

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012076.D
 Acq On : 05 Sep 2019 03:21
 Operator : SY/SP
 Sample : K4546-17
 Misc : 4.66g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B3-(0)

Quant Time: Sep 05 05:30:12 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	155452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270188	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88847	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	104939	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
35) Dibromofluoromethane	5.48	113	81136	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	8.71	98	318578	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.14	95	118273	41.71	ug/l	0.00
Spiked Amount			Recovery	=	83.42%	

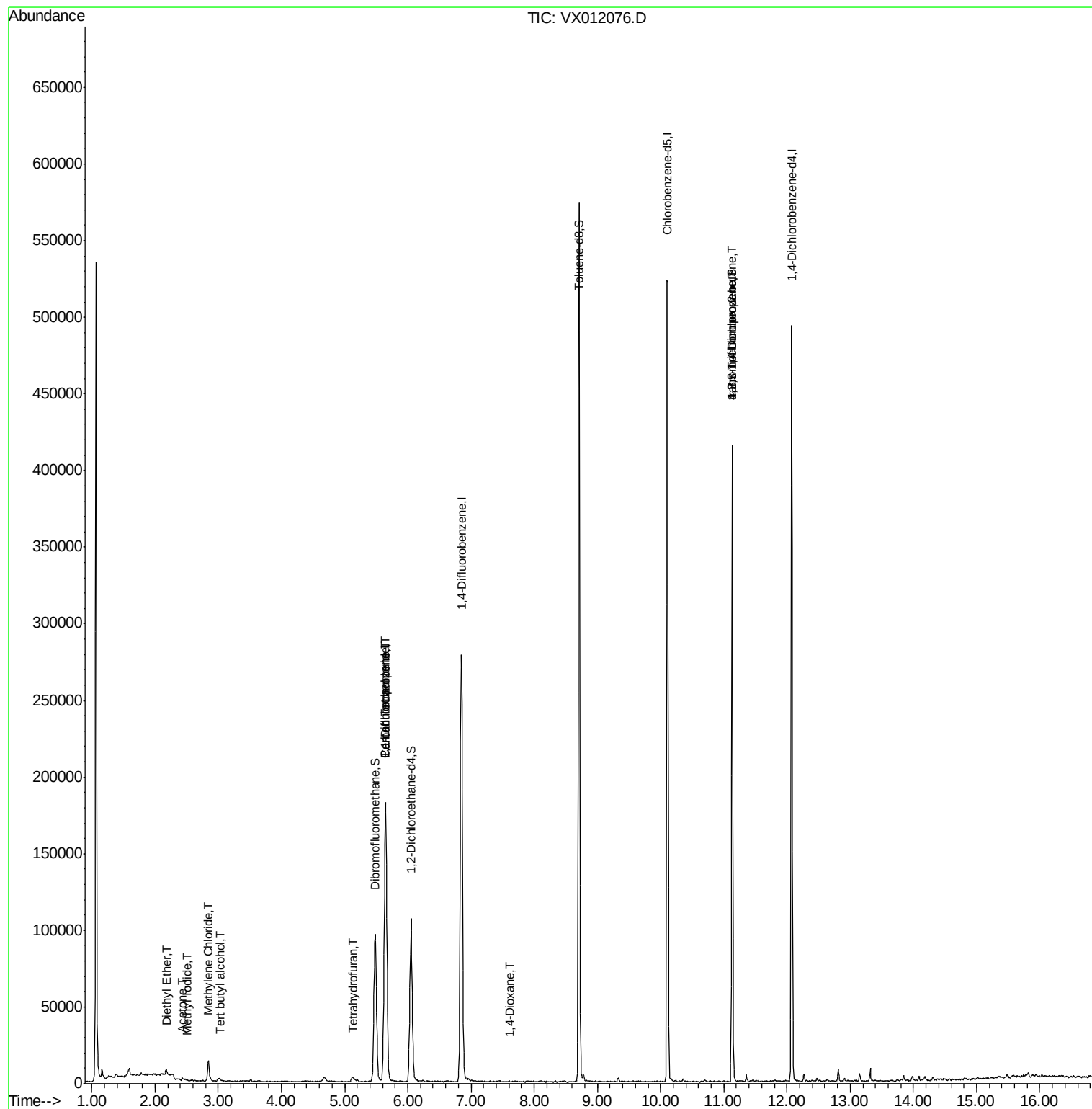
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	1317	1.776	ug/l	92
10) Methyl Iodide	2.50	142	92	7.037	ug/l #	89
11) Tert butyl alcohol	3.03	59	2196	10.659	ug/l	100
13) Acrolein	2.27	56	76	Below Cal	#	12
16) Acetone	2.43	43	1235	2.409	ug/l #	83
20) Methylene Chloride	2.84	84	6279	3.050	ug/l	91
29) Tetrahydrofuran	5.13	42	2490	6.333	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	14621	6.144	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18197	7.257	ug/l #	15
49) 1,4-Dioxane	7.62	88	22	1.220	ug/l #	23
76) 1,2,3-Trichloropropane	11.14	75	60740	55.952	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	60740	132.279	ug/l #	10

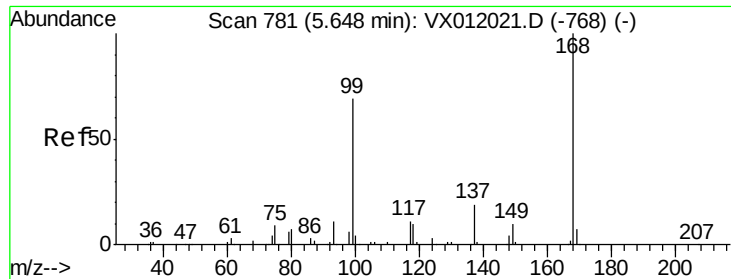
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
Data File : VX012076.D
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Quant Title : SW846 8260
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# 782

Delta R.T. 0.01 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

Instrument :

MSVOA_X

ClientSampleId :

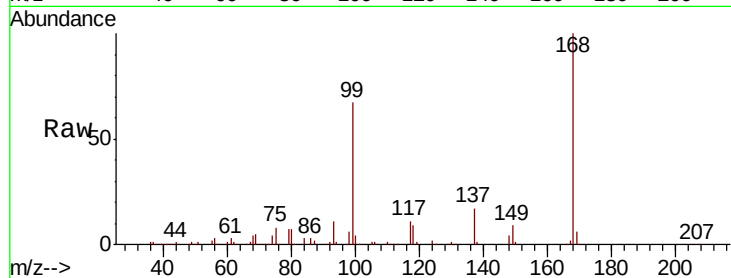
T3-S-B3-(0)

