

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012127.D
 Acq On : 06 Sep 2019 04:43
 Operator : SY/SP
 Sample : K4580-01
 Misc : 4.22g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-A3-(3.5)

Quant Time: Sep 06 05:49:36 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	5.64	168	155838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97209	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	108061	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	5.48	113	80657	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	319589	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	122663	42.94	ug/l	0.00
Spiked Amount			Recovery	=	85.88%	

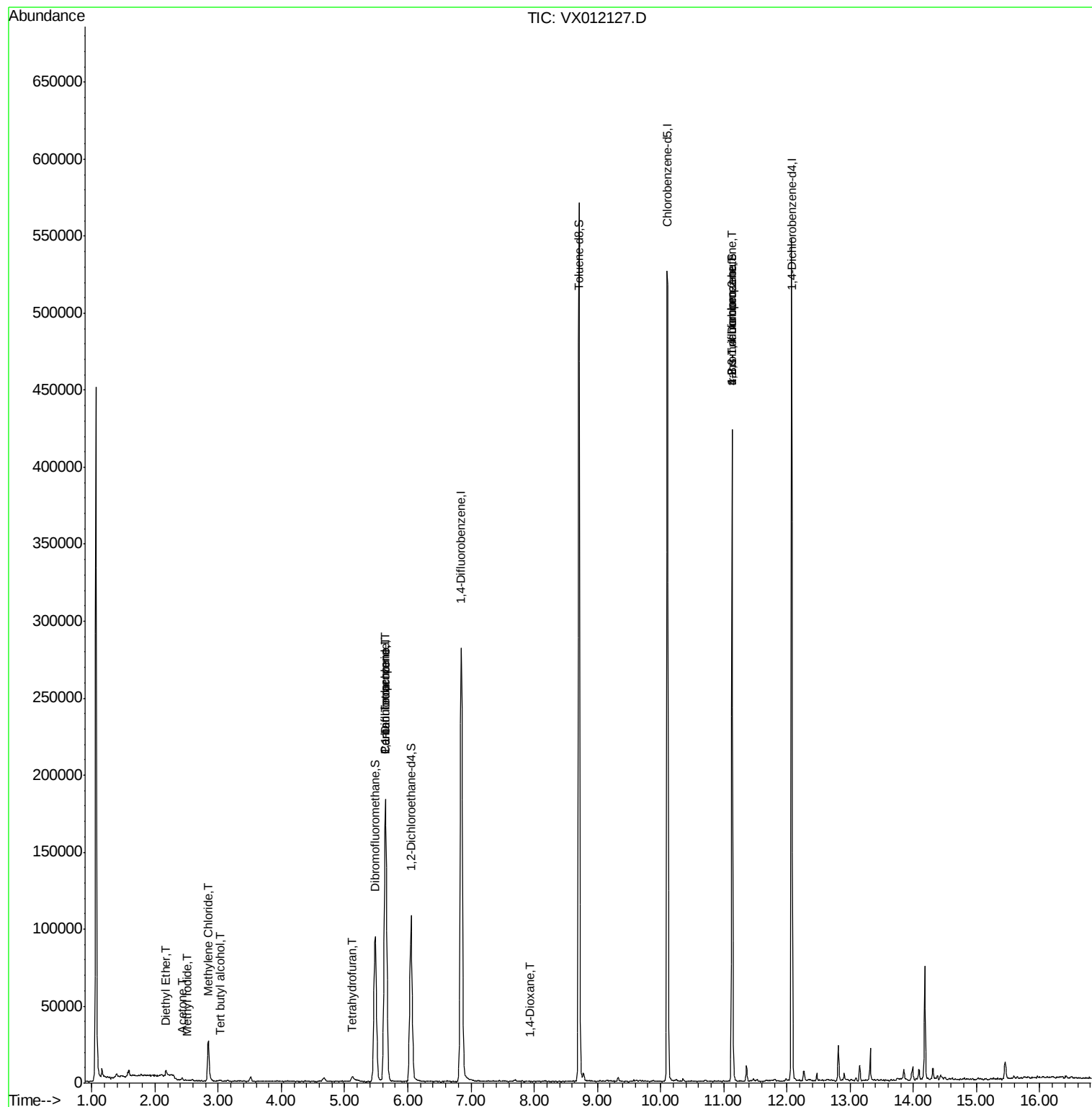
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1164	1.566	ug/l	92
10) Methyl Iodide	2.51	142	70	7.026	ug/l #	40
11) Tert butyl alcohol	3.03	59	984	4.764	ug/l	98
13) Acrolein	2.27	56	150	Below Cal	#	12
16) Acetone	2.43	43	1558	3.031	ug/l	98
20) Methylene Chloride	2.84	84	12004	5.816	ug/l	91
29) Tetrahydrofuran	5.13	42	3747	9.506	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	14746	6.151	ug/l #	48
38) Carbon Tetrachloride	5.64	117	18118	7.172	ug/l #	16
49) 1,4-Dioxane	7.93	88	21	1.156	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64707	54.479	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	64707	128.796	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: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampleId :

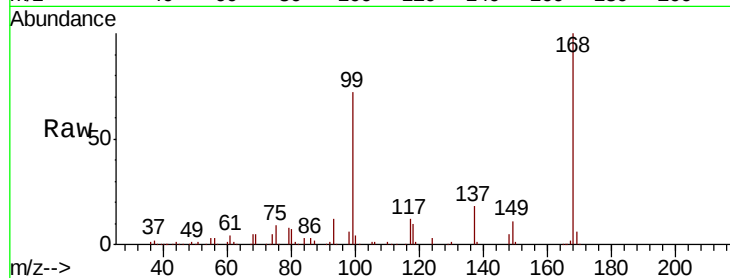
T12-A3-(3.5)

Tgt Ion:168 Resp: 155838

Ion Ratio Lower Upper

168 100

99 72.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

30000

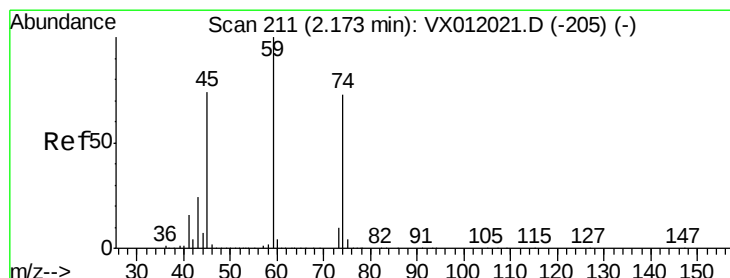
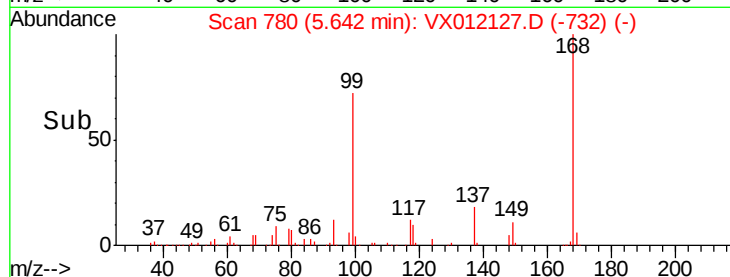
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.566 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012127.D

