

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012151.D
 Acq On : 06 Sep 2019 16:37
 Operator : SY/SP
 Sample : K4601-07
 Misc : 2.39g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E2-(2.7)

Quant Time: Sep 07 01:15:37 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

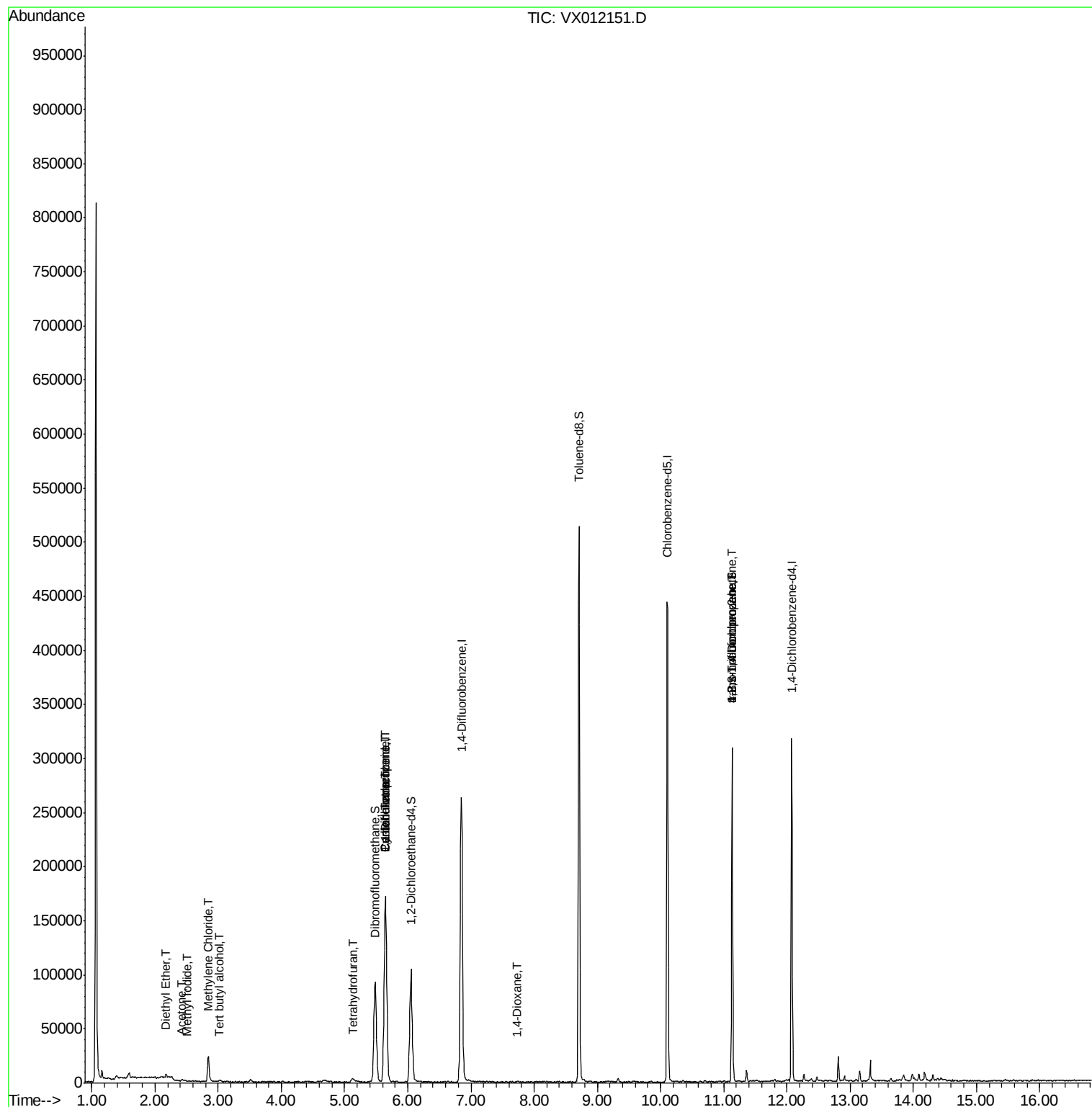
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	144632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	255946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	195203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	57102	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	102854	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.48	113	77772	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	8.71	98	287333	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	90801	33.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.60%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	1191	1.727	ug/l	99
10) Methyl Iodide	2.51	142	265	7.141	ug/l #	81
11) Tert butyl alcohol	3.02	59	1249	6.516	ug/l #	80
13) Acrolein	2.29	56	232	Below Cal	#	55
16) Acetone	2.42	43	1544	3.237	ug/l	100
20) Methylene Chloride	2.84	84	11059	5.774	ug/l	99
29) Tetrahydrofuran	5.12	42	3015	8.242	ug/l	94
31) Cyclohexane	5.64	56	3987	1.630	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	13384	5.937	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17515	7.374	ug/l #	15
49) 1,4-Dioxane	7.72	88	22	1.288	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	47701	68.369	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	47701	161.635	ug/l #	10

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

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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# 781

Delta R.T. 0.00 min

Lab File: VX012151.D

Acq: 06 Sep 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

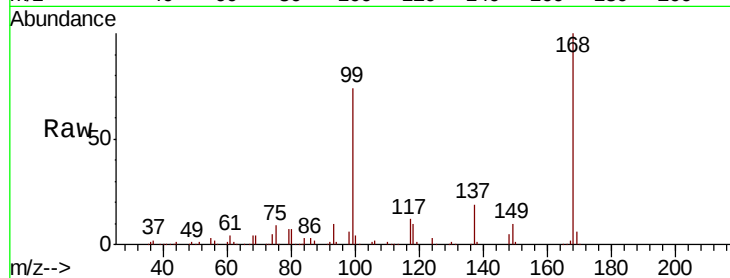
T12-E2-(2.7)

Tgt Ion:168 Resp: 144632

Ion Ratio Lower Upper

168 100

99 73.6 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

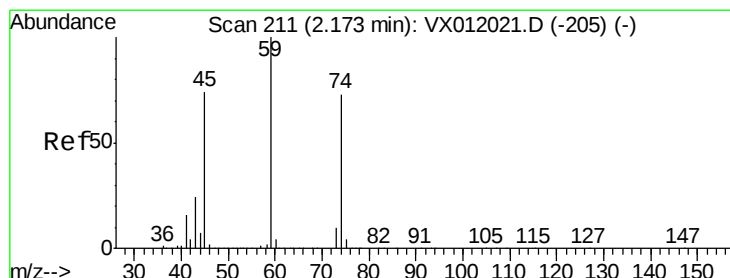
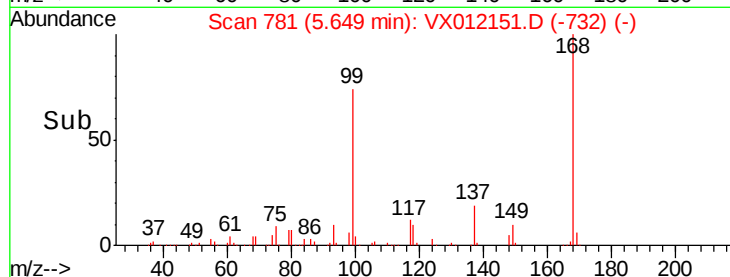
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.727 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012151.D

