

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012162.D
 Acq On : 06 Sep 2019 21:44
 Operator : SY/SP
 Sample : K4601-20
 Misc : 2.64g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-G1-(0)

Quant Time: Sep 07 01:17:28 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

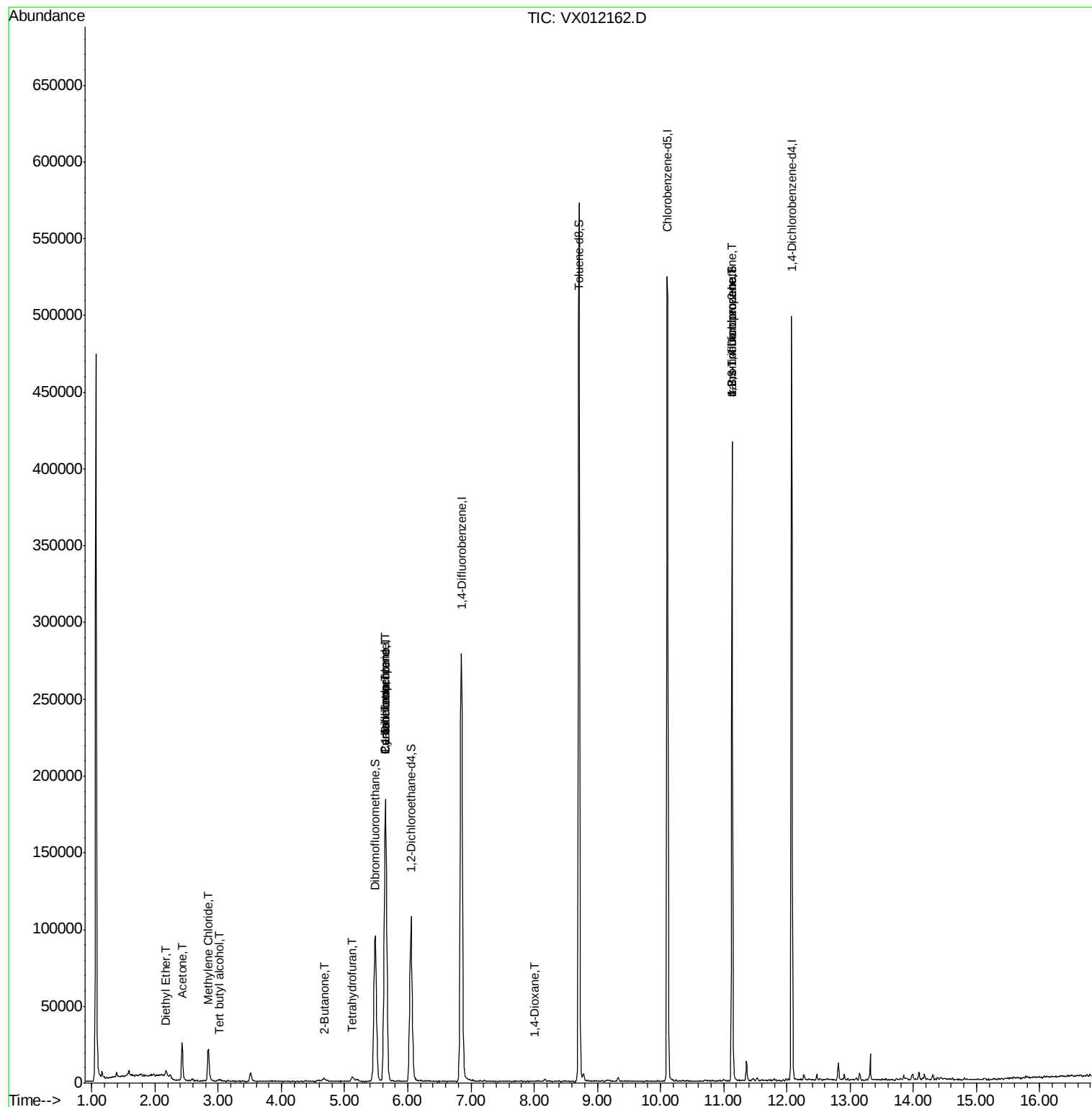
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269902	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91006	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	107774	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
35) Dibromofluoromethane	5.48	113	81668	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	317194	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.13	95	120441	42.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.04%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	1019	1.376	ug/l	75
11) Tert butyl alcohol	3.02	59	1308	6.358	ug/l #	86
13) Acrolein	2.26	56	133	Below Cal	#	76
16) Acetone	2.42	43	26538	51.838	ug/l	98
20) Methylene Chloride	2.84	84	9575	4.658	ug/l	85
25) 2-Butanone	4.69	43	810	1.243	ug/l #	89
29) Tetrahydrofuran	5.13	42	3345	8.520	ug/l	93
31) Cyclohexane	5.65	56	4493	1.711	ug/l #	16
36) 1,1-Dichloropropene	5.64	75	14752	6.206	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18341	7.322	ug/l #	15
49) 1,4-Dioxane	8.00	88	19	1.055	ug/l #	33
76) 1,2,3-Trichloropropane	11.13	75	62257	55.989	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	62257	132.366	ug/l #	10

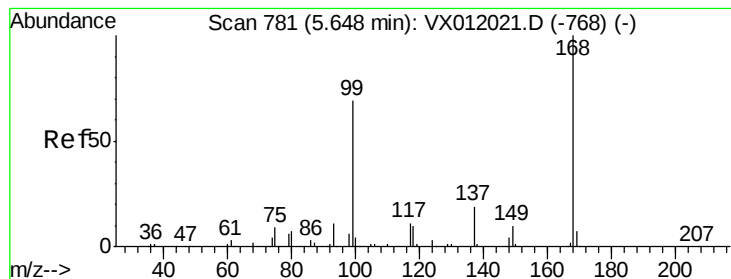
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
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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: VX012162.D

Acq: 06 Sep 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

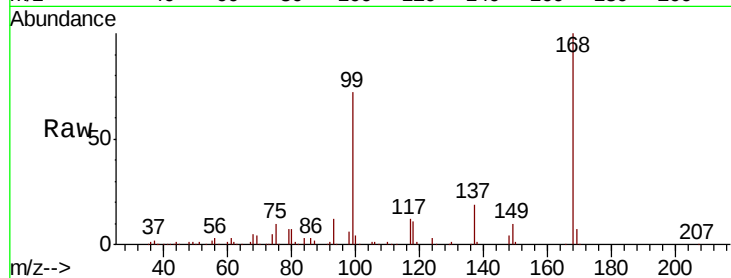
T12-G1-(0)

Tgt Ion:168 Resp: 155227

Ion Ratio Lower Upper

168 100

99 71.6 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

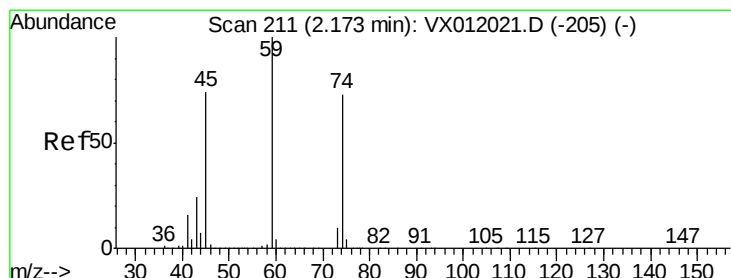
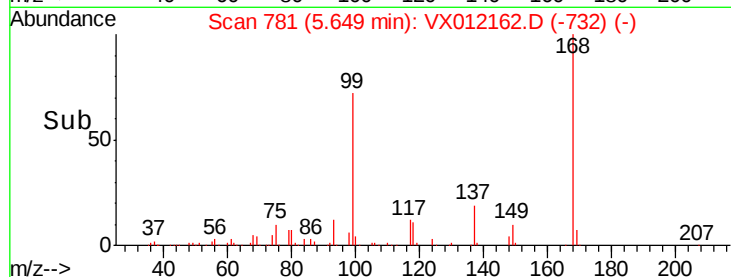
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.376 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012162.D

