

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012161.D
 Acq On : 06 Sep 2019 21:16
 Operator : SY/SP
 Sample : K4601-18
 Misc : 3.23g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F4-(2.7)

Quant Time: Sep 07 01:17:17 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	148862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	260524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82830	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	103644	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	5.48	113	77173	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	8.71	98	306365	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.13	95	113104	41.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.74%	

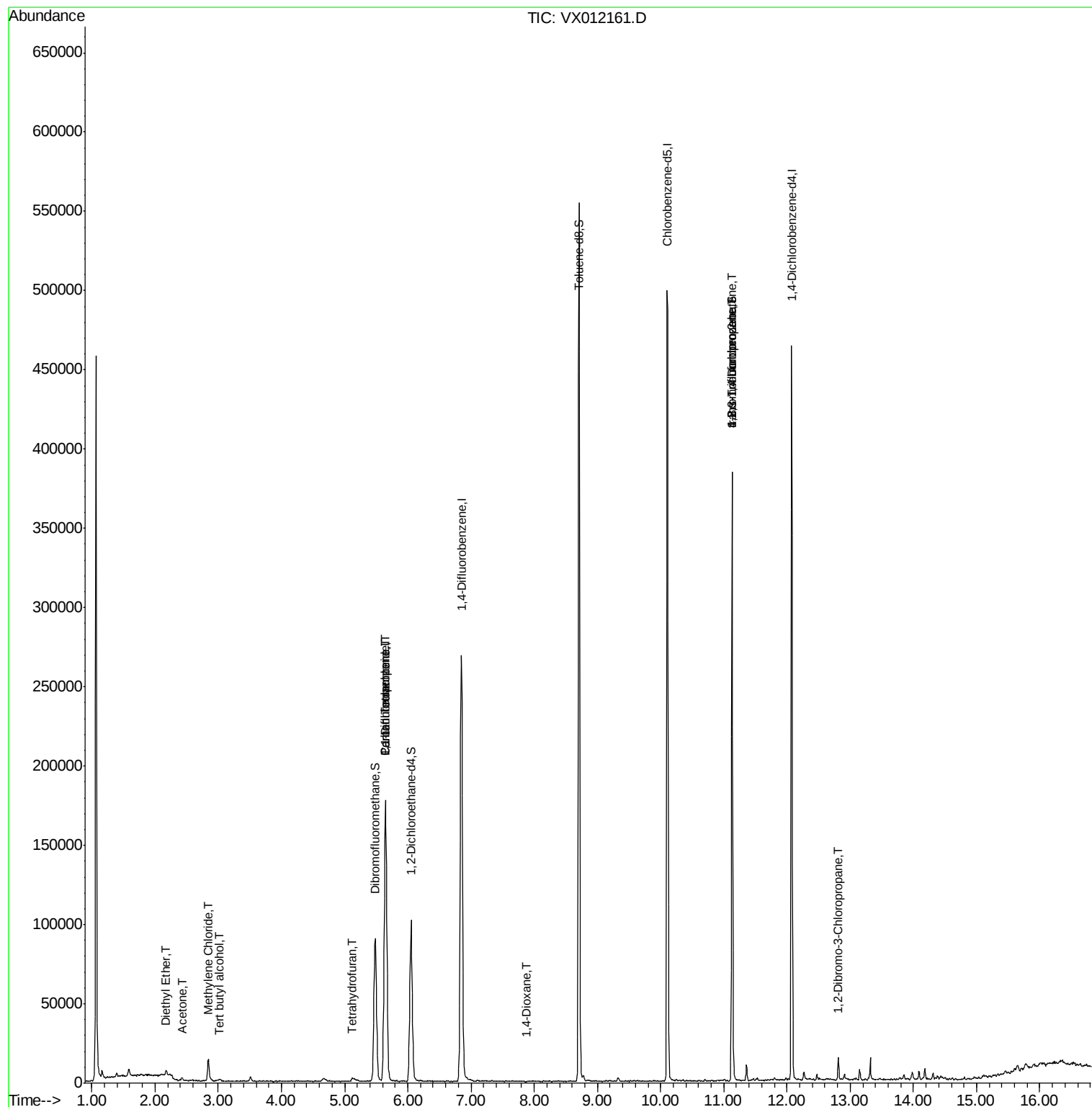
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	930	1.310	ug/l	91
11) Tert butyl alcohol	3.02	59	1547	7.841	ug/l	98
13) Acrolein	2.26	56	223	Below Cal	#	32
16) Acetone	2.43	43	1248	2.542	ug/l	100
20) Methylene Chloride	2.84	84	6168	3.129	ug/l #	89
29) Tetrahydrofuran	5.12	42	2201	5.846	ug/l	94
36) 1,1-Dichloropropene	5.65	75	13993	6.098	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17659	7.304	ug/l #	14
49) 1,4-Dioxane	7.87	88	22	1.265	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	60631	59.909	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	60631	141.634	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	570	2.150	ug/l #	1

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

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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: VX012161.D

Acq: 06 Sep 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

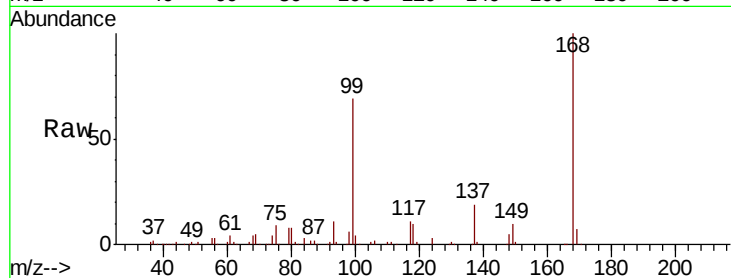
T12-F4-(2.7)

Tgt Ion:168 Resp: 148862

Ion Ratio Lower Upper

168 100

99 69.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX012161.D (-768) (-)

Ion 98.90 (98.60 to 99.60): VX012161.D (-768) (-)

5.65

60000

50000

40000

30000

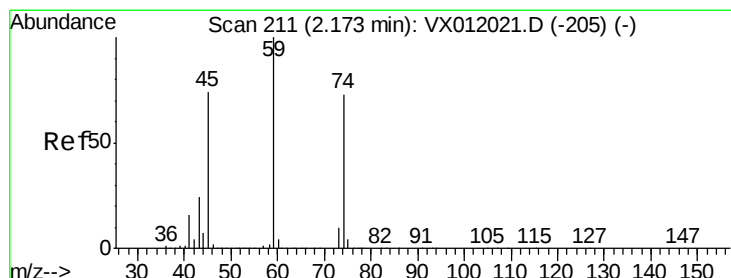
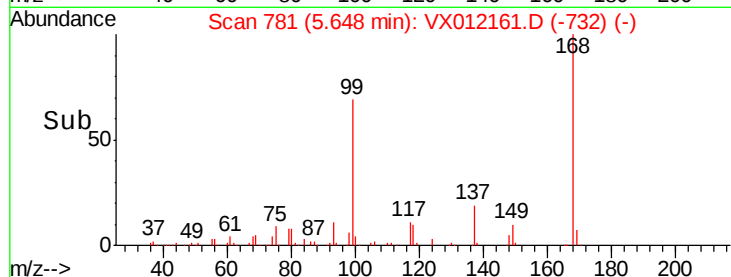
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.310 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012161.D

