

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012157.D
 Acq On : 06 Sep 2019 19:24
 Operator : SY/SP
 Sample : K4601-14
 Misc : 3.96g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F4-(0)

Quant Time: Sep 07 01:16:39 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	144780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	248100	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	205856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	79016	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	99618	49.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.74%	
35) Dibromofluoromethane	5.48	113	75178	49.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	289662	51.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.14	95	107935	41.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.90%	

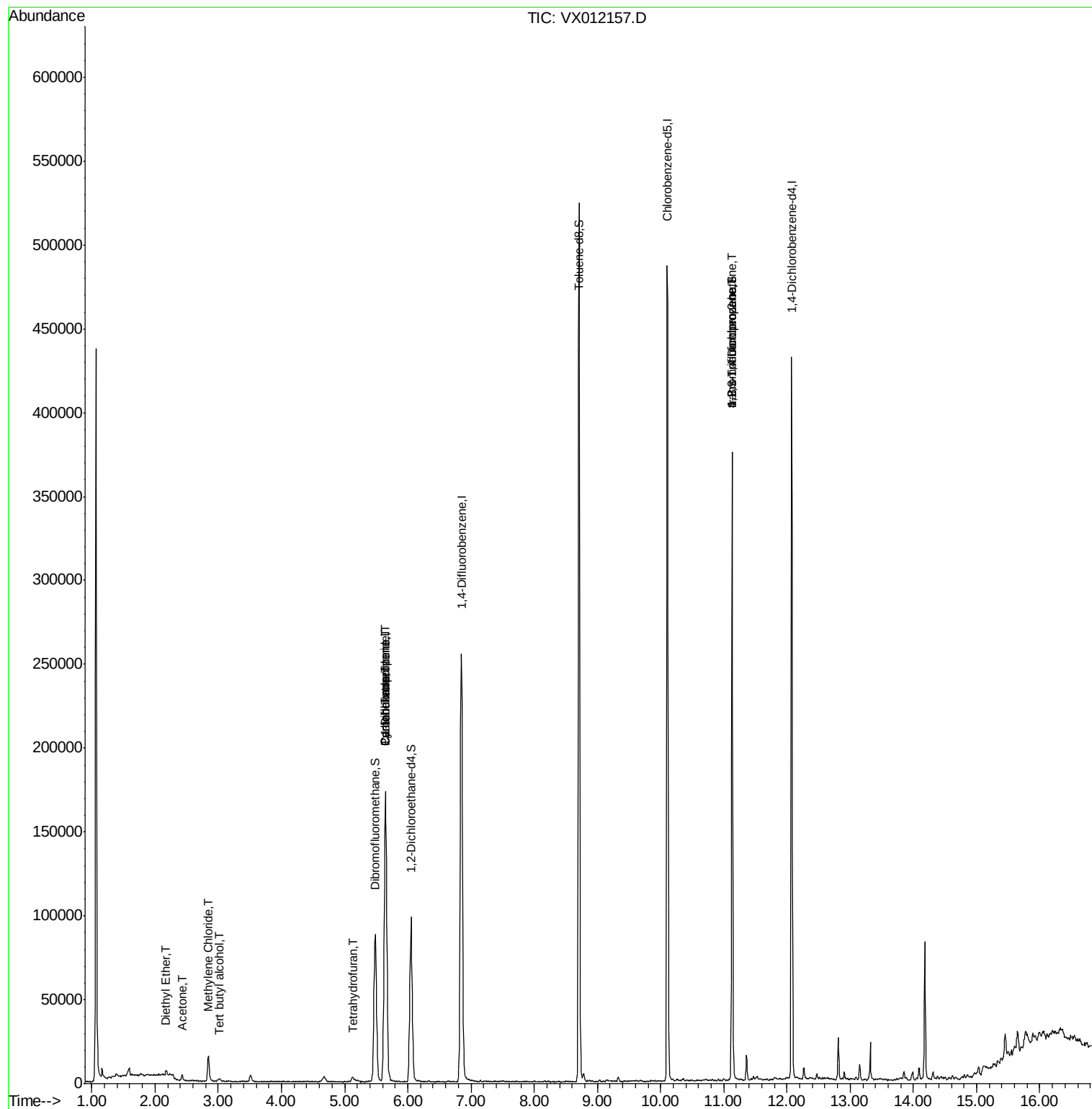
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	940	1.361	ug/l	62
11) Tert butyl alcohol	3.03	59	2112	11.007	ug/l #	92
13) Acrolein	2.30	56	245	Below Cal	#	74
16) Acetone	2.43	43	3235	6.775	ug/l	97
20) Methylene Chloride	2.84	84	6751	3.521	ug/l	88
29) Tetrahydrofuran	5.12	42	2272	6.204	ug/l	93
31) Cyclohexane	5.64	56	4102	1.675	ug/l #	28
36) 1,1-Dichloropropene	5.64	75	13295	6.084	ug/l #	48
38) Carbon Tetrachloride	5.65	117	17248	7.491	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	57162	59.207	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	57162	139.975	ug/l #	10

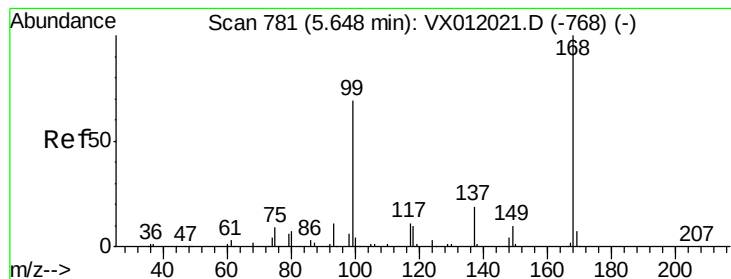
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012157.D

Acq: 06 Sep 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

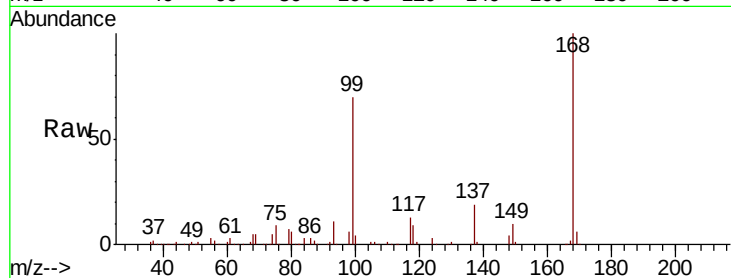
T12-F4-(0)