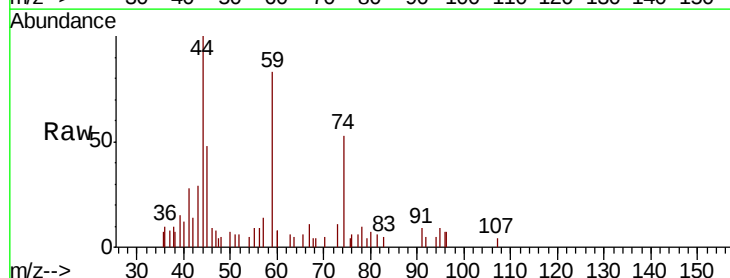
Acq: 06 Sep 2019 04:43

Tgt Ion: 74 Resp: 1164

Ion Ratio Lower Upper

74 100

45 84.4 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

600

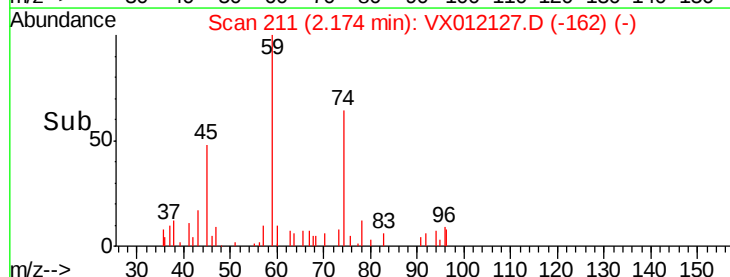
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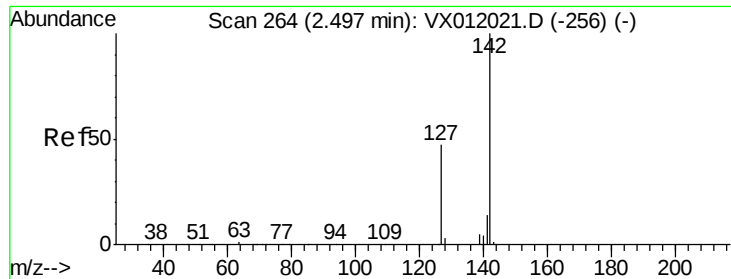
200

0

Time-->

2.10 2.15 2.20 2.25

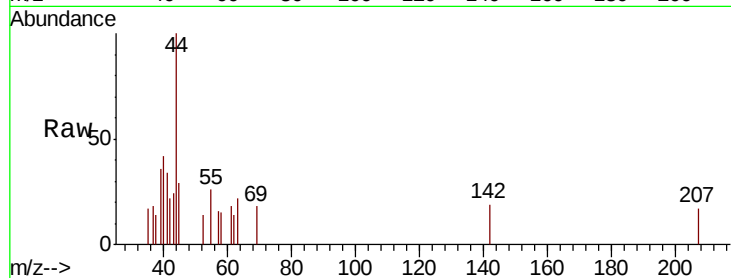




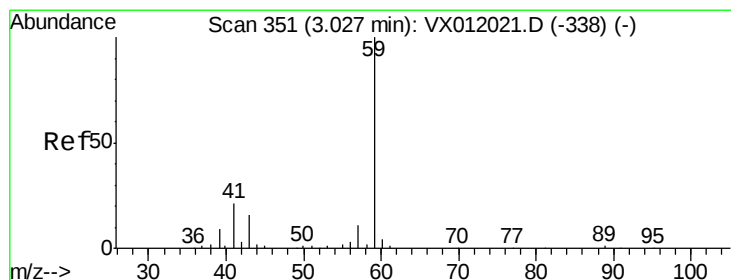
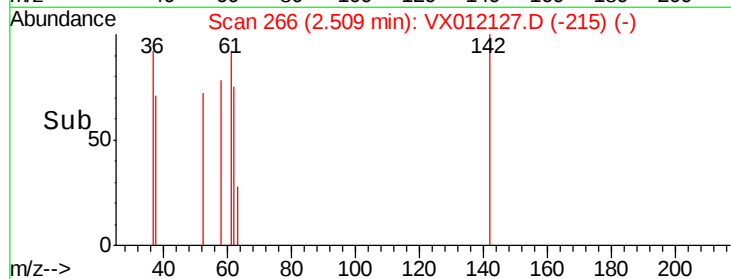
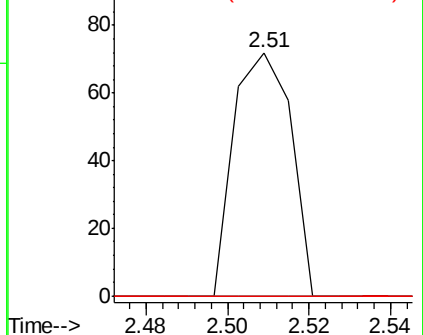
#10
Methyl Iodide
Concen: 7.026 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

Instrument :
MSVOA_X
ClientSampleId :
T12-A3-(3.5)

Tgt Ion: 142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

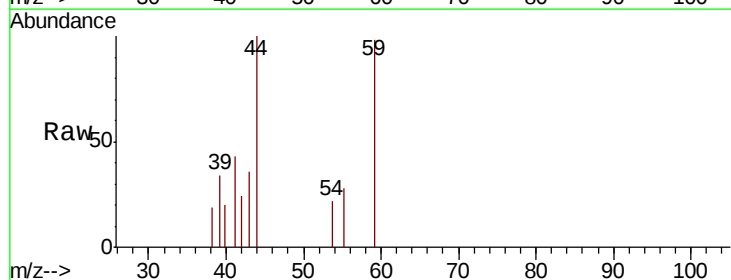


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

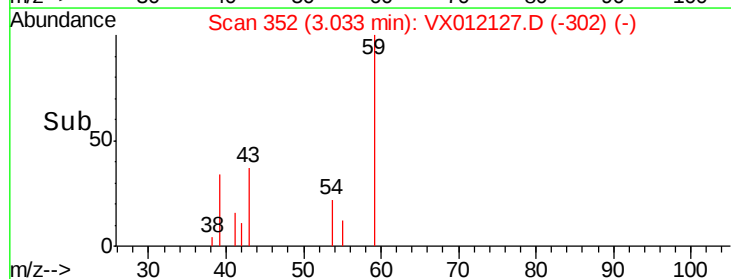
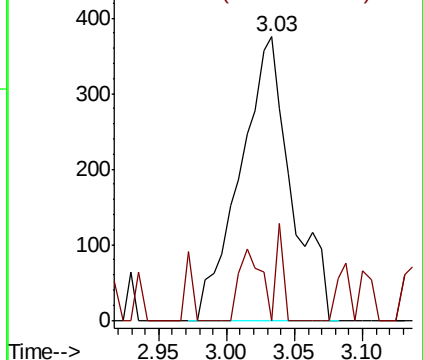


