

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012131.D
 Acq On : 06 Sep 2019 06:35
 Operator : SY/SP
 Sample : K4580-06
 Misc : 4.17g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-B3-(0)

Quant Time: Sep 06 07:36:45 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	154031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	266458	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96108	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	107919	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	5.48	113	80080	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	8.71	98	315538	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.14	95	123714	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	

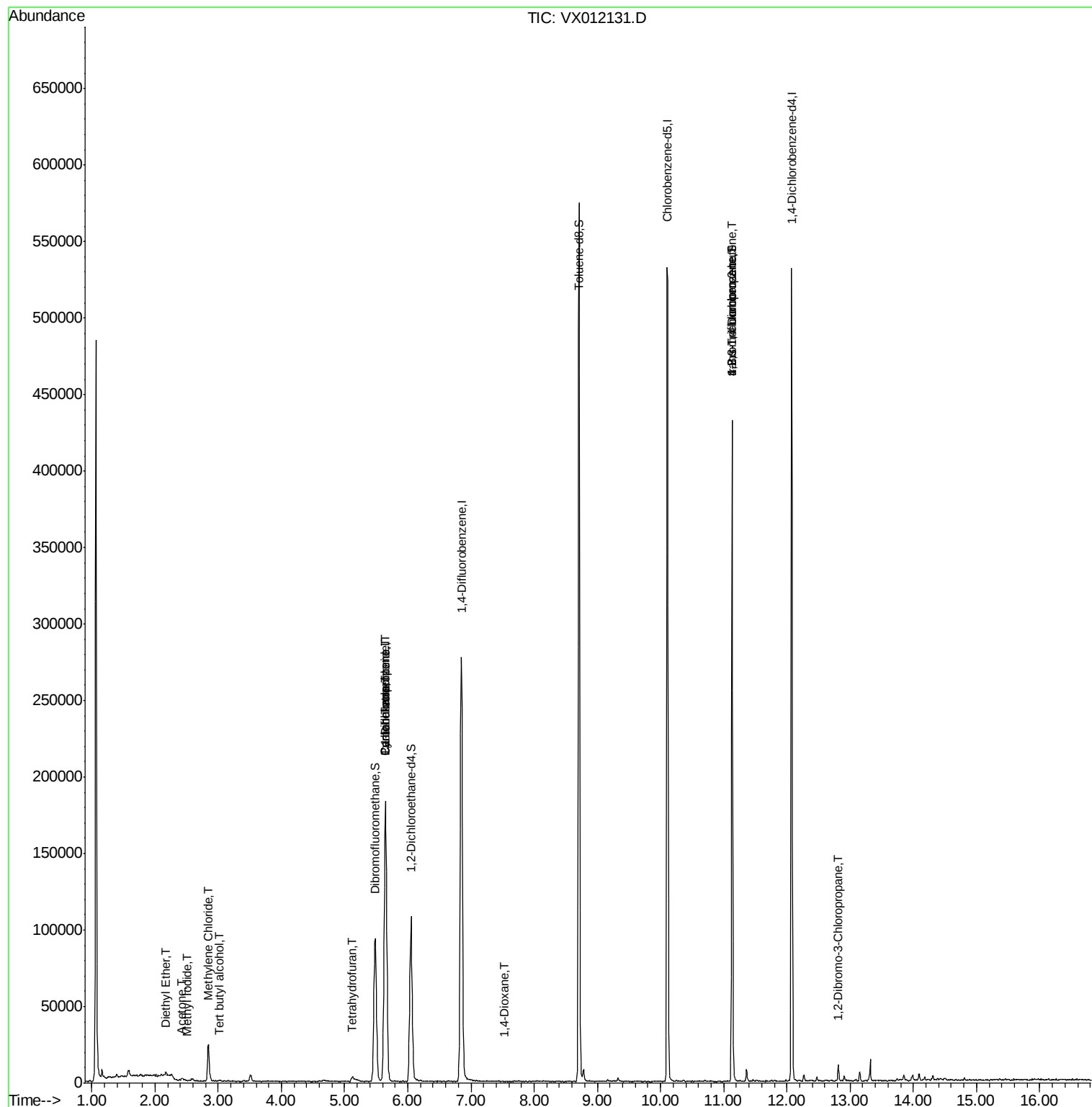
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	961	1.308	ug/l #	51
10) Methyl Iodide	2.51	142	45	7.013	ug/l #	40
11) Tert butyl alcohol	3.02	59	616	3.018	ug/l #	72
13) Acrolein	2.28	56	218	Below Cal	#	12
16) Acetone	2.43	43	2079	4.093	ug/l	90
20) Methylene Chloride	2.84	84	11036	5.410	ug/l	94
29) Tetrahydrofuran	5.13	42	3453	8.863	ug/l	91
31) Cyclohexane	5.64	56	4344	1.667	ug/l #	23
36) 1,1-Dichloropropene	5.65	75	14269	6.080	ug/l #	49
38) Carbon Tetrachloride	5.64	117	18102	7.320	ug/l #	15
49) 1,4-Dioxane	7.52	88	22	1.237	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64578	54.993	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	64578	130.012	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	412	1.339	ug/l #	1

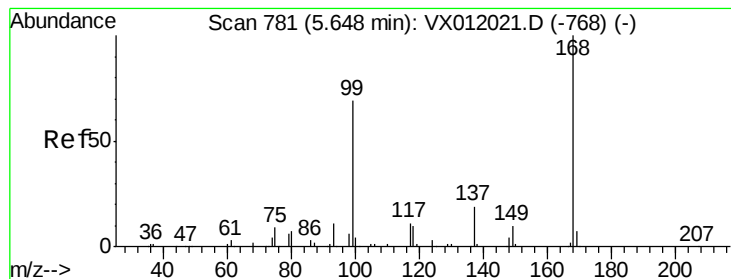
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012131.D

Acq: 06 Sep 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

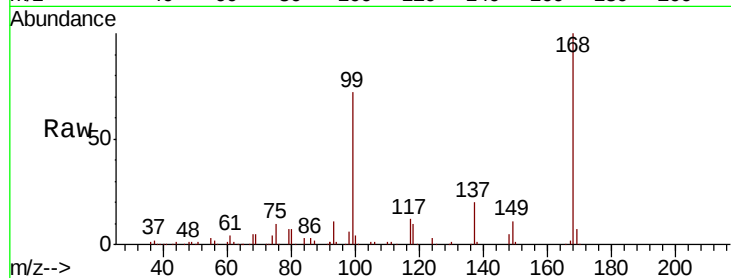
T12-B3-(0)

Tgt Ion:168 Resp: 154031

Ion Ratio Lower Upper

168 100

99 72.4 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

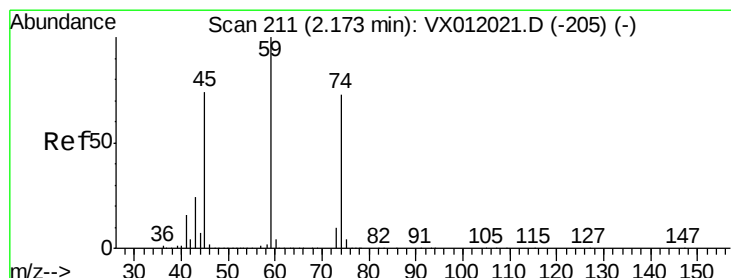
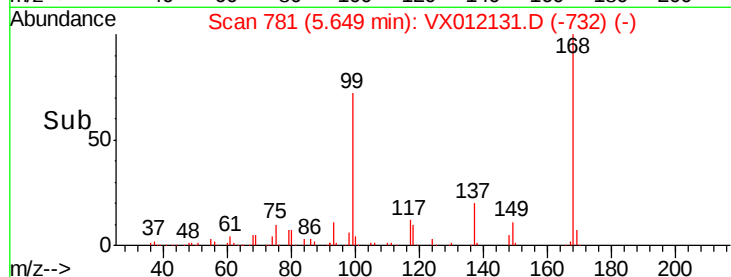
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.308 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012131.D

