

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012334.D
 Acq On : 12 Sep 2019 06:58
 Operator : SY/SP
 Sample : K4694-18
 Misc : 4.22g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-4-(1.5)

Quant Time: Sep 12 07:28:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	79989	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	108956	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	5.49	113	81496	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
50) Toluene-d8	8.71	98	322066	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.14	95	109603	38.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.26%	

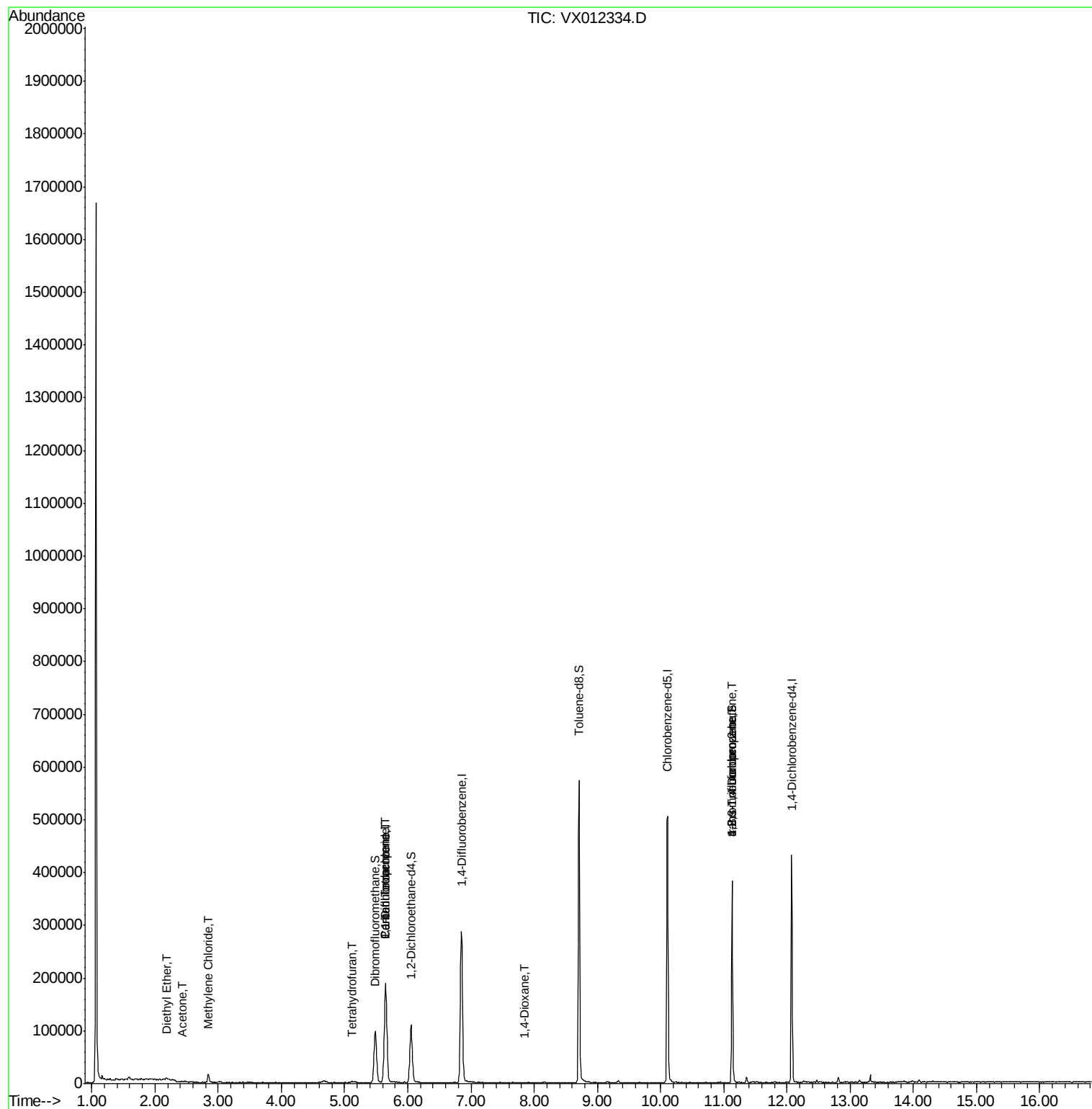
Target Compounds					Qvalue
5) Bromomethane	1.59	94	175	Below Cal	# 3
8) Diethyl Ether	2.17	74	1262	1.743	ug/l 77
11) Tert butyl alcohol	3.04	59	1893	Below Cal	# 82
16) Acetone	2.43	43	1881	3.504	ug/l # 81
20) Methylene Chloride	2.84	84	6746	1.470	ug/l 89
29) Tetrahydrofuran	5.12	42	2462	6.649	ug/l 93
36) 1,1-Dichloropropene	5.65	75	14329	7.127	ug/l # 53
38) Carbon Tetrachloride	5.65	117	18098	7.672	ug/l # 14
49) 1,4-Dioxane	7.84	88	21	1.241	ug/l # 54
76) 1,2,3-Trichloropropane	11.13	75	58600	57.027	ug/l # 38
81) trans-1,4-Dichloro-2-buten	11.13	75	58600	170.867	ug/l # 5

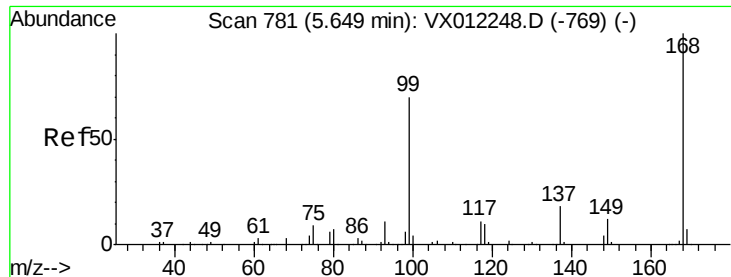
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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Quant Time: Sep 12 07:28:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 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: VX012334.D

Acq: 12 Sep 2019 06:58

Instrument :

MSVOA_X

ClientSampleId :

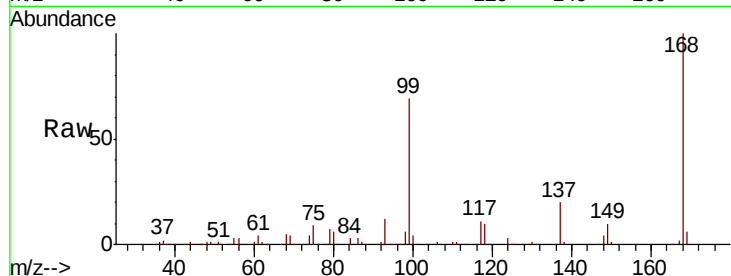
T2-4-(1.5)