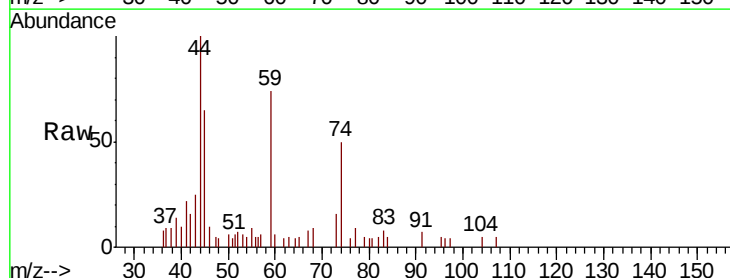
Acq: 06 Sep 2019 16:37

Tgt Ion: 74 Resp: 1191

Ion Ratio Lower Upper

74 100

45 92.4 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

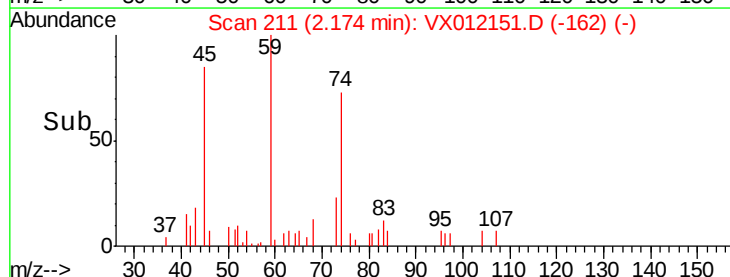
400

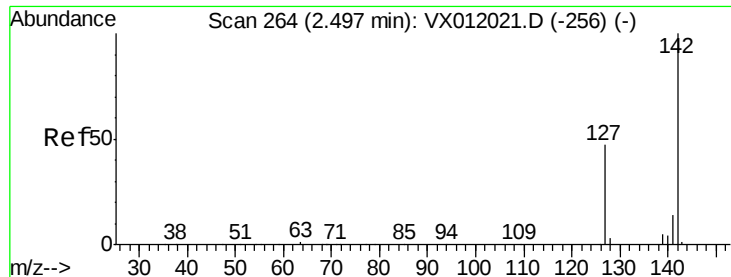
200

0

Time-->

2.10 2.15 2.20

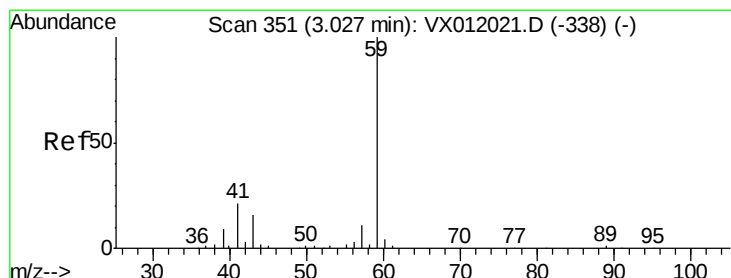
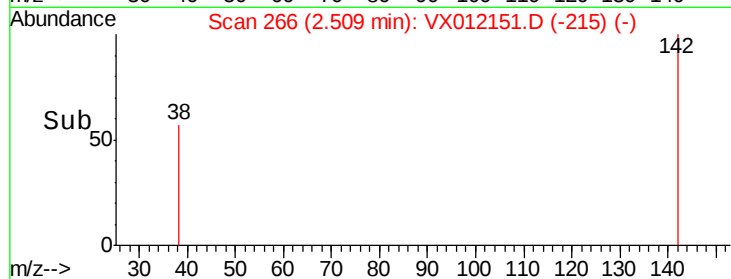
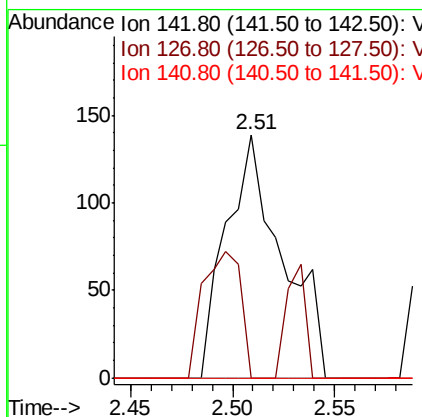
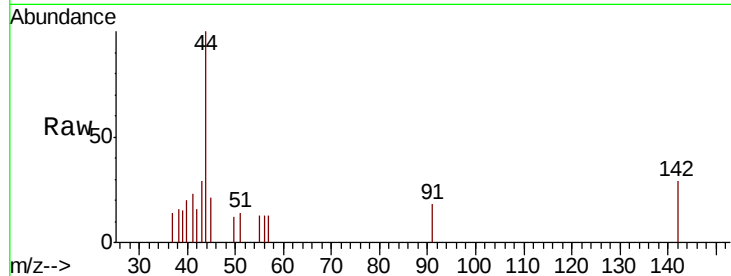




#10
Methyl Iodide
Concen: 7.141 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012151.D
Acq: 06 Sep 2019 16:37

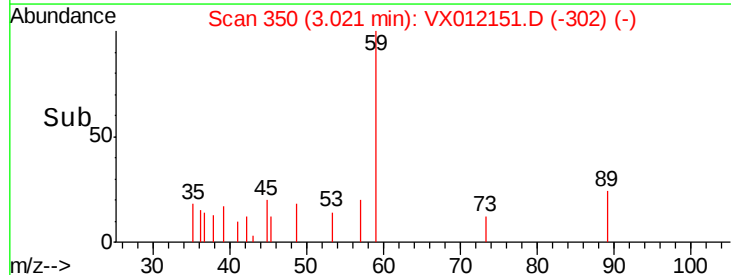
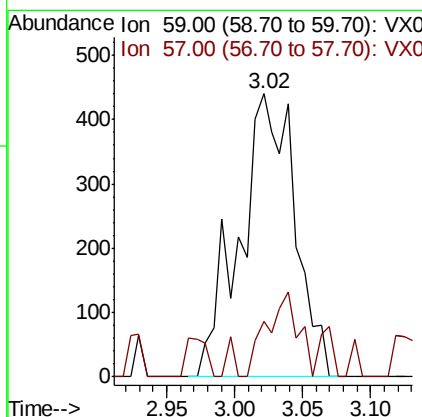
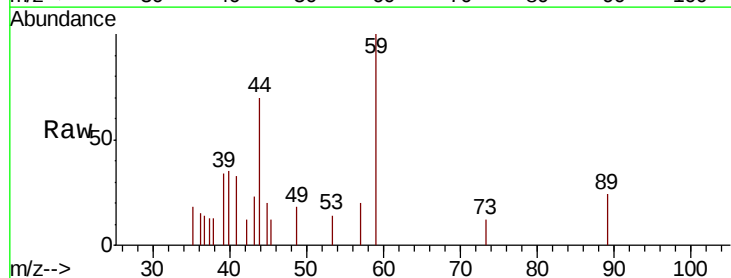
Instrument :
MSVOA_X
ClientSampleId :
T12-E2-(2.7)

