

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012075.D
 Acq On : 05 Sep 2019 02:53
 Operator : SY/SP
 Sample : K4545-07
 Misc : 3.68g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E4-(2.25)

Quant Time: Sep 05 05:30:02 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	56747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	92838	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	72672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	25777	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	34388	43.92	ug/l	0.00
Spiked Amount			Recovery	=	87.84%	
35) Dibromofluoromethane	5.49	113	27491	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	8.71	98	108495	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.14	95	36282	37.24	ug/l	0.00
Spiked Amount			Recovery	=	74.48%	

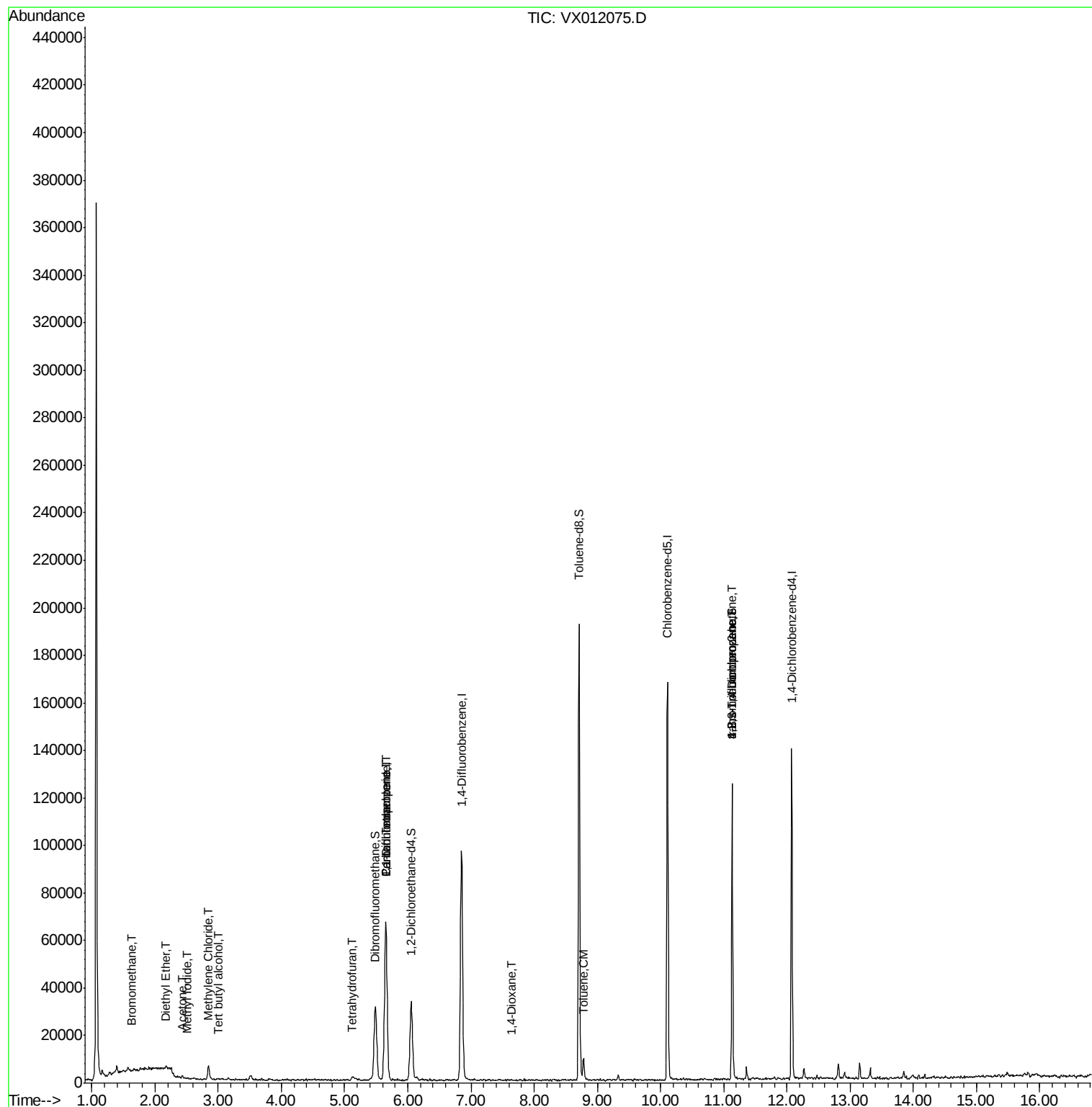
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	337	1.347	ug/l #	58
8) Diethyl Ether	2.18	74	488	1.803	ug/l	99
10) Methyl Iodide	2.50	142	47	7.057	ug/l #	1
11) Tert butyl alcohol	3.00	59	118	1.569	ug/l #	14
13) Acrolein	2.29	56	206	Below Cal	#	12
16) Acetone	2.44	43	1499	8.009	ug/l	97
20) Methylene Chloride	2.85	84	2647	3.522	ug/l	96
29) Tetrahydrofuran	5.13	42	1867	13.007	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	5124	6.267	ug/l #	51
38) Carbon Tetrachloride	5.65	117	6531	7.580	ug/l #	14
49) 1,4-Dioxane	7.64	88	45	7.262	ug/l #	1
52) Toluene	8.78	92	3006	1.968	ug/l	87
76) 1,2,3-Trichloropropane	11.14	75	18660	59.246	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	18660	140.068	ug/l #	10

