

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012130.D
 Acq On : 06 Sep 2019 06:07
 Operator : SY/SP
 Sample : K4580-05
 Misc : 2.34g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-B2-(0)

Quant Time: Sep 06 07:36:34 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	146395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	216258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82787	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	100581	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	5.48	113	75210	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	296318	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.14	95	111835	42.31	ug/l	0.00
Spiked Amount			Recovery	=	84.62%	

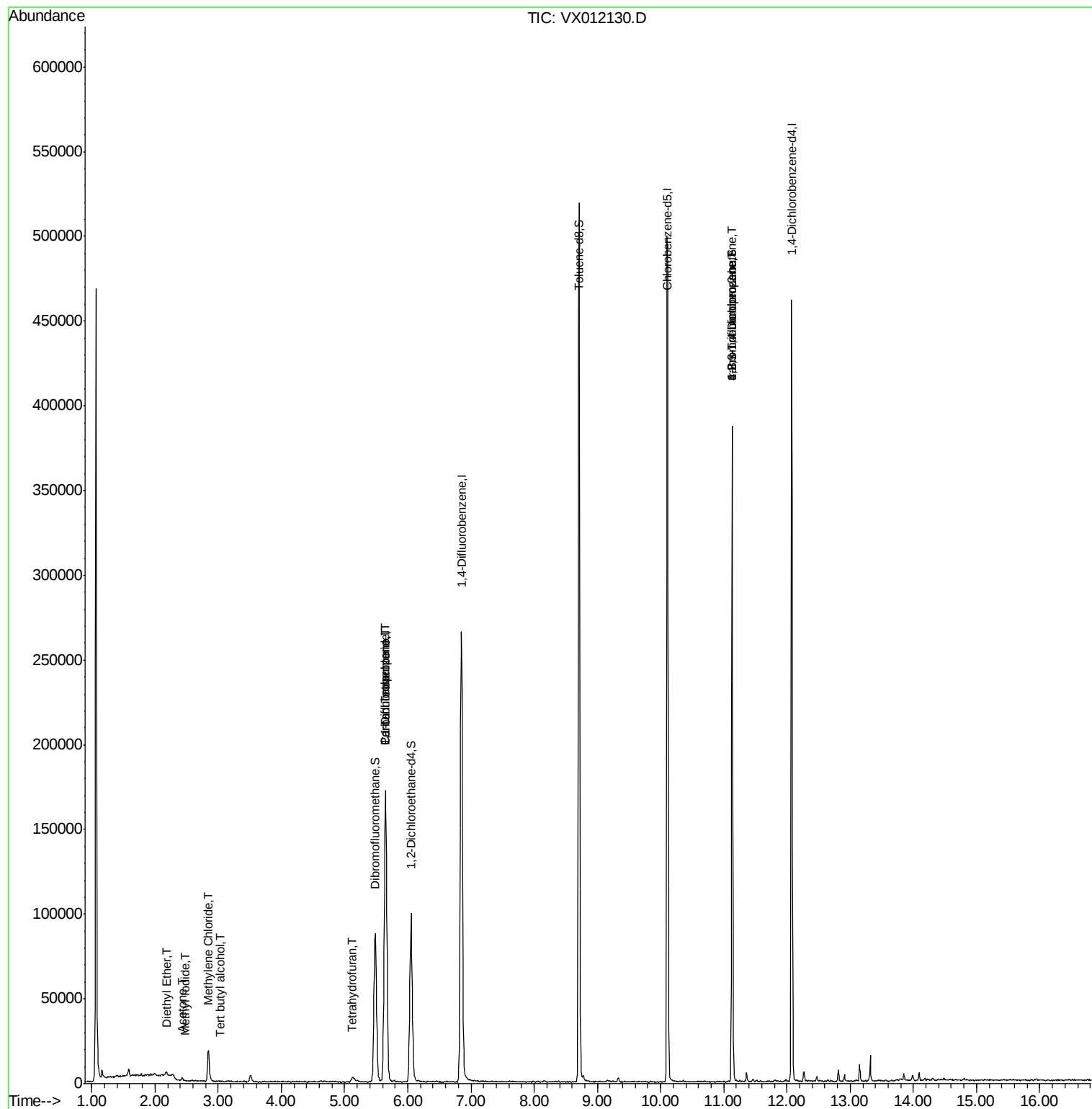
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	701	1.004	ug/l	83
10) Methyl Iodide	2.48	142	20	7.000	ug/l #	40
11) Tert butyl alcohol	3.03	59	236	1.216	ug/l #	68
13) Acrolein	2.28	56	130	Below Cal	#	19
16) Acetone	2.43	43	1929	3.995	ug/l #	87
20) Methylene Chloride	2.84	84	9100	4.694	ug/l #	96
29) Tetrahydrofuran	5.12	42	3011	8.132	ug/l #	81
36) 1,1-Dichloropropene	5.65	75	13508	6.089	ug/l #	49
38) Carbon Tetrachloride	5.64	117	16797	7.185	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	57092	56.441	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	57092	133.436	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: VX012130.D

Acq: 06 Sep 2019 06:07

Instrument :

MSVOA_X

ClientSampleId :

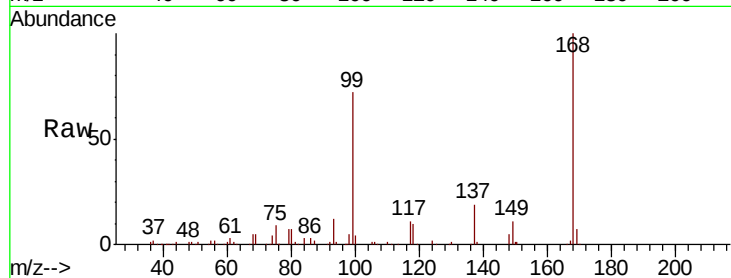
T12-B2-(0)

Tgt Ion:168 Resp: 146395

Ion Ratio Lower Upper

168 100

99 72.4 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

60000

50000

40000

30000

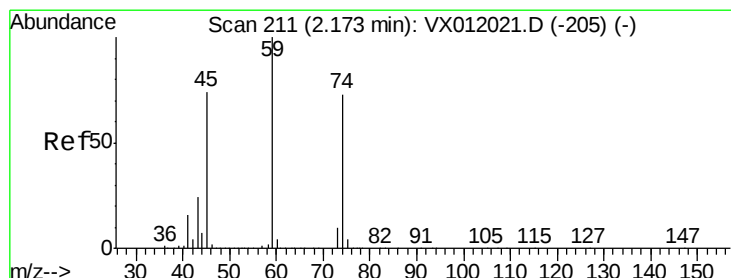
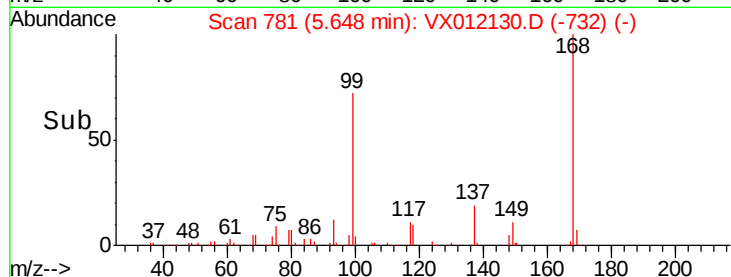
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.004 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012130.D