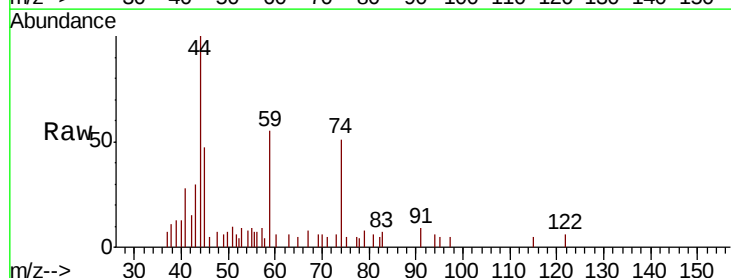
Acq: 06 Sep 2019 06:35

Tgt Ion: 74 Resp: 961

Ion Ratio Lower Upper

74 100

45 138.7 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

600

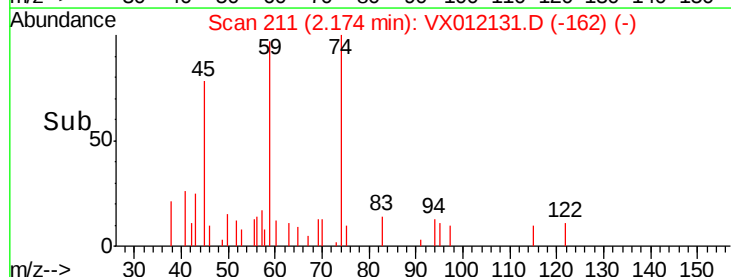
400

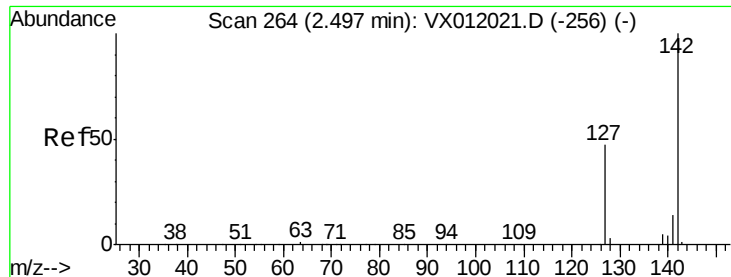
200

0

Time-->

2.15 2.20

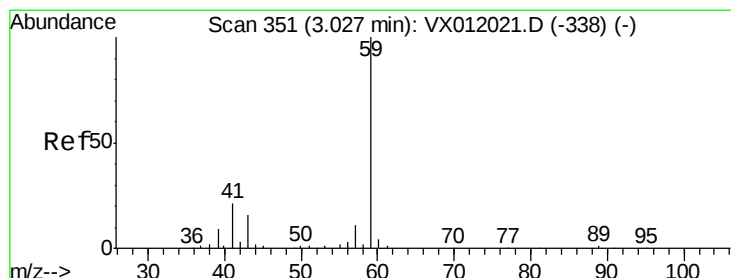
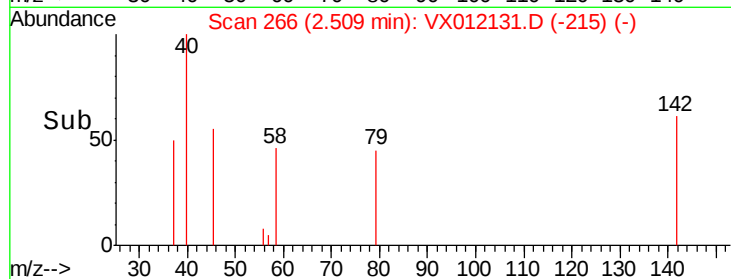
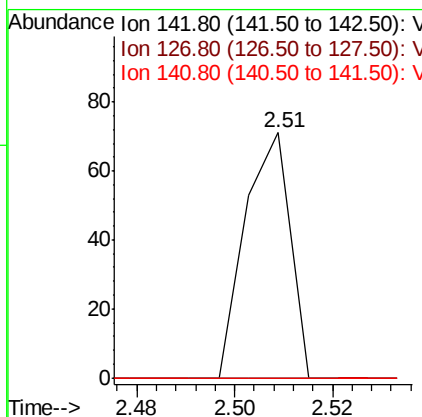
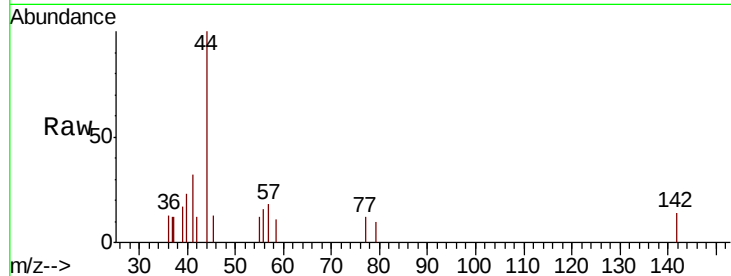




#10
Methyl Iodide
Concen: 7.013 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012131.D
Acq: 06 Sep 2019 06:35

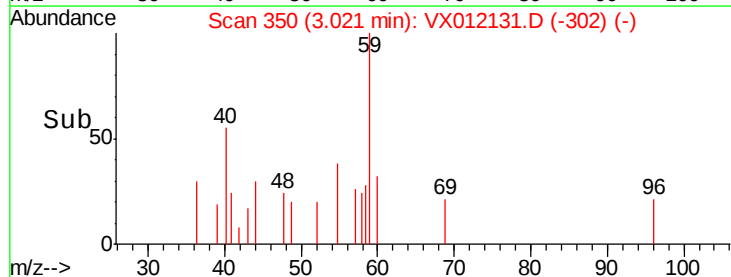
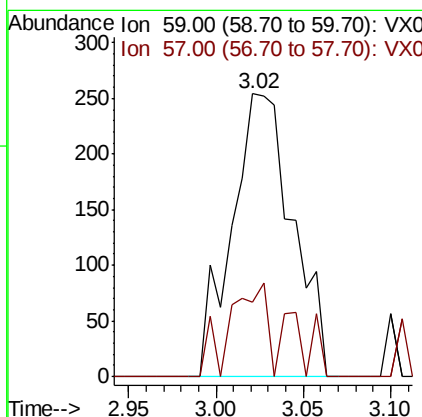
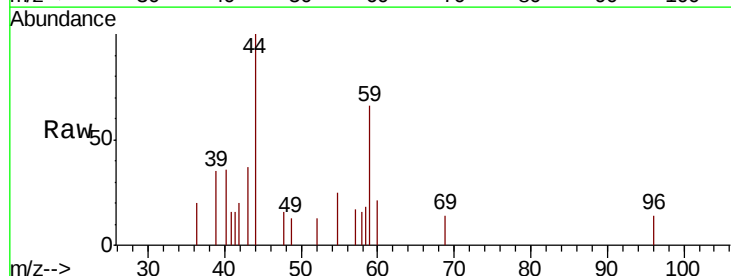
Instrument :
MSVOA_X
ClientSampleId :
T12-B3-(0)

