

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012071.D
 Acq On : 05 Sep 2019 01:01
 Operator : SY/SP
 Sample : K4545-03
 Misc : 4.76g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E4-(0)

Quant Time: Sep 05 05:29:22 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	142949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	246700	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	198505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	69478	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	96055	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	5.48	113	74406	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	8.71	98	288068	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.14	95	98153	37.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.82%	

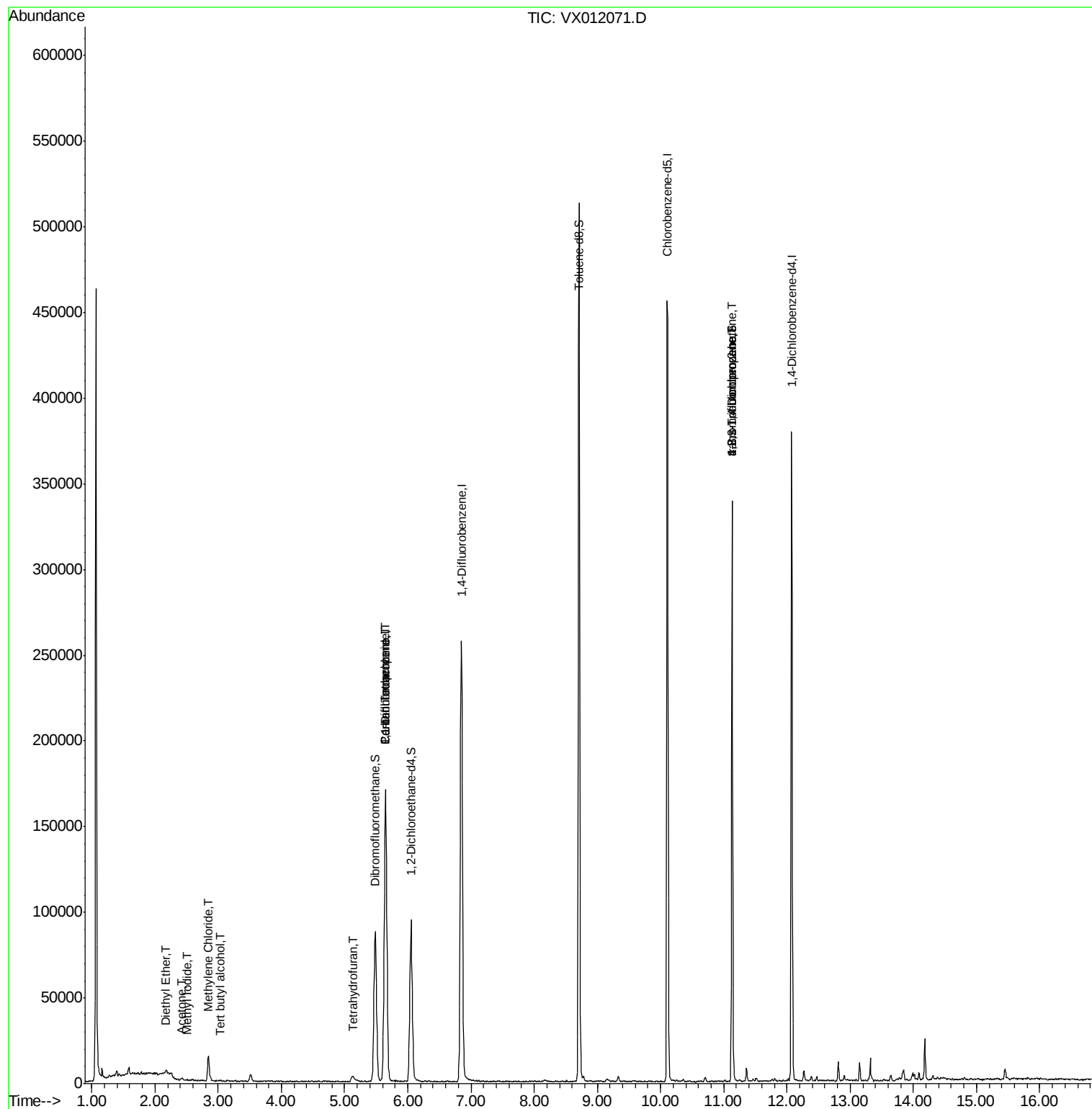
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	874	1.282	ug/l	78
10) Methyl Iodide	2.50	142	312	7.170	ug/l #	86
11) Tert butyl alcohol	3.03	59	327	1.726	ug/l #	1
13) Acrolein	2.22	56	209	Below Cal	#	81
16) Acetone	2.43	43	1318	2.796	ug/l #	72
20) Methylene Chloride	2.84	84	6972	3.683	ug/l	96
29) Tetrahydrofuran	5.13	42	3340	9.237	ug/l	99
36) 1,1-Dichloropropene	5.64	75	13027	5.995	ug/l #	49
38) Carbon Tetrachloride	5.64	117	16860	7.364	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	51554	60.729	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	51554	143.573	ug/l #	10

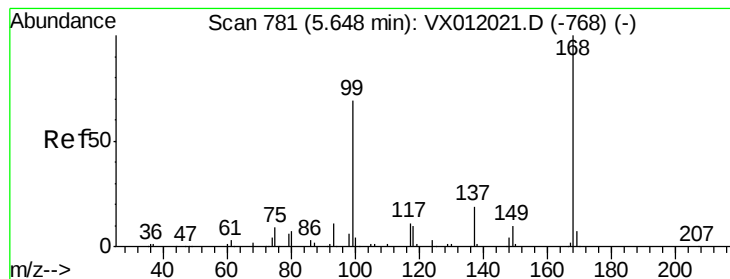
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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Quant Time: Sep 05 05:29:22 2019
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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: VX012071.D

Acq: 05 Sep 2019 01:01

Instrument :

MSVOA_X

ClientSampleId :

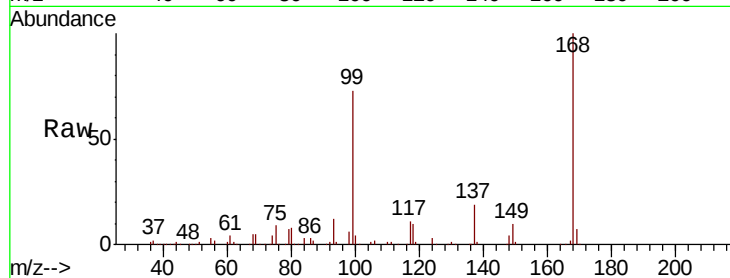
T16-17-E4-(0)