Tgt Ion: 168 Resp: 160405

Ion Ratio Lower Upper

168 100

99 69.2 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

40000

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Time--> 5.50 5.60 5.70

5.65

40000

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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40000

20000

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Time--> 5.50 5.60 5.70

5.65

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Time--> 5.50 5.60 5.70

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20000

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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20000

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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20000

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Time--> 5.50 5.60 5.70

5.65

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20000

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

5.65

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Time--> 5.50 5.60 5.70

5.65

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

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20000

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Time--> 5.50 5.60 5.70

5.65

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Time--> 5.50 5.60 5.70

5.65

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Time--> 5.50 5.60 5.70

5.65

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20000

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Time--> 5.50 5.60 5.70

5.65

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

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Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70

5.65

40000

20000

0

Time--> 5.50 5.60 5.70



#8

Diethyl Ether

Concen: 1.743 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012334.D

Acq: 12 Sep 2019 06:58

Instrument :

MSVOA_X

ClientSampleId :

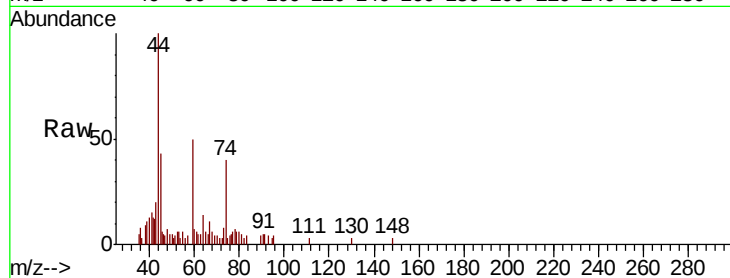
T2-4-(1.5)

Tgt Ion: 74 Resp: 1262

Ion Ratio Lower Upper

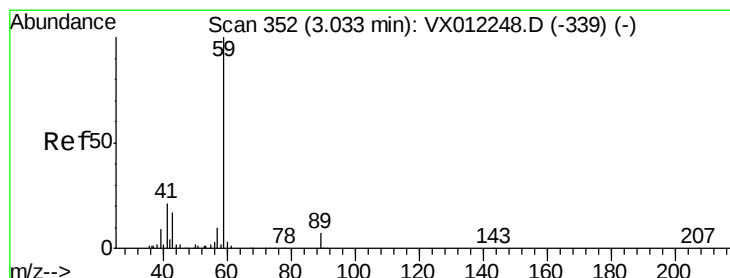
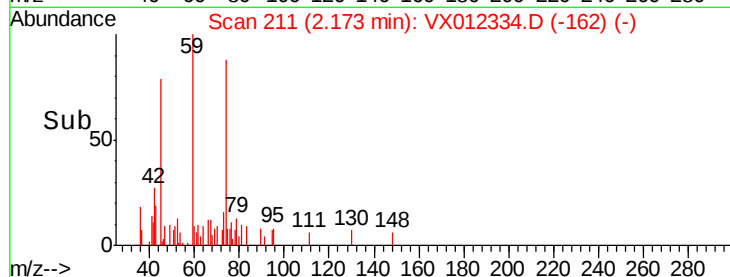
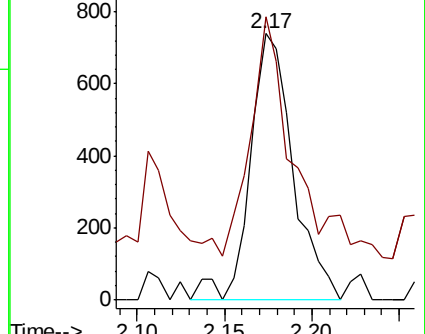
74 100

45 125.7 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.04 min Scan# 353

Delta R.T. 0.01 min

Lab File: VX012334.D

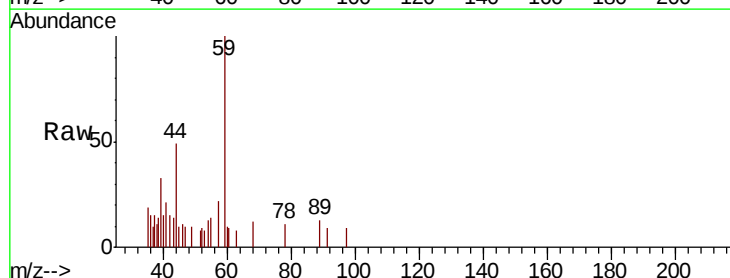
Acq: 12 Sep 2019 06:58

Tgt Ion: 59 Resp: 1893

Ion Ratio Lower Upper

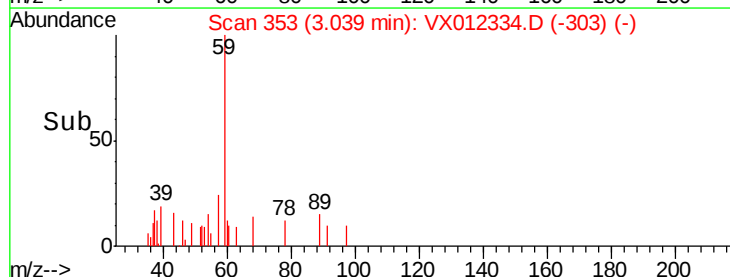
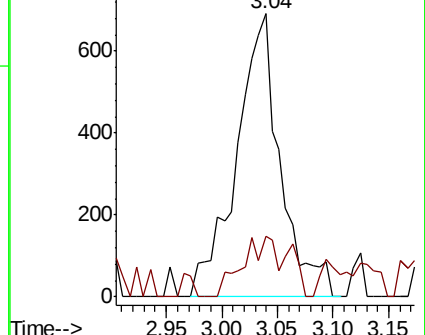
59 100

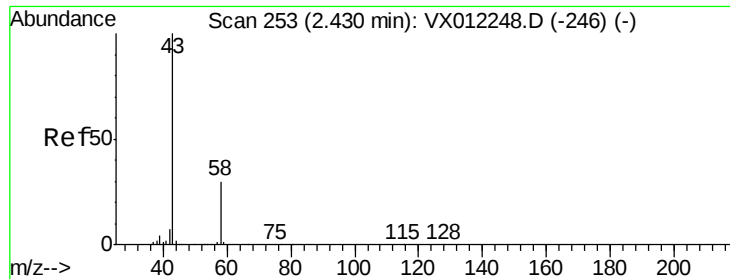
57 16.3 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.504 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012334.D