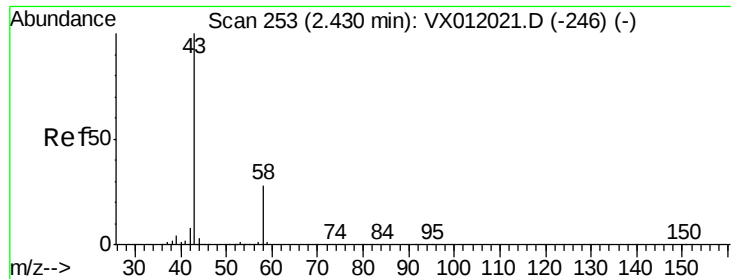
Tgt Ion: 142 Resp: 45
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.018 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012131.D
Acq: 06 Sep 2019 06:35

Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
57 20.1 7.9 11.9#





#16

Acetone

Concen: 4.093 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

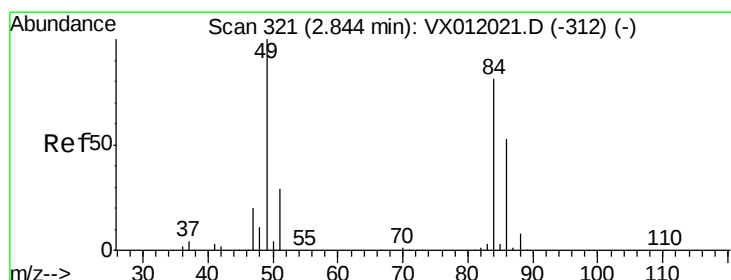
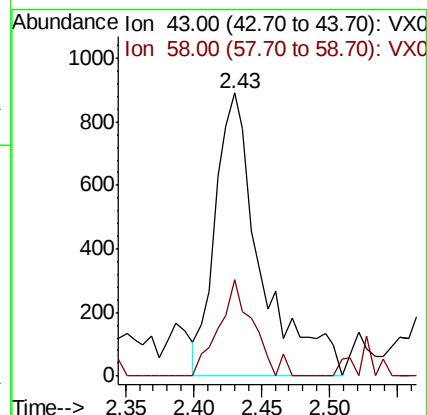
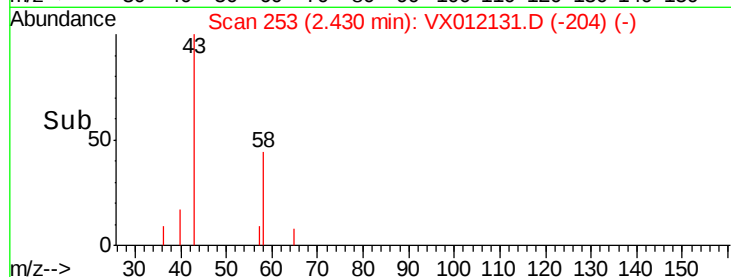
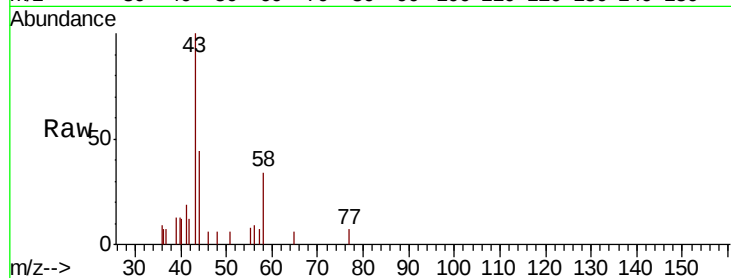
T12-B3-(0)

Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

43 100

58 33.9 22.8 34.2



#20

Methylene Chloride

Concen: 5.410 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

Tgt Ion: 84 Resp: 11036

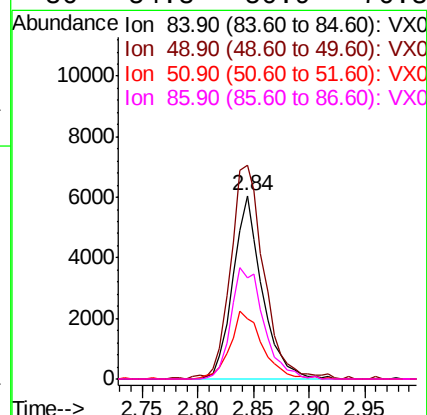
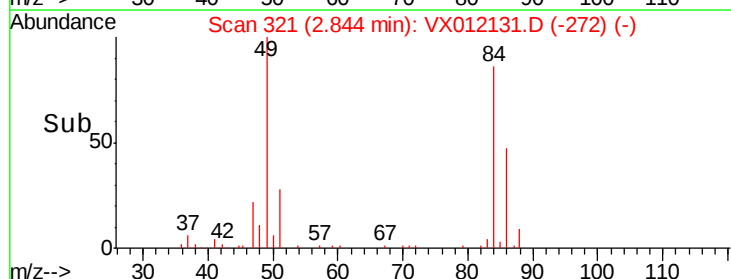
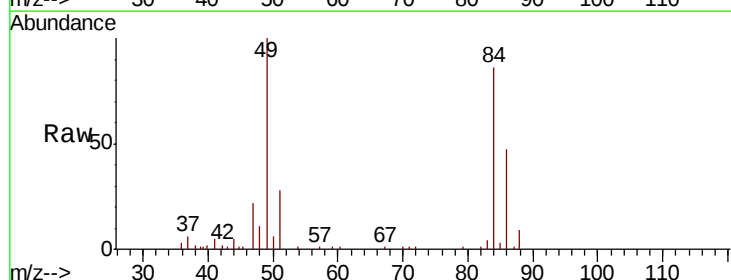
Ion Ratio Lower Upper

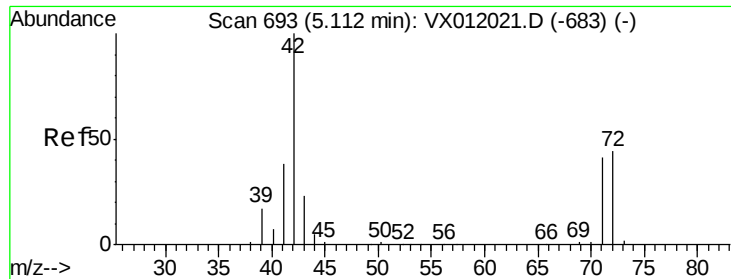
84 100

49 116.4 95.8 143.8

51 32.9 28.6 43.0

86 54.8 50.9 76.3





#29

Tetrahydrofuran

Concen: 8.863 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

T12-B3-(0)