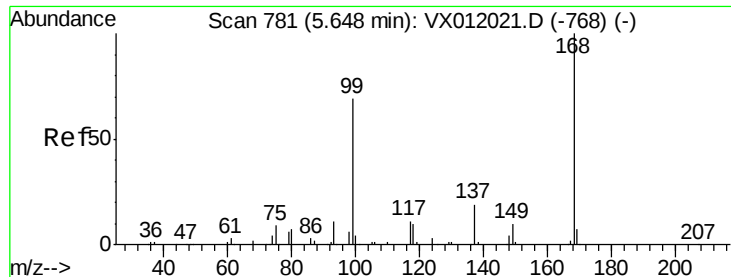
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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Quant Time: Sep 05 05:30:02 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# 782

Delta R.T. 0.01 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

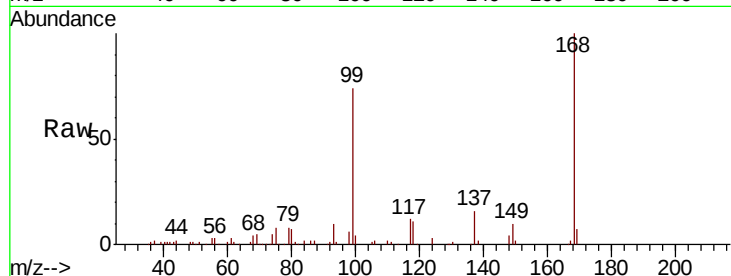
T16-17-E4-(2.25)

Tgt Ion:168 Resp: 56747

Ion Ratio Lower Upper

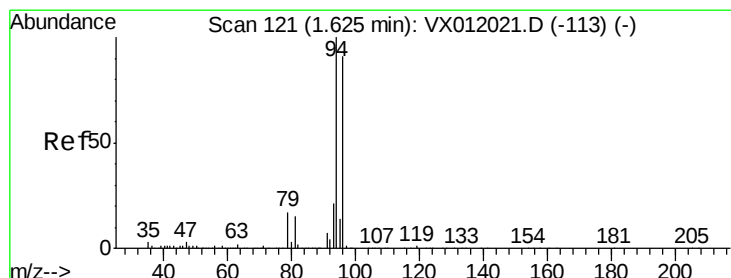
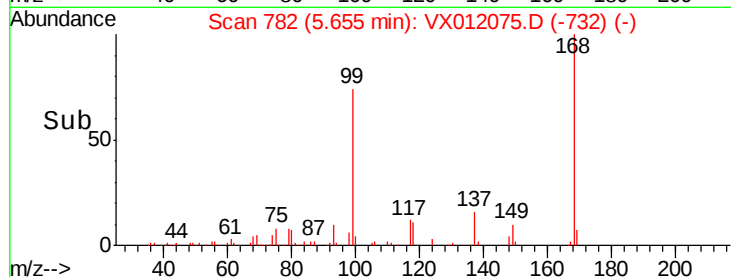
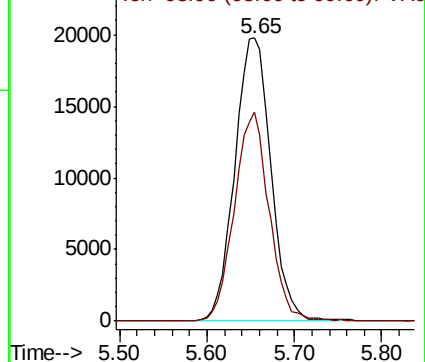
168 100