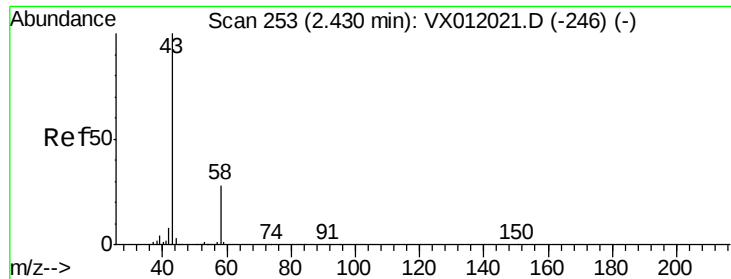
#11
Tert butyl alcohol
Concen: 4.764 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

Tgt Ion: 59 Resp: 984
Ion Ratio Lower Upper
59 100
57 10.8 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.031 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampleId :

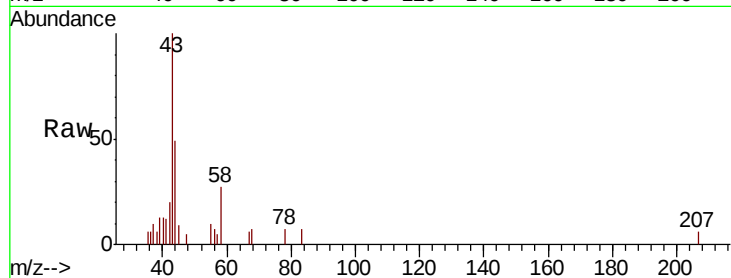
T12-A3-(3.5)

Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

58 29.5 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

400

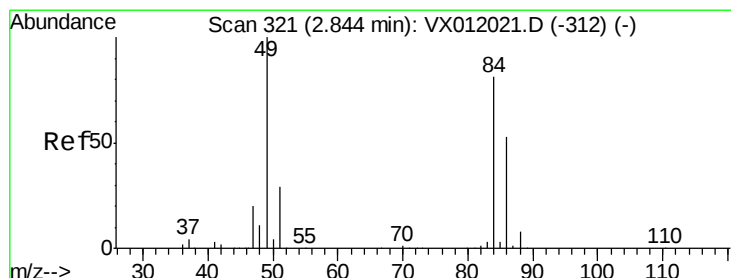
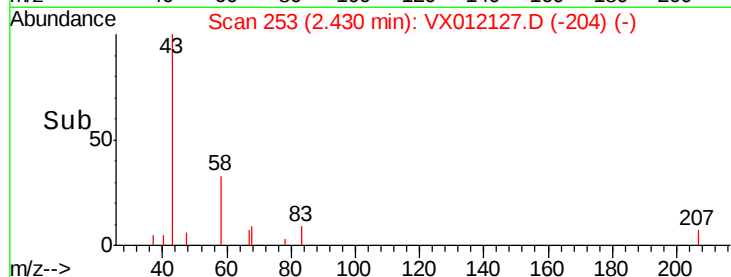
200

0

Time-->

2.35 2.40 2.45

2.43



#20

Methylene Chloride

Concen: 5.816 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

Tgt Ion: 84 Resp: 12004

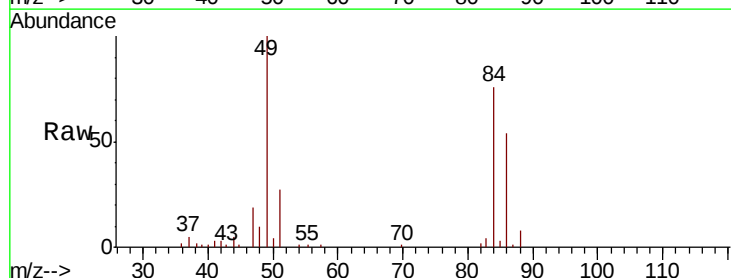
Ion Ratio Lower Upper

84 100

49 132.3 95.8 143.8

51 35.5 28.6 43.0

86 71.5 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

12000

10000

8000

6000

4000

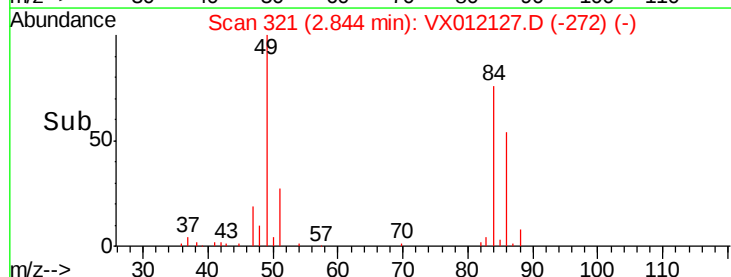
2000

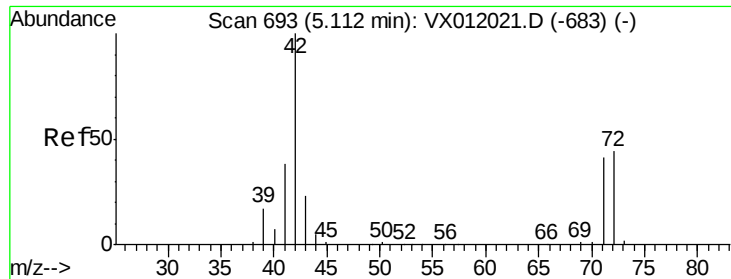
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Time-->