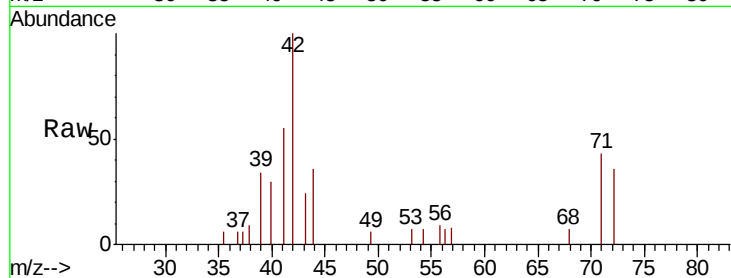
Tgt Ion: 42 Resp: 3453

Ion Ratio Lower Upper

42 100

72 38.4 37.0 55.4

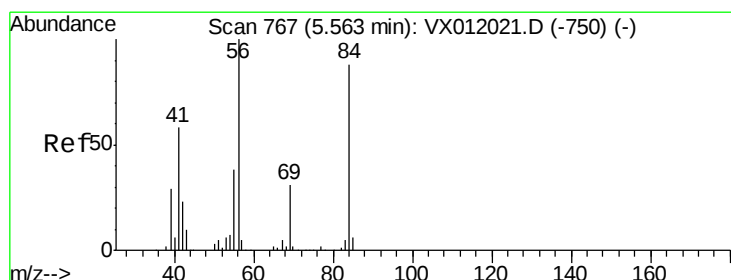
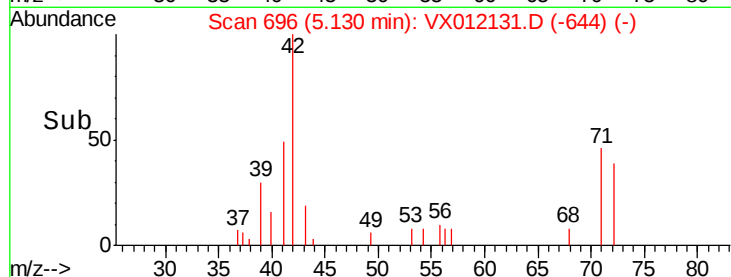
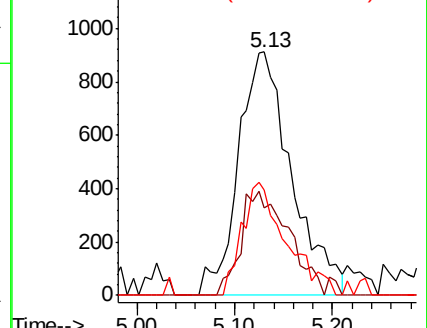
71 38.5 33.8 50.8



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: 1.667 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

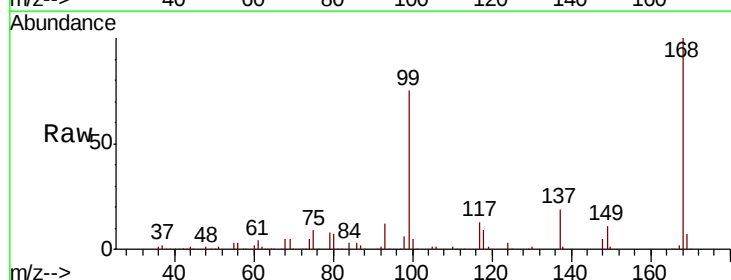
Tgt Ion: 56 Resp: 4344

Ion Ratio Lower Upper

56 100

69 169.9 25.7 38.5#

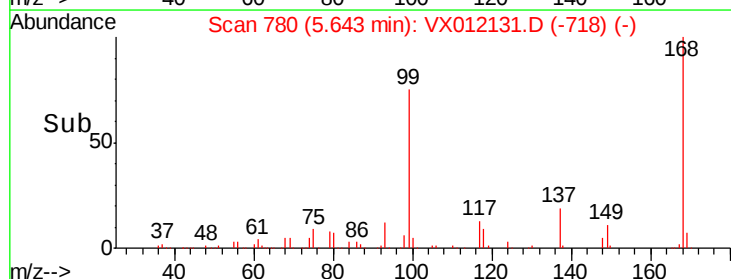
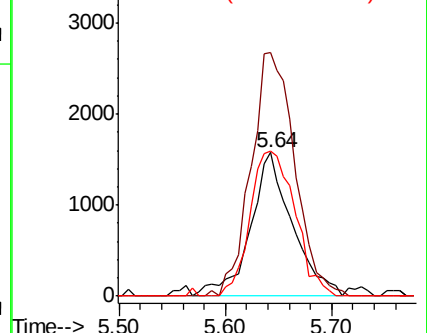
84 101.4 70.3 105.5

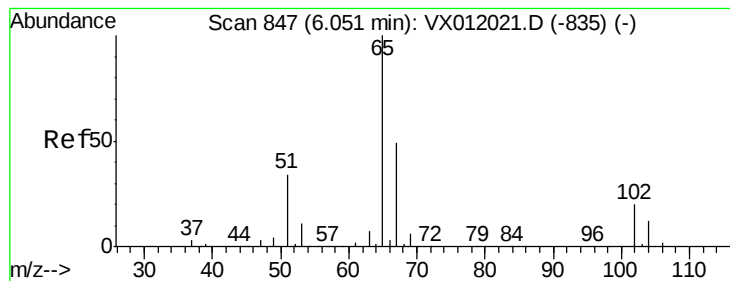


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.778 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

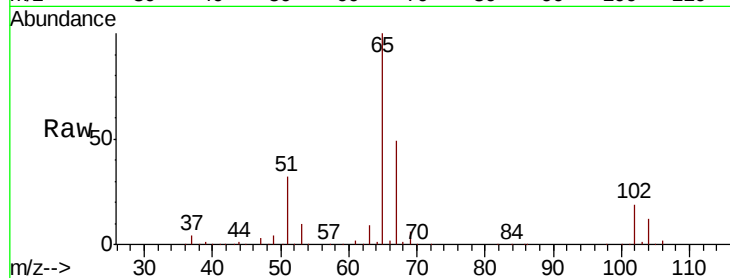
T12-B3-(0)

Tgt Ion: 65 Resp: 107919

Ion Ratio Lower Upper

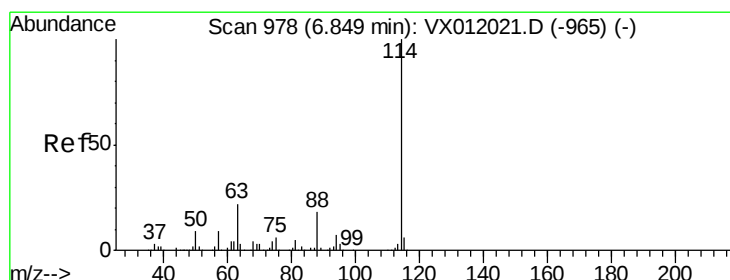
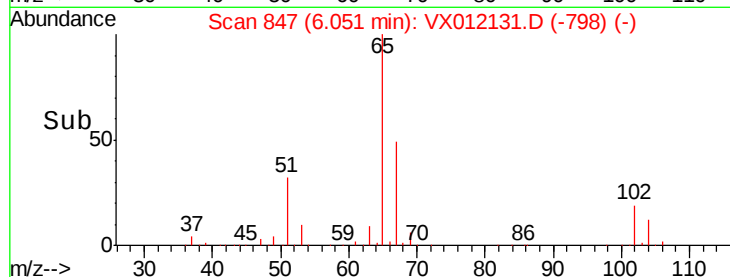
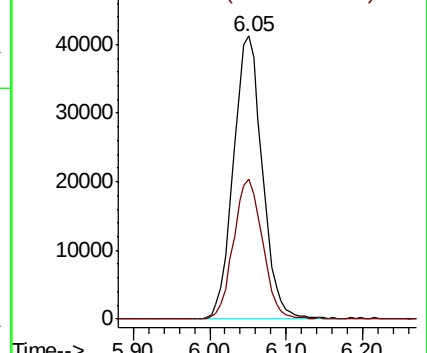
65 100