Tgt Ion:168 Resp: 155452

Ion Ratio Lower Upper

168 100

99 67.2 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

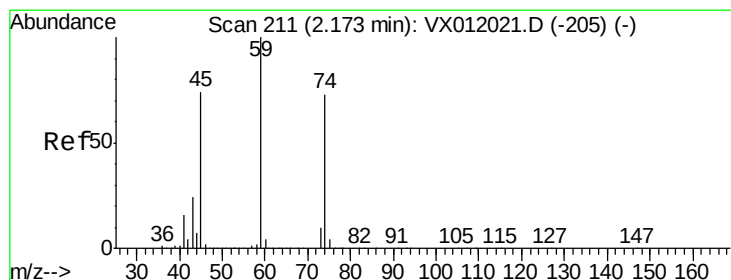
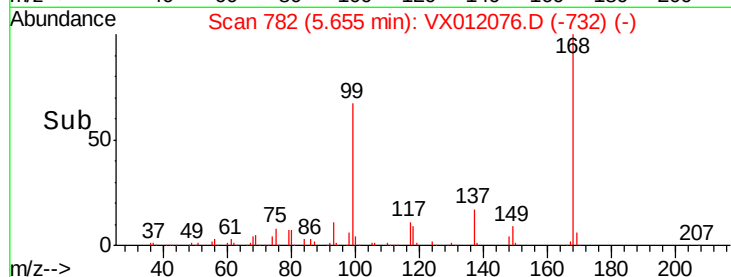
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.776 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012076.D

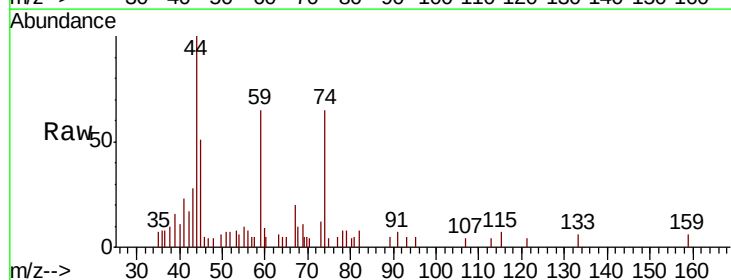
Acq: 05 Sep 2019 03:21

Tgt Ion: 74 Resp: 1317

Ion Ratio Lower Upper

74 100

45 84.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

600

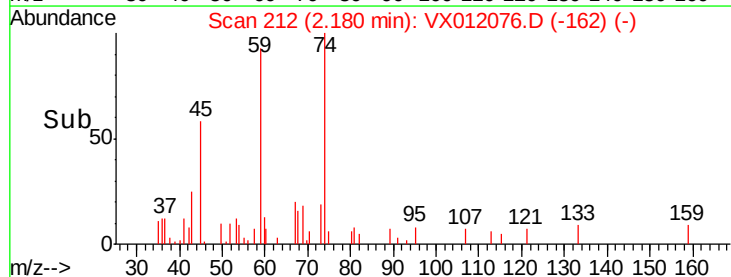
400

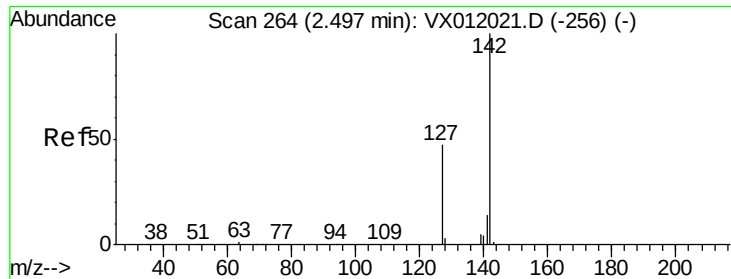
200

0

Time-->

2.10 2.15 2.20 2.25

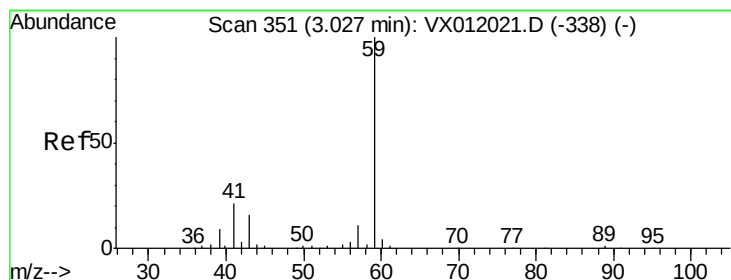
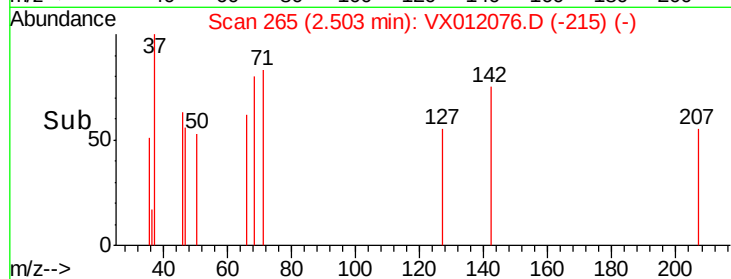
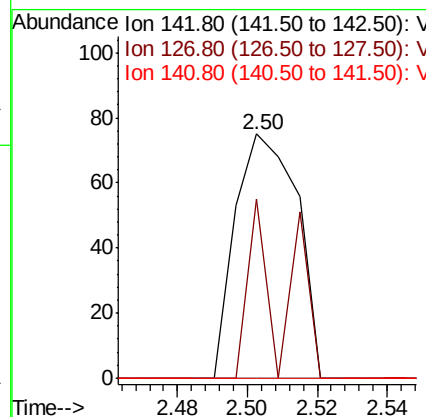
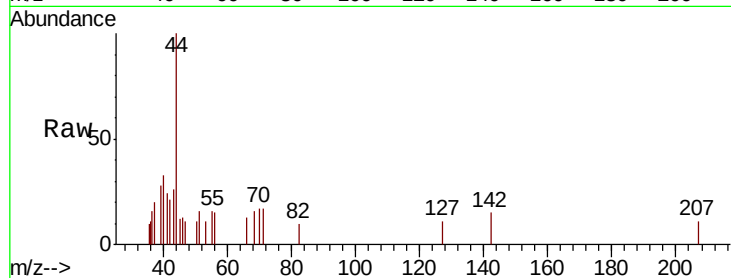




#10
Methyl Iodide
Concen: 7.037 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012076.D
Acq: 05 Sep 2019 03:21