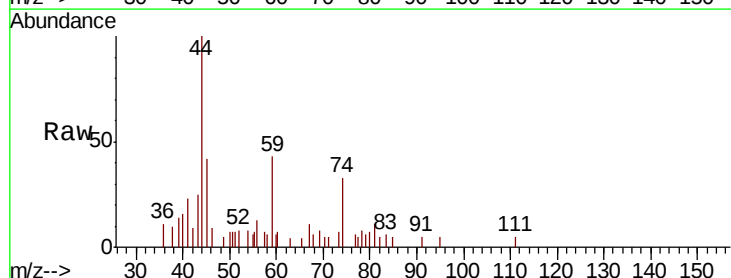
Acq: 06 Sep 2019 06:07

Tgt Ion: 74 Resp: 701

Ion Ratio Lower Upper

74 100

45 107.6 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

600

500

400

300

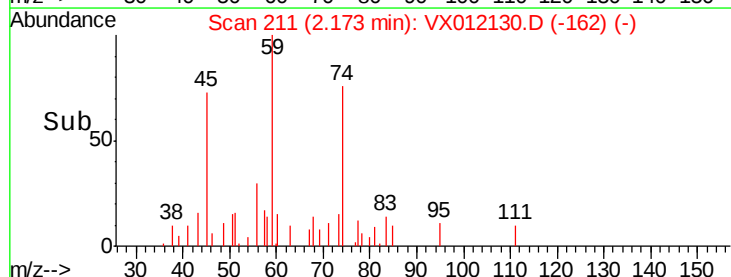
200

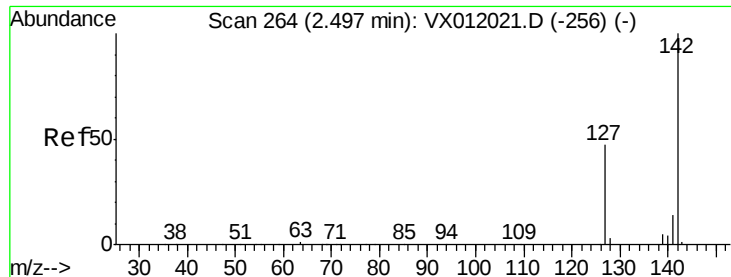
100

0

Time-->

2.10 2.15 2.20

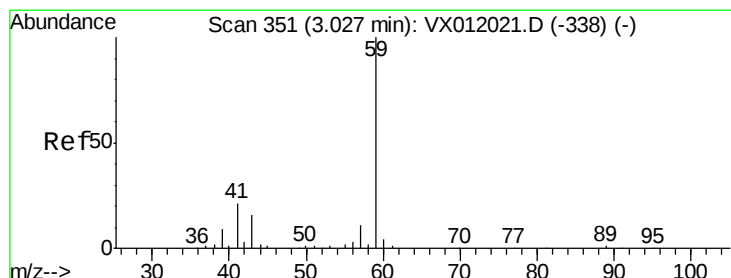
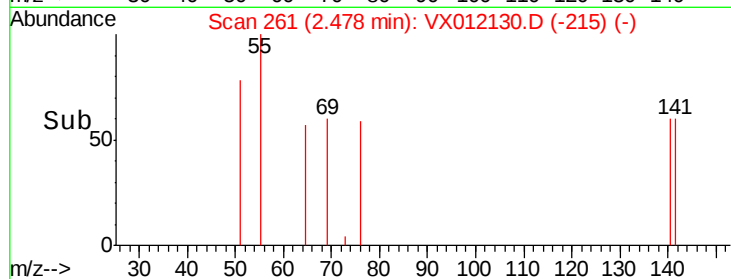
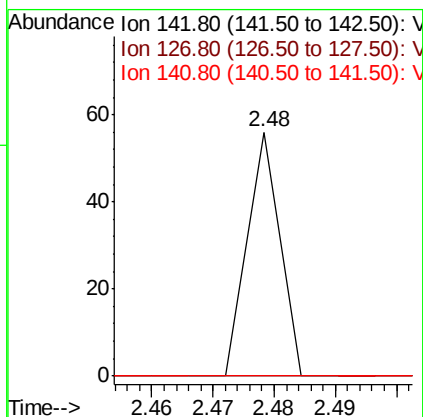
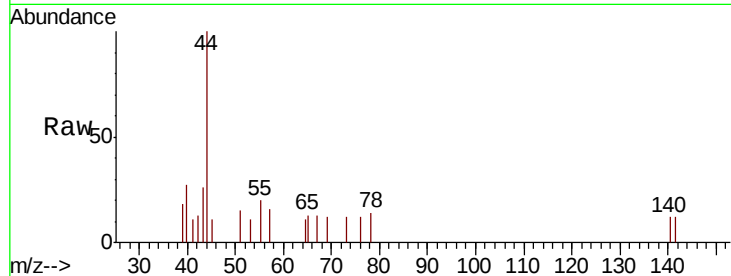




#10
Methyl Iodide
Concen: 7.000 ug/l
RT: 2.48 min Scan# 261
Delta R.T. -0.02 min
Lab File: VX012130.D
Acq: 06 Sep 2019 06:07