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: VX012131.D

Acq: 06 Sep 2019 06:35

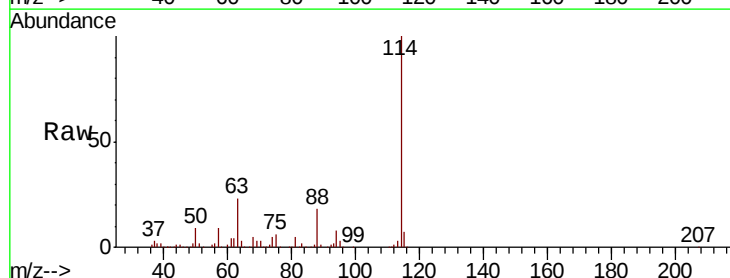
Tgt Ion: 114 Resp: 266458

Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.4

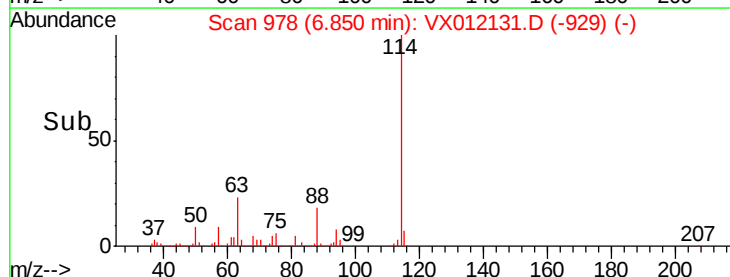
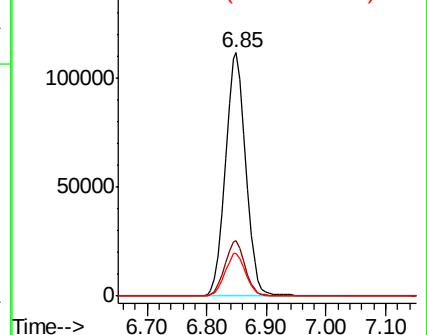
88 17.7 0.0 29.6

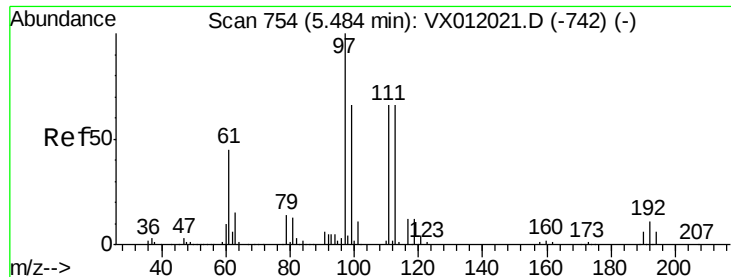


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.870 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012131.D

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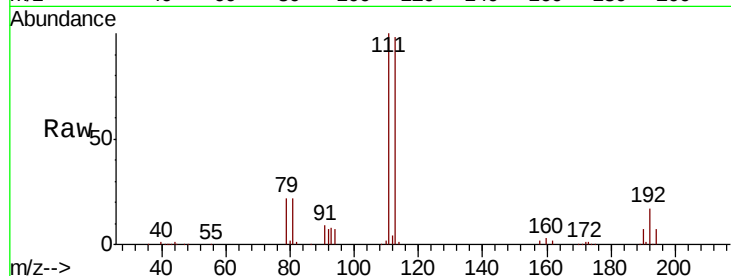
Tgt Ion:113 Resp: 80080

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

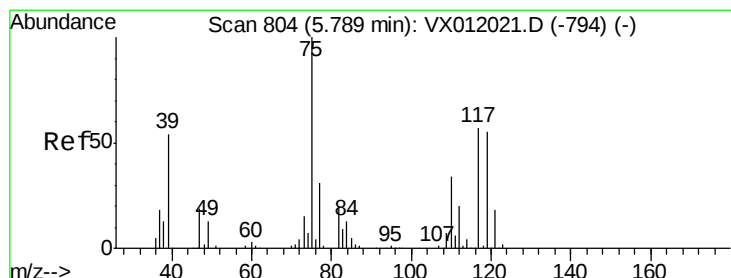
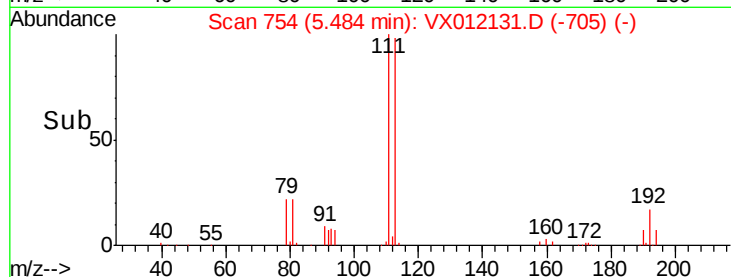
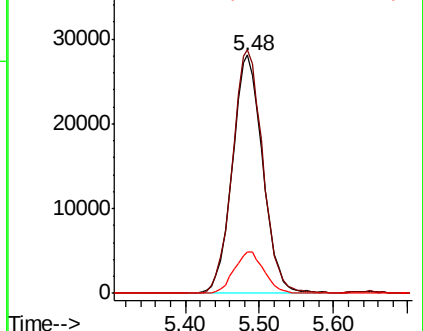
192 17.2 22.5 33.7#



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: 6.080 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

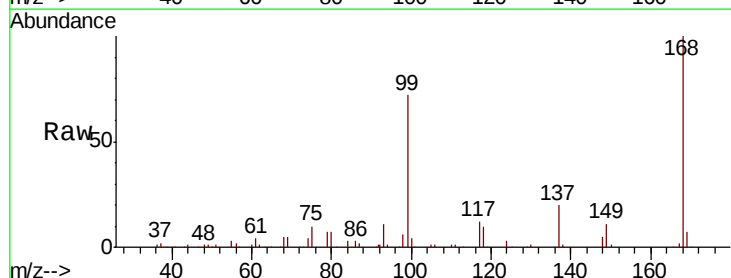
Tgt Ion: 75 Resp: 14269

Ion Ratio Lower Upper

75 100

110 10.0 19.5 58.5#

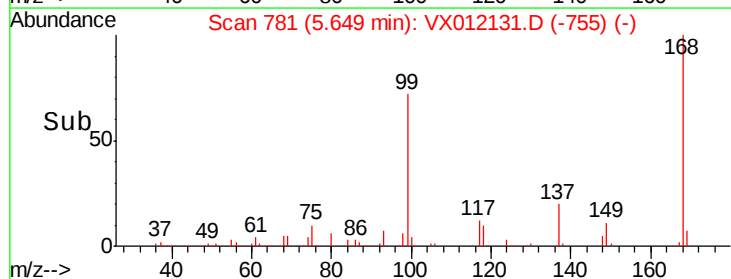
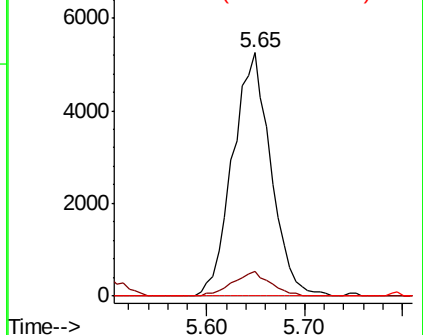
77 0.0 24.6 37.0#

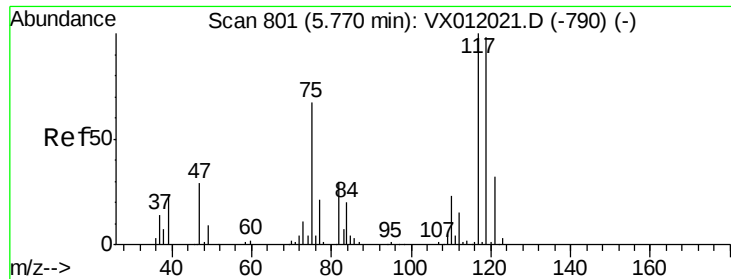


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.320 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

T12-B3-(0)