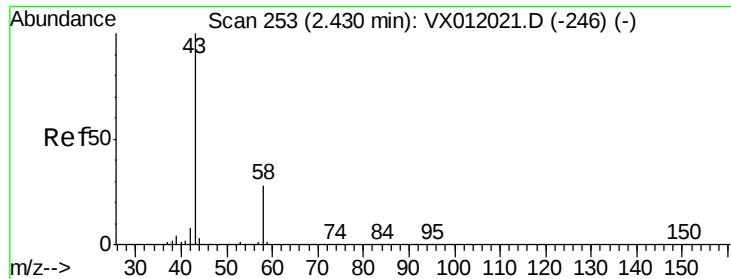
Tgt Ion: 142 Resp: 265
Ion Ratio Lower Upper
142 100
127 35.1 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 6.516 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012151.D
Acq: 06 Sep 2019 16:37

Tgt Ion: 59 Resp: 1249
Ion Ratio Lower Upper
59 100
57 17.2 7.9 11.9#





#16

Acetone

Concen: 3.237 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012151.D

Acq: 06 Sep 2019 16:37

Instrument :

MSVOA_X

ClientSampled :

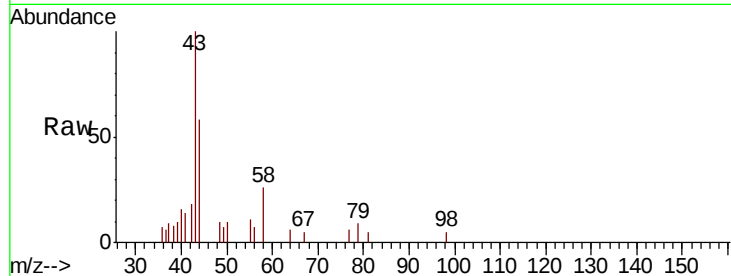
T12-E2-(2.7)

Tgt Ion: 43 Resp: 1544

Ion Ratio Lower Upper

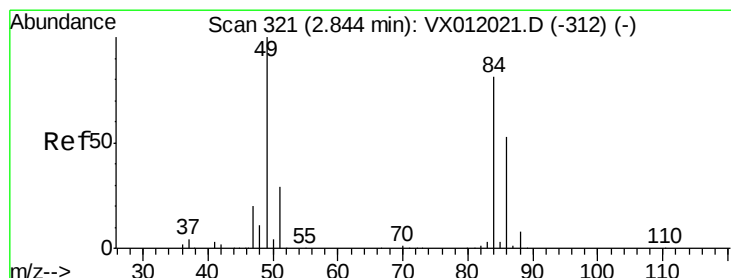
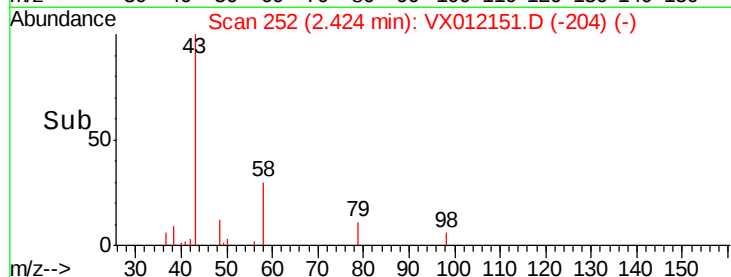
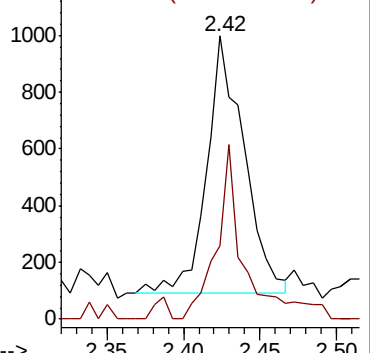
43 100

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: 5.774 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012151.D

Acq: 06 Sep 2019 16:37

Tgt Ion: 84 Resp: 11059

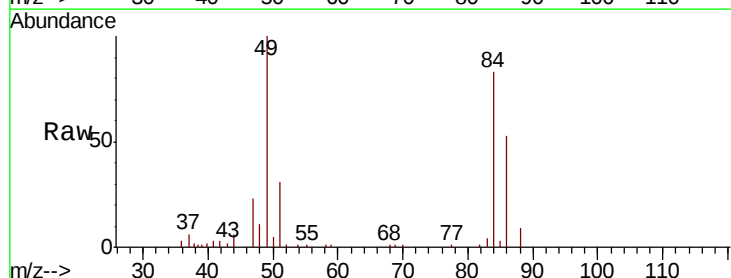
Ion Ratio Lower Upper

84 100

49 120.3 95.8 143.8

51 36.8 28.6 43.0

86 63.1 50.9 76.3

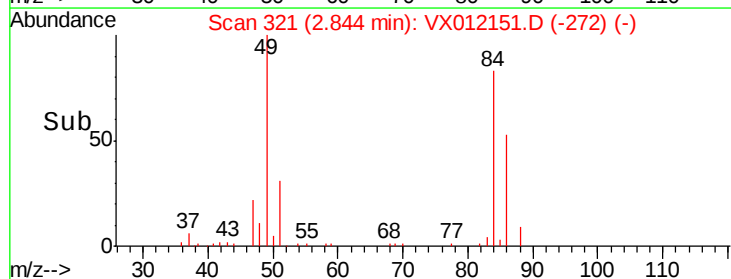
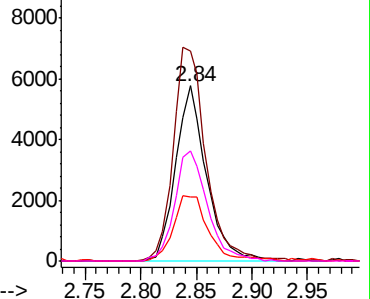


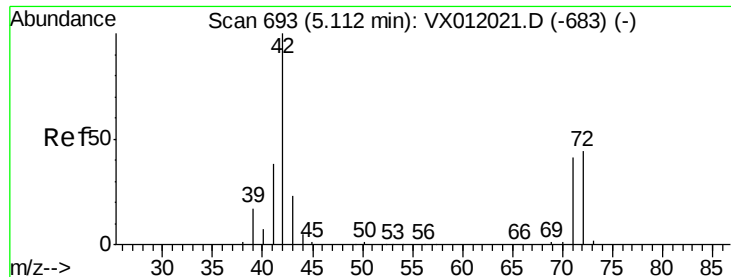
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