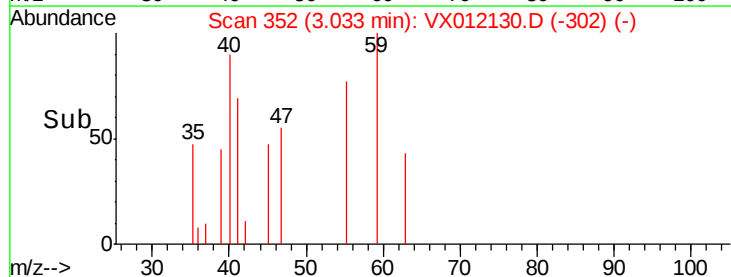
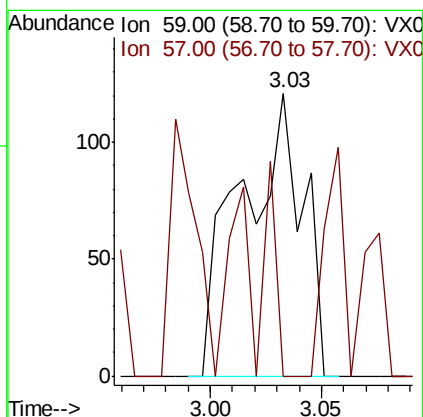
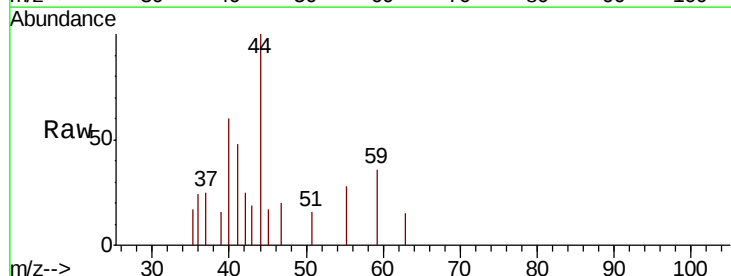
Instrument :
MSVOA_X
ClientSampleId :
T12-B2-(0)

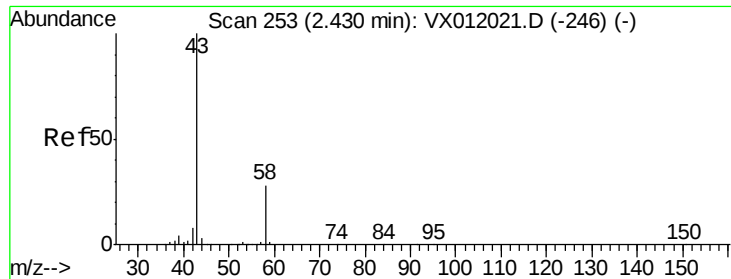
Tgt Ion: 142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.216 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012130.D
Acq: 06 Sep 2019 06:07

Tgt Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 21.6 7.9 11.9#





#16

Acetone

Concen: 3.995 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012130.D

Acq: 06 Sep 2019 06:07

Instrument :

MSVOA_X

ClientSampled :

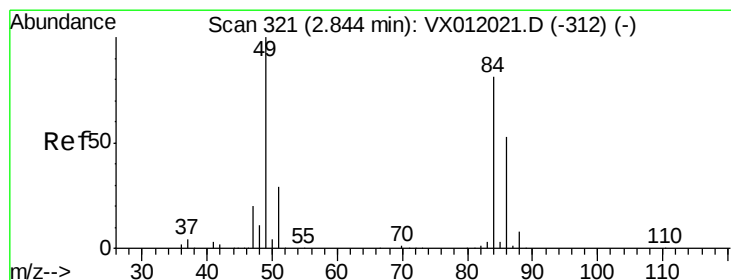
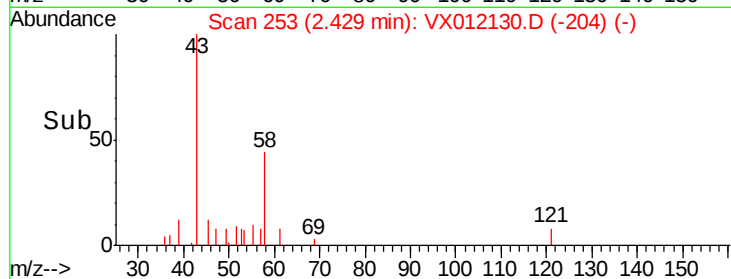
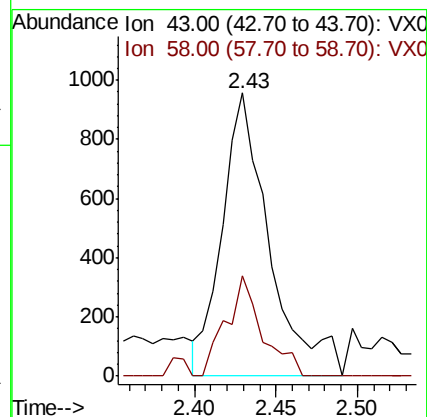
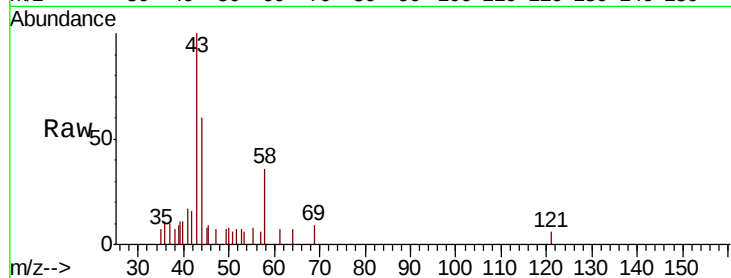
T12-B2-(0)

Tgt Ion: 43 Resp: 1929

Ion Ratio Lower Upper

43 100

58 35.6 22.8 34.2#



#20

Methylene Chloride

Concen: 4.694 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012130.D

Acq: 06 Sep 2019 06:07

Tgt Ion: 84 Resp: 9100

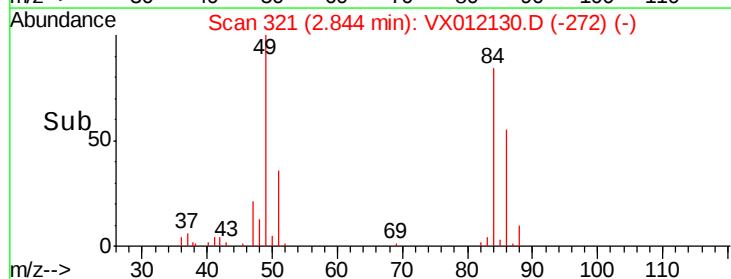
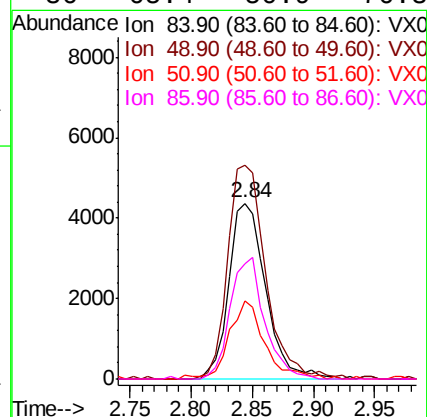
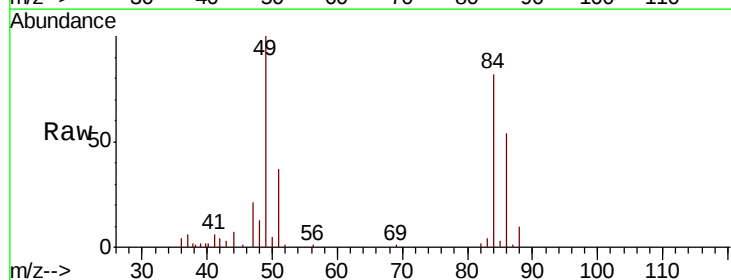
Ion Ratio Lower Upper

