

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012132.D
 Acq On : 06 Sep 2019 07:03
 Operator : SY/SP
 Sample : K4580-07
 Misc : 3.06g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-B4-(0)

Quant Time: Sep 06 07:36:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	137480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	241958	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	174859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	47843	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	95652	50.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.84%	
35) Dibromofluoromethane	5.48	113	71706	48.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	267159	48.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.14	95	80139	31.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.12%	

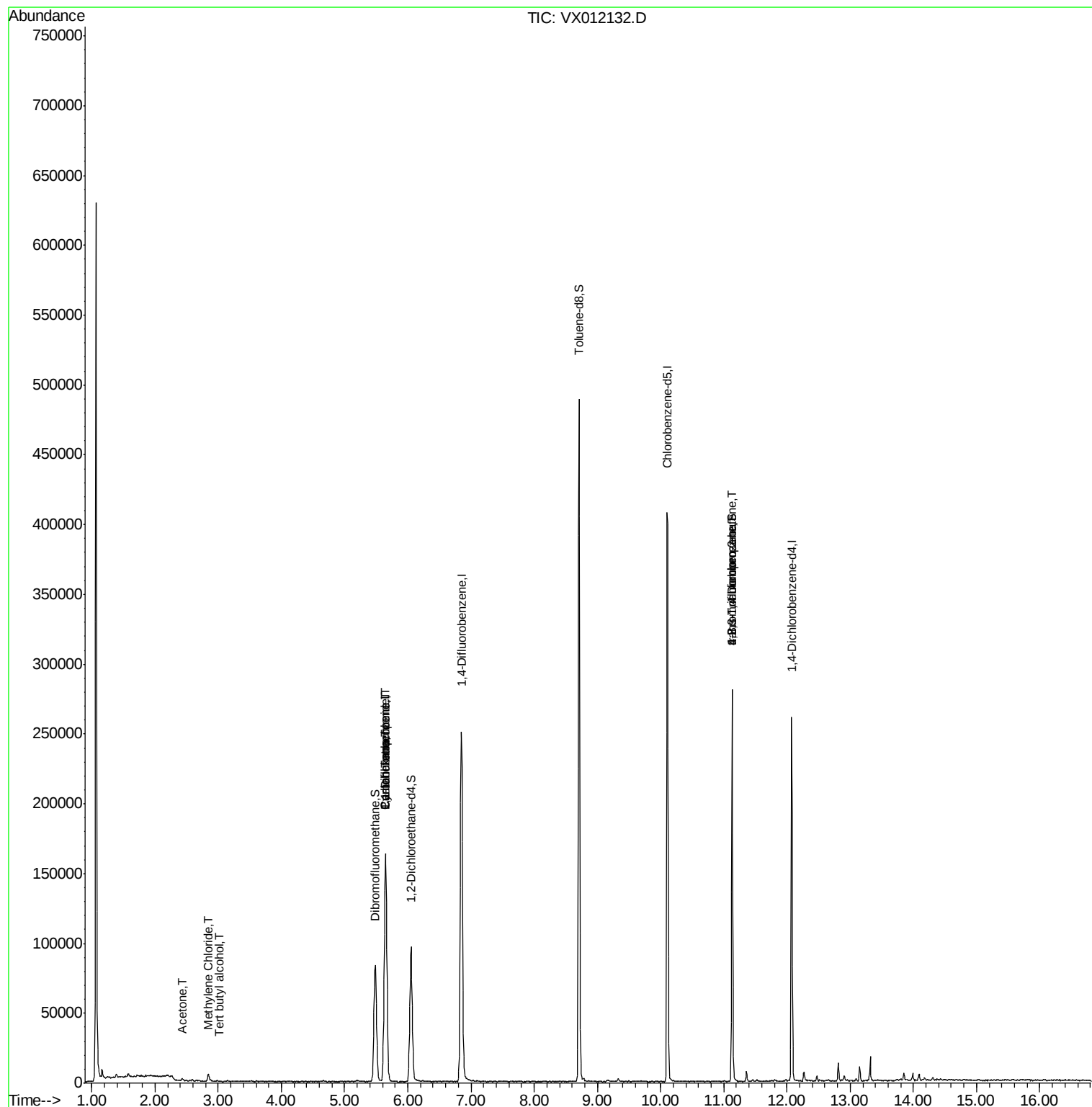
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	297	1.630	ug/l #	94
13) Acrolein	2.26	56	201	Below Cal	#	12
16) Acetone	2.43	43	2043	4.506	ug/l	99
20) Methylene Chloride	2.84	84	2364	1.298	ug/l	96
31) Cyclohexane	5.65	56	3997	1.719	ug/l #	37
36) 1,1-Dichloropropene	5.65	75	12897	6.052	ug/l #	49
38) Carbon Tetrachloride	5.65	117	16357	7.284	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	41170	70.428	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	41170	166.503	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 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: VX012132.D

Acq: 06 Sep 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

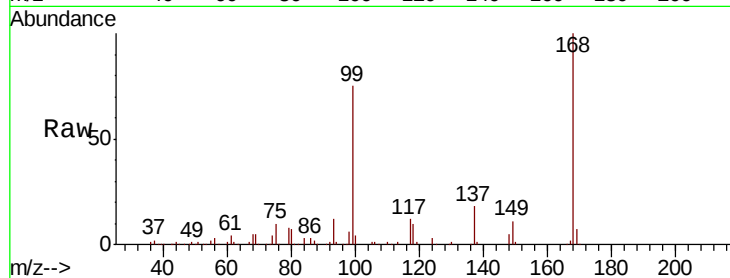
T12-B4-(0)