Acq: 12 Sep 2019 06:58

Instrument :

MSVOA_X

ClientSampleId :

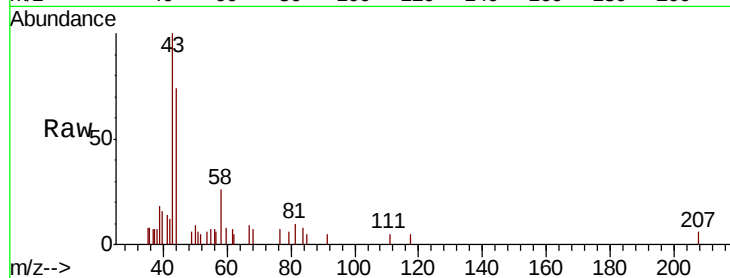
T2-4-(1.5)

Tgt Ion: 43 Resp: 1881

Ion Ratio Lower Upper

43 100

58 19.1 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

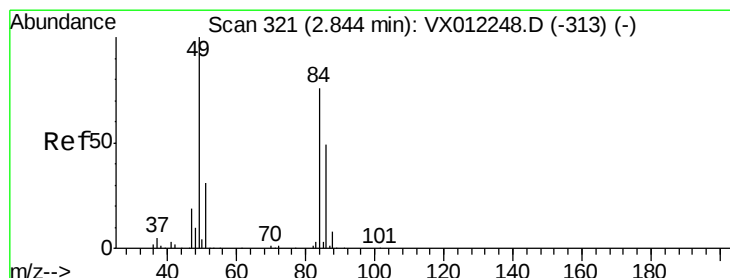
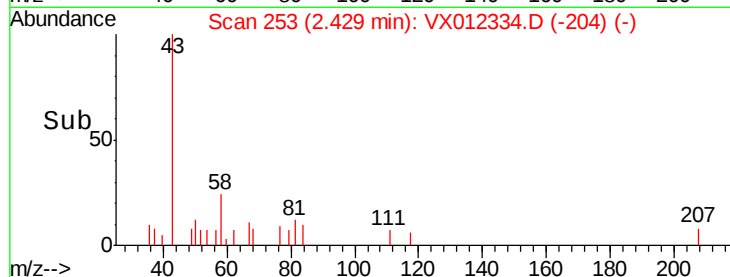
400

200

0

2.35 2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 1.470 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012334.D

Acq: 12 Sep 2019 06:58

Tgt Ion: 84 Resp: 6746

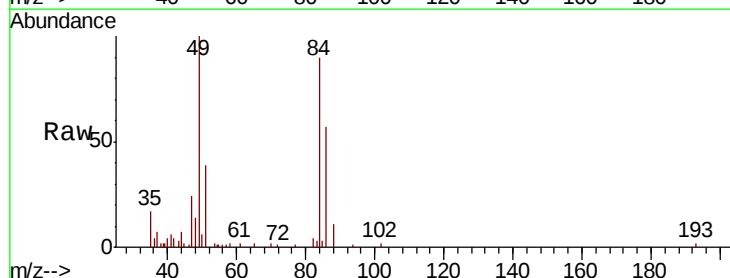
Ion Ratio Lower Upper

84 100

49 109.9 105.0 157.6

51 42.0 32.6 48.8

86 63.4 51.8 77.6



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

6000

5000

4000

3000

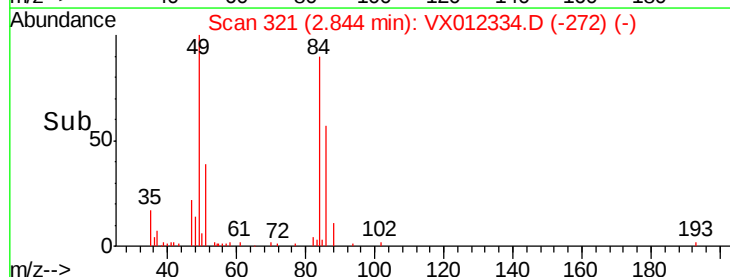
2000

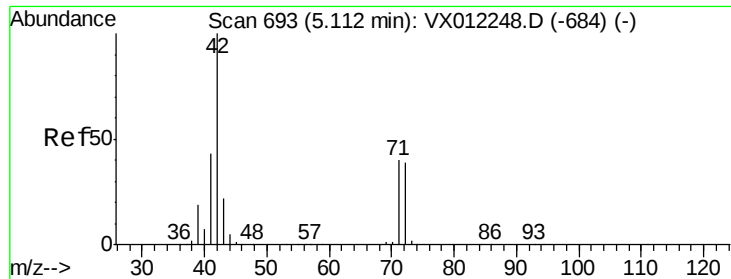
1000

0

2.80 2.85 2.90

Time-->





#29

Tetrahydrofuran

Concen: 6.649 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012334.D

Acq: 12 Sep 2019 06:58

Instrument :

MSVOA_X

ClientSampled :

T2-4-(1.5)

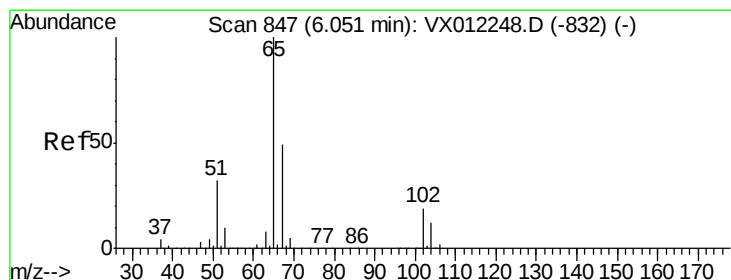
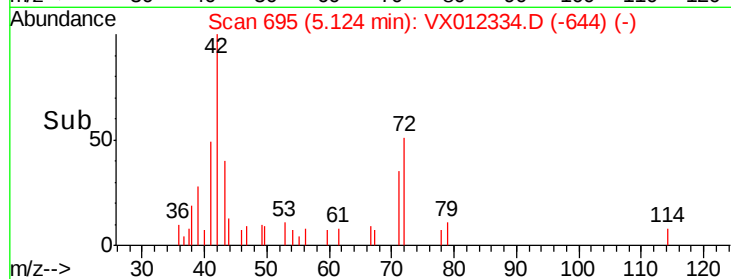
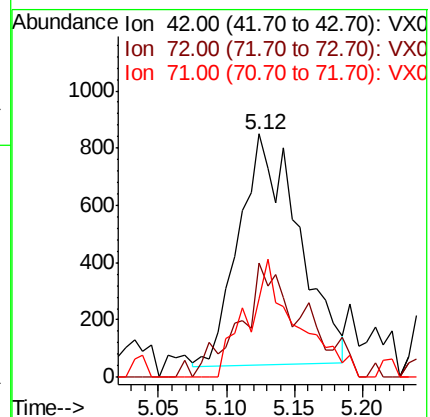
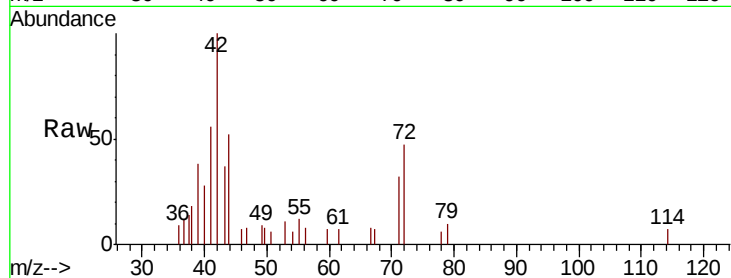
Tgt Ion: 42 Resp: 2462

