

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012058.D
 Acq On : 04 Sep 2019 18:07
 Operator : SY/SP
 Sample : K4546-04RE
 Misc : 4.90g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C2-(2.5)

Quant Time: Sep 05 05:25:41 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	158536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93042	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	105876	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	5.48	113	81938	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	8.71	98	324900	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.14	95	122396	42.33	ug/l	0.00
Spiked Amount			Recovery	=	84.66%	

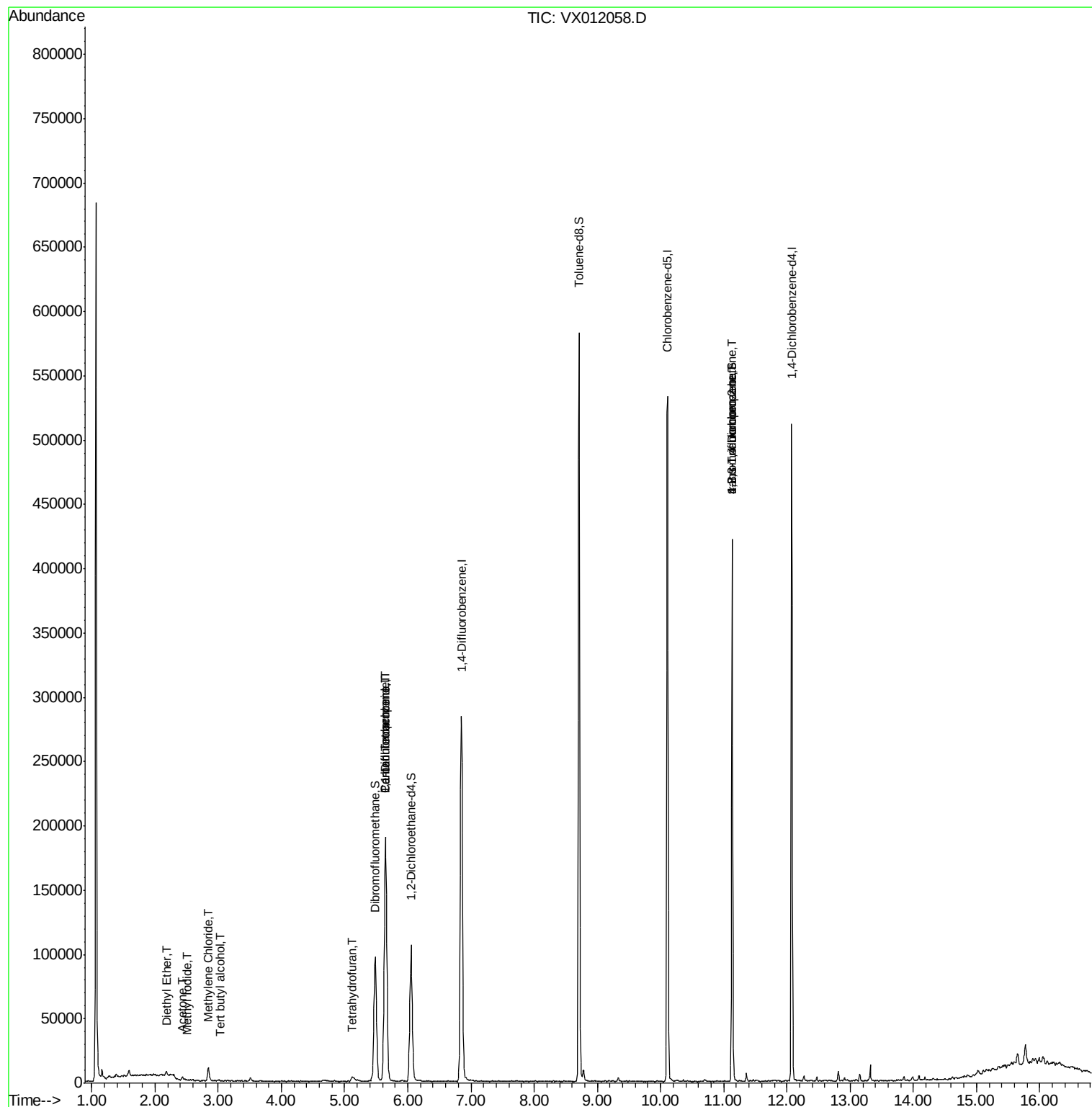
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	775	1.025	ug/l	97
10) Methyl Iodide	2.51	142	169	7.077	ug/l #	71
11) Tert butyl alcohol	3.03	59	941	4.479	ug/l #	86
13) Acrolein	2.28	56	57	Below Cal	#	7
16) Acetone	2.43	43	2325	4.447	ug/l	95
20) Methylene Chloride	2.84	84	5157	2.456	ug/l	94
29) Tetrahydrofuran	5.12	42	3453	8.611	ug/l	94
36) 1,1-Dichloropropene	5.64	75	14963	6.166	ug/l #	48
38) Carbon Tetrachloride	5.64	117	19092	7.467	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	63642	55.982	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	63642	132.350	ug/l #	10

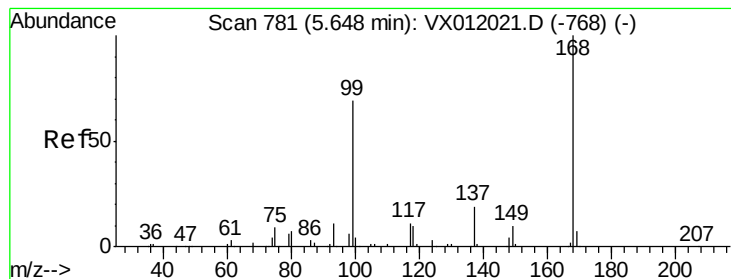
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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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: VX012058.D

Acq: 04 Sep 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

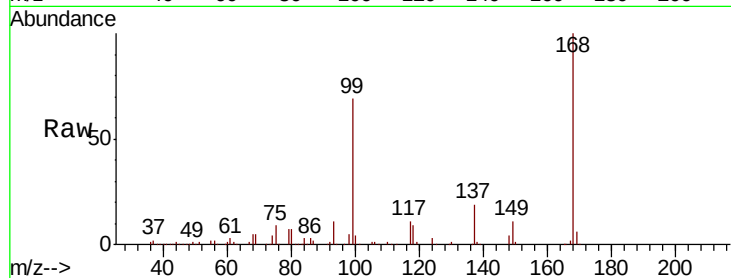
T3-S-C2-(2.5)