2.75 2.80 2.85 2.90 2.95

2.84

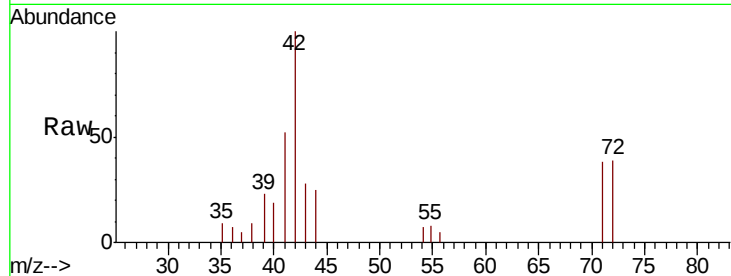




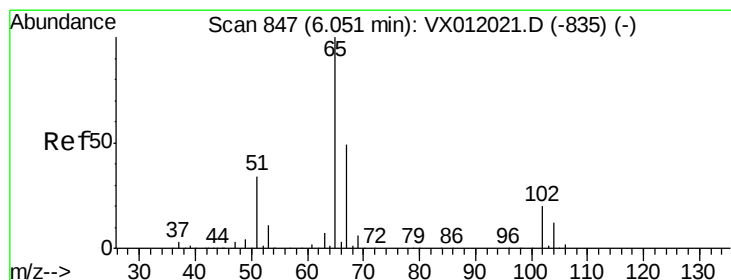
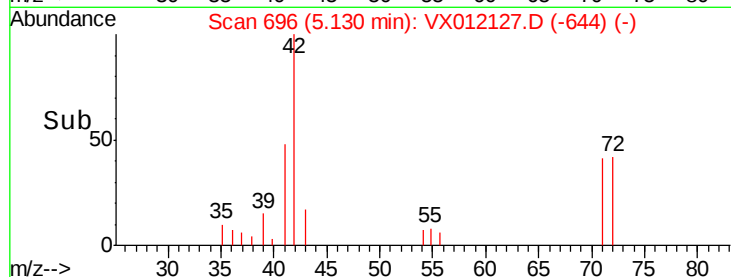
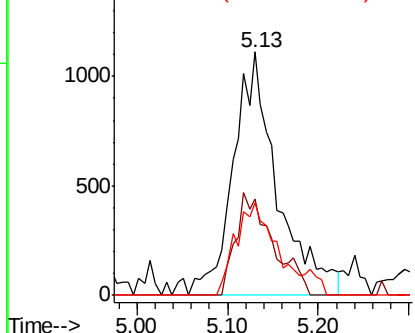
#29
Tetrahydrofuran
Concen: 9.506 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

Instrument :
MSVOA_X
ClientSampled :
T12-A3-(3.5)

Tgt Ion: 42 Resp: 3747
Ion Ratio Lower Upper
42 100
72 35.4 37.0 55.4#
71 35.1 33.8 50.8

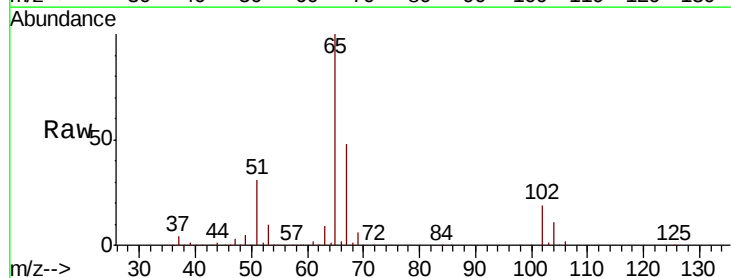


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

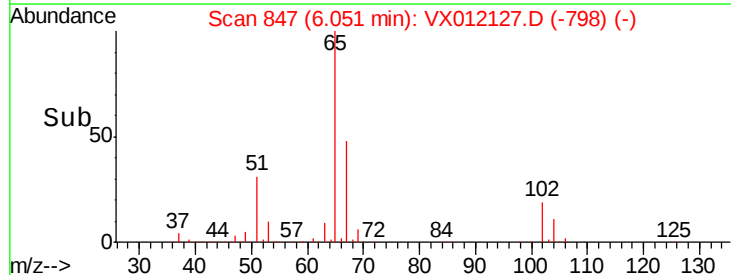
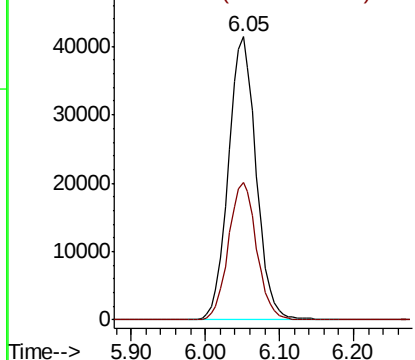


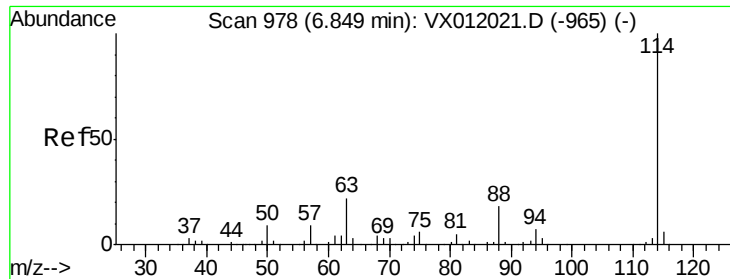
#33
1,2-Dichloroethane-d4
Concen: 50.255 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

Tgt Ion: 65 Resp: 108061
Ion Ratio Lower Upper
65 100
67 49.2 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: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampleId :

T12-A3-(3.5)