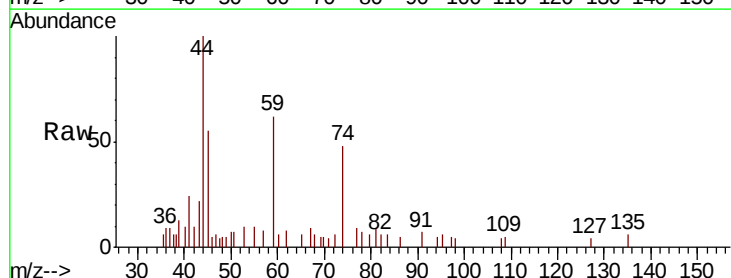
Acq: 06 Sep 2019 21:16

Tgt Ion: 74 Resp: 930

Ion Ratio Lower Upper

74 100

45 100.0 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX012161.D (-162) (-)

Ion 45.00 (44.70 to 45.70): VX012161.D (-162) (-)

2.18

800

600

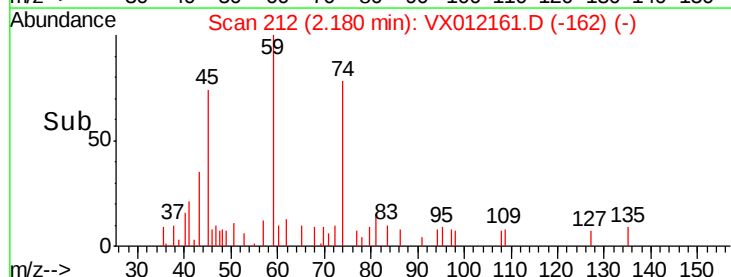
400

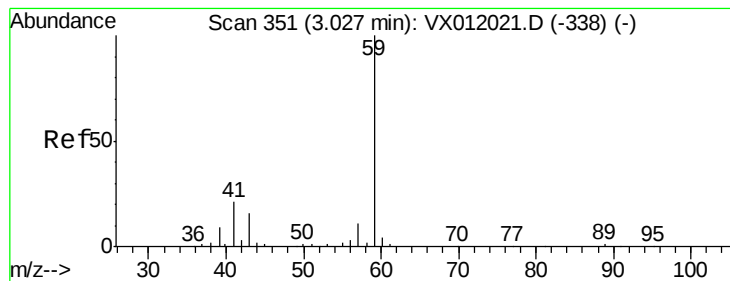
200

0

Time-->

2.15 2.20





#11

Tert butyl alcohol

Concen: 7.841 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012161.D

Acq: 06 Sep 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

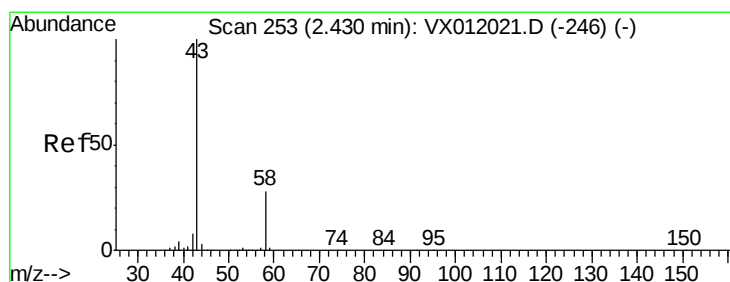
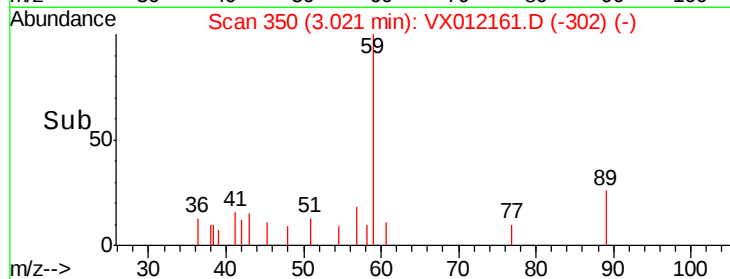
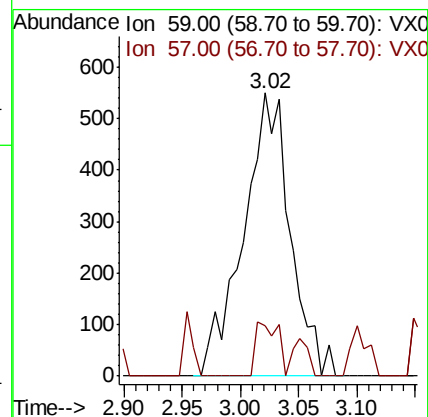
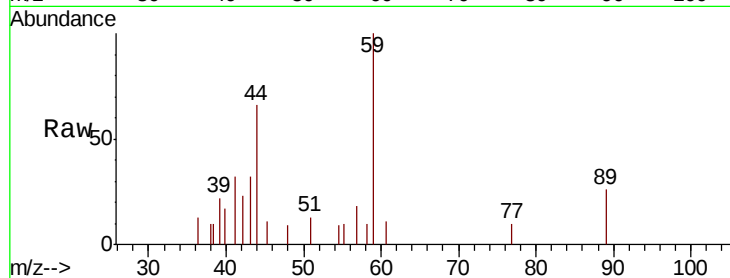
T12-F4-(2.7)

Tgt Ion: 59 Resp: 1547

Ion Ratio Lower Upper

59 100

57 9.0 7.9 11.9



#16

Acetone

Concen: 2.542 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012161.D

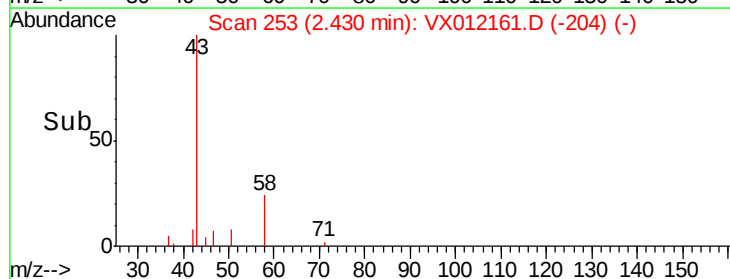
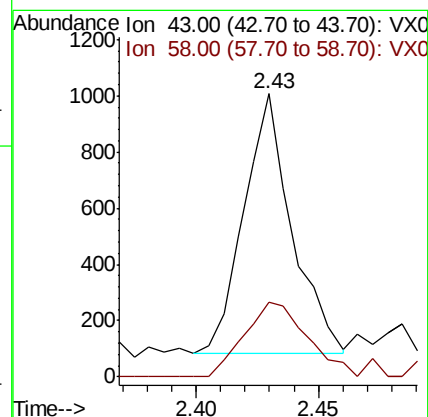
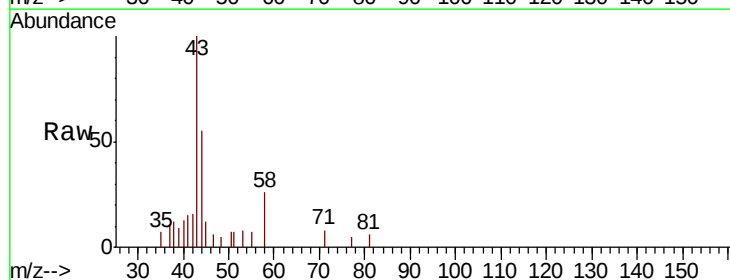
Acq: 06 Sep 2019 21:16