Ion Ratio Lower Upper

42 100

72 37.2 35.2 52.8

71 42.7 32.5 48.7



#33

1,2-Dichloroethane-d4

Concen: 48.045 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012334.D

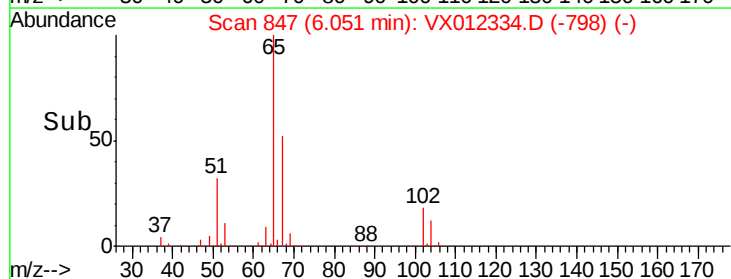
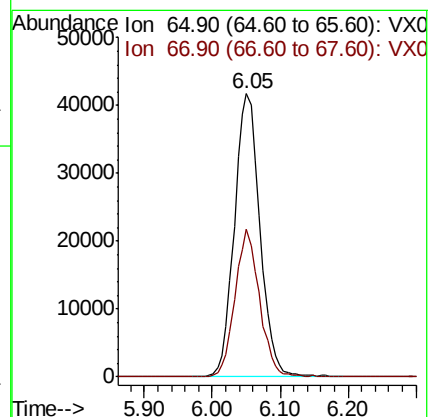
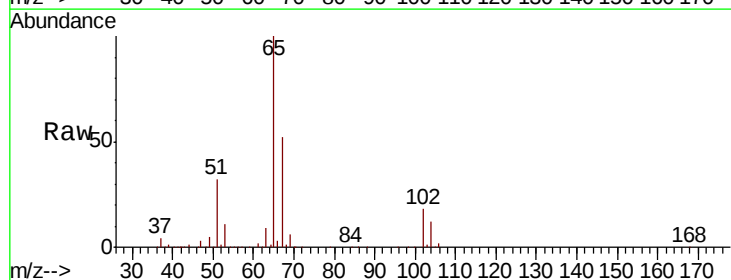
Acq: 12 Sep 2019 06:58

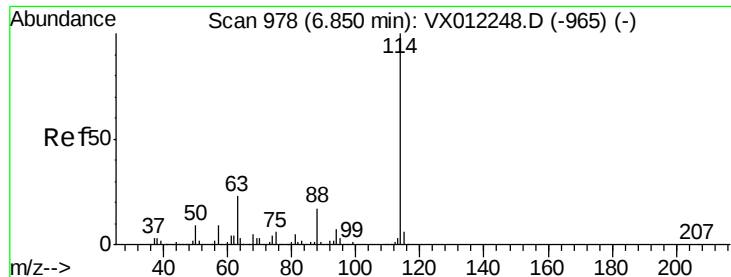
Tgt Ion: 65 Resp: 108956

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012334.D

Acq: 12 Sep 2019 06:58

Instrument :

MSVOA_X

ClientSampleId :

T2-4-(1.5)

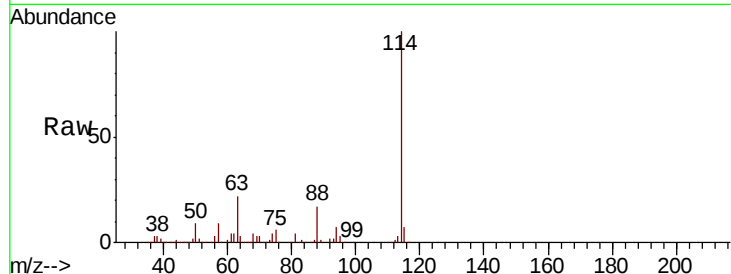
Tgt Ion:114 Resp: 275736

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.2

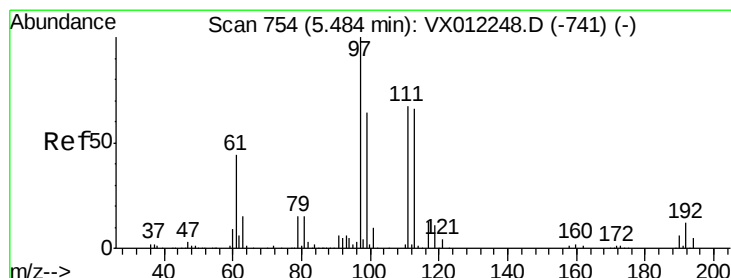
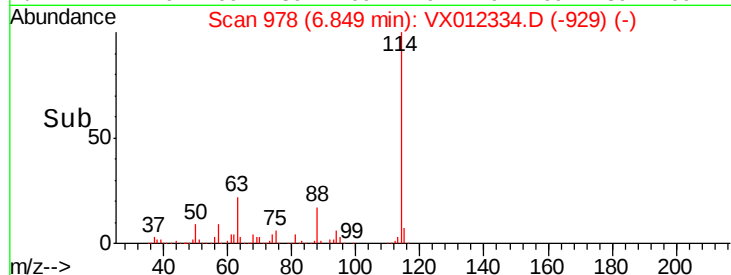
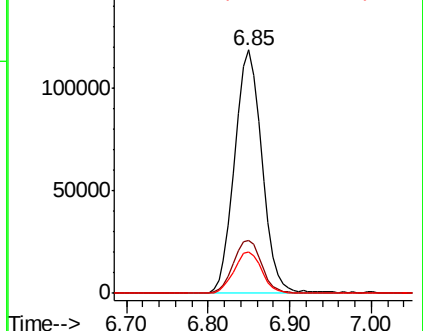
88 17.1 0.0 34.8