Tgt Ion:168 Resp: 137480

Ion Ratio Lower Upper

168 100

99 75.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

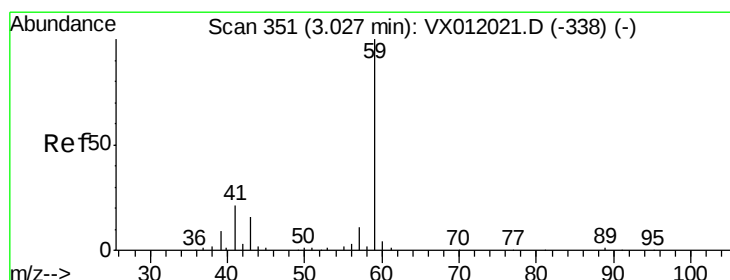
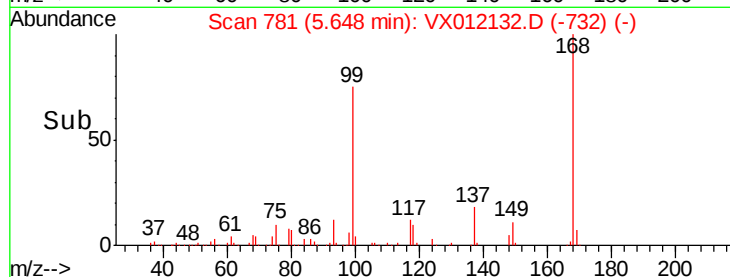
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.630 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX012132.D

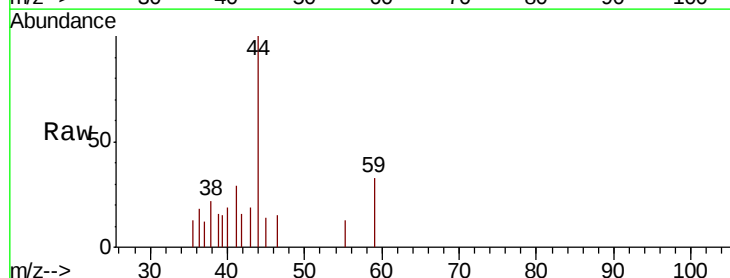
Acq: 06 Sep 2019 07:03

Tgt Ion: 59 Resp: 297

Ion Ratio Lower Upper

59 100

57 7.7 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

150

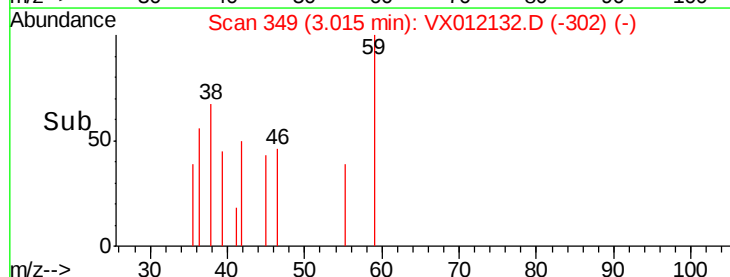
100

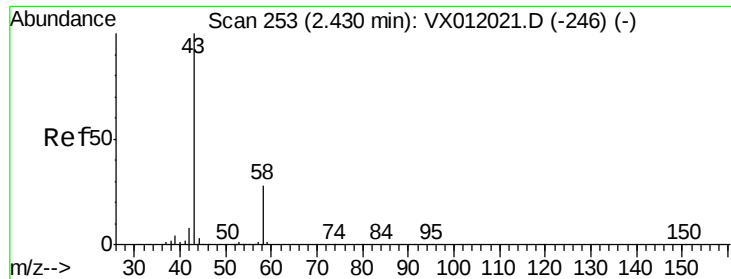
50

0

Time-->

3.00 3.05





#16

Acetone

Concen: 4.506 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012132.D

Acq: 06 Sep 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

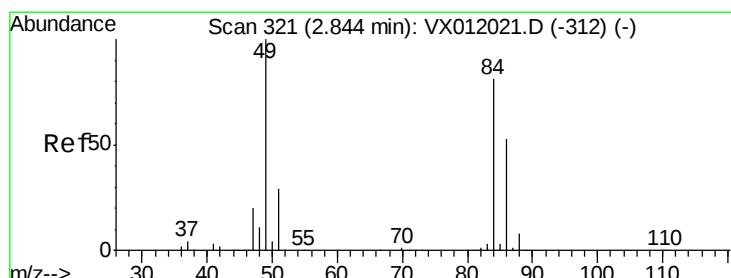
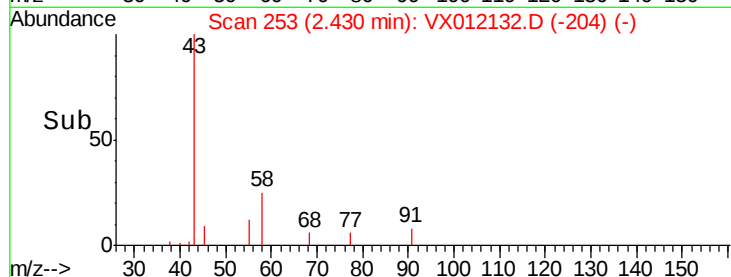
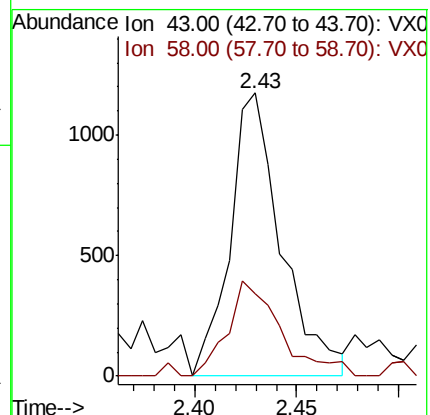
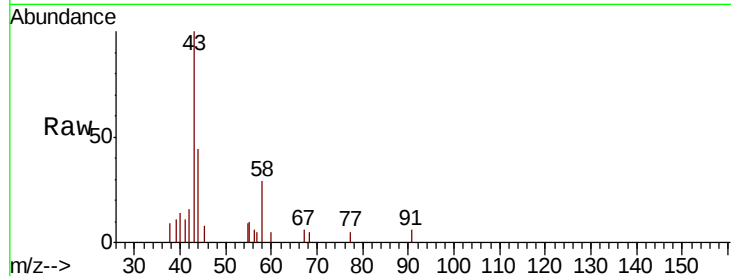
T12-B4-(0)