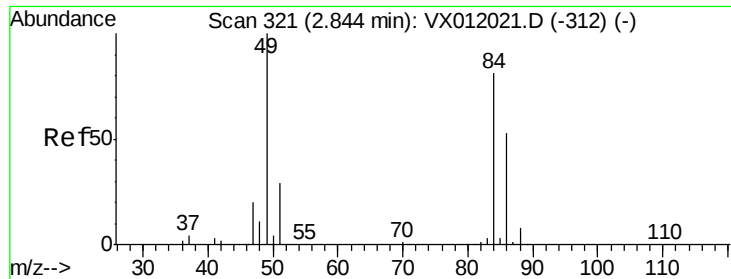
Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

58 28.7 22.8 34.2

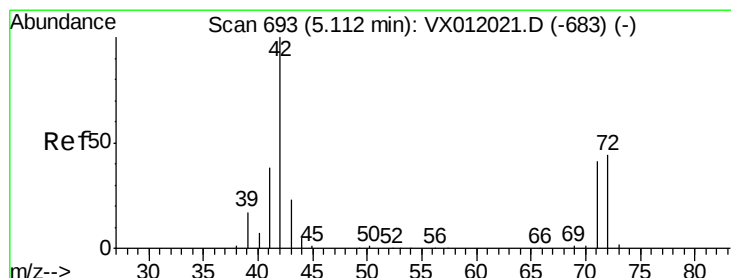
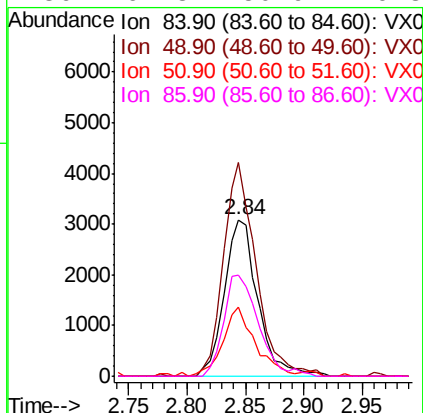
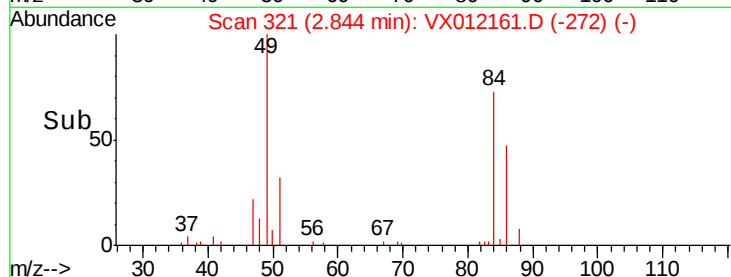
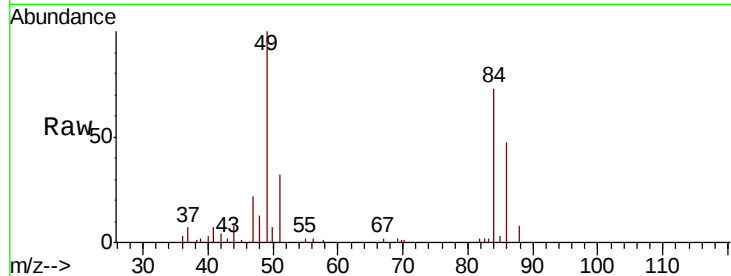




#20
Methylene Chloride
Concen: 3.129 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012161.D
Acq: 06 Sep 2019 21:16

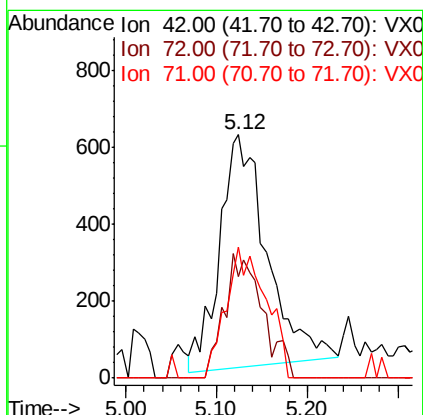
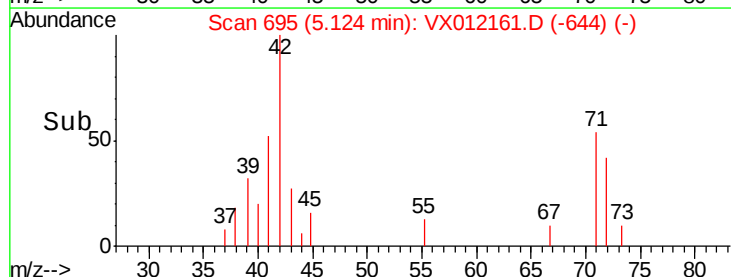
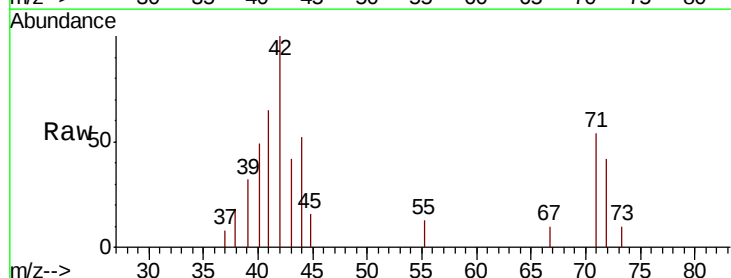
Instrument :
MSVOA_X
ClientSampled :
T12-F4-(2.7)

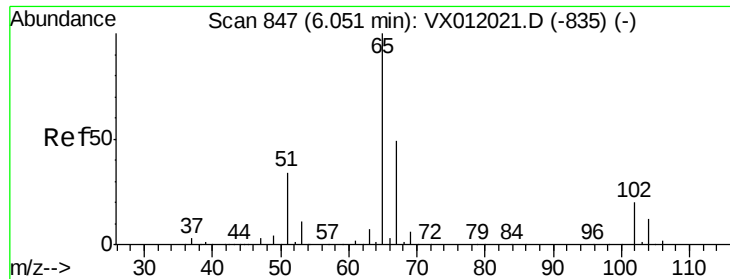
Tgt Ion:	84	Resp:	6168
Ion	Ratio	Lower	Upper
84	100		
49	136.5	95.8	143.8
51	44.3	28.6	43.0#
86	64.8	50.9	76.3