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: 46.106 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012334.D

Acq: 12 Sep 2019 06:58

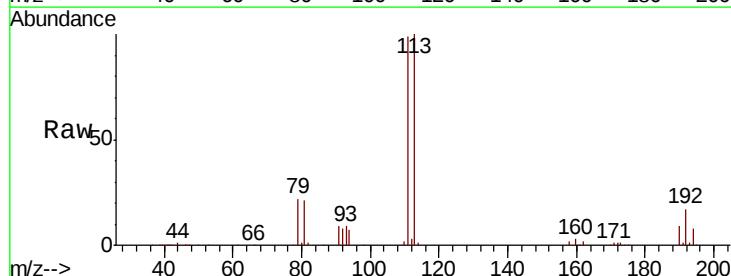
Tgt Ion:113 Resp: 81496

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

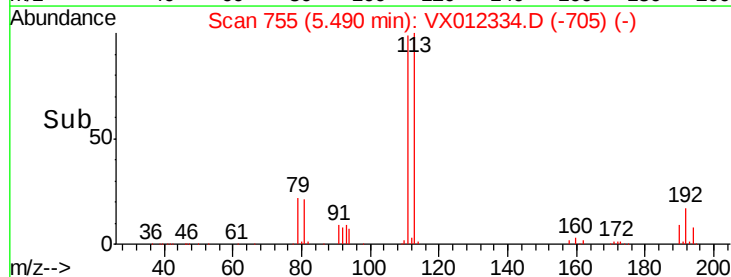
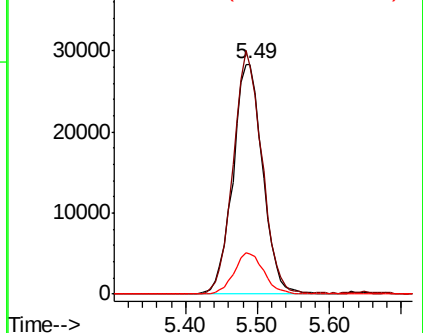
192 18.0 14.3 21.5

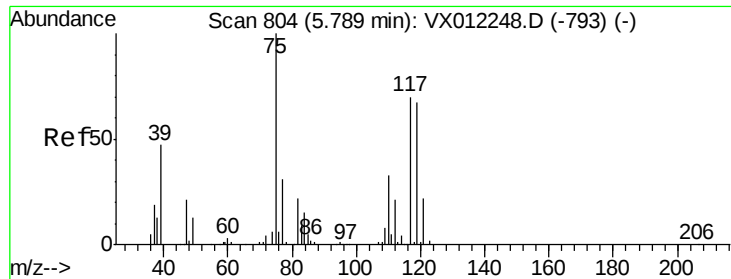


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

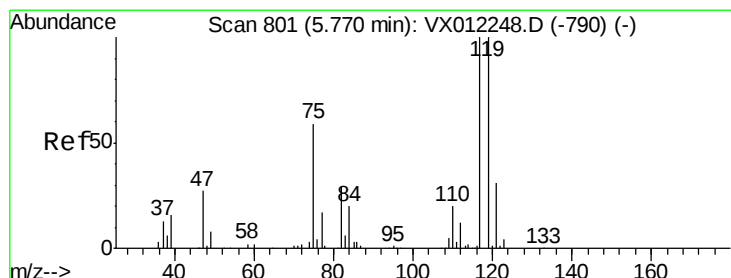
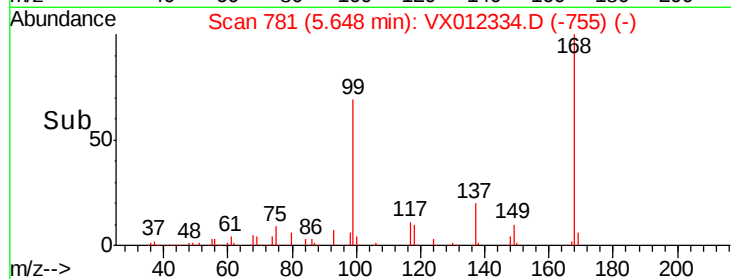
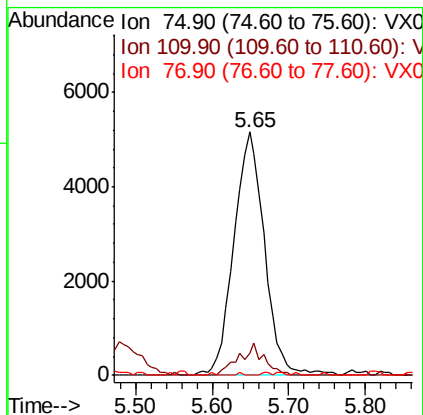
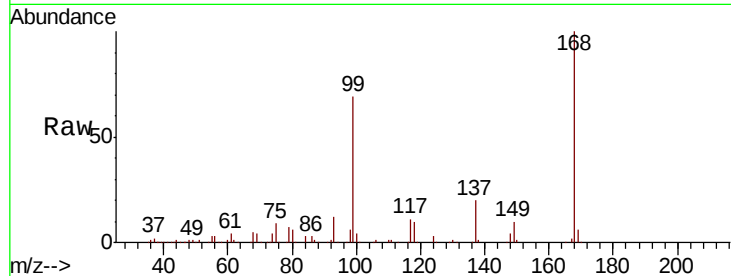




#36
 1,1-Dichloropropene
 Concen: 7.127 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012334.D
 Acq: 12 Sep 2019 06:58

