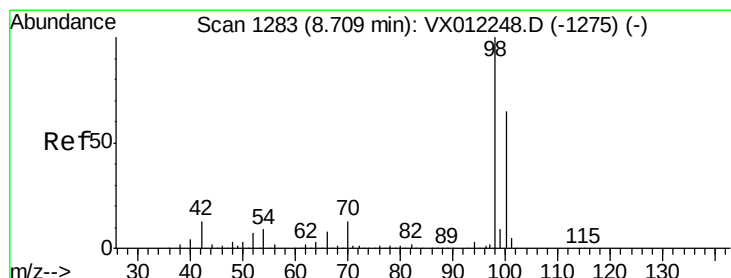
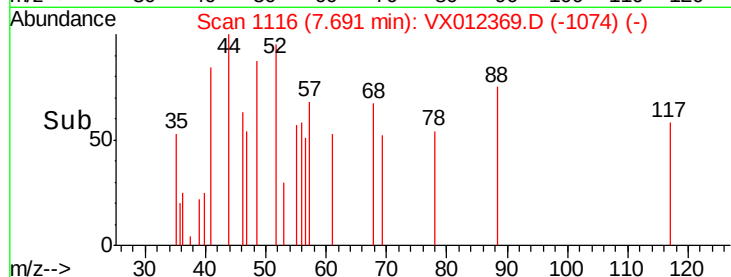
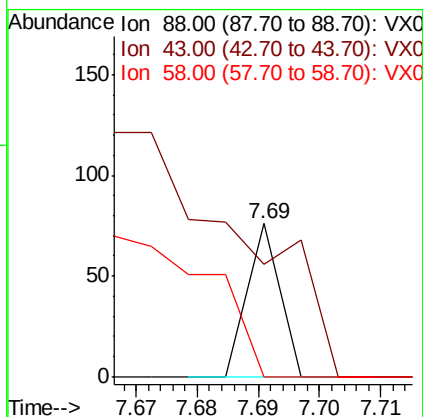
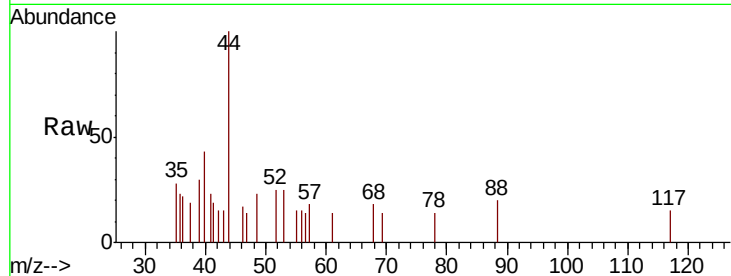




#49
1,4-Dioxane
Concen: 1.592 ug/l
RT: 7.69 min Scan# 1116
Delta R.T. -0.04 min
Lab File: VX012369.D
Acq: 13 Sep 2019 01:24

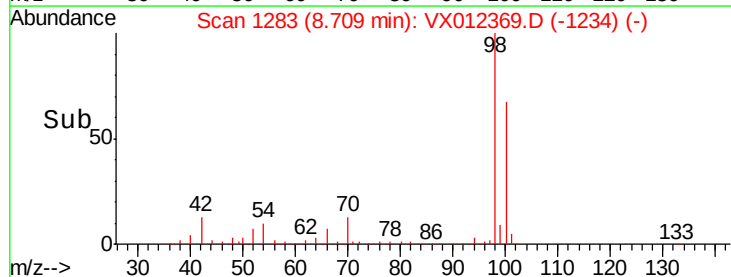
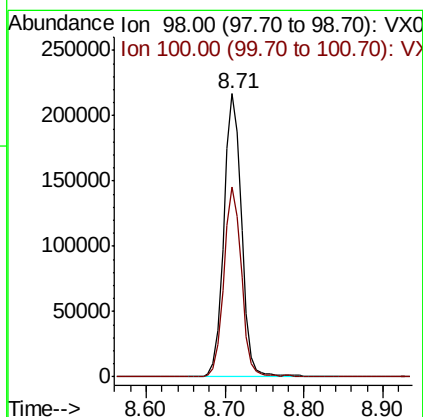
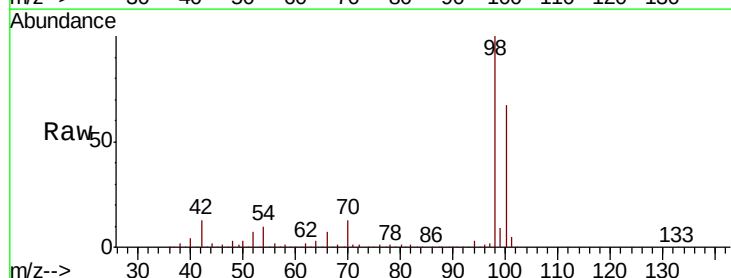
Instrument :
MSVOA_X
ClientSampled :
C-0-4