#29
Tetrahydrofuran
Concen: 5.846 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012161.D
Acq: 06 Sep 2019 21:16

Tgt Ion:	42	Resp:	2201
Ion	Ratio	Lower	Upper
42	100		
72	42.9	37.0	55.4
71	47.3	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 50.460 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012161.D

Acq: 06 Sep 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

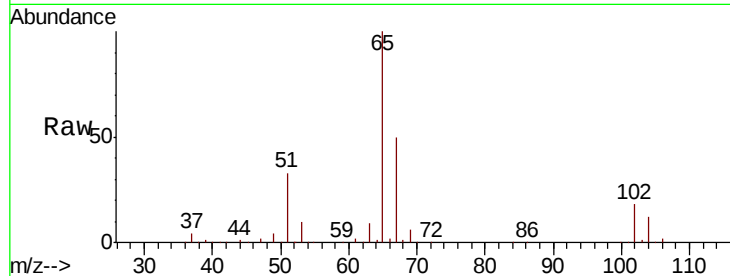
T12-F4-(2.7)

Tgt Ion: 65 Resp: 103644

Ion Ratio Lower Upper

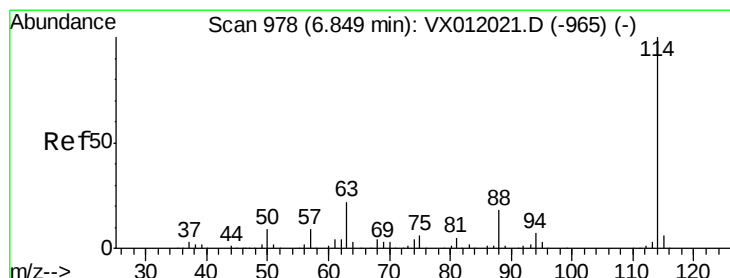
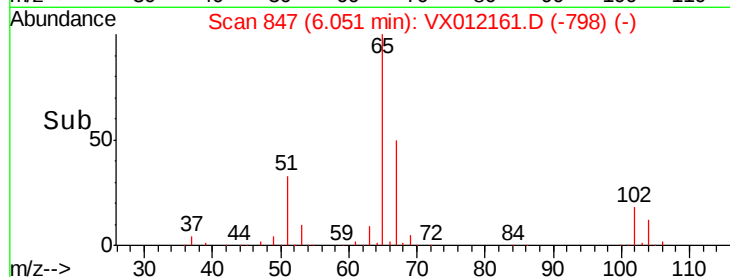
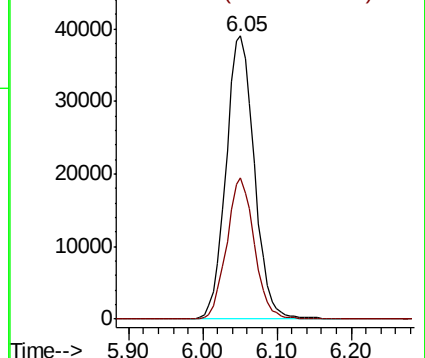
65 100

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: VX012161.D

Acq: 06 Sep 2019 21:16

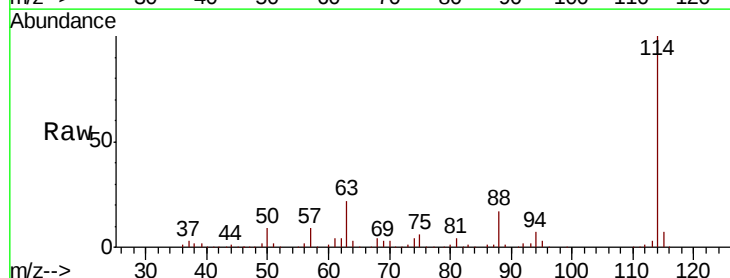
Tgt Ion: 114 Resp: 260524

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.4

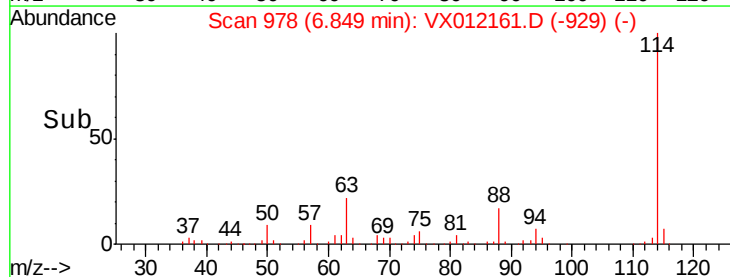
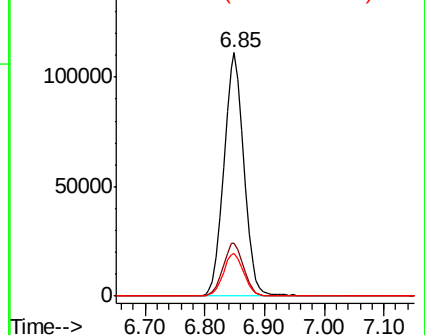
88 17.3 0.0 29.6