Tgt Ion:168 Resp: 144780

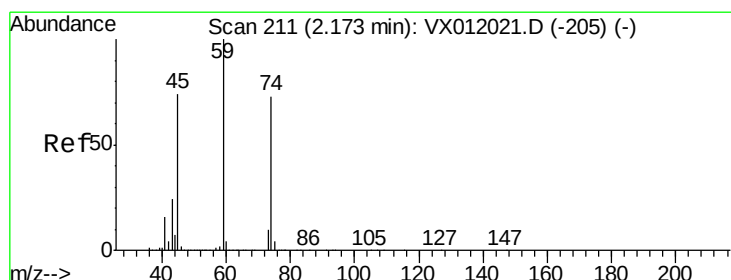
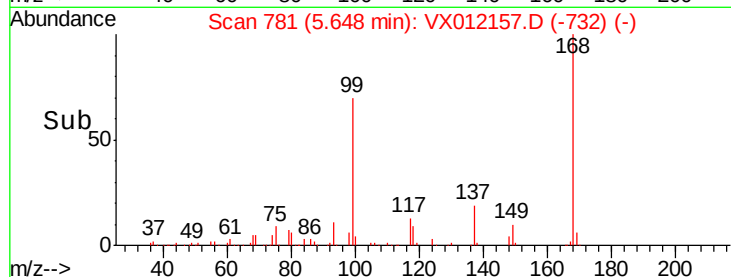
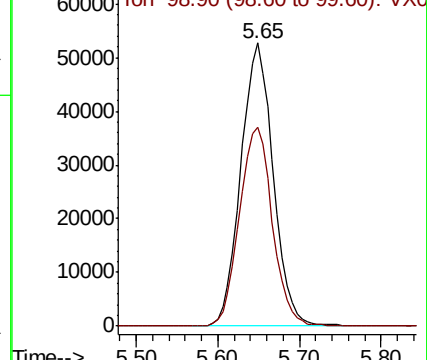
Ion Ratio Lower Upper

168 100

99 70.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX012021.D (-768) (-)



#8

Diethyl Ether

Concen: 1.361 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012157.D

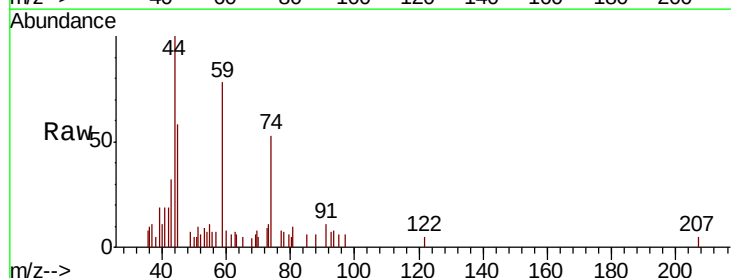
Acq: 06 Sep 2019 19:24

Tgt Ion: 74 Resp: 940

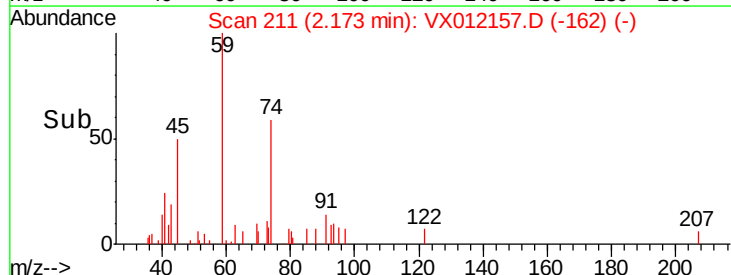
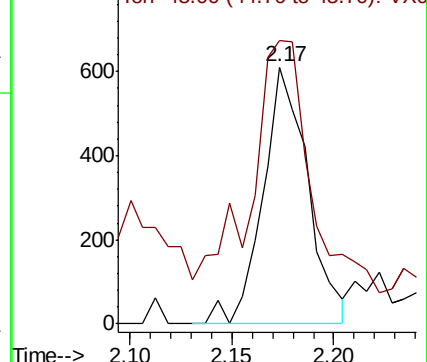
Ion Ratio Lower Upper

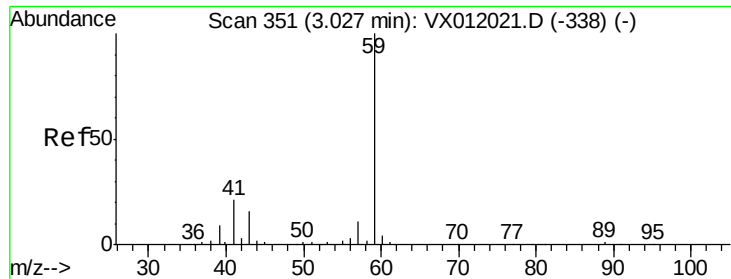
74 100

45 127.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX012021.D (-205) (-)

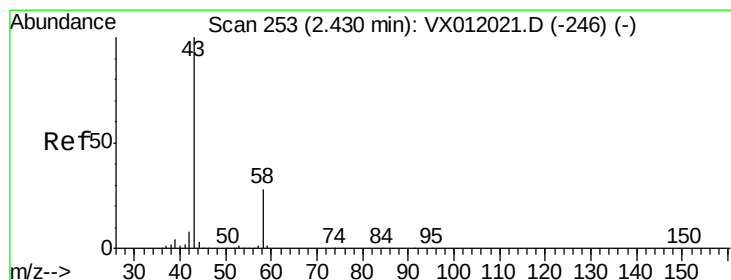
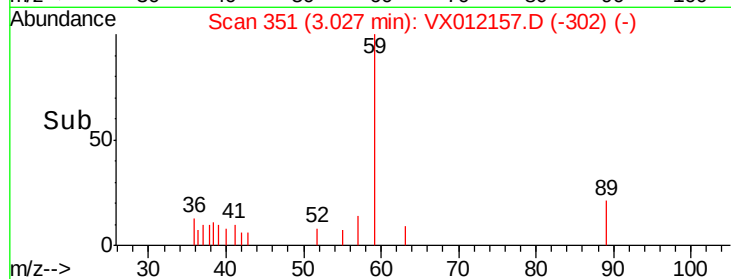
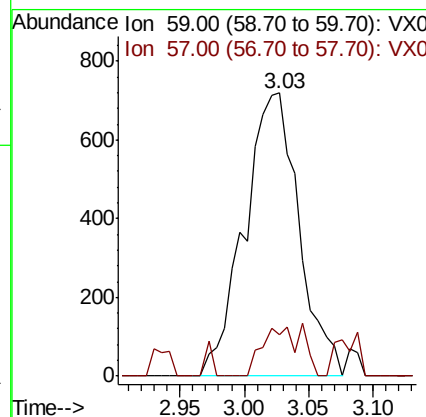
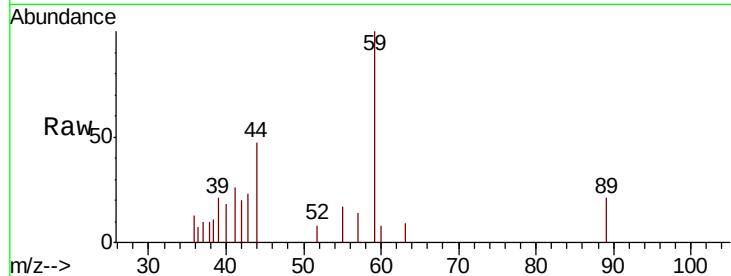




