

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012147.D
 Acq On : 06 Sep 2019 14:46
 Operator : SY/SP
 Sample : K4601-04
 Misc : 3.67g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E3-(0)

Quant Time: Sep 07 01:14:35 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	146435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253209	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86104	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	100614	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	5.48	113	74413	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.71	98	300592	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
62) 4-Bromofluorobenzene	11.13	95	111512	41.96	ug/l	0.00
Spiked Amount			Recovery	=	83.92%	

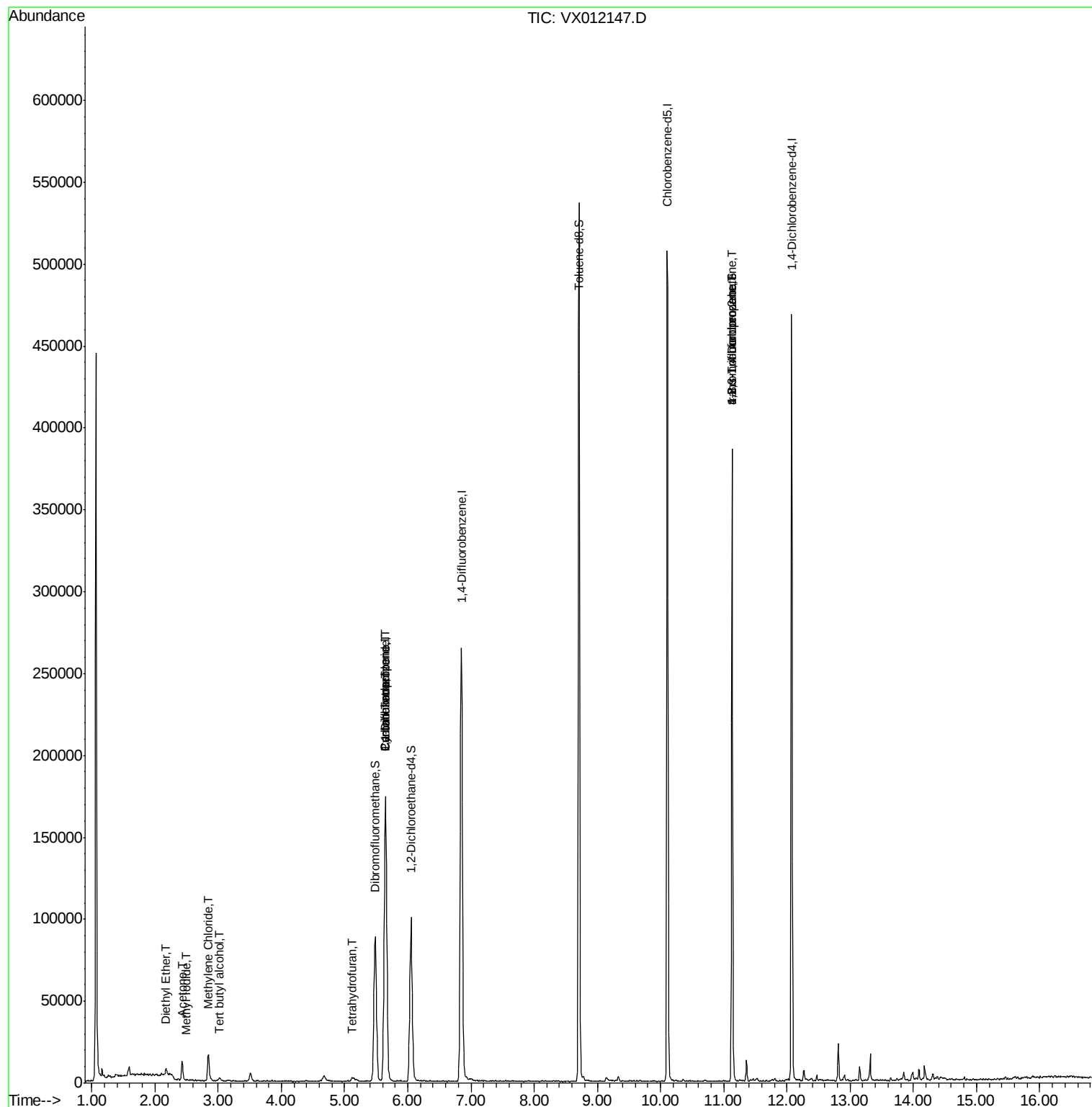
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1122	1.607	ug/l	95
10) Methyl Iodide	2.50	142	57	7.021	ug/l #	1
11) Tert butyl alcohol	3.02	59	1998	10.295	ug/l #	94
13) Acrolein	2.26	56	56	Below Cal	#	40
16) Acetone	2.43	43	11988	24.823	ug/l	95
20) Methylene Chloride	2.84	84	7793	4.018	ug/l	93
29) Tetrahydrofuran	5.13	42	2360	6.372	ug/l	97
31) Cyclohexane	5.65	56	3866	1.561	ug/l #	8
36) 1,1-Dichloropropene	5.64	75	14076	6.312	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17248	7.340	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	59955	56.988	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59955	134.729	ug/l #	10

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

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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: VX012147.D

Acq: 06 Sep 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

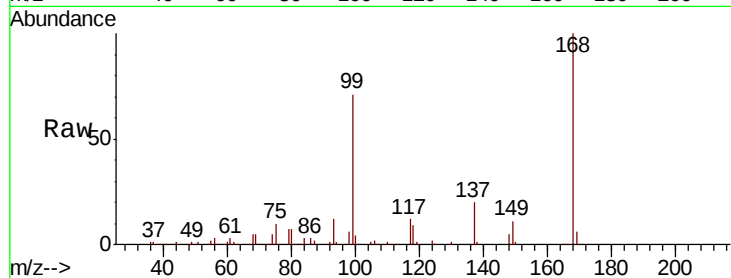
T12-E3-(0)

Tgt Ion:168 Resp: 146435

Ion Ratio Lower Upper

168 100

99 70.9 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

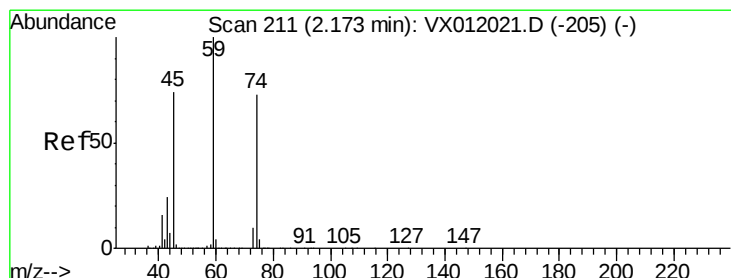
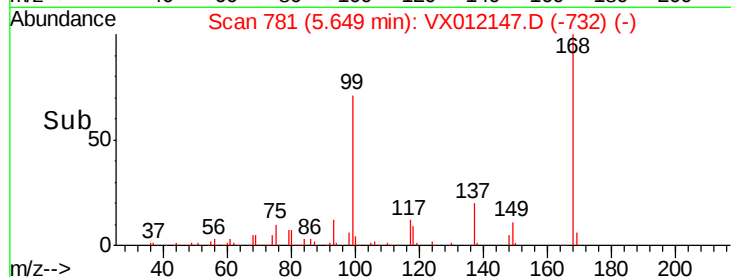
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 1.607 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012147.D