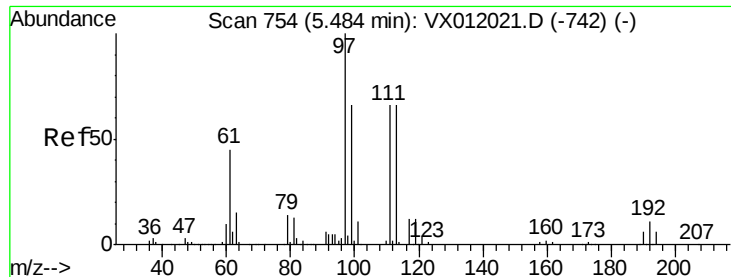


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

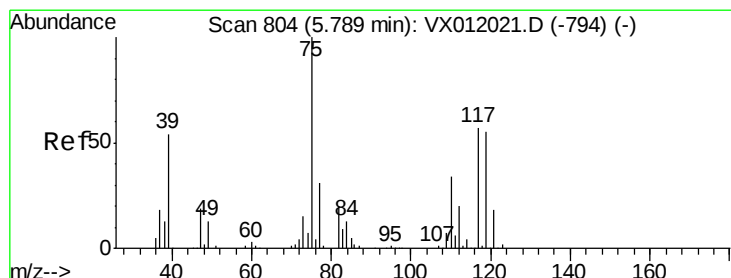
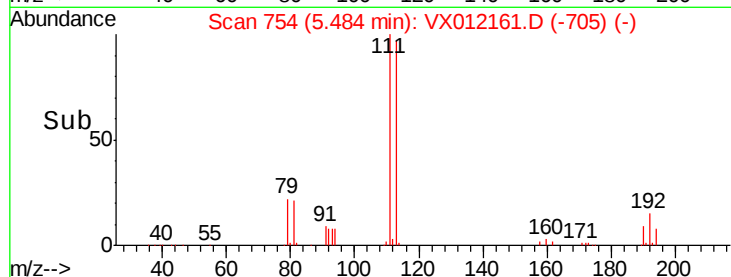
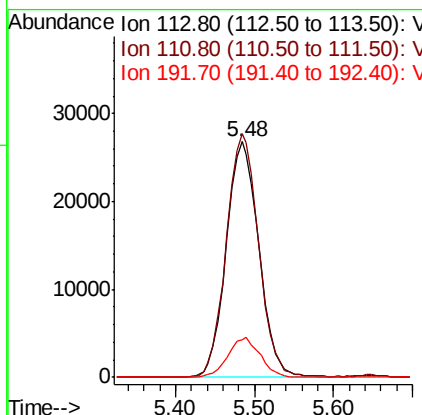
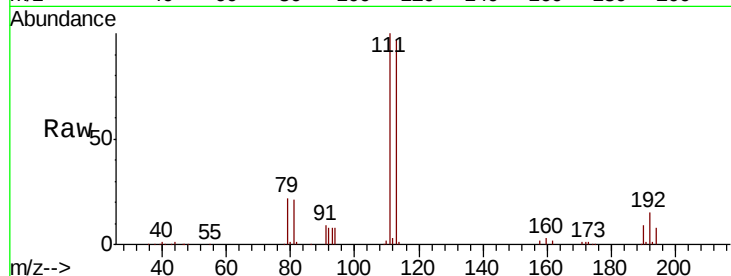




#35
 Dibromofluoromethane
 Concen: 48.168 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012161.D
 Acq: 06 Sep 2019 21:16

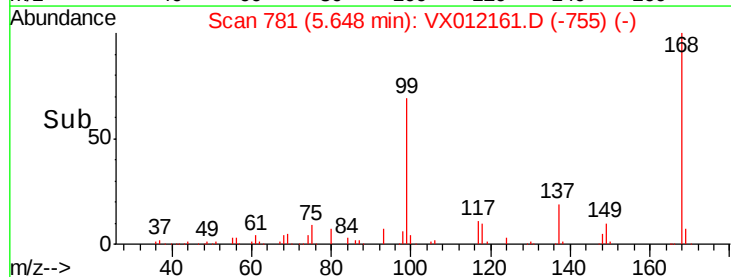
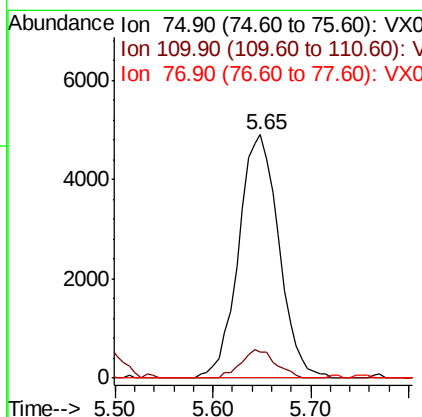
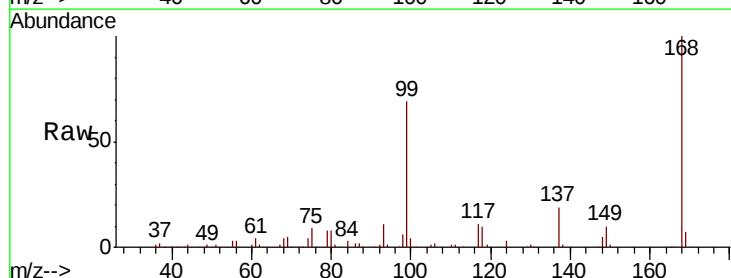
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F4-(2.7)

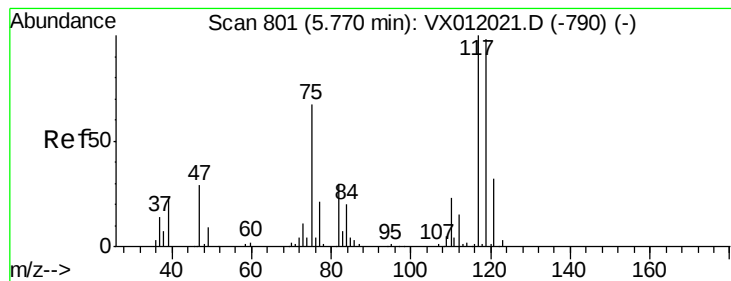
Tgt Ion:113 Resp: 77173
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.7 122.5
 192 16.7 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.098 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012161.D
 Acq: 06 Sep 2019 21:16

Tgt Ion: 75 Resp: 13993
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.5 58.5#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.304 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012161.D

Acq: 06 Sep 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

T12-F4-(2.7)

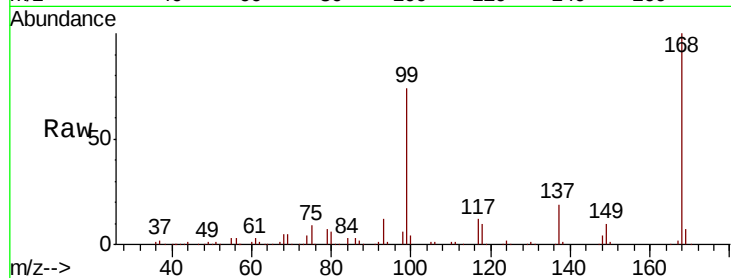
Tgt Ion:117 Resp: 17659

Ion Ratio Lower Upper

117 100

119 3.7 78.3 117.5#

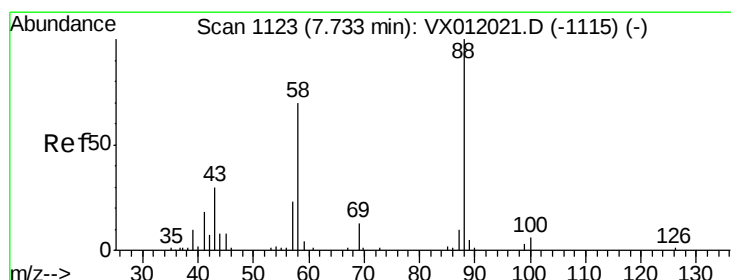
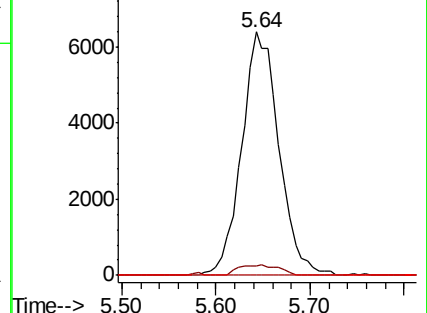
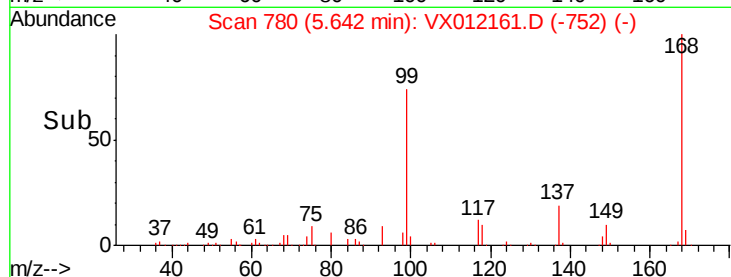
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.265 ug/l