Tgt Ion:168 Resp: 158536

Ion Ratio Lower Upper

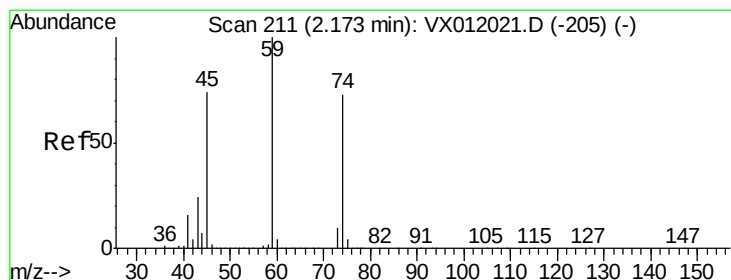
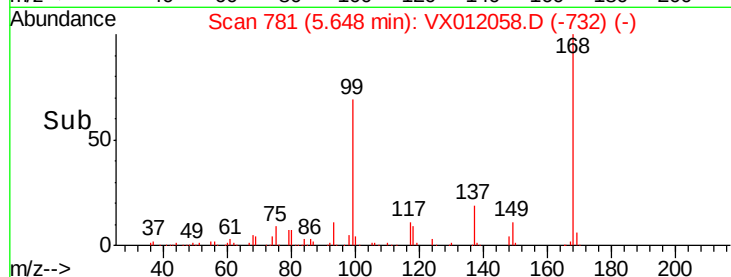
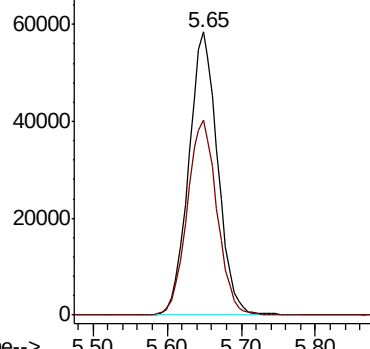
168 100

99 69.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.025 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012058.D

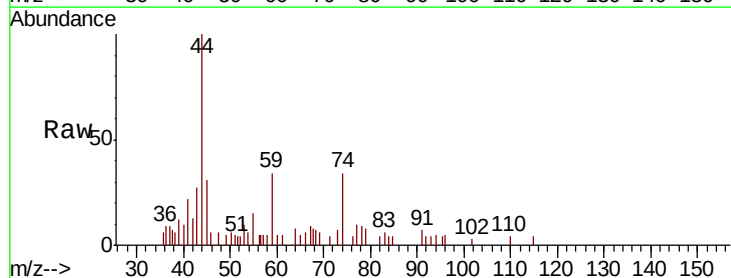
Acq: 04 Sep 2019 18:07

Tgt Ion: 74 Resp: 775

Ion Ratio Lower Upper

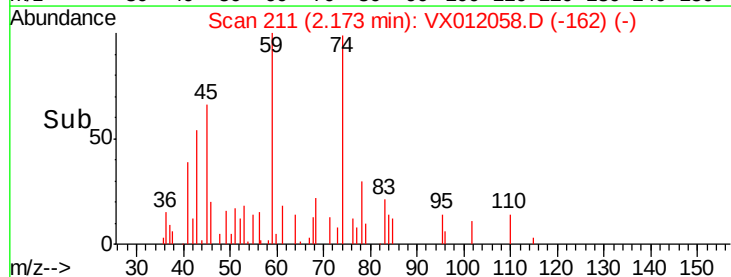
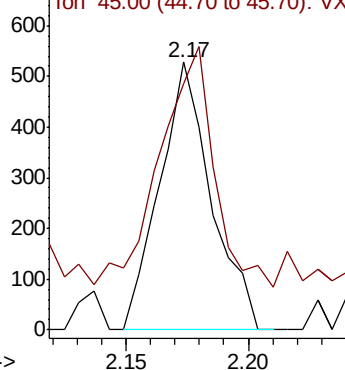
74 100

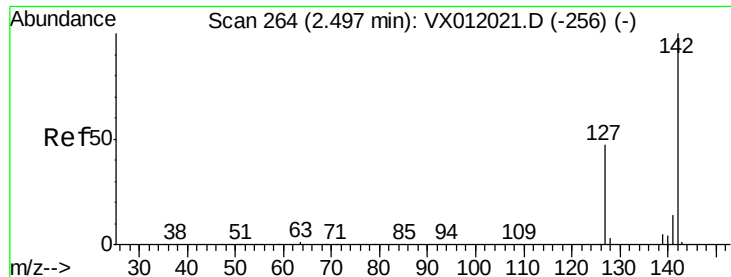
45 94.5 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

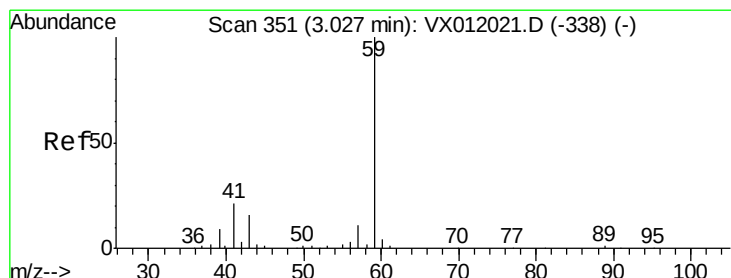
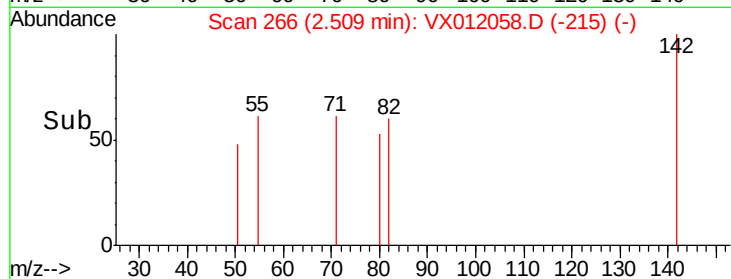
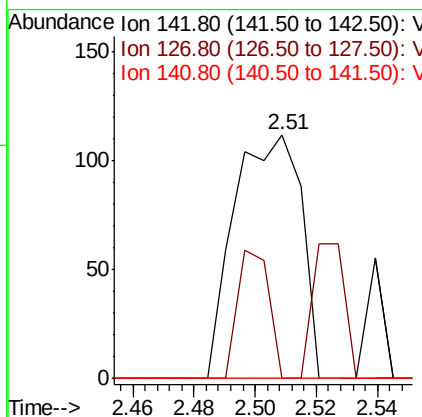
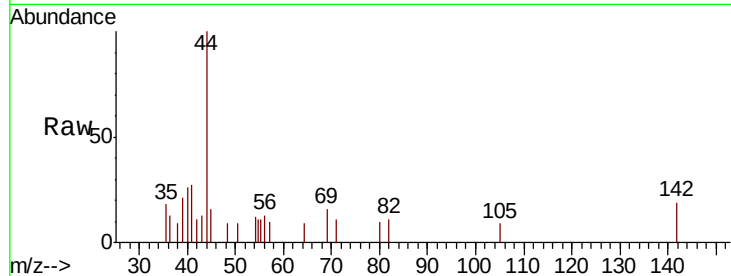