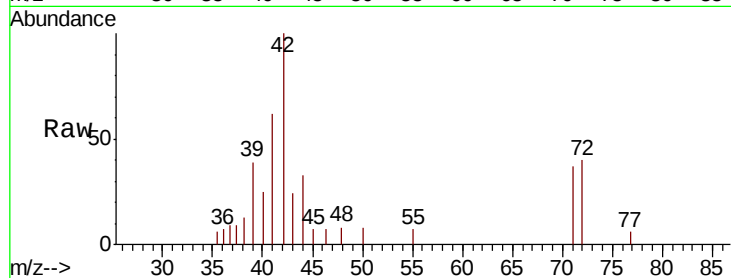




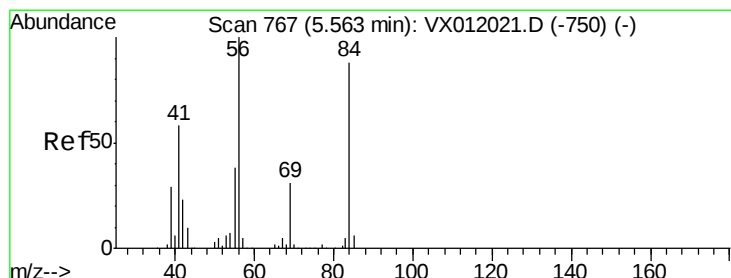
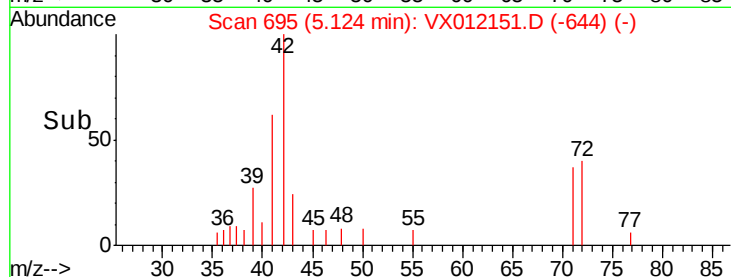
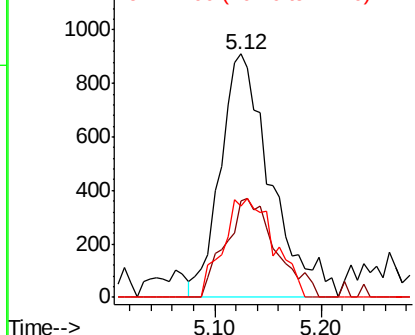
#29
Tetrahydrofuran
Concen: 8.242 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012151.D
Acq: 06 Sep 2019 16:37

Instrument :
MSVOA_X
ClientSampleId :
T12-E2-(2.7)

Tgt Ion: 42 Resp: 3015
Ion Ratio Lower Upper
42 100
72 40.2 37.0 55.4
71 40.9 33.8 50.8

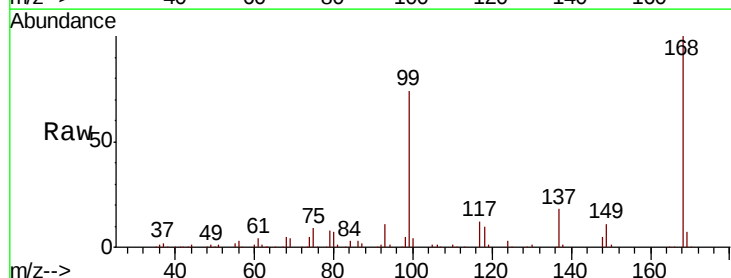


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

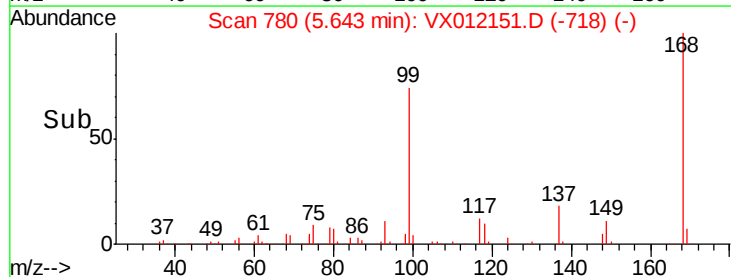
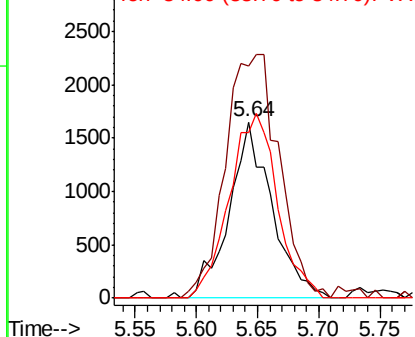


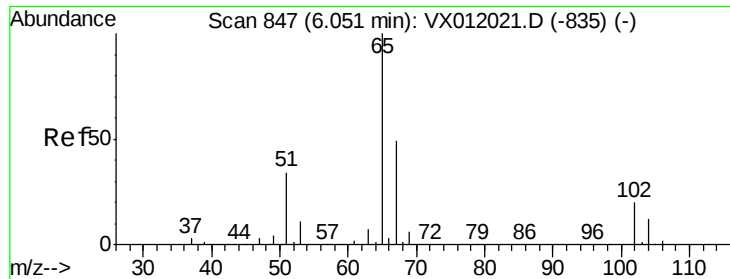
#31
Cyclohexane
Concen: 1.630 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012151.D
Acq: 06 Sep 2019 16:37

Tgt Ion: 56 Resp: 3987
Ion Ratio Lower Upper
56 100
69 127.9 25.7 38.5#
84 93.8 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

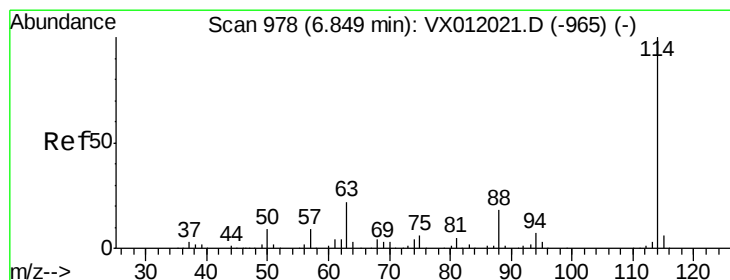
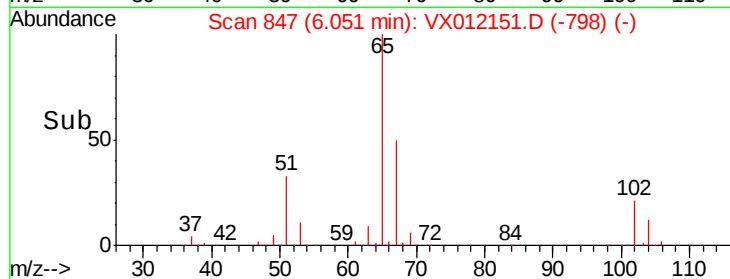
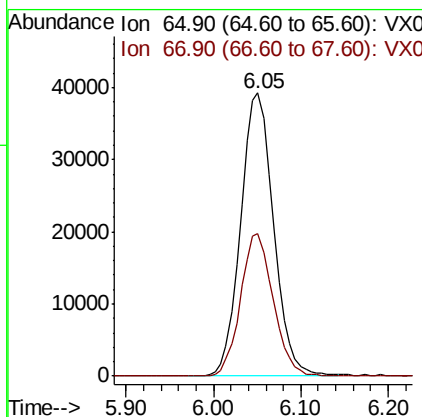
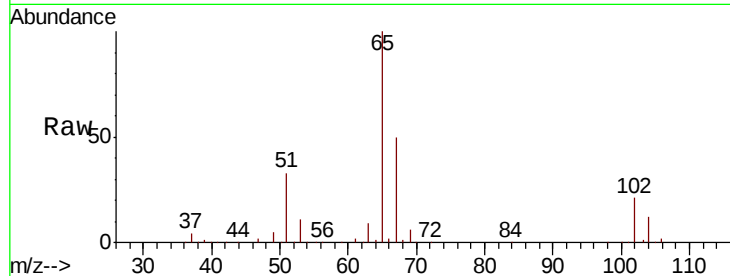