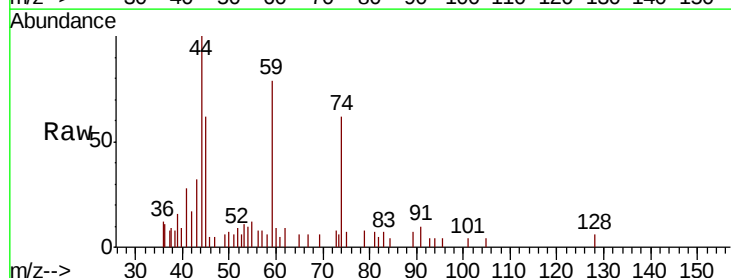
Acq: 06 Sep 2019 21:44

Tgt Ion: 74 Resp: 1019

Ion Ratio Lower Upper

74 100

45 115.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

800

600

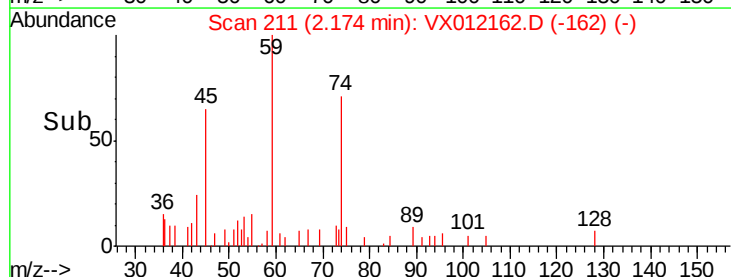
400

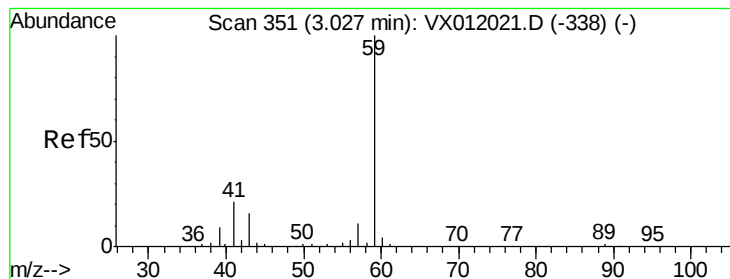
200

0

Time-->

2.15 2.20 2.25



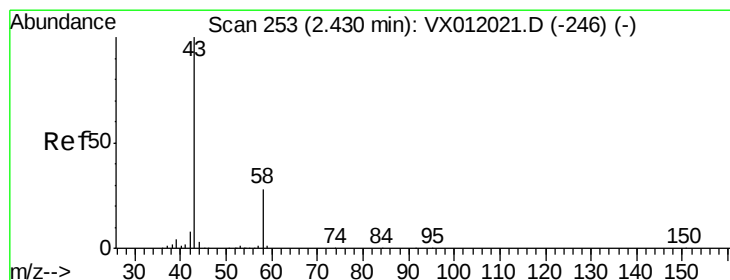
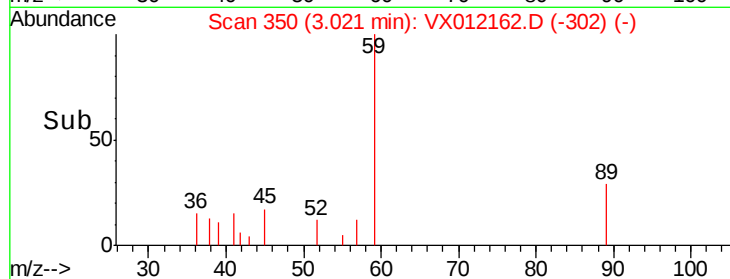
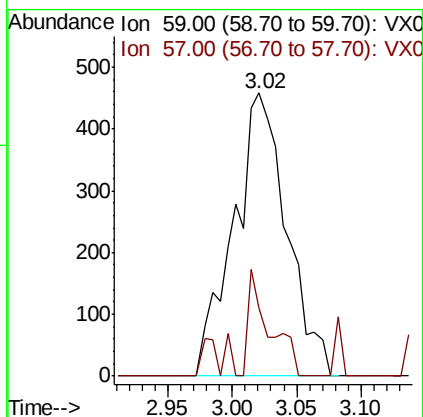
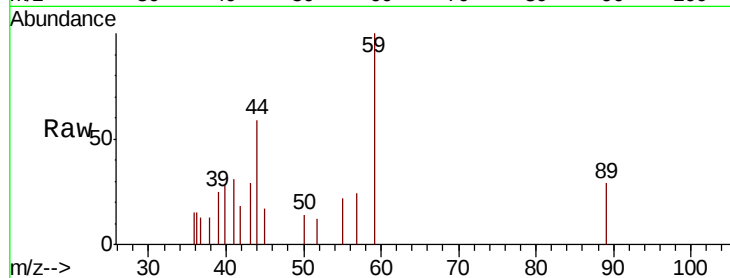


#11

Tert butyl alcohol
 Concen: 6.358 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX012162.D
 Acq: 06 Sep 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-G1-(0)

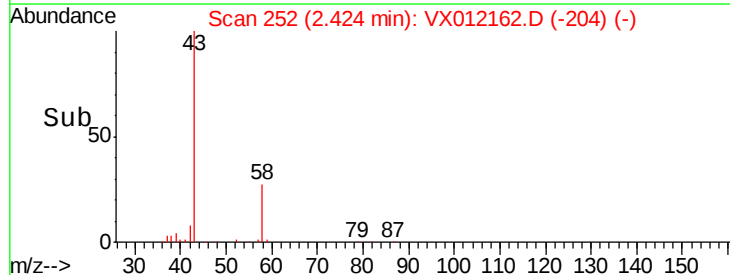
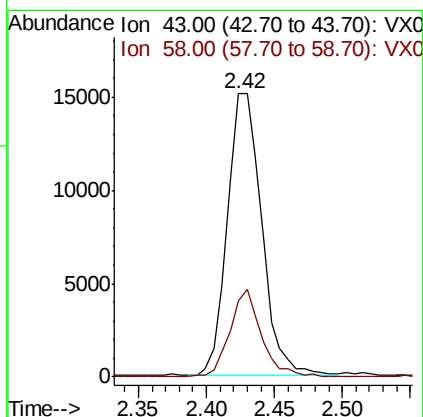
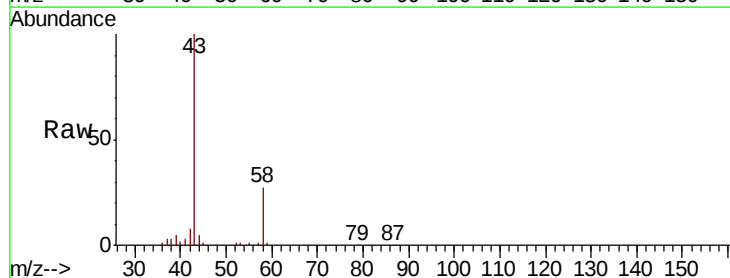
Tgt Ion: 59 Resp: 1308
 Ion Ratio Lower Upper
 59 100
 57 15.1 7.9 11.9#