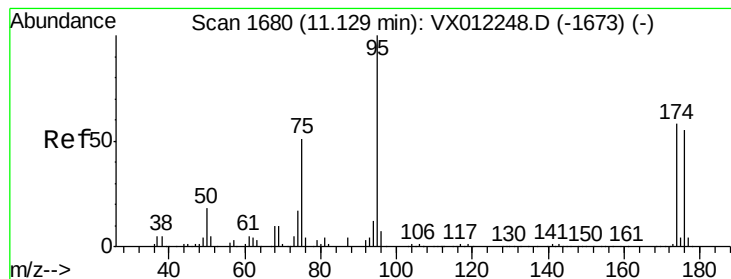
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 61.5 92.3#



#50
Toluene-d8
Concen: 52.563 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012369.D
Acq: 13 Sep 2019 01:24

Tgt Ion: 98 Resp: 338723
Ion Ratio Lower Upper
98 100
100 66.6 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 45.147 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012369.D

Acq: 13 Sep 2019 01:24

Instrument :

MSVOA_X

ClientSampled :

C-0-4

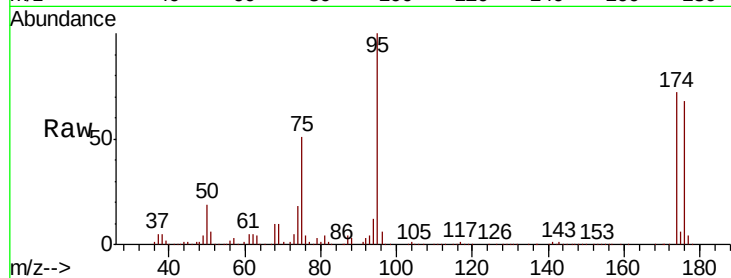
Tgt Ion: 95 Resp: 134879

Ion Ratio Lower Upper

95 100

174 68.0 0.0 127.0

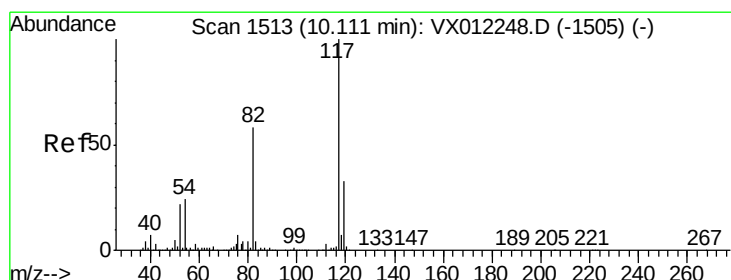
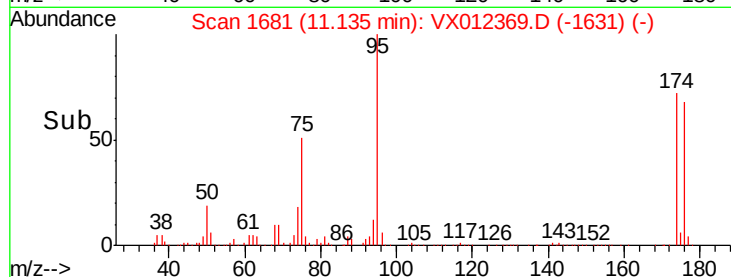
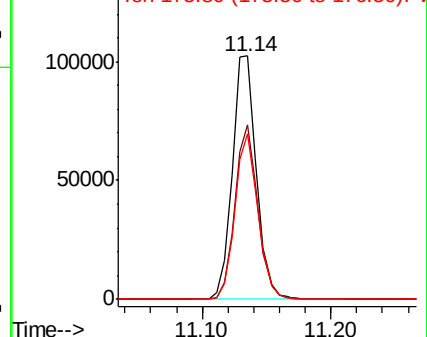
176 64.7 0.0 125.8



