

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012153.D
 Acq On : 06 Sep 2019 17:33
 Operator : SY/SP
 Sample : K4601-09
 Misc : 3.24g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E4-(2.7)

Quant Time: Sep 07 01:15:57 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	21485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	33958	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	27399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	9569	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	13410	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	5.49	113	9934	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	8.71	98	39963	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	11.14	95	13813	38.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.52%	

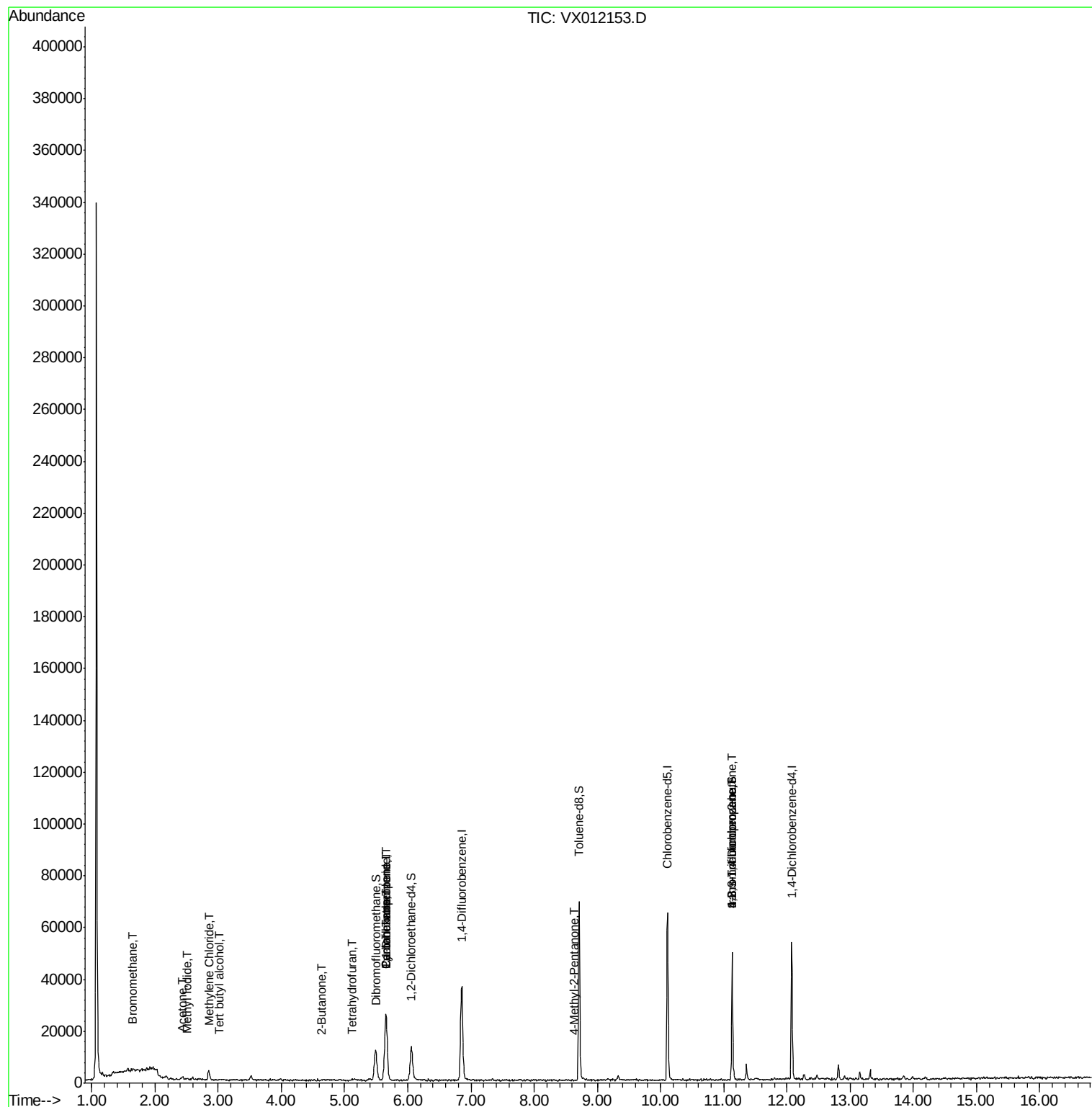
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	298	3.147	ug/l #	68
10) Methyl Iodide	2.51	142	65	7.240	ug/l #	73
11) Tert butyl alcohol	3.03	59	94	3.301	ug/l #	6
13) Acrolein	2.28	56	89	Below Cal	#	1
16) Acetone	2.44	43	1166	16.455	ug/l	100
20) Methylene Chloride	2.85	84	1486	5.222	ug/l	98
25) 2-Butanone	4.64	43	143	1.585	ug/l #	48
29) Tetrahydrofuran	5.12	42	205	3.772	ug/l #	32
31) Cyclohexane	5.65	56	936	2.575	ug/l #	60
36) 1,1-Dichloropropene	5.65	75	2133	7.132	ug/l #	47
38) Carbon Tetrachloride	5.65	117	2505	7.948	ug/l #	11
51) 4-Methyl-2-Pentanone	8.64	43	240	1.427	ug/l #	36
76) 1,2,3-Trichloropropane	11.13	75	7272	62.197	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	7272	147.044	ug/l #	10

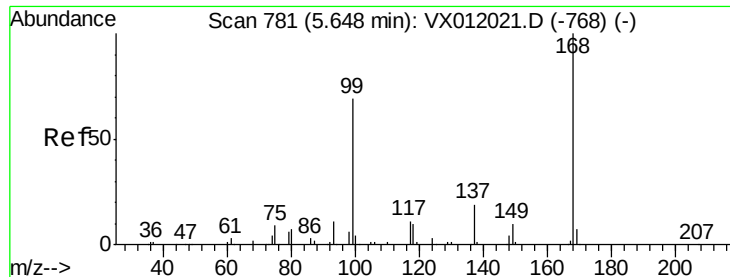
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

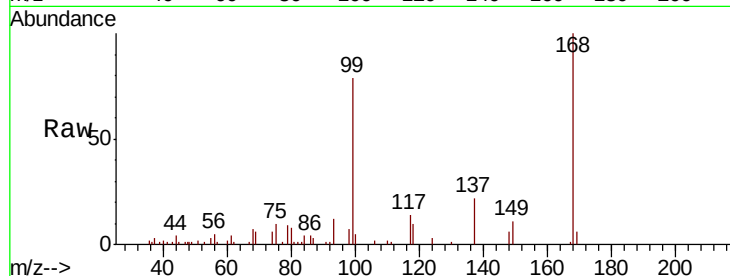
T12-E4-(2.7)

Tgt Ion:168 Resp: 21485

Ion Ratio Lower Upper

168 100

99 79.3 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

8000

6000

4000

2000

0

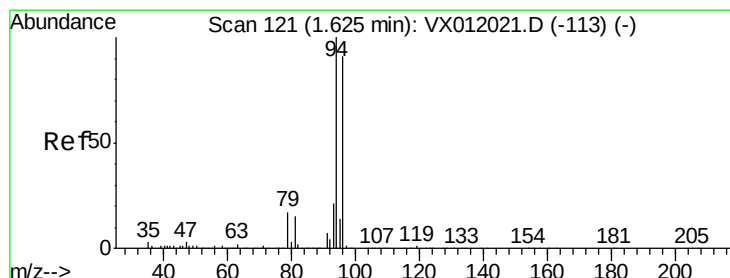
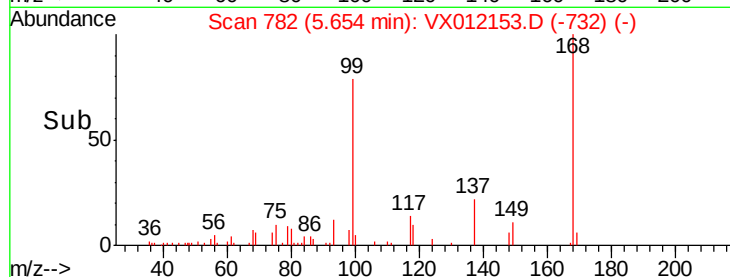
Time-->