#10
Methyl Iodide
Concen: 7.077 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012058.D
Acq: 04 Sep 2019 18:07

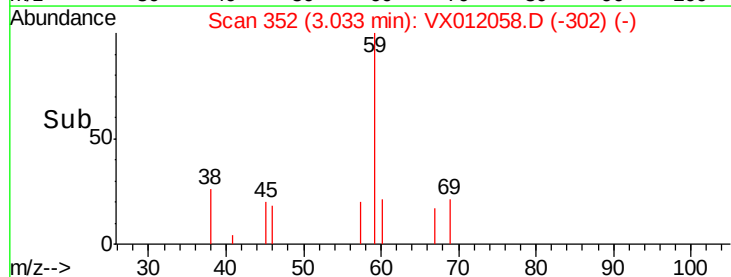
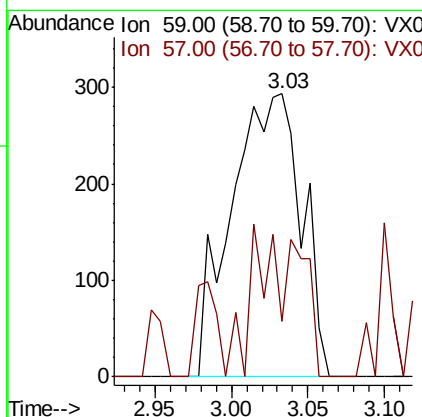
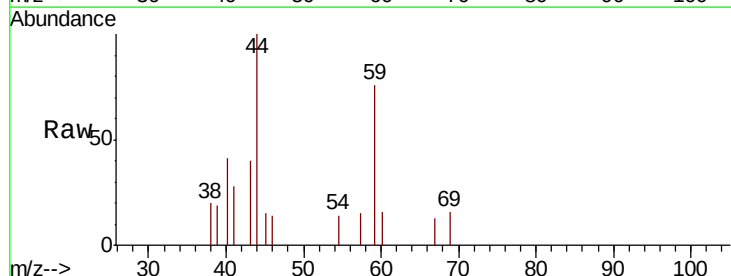
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C2-(2.5)

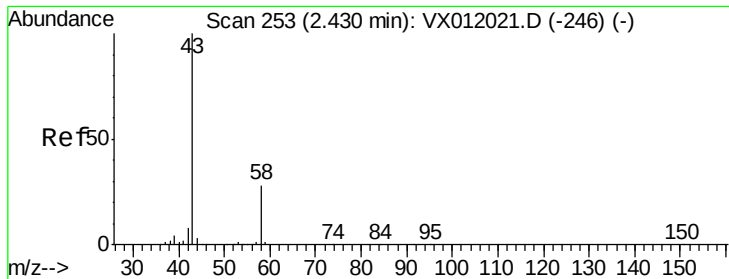
Tgt Ion: 142 Resp: 169
Ion Ratio Lower Upper
142 100
127 26.6 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 4.479 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012058.D
Acq: 04 Sep 2019 18:07

Tgt Ion: 59 Resp: 941
Ion Ratio Lower Upper
59 100
57 15.1 7.9 11.9#





#16

Acetone

Concen: 4.447 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012058.D

Acq: 04 Sep 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

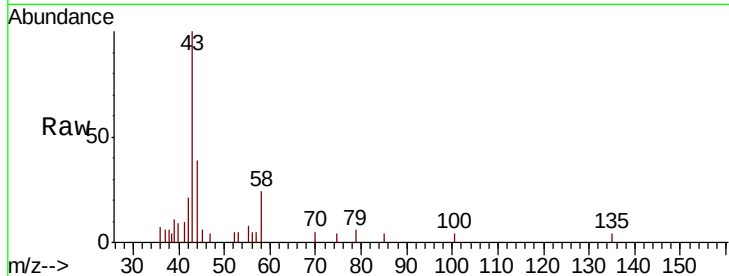
T3-S-C2-(2.5)

Tgt Ion: 43 Resp: 2325

Ion Ratio Lower Upper

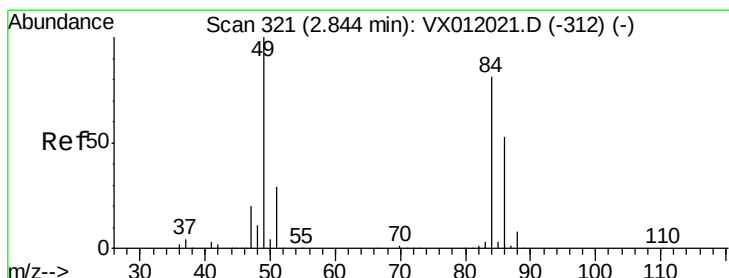
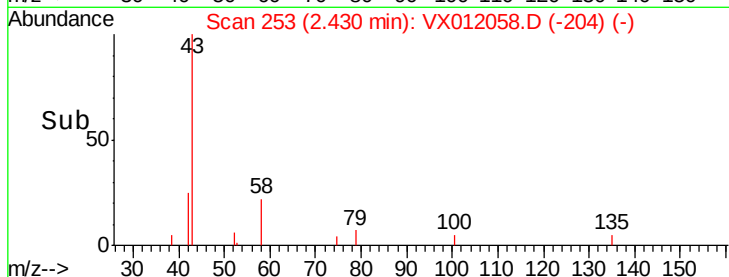
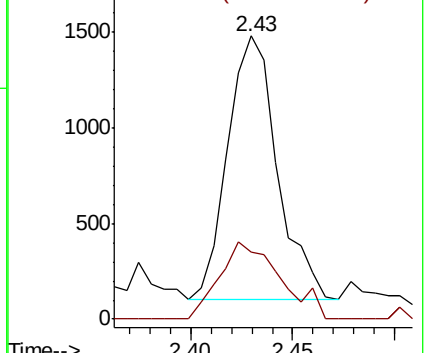
43 100

58 25.6 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 2.456 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012058.D