Tgt Ion: 43 Resp: 2043

Ion Ratio Lower Upper

43 100

58 29.2 22.8 34.2



#20

Methylene Chloride

Concen: 1.298 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012132.D

Acq: 06 Sep 2019 07:03

Tgt Ion: 84 Resp: 2364

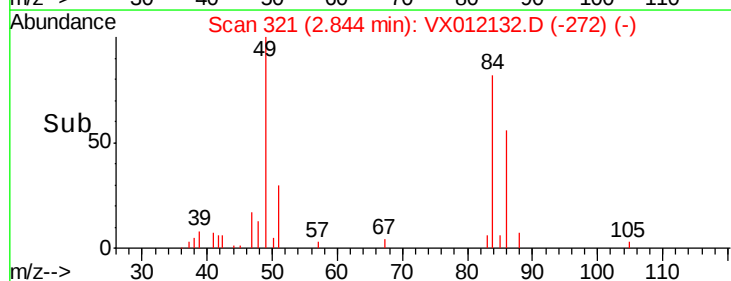
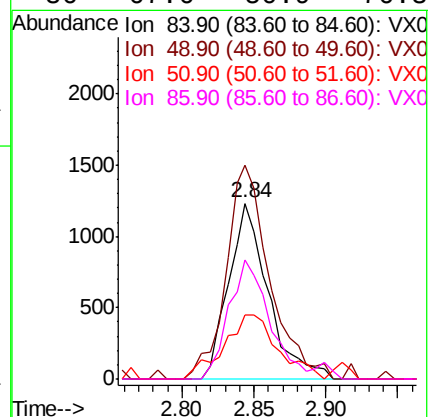
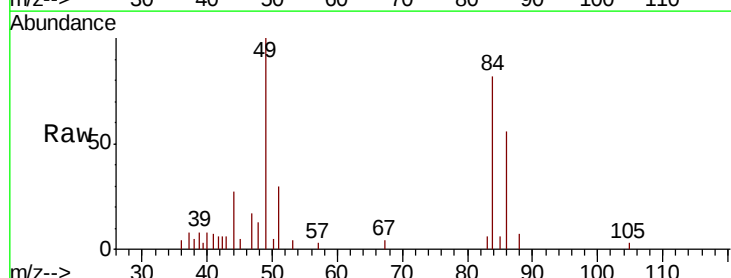
Ion Ratio Lower Upper

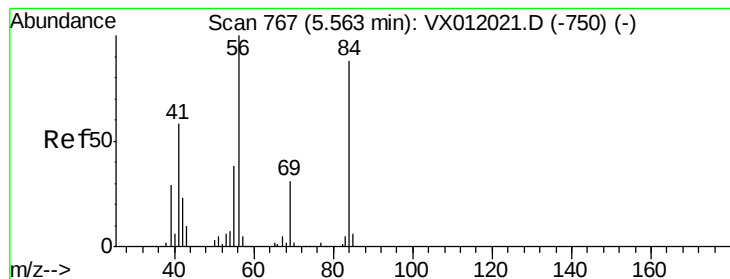
84 100

49 121.6 95.8 143.8

51 31.2 28.6 43.0

86 67.6 50.9 76.3





#31

Cyclohexane

Concen: 1.719 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012132.D

Acq: 06 Sep 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

T12-B4-(0)

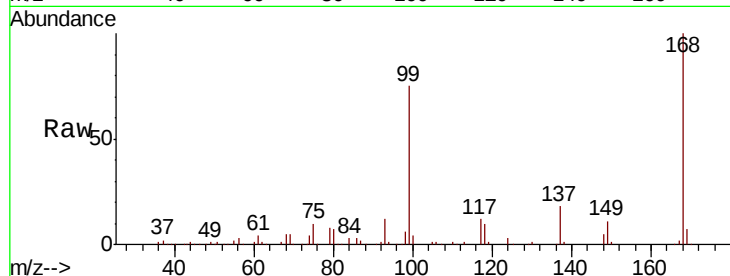
Tgt Ion: 56 Resp: 3997

Ion Ratio Lower Upper

56 100

69 153.3 25.7 38.5#

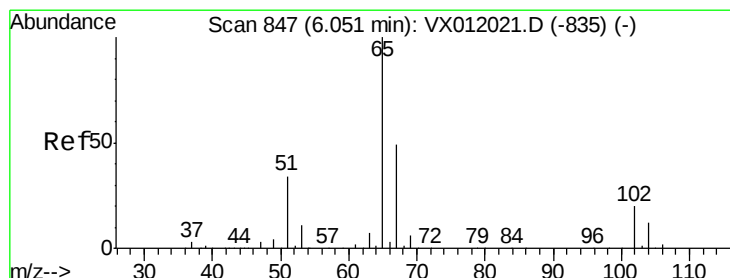
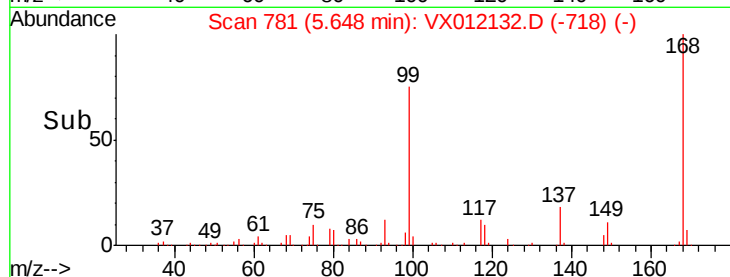
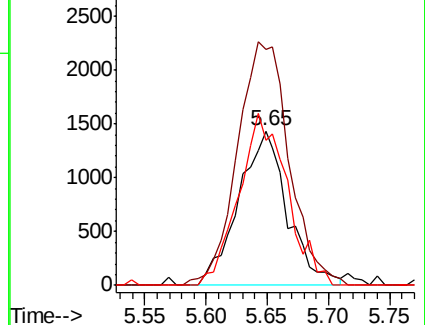
84 94.1 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.424 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012132.D