#33
 1,2-Dichloroethane-d4
 Concen: 51.539 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012151.D
 Acq: 06 Sep 2019 16:37

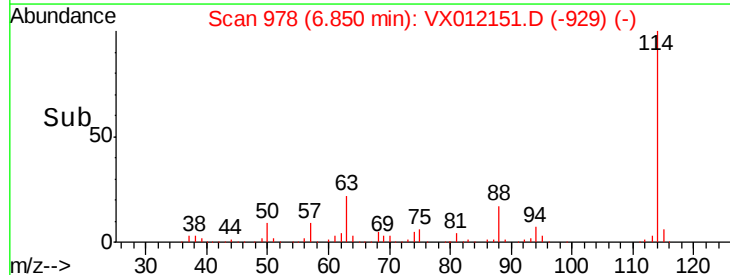
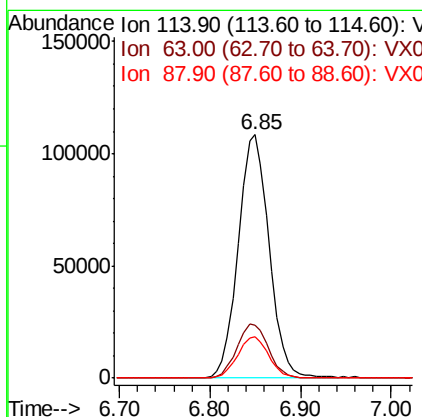
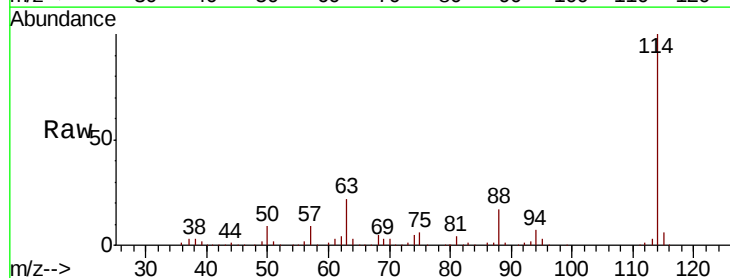
Instrument :
 MSVOA_X
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 T12-E2-(2.7)

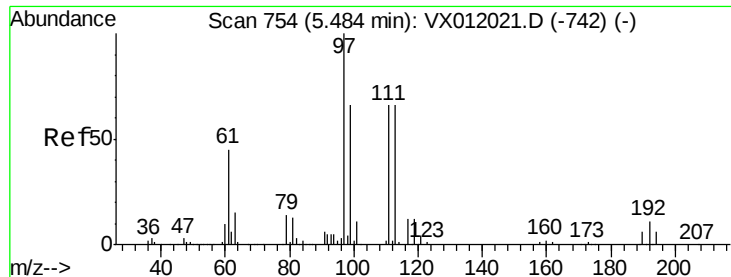
Tgt Ion: 65 Resp: 102854
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012151.D
 Acq: 06 Sep 2019 16:37

Tgt Ion: 114 Resp: 255946
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 37.4
 88 16.8 0.0 29.6

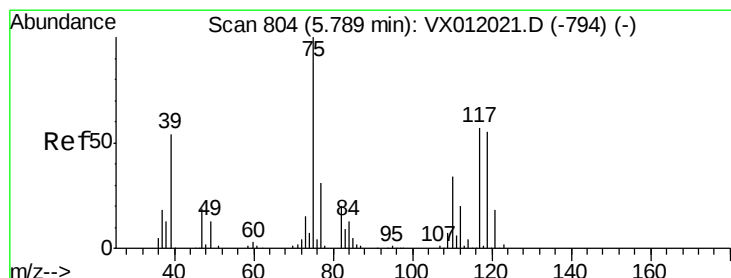
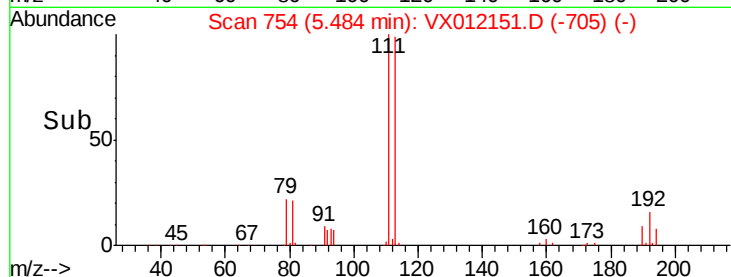
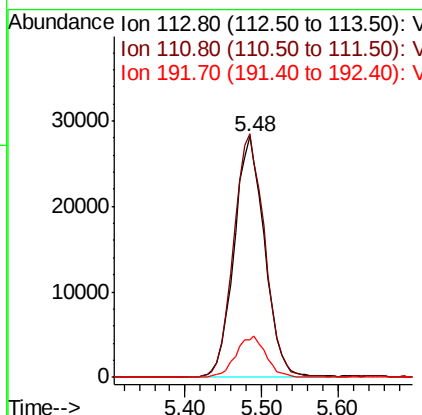
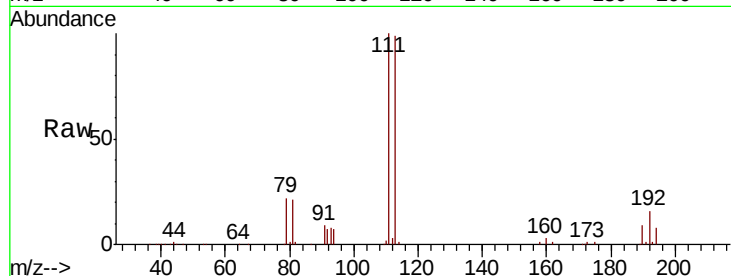




#35
 Dibromofluoromethane
 Concen: 49.411 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012151.D
 Acq: 06 Sep 2019 16:37

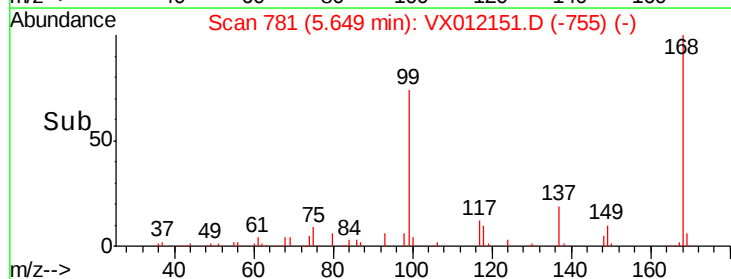
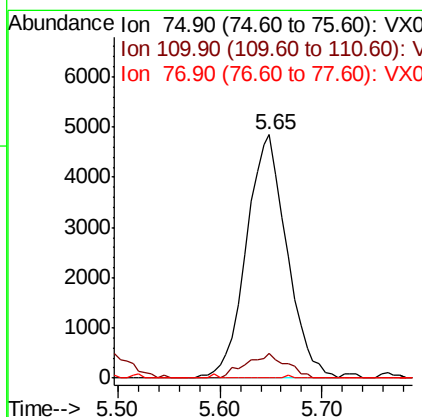
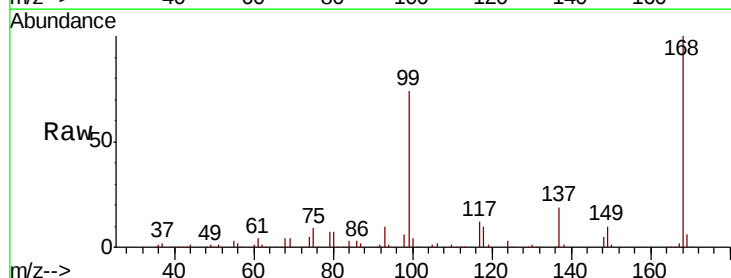
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 MSVOA_X
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 T12-E2-(2.7)