Acq: 04 Sep 2019 18:07

Tgt Ion: 84 Resp: 5157

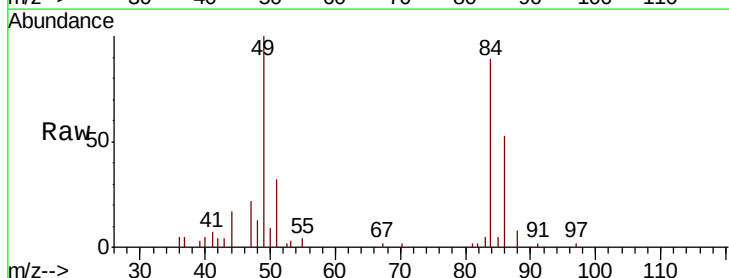
Ion Ratio Lower Upper

84 100

49 112.1 95.8 143.8

51 36.2 28.6 43.0

86 58.9 50.9 76.3

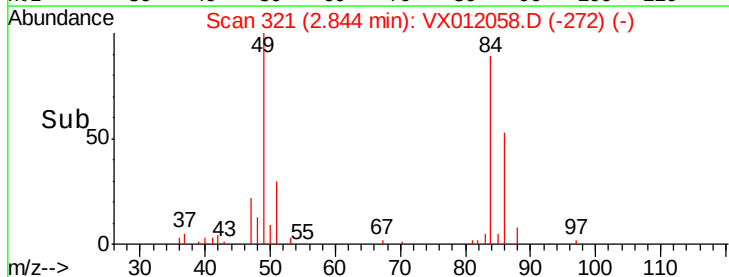
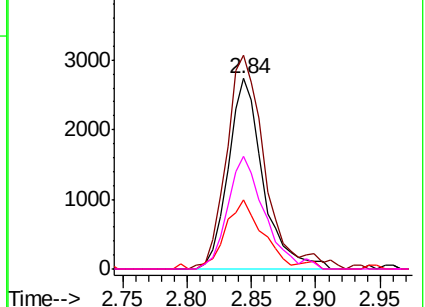


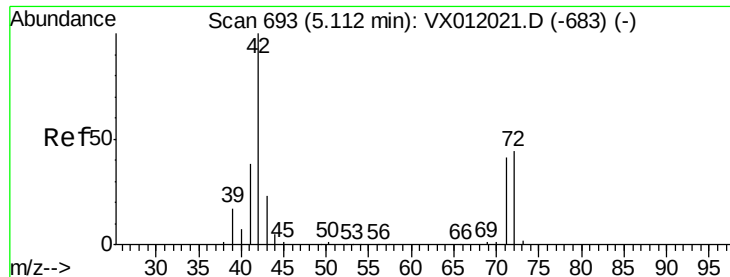
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 8.611 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012058.D

Acq: 04 Sep 2019 18:07

Instrument :

MSVOA_X

ClientSampled :

T3-S-C2-(2.5)

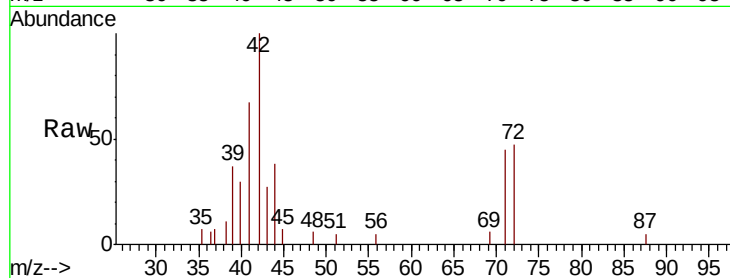
Tgt Ion: 42 Resp: 3453

Ion Ratio Lower Upper

42 100

72 48.7 37.0 55.4

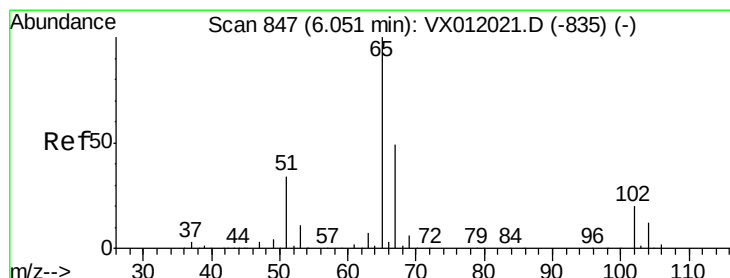
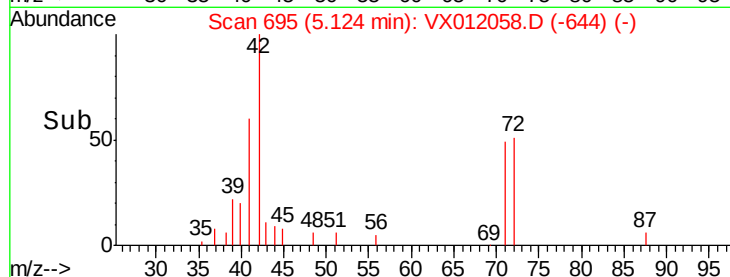
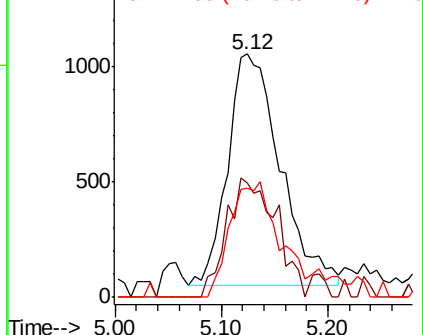
71 47.6 33.8 50.8



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: 48.401 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012058.D

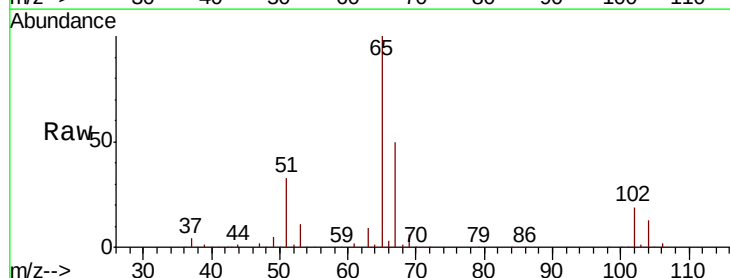
Acq: 04 Sep 2019 18:07

Tgt Ion: 65 Resp: 105876

Ion Ratio Lower Upper

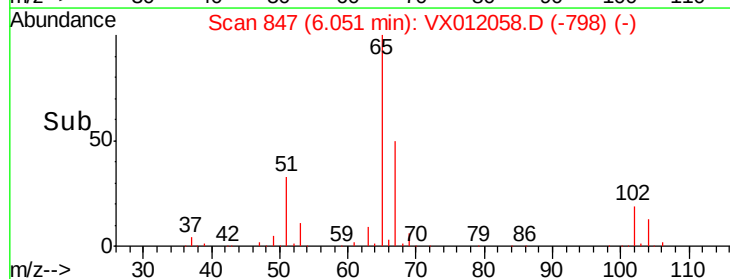
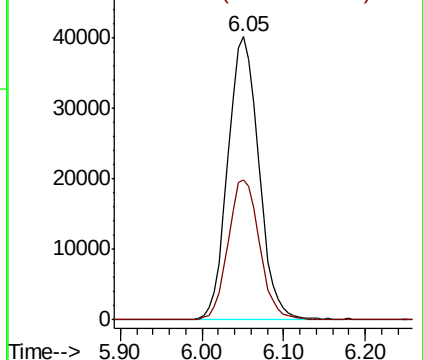
65 100