RT: 7.87 min Scan# 1146

Delta R.T. 0.15 min

Lab File: VX012161.D

Acq: 06 Sep 2019 21:16

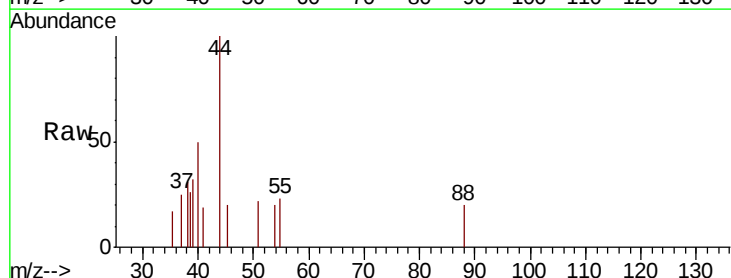
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

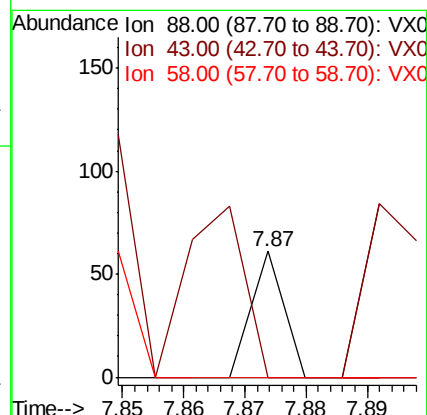
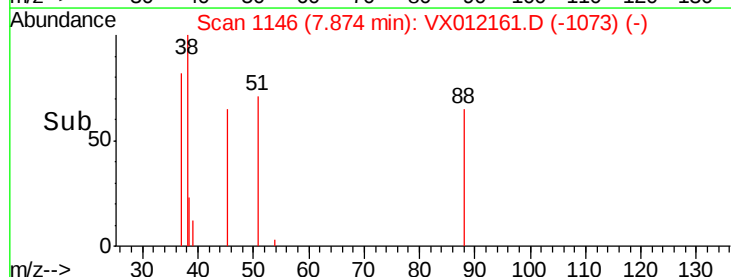
58 0.0 55.4 83.2#

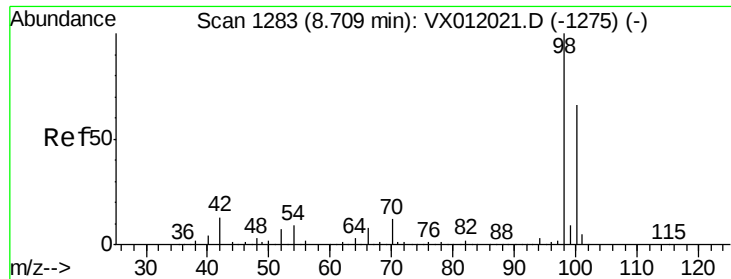


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

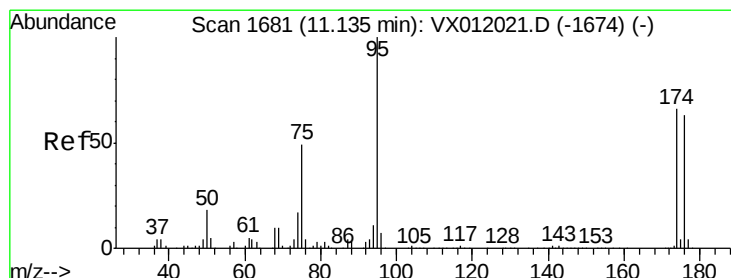
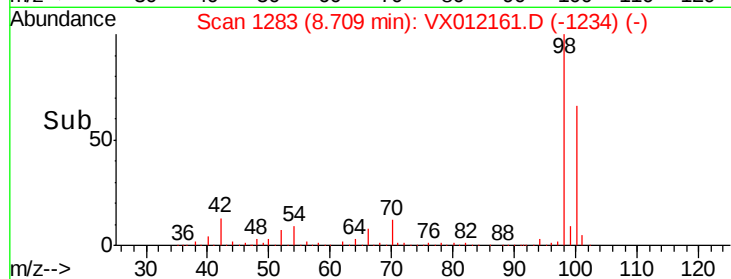
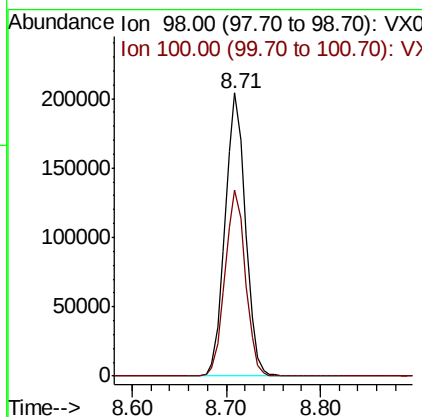
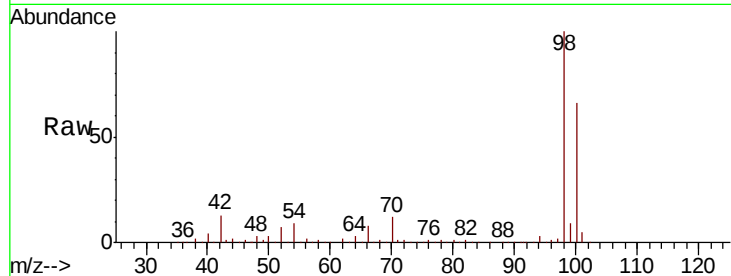




#50
Toluene-d8
Concen: 52.110 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012161.D
Acq: 06 Sep 2019 21:16