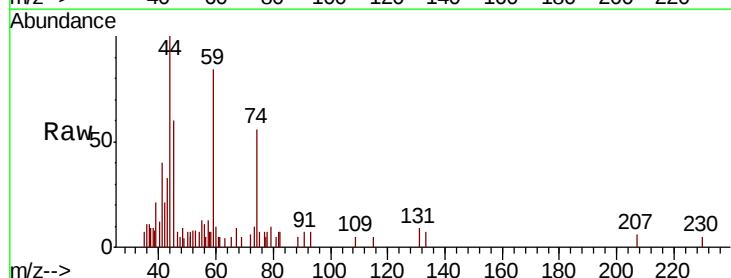
Acq: 06 Sep 2019 14:46

Tgt Ion: 74 Resp: 1122

Ion Ratio Lower Upper

74 100

45 96.4 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

800

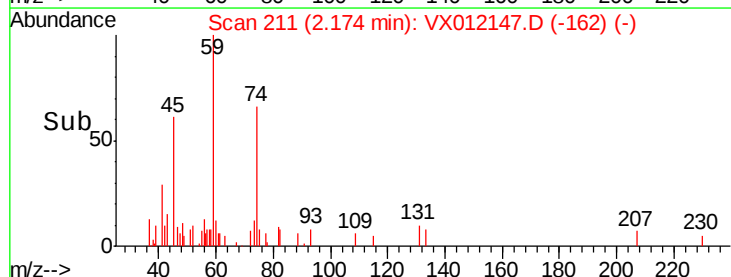
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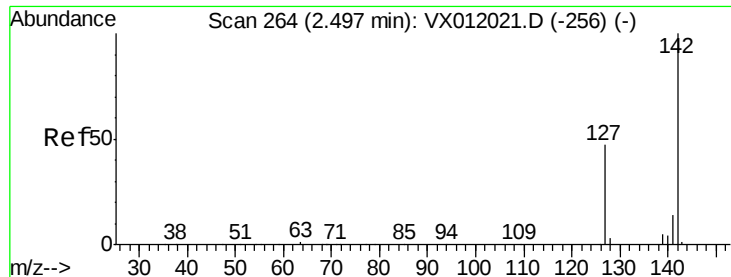
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200

0

Time-->

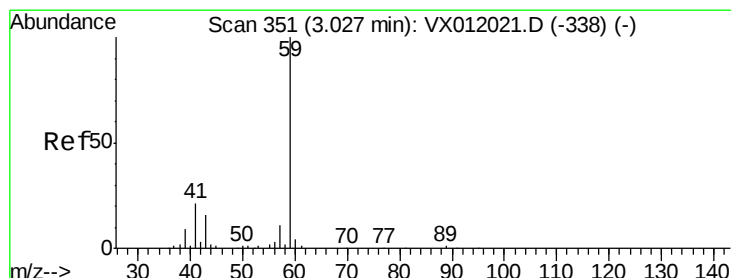
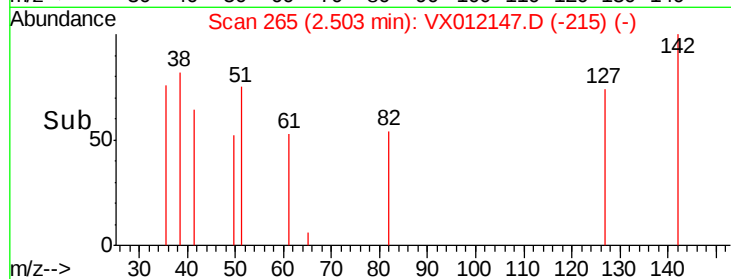
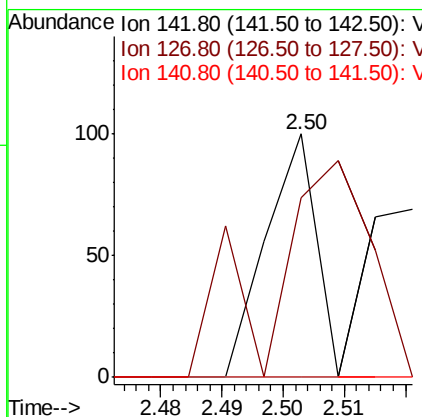
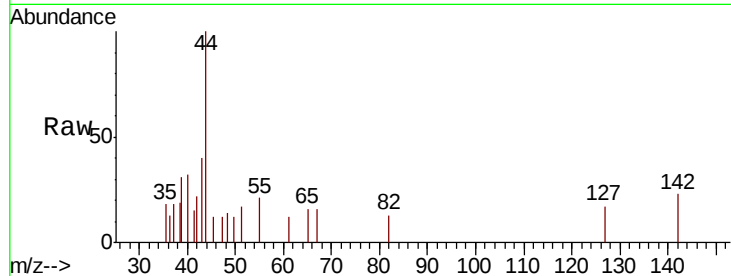




#10
Methyl Iodide
Concen: 7.021 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012147.D
Acq: 06 Sep 2019 14:46

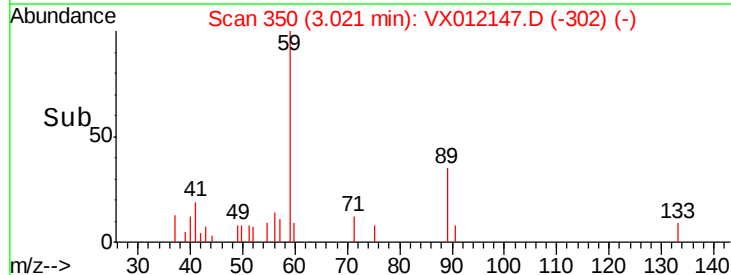
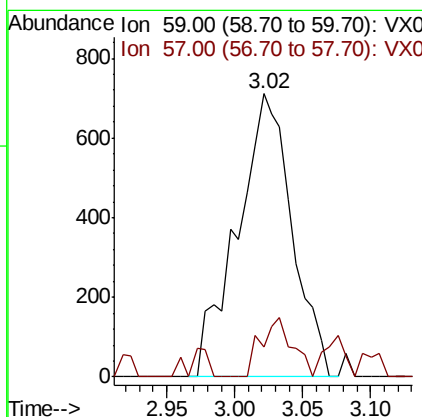
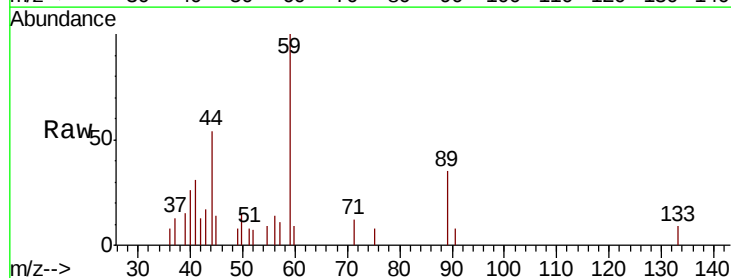
Instrument :
MSVOA_X
ClientSampled :
T12-E3-(0)