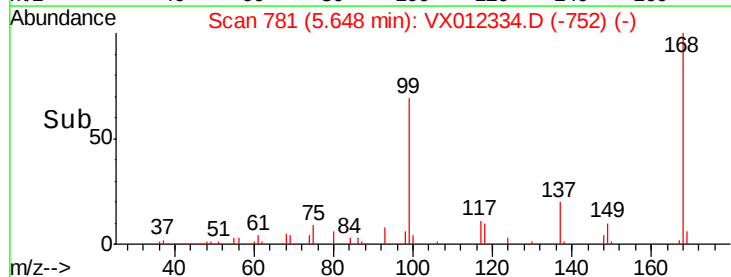
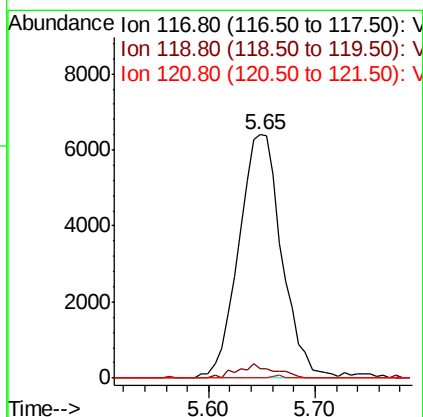
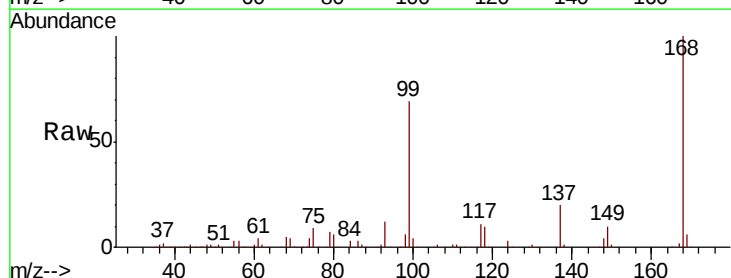
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-4-(1.5)

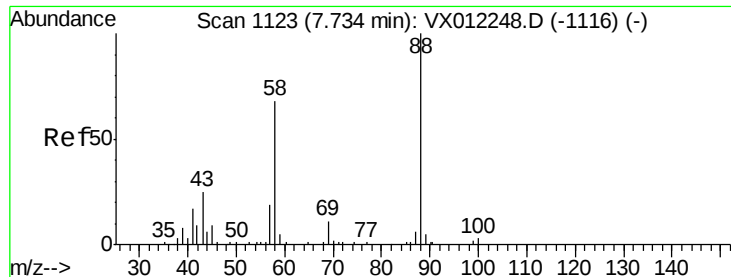
Tgt Ion: 75 Resp: 14329
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.8 50.4#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.672 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012334.D
 Acq: 12 Sep 2019 06:58

Tgt Ion: 117 Resp: 18098
 Ion Ratio Lower Upper
 117 100
 119 4.1 79.6 119.4#
 121 0.0 24.7 37.1#

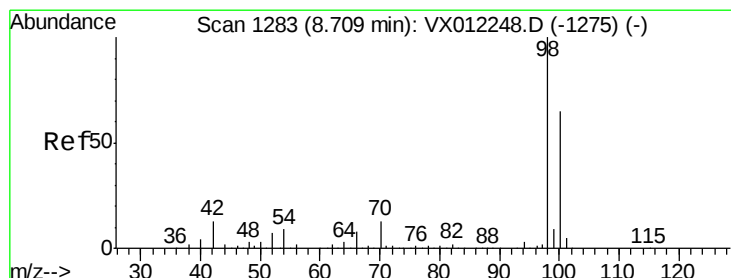
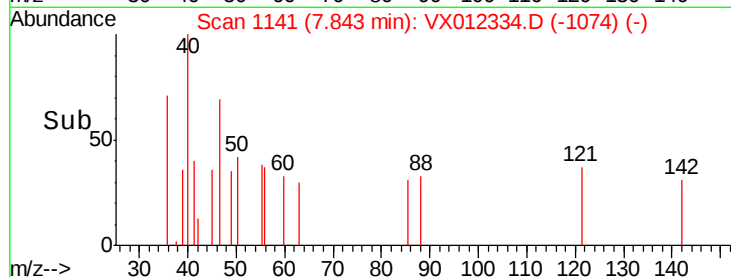
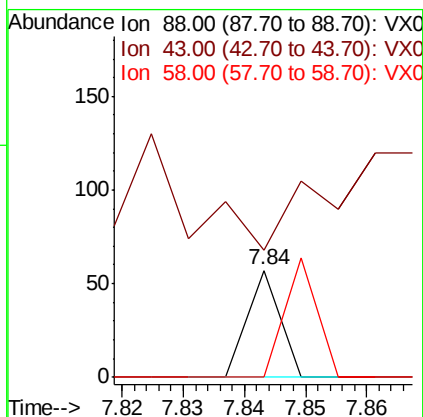
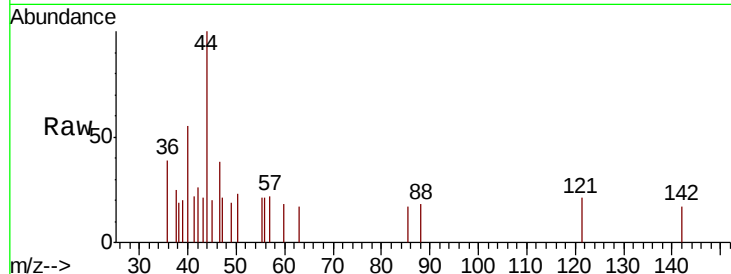




#49
1,4-Dioxane
Concen: 1.241 ug/l
RT: 7.84 min Scan# 1141
Delta R.T. 0.11 min
Lab File: VX012334.D
Acq: 12 Sep 2019 06:58

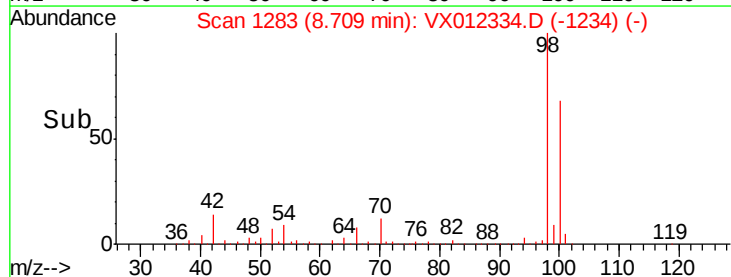
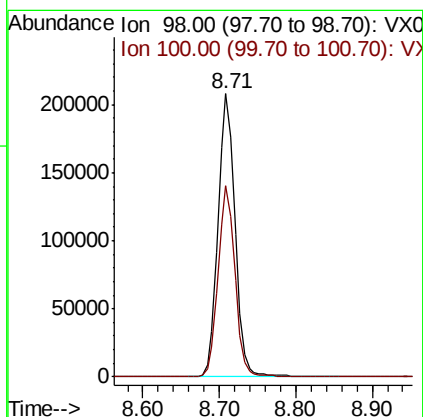
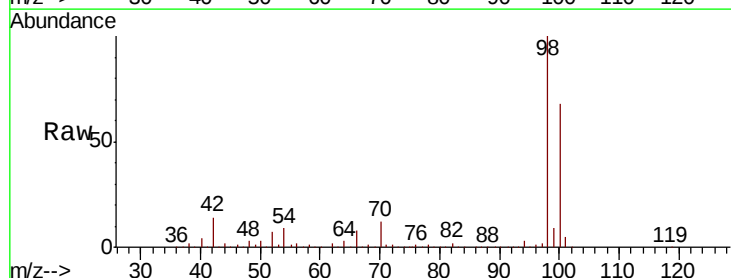
Instrument :
MSVOA_X
ClientSampled :
T2-4-(1.5)