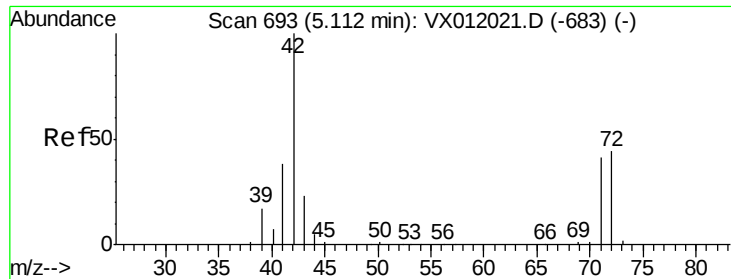
84 100

49 121.4 95.8 143.8

51 44.4 28.6 43.0#

86 65.4 50.9 76.3





#29

Tetrahydrofuran

Concen: 8.132 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012130.D

Acq: 06 Sep 2019 06:07

Instrument :

MSVOA_X

ClientSampleId :

T12-B2-(0)

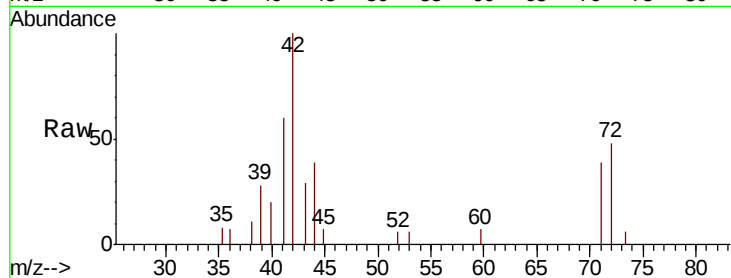
Tgt Ion: 42 Resp: 3011

Ion Ratio Lower Upper

42 100

72 42.4 37.0 55.4

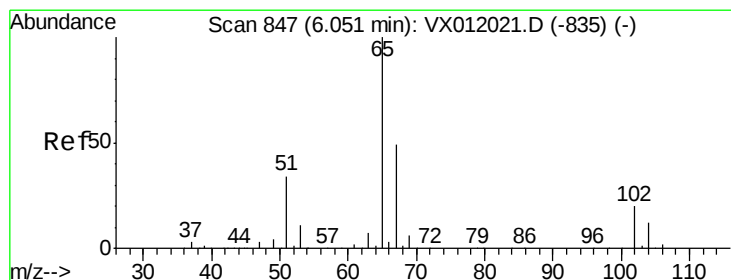
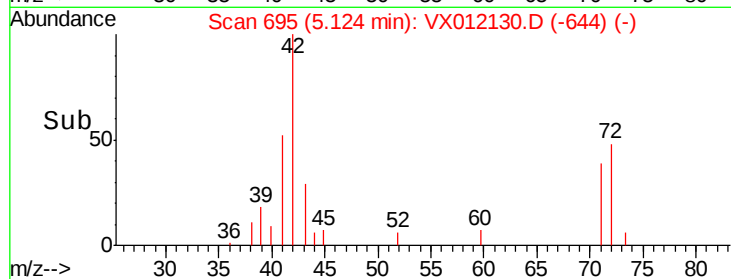
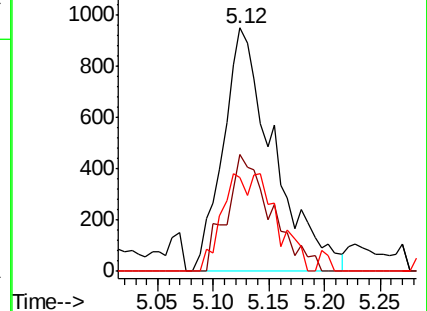
71 20.5 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.794 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012130.D

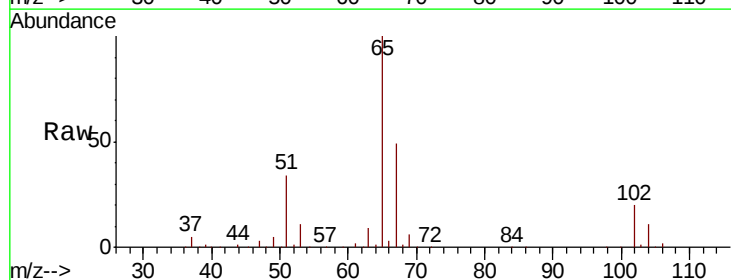
Acq: 06 Sep 2019 06:07

Tgt Ion: 65 Resp: 100581

Ion Ratio Lower Upper

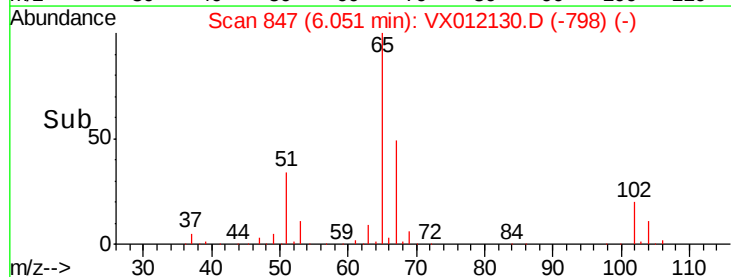
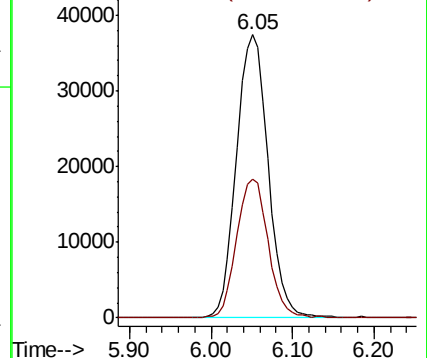
65 100