99 73.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 1.347 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012075.D

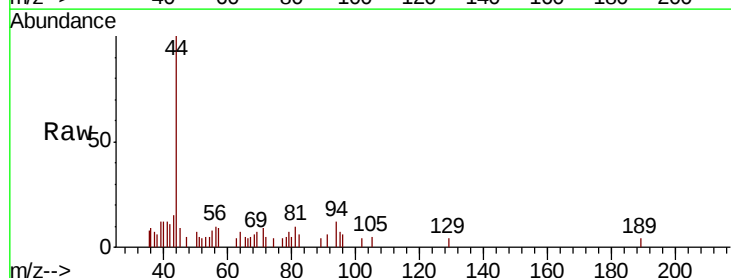
Acq: 05 Sep 2019 02:53

Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

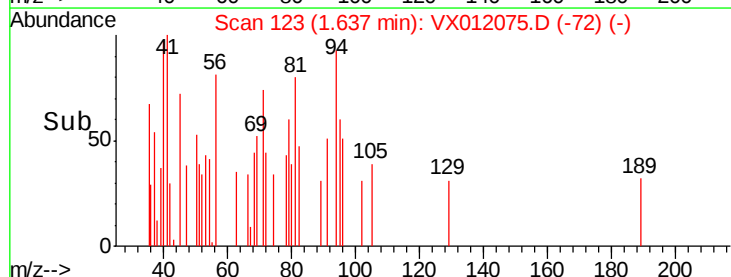
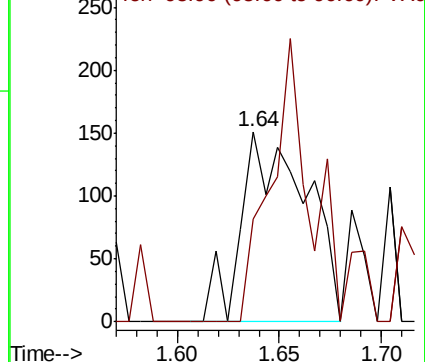
94 100

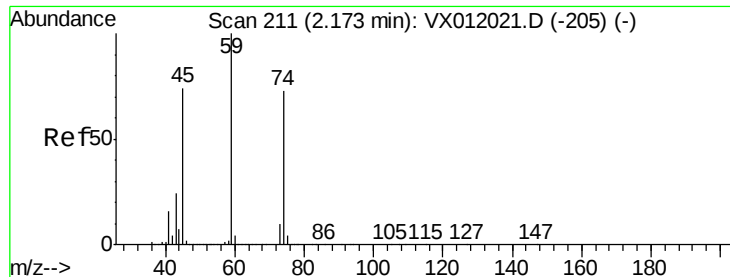
96 54.3 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.803 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

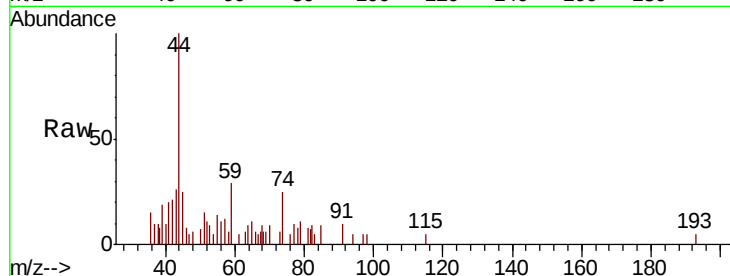
T16-17-E4-(2.25)