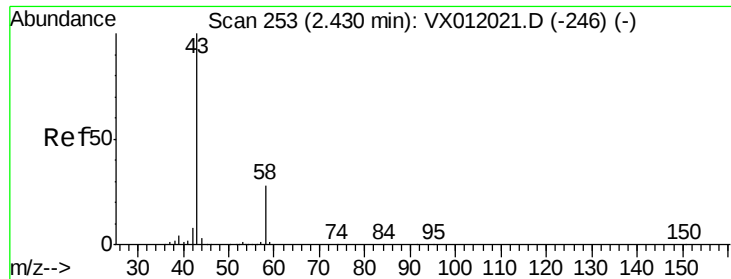
Tgt Ion: 142 Resp: 57
Ion Ratio Lower Upper
142 100
127 177.2 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.295 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012147.D
Acq: 06 Sep 2019 14:46

Tgt Ion: 59 Resp: 1998
Ion Ratio Lower Upper
59 100
57 12.0 7.9 11.9#





#16

Acetone

Concen: 24.823 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012147.D

Acq: 06 Sep 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

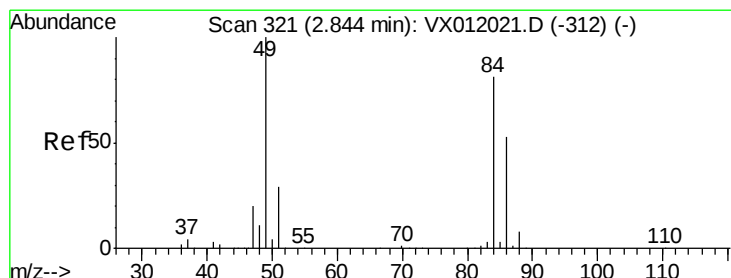
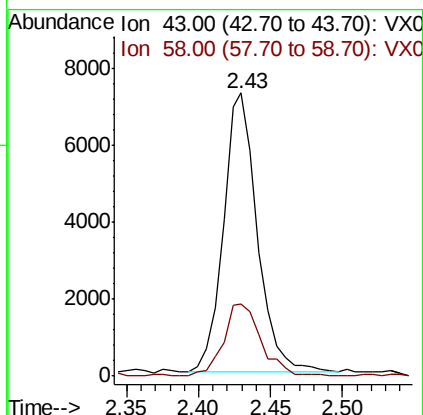
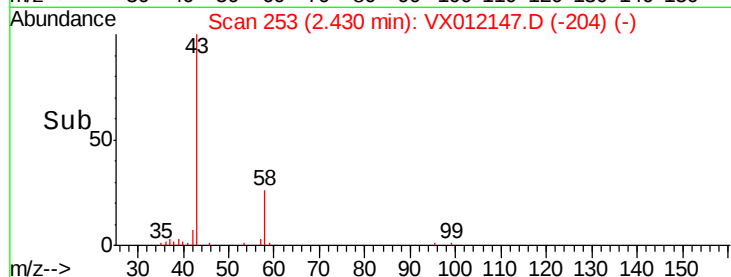
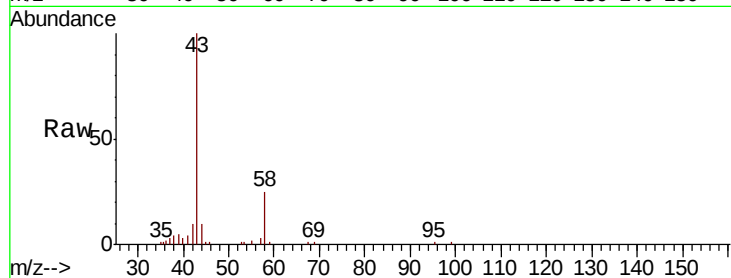
T12-E3-(0)

Tgt Ion: 43 Resp: 11988

Ion Ratio Lower Upper

43 100

58 25.7 22.8 34.2



#20

Methylene Chloride

Concen: 4.018 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012147.D

Acq: 06 Sep 2019 14:46

Tgt Ion: 84 Resp: 7793

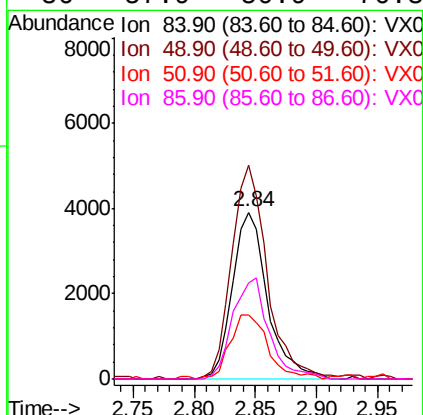
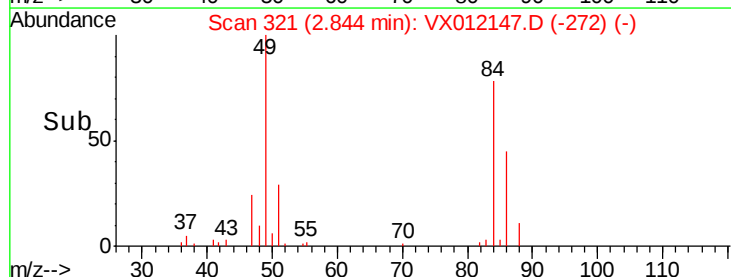
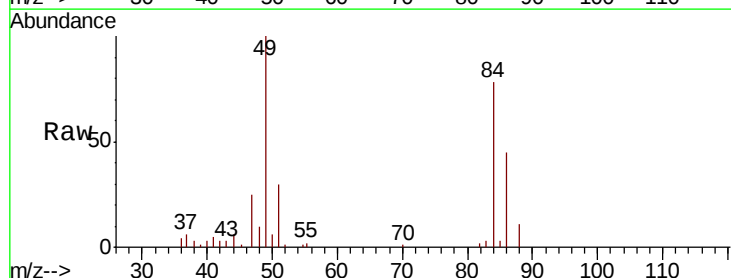
Ion Ratio Lower Upper