Tgt Ion:168 Resp: 142949

Ion Ratio Lower Upper

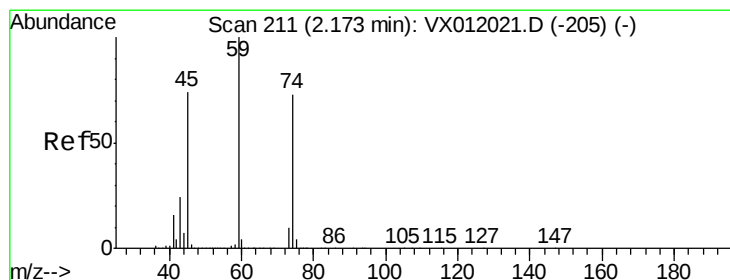
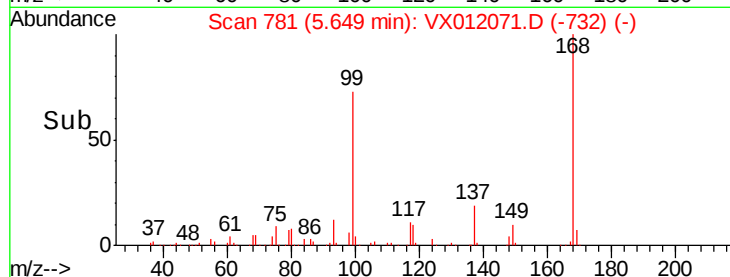
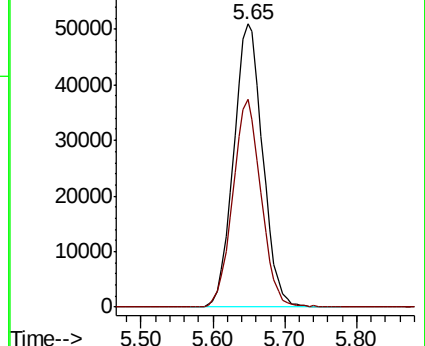
168 100

99 73.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.282 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012071.D

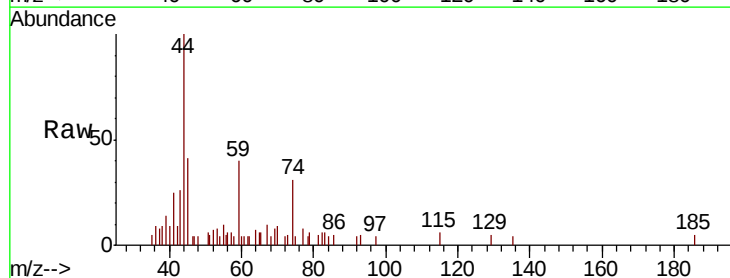
Acq: 05 Sep 2019 01:01

Tgt Ion: 74 Resp: 874

Ion Ratio Lower Upper

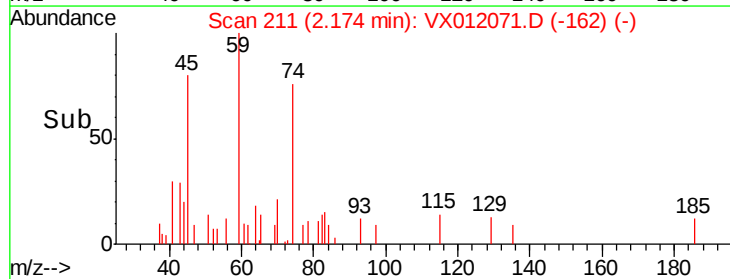
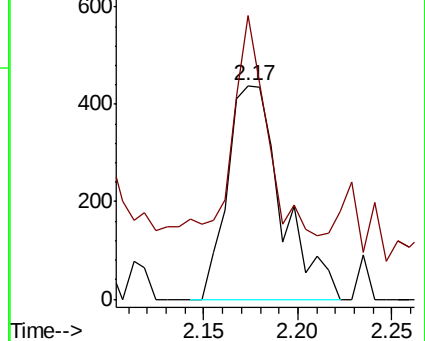
74 100

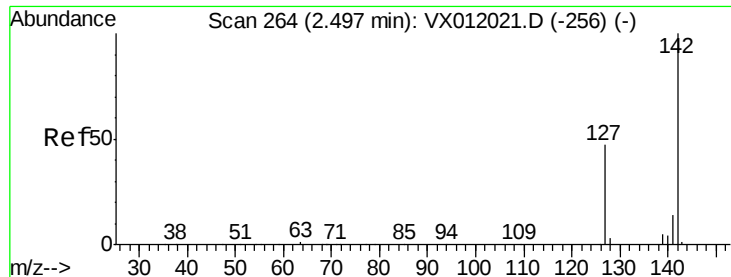
45 70.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

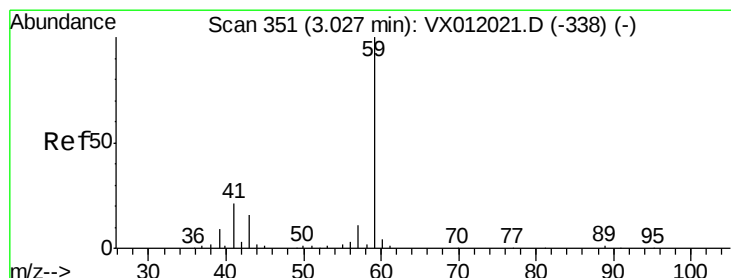
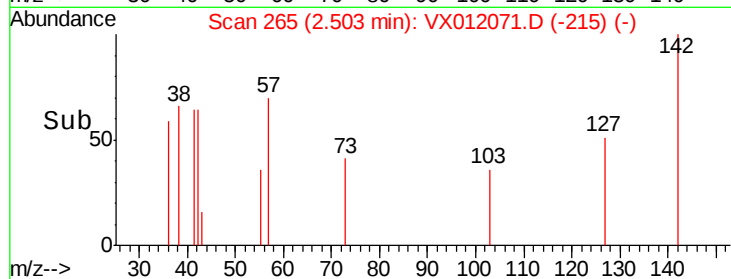
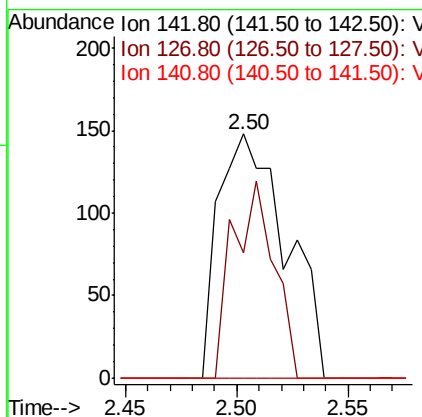
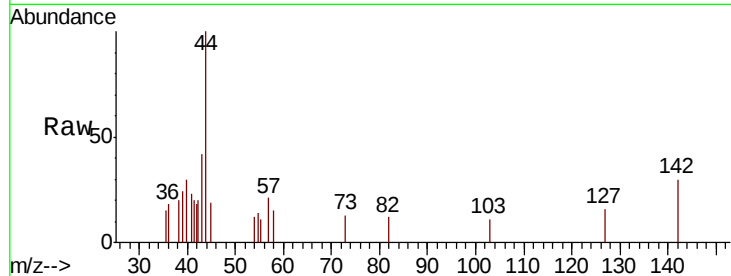