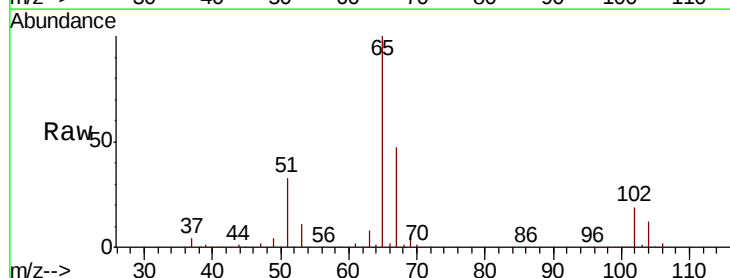
Acq: 06 Sep 2019 07:03

Tgt Ion: 65 Resp: 95652

Ion Ratio Lower Upper

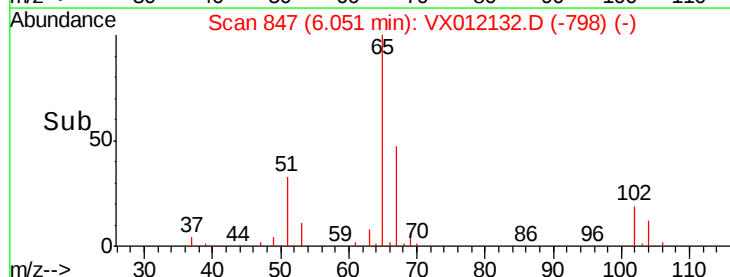
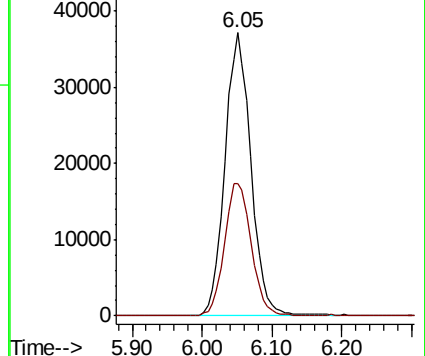
65 100

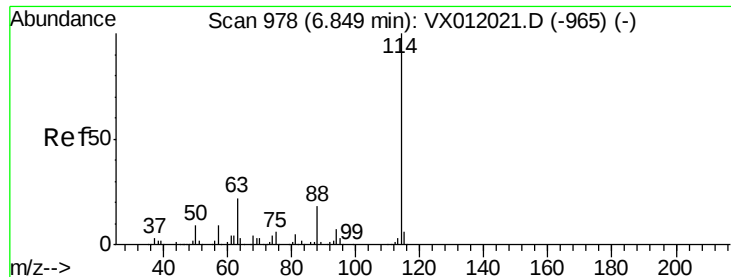
67 48.4 0.0 102.0



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: VX012132.D

Acq: 06 Sep 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

T12-B4-(0)

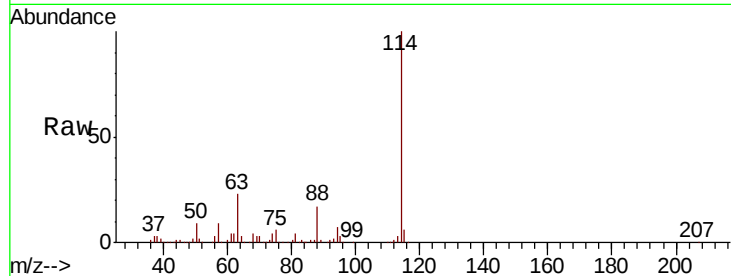
Tgt Ion:114 Resp: 241958

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.4

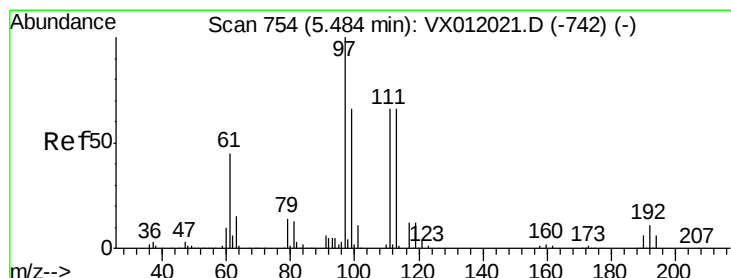
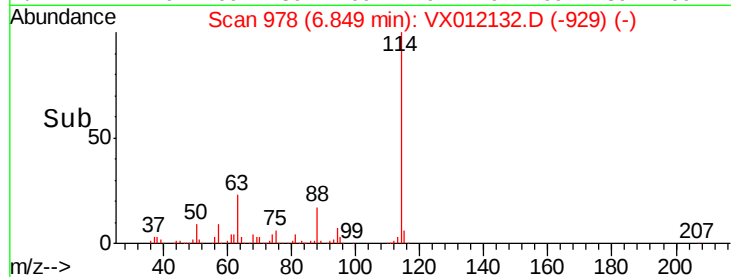
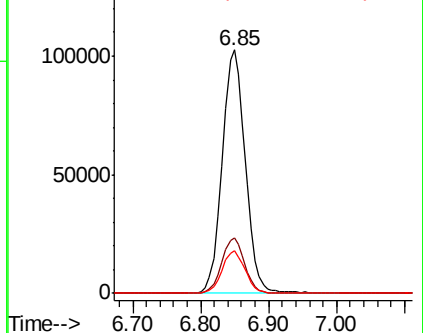
88 17.5 0.0 29.6