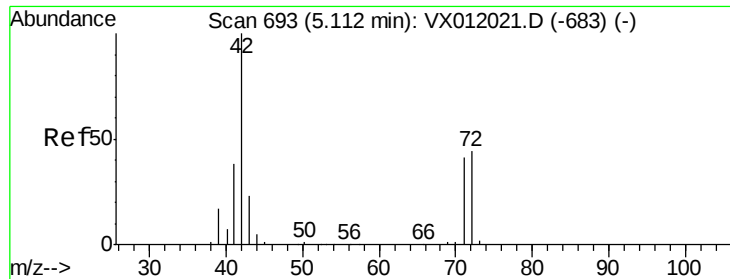
84 100

49 128.2 95.8 143.8

51 36.9 28.6 43.0

86 57.9 50.9 76.3

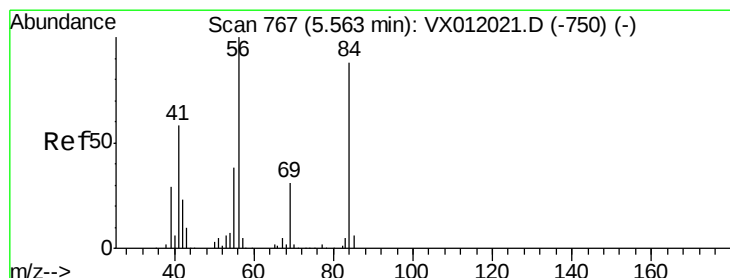
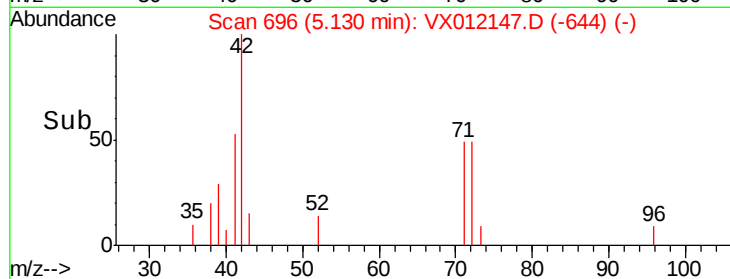
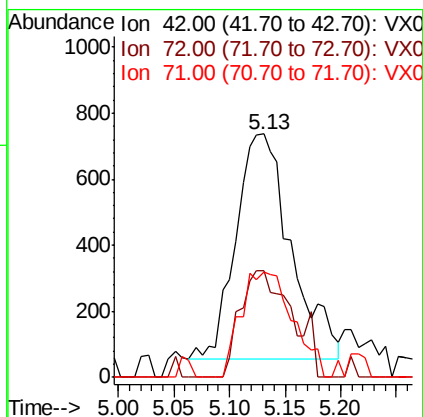
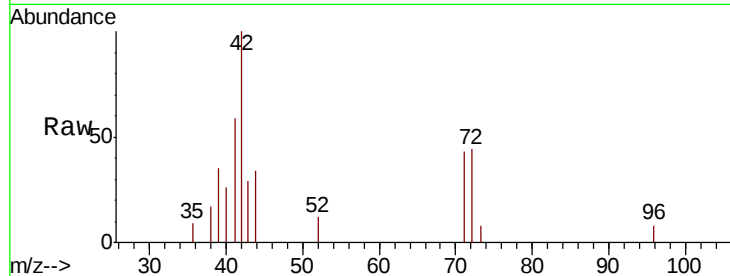




#29
Tetrahydrofuran
Concen: 6.372 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012147.D
Acq: 06 Sep 2019 14:46

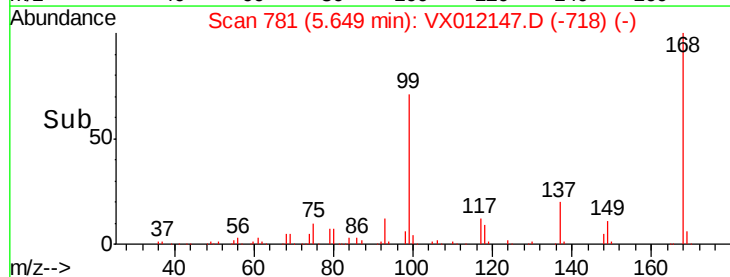
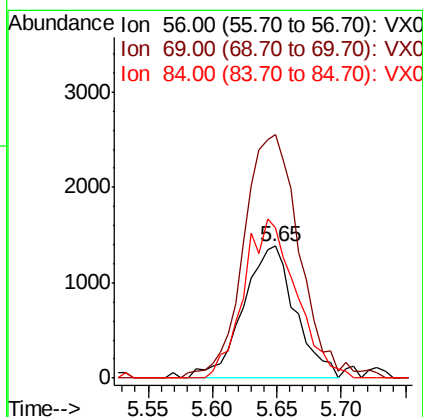
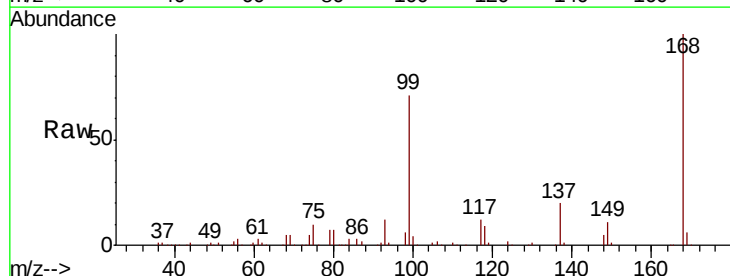
Instrument :
MSVOA_X
ClientSampleId :
T12-E3-(0)

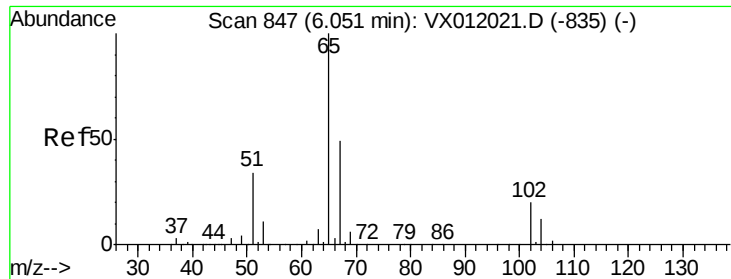
Tgt Ion: 42 Resp: 2360
Ion Ratio Lower Upper
42 100
72 43.8 37.0 55.4
71 44.1 33.8 50.8



#31
Cyclohexane
Concen: 1.561 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012147.D
Acq: 06 Sep 2019 14:46

Tgt Ion: 56 Resp: 3866
Ion Ratio Lower Upper
56 100
69 181.0 25.7 38.5#
84 113.9 70.3 105.5#