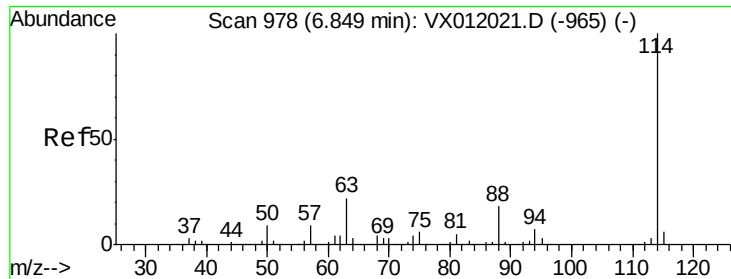
67 49.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

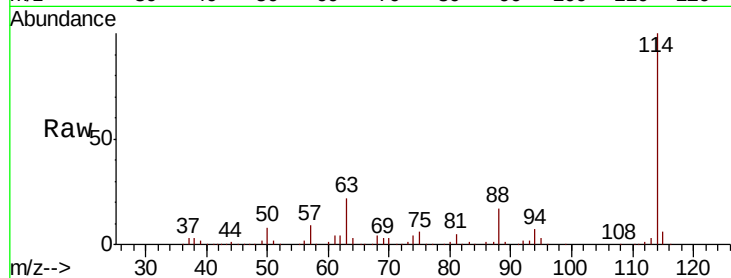




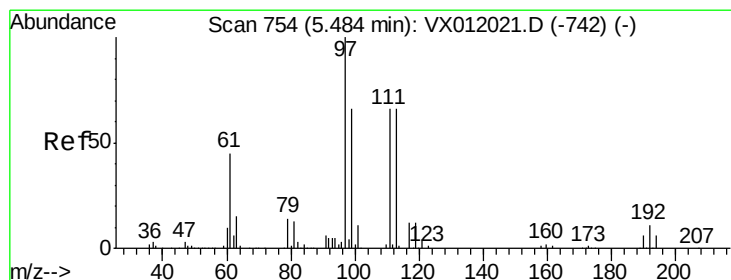
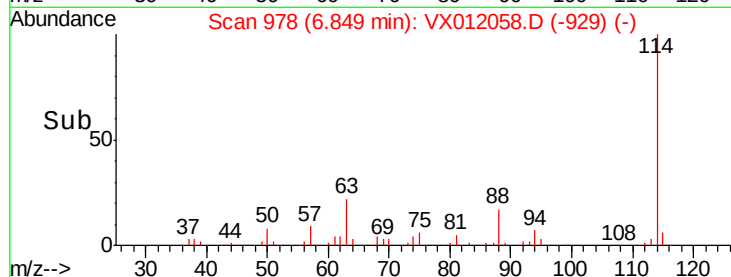
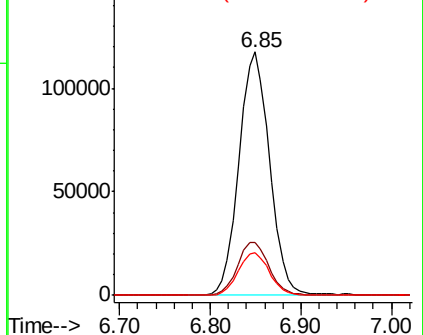
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012058.D
 Acq: 04 Sep 2019 18:07

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C2-(2.5)

Tgt Ion:114 Resp: 275514
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 37.4
 88 17.3 0.0 29.6

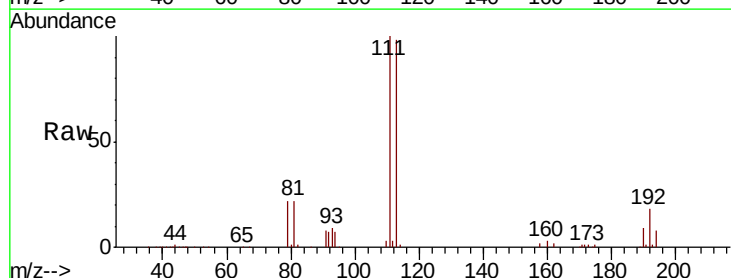


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

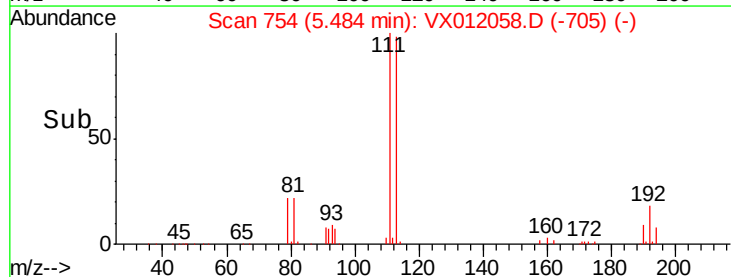
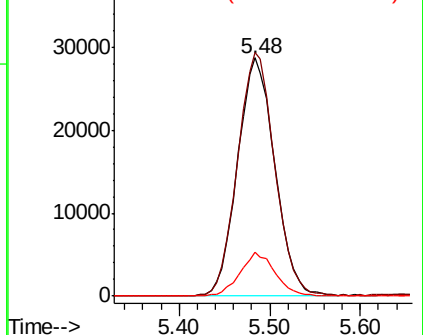


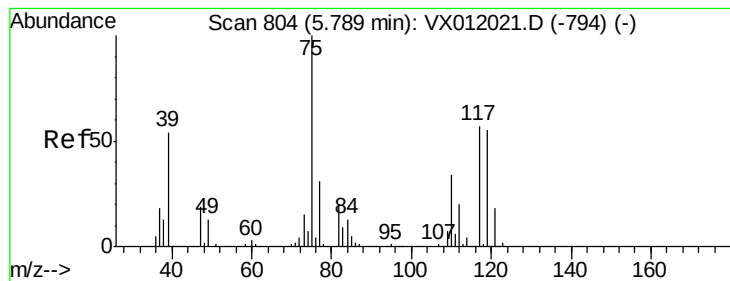
#35
 Dibromofluoromethane
 Concen: 48.360 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012058.D
 Acq: 04 Sep 2019 18:07

Tgt Ion:113 Resp: 81938
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.7 122.5
 192 17.3 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: 6.166 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012058.D

Acq: 04 Sep 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C2-(2.5)