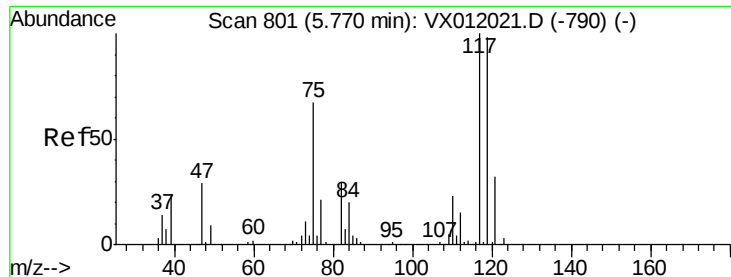
Tgt Ion:113 Resp: 77772
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 17.0 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 5.937 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012151.D
 Acq: 06 Sep 2019 16:37

Tgt Ion: 75 Resp: 13384
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.5 58.5#
 77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.374 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012151.D

Acq: 06 Sep 2019 16:37

Instrument :

MSVOA_X

ClientSampled :

T12-E2-(2.7)

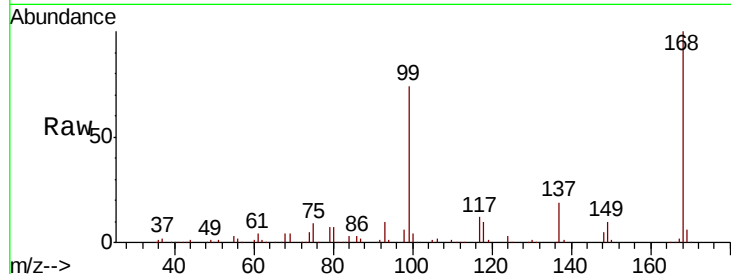
Tgt Ion:117 Resp: 17515

Ion Ratio Lower Upper

117 100

119 4.9 78.3 117.5#

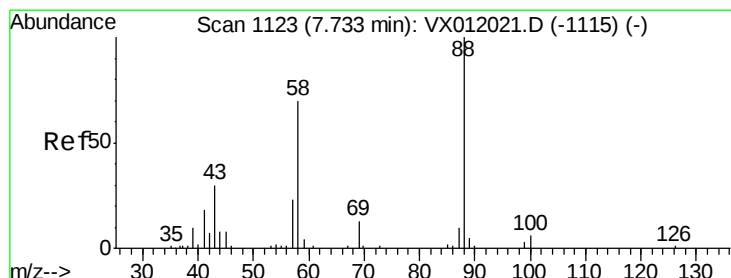
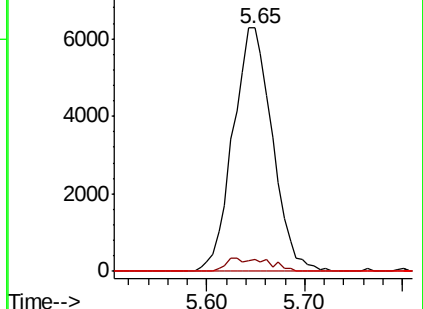
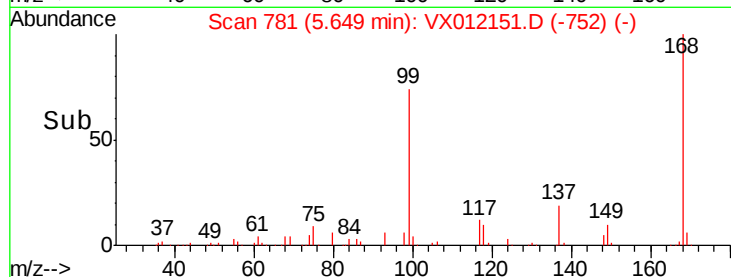
121 0.0 24.2 36.2#



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: 1.288 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX012151.D

Acq: 06 Sep 2019 16:37

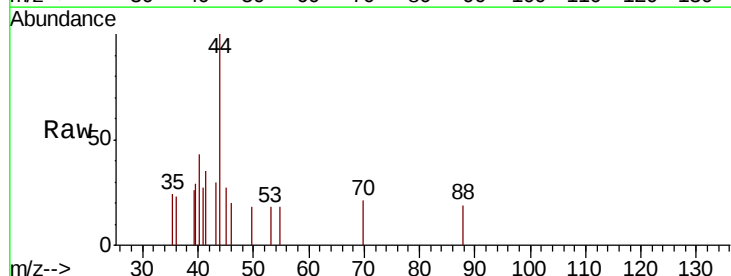
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 500.0 29.8 44.6#

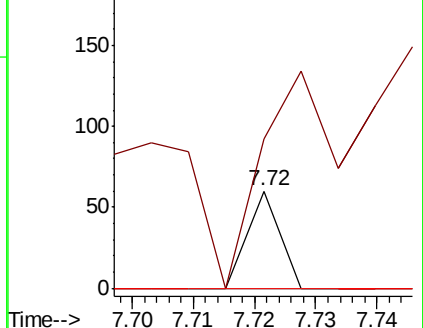
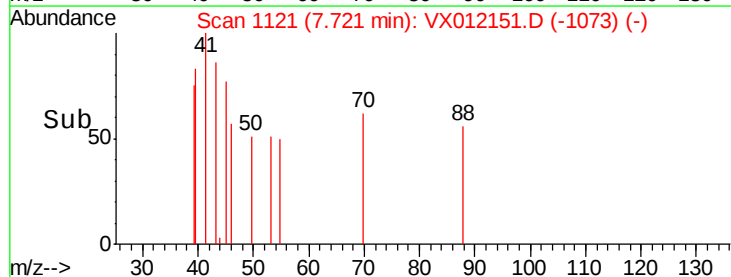
58 0.0 55.4 83.2#