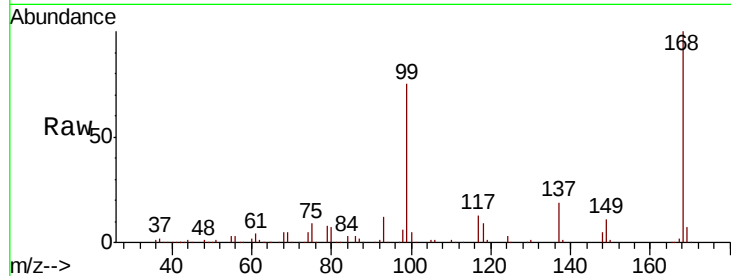
Tgt Ion:117 Resp: 18102

Ion Ratio Lower Upper

117 100

119 4.6 78.3 117.5#

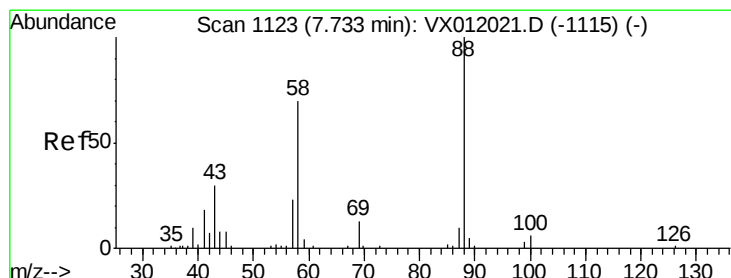
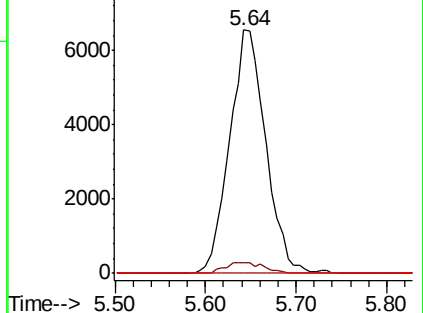
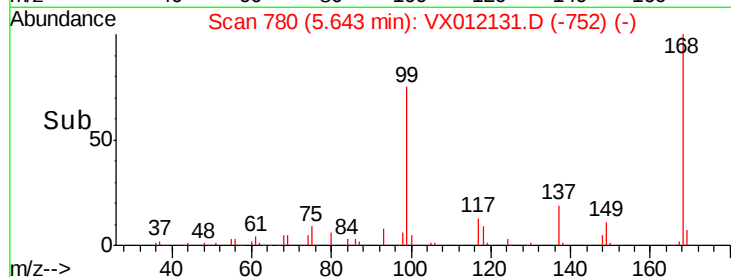
121 0.0 24.2 36.2#



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: 1.237 ug/l

RT: 7.52 min Scan# 1088

Delta R.T. -0.21 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

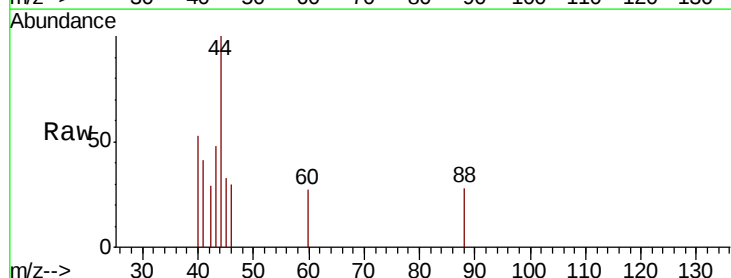
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 1077.3 29.8 44.6#

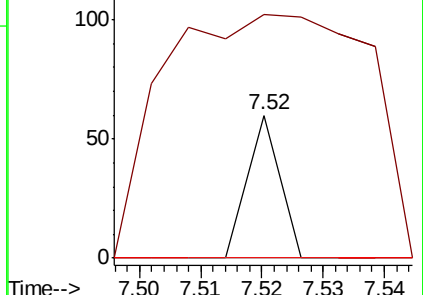
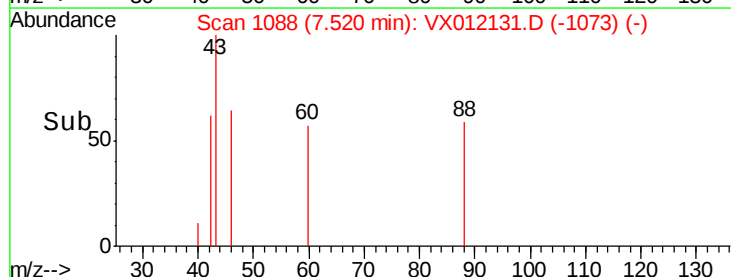
58 0.0 55.4 83.2#

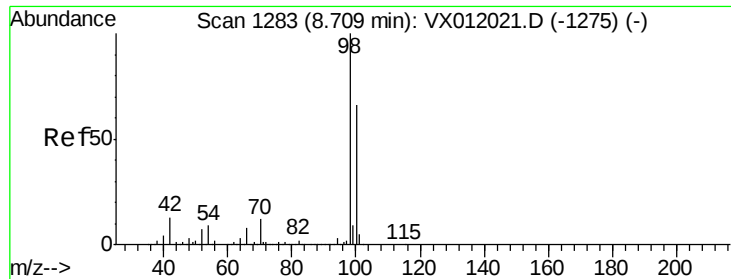


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

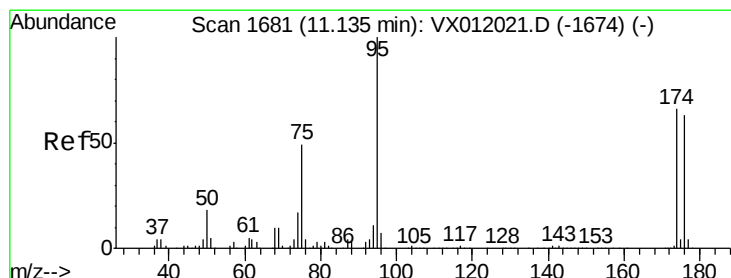
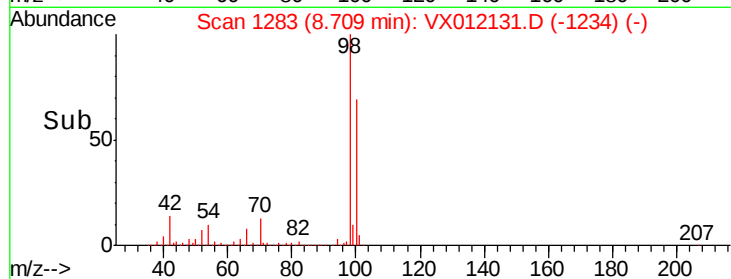
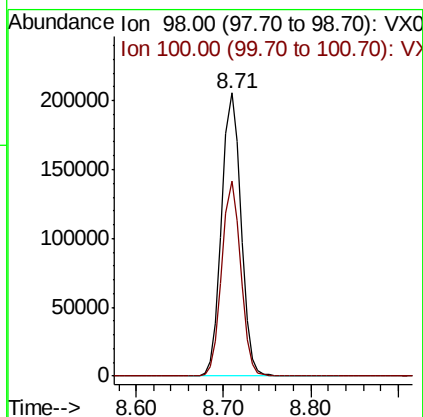
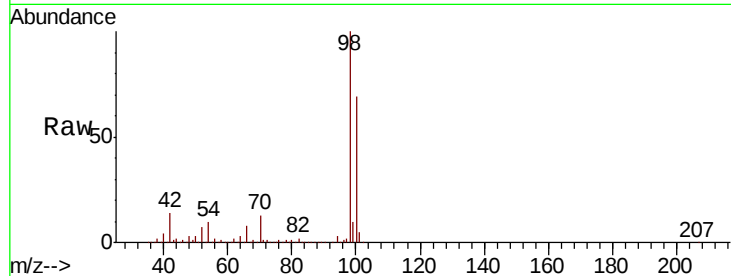