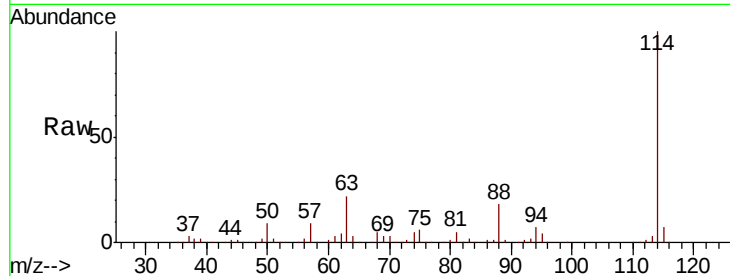
Tgt Ion:114 Resp: 272184

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.4

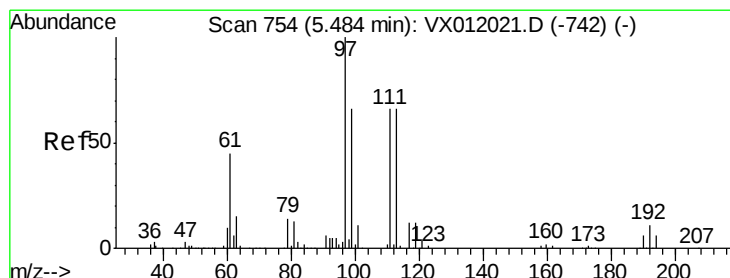
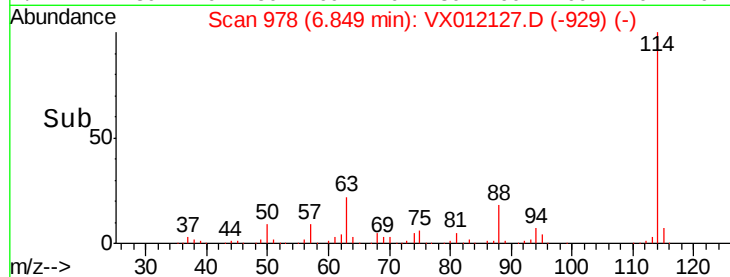
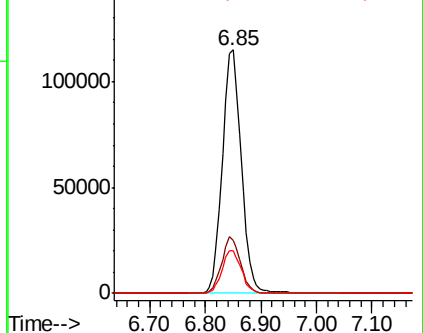
88 17.6 0.0 29.6



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: 48.186 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

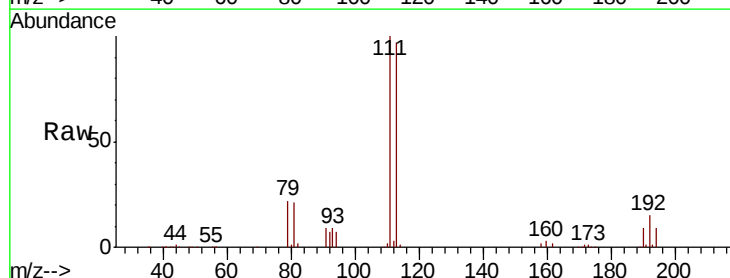
Tgt Ion:113 Resp: 80657

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

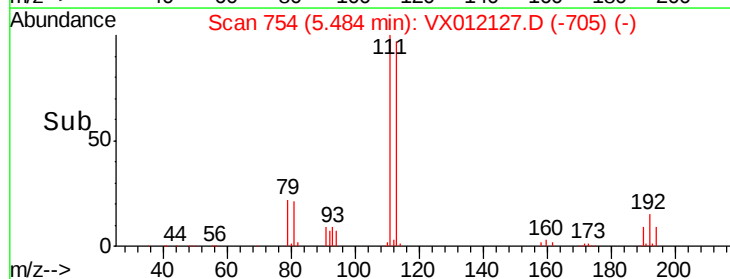
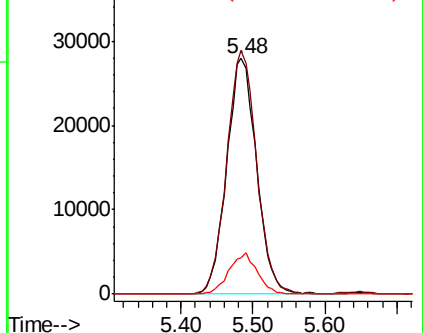
192 16.6 22.5 33.7#

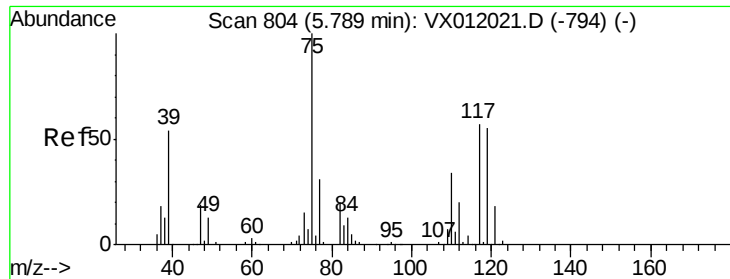


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

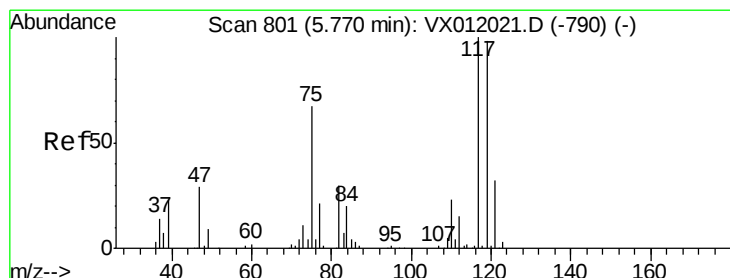
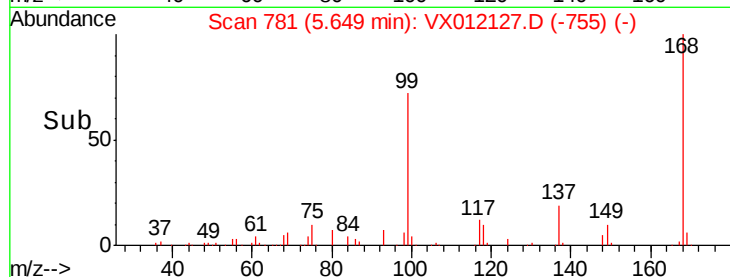
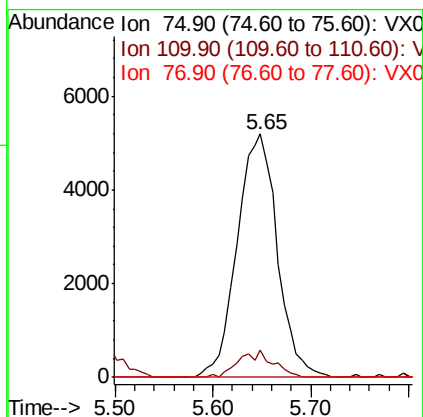
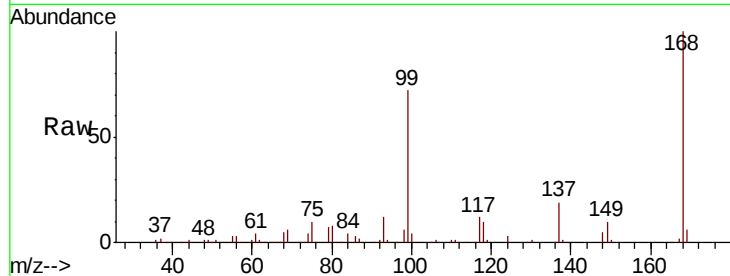




#36
 1,1-Dichloropropene
 Concen: 6.151 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012127.D
 Acq: 06 Sep 2019 04:43