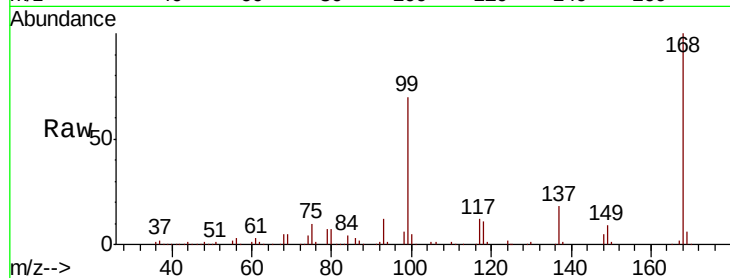
Tgt Ion: 75 Resp: 14963

Ion Ratio Lower Upper

75 100

110 9.2 19.5 58.5#

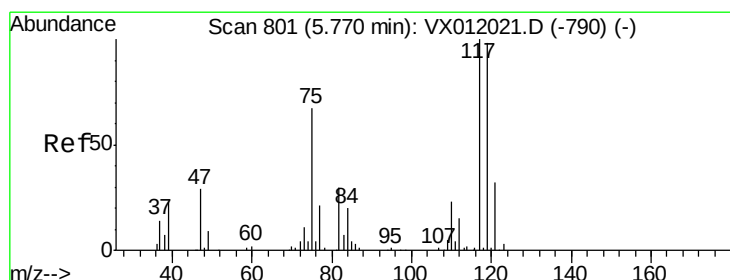
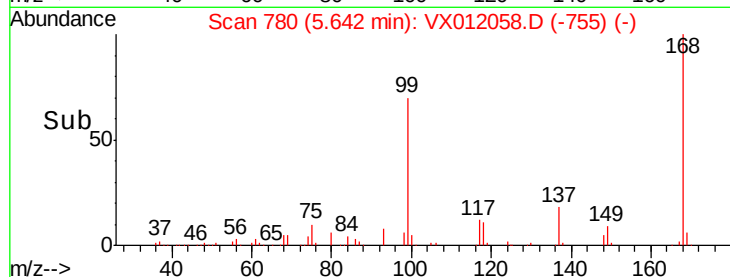
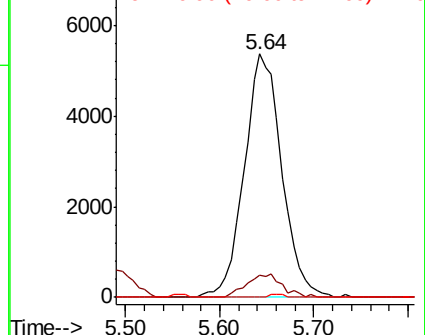
77 0.0 24.6 37.0#



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: 7.467 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012058.D

Acq: 04 Sep 2019 18:07

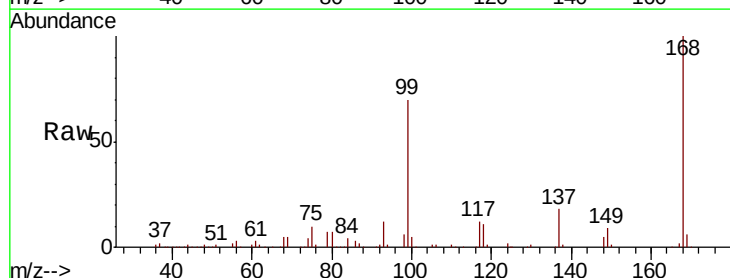
Tgt Ion: 117 Resp: 19092

Ion Ratio Lower Upper

117 100

119 4.7 78.3 117.5#

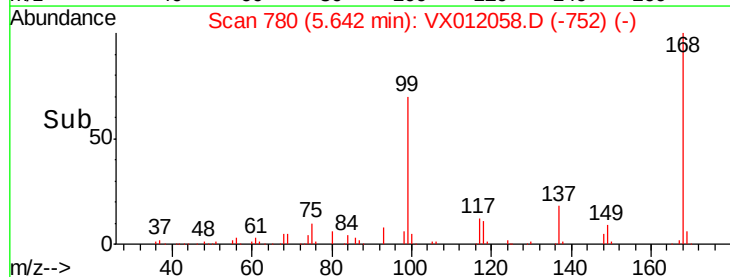
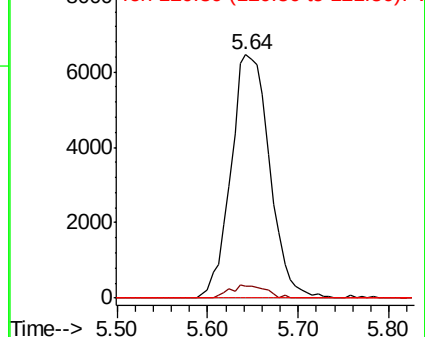
121 0.0 24.2 36.2#

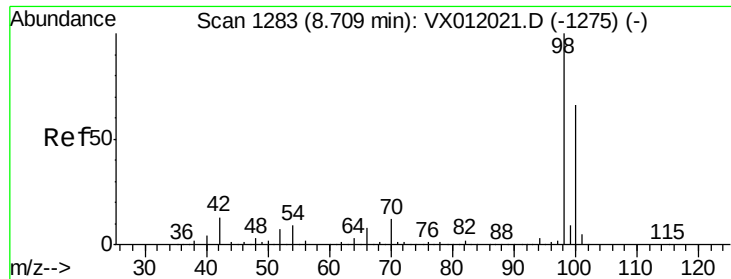


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

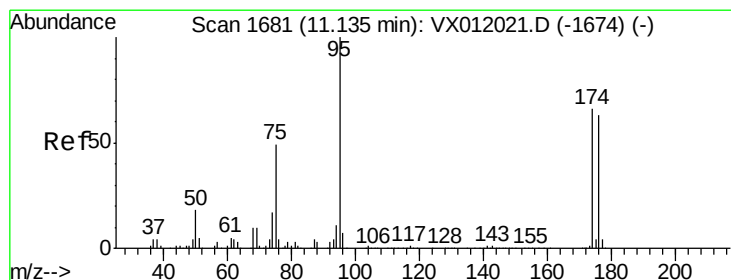
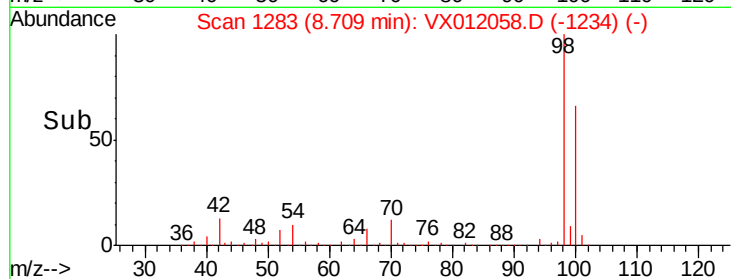
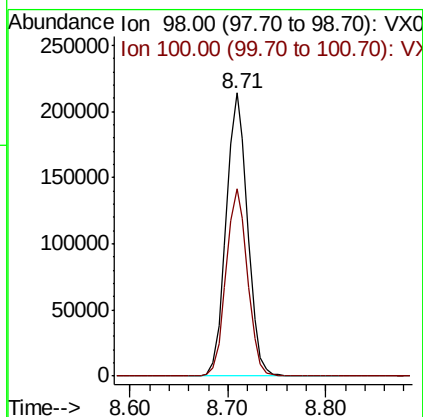
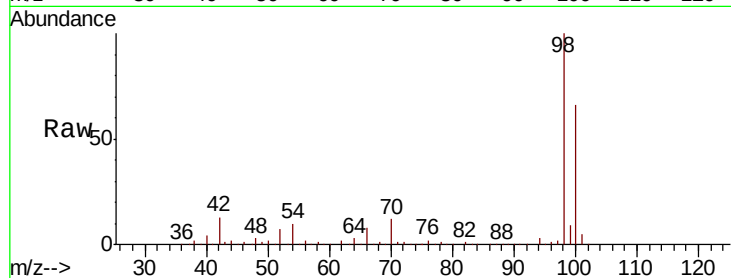