5.50

5.60

5.70

5.80



#5

Bromomethane

Concen: 3.147 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012153.D

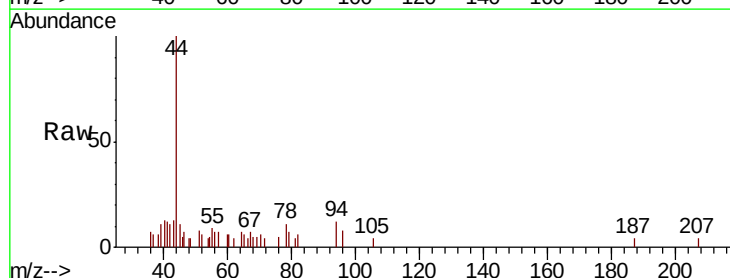
Acq: 06 Sep 2019 17:33

Tgt Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 64.4 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

100

50

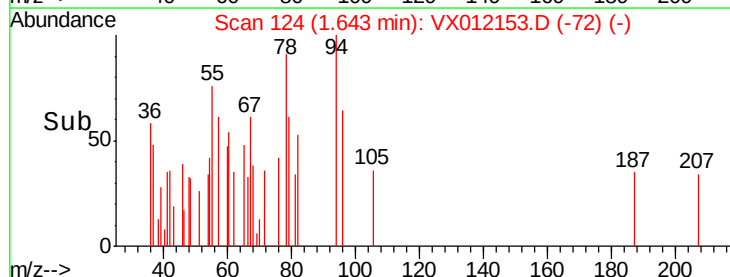
0

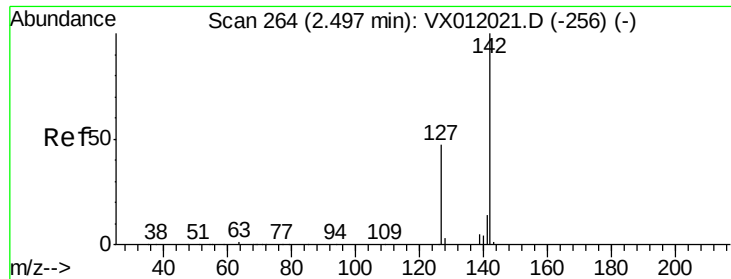
Time-->

1.60

1.65

1.70

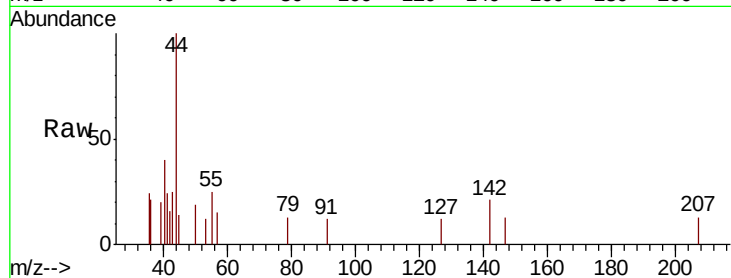




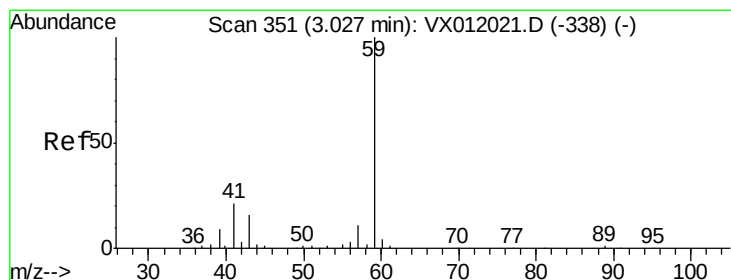
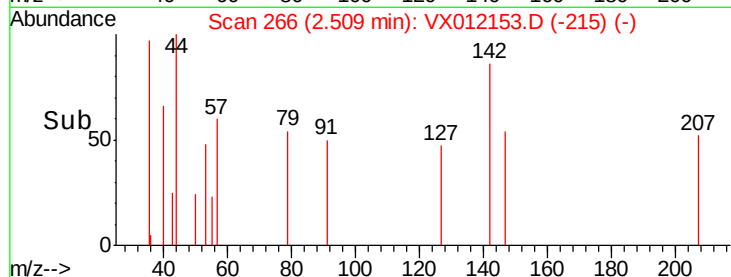
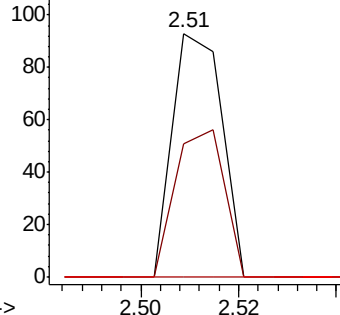
#10
Methyl Iodide
Concen: 7.240 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012153.D
Acq: 06 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
T12-E4-(2.7)

Tgt Ion: 142 Resp: 65
Ion Ratio Lower Upper
142 100
127 60.0 35.4 53.2#
141 0.0 11.4 17.2#

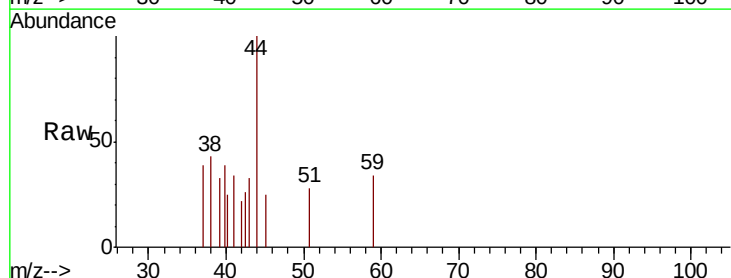


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

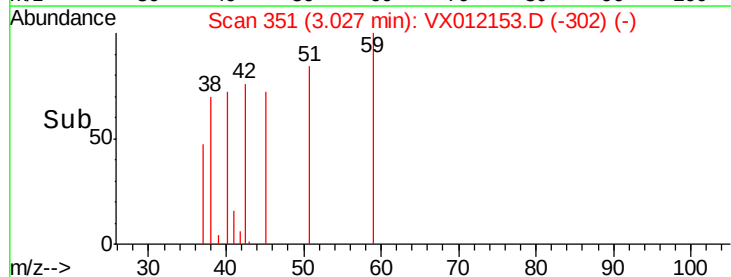
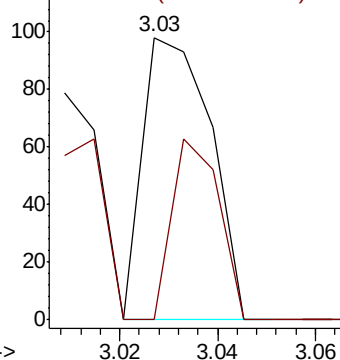


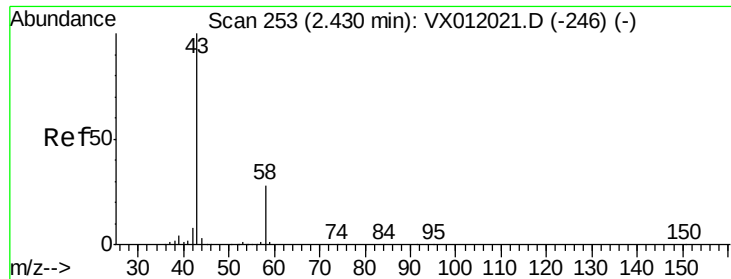
#11
Tert butyl alcohol
Concen: 3.301 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012153.D
Acq: 06 Sep 2019 17:33

Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 44.7 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 16.455 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

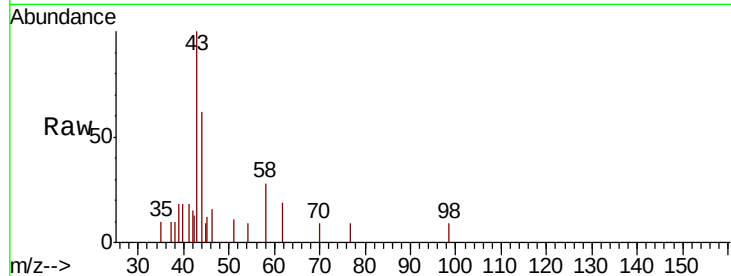
T12-E4-(2.7)

Tgt Ion: 43 Resp: 1166

Ion Ratio Lower Upper

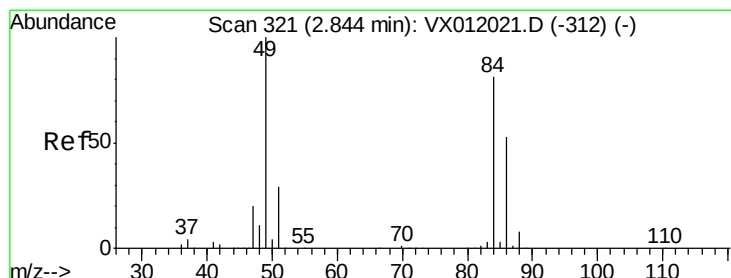
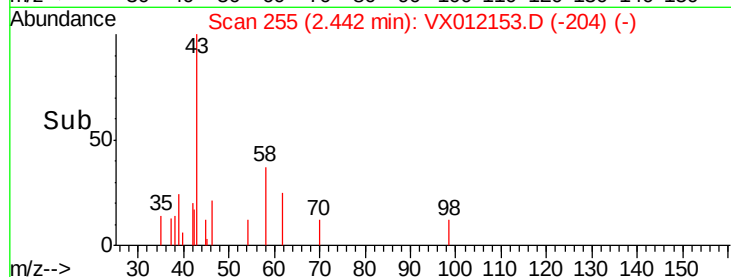
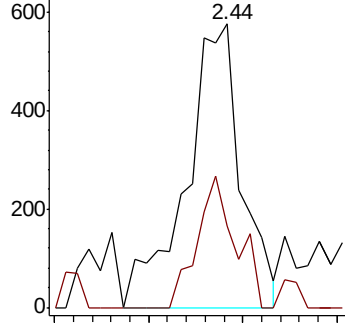
43 100

58 28.5 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: 5.222 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

Tgt Ion: 84 Resp: 1486

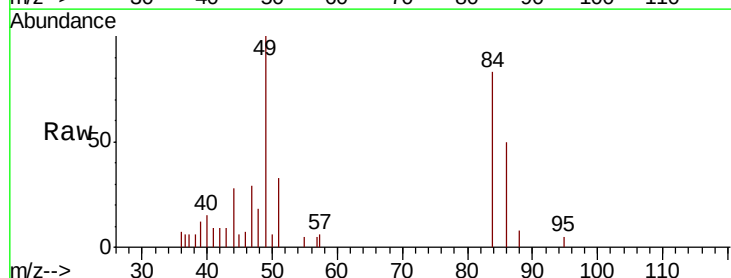
Ion Ratio Lower Upper

84 100

49 120.9 95.8 143.8

51 34.5 28.6 43.0

86 60.9 50.9 76.3

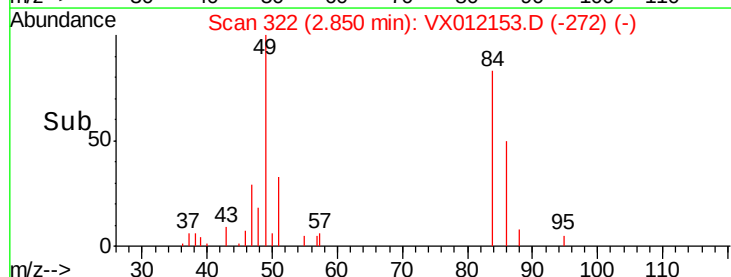
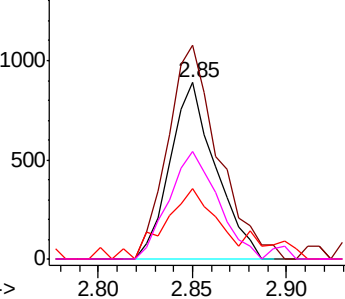


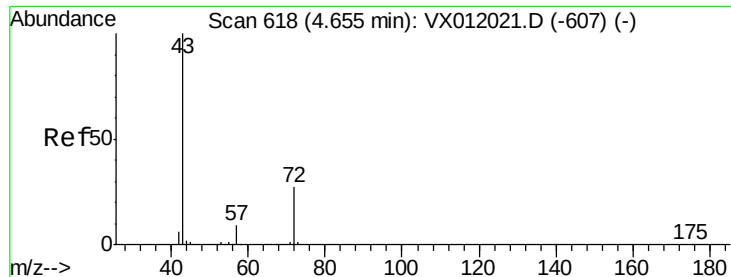
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 1.585 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.02 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

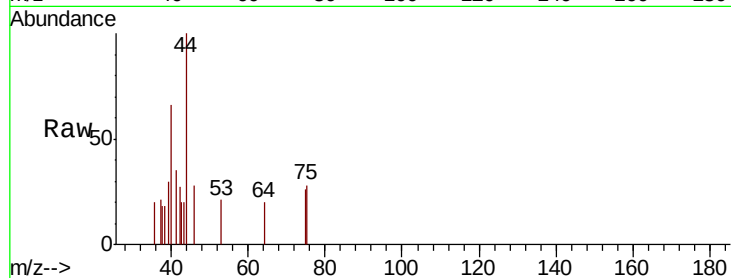
T12-E4-(2.7)

Tgt Ion: 43 Resp: 143

Ion Ratio Lower Upper

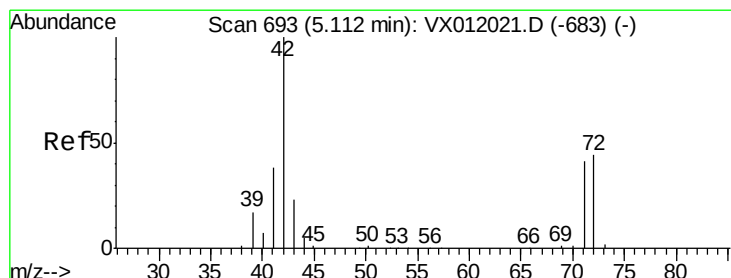
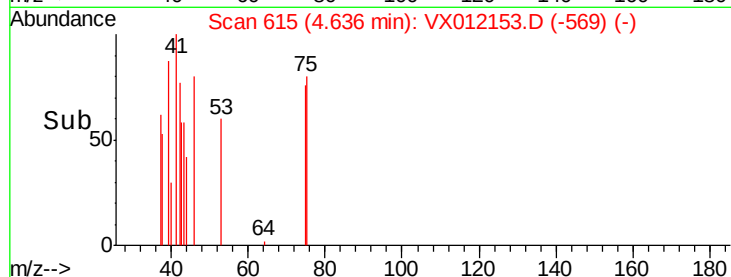
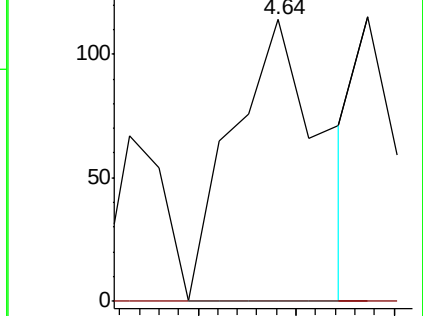
43 100