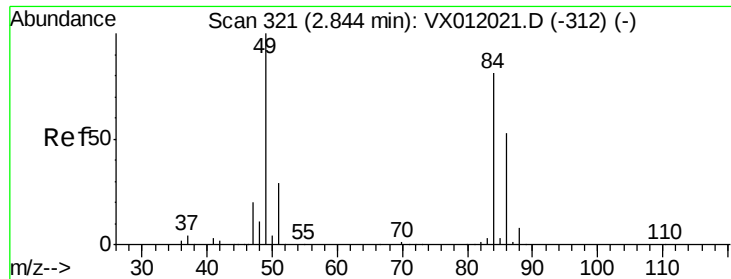


#16

Acetone
 Concen: 51.838 ug/l
 RT: 2.42 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VX012162.D
 Acq: 06 Sep 2019 21:44

Tgt Ion: 43 Resp: 26538
 Ion Ratio Lower Upper
 43 100
 58 27.2 22.8 34.2

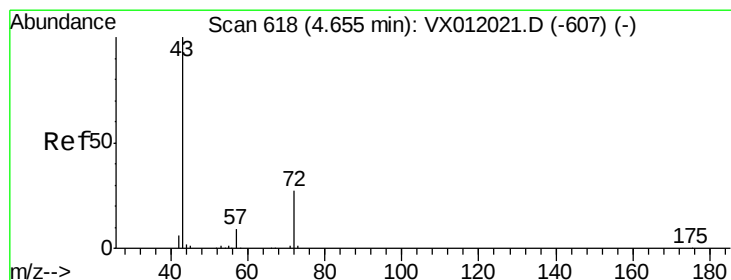
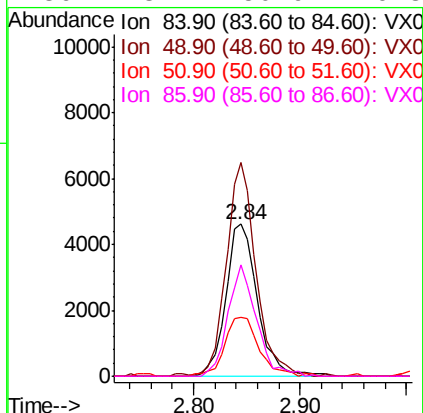
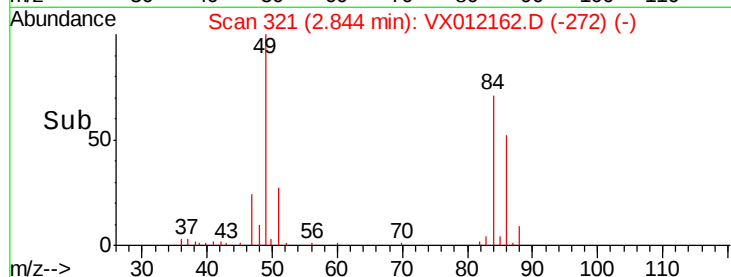
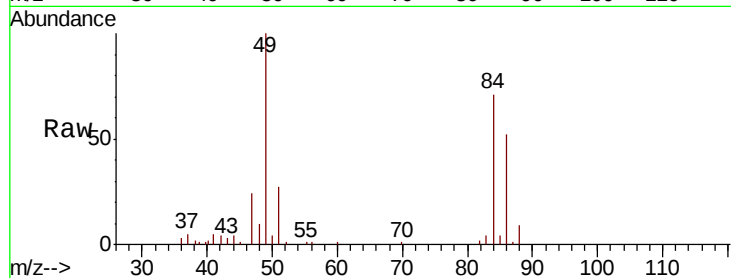




#20
Methylene Chloride
Concen: 4.658 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012162.D
Acq: 06 Sep 2019 21:44

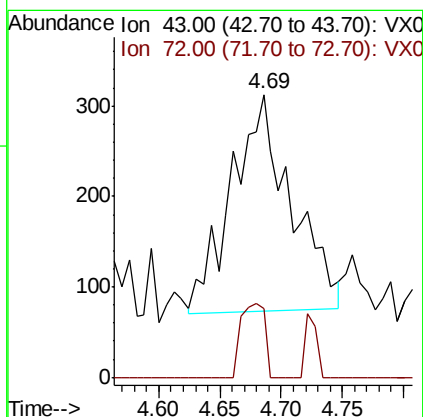
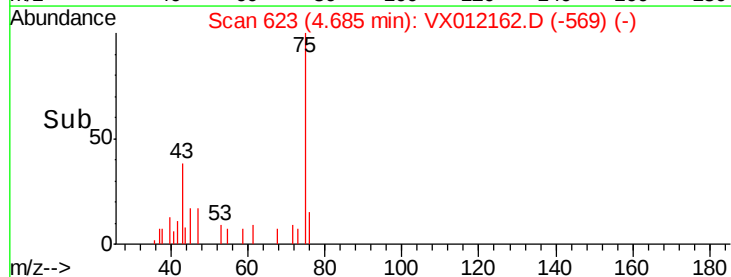
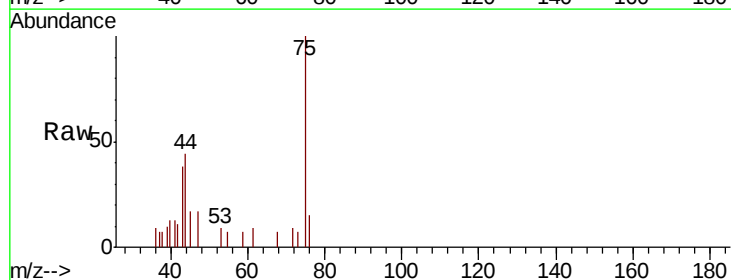
Instrument :
MSVOA_X
ClientSampleId :
T12-G1-(0)

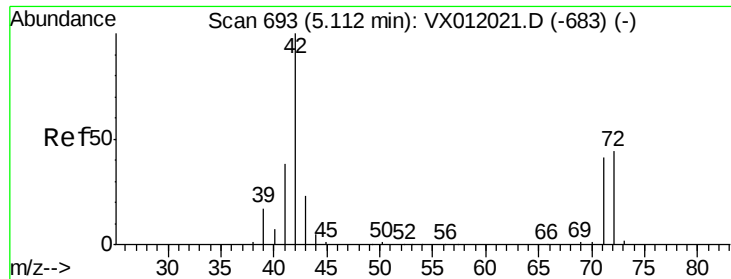
Tgt Ion:	84	Resp:	9575
Ion	Ratio	Lower	Upper
84	100		
49	140.5	95.8	143.8
51	38.4	28.6	43.0
86	73.4	50.9	76.3



#25
2-Butanone
Concen: 1.243 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.03 min
Lab File: VX012162.D
Acq: 06 Sep 2019 21:44