#11
Tert butyl alcohol
Concen: 11.007 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012157.D
Acq: 06 Sep 2019 19:24

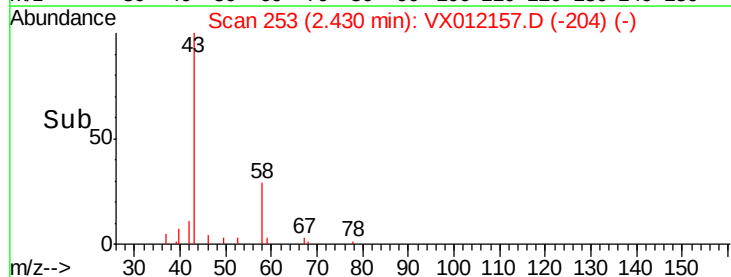
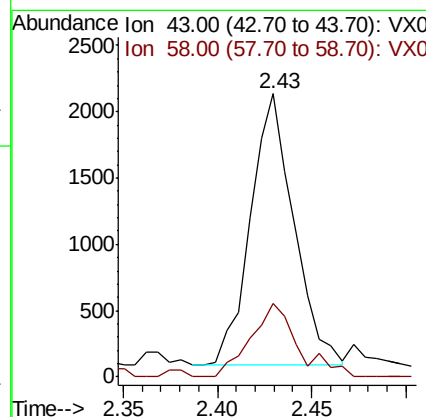
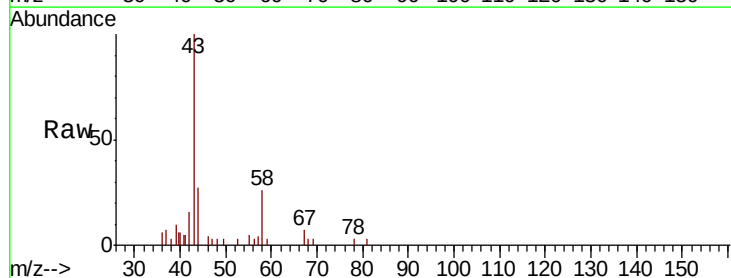
Instrument :
MSVOA_X
ClientSampleId :
T12-F4-(0)

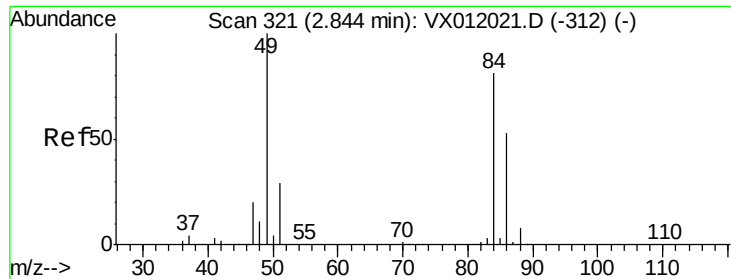
Tgt Ion: 59 Resp: 2112
Ion Ratio Lower Upper
59 100
57 12.8 7.9 11.9#



#16
Acetone
Concen: 6.775 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012157.D
Acq: 06 Sep 2019 19:24

Tgt Ion: 43 Resp: 3235
Ion Ratio Lower Upper
43 100
58 26.9 22.8 34.2

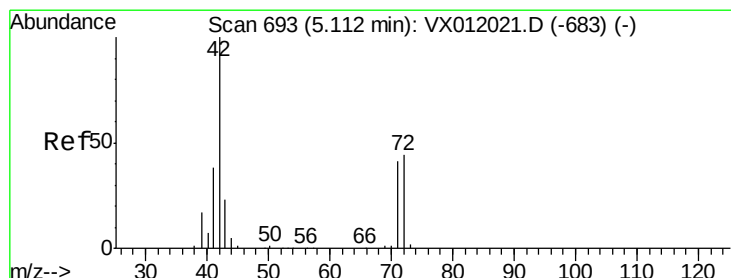
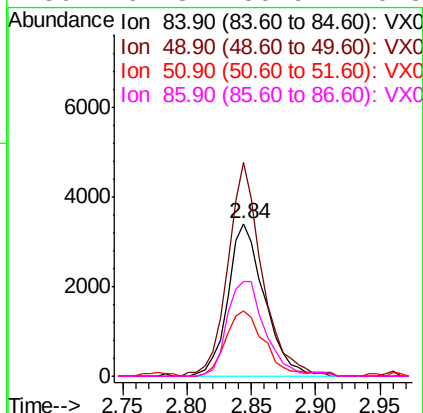
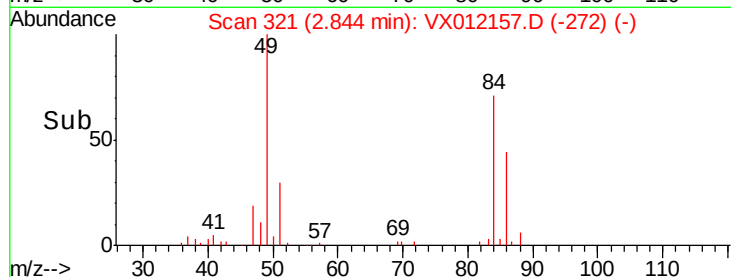
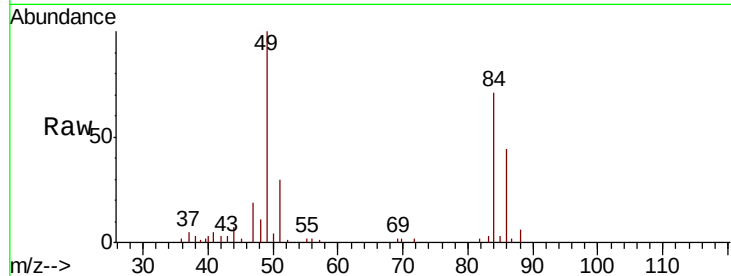




#20
Methylene Chloride
Concen: 3.521 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012157.D
Acq: 06 Sep 2019 19:24