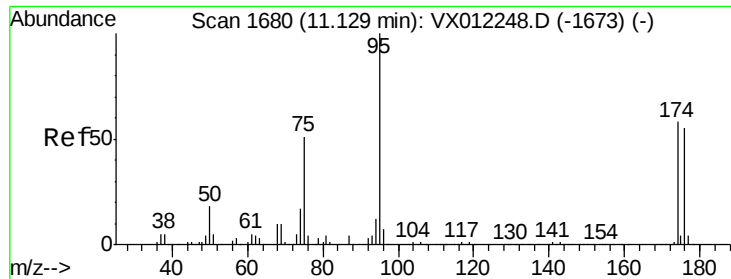
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 109.5 61.5 92.3#



#50
Toluene-d8
Concen: 51.950 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012334.D
Acq: 12 Sep 2019 06:58

Tgt Ion: 98 Resp: 322066
Ion Ratio Lower Upper
98 100
100 66.7 54.1 81.1

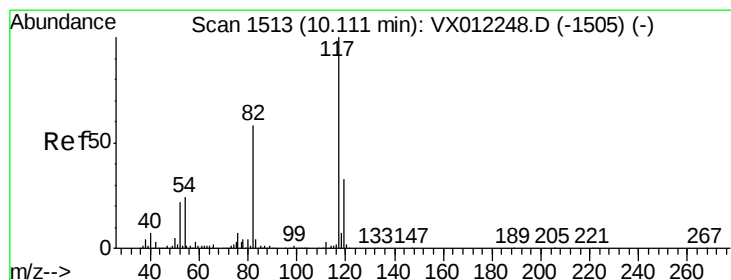
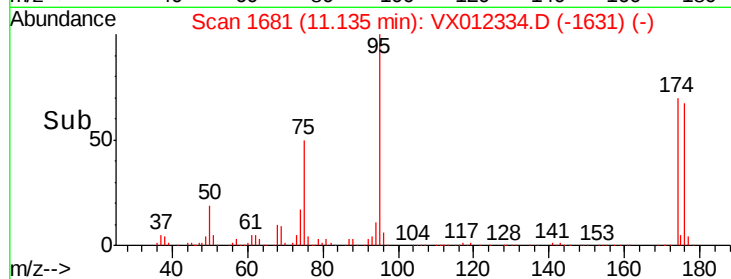
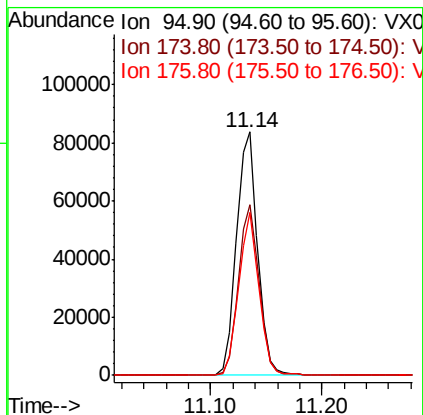
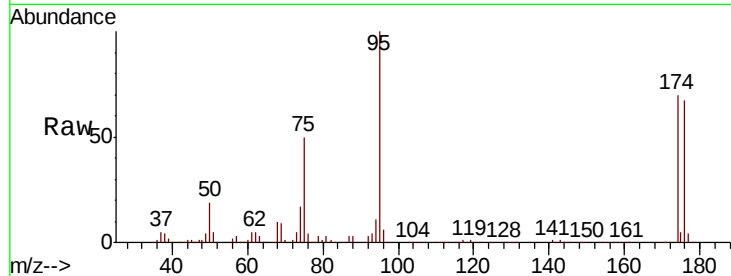




#62
4-Bromofluorobenzene
Concen: 38.134 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012334.D
Acq: 12 Sep 2019 06:58

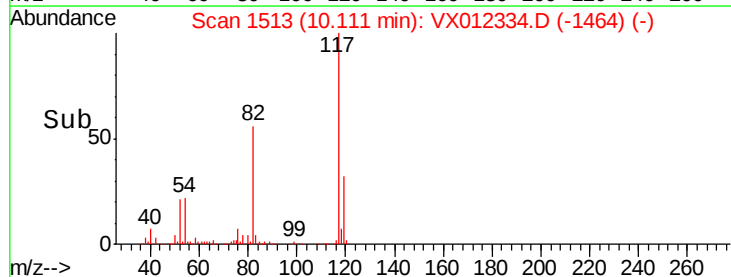
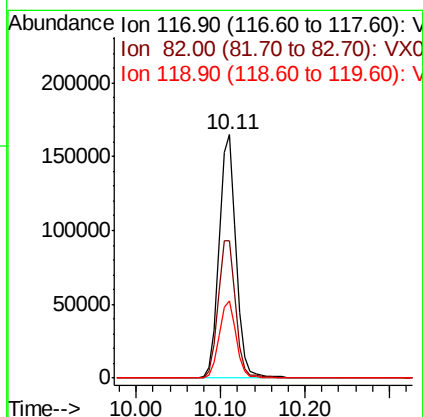
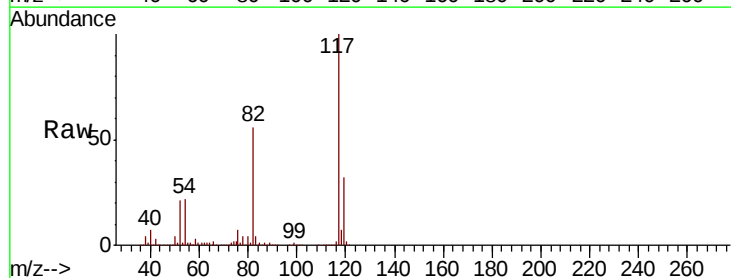
Instrument :
MSVOA_X
ClientSampleId :
T2-4-(1.5)