Tgt Ion:	43	Resp:	810
Ion	Ratio	Lower	Upper
43	100		
72	32.1	21.3	31.9#

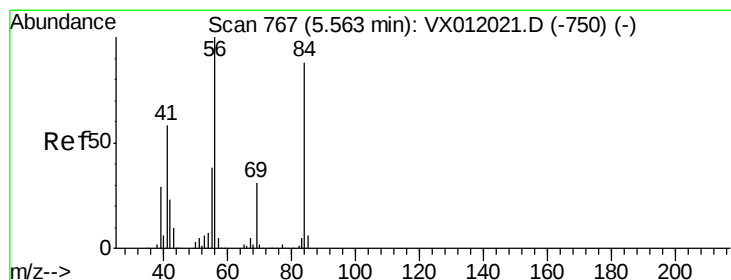
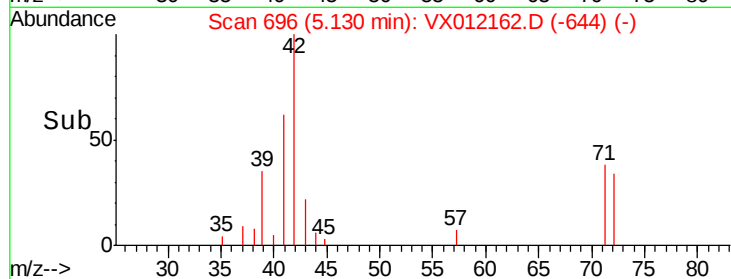
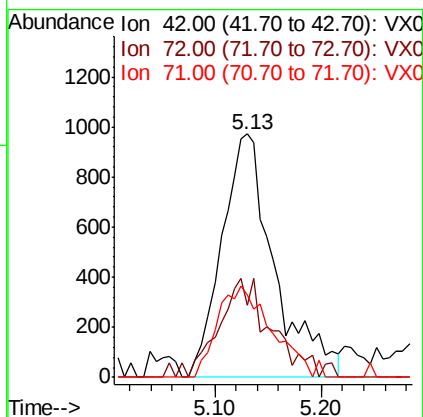
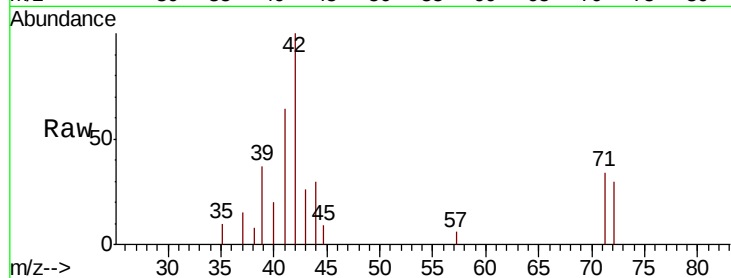




#29
Tetrahydrofuran
Concen: 8.520 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012162.D
Acq: 06 Sep 2019 21:44

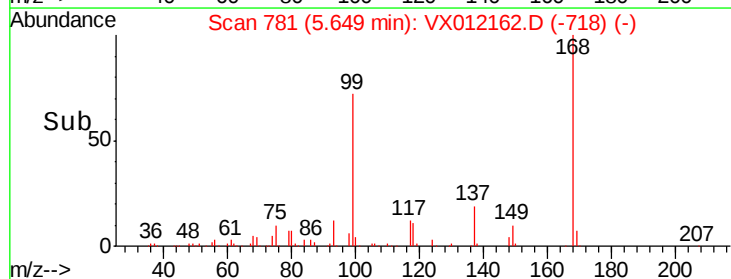
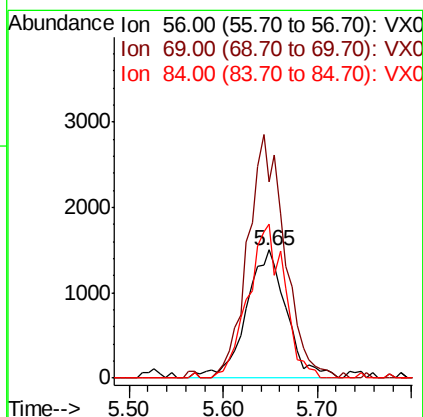
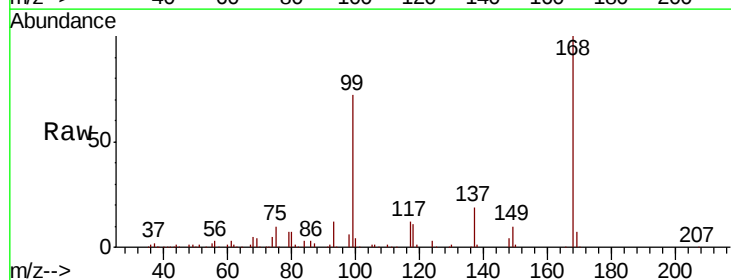
Instrument :
MSVOA_X
ClientSampleId :
T12-G1-(0)

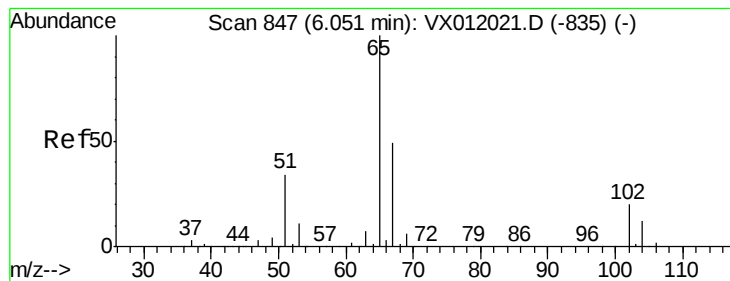
Tgt Ion: 42 Resp: 3345
Ion Ratio Lower Upper
42 100
72 39.9 37.0 55.4
71 39.0 33.8 50.8



#31
Cyclohexane
Concen: 1.711 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012162.D
Acq: 06 Sep 2019 21:44

Tgt Ion: 56 Resp: 4493
Ion Ratio Lower Upper
56 100
69 153.3 25.7 38.5#
84 120.4 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 50.319 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012162.D

Acq: 06 Sep 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

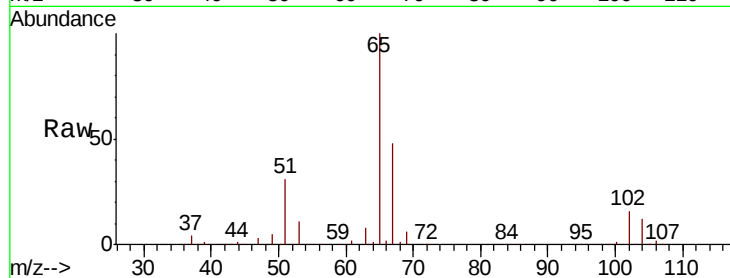
T12-G1-(0)