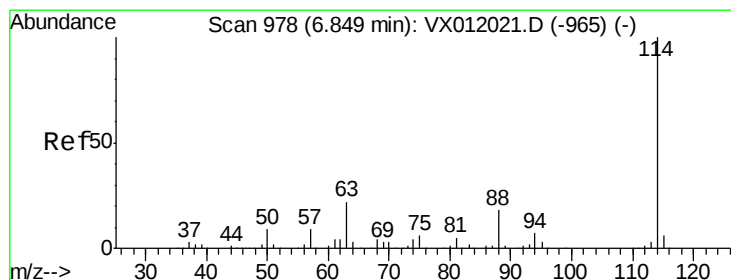
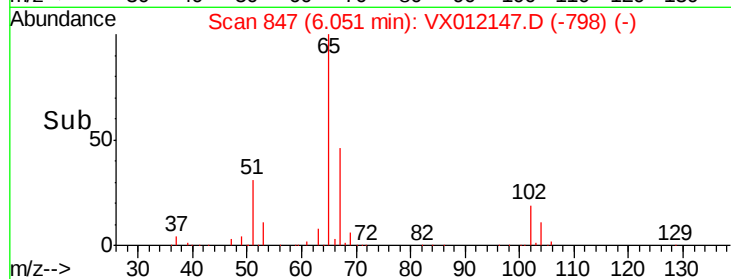
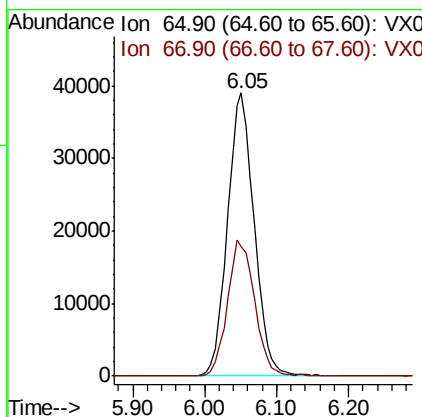
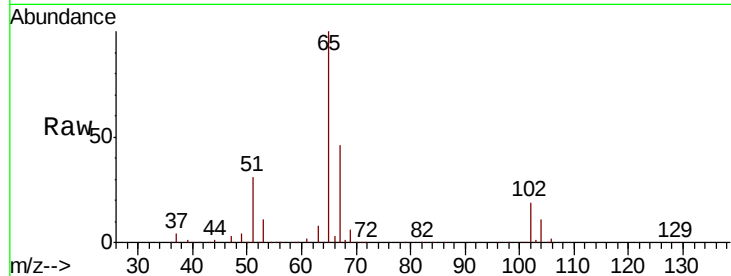




#33
 1,2-Dichloroethane-d4
 Concen: 49.796 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012147.D
 Acq: 06 Sep 2019 14:46

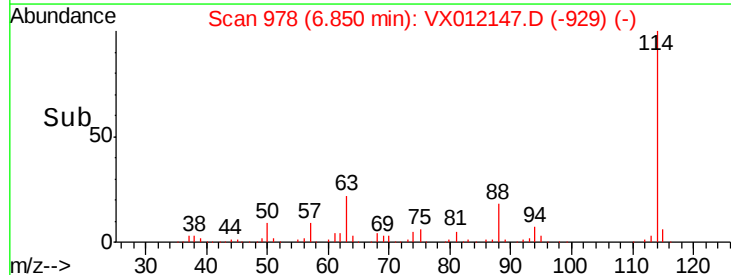
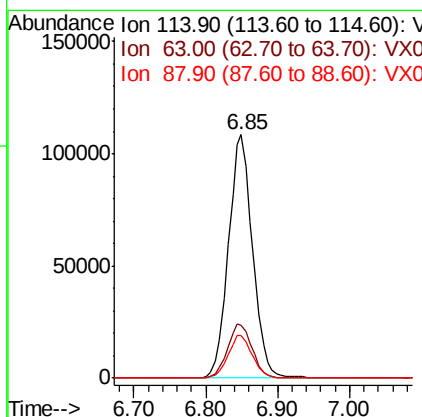
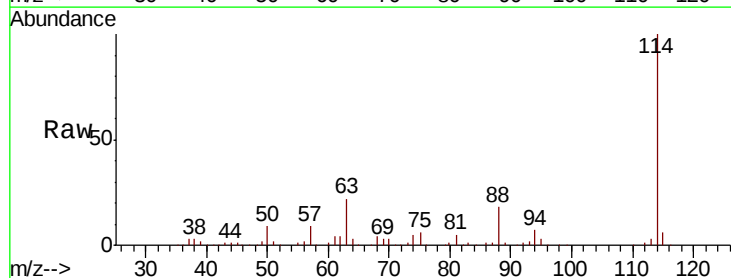
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E3-(0)

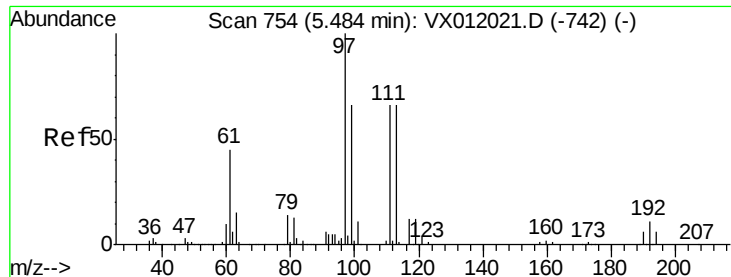
Tgt Ion: 65 Resp: 100614
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012147.D
 Acq: 06 Sep 2019 14:46

Tgt Ion: 114 Resp: 253209
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 37.4
 88 17.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.788 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012147.D

Acq: 06 Sep 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

T12-E3-(0)

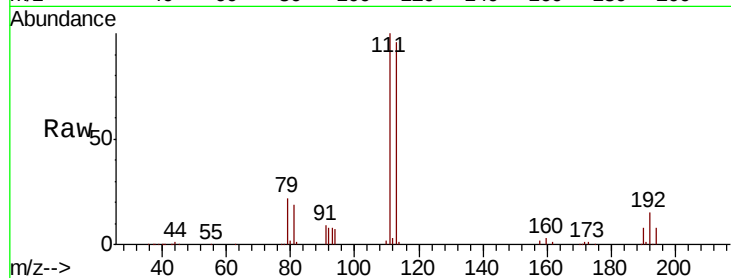
Tgt Ion:113 Resp: 74413

Ion Ratio Lower Upper

113 100

111 103.4 81.7 122.5

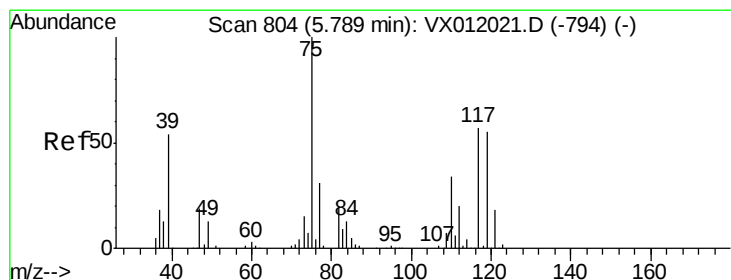
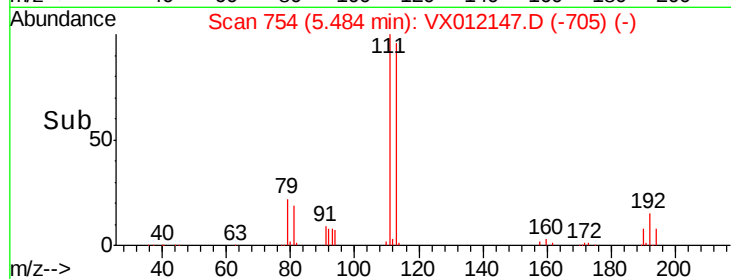
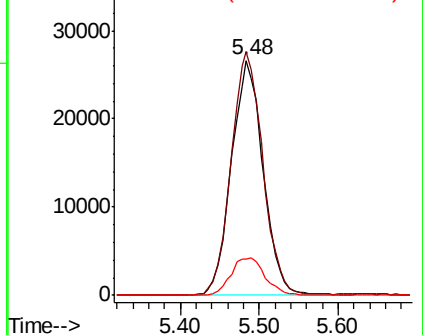
192 17.2 22.5 33.7#