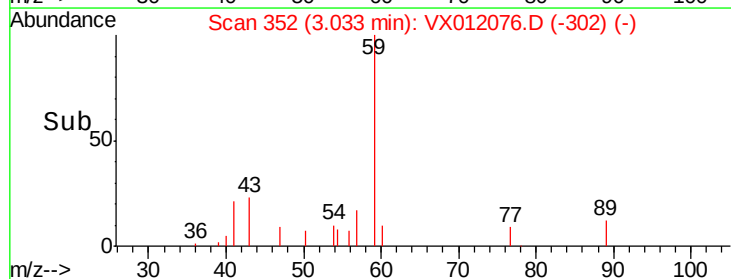
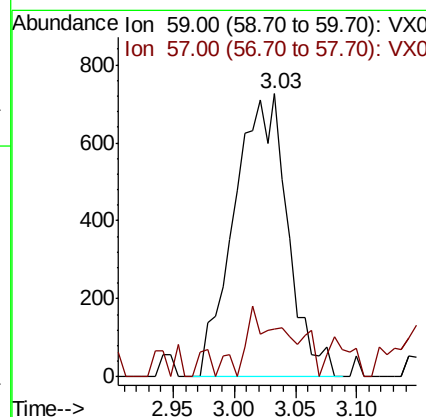
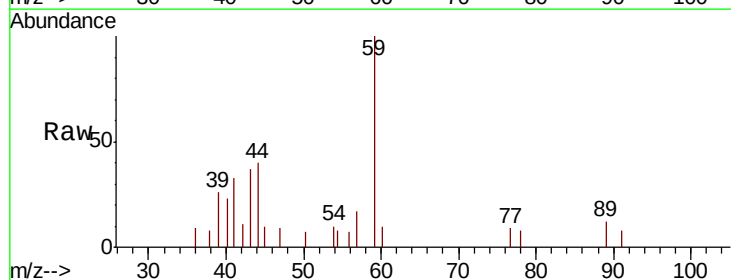
Instrument :
MSVOA_X
ClientSampled :
T3-S-B3-(0)

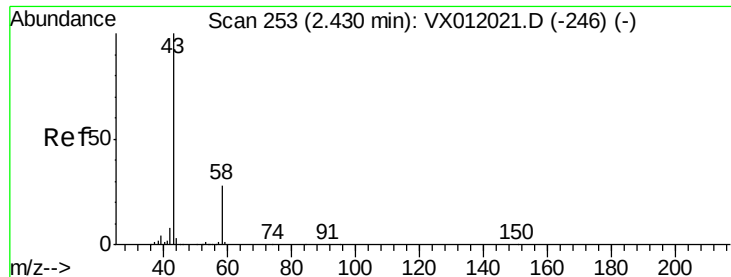
Tgt Ion: 142 Resp: 92
Ion Ratio Lower Upper
142 100
127 42.4 35.4 53.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.659 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012076.D
Acq: 05 Sep 2019 03:21

Tgt Ion: 59 Resp: 2196
Ion Ratio Lower Upper
59 100
57 9.9 7.9 11.9





#16

Acetone

Concen: 2.409 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

Instrument :

MSVOA_X

ClientSampleId :

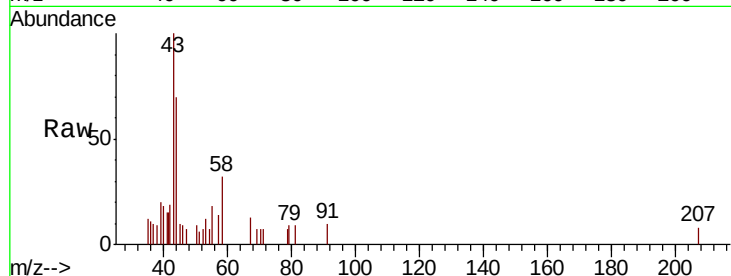
T3-S-B3-(0)

Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

43 100

58 37.4 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

800

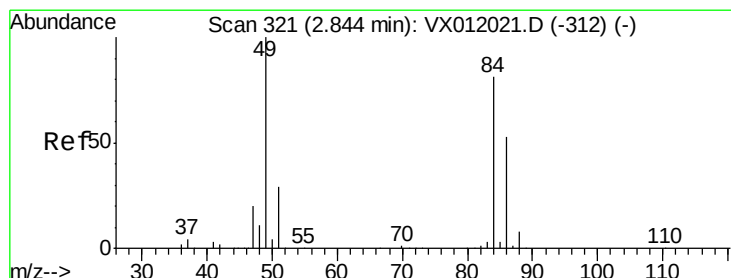
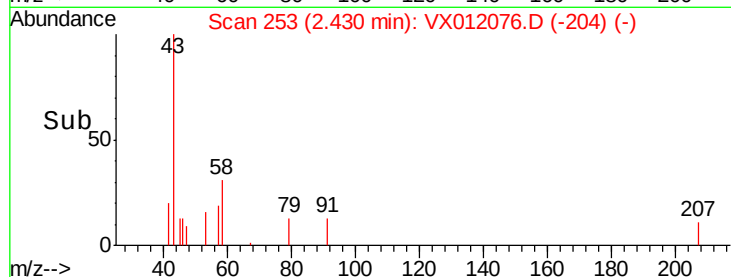
600

400

200

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 3.050 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

Tgt Ion: 84 Resp: 6279

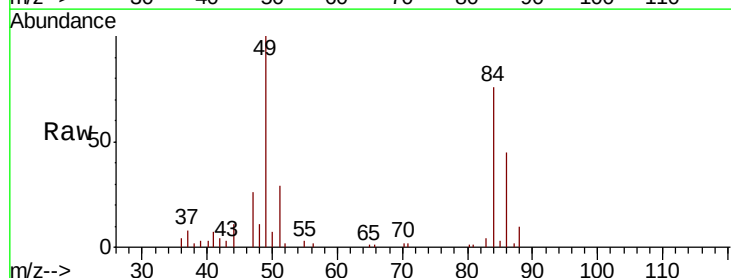
Ion Ratio Lower Upper

84 100

49 132.0 95.8 143.8

51 38.8 28.6 43.0

86 58.9 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

6000

5000

4000

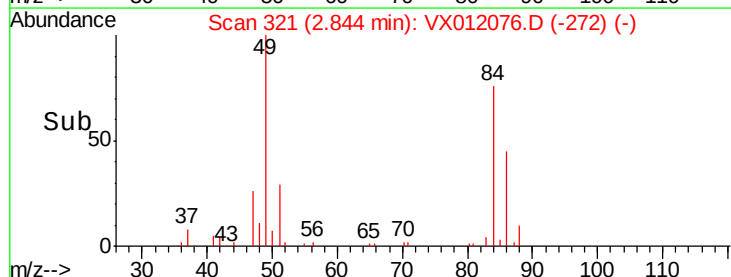
3000

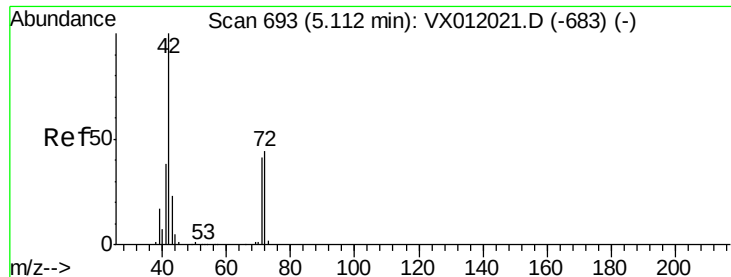
2000

1000

0

Time--> 2.75 2.80 2.85 2.90 2.95





#29

Tetrahydrofuran

Concen: 6.333 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B3-(0)