Tgt Ion: 65 Resp: 107774

Ion Ratio Lower Upper

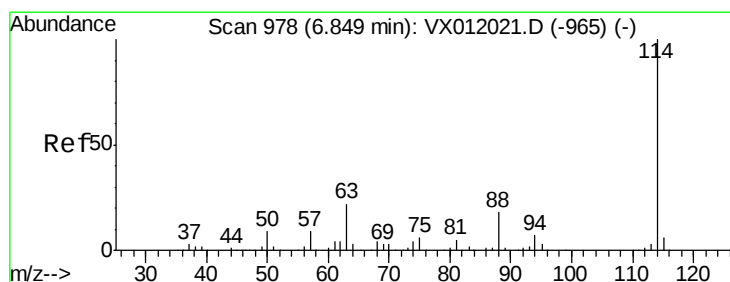
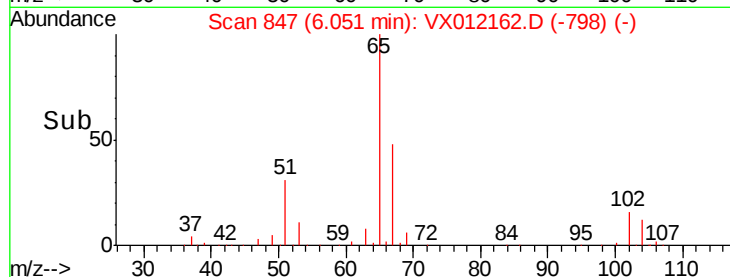
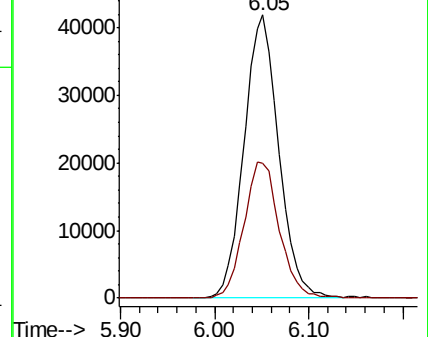
65 100

67 49.3 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: VX012162.D

Acq: 06 Sep 2019 21:44

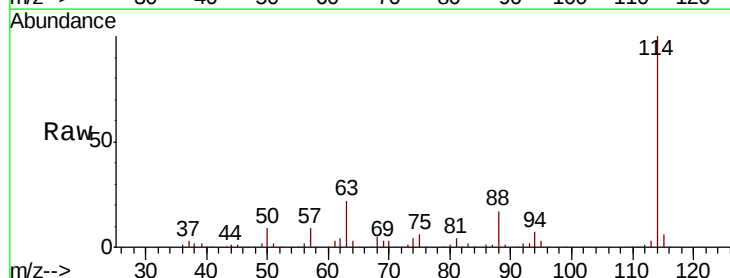
Tgt Ion: 114 Resp: 269902

Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.4

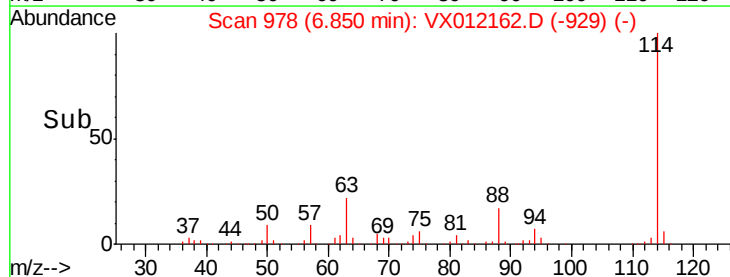
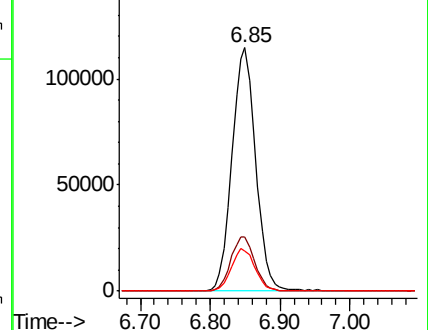
88 16.6 0.0 29.6

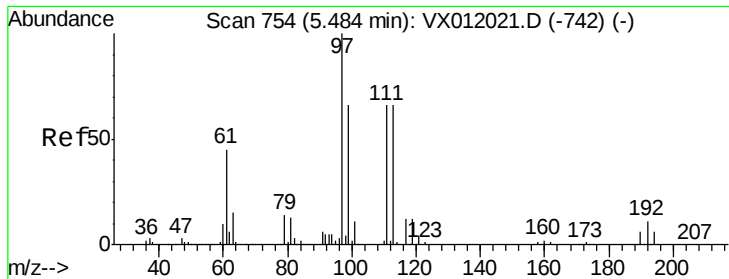


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.203 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012162.D

Acq: 06 Sep 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

T12-G1-(0)

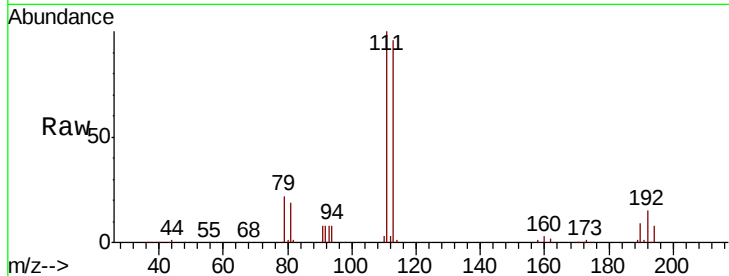
Tgt Ion:113 Resp: 81668

Ion Ratio Lower Upper

113 100

111 102.0 81.7 122.5

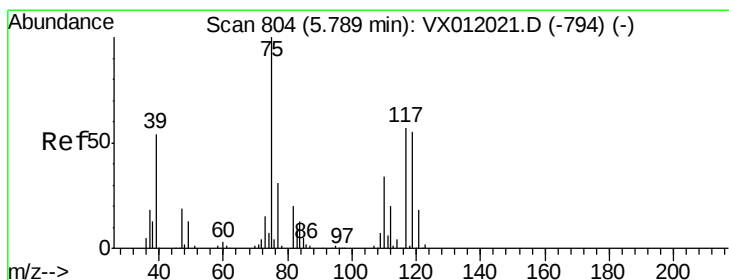
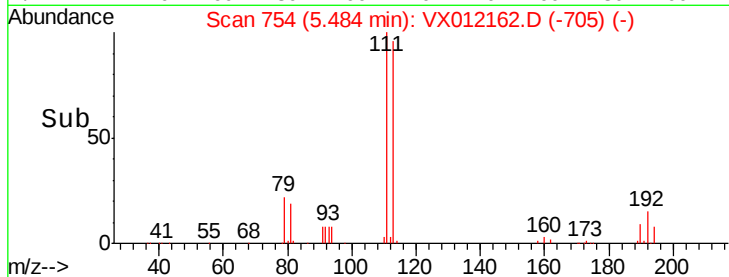
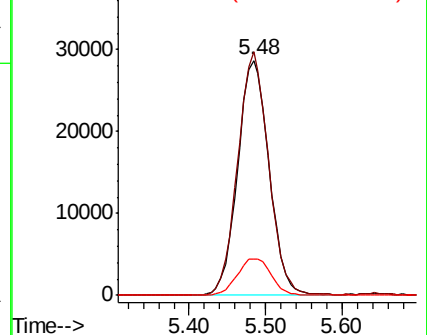
192 16.8 22.5 33.7#



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: 6.206 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012162.D