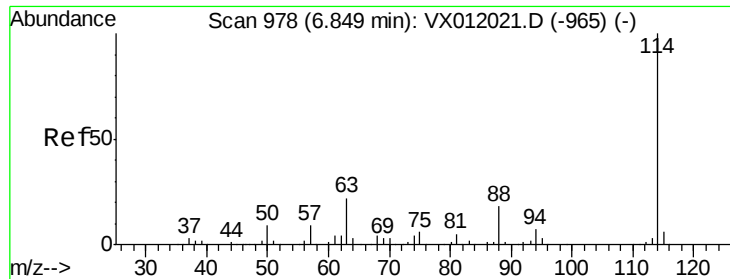
67 48.6 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

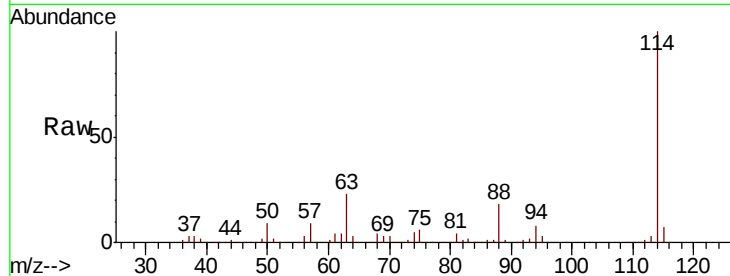




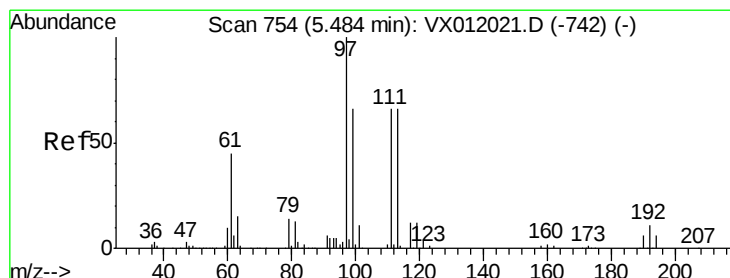
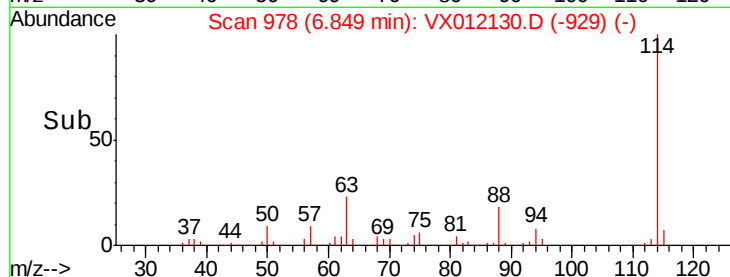
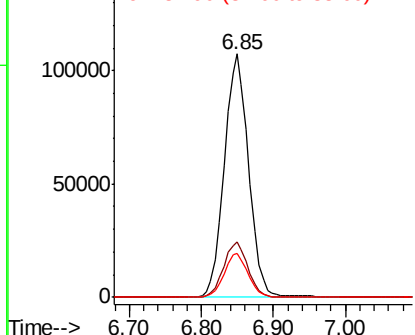
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012130.D
 Acq: 06 Sep 2019 06:07

Instrument :
 MSVOA_X
 ClientSampleID :
 T12-B2-(0)

Tgt Ion:114 Resp: 251881
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 37.4
 88 17.9 0.0 29.6

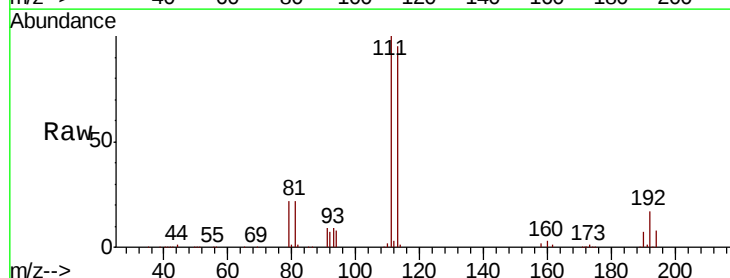


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

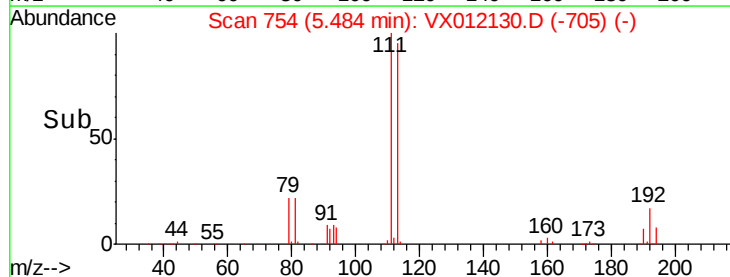
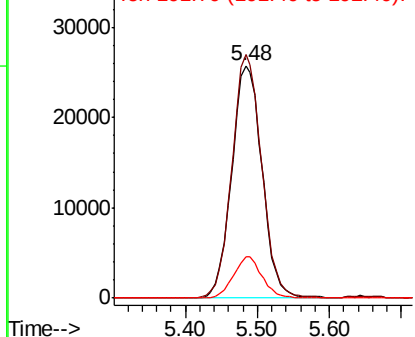


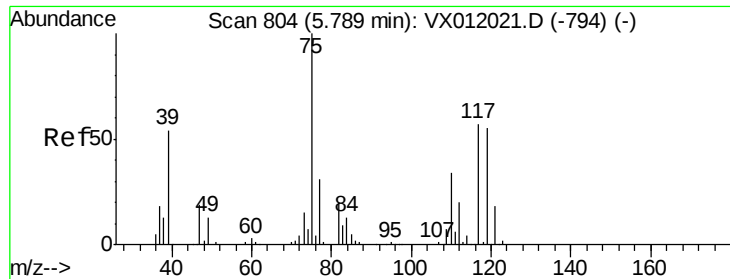
#35
 Dibromofluoromethane
 Concen: 48.554 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012130.D
 Acq: 06 Sep 2019 06:07

Tgt Ion:113 Resp: 75210
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 16.7 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