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: VX012369.D

Acq: 13 Sep 2019 01:24

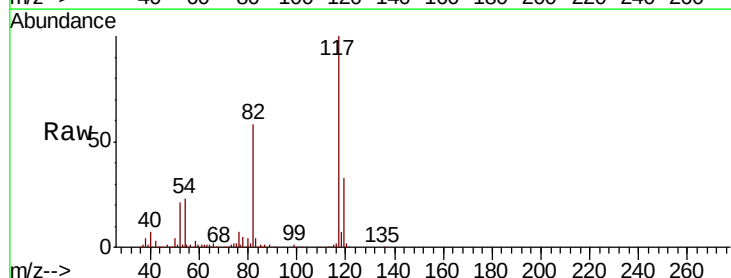
Tgt Ion: 117 Resp: 256627

Ion Ratio Lower Upper

117 100

82 57.9 46.4 69.6

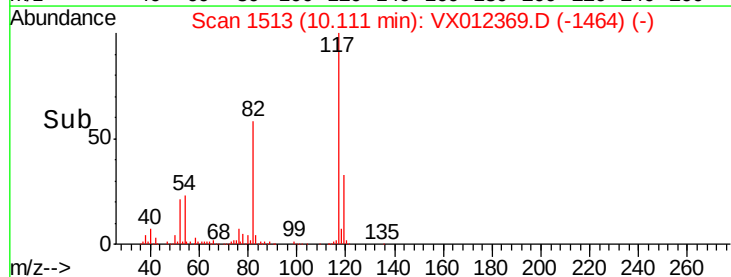
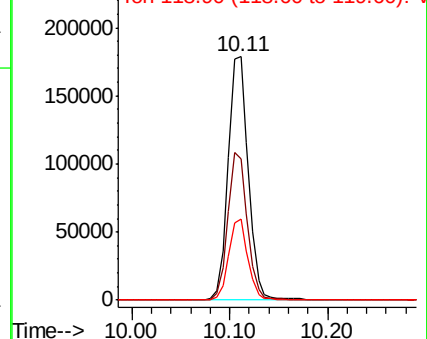
119 33.3 26.6 39.8

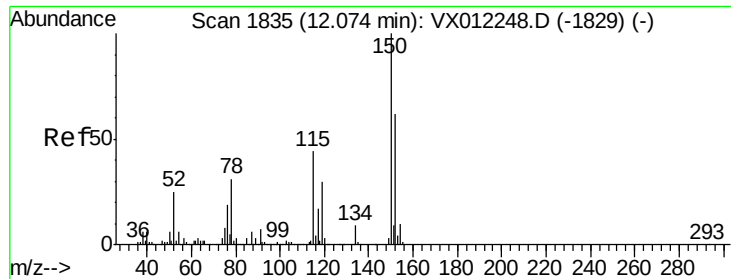


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012369.D

Acq: 13 Sep 2019 01:24

Instrument :

MSVOA_X

ClientSampleId :