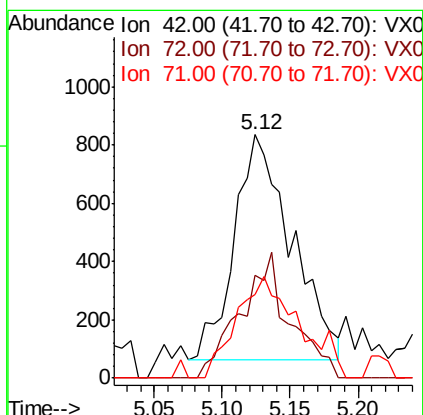
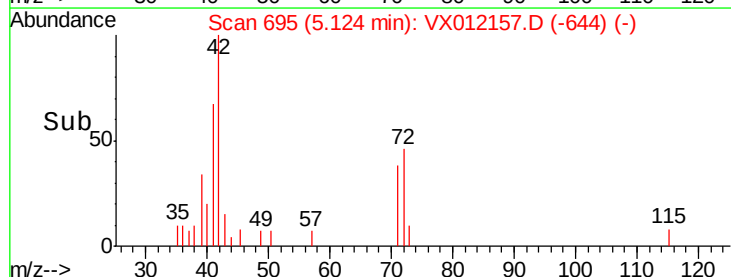
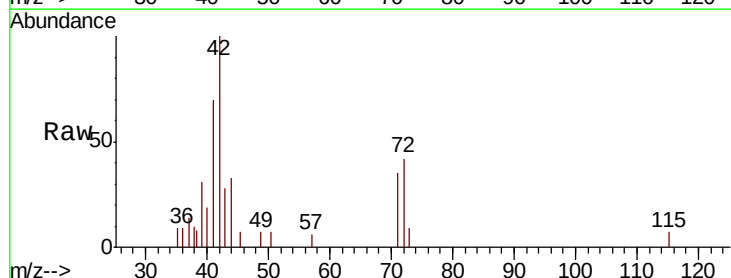
Instrument :
MSVOA_X
ClientSampleId :
T12-F4-(0)

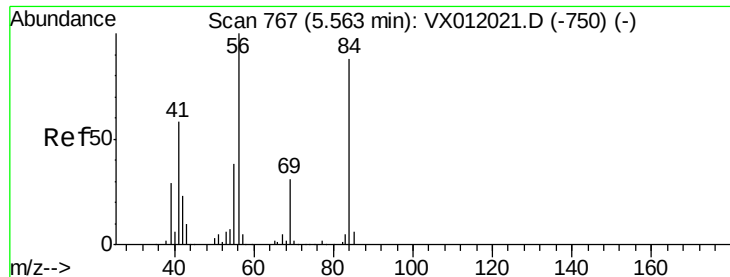
Tgt Ion:	84	Resp:	6751
Ion	Ratio	Lower	Upper
84	100		
49	140.2	95.8	143.8
51	42.5	28.6	43.0
86	62.3	50.9	76.3



#29
Tetrahydrofuran
Concen: 6.204 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012157.D
Acq: 06 Sep 2019 19:24

Tgt Ion:	42	Resp:	2272
Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.0	55.4
71	49.3	33.8	50.8





#31

Cyclohexane

Concen: 1.675 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012157.D

Acq: 06 Sep 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

T12-F4-(0)

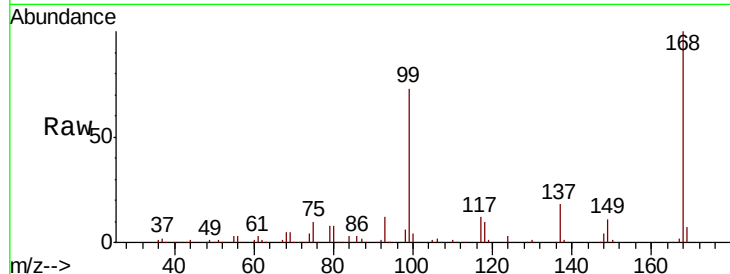
Tgt Ion: 56 Resp: 4102

Ion Ratio Lower Upper

56 100

69 176.6 25.7 38.5#

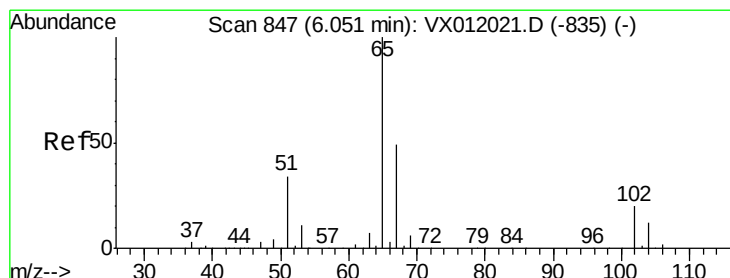
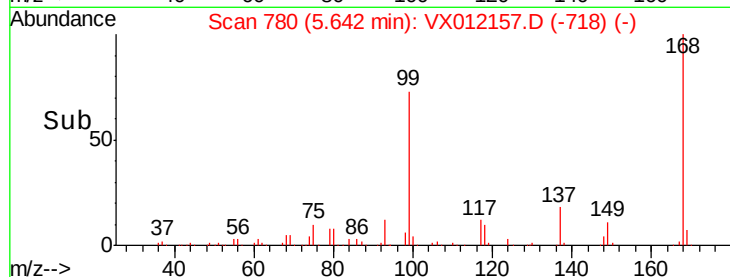
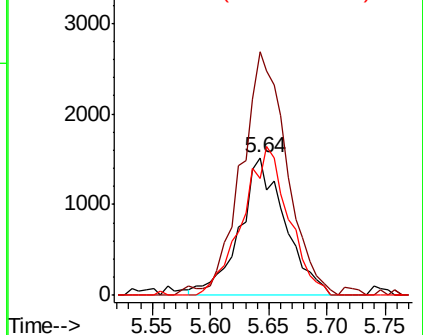
84 84.8 70.3 105.5



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: 49.867 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012157.D

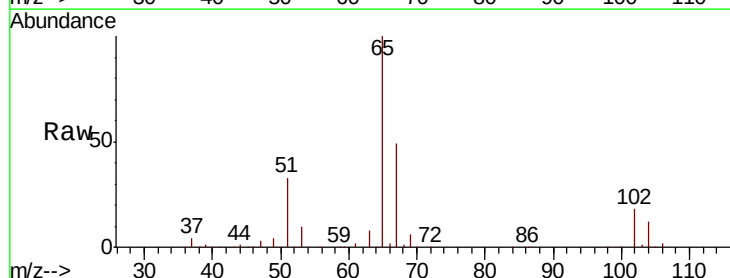
Acq: 06 Sep 2019 19:24

Tgt Ion: 65 Resp: 99618

Ion Ratio Lower Upper

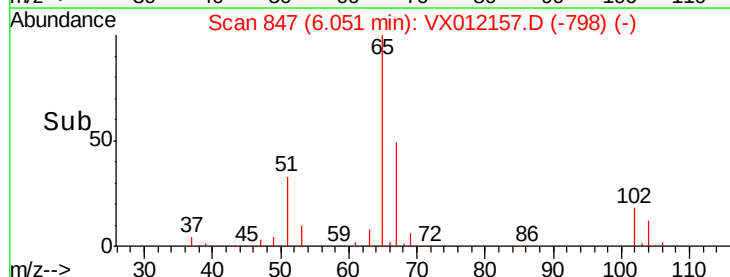
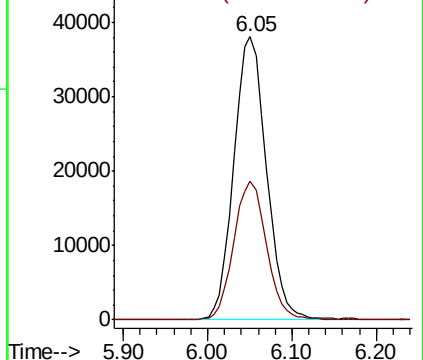
65 100