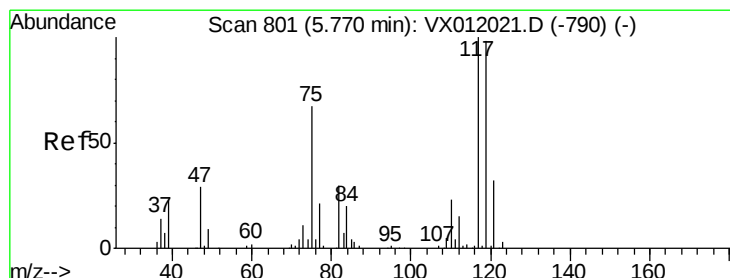
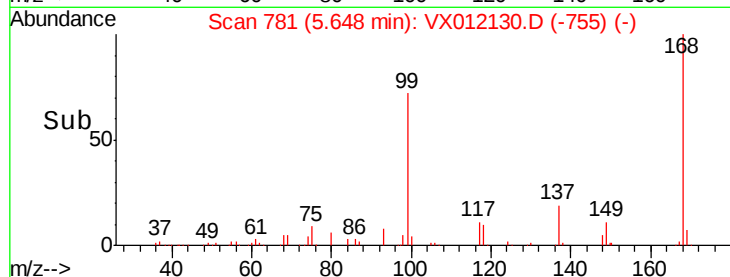
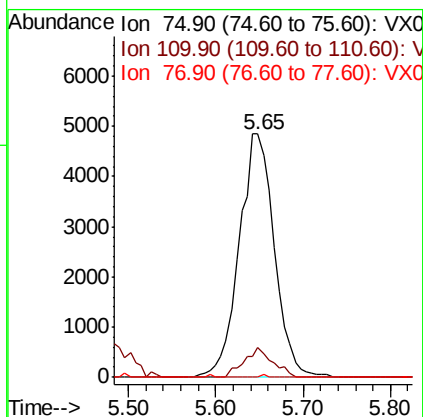
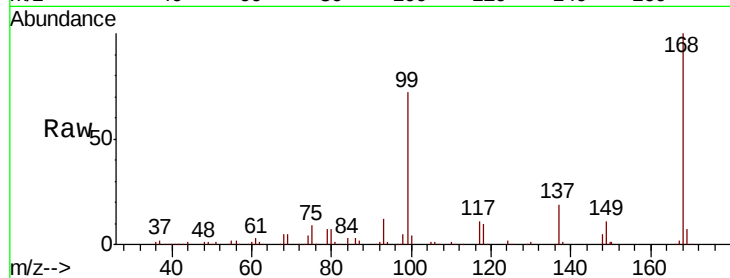




#36
 1,1-Dichloropropene
 Concen: 6.089 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012130.D
 Acq: 06 Sep 2019 06:07

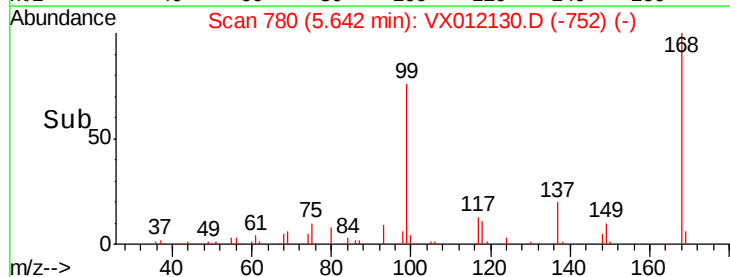
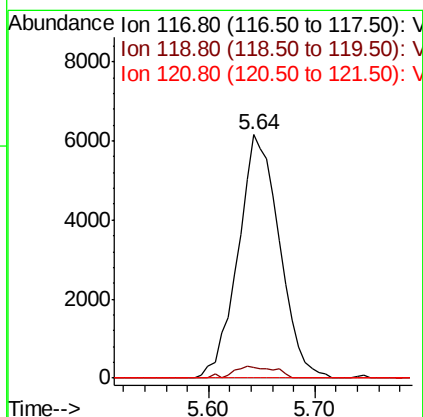
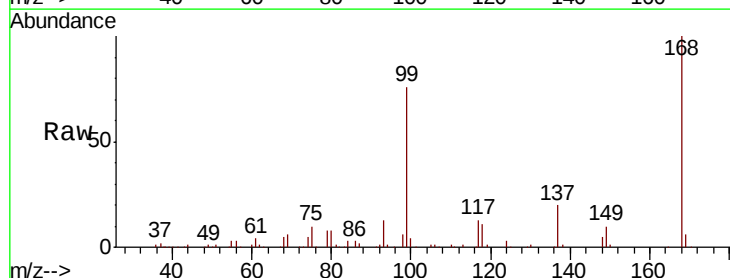
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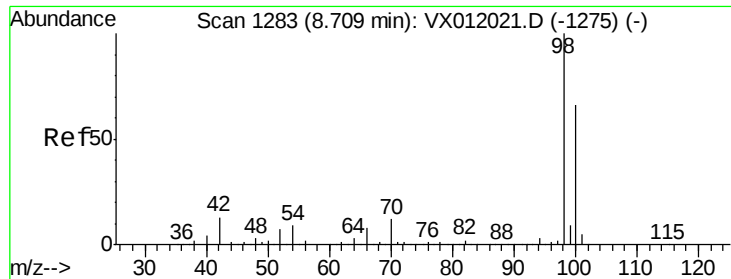
Tgt Ion: 75 Resp: 13508
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.5 58.5#
 77 0.2 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.185 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012130.D
 Acq: 06 Sep 2019 06:07

Tgt Ion: 117 Resp: 16797
 Ion Ratio Lower Upper
 117 100
 119 4.2 78.3 117.5#
 121 0.0 24.2 36.2#

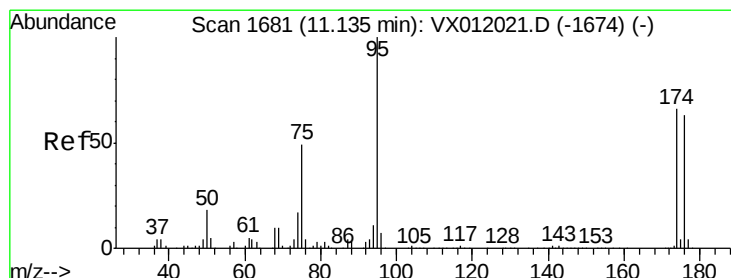
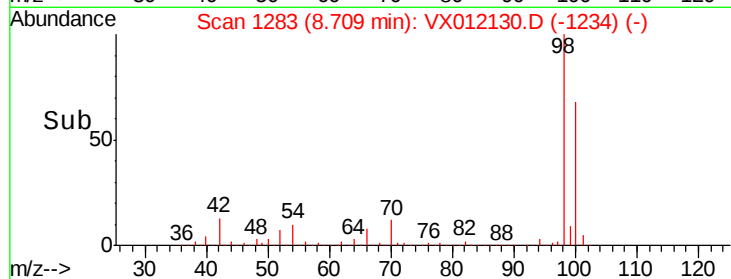
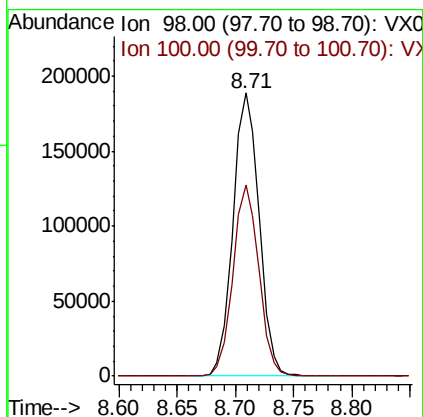
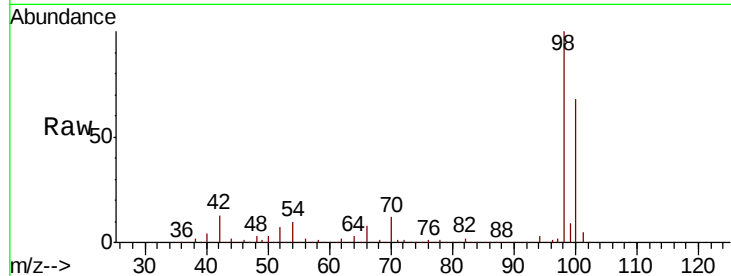