Tgt Ion: 74 Resp: 488

Ion Ratio Lower Upper

74 100

45 92.8 45.9 137.6

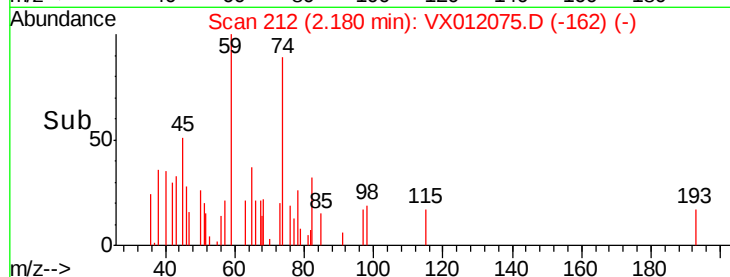


Abundance Ion 74.00 (73.70 to 74.70): VX0

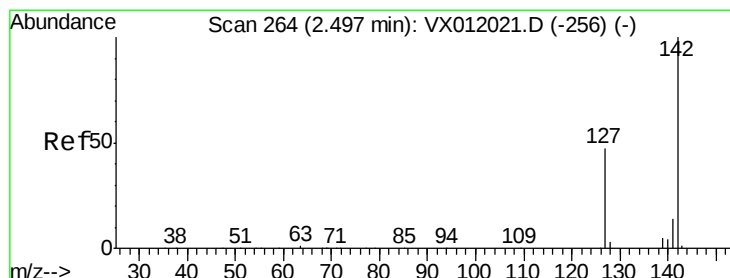
Ion 45.00 (44.70 to 45.70): VX0

2.18

2.15 2.20



Time-->



#10

Methyl Iodide

Concen: 7.057 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

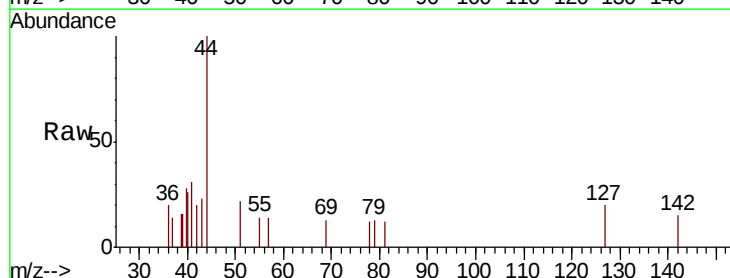
Tgt Ion: 142 Resp: 47

Ion Ratio Lower Upper

142 100

127 146.8 35.4 53.2#

141 0.0 11.4 17.2#



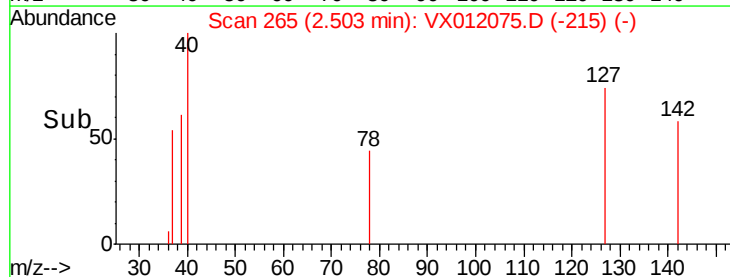
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