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: 6.312 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012147.D

Acq: 06 Sep 2019 14:46

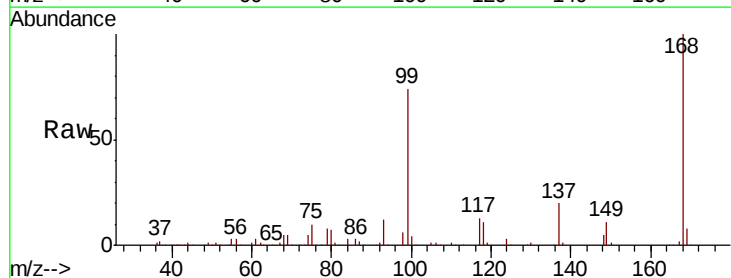
Tgt Ion: 75 Resp: 14076

Ion Ratio Lower Upper

75 100

110 10.2 19.5 58.5#

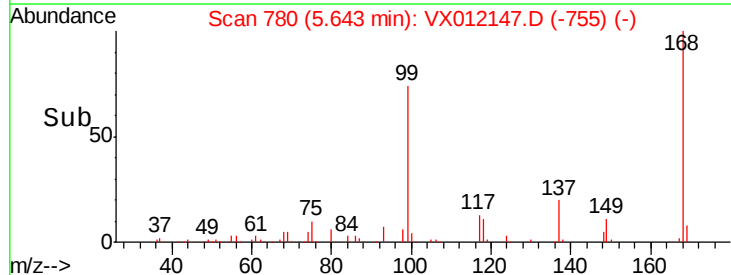
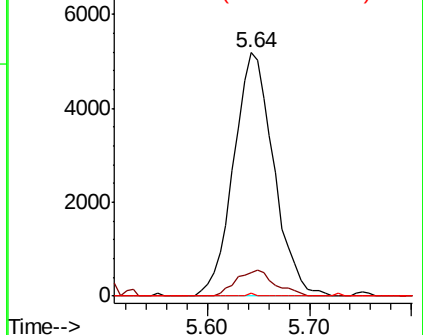
77 0.1 24.6 37.0#

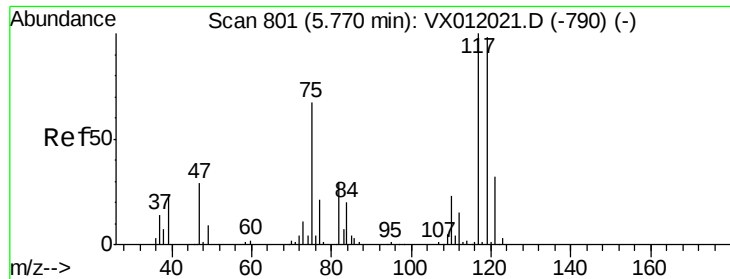


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

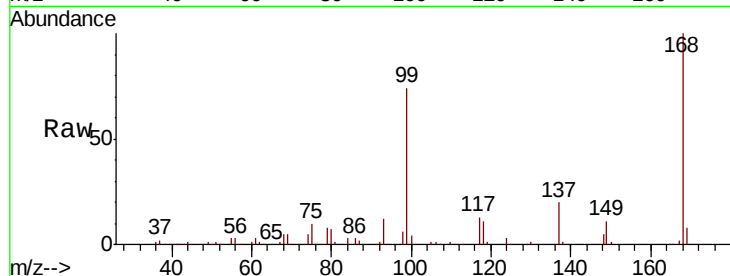




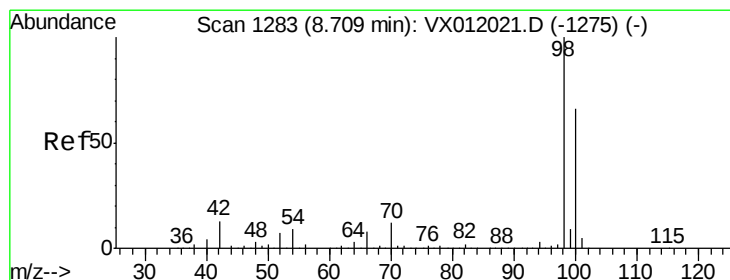
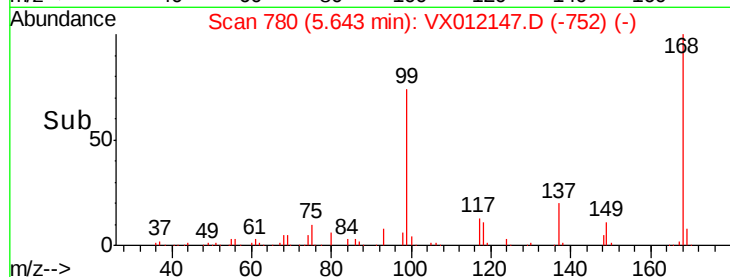
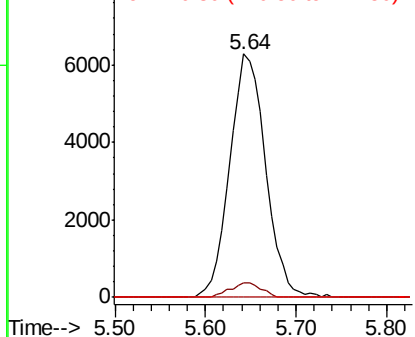
#38
Carbon Tetrachloride
Concen: 7.340 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012147.D
Acq: 06 Sep 2019 14:46

Instrument :
MSVOA_X
ClientSampleId :
T12-E3-(0)

Tgt Ion:117 Resp: 17248
Ion Ratio Lower Upper
117 100
119 6.2 78.3 117.5#
121 0.0 24.2 36.2#