#50
Toluene-d8
Concen: 52.131 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012130.D
Acq: 06 Sep 2019 06:07

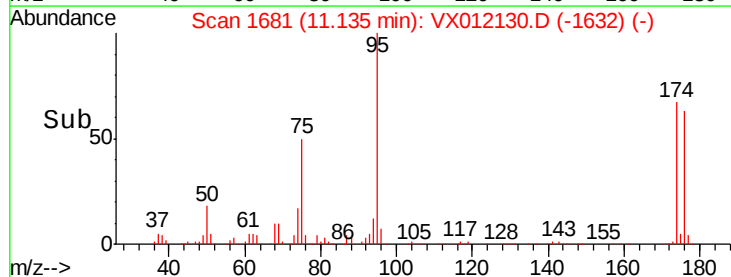
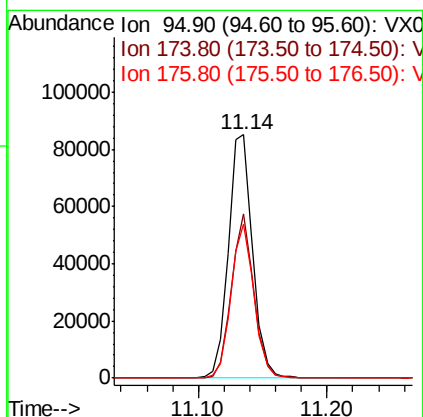
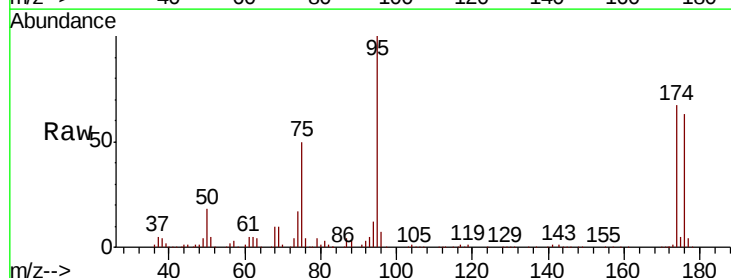
Instrument :
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T12-B2-(0)

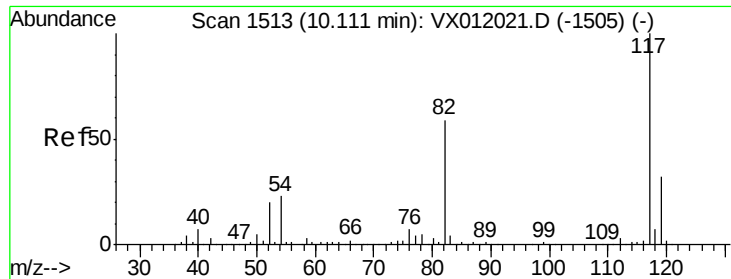
Tgt Ion: 98 Resp: 296318
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 42.307 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012130.D
Acq: 06 Sep 2019 06:07

Tgt Ion: 95 Resp: 111835
Ion Ratio Lower Upper
95 100
174 62.7 0.0 205.4
176 60.0 0.0 201.8

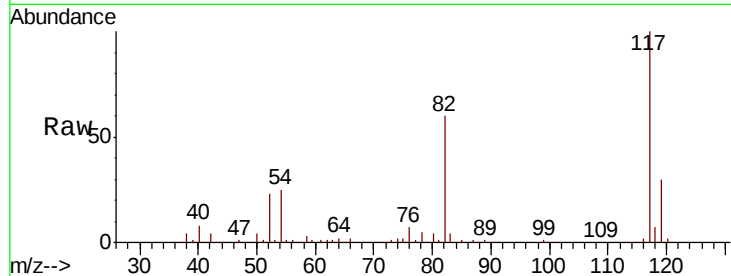




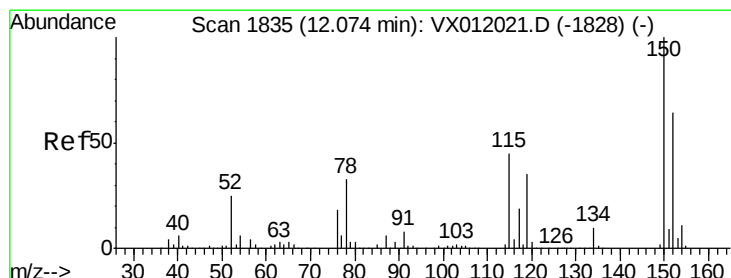
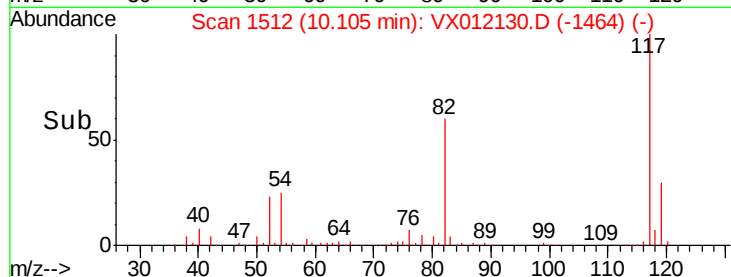
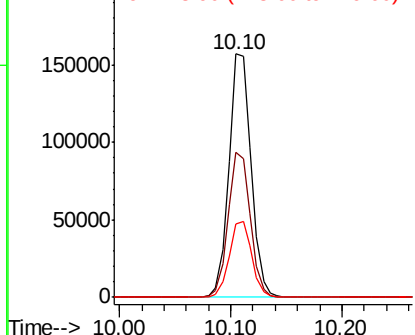
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012130.D
Acq: 06 Sep 2019 06:07