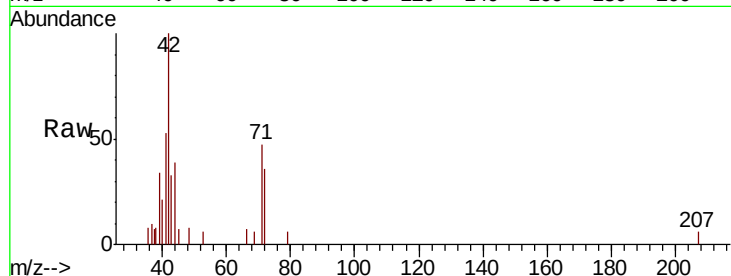
Tgt Ion: 42 Resp: 2490

Ion Ratio Lower Upper

42 100

72 51.7 37.0 55.4

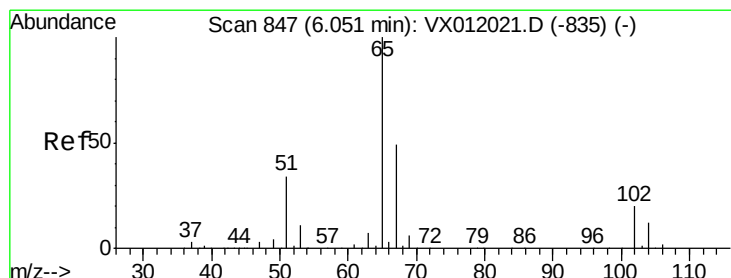
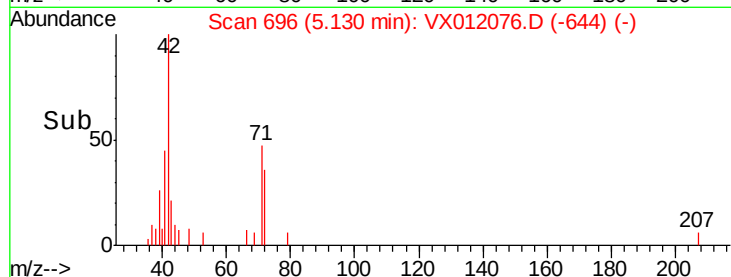
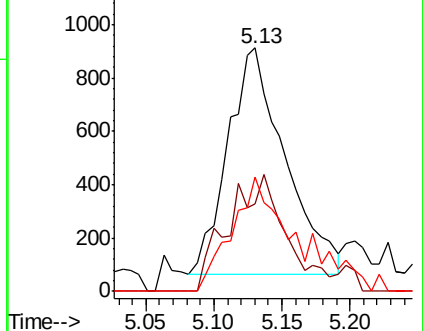
71 56.6 33.8 50.8#



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



#33

1,2-Dichloroethane-d4

Concen: 48.924 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012076.D

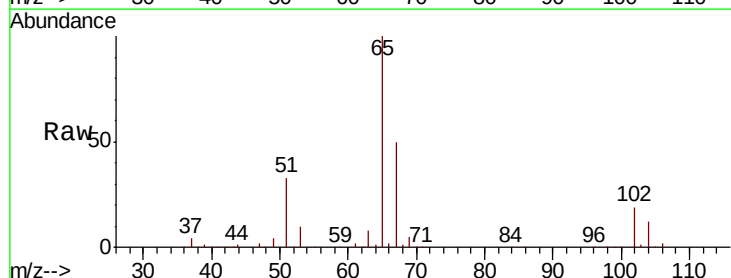
Acq: 05 Sep 2019 03:21

Tgt Ion: 65 Resp: 104939

Ion Ratio Lower Upper

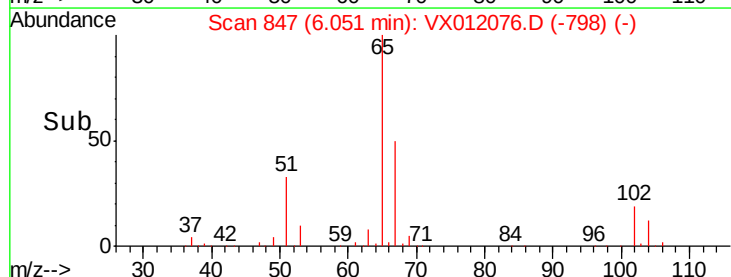
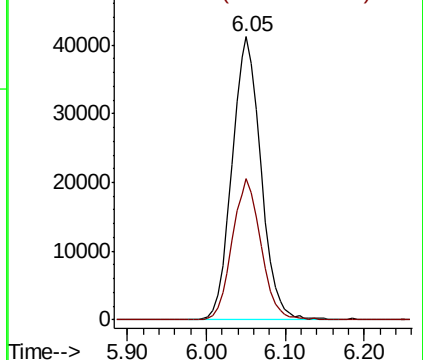
65 100

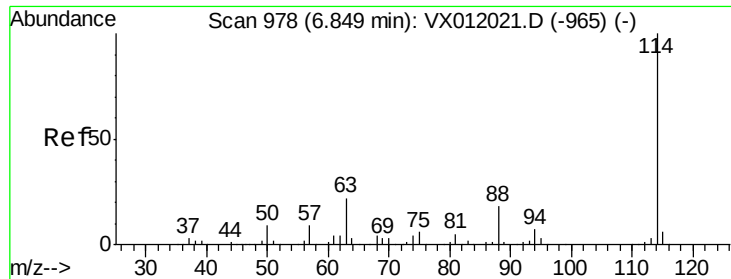
67 49.7 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