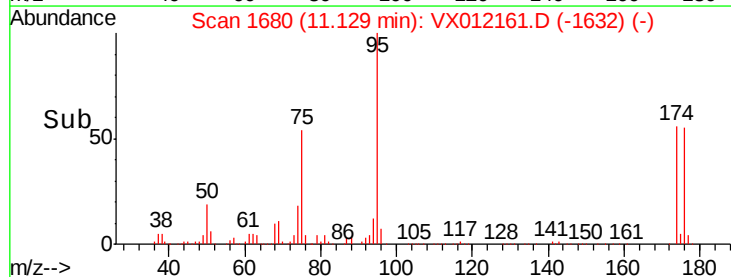
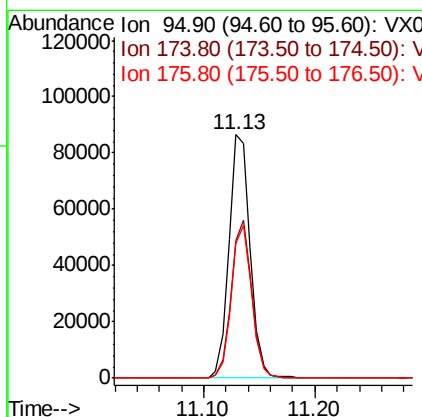
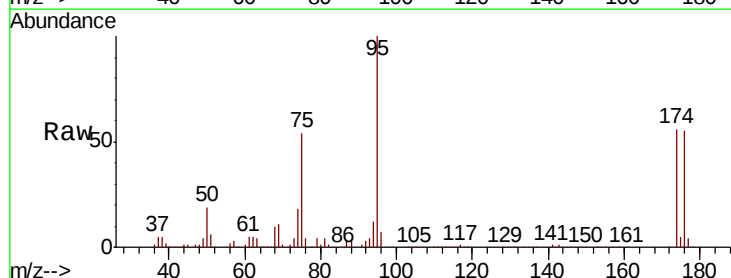
Instrument :
MSVOA_X
ClientSampleId :
T12-F4-(2.7)

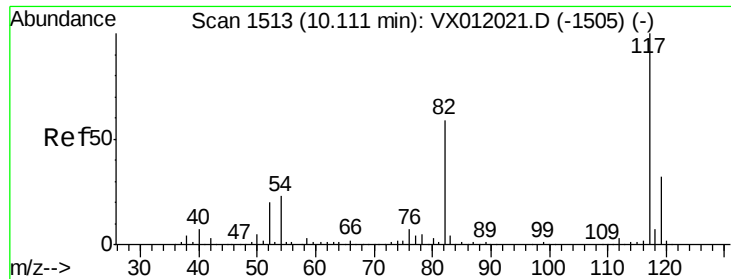
Tgt Ion: 98 Resp: 306365
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 41.367 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012161.D
Acq: 06 Sep 2019 21:16

Tgt Ion: 95 Resp: 113104
Ion Ratio Lower Upper
95 100
174 62.6 0.0 205.4
176 60.5 0.0 201.8

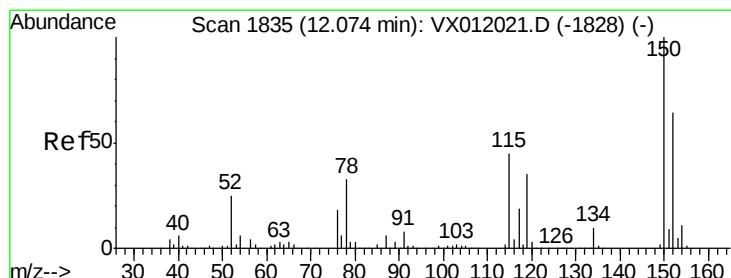
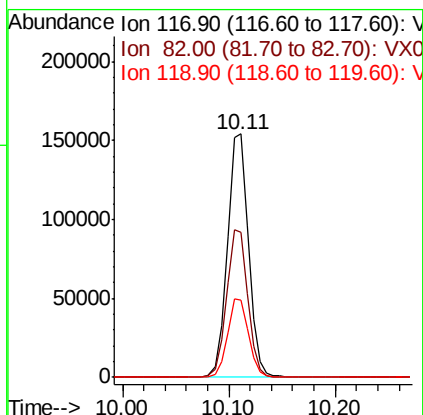
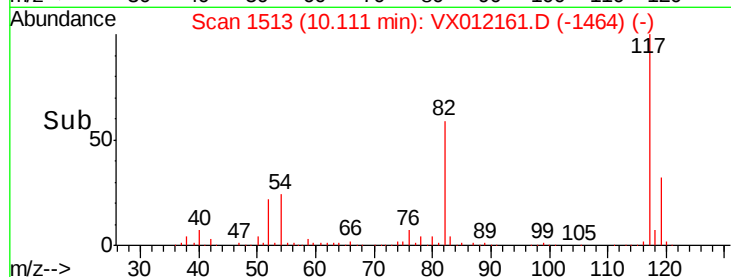
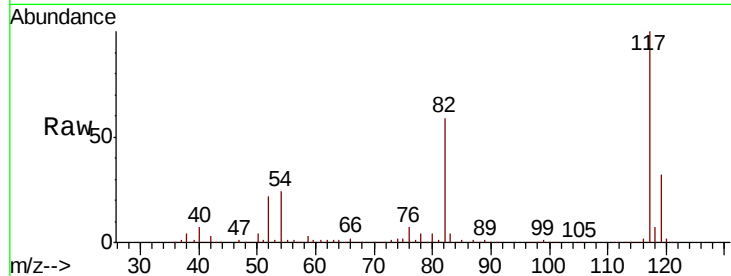




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012161.D
Acq: 06 Sep 2019 21:16

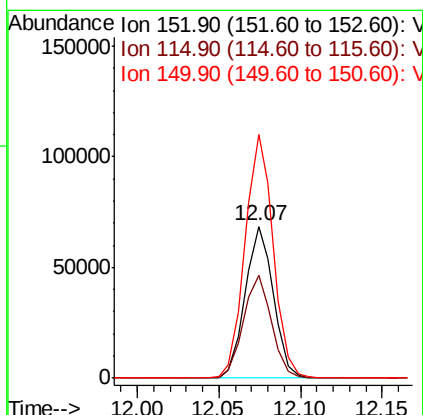
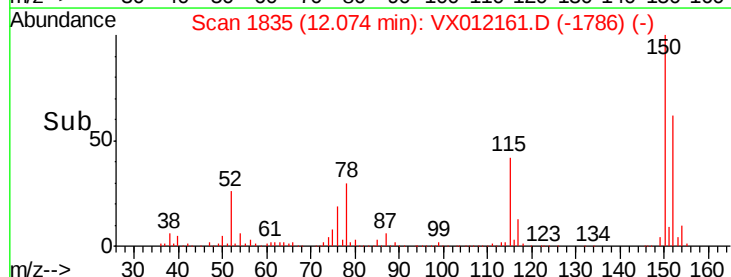
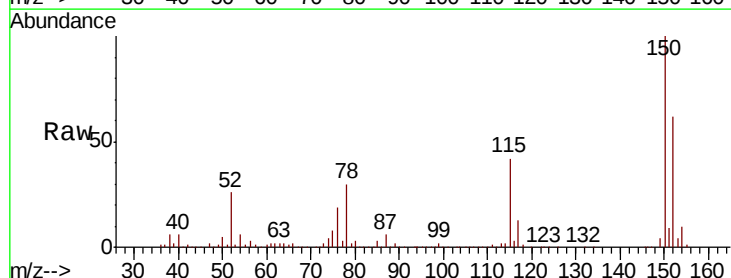
Instrument :
MSVOA_X
ClientSampleId :
T12-F4-(2.7)