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: 48.190 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012132.D

Acq: 06 Sep 2019 07:03

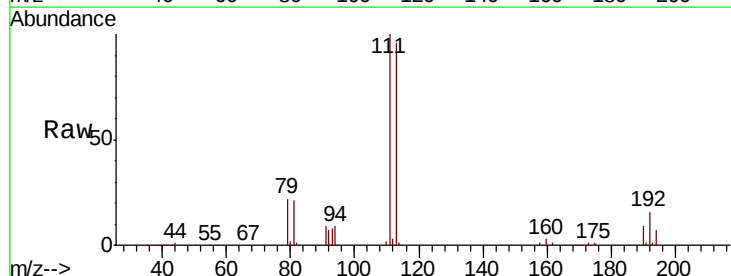
Tgt Ion:113 Resp: 71706

Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

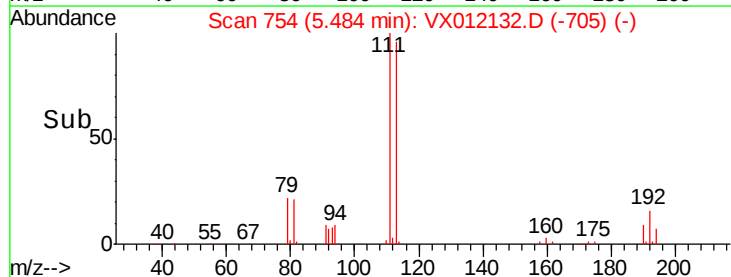
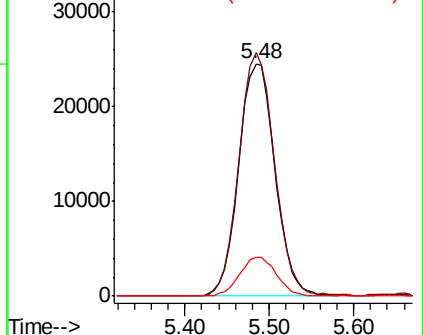
192 16.9 22.5 33.7#

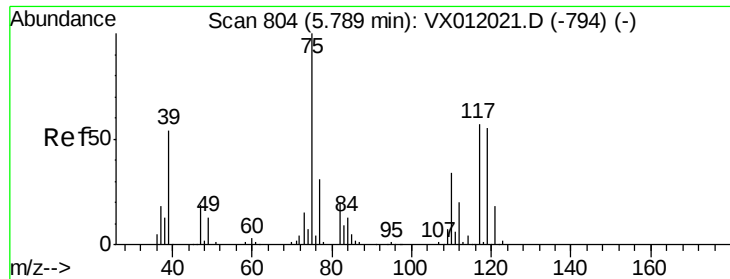


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

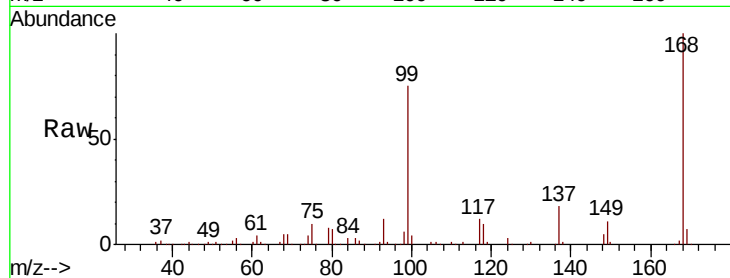




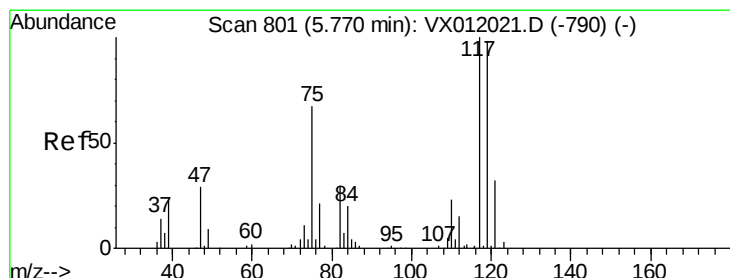
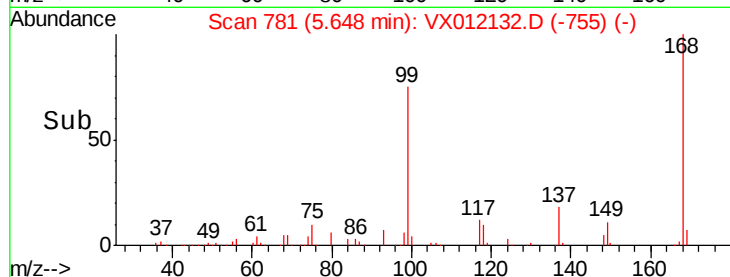
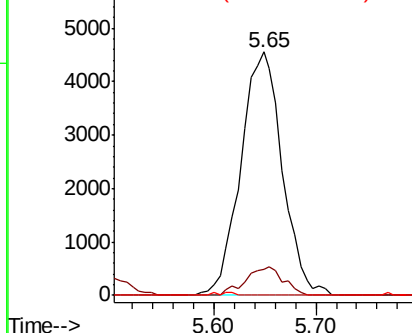
#36
 1,1-Dichloropropene
 Concen: 6.052 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012132.D
 Acq: 06 Sep 2019 07:03

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-B4-(0)

Tgt Ion: 75 Resp: 12897
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.5 58.5#
 77 0.0 24.6 37.0#