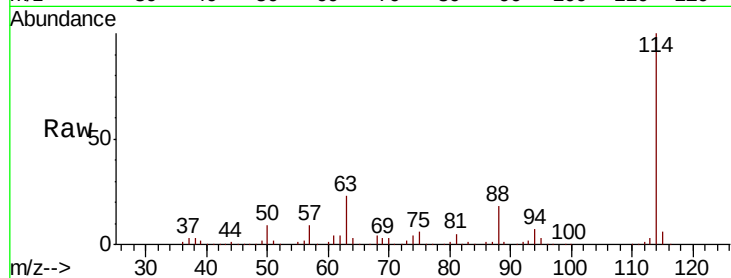




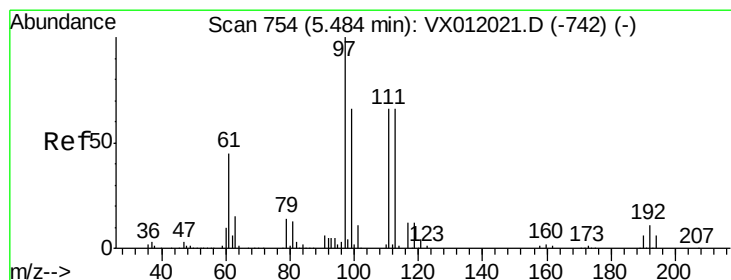
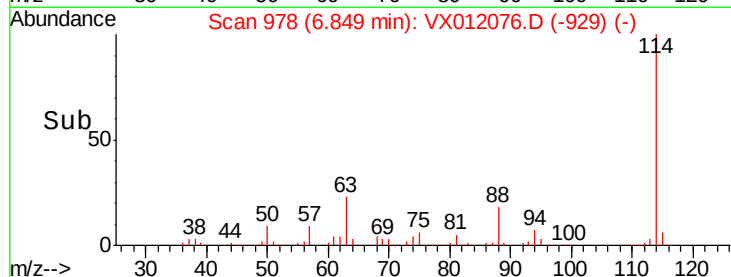
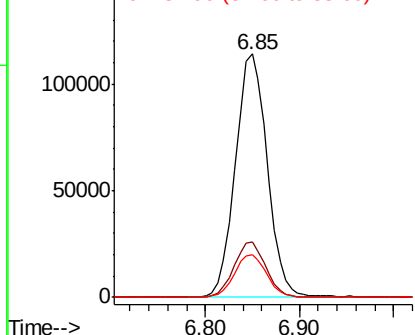
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012076.D
 Acq: 05 Sep 2019 03:21

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B3-(0)

Tgt Ion:114 Resp: 270188
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 37.4
 88 17.7 0.0 29.6

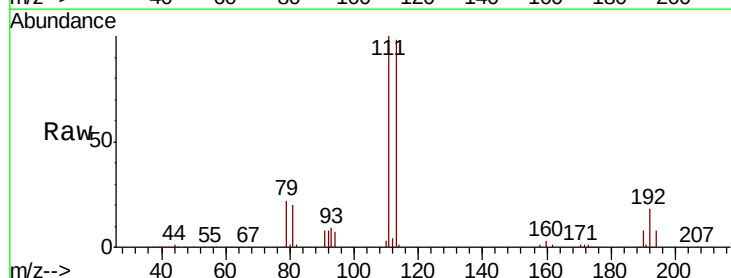


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

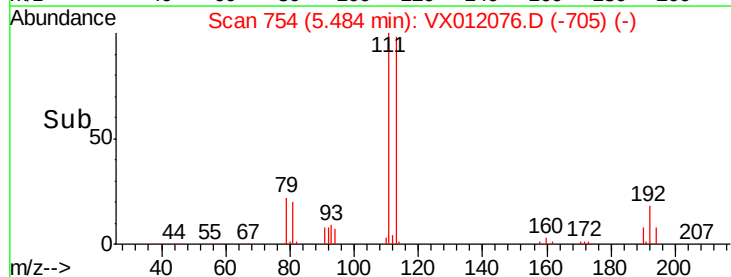
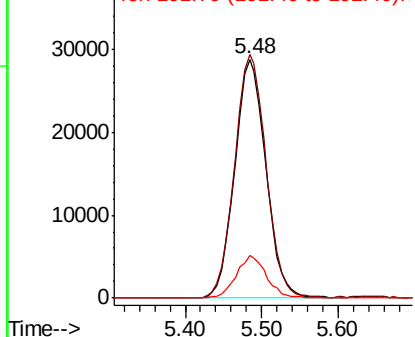


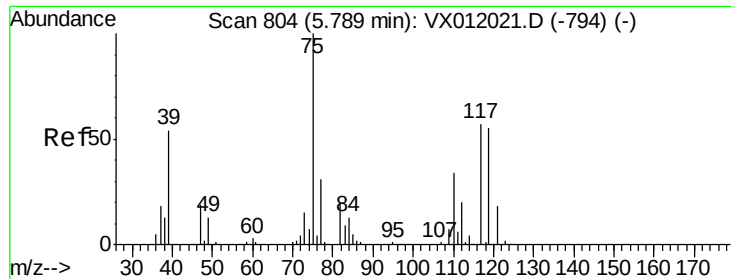
#35
 Dibromofluoromethane
 Concen: 48.831 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012076.D
 Acq: 05 Sep 2019 03:21

Tgt Ion:113 Resp: 81136
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.7 122.5
 192 17.2 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

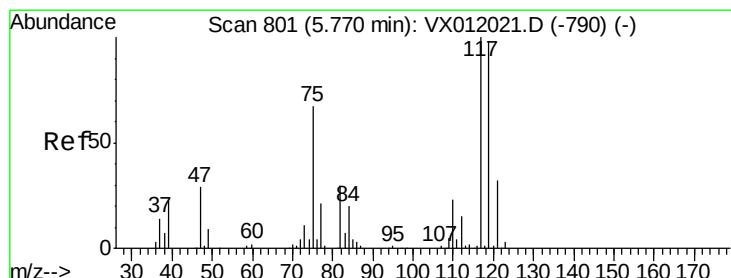
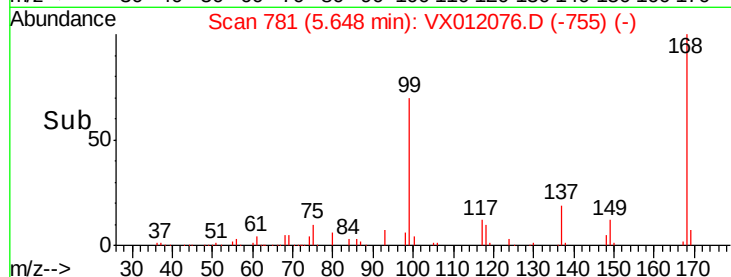
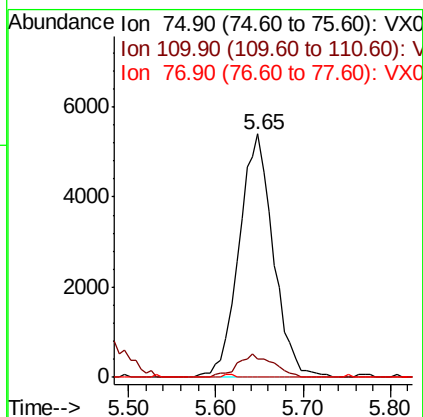
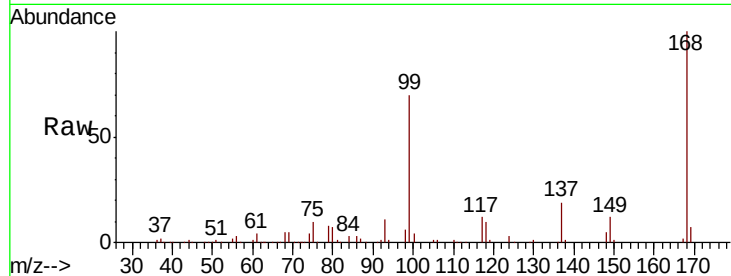