#10
Methyl Iodide
Concen: 7.170 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012071.D
Acq: 05 Sep 2019 01:01

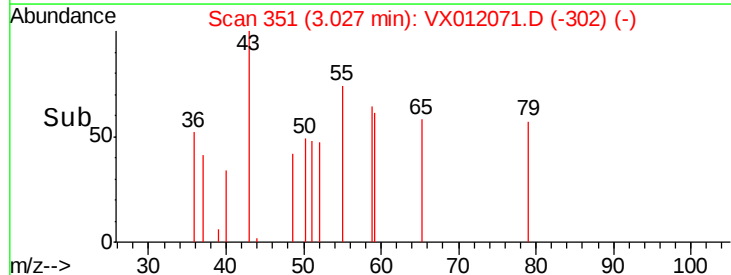
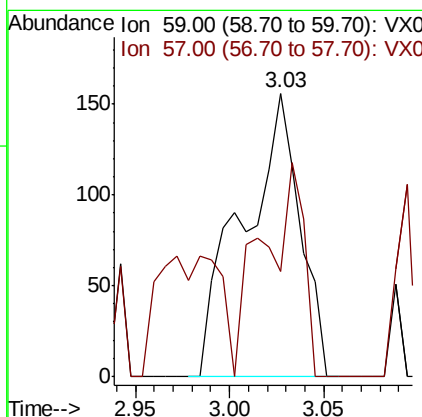
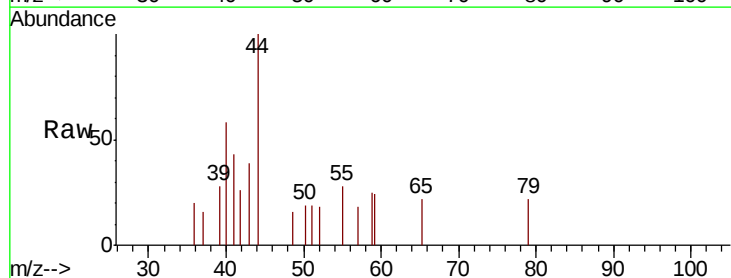
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E4-(0)

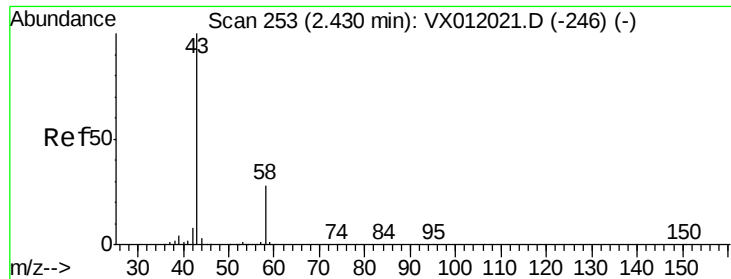
Tgt Ion: 142 Resp: 312
Ion Ratio Lower Upper
142 100
127 49.4 35.4 53.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.726 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012071.D
Acq: 05 Sep 2019 01:01

Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 54.1 7.9 11.9#





#16

Acetone

Concen: 2.796 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012071.D

Acq: 05 Sep 2019 01:01

Instrument :

MSVOA_X

ClientSampled :

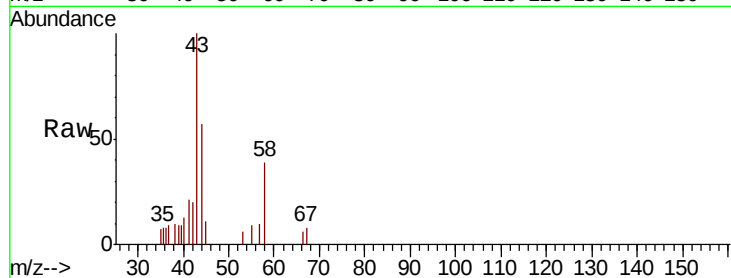
T16-17-E4-(0)

Tgt Ion: 43 Resp: 1318

Ion Ratio Lower Upper

43 100

58 43.2 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

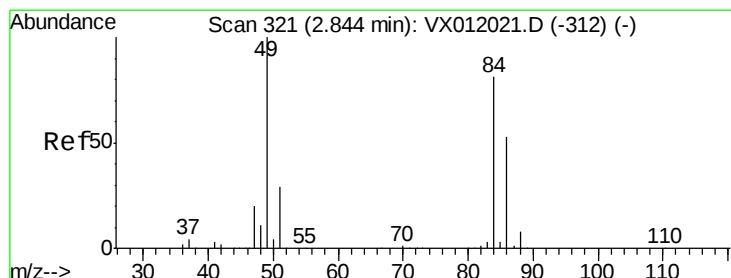
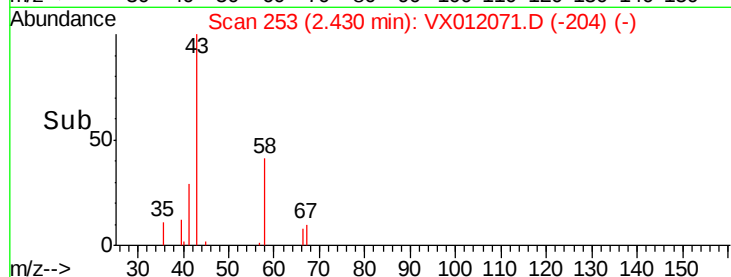
400

200

0

2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 3.683 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012071.D