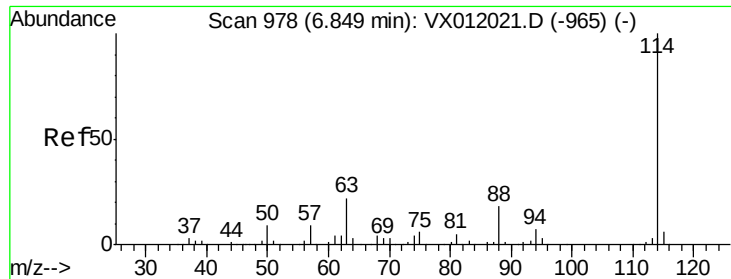
67 49.2 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

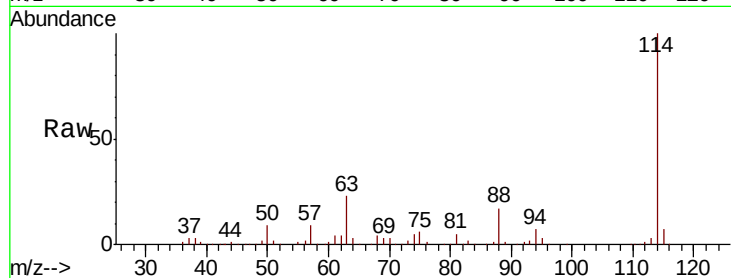




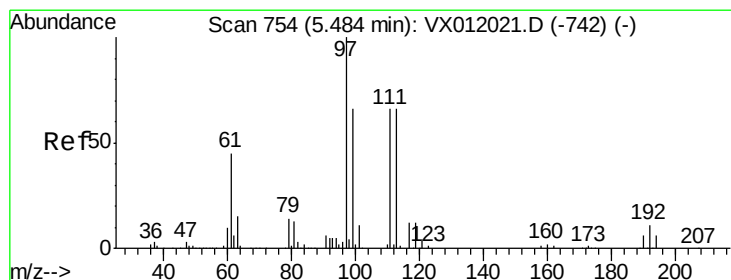
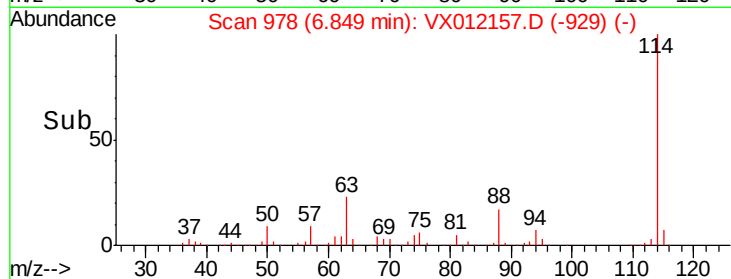
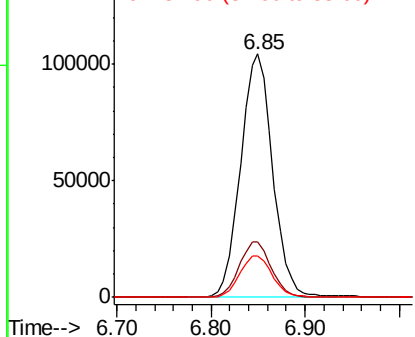
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012157.D
 Acq: 06 Sep 2019 19:24

Instrument :
 MSVOA_X
 ClientSampled :
 T12-F4-(0)

Tgt Ion:114 Resp: 248100
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 37.4
 88 16.9 0.0 29.6

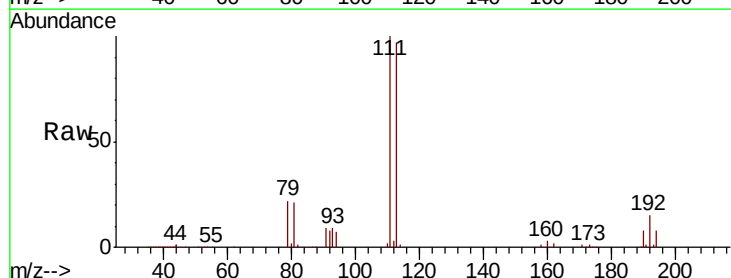


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

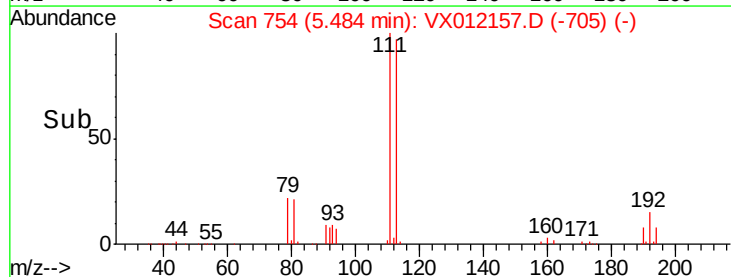
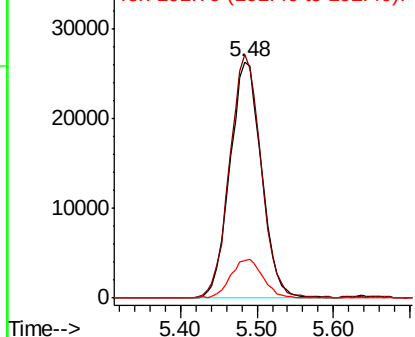


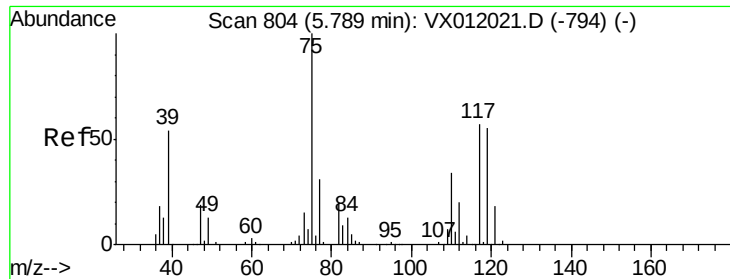
#35
 Dibromofluoromethane
 Concen: 49.273 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012157.D
 Acq: 06 Sep 2019 19:24