#36
 1,1-Dichloropropene
 Concen: 6.144 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012076.D
 Acq: 05 Sep 2019 03:21

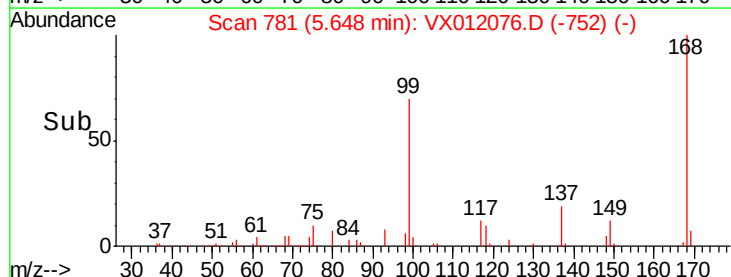
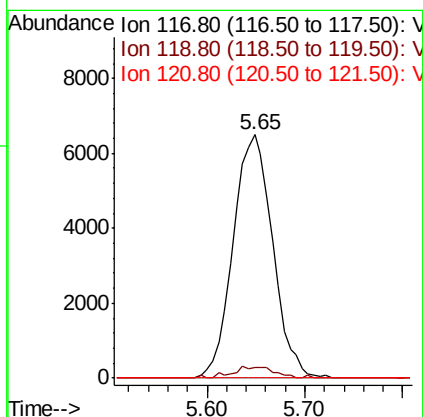
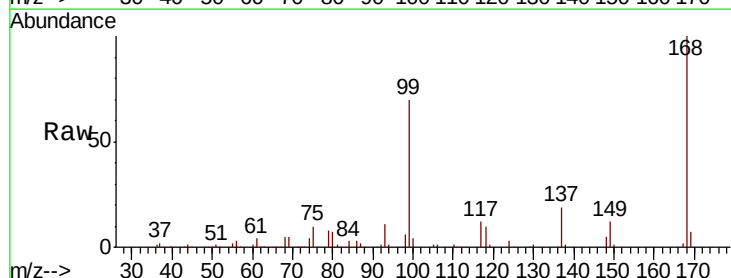
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B3-(0)

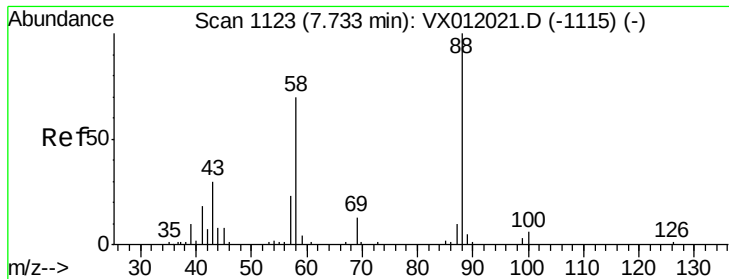
Tgt Ion: 75 Resp: 14621
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.257 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012076.D
 Acq: 05 Sep 2019 03:21

Tgt Ion: 117 Resp: 18197
 Ion Ratio Lower Upper
 117 100
 119 4.6 78.3 117.5#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 1.220 ug/l

RT: 7.62 min Scan# 1105

Delta R.T. -0.10 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B3-(0)

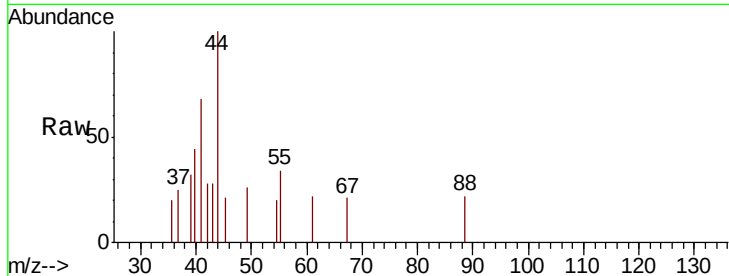
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

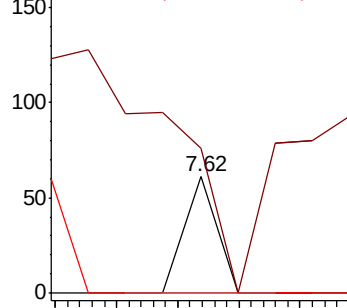
58 0.0 55.4 83.2#



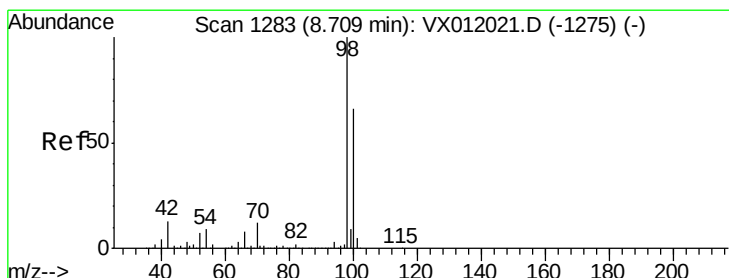
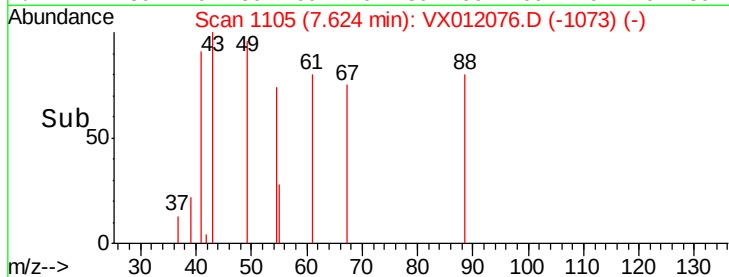
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 52.250 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012076.D