#50
Toluene-d8
Concen: 52.256 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012058.D
Acq: 04 Sep 2019 18:07

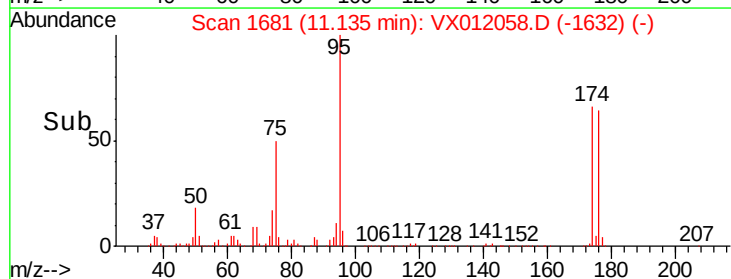
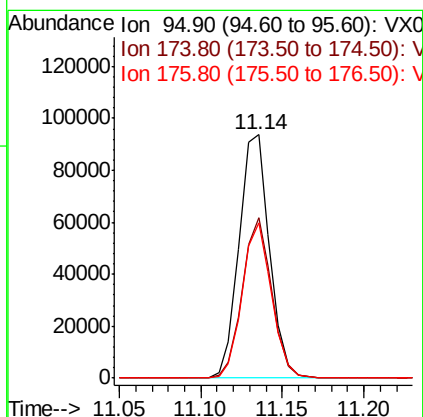
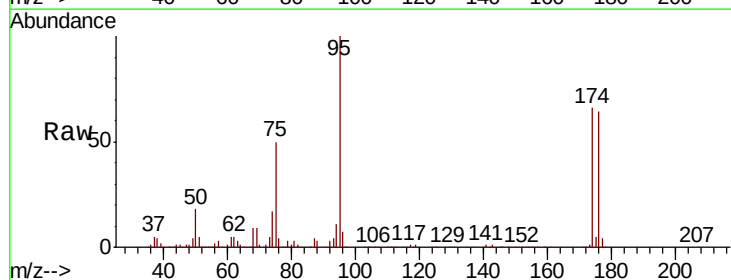
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C2-(2.5)

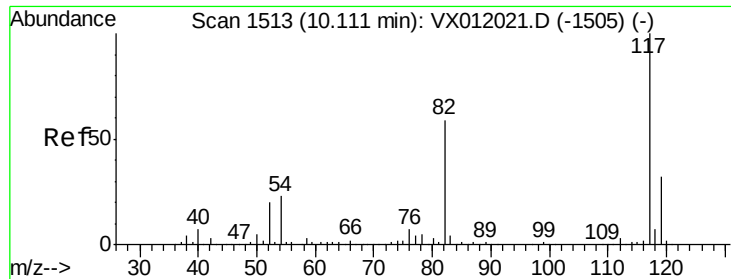
Tgt Ion: 98 Resp: 324900
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 42.330 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012058.D
Acq: 04 Sep 2019 18:07

Tgt Ion: 95 Resp: 122396
Ion Ratio Lower Upper
95 100
174 63.3 0.0 205.4
176 61.6 0.0 201.8

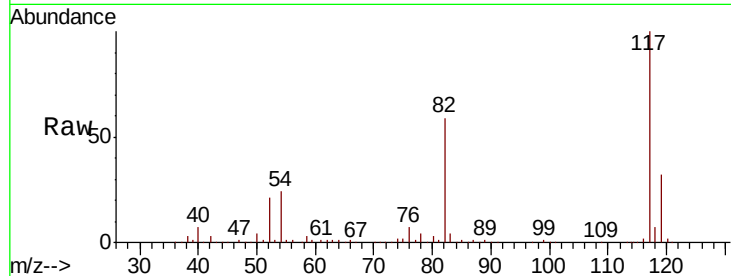




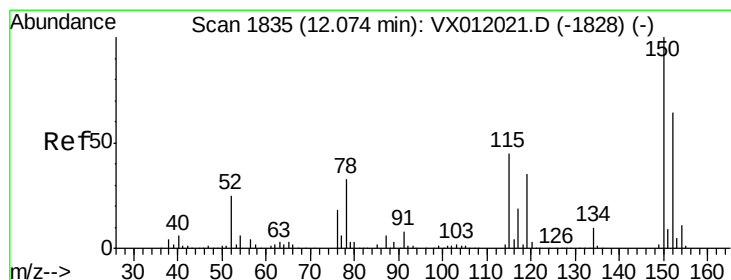
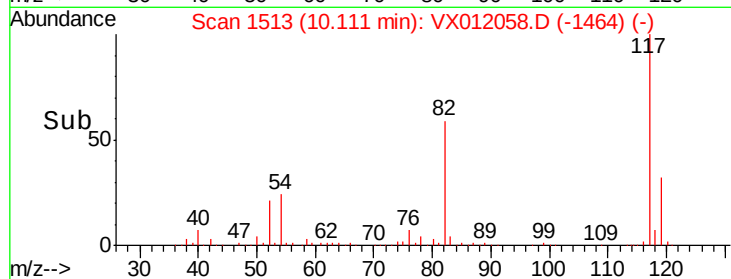
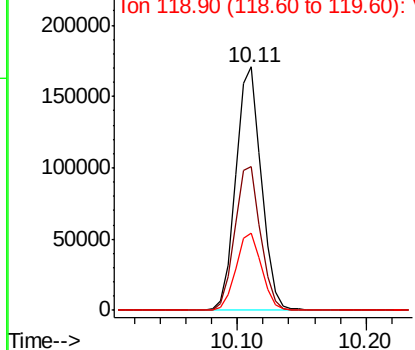
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012058.D
Acq: 04 Sep 2019 18:07