Acq: 06 Sep 2019 21:44

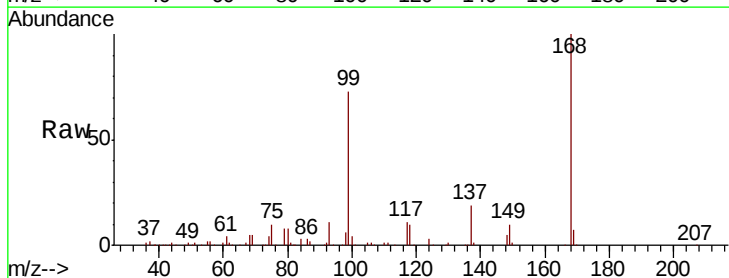
Tgt Ion: 75 Resp: 14752

Ion Ratio Lower Upper

75 100

110 10.5 19.5 58.5#

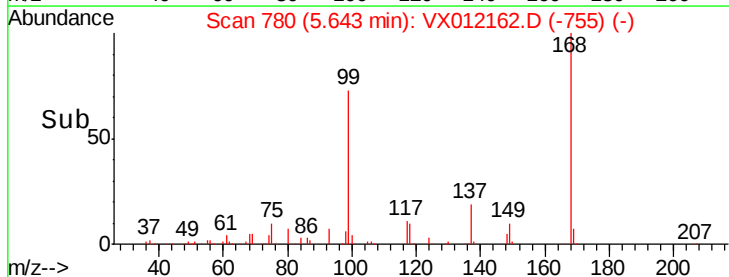
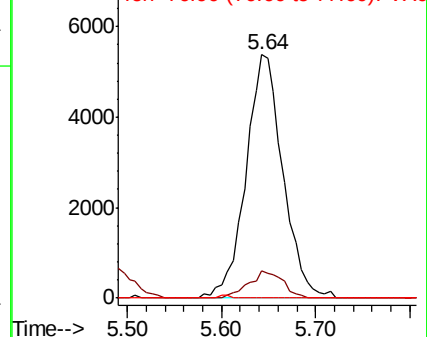
77 0.0 24.6 37.0#

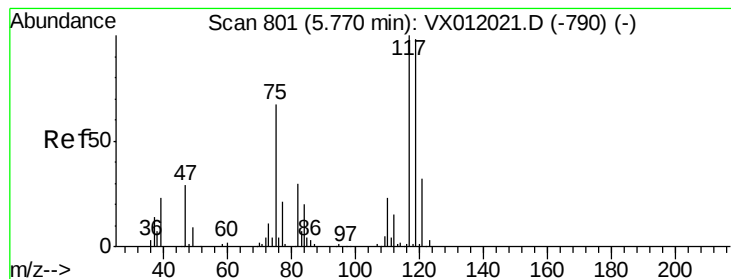


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.322 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012162.D

Acq: 06 Sep 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

T12-G1-(0)

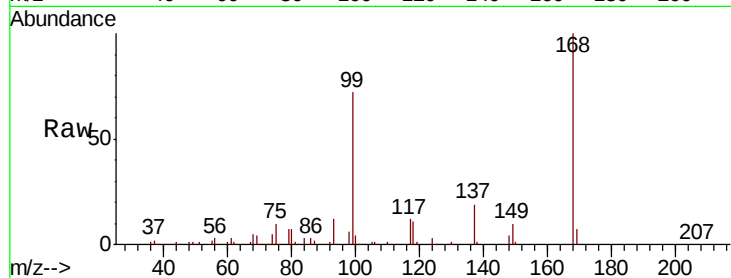
Tgt Ion:117 Resp: 18341

Ion Ratio Lower Upper

117 100

119 5.1 78.3 117.5#

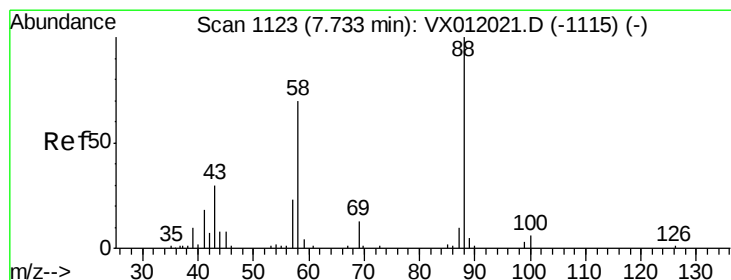
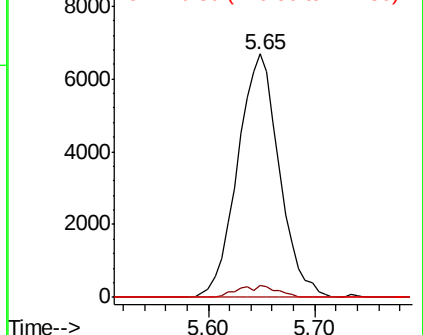
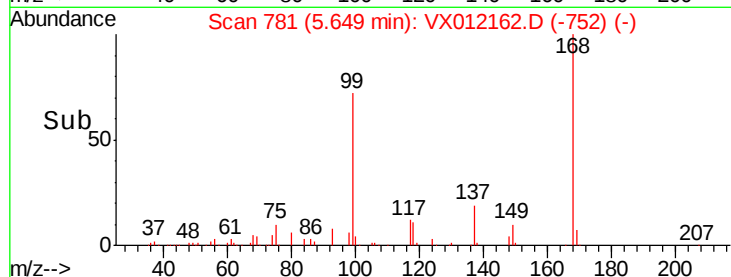
121 0.0 24.2 36.2#



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: 1.055 ug/l

RT: 8.00 min Scan# 1166

Delta R.T. 0.27 min

Lab File: VX012162.D

Acq: 06 Sep 2019 21:44

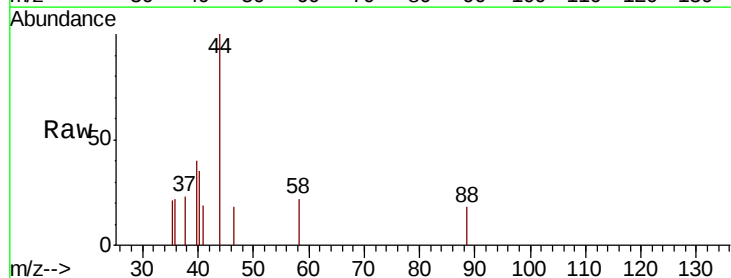
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

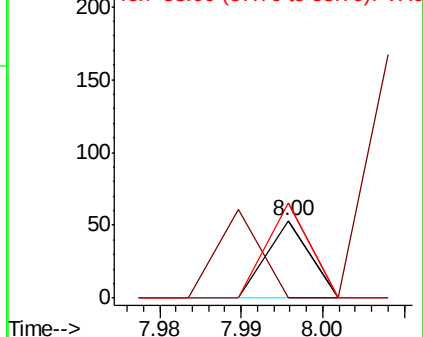
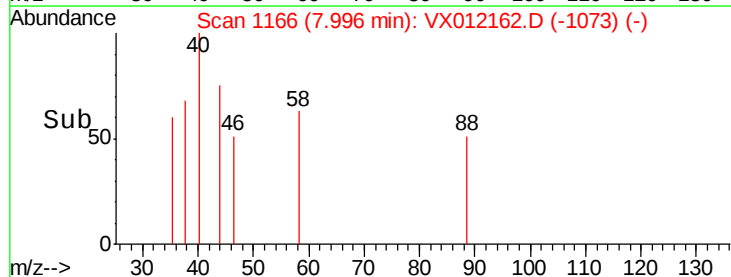
58 126.3 55.4 83.2#