C-0-4

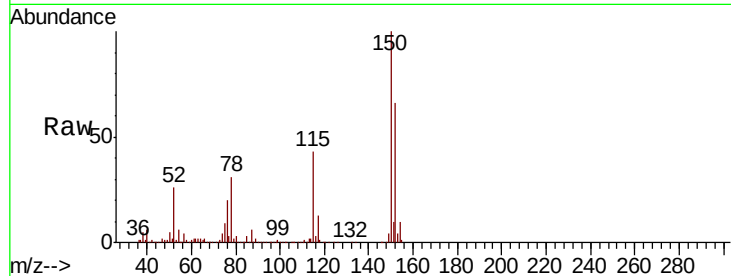
Tgt Ion:152 Resp: 121600

Ion Ratio Lower Upper

152 100

115 65.2 45.5 136.4

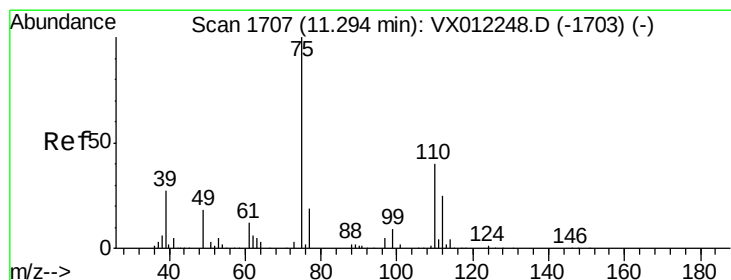
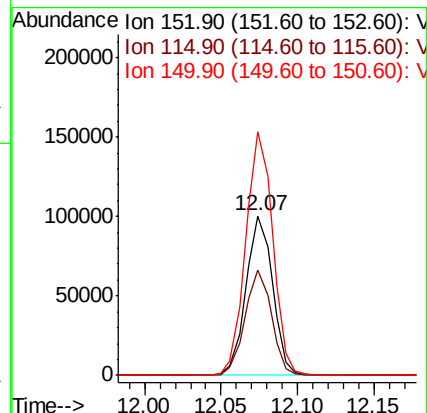
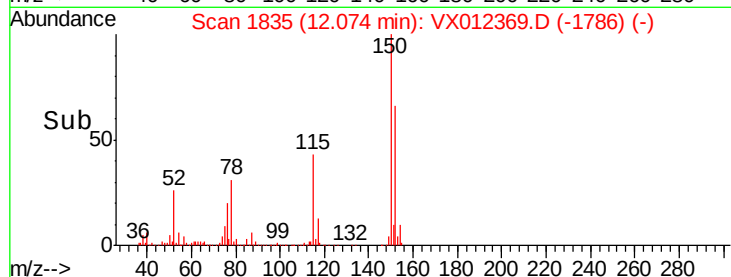
150 154.7 0.0 346.4



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: 45.330 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012369.D

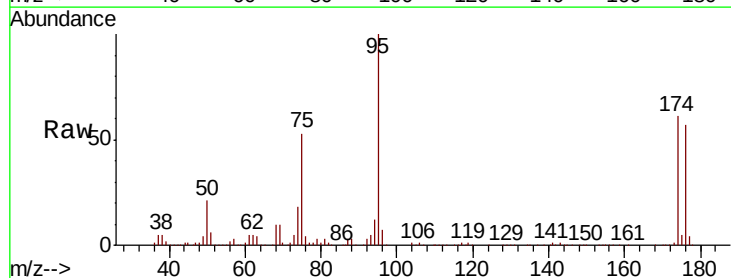
Acq: 13 Sep 2019 01:24

Tgt Ion: 75 Resp: 70812

Ion Ratio Lower Upper

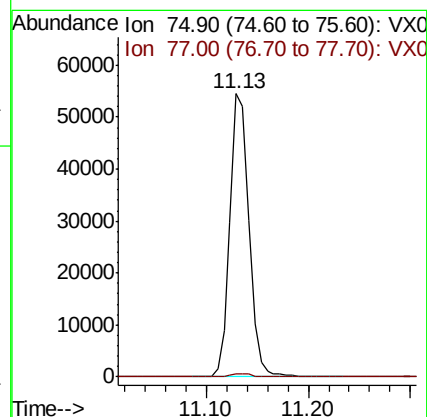
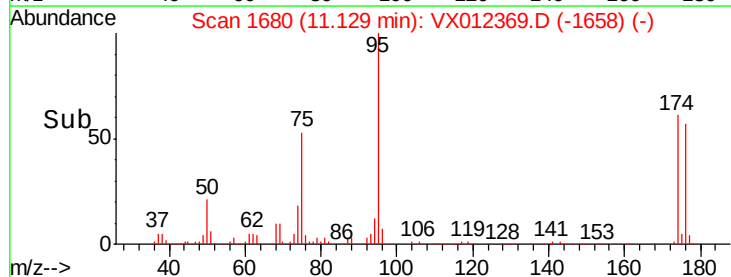
75 100

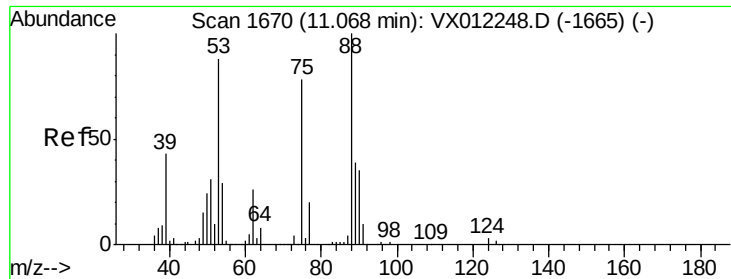
77 1.4 19.7 59.0#



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: 135.820 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012369.D

Acq: 13 Sep 2019 01:24

Instrument :

MSVOA_X

ClientSampleId :

C-0-4

Tgt Ion: 75 Resp: 70812

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.1 43.5 65.3#