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C2-(2.5)

Tgt Ion:117 Resp: 234902
Ion Ratio Lower Upper
117 100
82 59.3 39.4 59.0#
119 31.7 26.1 39.1

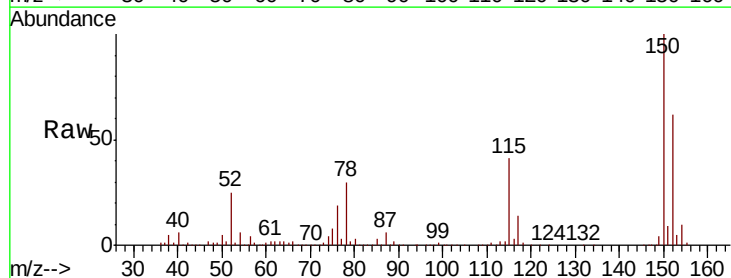


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

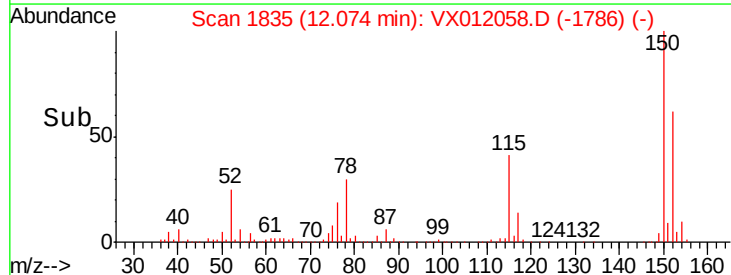
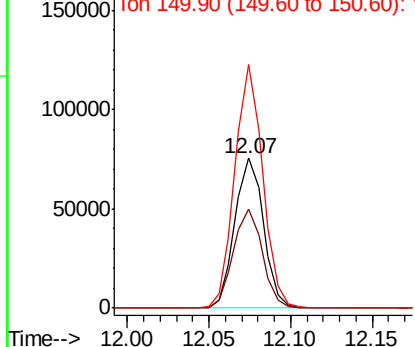


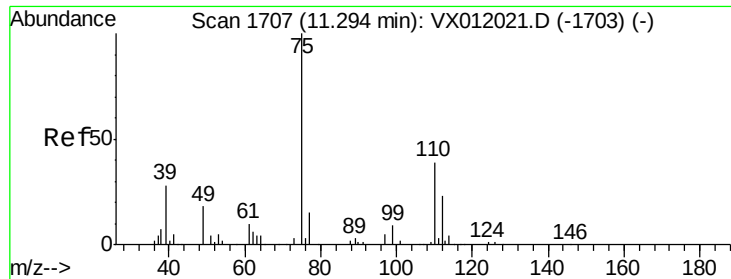
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012058.D
Acq: 04 Sep 2019 18:07

Tgt Ion:152 Resp: 93042
Ion Ratio Lower Upper
152 100
115 66.1 36.4 109.3
150 157.7 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: 55.982 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012058.D

Acq: 04 Sep 2019 18:07

Instrument :

MSVOA_X

ClientSampled :

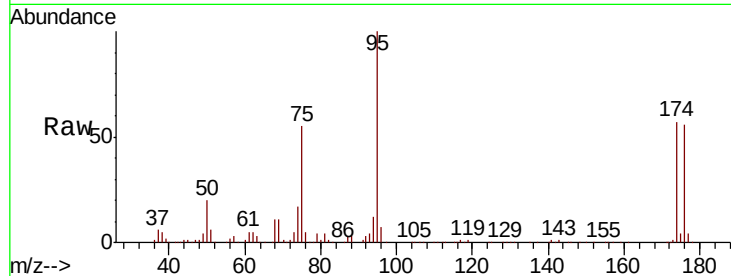
T3-S-C2-(2.5)

Tgt Ion: 75 Resp: 63642

Ion Ratio Lower Upper

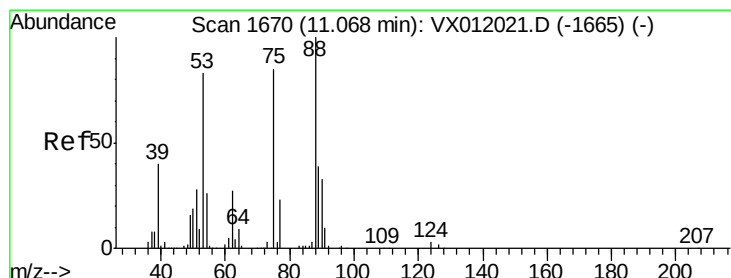
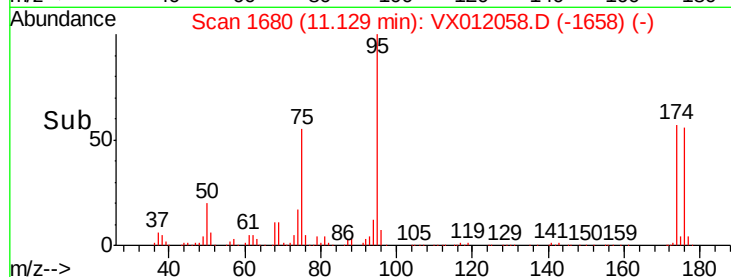
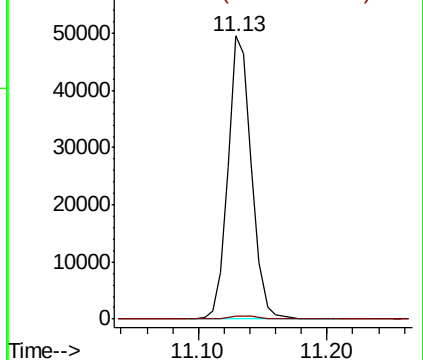
75 100

77 1.3 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: 132.350 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012058.D

Acq: 04 Sep 2019 18:07

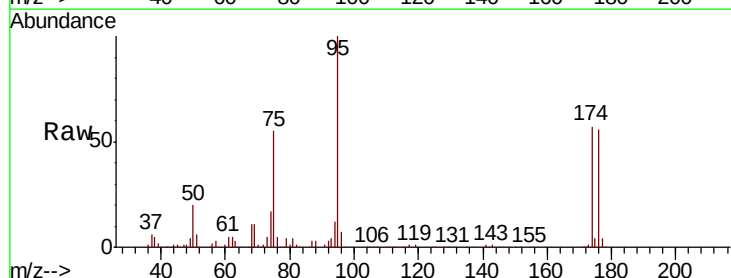
Tgt Ion: 75 Resp: 63642

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 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