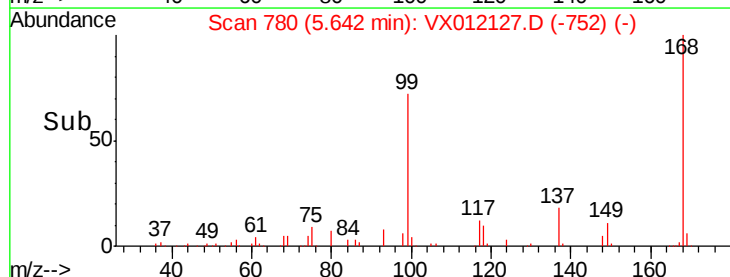
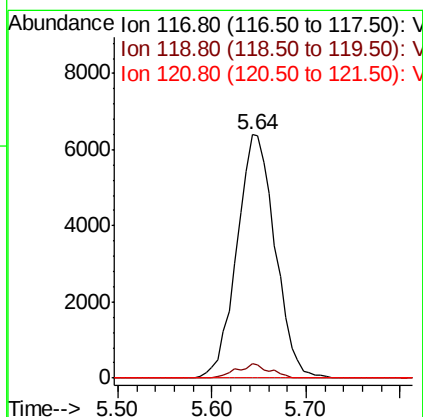
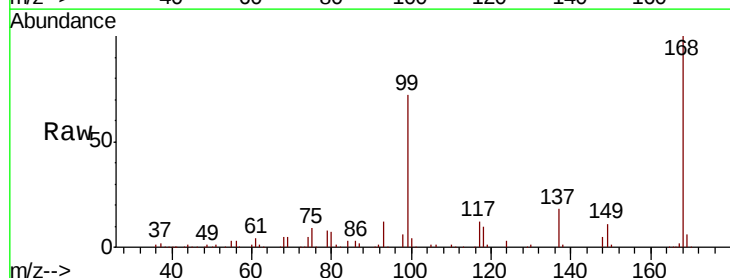
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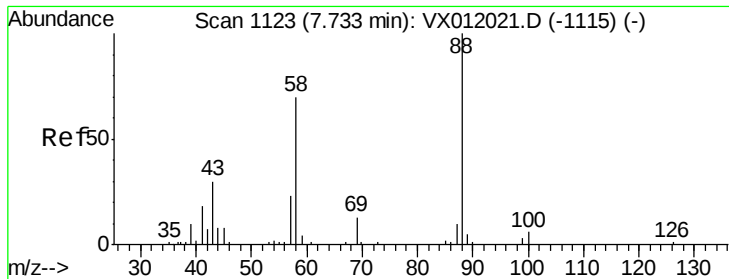
Tgt Ion: 75 Resp: 14746
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.172 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012127.D
 Acq: 06 Sep 2019 04:43

Tgt Ion: 117 Resp: 18118
 Ion Ratio Lower Upper
 117 100
 119 5.7 78.3 117.5#
 121 0.0 24.2 36.2#

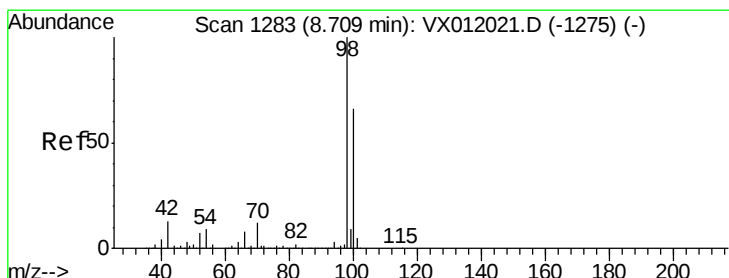
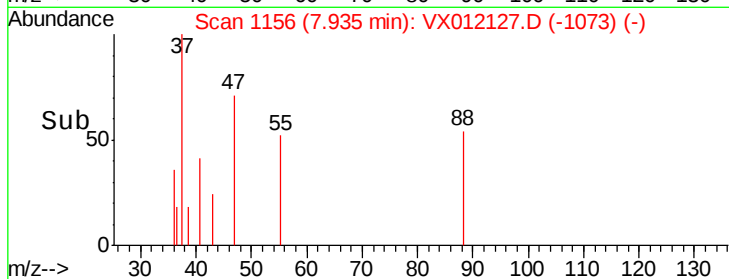
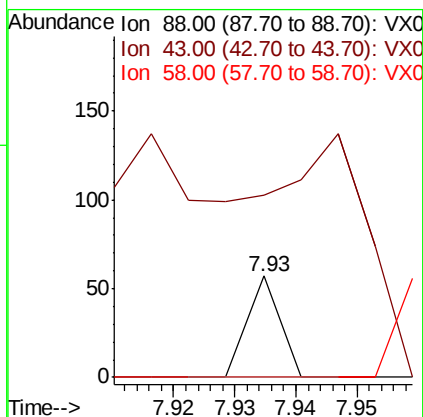
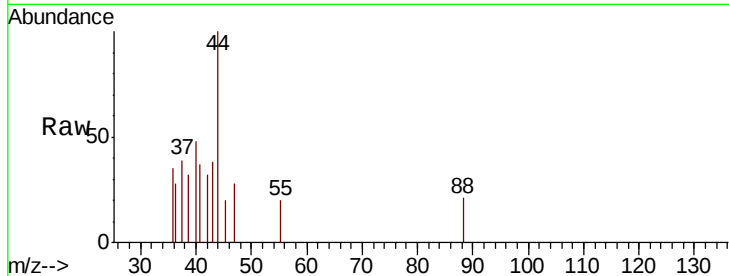




#49
1,4-Dioxane
Concen: 1.156 ug/l
RT: 7.93 min Scan# 1156
Delta R.T. 0.21 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

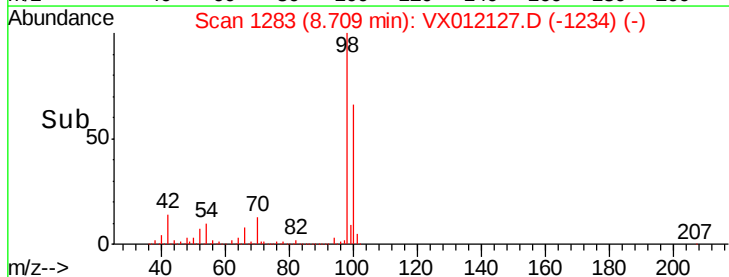
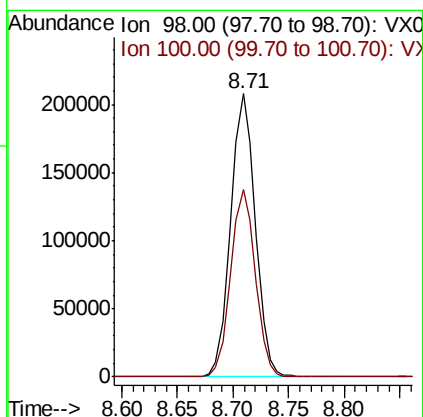
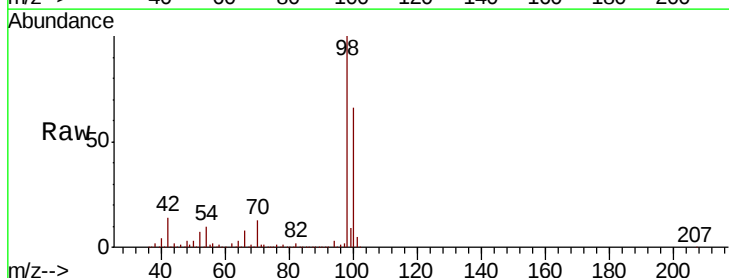
Instrument :
MSVOA_X
ClientSampleId :
T12-A3-(3.5)