Acq: 05 Sep 2019 01:01

Tgt Ion: 84 Resp: 6972

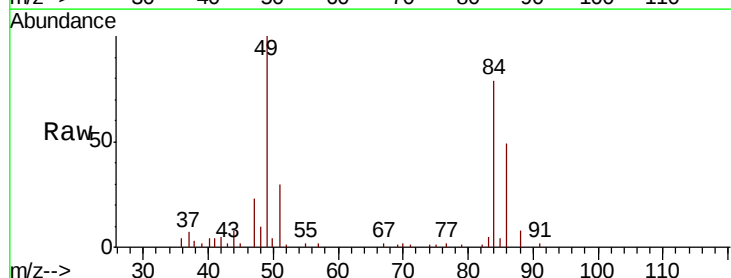
Ion Ratio Lower Upper

84 100

49 125.8 95.8 143.8

51 34.7 28.6 43.0

86 61.1 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

6000

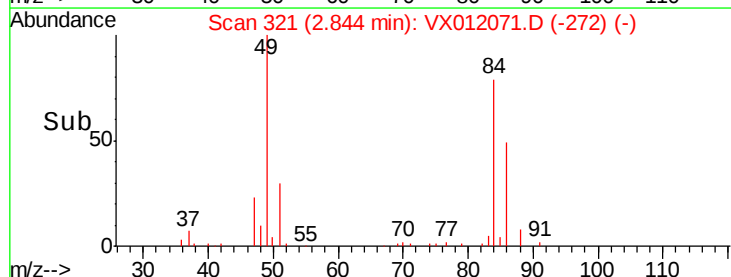
4000

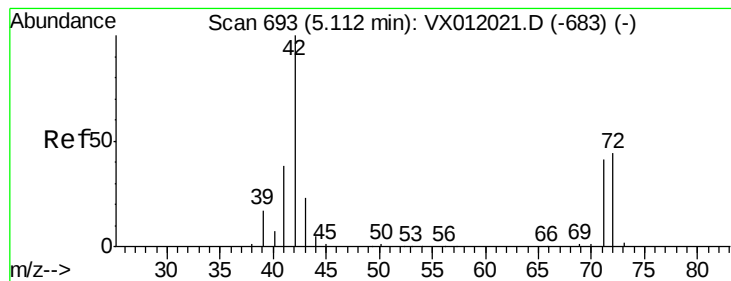
2000

0

2.75 2.80 2.85 2.90 2.95

Time-->





#29

Tetrahydrofuran

Concen: 9.237 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012071.D

Acq: 05 Sep 2019 01:01

Instrument :

MSVOA_X

ClientSampled :

T16-17-E4-(0)

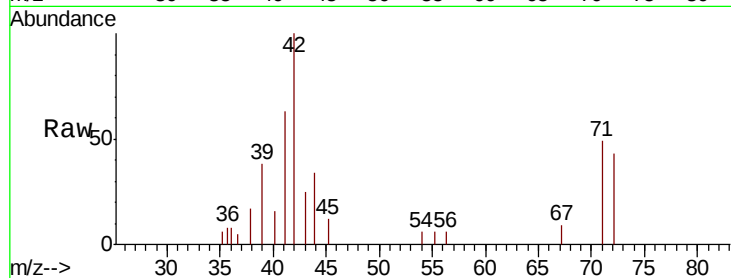
Tgt Ion: 42 Resp: 3340

Ion Ratio Lower Upper

42 100

72 45.1 37.0 55.4

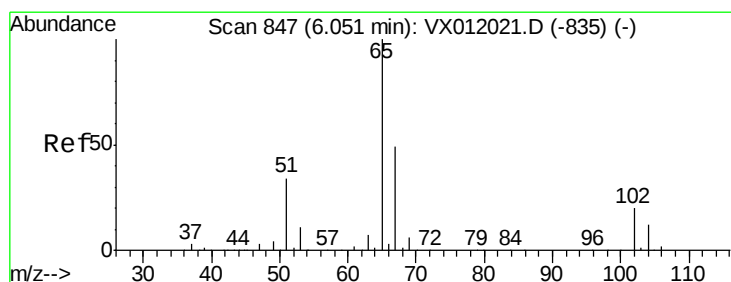
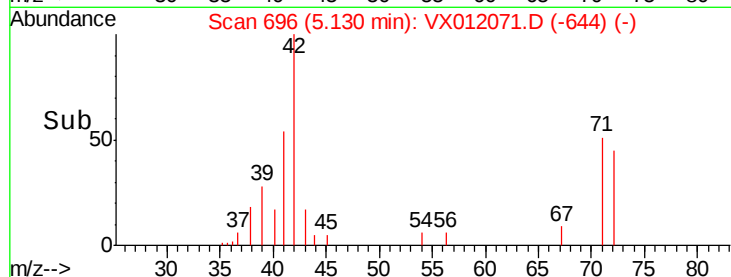
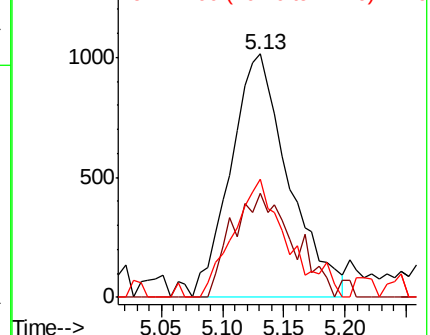
71 43.0 33.8 50.8



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: 48.699 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012071.D

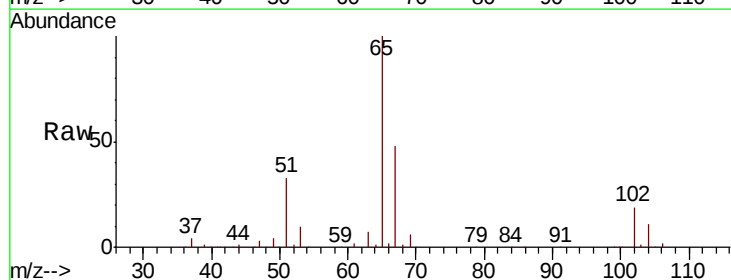
Acq: 05 Sep 2019 01:01

Tgt Ion: 65 Resp: 96055

Ion Ratio Lower Upper

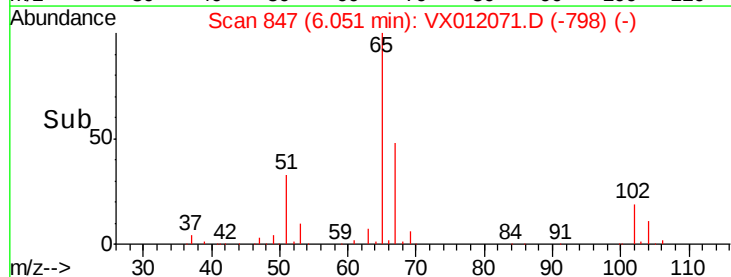
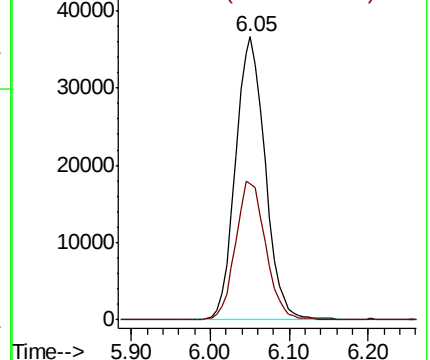
65 100