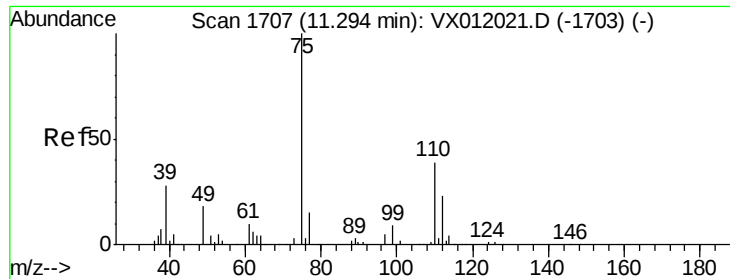
Tgt Ion:117 Resp: 214529
Ion Ratio Lower Upper
117 100
82 59.4 39.4 59.0#
119 31.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012161.D
Acq: 06 Sep 2019 21:16

Tgt Ion:152 Resp: 82830
Ion Ratio Lower Upper
152 100
115 67.5 36.4 109.3
150 160.0 0.0 341.2

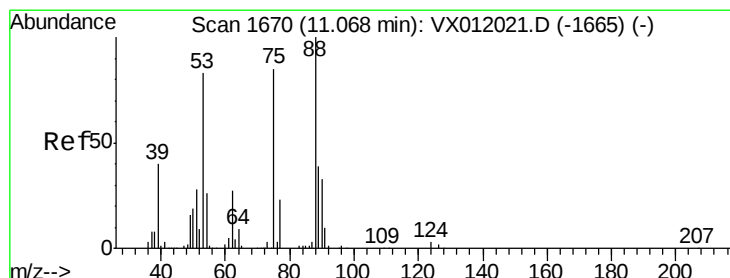
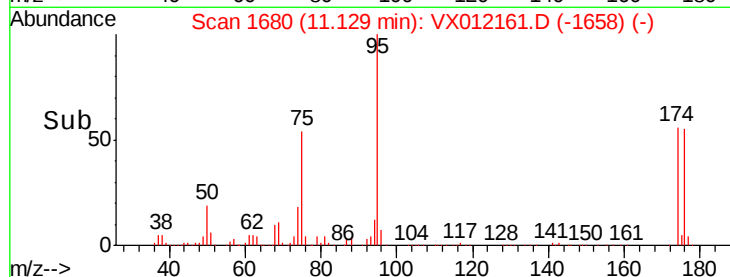
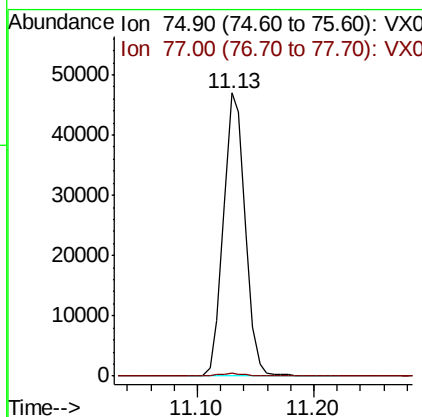
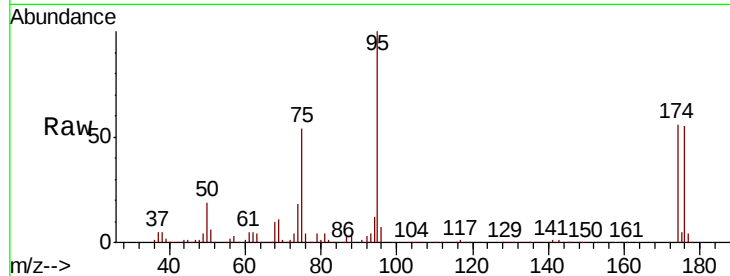




#76
 1,2,3-Trichloropropane
 Concen: 59.909 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012161.D
 Acq: 06 Sep 2019 21:16

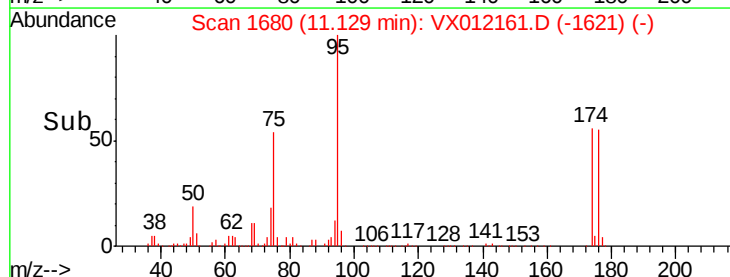
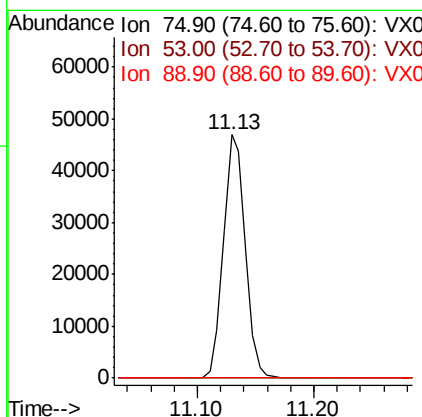
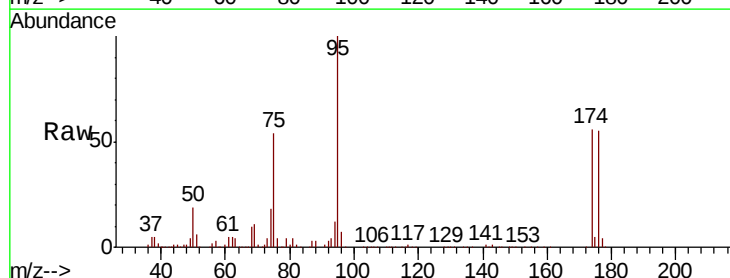
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F4-(2.7)

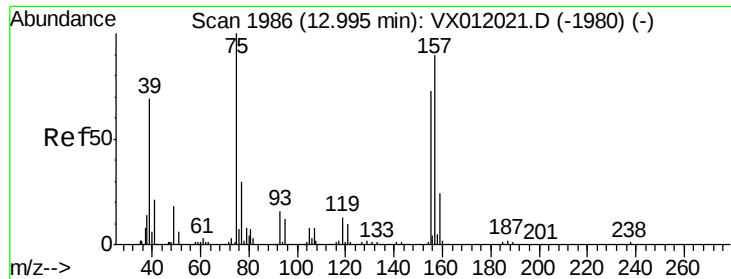
Tgt Ion: 75 Resp: 60631
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.634 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012161.D
 Acq: 06 Sep 2019 21:16

Tgt Ion: 75 Resp: 60631
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.0 38.8 58.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.150 ug/l

RT: 12.81 min Scan# 1955

Delta R.T. -0.19 min

Lab File: VX012161.D

Acq: 06 Sep 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

T12-F4-(2.7)

Tgt Ion: 75 Resp: 570

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.2#

157 0.0 66.9 200.7#