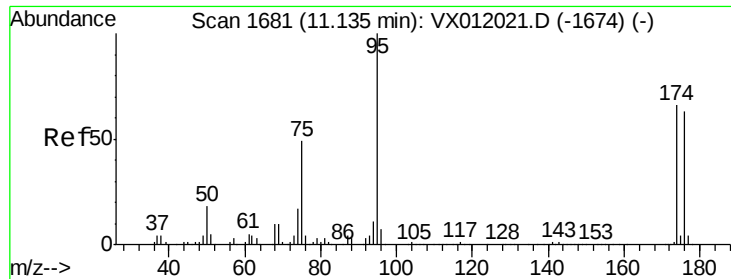
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 371.4 29.8 44.6#
58 0.0 55.4 83.2#



#50
Toluene-d8
Concen: 52.031 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

Tgt Ion: 98 Resp: 319589
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9

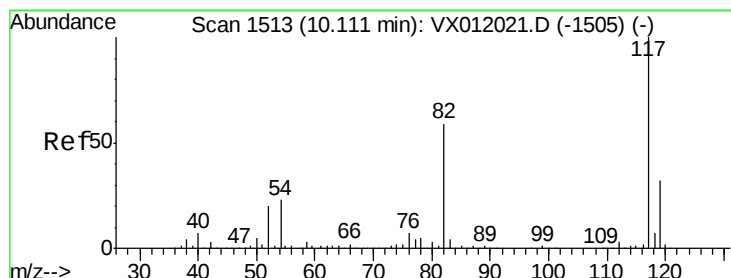
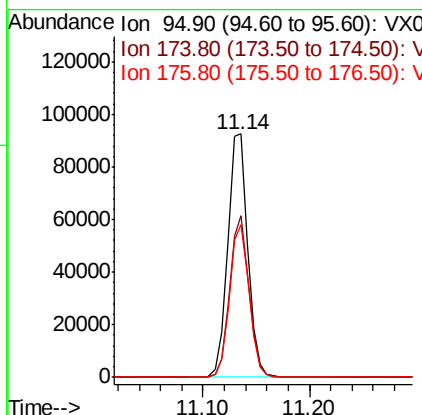
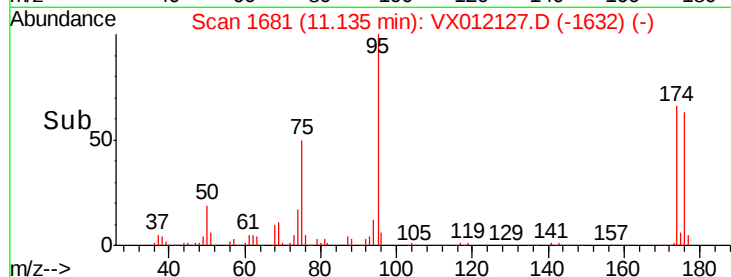
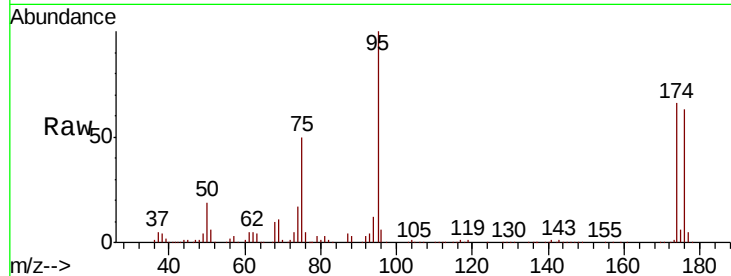




#62
4-Bromofluorobenzene
Concen: 42.941 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

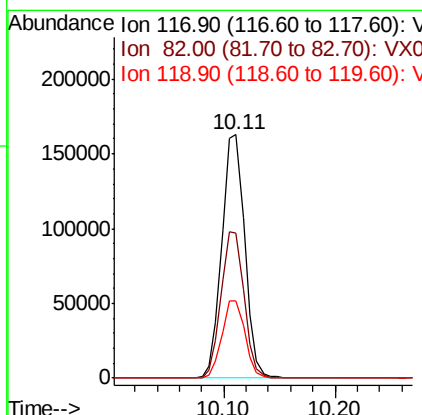
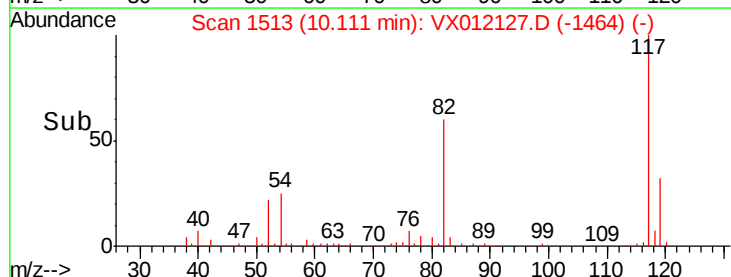
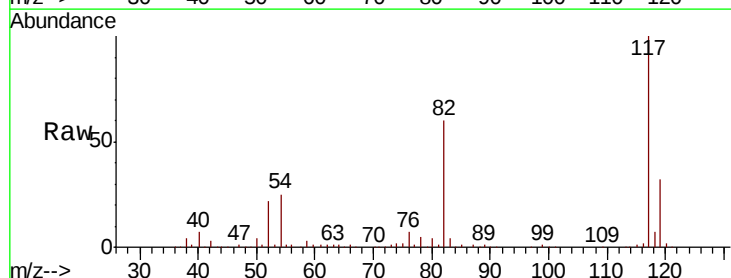
Instrument :
MSVOA_X
ClientSampleId :
T12-A3-(3.5)