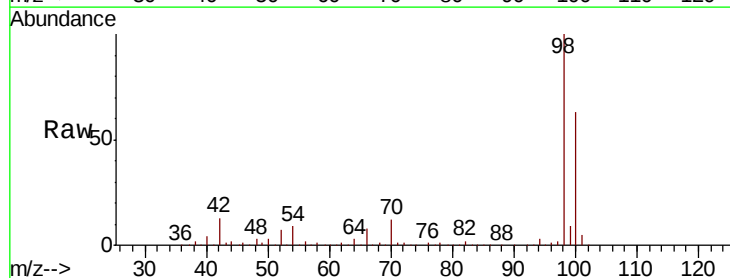


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

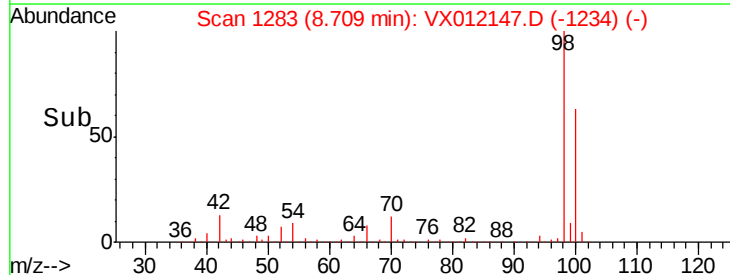
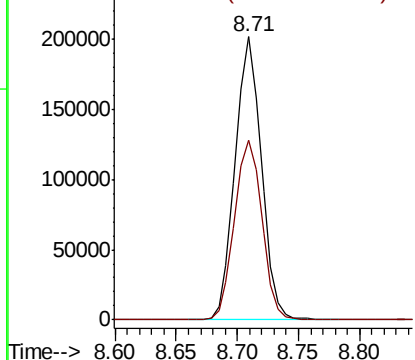


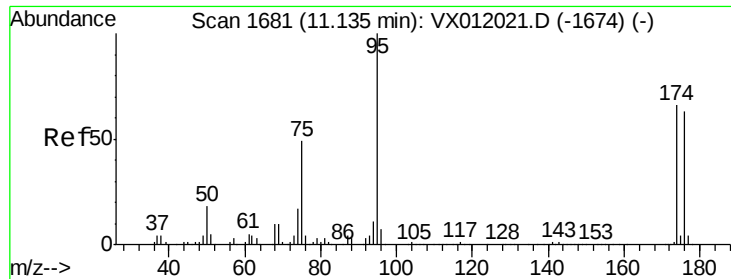
#50
Toluene-d8
Concen: 52.606 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012147.D
Acq: 06 Sep 2019 14:46

Tgt Ion: 98 Resp: 300592
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

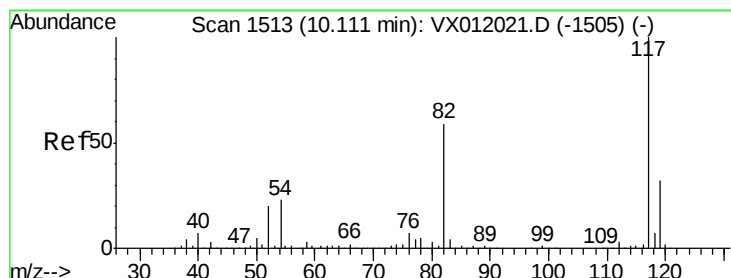
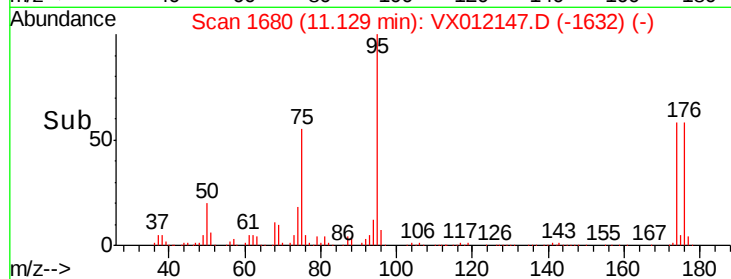
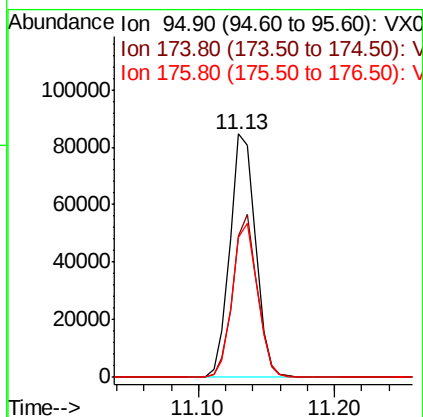
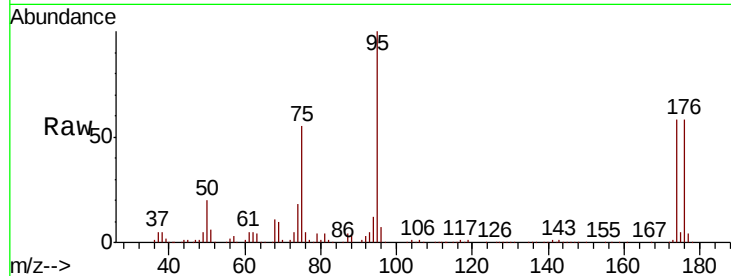




#62
4-Bromofluorobenzene
Concen: 41.963 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012147.D
Acq: 06 Sep 2019 14:46

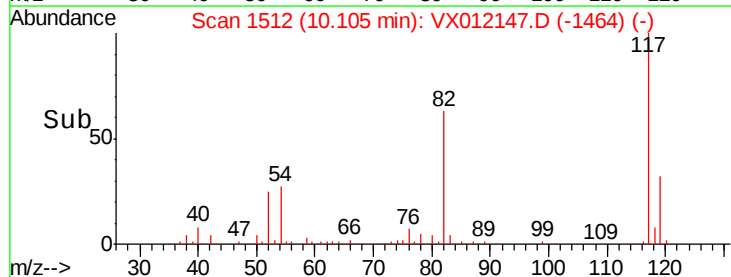
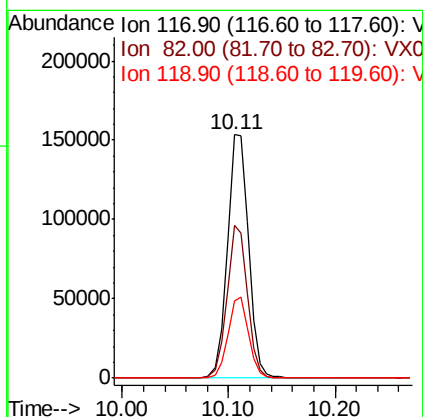
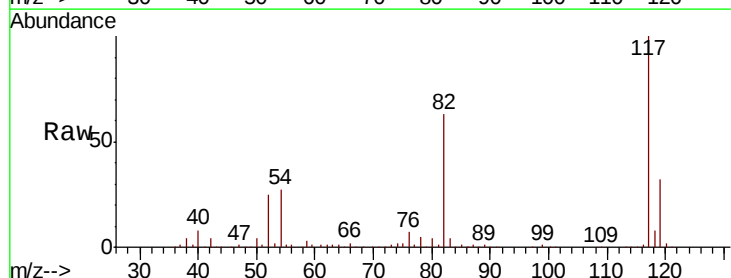
Instrument :
MSVOA_X
ClientSampled :
T12-E3-(0)