#50
Toluene-d8
Concen: 52.475 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012131.D
Acq: 06 Sep 2019 06:35

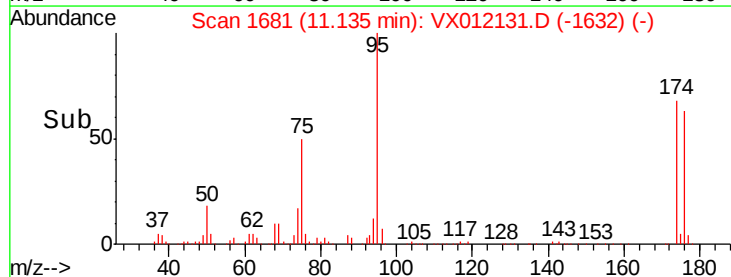
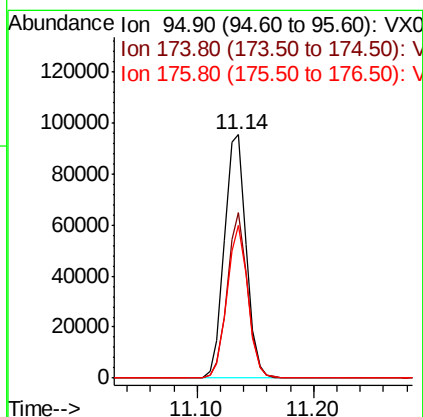
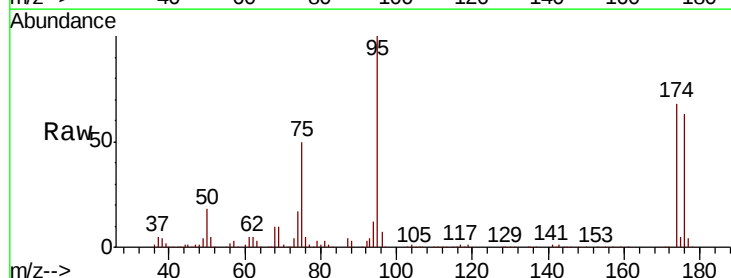
Instrument :
MSVOA_X
ClientSampleId :
T12-B3-(0)

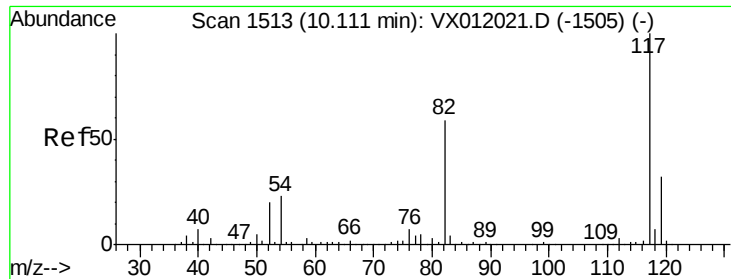
Tgt Ion: 98 Resp: 315538
Ion Ratio Lower Upper
98 100
100 67.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.240 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012131.D
Acq: 06 Sep 2019 06:35

Tgt Ion: 95 Resp: 123714
Ion Ratio Lower Upper
95 100
174 63.7 0.0 205.4
176 60.3 0.0 201.8

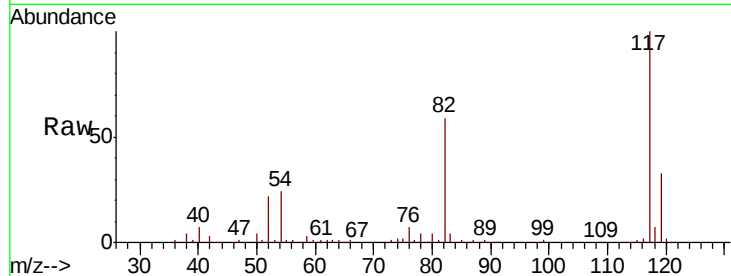




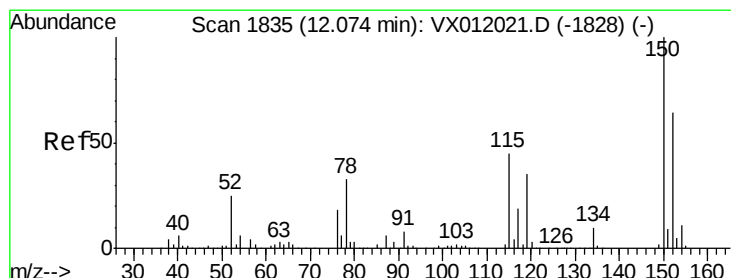
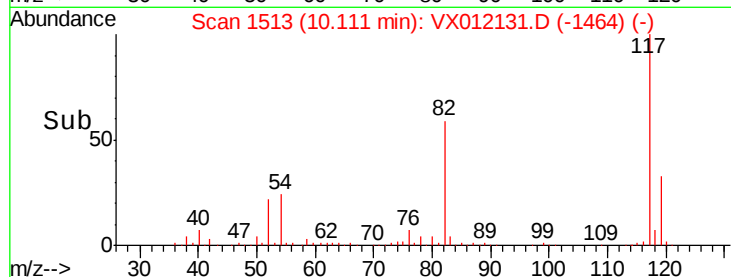
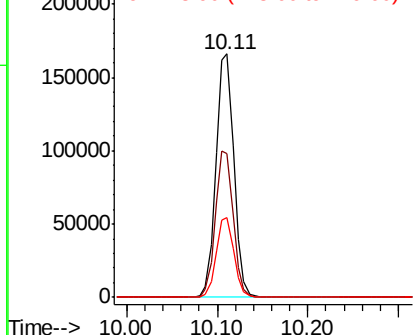
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012131.D
Acq: 06 Sep 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
T12-B3-(0)

Tgt Ion:117 Resp: 231125
Ion Ratio Lower Upper
117 100
82 58.9 39.4 59.0
119 32.6 26.1 39.1

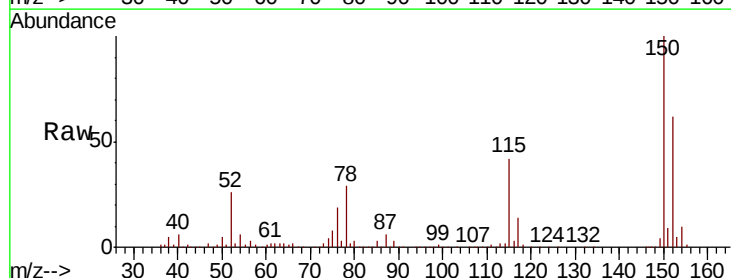


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

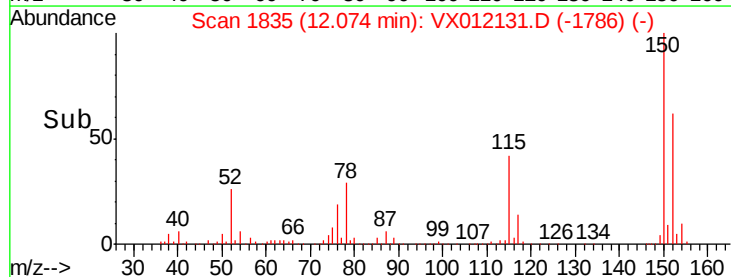
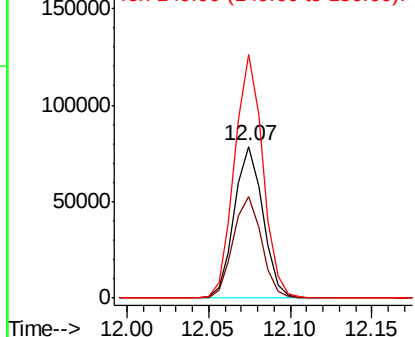