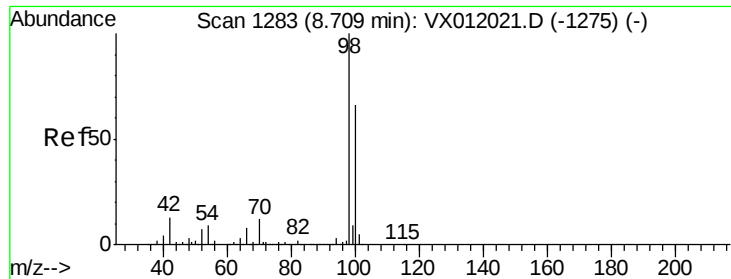


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

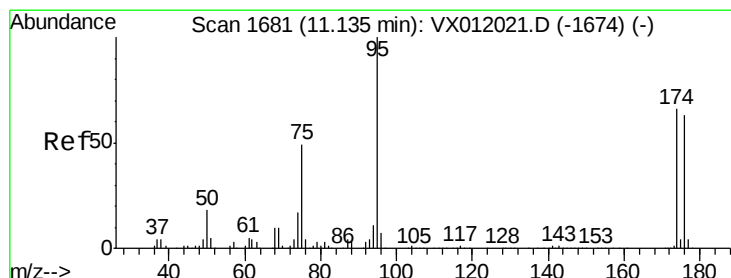
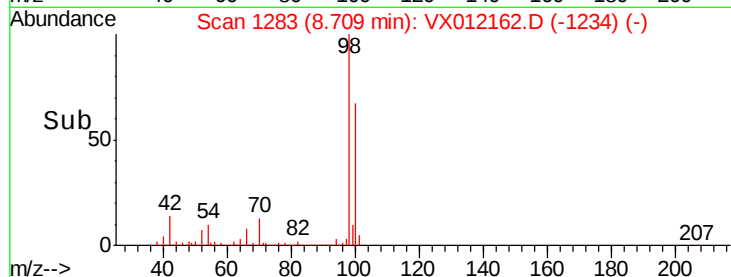
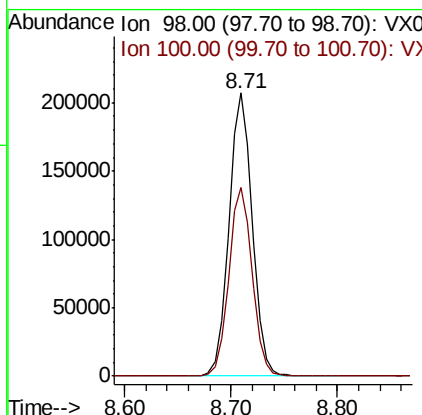
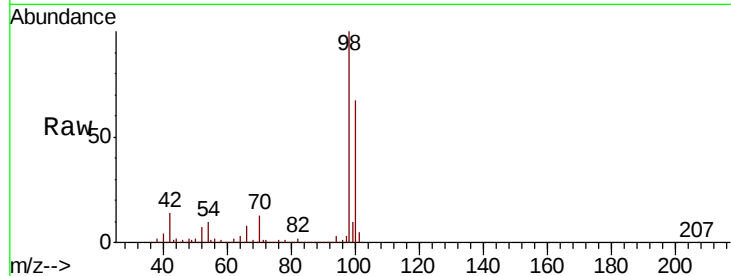




#50
Toluene-d8
Concen: 52.078 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012162.D
Acq: 06 Sep 2019 21:44

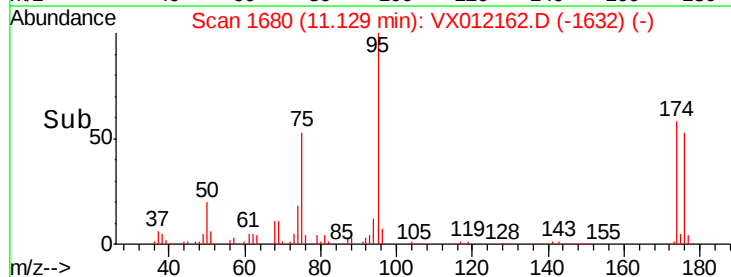
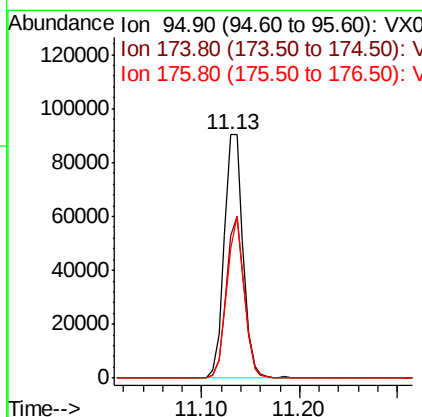
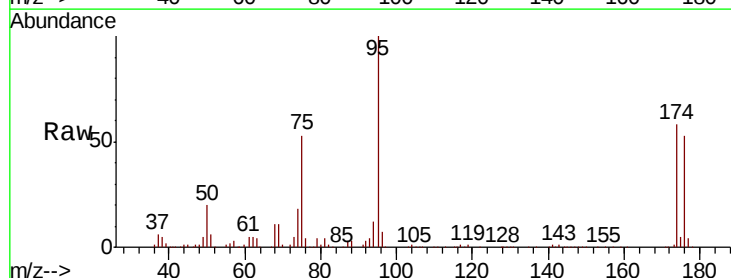
Instrument :
MSVOA_X
ClientSampleId :
T12-G1-(0)

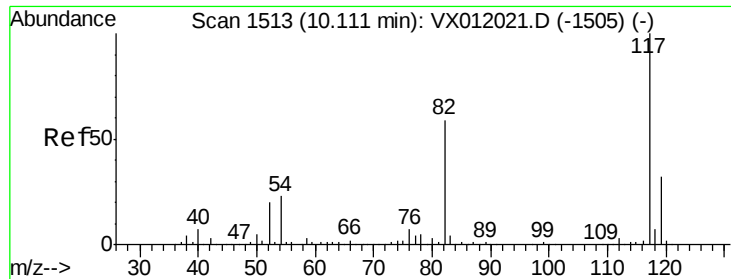
Tgt Ion: 98 Resp: 317194
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 42.520 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012162.D
Acq: 06 Sep 2019 21:44

Tgt Ion: 95 Resp: 120441
Ion Ratio Lower Upper
95 100
174 63.2 0.0 205.4
176 61.5 0.0 201.8

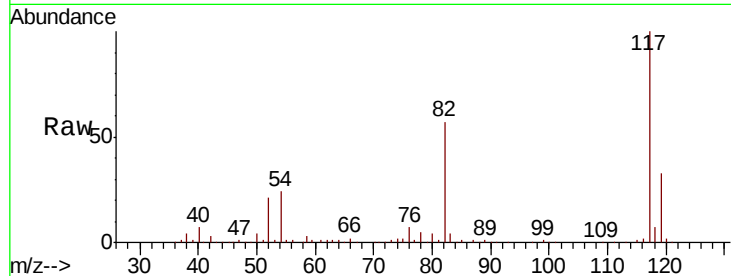




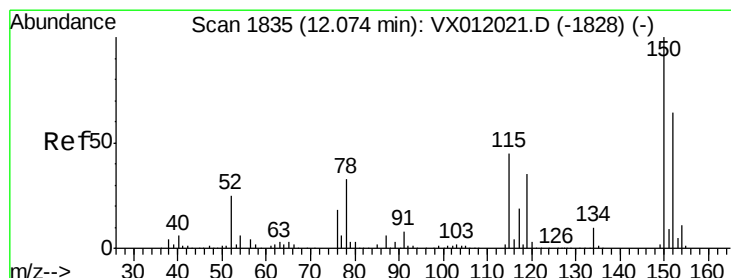
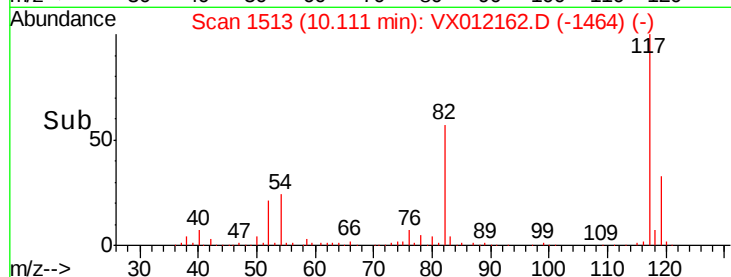
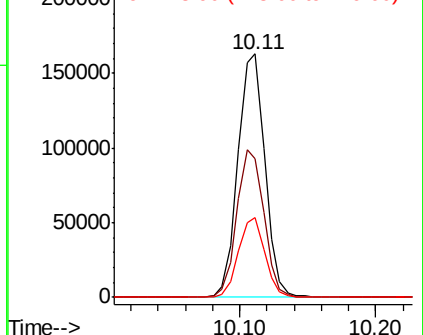
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012162.D
Acq: 06 Sep 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
T12-G1-(0)