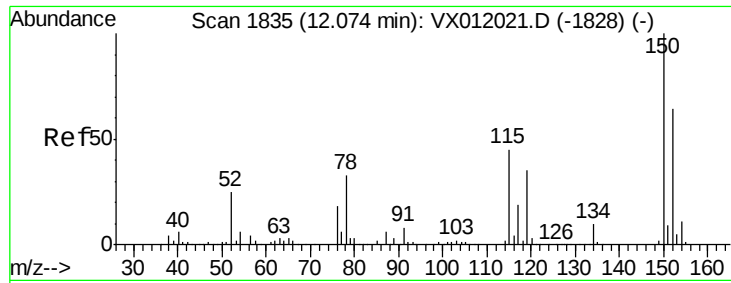
Tgt Ion: 95 Resp: 111512
Ion Ratio Lower Upper
95 100
174 63.8 0.0 205.4
176 62.1 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012147.D
Acq: 06 Sep 2019 14:46

Tgt Ion: 117 Resp: 214362
Ion Ratio Lower Upper
117 100
82 62.8 39.4 59.0#
119 31.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012147.D

Acq: 06 Sep 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

T12-E3-(0)

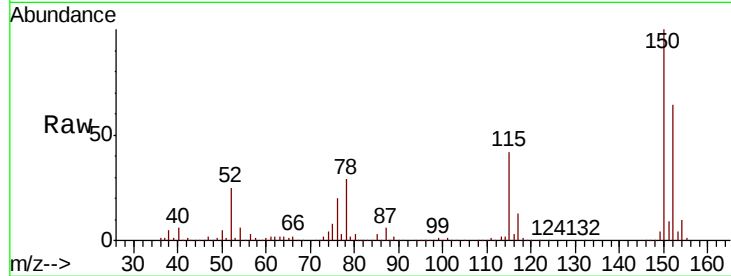
Tgt Ion:152 Resp: 86104

Ion Ratio Lower Upper

152 100

115 66.7 36.4 109.3

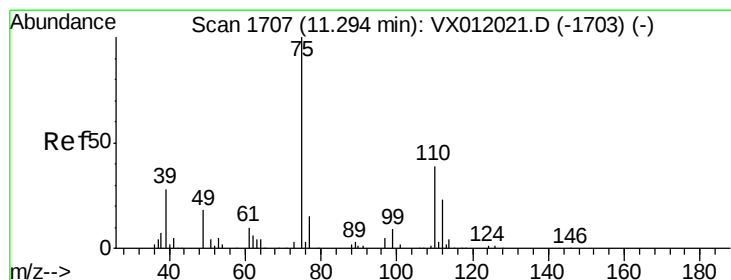
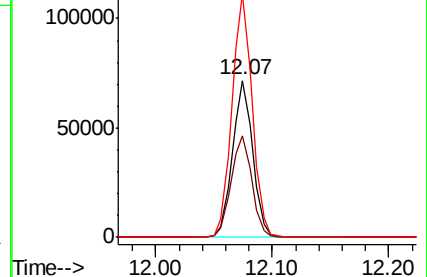
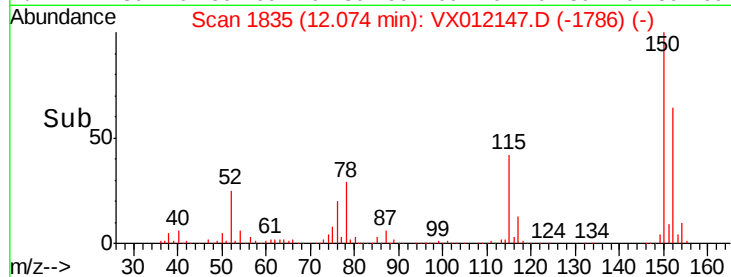
150 155.3 0.0 341.2



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: 56.988 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012147.D

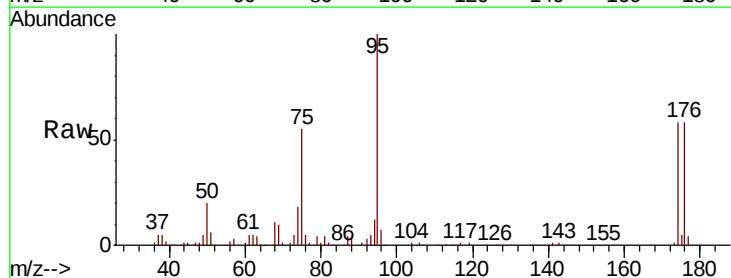
Acq: 06 Sep 2019 14:46

Tgt Ion: 75 Resp: 59955

Ion Ratio Lower Upper

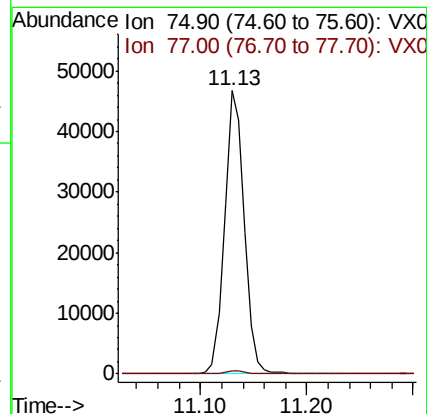
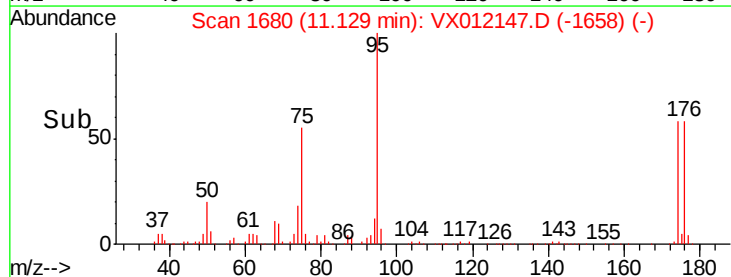
75 100

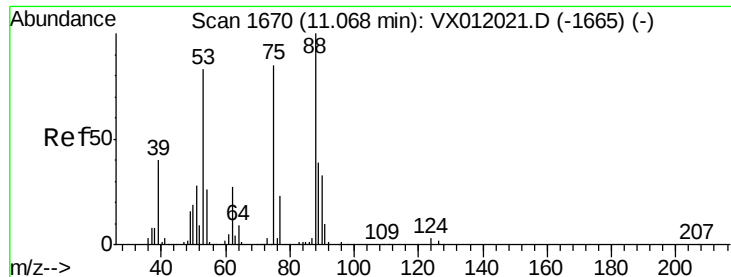
77 1.3 23.5 70.5#



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: 134.729 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012147.D

Acq: 06 Sep 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

T12-E3-(0)

Tgt Ion: 75 Resp: 59955

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.1 38.8 58.2#