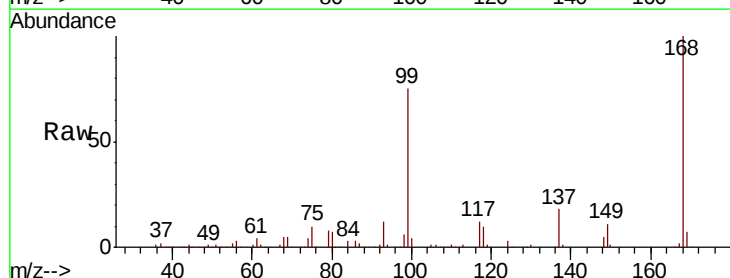


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

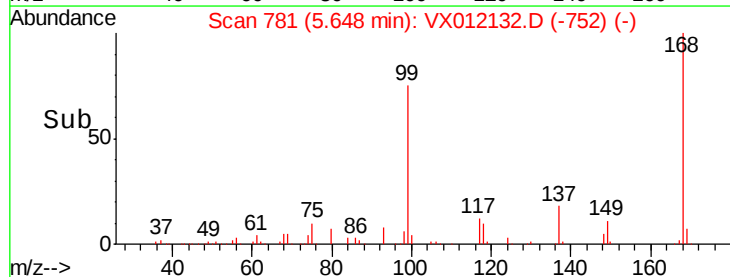
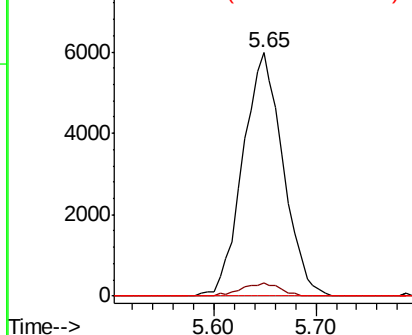


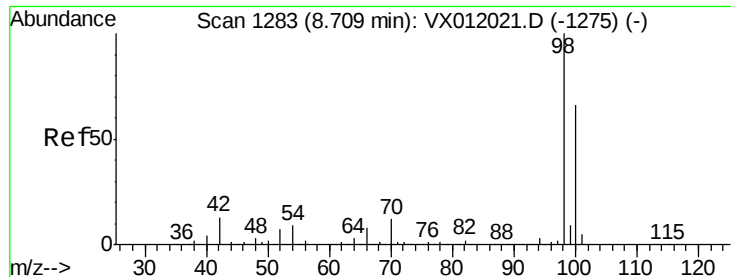
#38
 Carbon Tetrachloride
 Concen: 7.284 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012132.D
 Acq: 06 Sep 2019 07:03

Tgt Ion: 117 Resp: 16357
 Ion Ratio Lower Upper
 117 100
 119 5.5 78.3 117.5#
 121 0.0 24.2 36.2#



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





#50

Toluene-d8

Concen: 48.929 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012132.D

Acq: 06 Sep 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

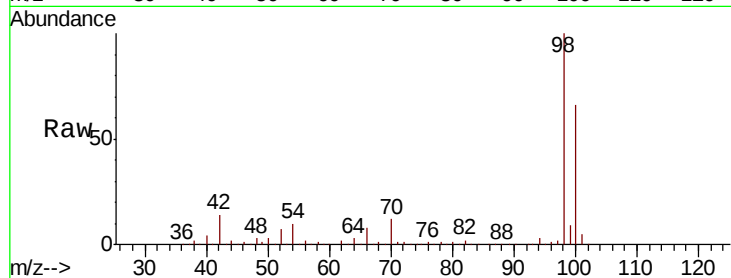
T12-B4-(0)

Tgt Ion: 98 Resp: 267159

Ion Ratio Lower Upper

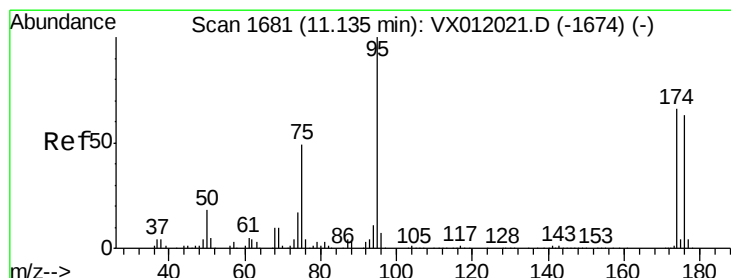
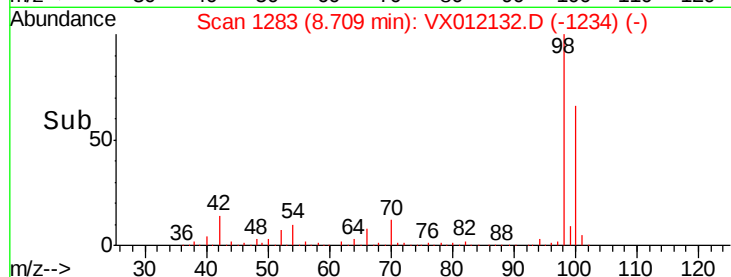
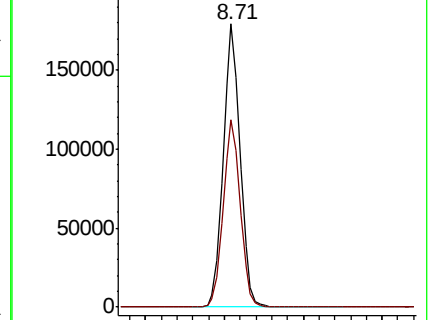
98 100

100 66.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 31.559 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012132.D