72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 3.772 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

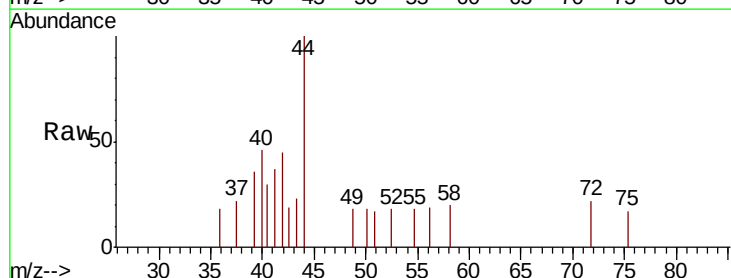
Tgt Ion: 42 Resp: 205

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

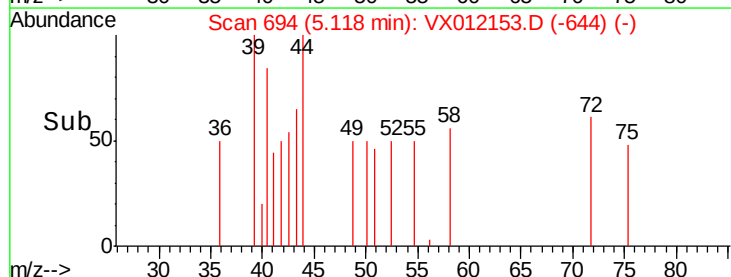
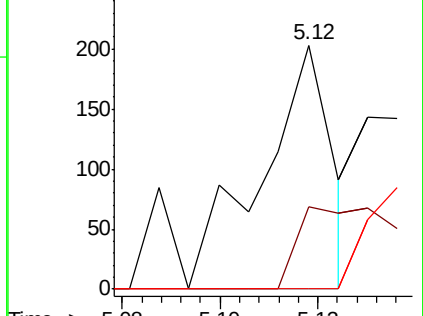
71 0.0 33.8 50.8#

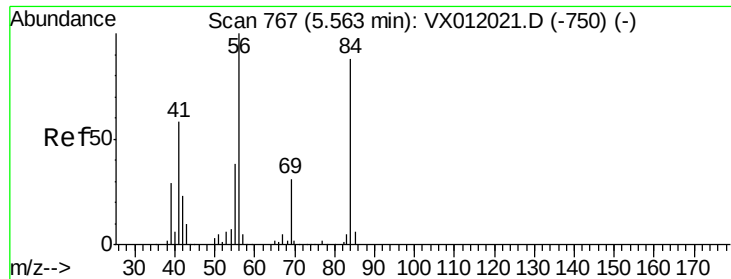


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

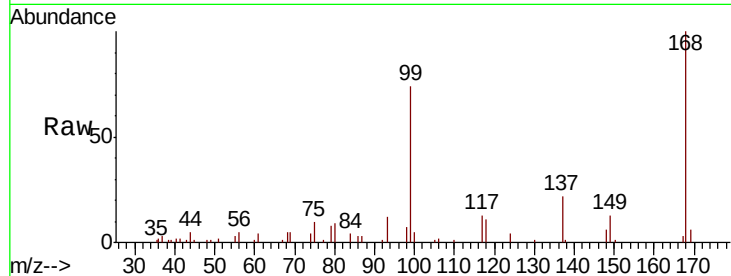




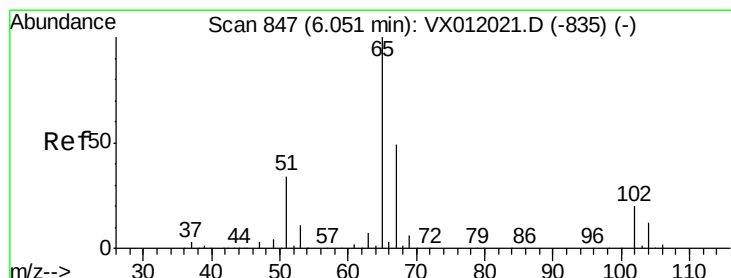
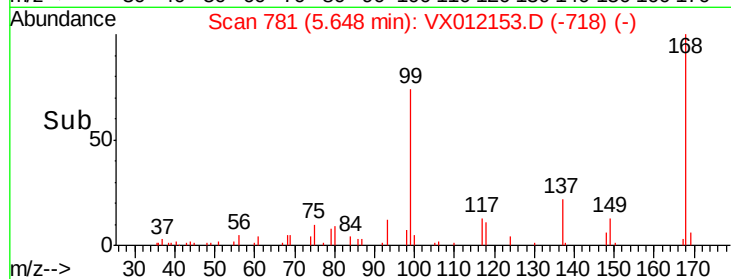
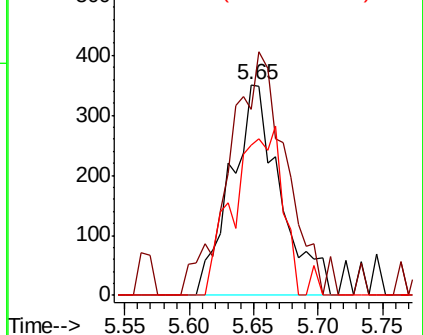
#31
Cyclohexane
Concen: 2.575 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012153.D
Acq: 06 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampled :
T12-E4-(2.7)

Tgt Ion: 56 Resp: 936
Ion Ratio Lower Upper
56 100
69 88.3 25.7 38.5#
84 71.2 70.3 105.5

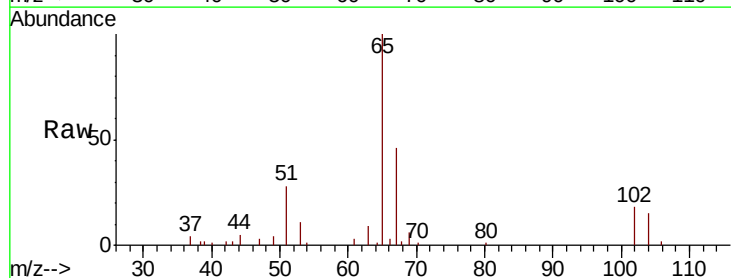


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

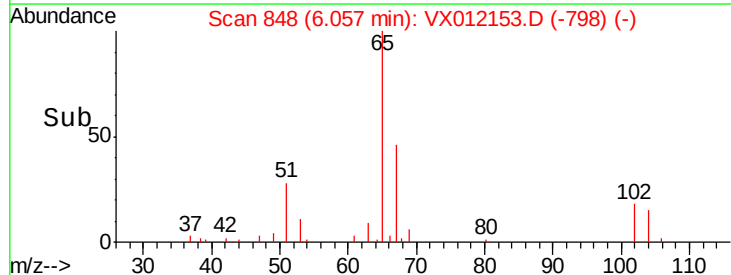
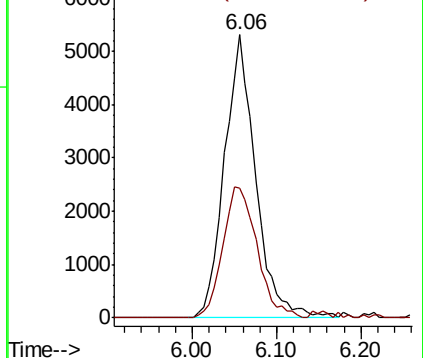