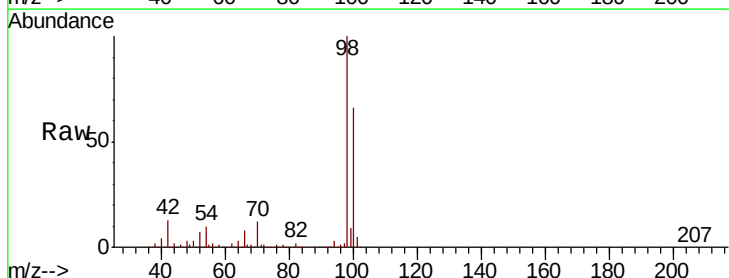
Acq: 05 Sep 2019 03:21

Tgt Ion: 98 Resp: 318578

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

250000

200000

150000

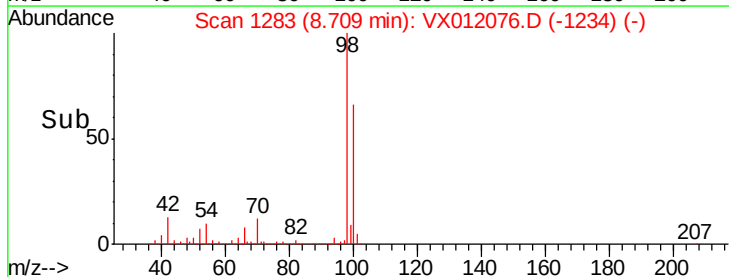
100000

50000

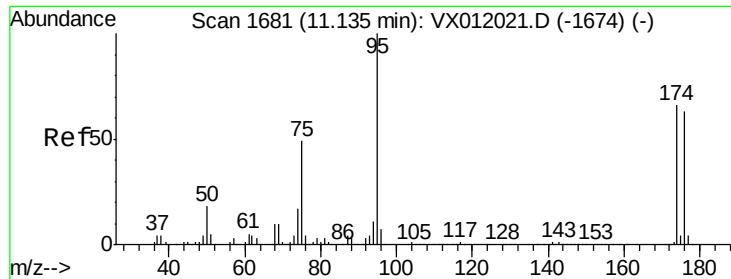
0

8.60 8.70 8.80

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 41.710 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B3-(0)

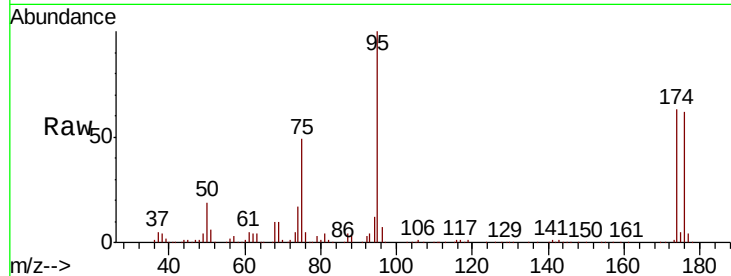
Tgt Ion: 95 Resp: 118273

Ion Ratio Lower Upper

95 100

174 62.4 0.0 205.4

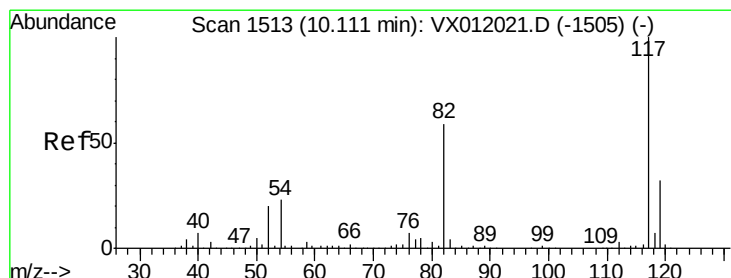
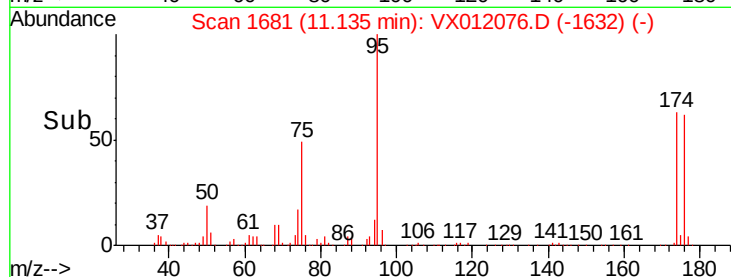
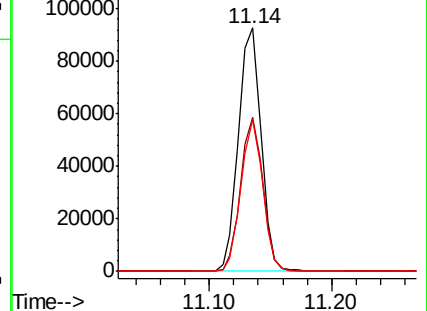
176 60.0 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012021.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012021.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012021.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

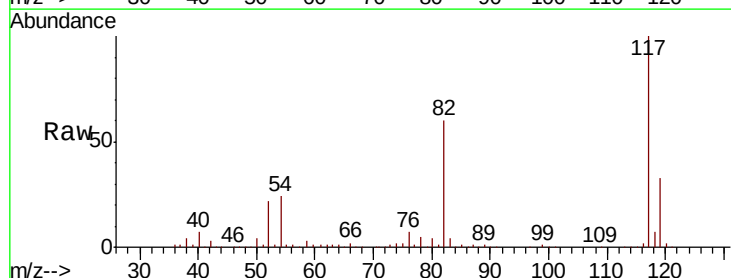
Tgt Ion: 117 Resp: 227007

Ion Ratio Lower Upper

117 100

82 59.8 39.4 59.0#

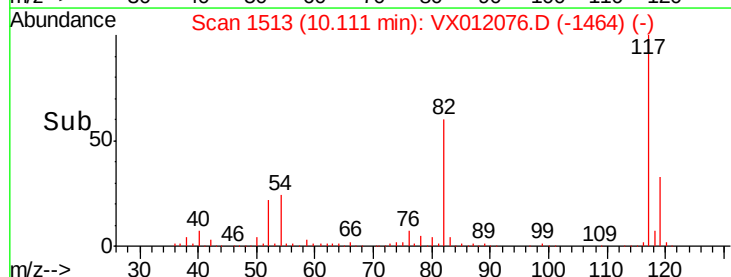
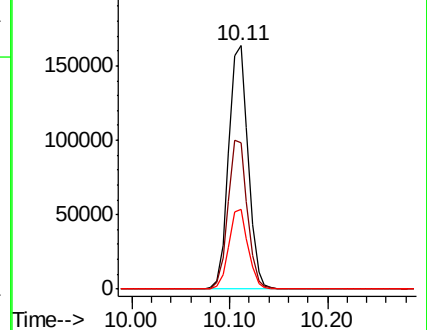
119 33.0 26.1 39.1