Acq: 06 Sep 2019 07:03

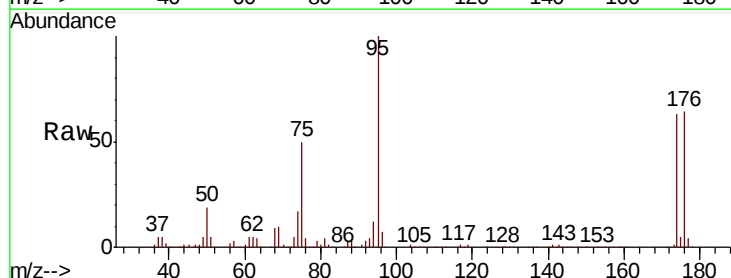
Tgt Ion: 95 Resp: 80139

Ion Ratio Lower Upper

95 100

174 61.7 0.0 205.4

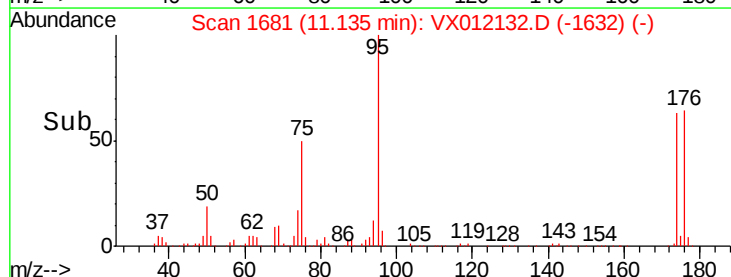
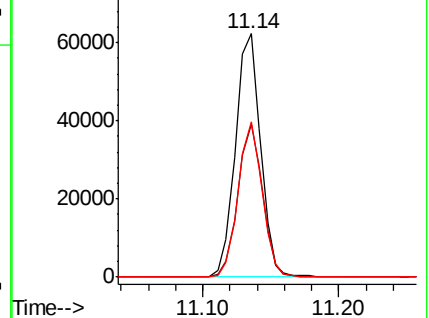
176 61.0 0.0 201.8

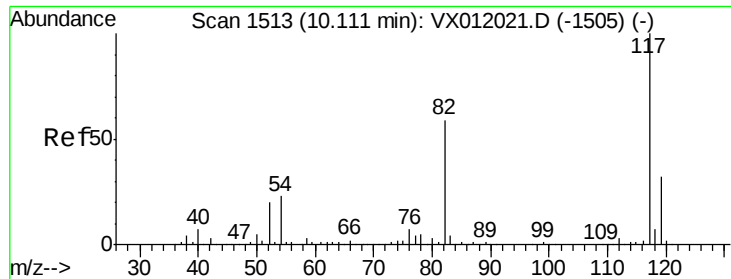


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

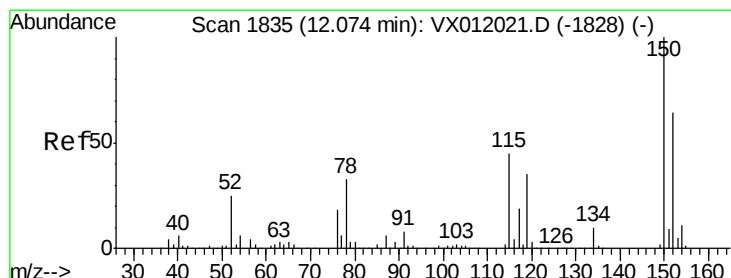
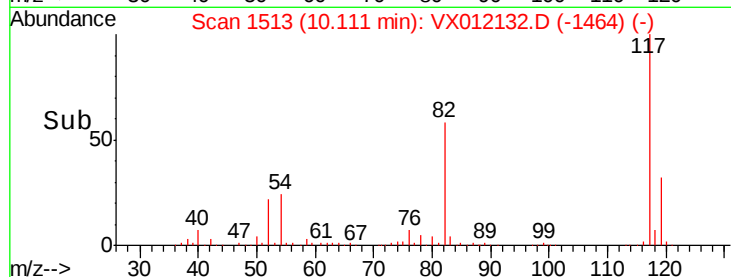
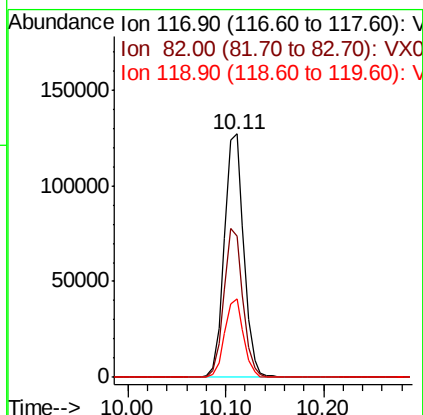
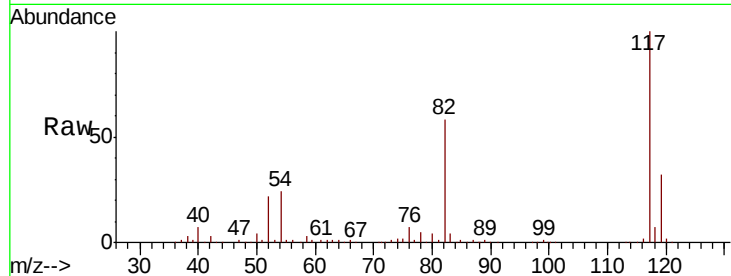




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012132.D
Acq: 06 Sep 2019 07:03