Instrument :
MSVOA_X
ClientSampleId :
T12-B2-(0)

Tgt Ion:117 Resp: 216258
Ion Ratio Lower Upper
117 100
82 59.8 39.4 59.0#
119 30.2 26.1 39.1

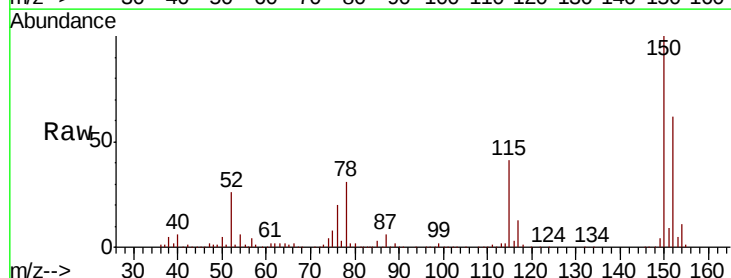


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

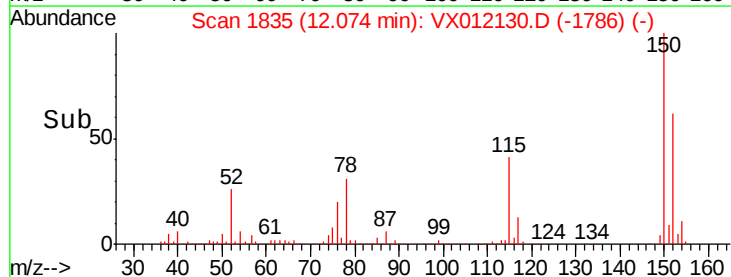
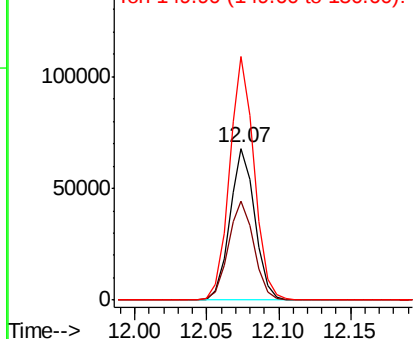


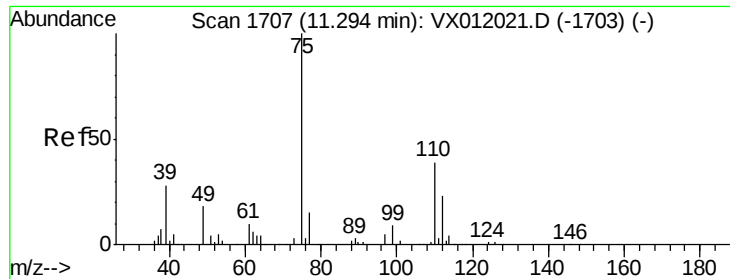
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012130.D
Acq: 06 Sep 2019 06:07

Tgt Ion:152 Resp: 82787
Ion Ratio Lower Upper
152 100
115 67.2 36.4 109.3
150 158.0 0.0 341.2



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: 56.441 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012130.D

Acq: 06 Sep 2019 06:07

Instrument :

MSVOA_X

ClientSampleId :

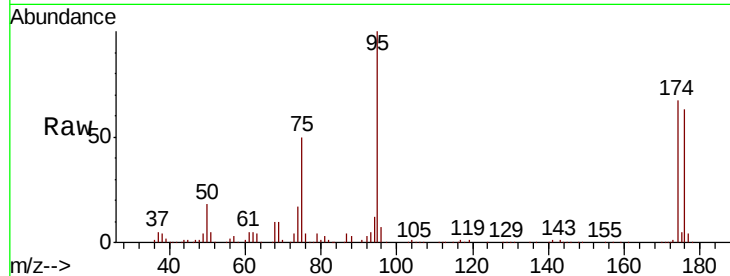
T12-B2-(0)

Tgt Ion: 75 Resp: 57092

Ion Ratio Lower Upper

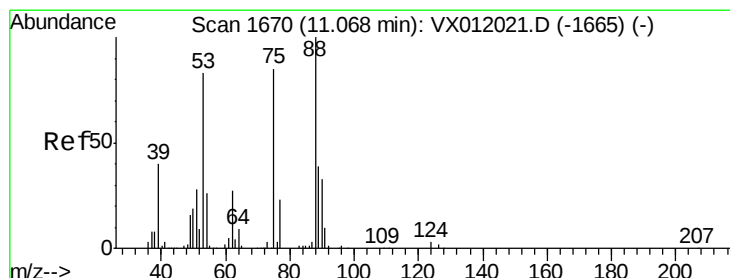
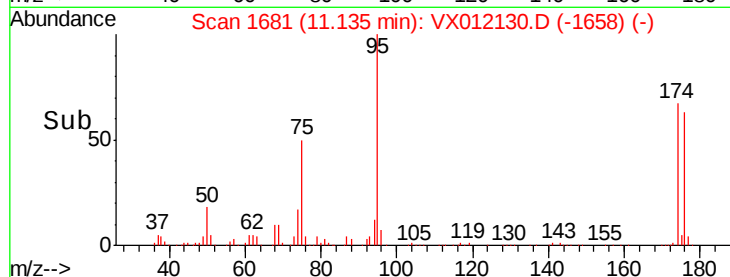
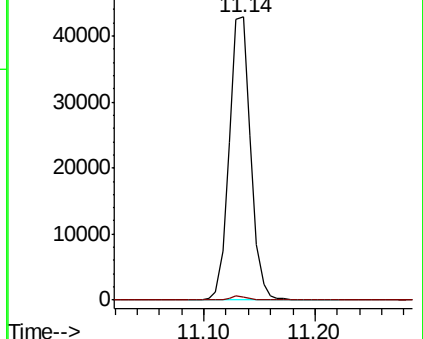
75 100

77 1.2 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: 133.436 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012130.D

Acq: 06 Sep 2019 06:07

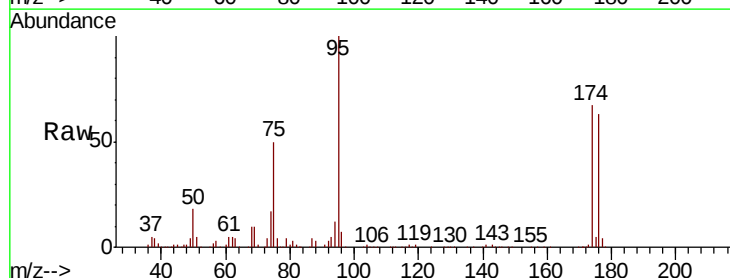
Tgt Ion: 75 Resp: 57092

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