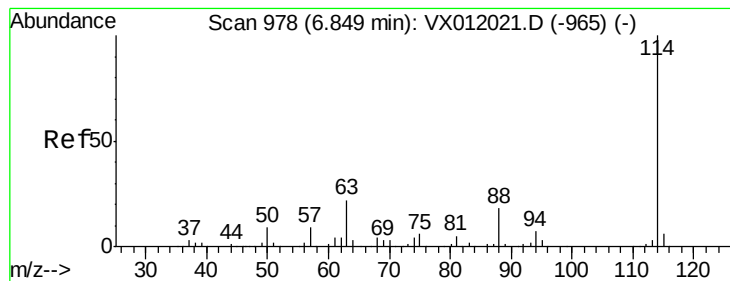
#33
1,2-Dichloroethane-d4
Concen: 45.235 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX012153.D
Acq: 06 Sep 2019 17:33

Tgt Ion: 65 Resp: 13410
Ion Ratio Lower Upper
65 100
67 50.6 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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

T12-E4-(2.7)

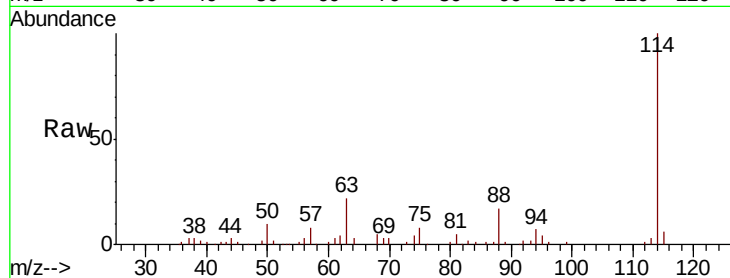
Tgt Ion:114 Resp: 33958

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.4

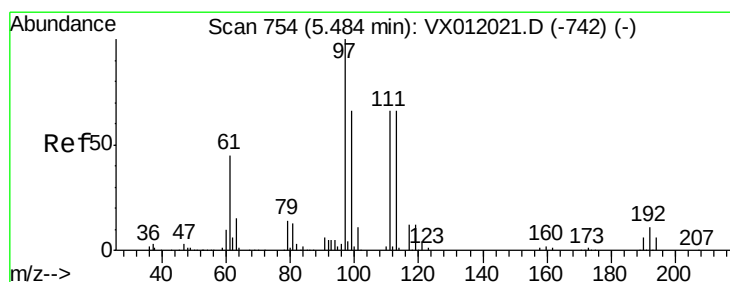
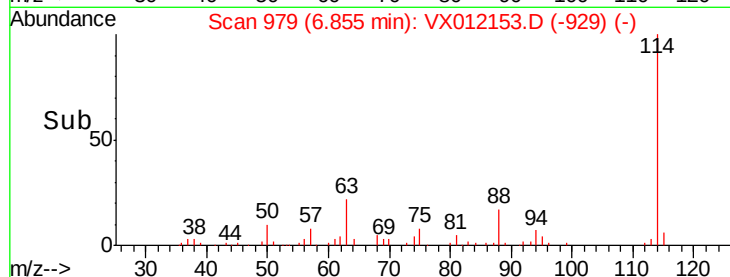
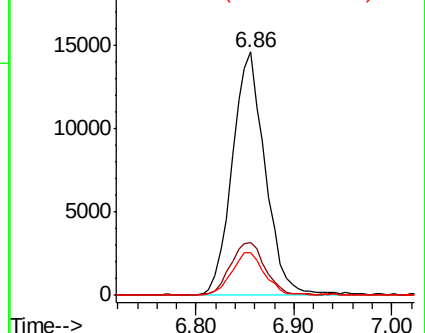
88 17.3 0.0 29.6



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: 47.569 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

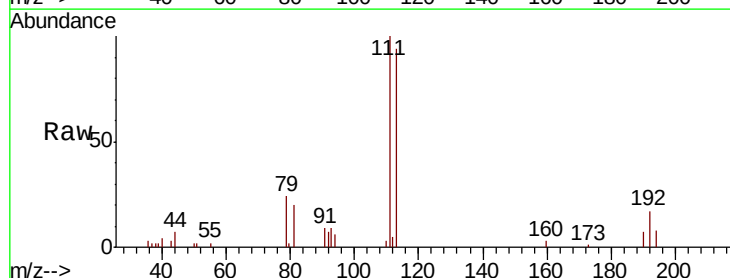
Tgt Ion:113 Resp: 9934

Ion Ratio Lower Upper

113 100

111 107.4 81.7 122.5

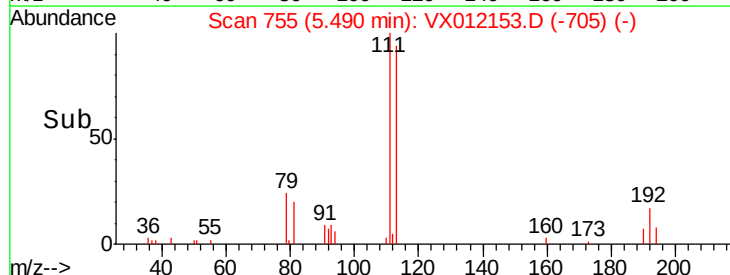
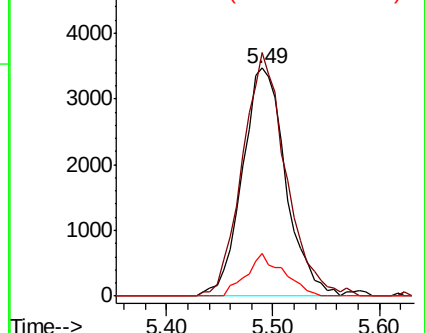
192 16.1 22.5 33.7#