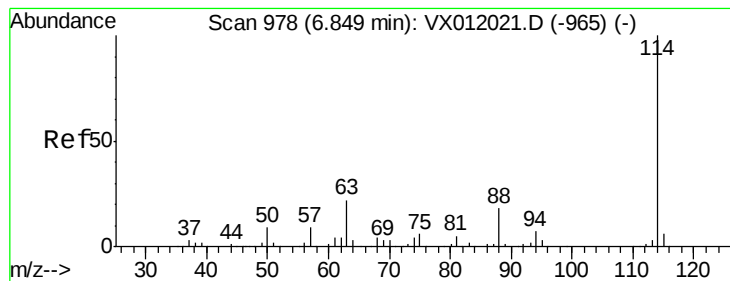
67 49.8 0.0 102.0



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: VX012071.D

Acq: 05 Sep 2019 01:01

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E4-(0)

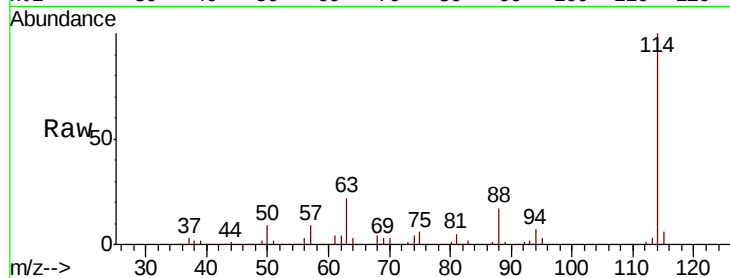
Tgt Ion:114 Resp: 246700

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.4

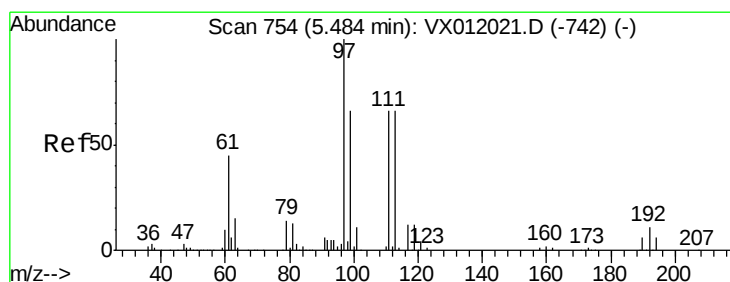
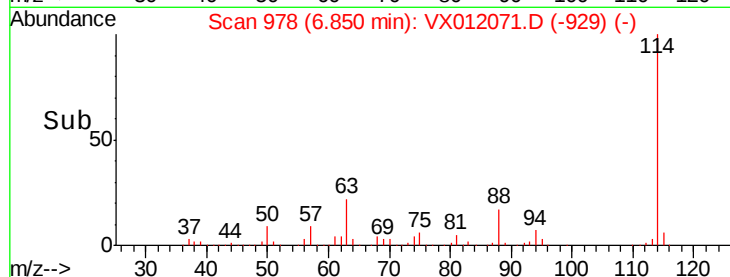
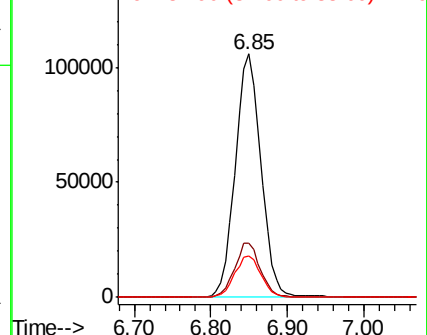
88 16.8 0.0 29.6



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: 49.044 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012071.D

Acq: 05 Sep 2019 01:01

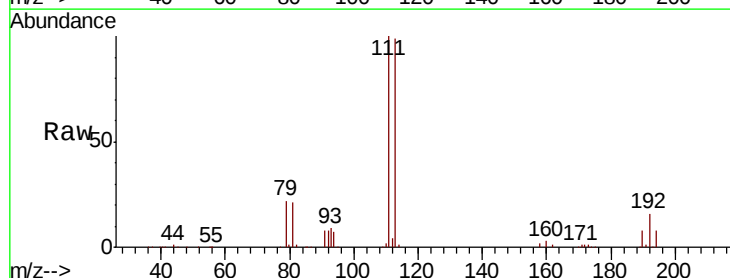
Tgt Ion:113 Resp: 74406

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

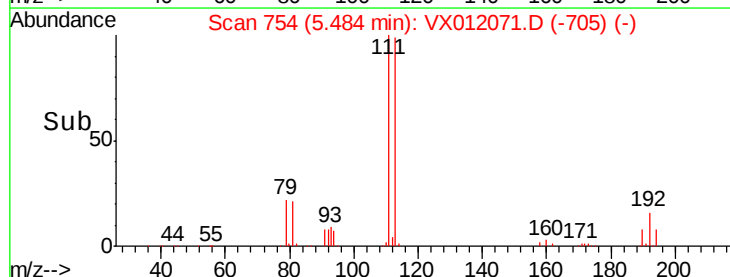
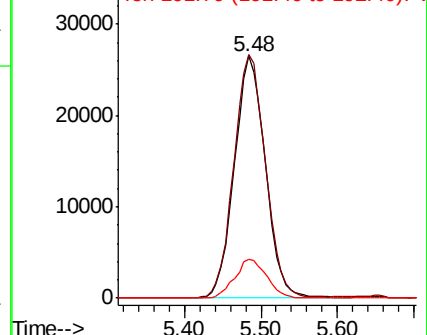
192 16.5 22.5 33.7#