Tgt Ion:113 Resp: 75178
 Ion Ratio Lower Upper
 113 100
 111 102.3 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

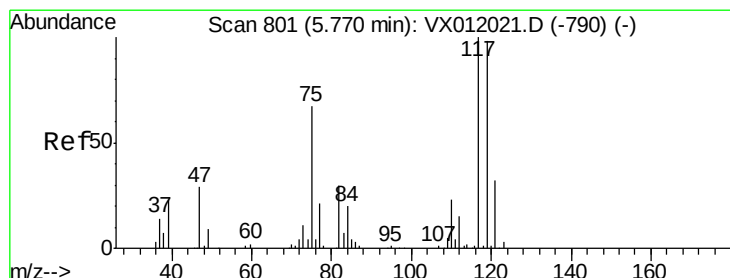
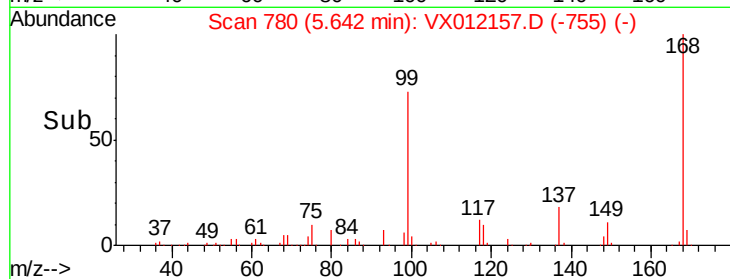
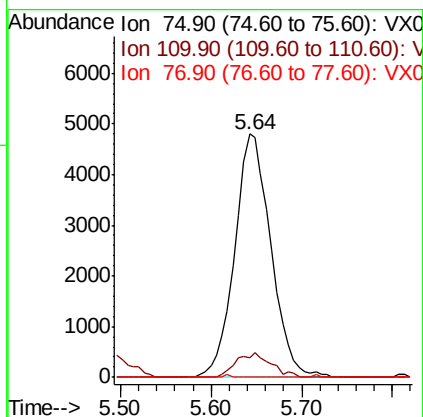
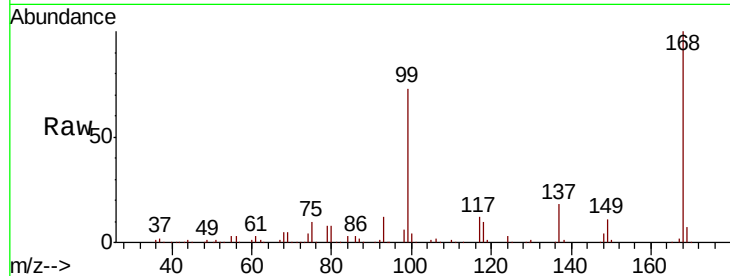




#36
 1,1-Dichloropropene
 Concen: 6.084 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012157.D
 Acq: 06 Sep 2019 19:24

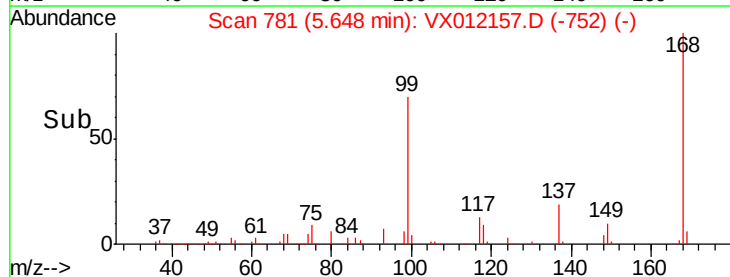
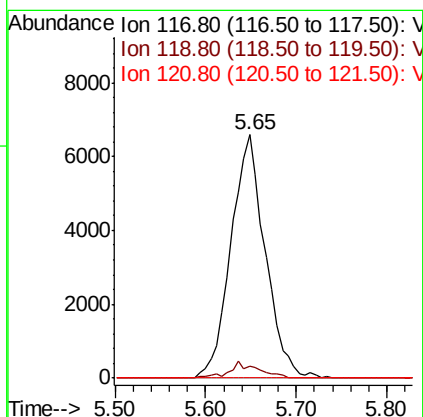
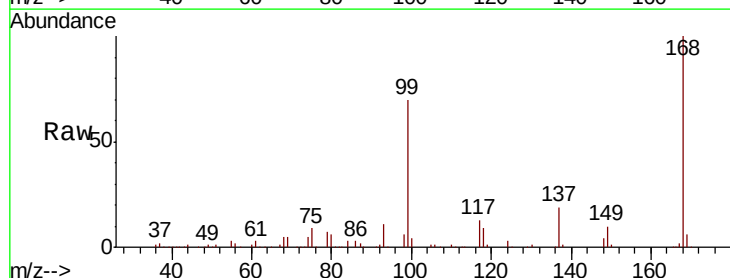
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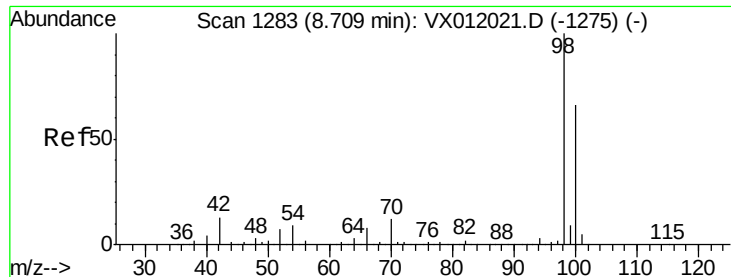
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.491 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012157.D
 Acq: 06 Sep 2019 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.3	117.5#
121	0.0	24.2	36.2#