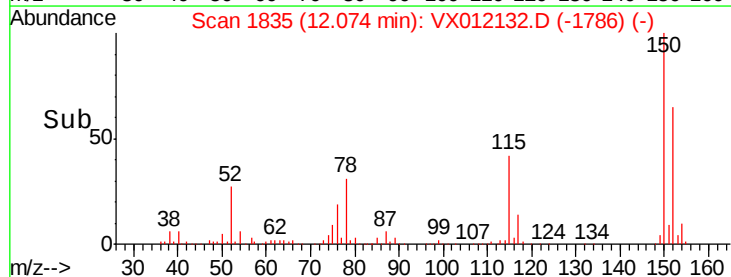
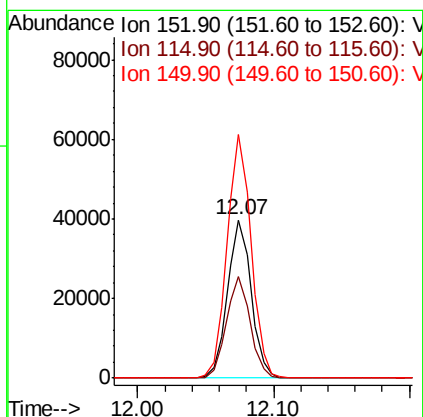
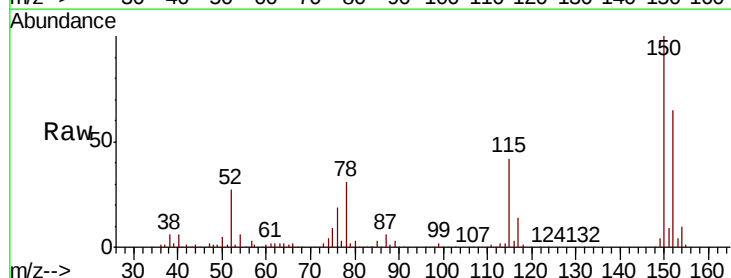
Instrument :
MSVOA_X
ClientSampleId :
T12-B4-(0)

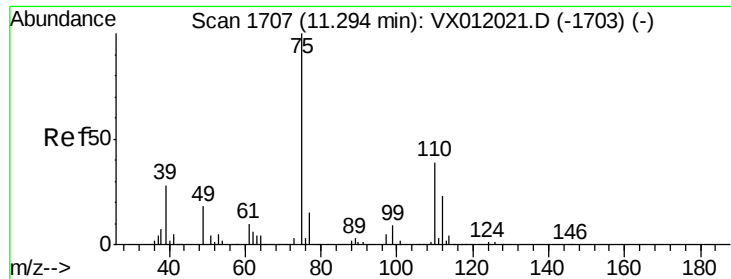
Tgt Ion:117 Resp: 174859
Ion Ratio Lower Upper
117 100
82 58.0 39.4 59.0
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012132.D
Acq: 06 Sep 2019 07:03

Tgt Ion:152 Resp: 47843
Ion Ratio Lower Upper
152 100
115 64.4 36.4 109.3
150 157.0 0.0 341.2





#76

1,2,3-Trichloropropane

Concen: 70.428 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012132.D

Acq: 06 Sep 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

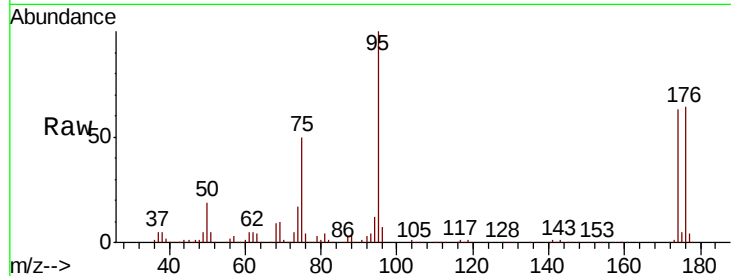
T12-B4-(0)

Tgt Ion: 75 Resp: 41170

Ion Ratio Lower Upper

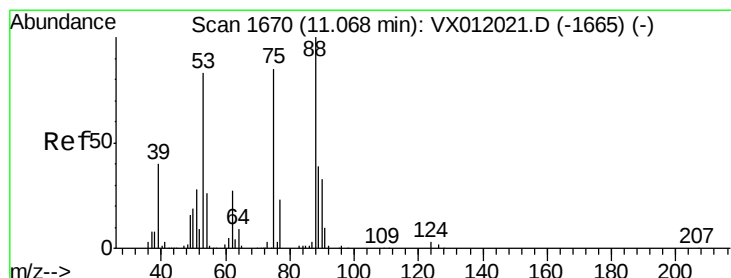
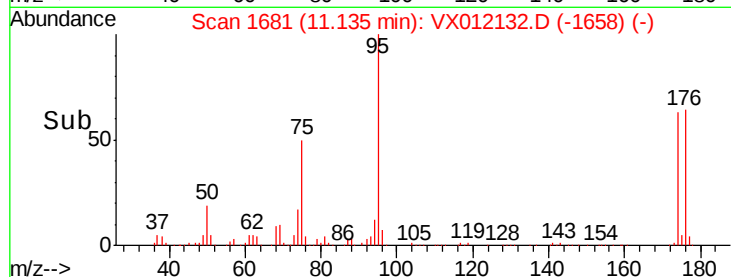
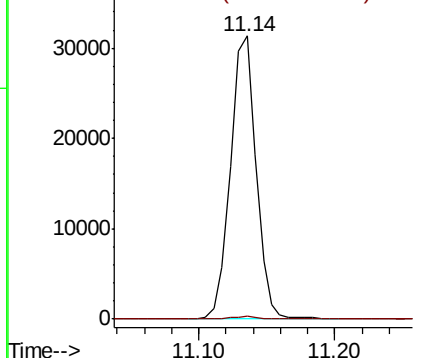
75 100

77 1.0 23.5 70.5#



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: 166.503 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012132.D

Acq: 06 Sep 2019 07:03

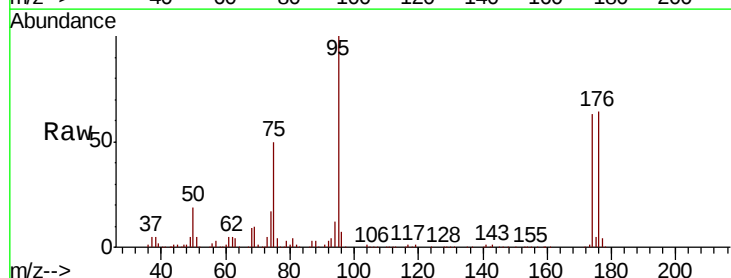
Tgt Ion: 75 Resp: 41170

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.1 38.8 58.2#



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