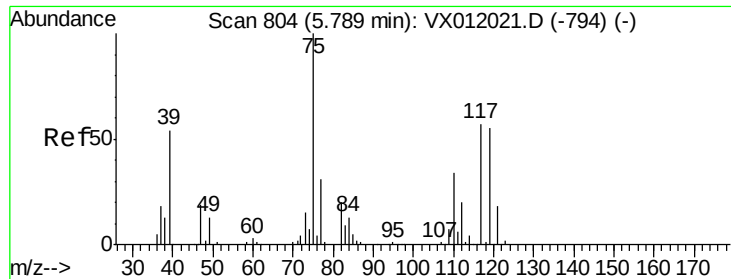


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

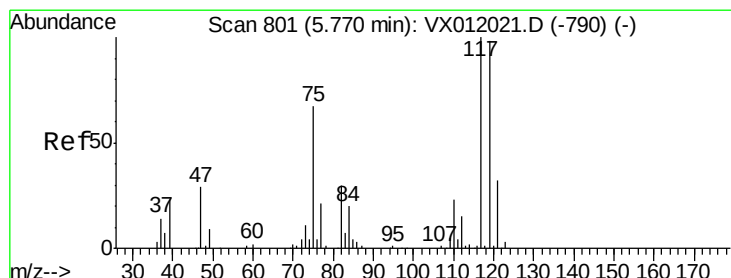
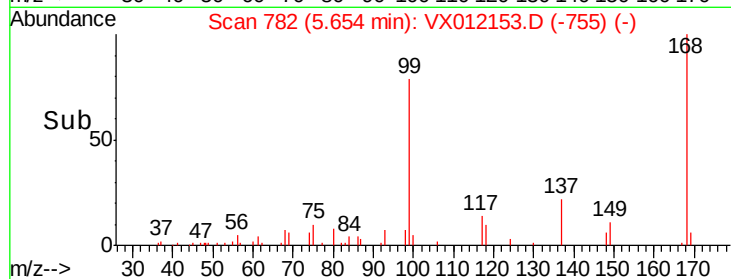
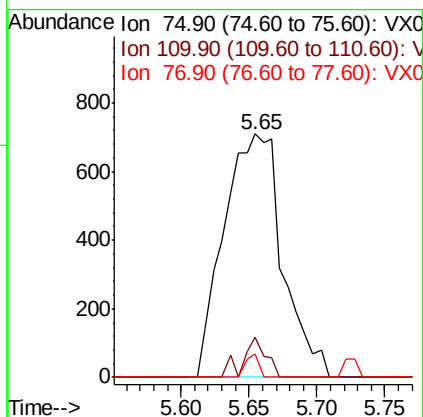
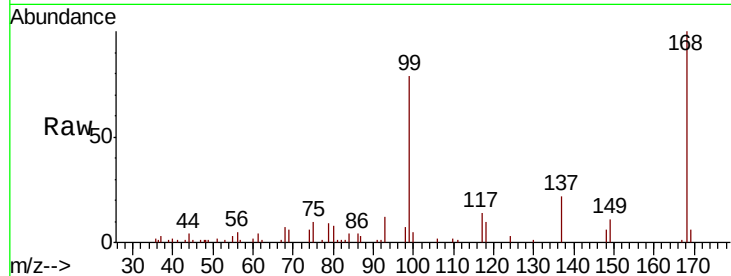




#36
 1,1-Dichloropropene
 Concen: 7.132 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012153.D
 Acq: 06 Sep 2019 17:33

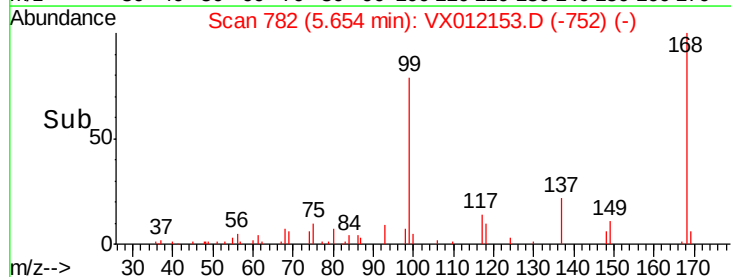
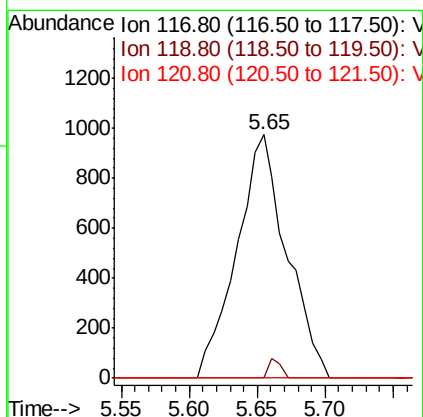
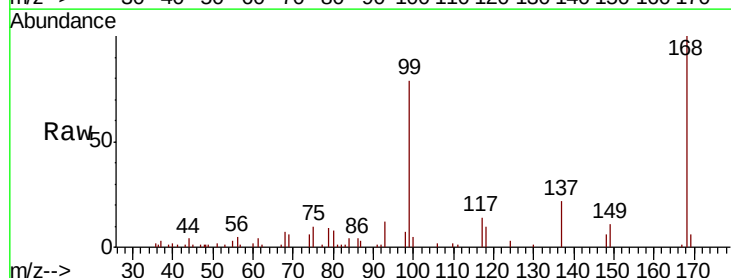
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E4-(2.7)

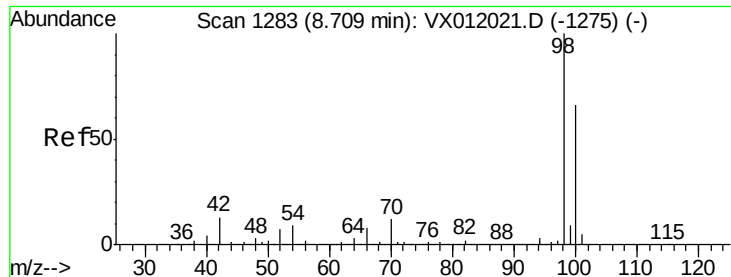
Tgt Ion: 75 Resp: 2133
 Ion Ratio Lower Upper
 75 100
 110 6.5 19.5 58.5#
 77 2.1 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.948 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012153.D
 Acq: 06 Sep 2019 17:33

Tgt Ion: 117 Resp: 2505
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.3 117.5#
 121 0.0 24.2 36.2#

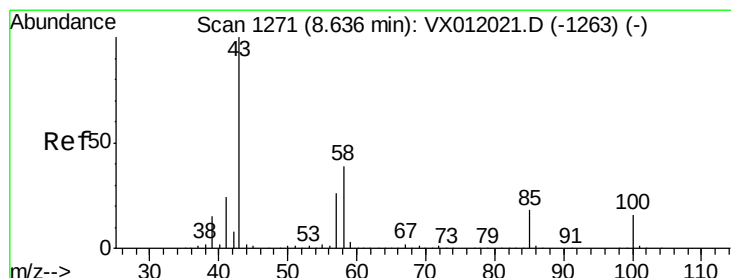
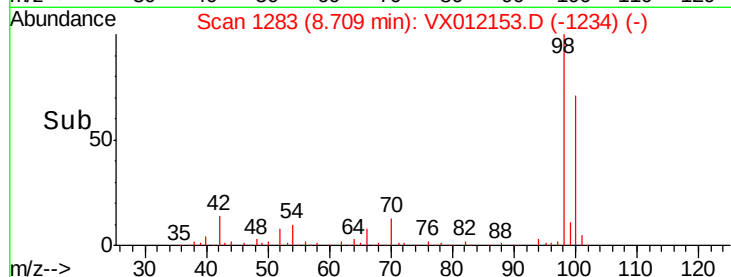
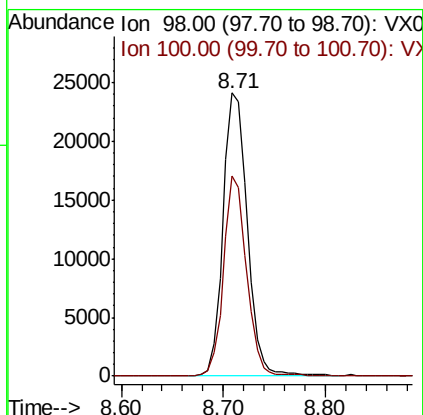
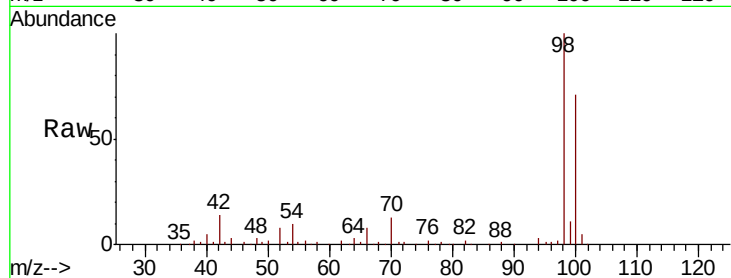




#50
Toluene-d8
Concen: 52.149 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012153.D
Acq: 06 Sep 2019 17:33