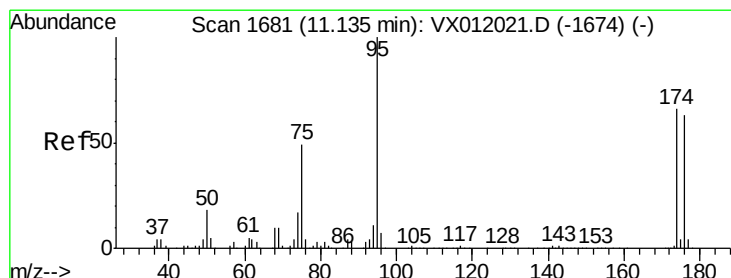
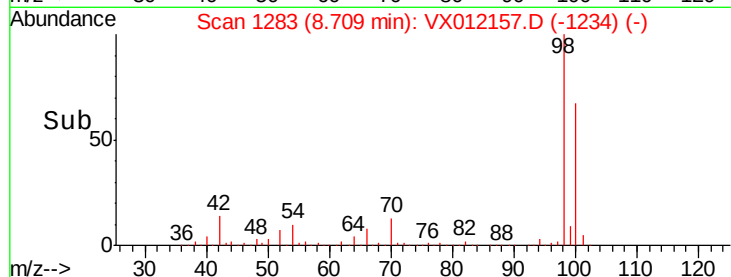
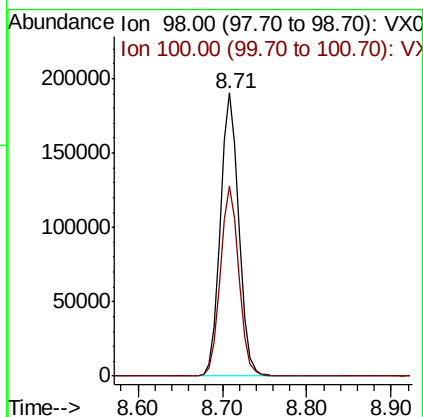
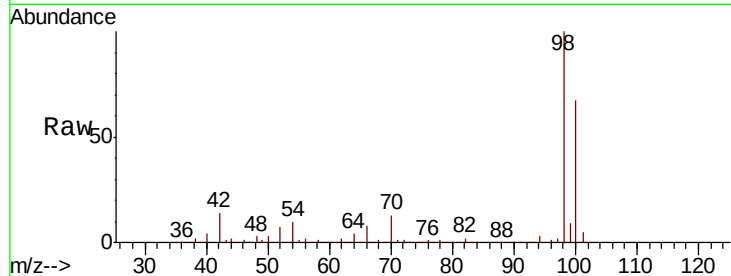




#50
Toluene-d8
Concen: 51.737 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012157.D
Acq: 06 Sep 2019 19:24

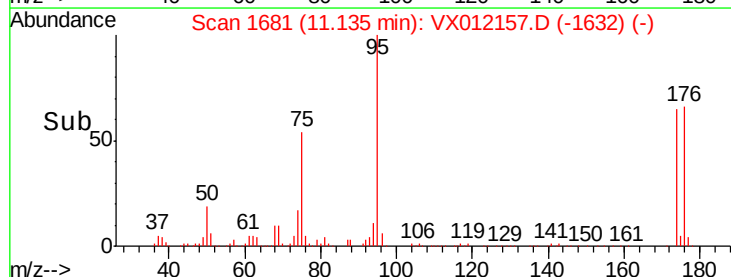
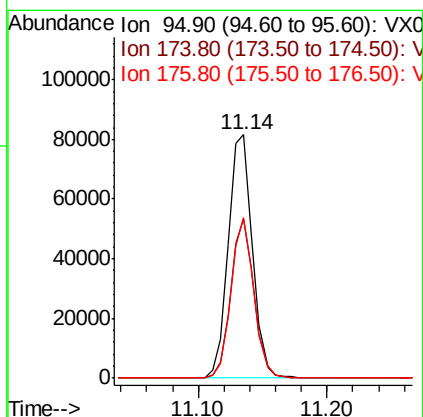
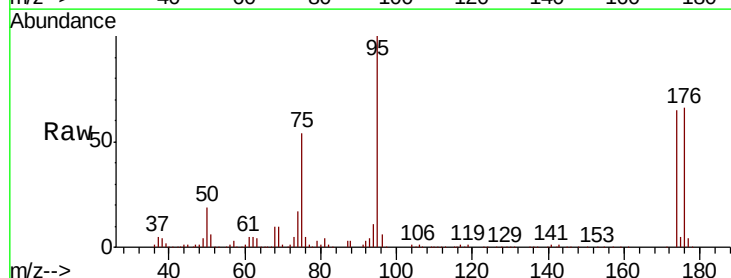
Instrument :
MSVOA_X
ClientSampleId :
T12-F4-(0)

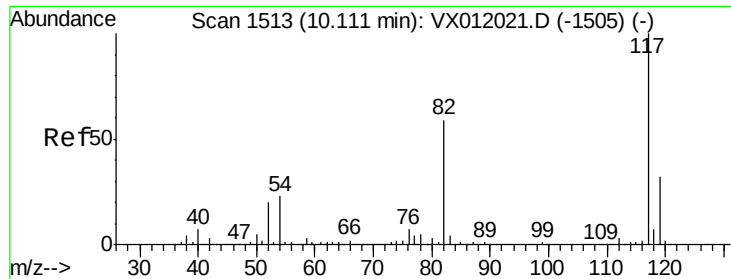
Tgt Ion: 98 Resp: 289662
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 41.453 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012157.D
Acq: 06 Sep 2019 19:24

Tgt Ion: 95 Resp: 107935
Ion Ratio Lower Upper
95 100
174 62.2 0.0 205.4
176 61.5 0.0 201.8

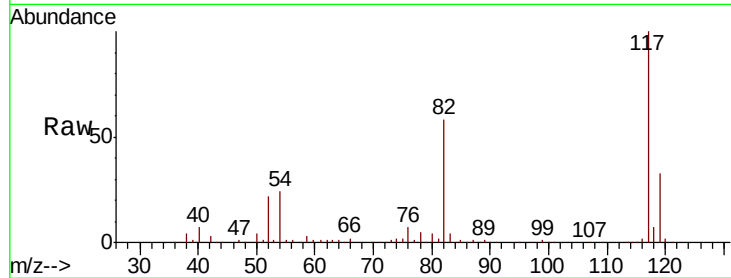




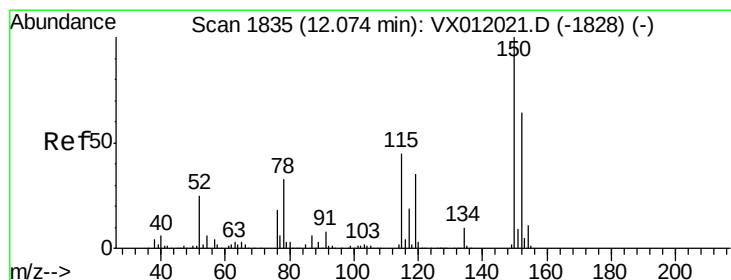
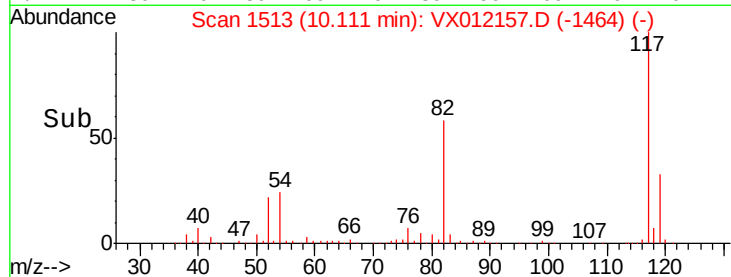
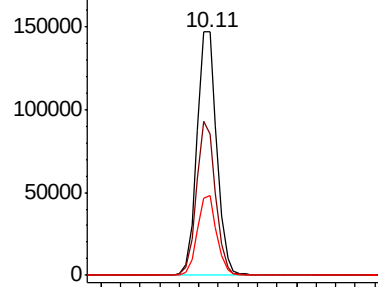
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012157.D
Acq: 06 Sep 2019 19:24