Tgt Ion:117 Resp: 226264
Ion Ratio Lower Upper
117 100
82 57.1 39.4 59.0
119 32.8 26.1 39.1

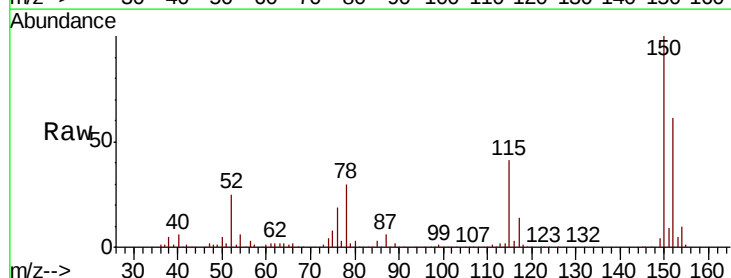


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

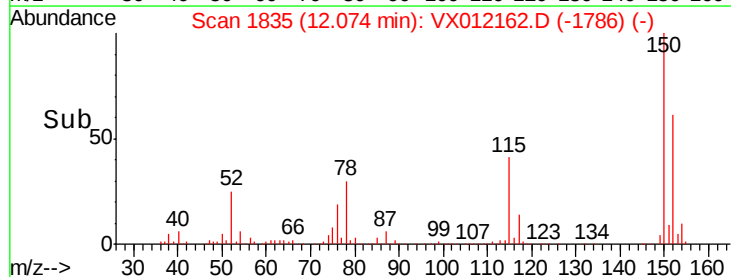
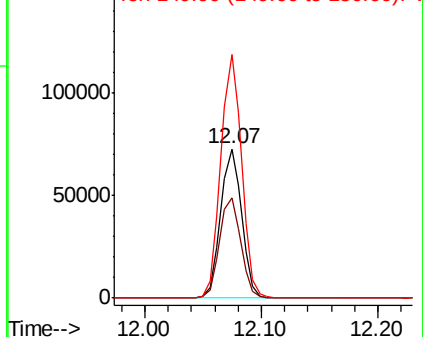


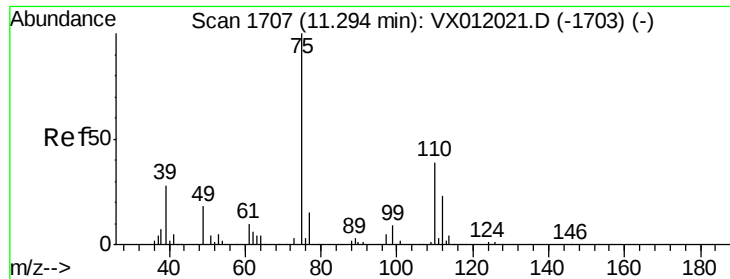
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012162.D
Acq: 06 Sep 2019 21:44

Tgt Ion:152 Resp: 91006
Ion Ratio Lower Upper
152 100
115 67.7 36.4 109.3
150 161.5 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: 55.989 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012162.D

Acq: 06 Sep 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

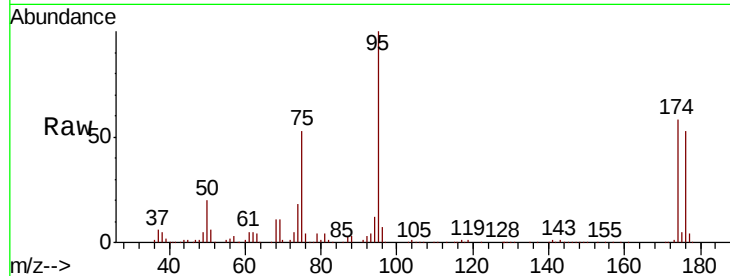
T12-G1-(0)

Tgt Ion: 75 Resp: 62257

Ion Ratio Lower Upper

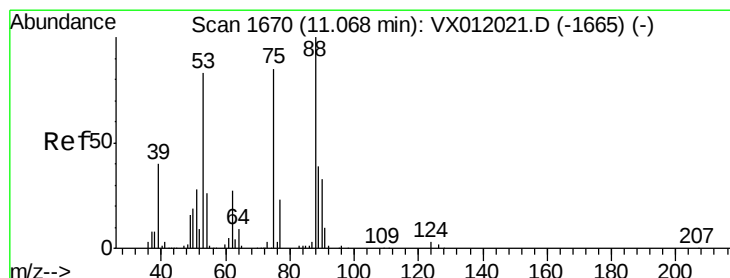
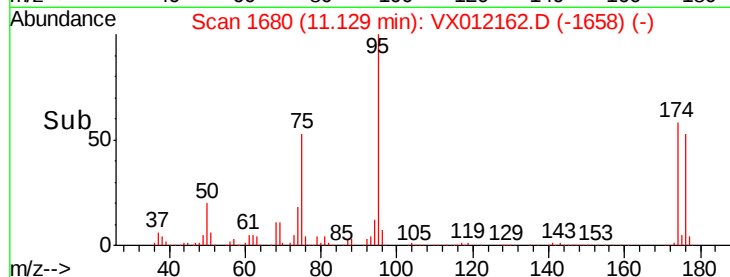
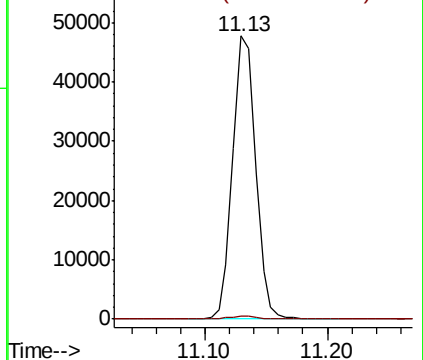
75 100

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: 132.366 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012162.D

Acq: 06 Sep 2019 21:44

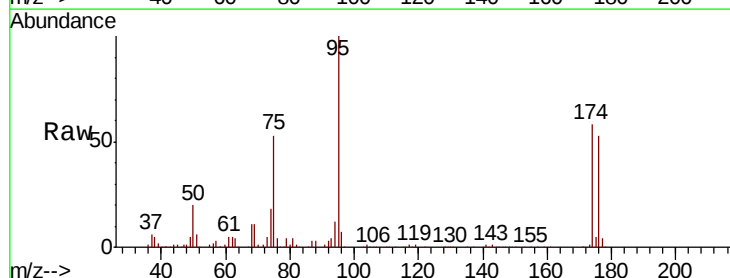
Tgt Ion: 75 Resp: 62257

Ion Ratio Lower Upper

75 100

53 0.0 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