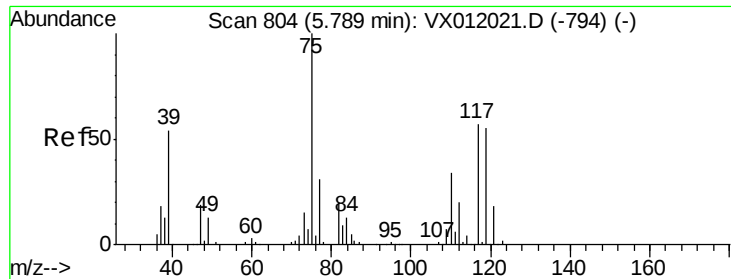


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

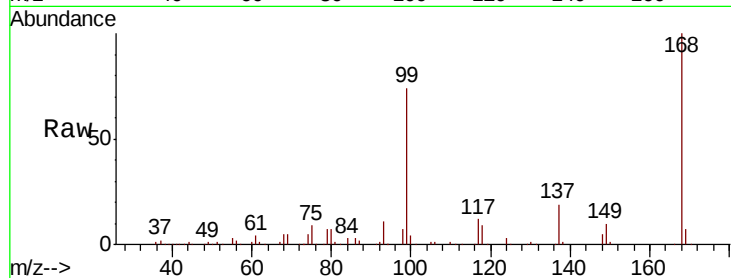




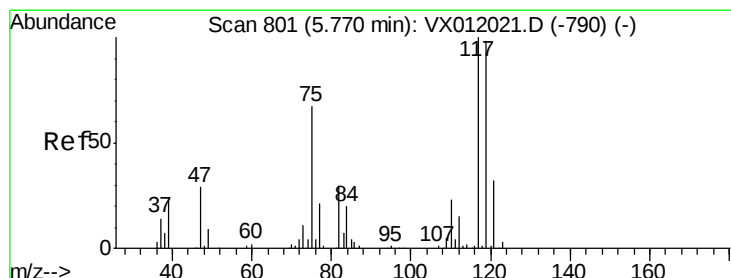
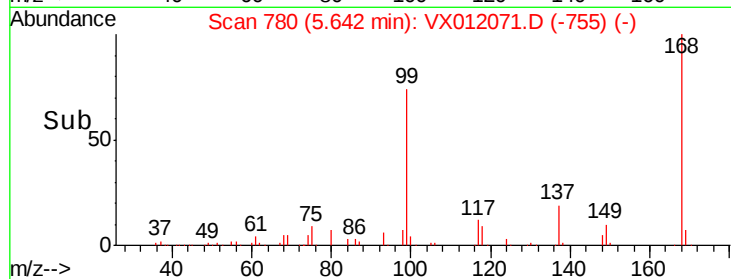
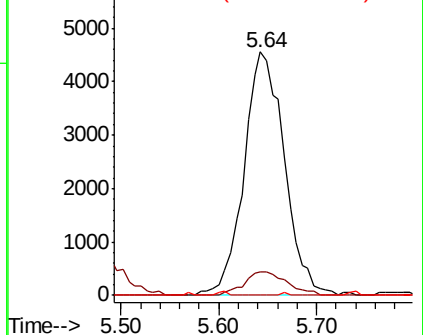
#36
 1,1-Dichloropropene
 Concen: 5.995 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012071.D
 Acq: 05 Sep 2019 01:01

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 T16-17-E4-(0)

Tgt Ion: 75 Resp: 13027
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.5 58.5#
 77 0.0 24.6 37.0#

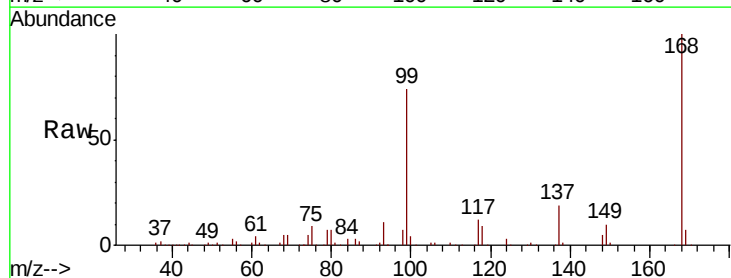


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

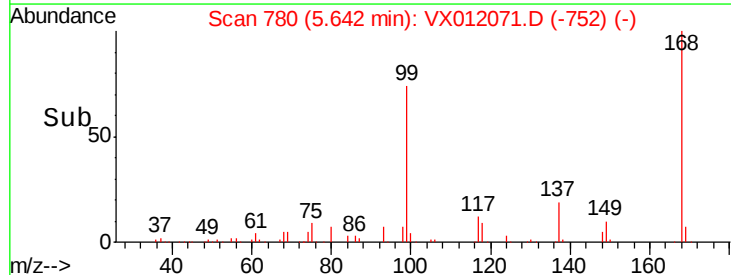
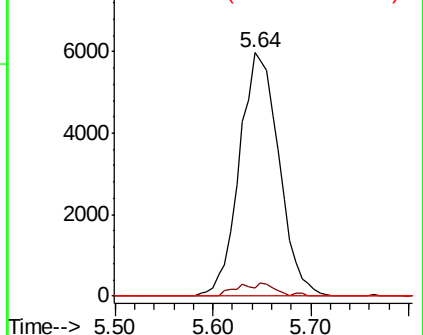


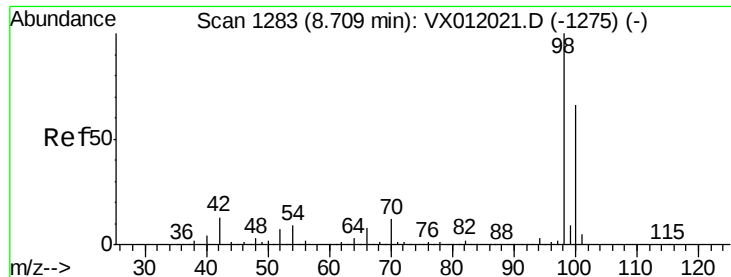
#38
 Carbon Tetrachloride
 Concen: 7.364 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012071.D
 Acq: 05 Sep 2019 01:01

Tgt Ion: 117 Resp: 16860
 Ion Ratio Lower Upper
 117 100
 119 3.3 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

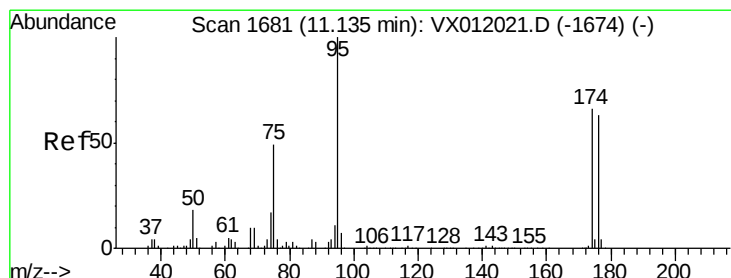
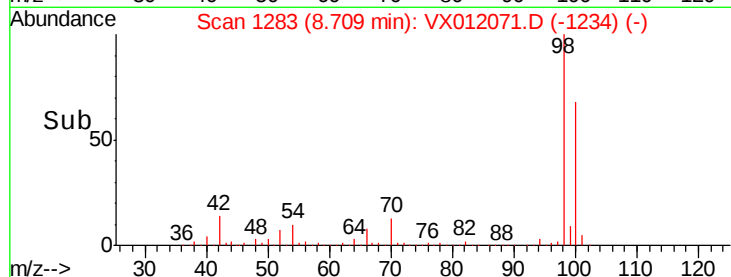
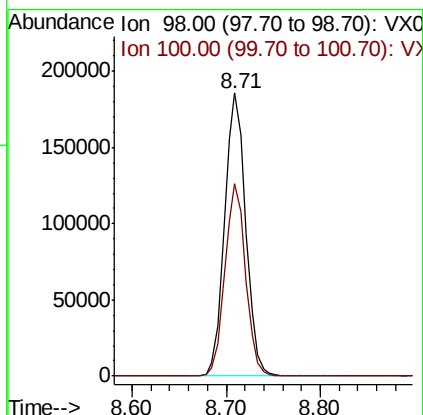
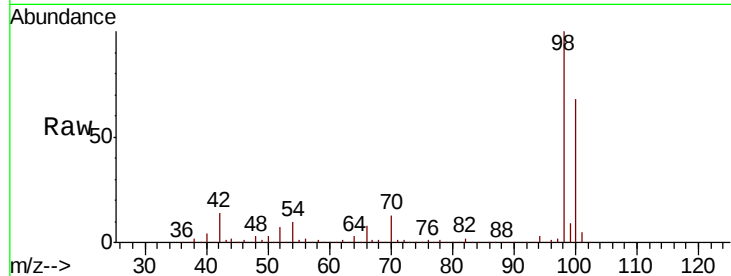