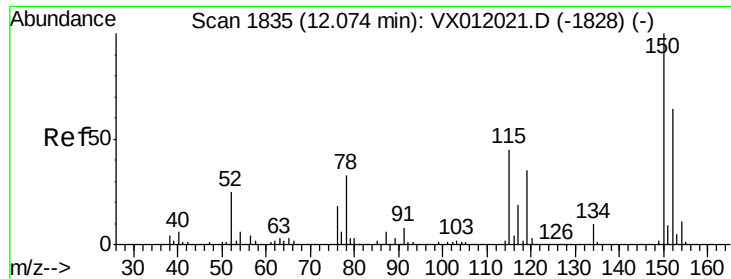


Abundance Ion 116.90 (116.60 to 117.60): VX012021.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012021.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012021.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

Instrument :

MSVOA_X

ClientSampled :

T3-S-B3-(0)

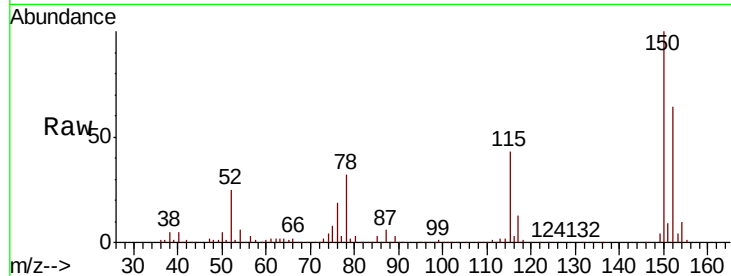
Tgt Ion:152 Resp: 88847

Ion Ratio Lower Upper

152 100

115 67.4 36.4 109.3

150 159.9 0.0 341.2

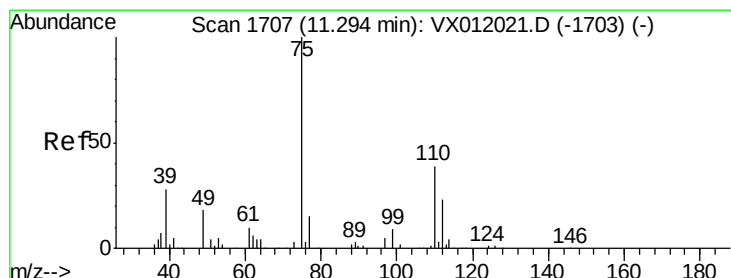
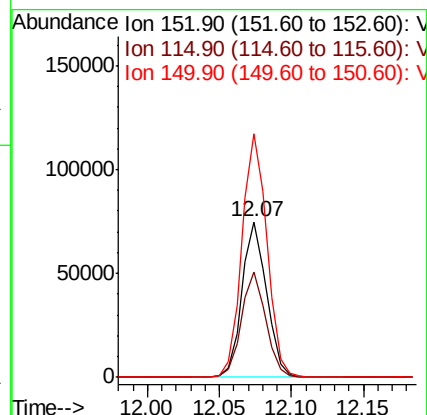
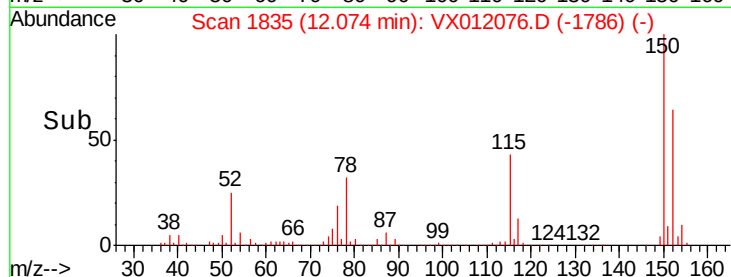


Abundance

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: 55.952 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012076.D

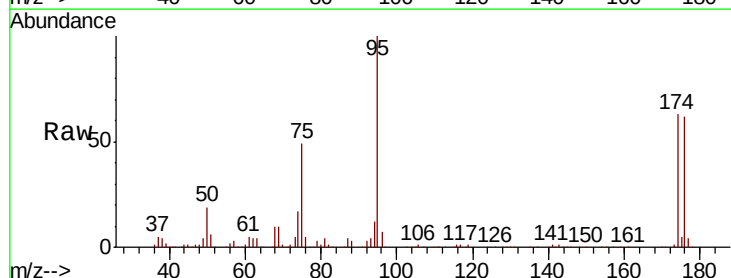
Acq: 05 Sep 2019 03:21

Tgt Ion: 75 Resp: 60740

Ion Ratio Lower Upper

75 100

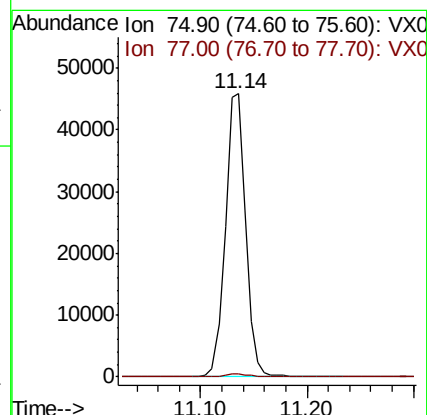
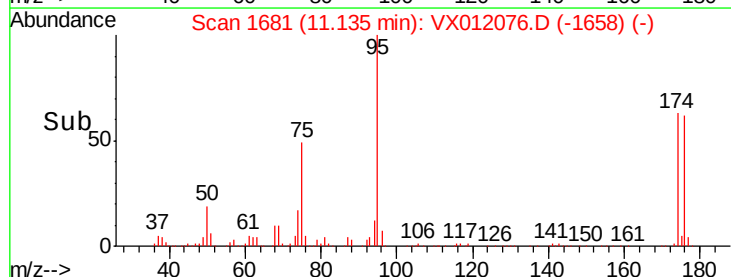
77 1.1 23.5 70.5#

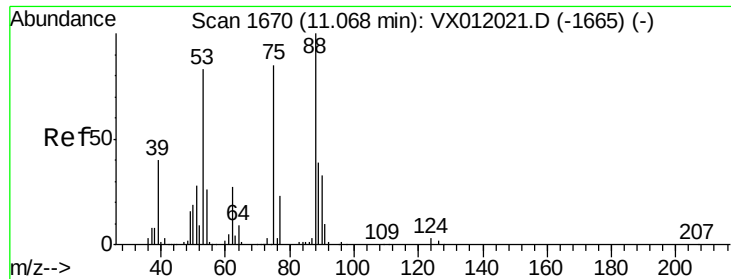


Abundance

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: 132.279 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012076.D

Acq: 05 Sep 2019 03:21

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B3-(0)

Tgt Ion: 75 Resp: 60740

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#