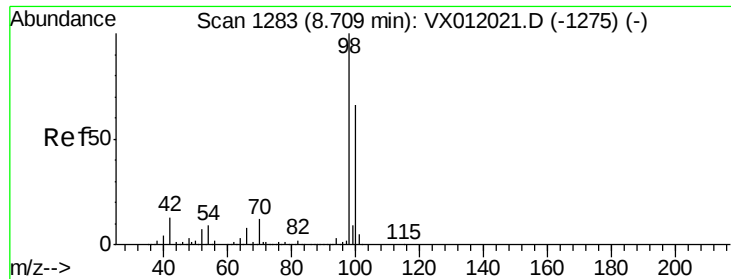


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

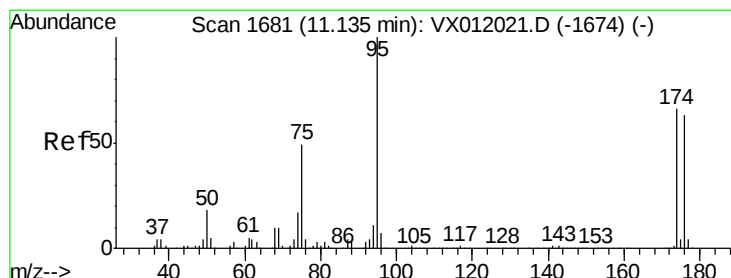
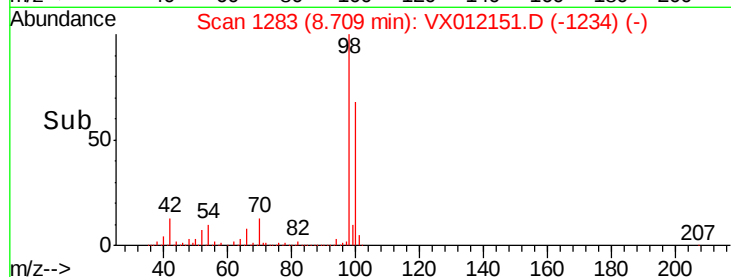
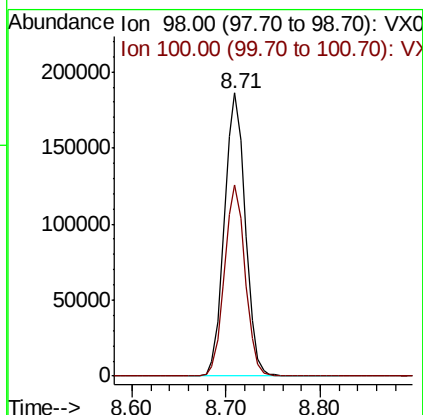
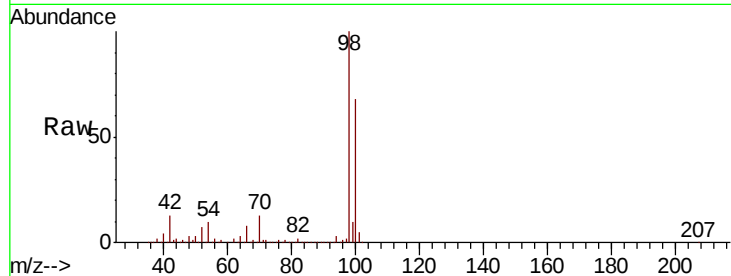




#50
Toluene-d8
Concen: 49.747 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012151.D
Acq: 06 Sep 2019 16:37

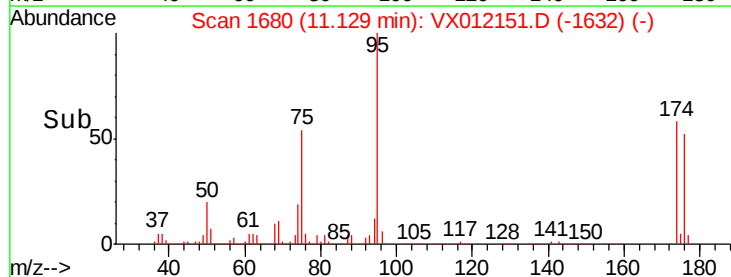
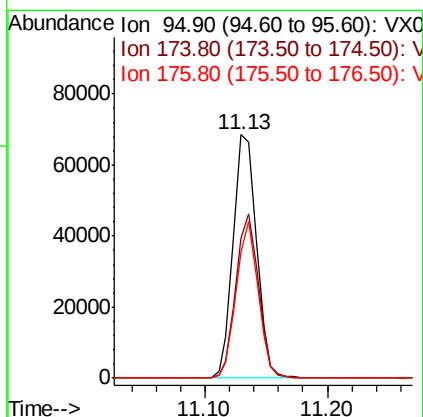
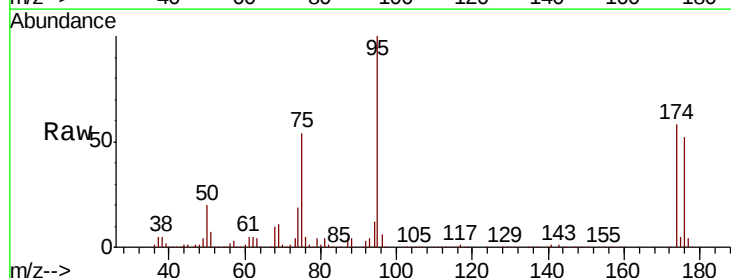
Instrument :
MSVOA_X
ClientSampleId :
T12-E2-(2.7)

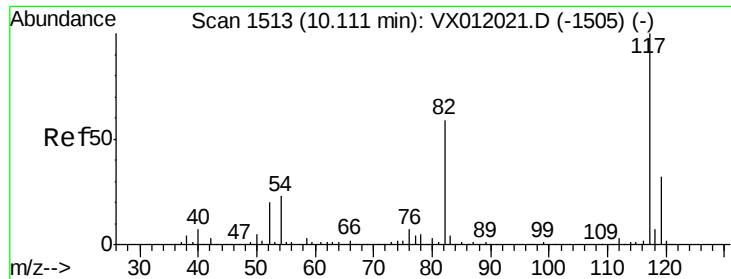
Tgt Ion: 98 Resp: 287333
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 33.804 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012151.D
Acq: 06 Sep 2019 16:37

Tgt Ion: 95 Resp: 90801
Ion Ratio Lower Upper
95 100
174 65.2 0.0 205.4
176 60.2 0.0 201.8

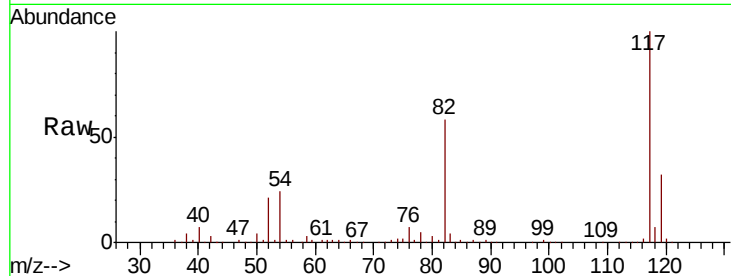




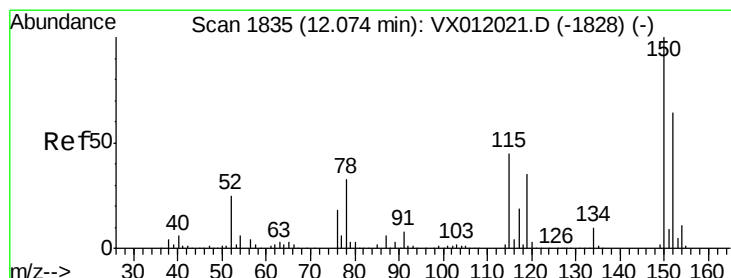
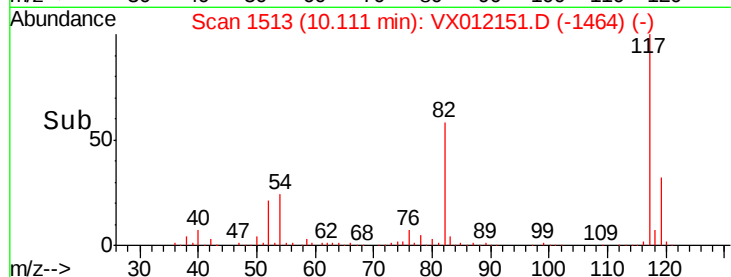
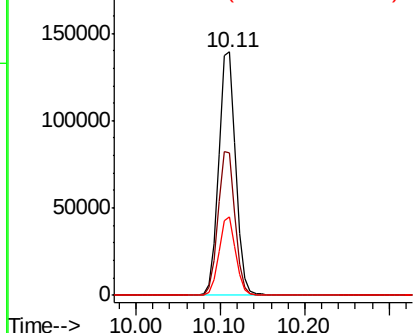
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012151.D
Acq: 06 Sep 2019 16:37