#50
Toluene-d8
Concen: 51.744 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012071.D
Acq: 05 Sep 2019 01:01

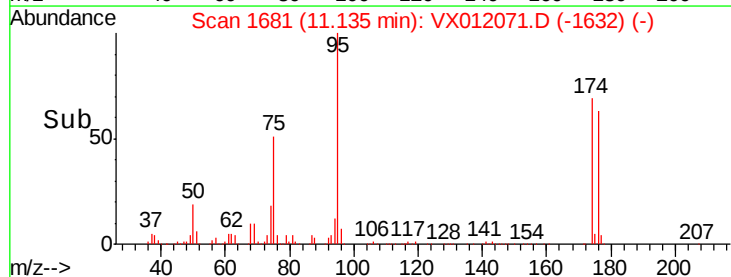
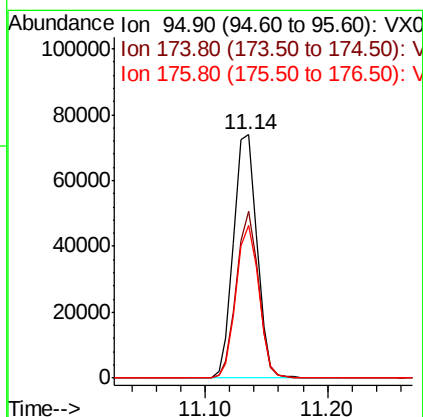
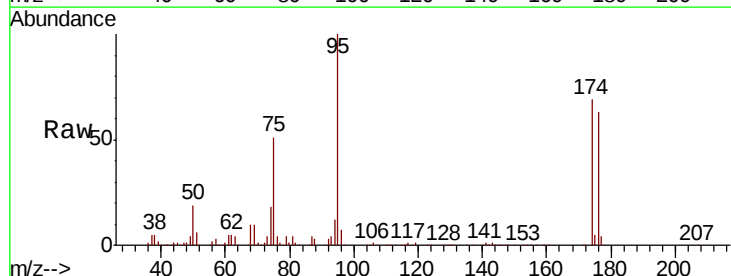
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E4-(0)

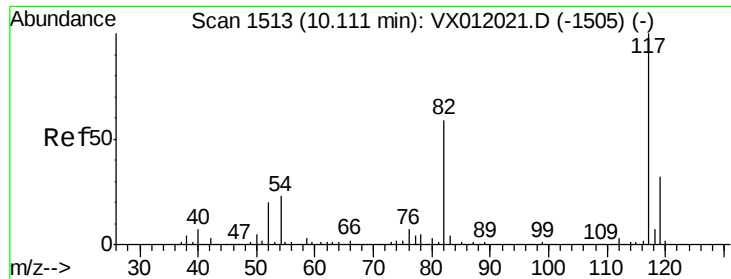
Tgt Ion: 98 Resp: 288068
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 37.910 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012071.D
Acq: 05 Sep 2019 01:01

Tgt Ion: 95 Resp: 98153
Ion Ratio Lower Upper
95 100
174 64.6 0.0 205.4
176 60.9 0.0 201.8

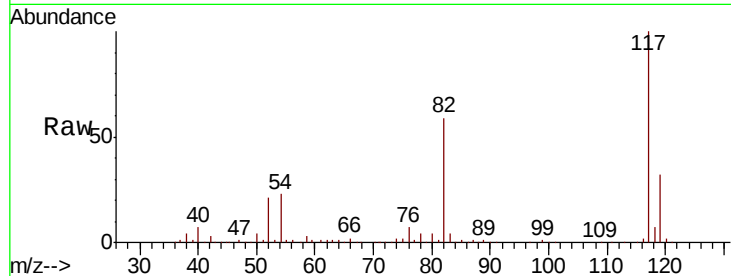




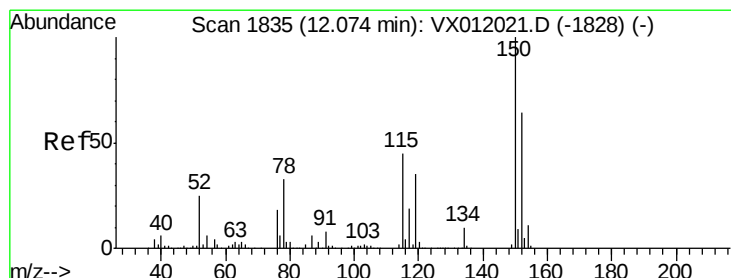
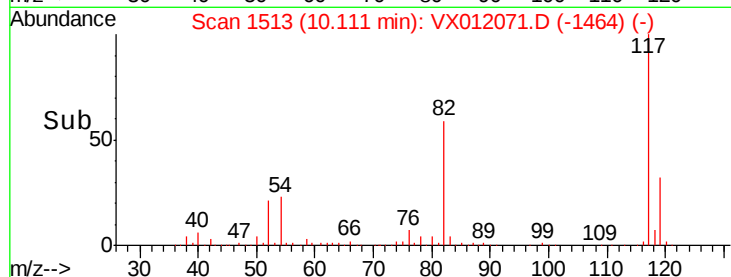
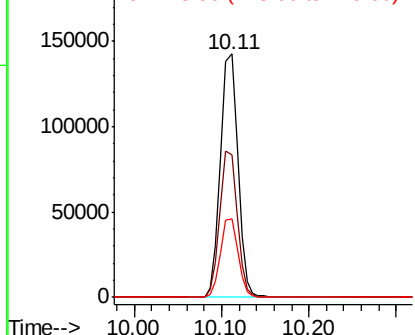
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012071.D
Acq: 05 Sep 2019 01:01