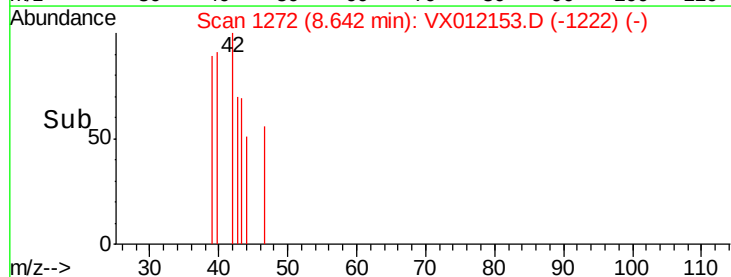
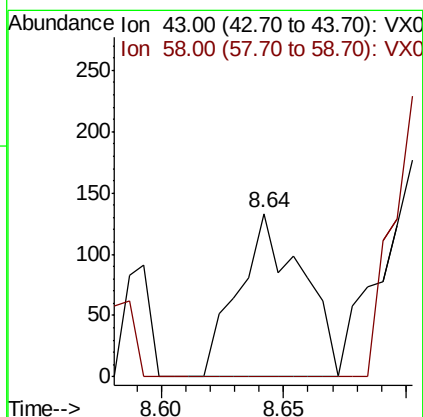
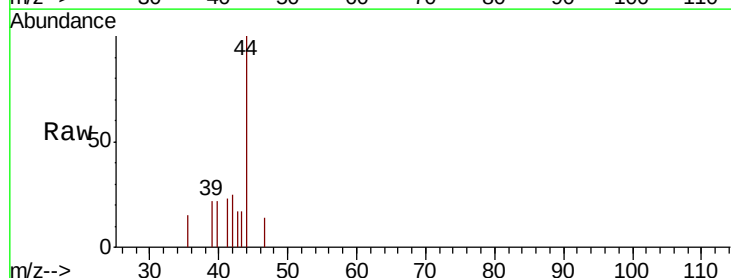
Instrument :
MSVOA_X
ClientSampled :
T12-E4-(2.7)

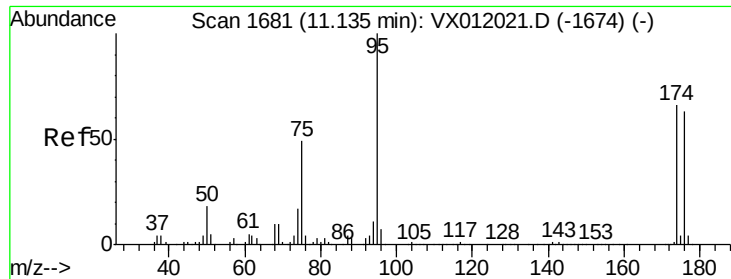
Tgt Ion: 98 Resp: 39963
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 1.427 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX012153.D
Acq: 06 Sep 2019 17:33

Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
58 0.0 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 38.759 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

T12-E4-(2.7)

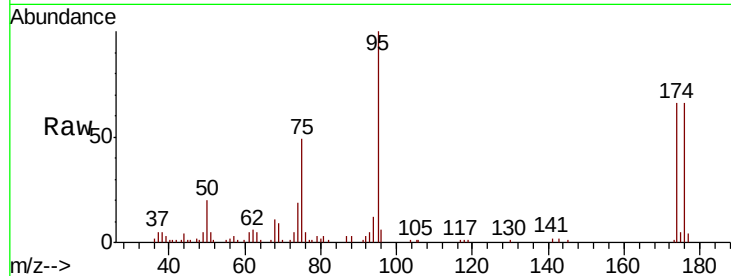
Tgt Ion: 95 Resp: 13813

Ion Ratio Lower Upper

95 100

174 61.7 0.0 205.4

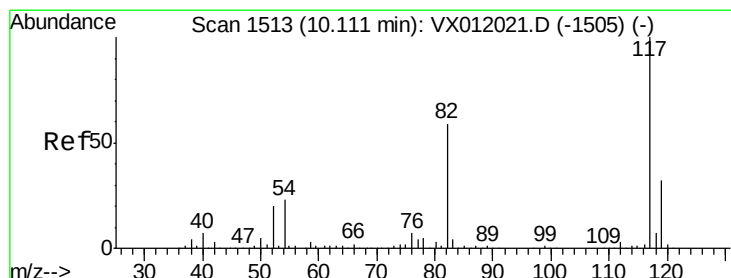
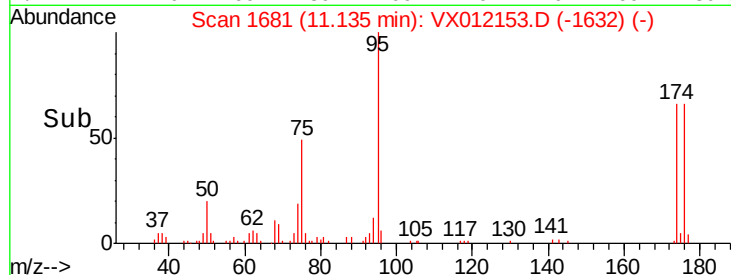
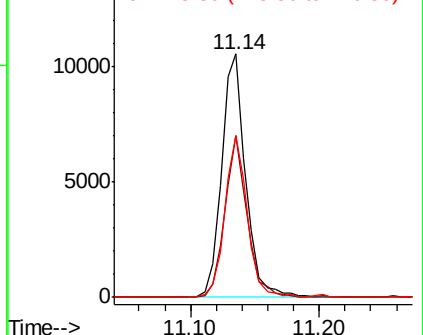
176 62.3 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012153.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012153.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012153.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

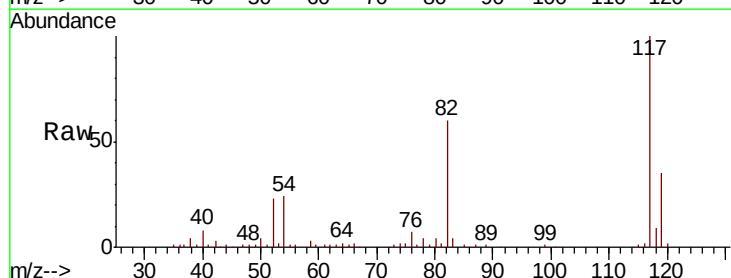
Tgt Ion: 117 Resp: 27399

Ion Ratio Lower Upper

117 100

82 59.7 39.4 59.0#

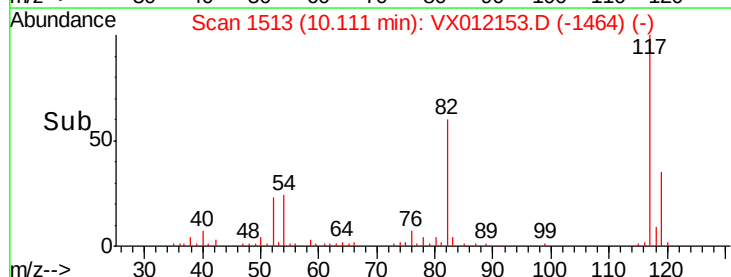
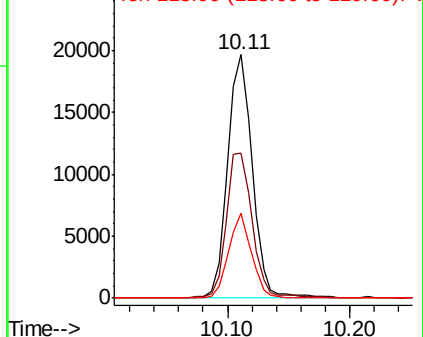
119 35.0 26.1 39.1