Instrument :
MSVOA_X
ClientSampleId :
T12-E2-(2.7)

Tgt Ion:117 Resp: 195203
Ion Ratio Lower Upper
117 100
82 58.5 39.4 59.0
119 32.1 26.1 39.1

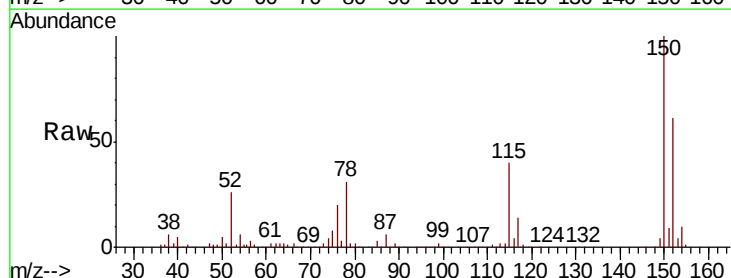


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

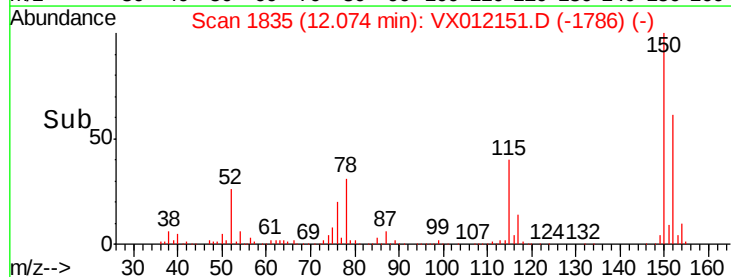
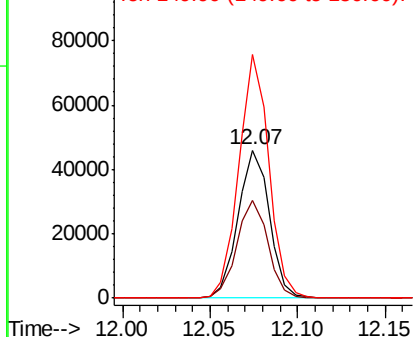


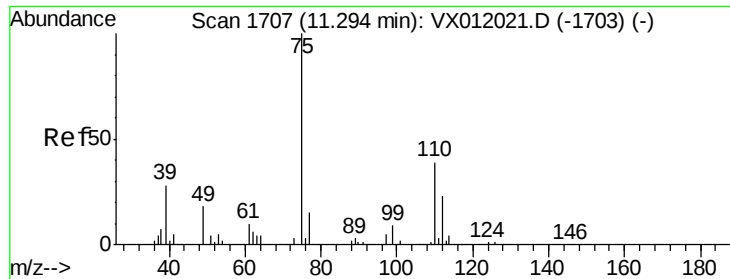
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012151.D
Acq: 06 Sep 2019 16:37

Tgt Ion:152 Resp: 57102
Ion Ratio Lower Upper
152 100
115 66.0 36.4 109.3
150 158.5 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: 68.369 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012151.D

Acq: 06 Sep 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

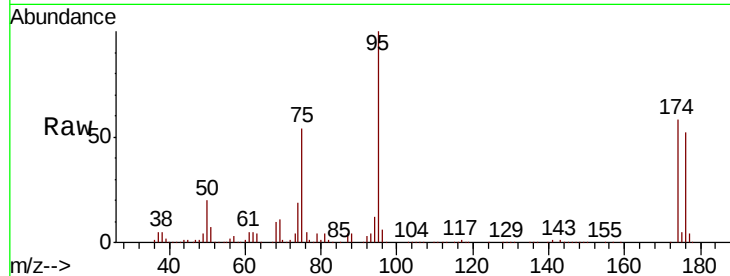
T12-E2-(2.7)

Tgt Ion: 75 Resp: 47701

Ion Ratio Lower Upper

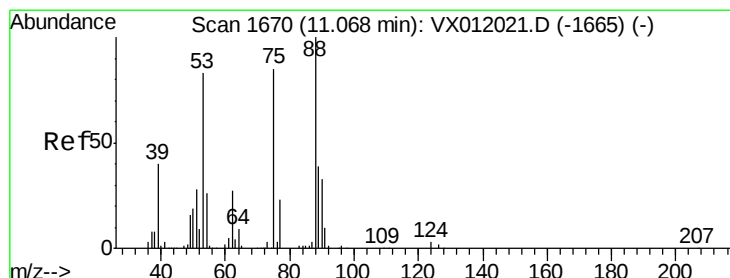
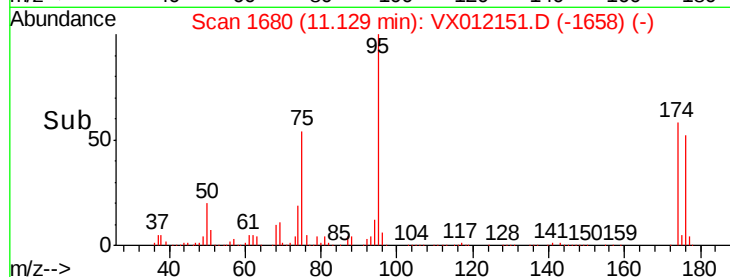
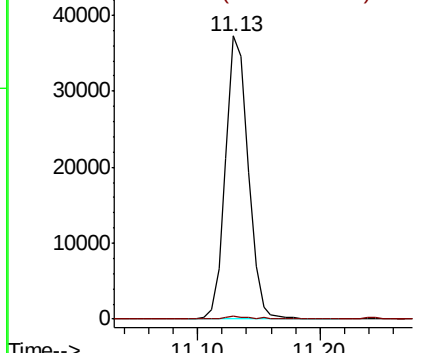
75 100

77 1.2 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: 161.635 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012151.D

Acq: 06 Sep 2019 16:37

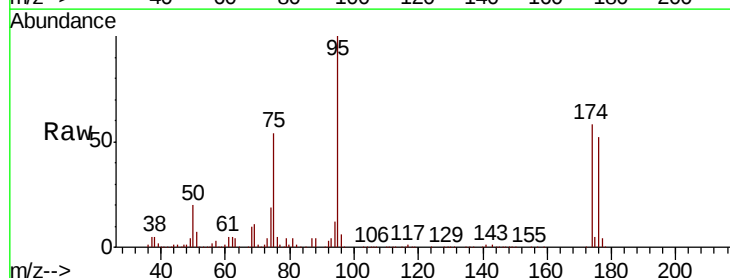
Tgt Ion: 75 Resp: 47701

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