Instrument :
MSVOA_X
ClientSampleId :
T12-F4-(0)

Tgt Ion:117 Resp: 205856
Ion Ratio Lower Upper
117 100
82 58.2 39.4 59.0
119 32.8 26.1 39.1

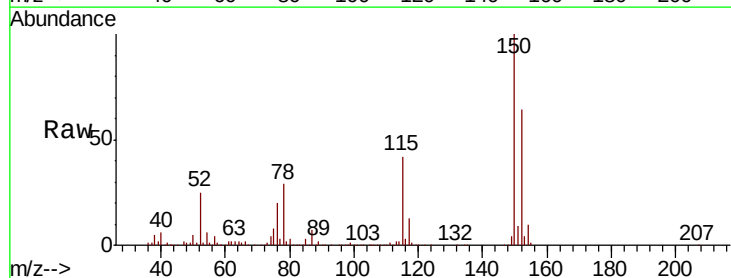


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

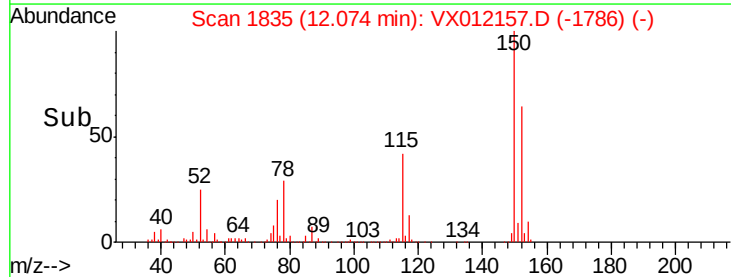
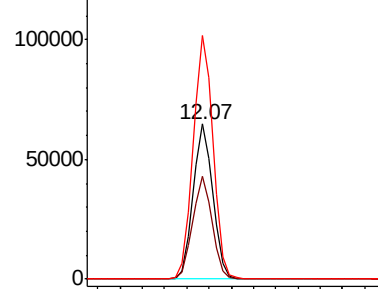


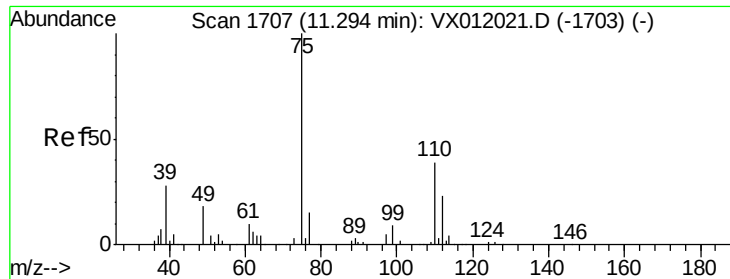
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012157.D
Acq: 06 Sep 2019 19:24

Tgt Ion:152 Resp: 79016
Ion Ratio Lower Upper
152 100
115 65.7 36.4 109.3
150 159.0 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

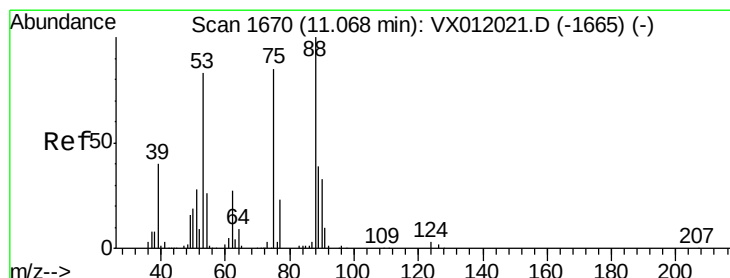
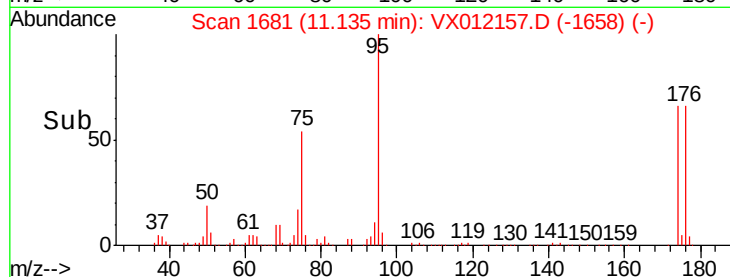
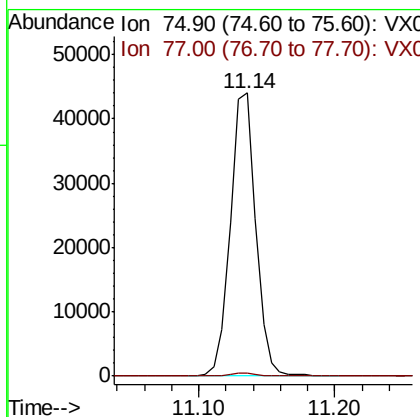
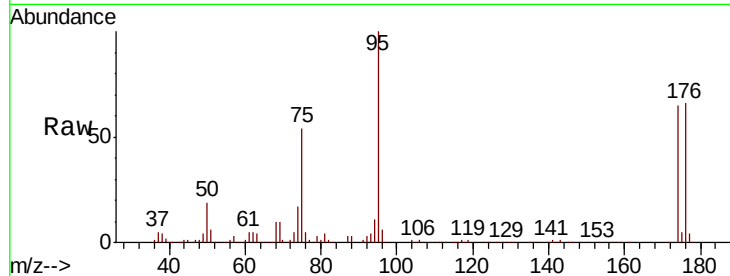




#76
 1,2,3-Trichloropropane
 Concen: 59.207 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012157.D
 Acq: 06 Sep 2019 19:24

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F4-(0)

Tgt Ion: 75 Resp: 57162
 Ion Ratio Lower Upper
 75 100
 77 1.6 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.975 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012157.D
 Acq: 06 Sep 2019 19:24

Tgt Ion: 75 Resp: 57162
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#