Instrument :
MSVOA_X
ClientSampleId :
T16-17-E4-(0)

Tgt Ion:117 Resp: 198505
Ion Ratio Lower Upper
117 100
82 58.5 39.4 59.0
119 32.4 26.1 39.1

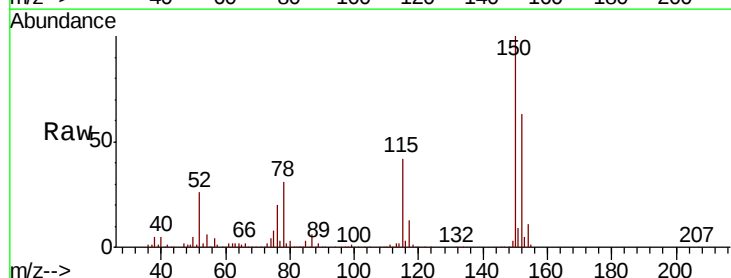


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

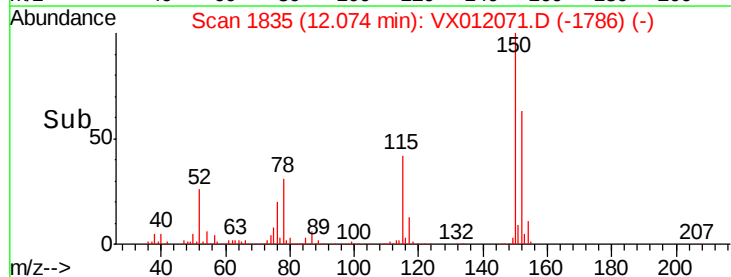
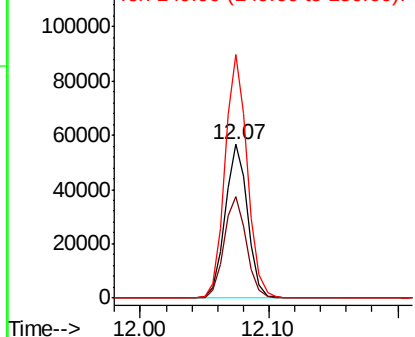


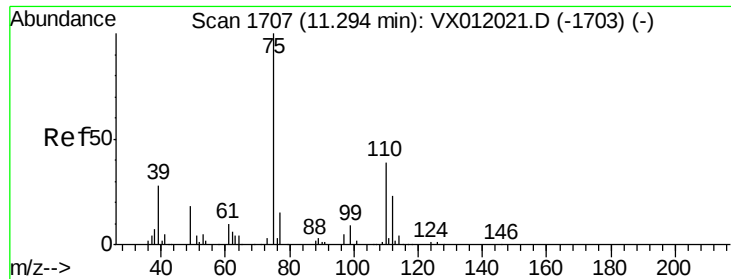
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012071.D
Acq: 05 Sep 2019 01:01

Tgt Ion:152 Resp: 69478
Ion Ratio Lower Upper
152 100
115 66.0 36.4 109.3
150 157.4 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: 60.729 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012071.D

Acq: 05 Sep 2019 01:01

Instrument :

MSVOA_X

ClientSampleId :

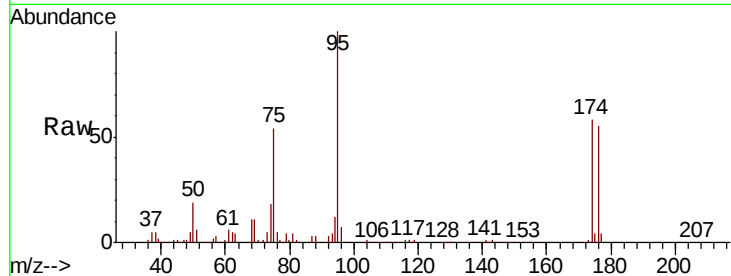
T16-17-E4-(0)

Tgt Ion: 75 Resp: 51554

Ion Ratio Lower Upper

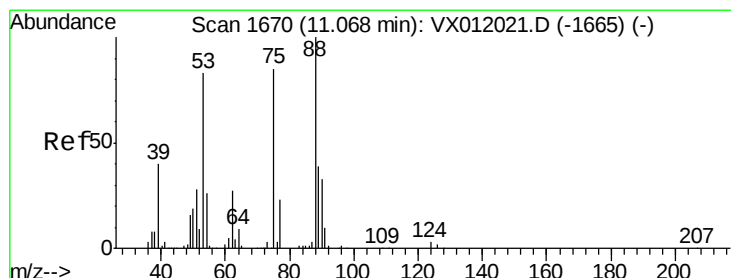
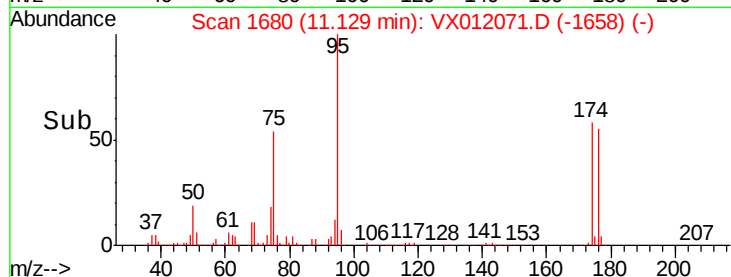
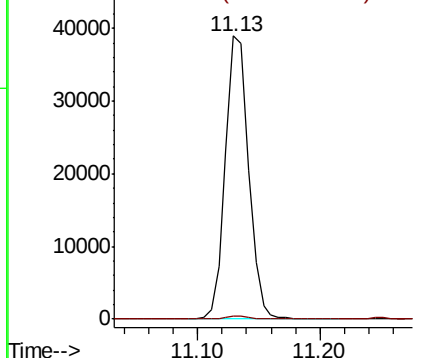
75 100

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: 143.573 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012071.D

Acq: 05 Sep 2019 01:01

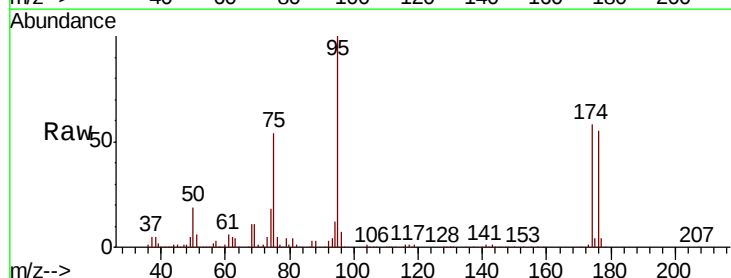
Tgt Ion: 75 Resp: 51554

Ion Ratio Lower Upper

75 100

53 0.1 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