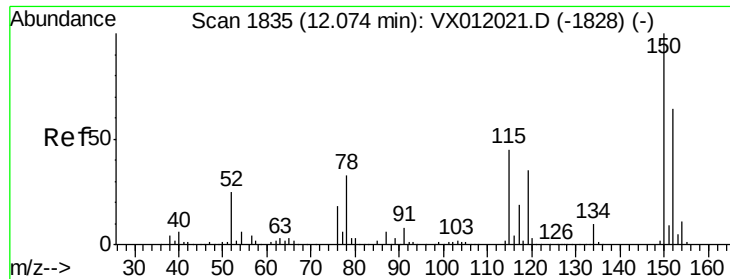


Abundance Ion 116.90 (116.60 to 117.60): VX012153.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012153.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012153.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

T12-E4-(2.7)

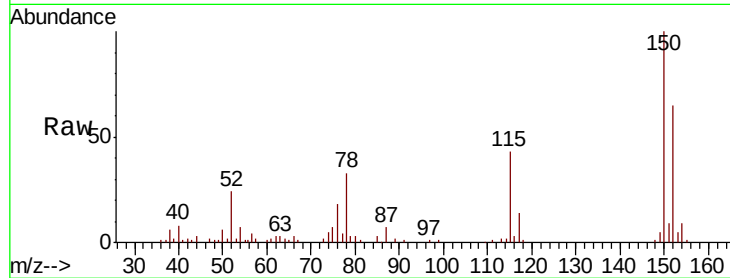
Tgt Ion:152 Resp: 9569

Ion Ratio Lower Upper

152 100

115 68.2 36.4 109.3

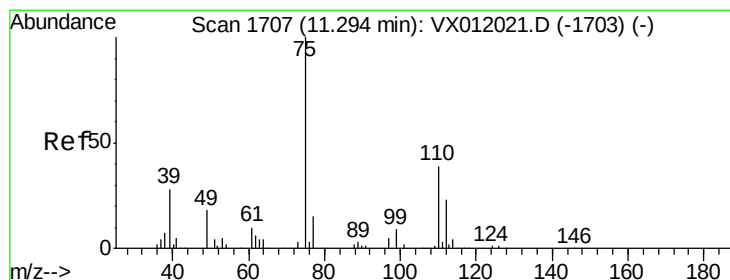
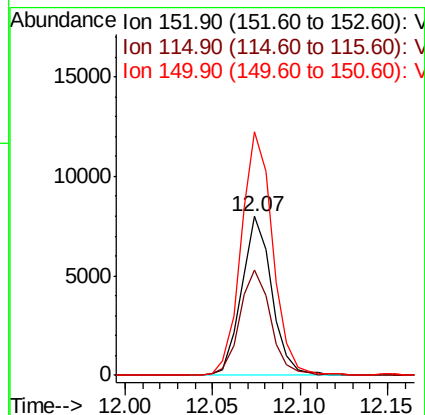
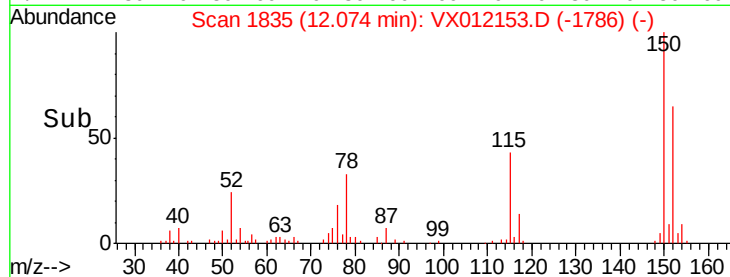
150 160.0 0.0 341.2



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: 62.197 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012153.D

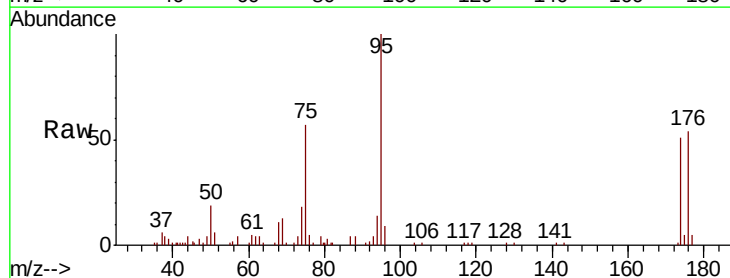
Acq: 06 Sep 2019 17:33

Tgt Ion: 75 Resp: 7272

Ion Ratio Lower Upper

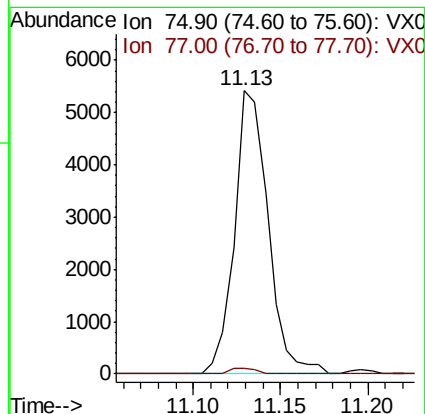
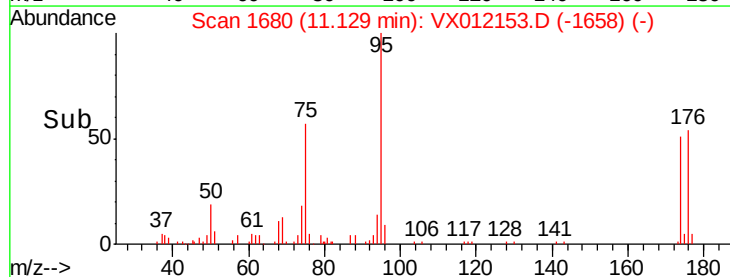
75 100

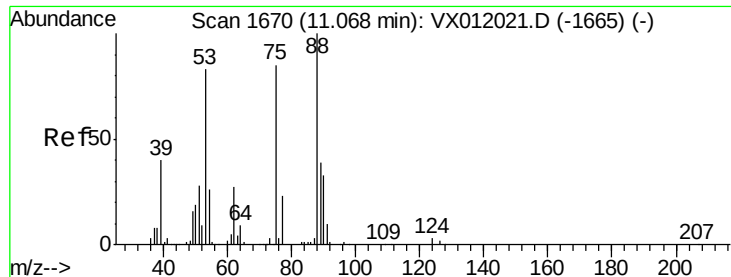
77 1.4 23.5 70.5#



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: 147.044 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012153.D

Acq: 06 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

T12-E4-(2.7)

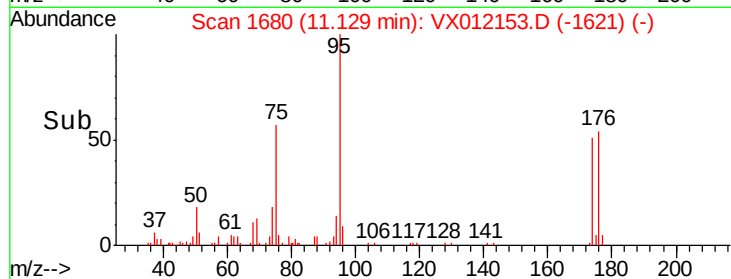
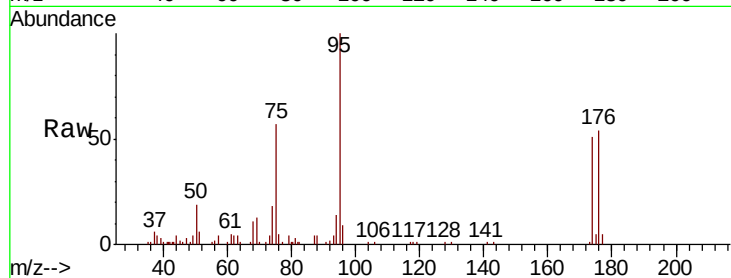
Tgt Ion: 75 Resp: 7272

Ion Ratio Lower Upper

75 100

53 0.3 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