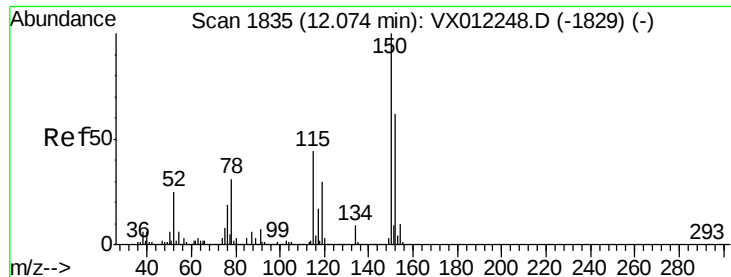
Tgt Ion: 95 Resp: 109603
Ion Ratio Lower Upper
95 100
174 69.2 0.0 127.0
176 64.5 0.0 125.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012334.D
Acq: 12 Sep 2019 06:58

Tgt Ion: 117 Resp: 229811
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.6 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012334.D

Acq: 12 Sep 2019 06:58

Instrument :

MSVOA_X

ClientSampled :

T2-4-(1.5)

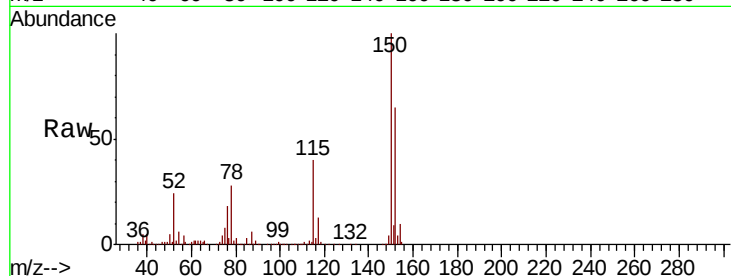
Tgt Ion:152 Resp: 79989

Ion Ratio Lower Upper

152 100

115 65.4 45.5 136.4

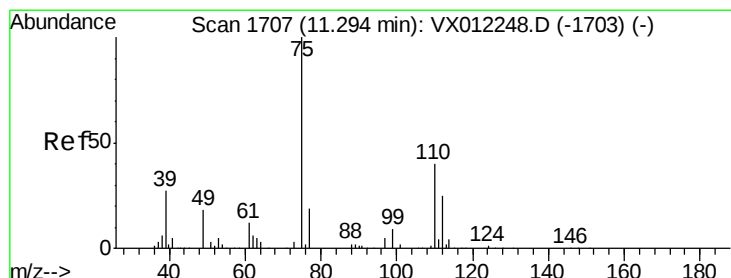
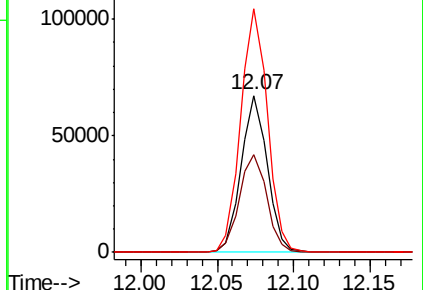
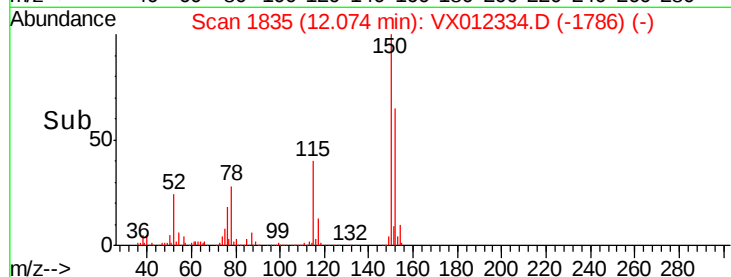
150 158.9 0.0 346.4



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: 57.027 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012334.D

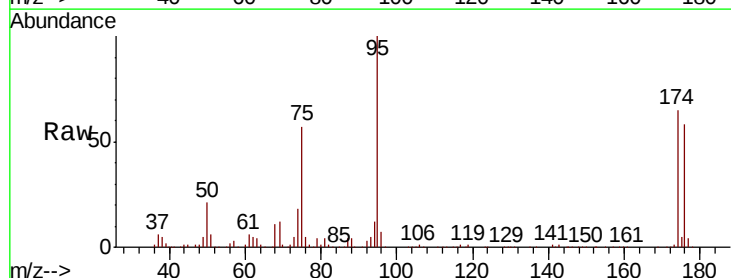
Acq: 12 Sep 2019 06:58

Tgt Ion: 75 Resp: 58600

Ion Ratio Lower Upper

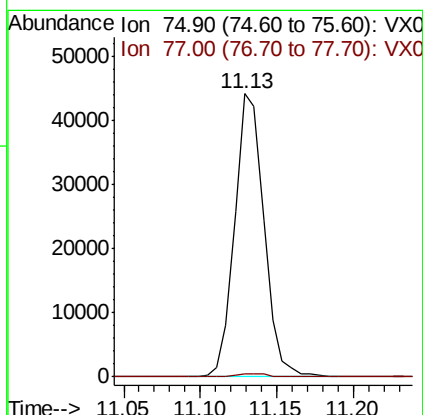
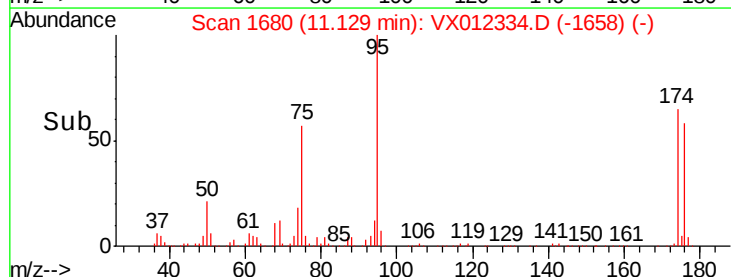
75 100

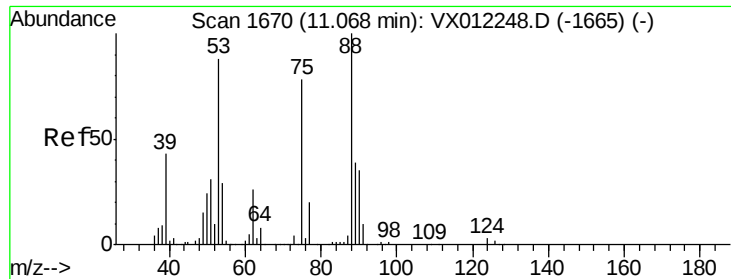
77 1.3 19.7 59.0#



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: 170.867 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012334.D

Acq: 12 Sep 2019 06:58

Instrument :

MSVOA_X

ClientSampleId :

T2-4-(1.5)

Tgt Ion: 75 Resp: 58600

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 43.5 65.3#