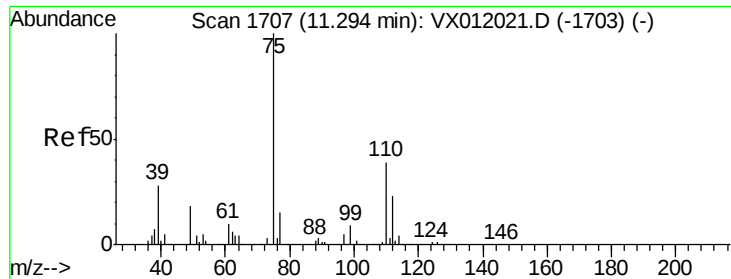
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012131.D
Acq: 06 Sep 2019 06:35

Tgt Ion:152 Resp: 96108
Ion Ratio Lower Upper
152 100
115 67.1 36.4 109.3
150 158.7 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

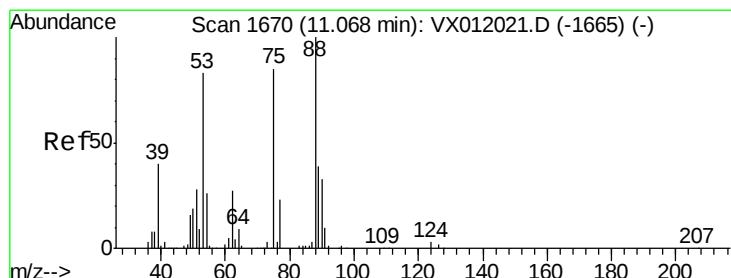
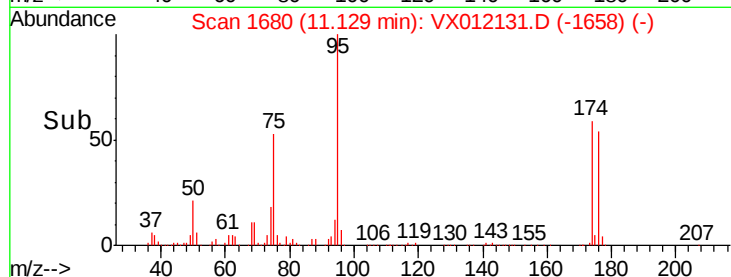
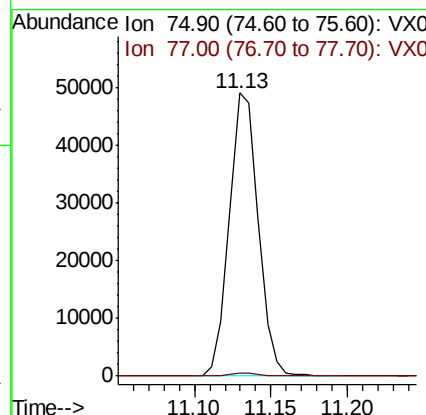
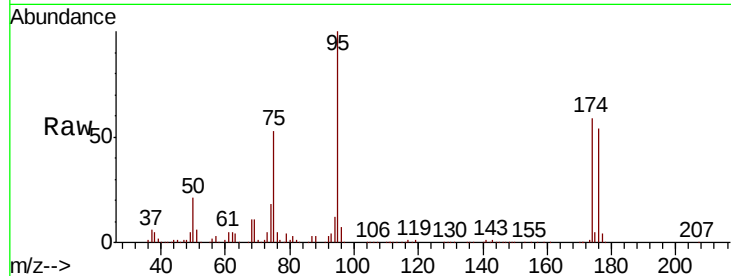




#76
 1,2,3-Trichloropropane
 Concen: 54.993 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012131.D
 Acq: 06 Sep 2019 06:35

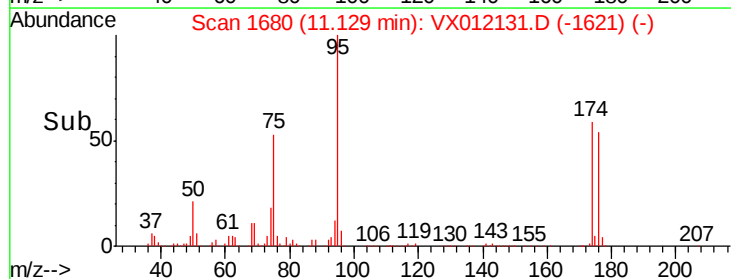
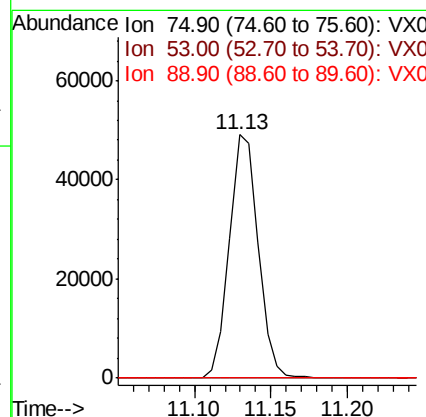
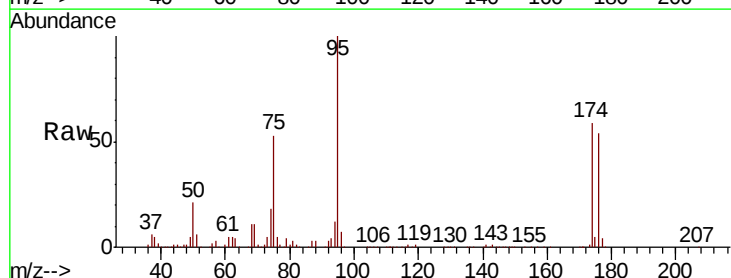
Instrument :
 MSVOA_X
 ClientSampled :
 T12-B3-(0)

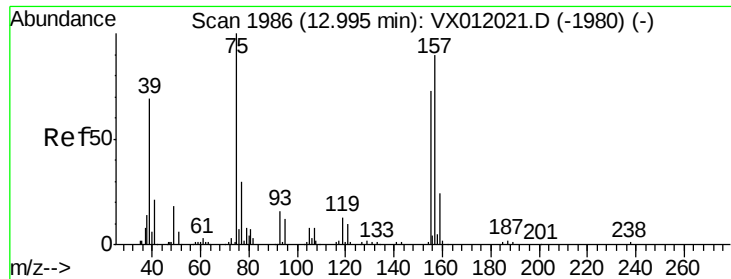
Tgt Ion: 75 Resp: 64578
 Ion Ratio Lower Upper
 75 100
 77 1.2 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.012 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012131.D
 Acq: 06 Sep 2019 06:35

Tgt Ion: 75 Resp: 64578
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.339 ug/l

RT: 12.81 min Scan# 1955

Delta R.T. -0.19 min

Lab File: VX012131.D

Acq: 06 Sep 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

T12-B3-(0)

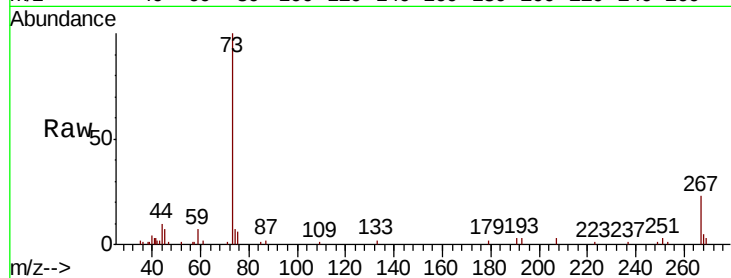
Tgt Ion: 75 Resp: 412

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.2#

157 0.0 66.9 200.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