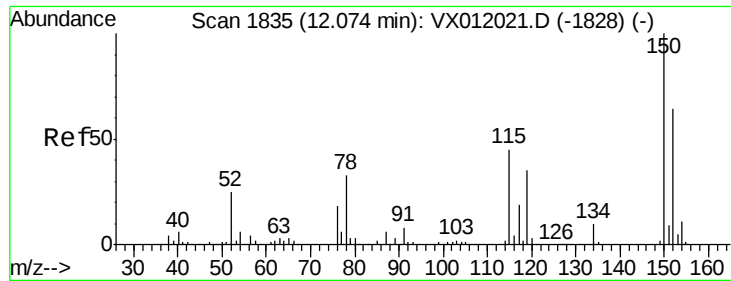
Tgt Ion: 95 Resp: 122663
Ion Ratio Lower Upper
95 100
174 64.0 0.0 205.4
176 61.2 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

Tgt Ion: 117 Resp: 232851
Ion Ratio Lower Upper
117 100
82 59.7 39.4 59.0#
119 31.6 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: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampleId :

T12-A3-(3.5)

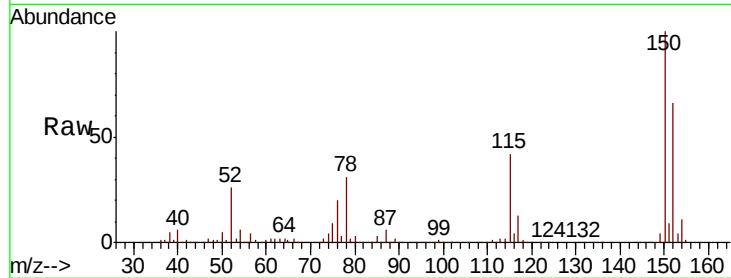
Tgt Ion:152 Resp: 97209

Ion Ratio Lower Upper

152 100

115 64.8 36.4 109.3

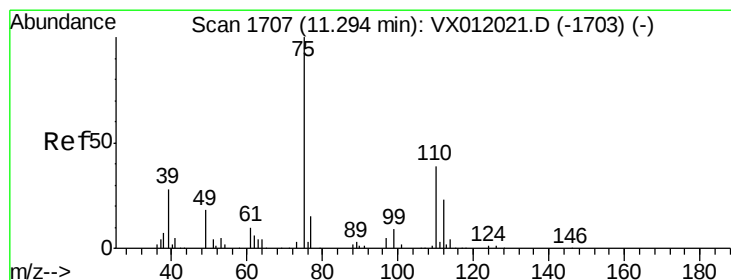
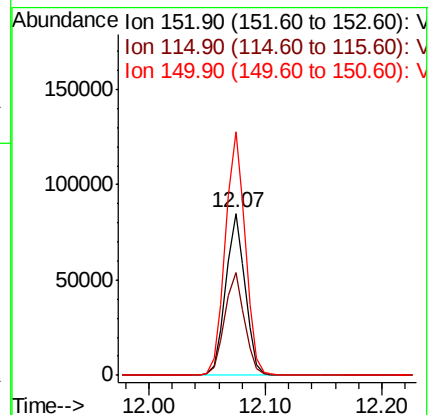
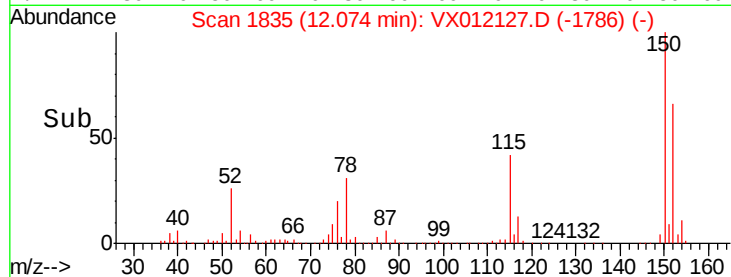
150 154.5 0.0 341.2



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: 54.479 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012127.D

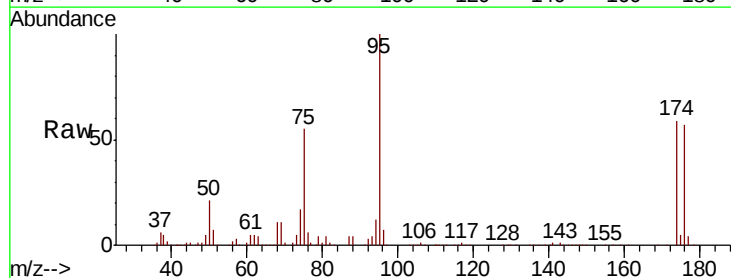
Acq: 06 Sep 2019 04:43

Tgt Ion: 75 Resp: 64707

Ion Ratio Lower Upper

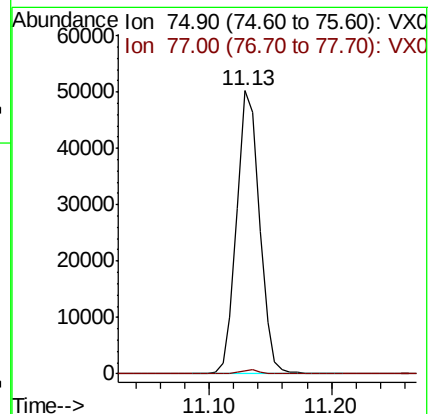
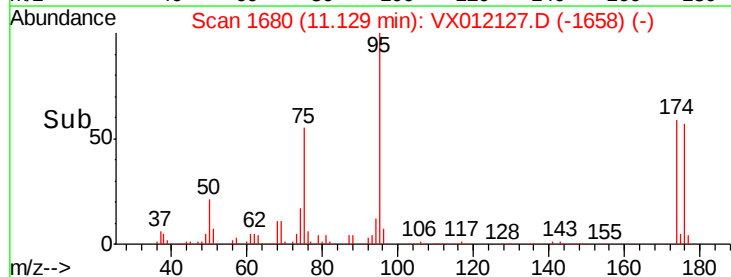
75 100

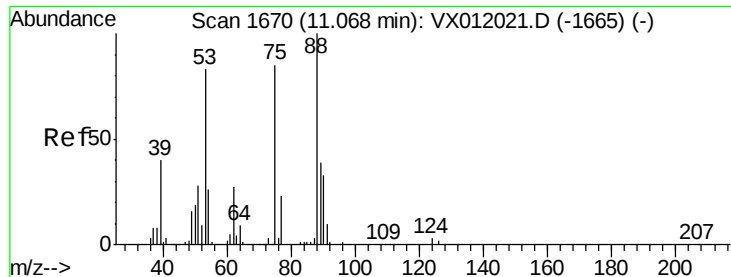
77 1.4 23.5 70.5#



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: 128.796 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampleId :

T12-A3-(3.5)

Tgt Ion: 75 Resp: 64707

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