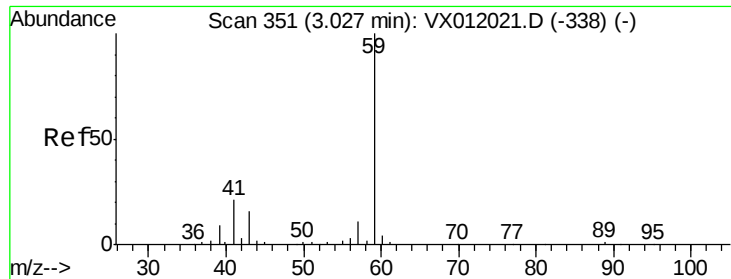
Ion 140.80 (140.50 to 141.50): V

2.50

2.48 2.52



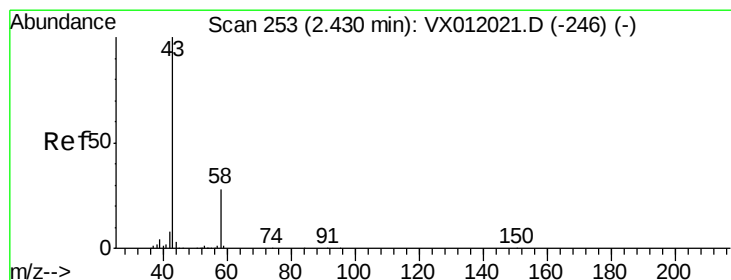
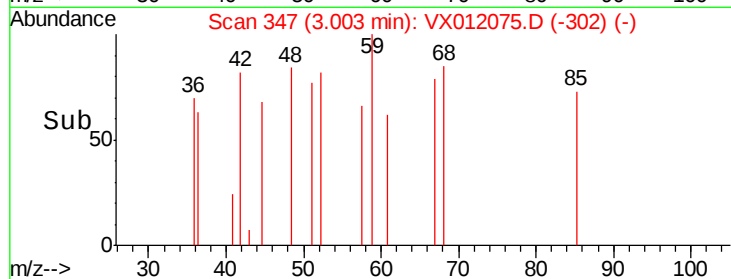
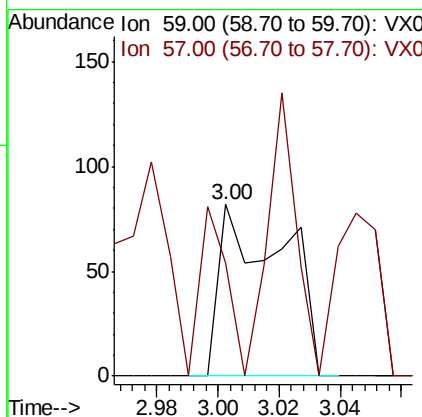
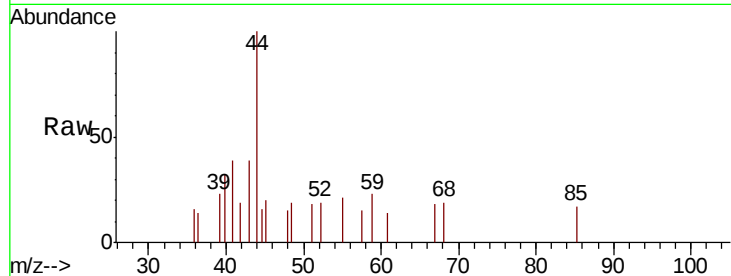
Time-->



#11
Tert butyl alcohol
Concen: 1.569 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX012075.D
Acq: 05 Sep 2019 02:53

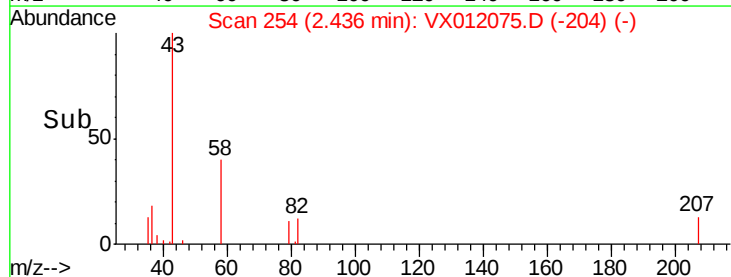
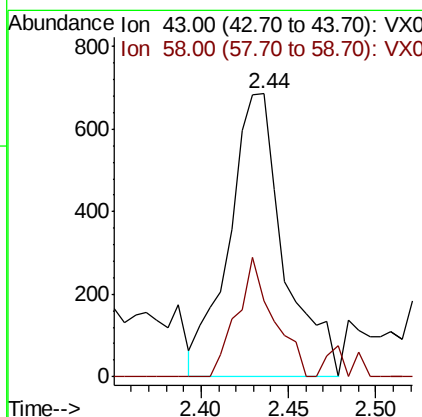
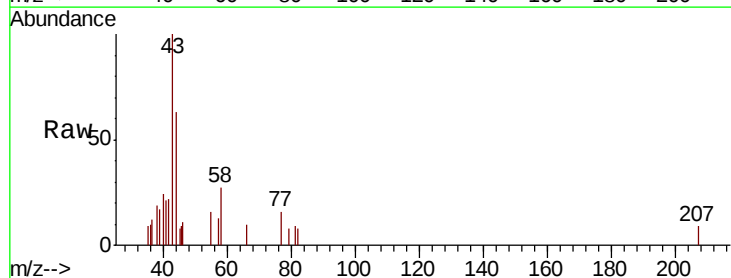
Instrument :
MSVOA_X
ClientSampled :
T16-17-E4-(2.25)

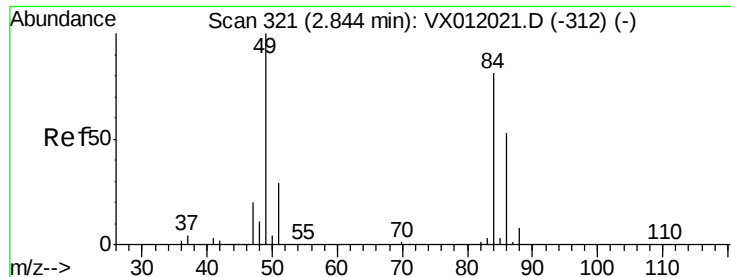
Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 41.5 7.9 11.9#



#16
Acetone
Concen: 8.009 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX012075.D
Acq: 05 Sep 2019 02:53

Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
58 26.8 22.8 34.2

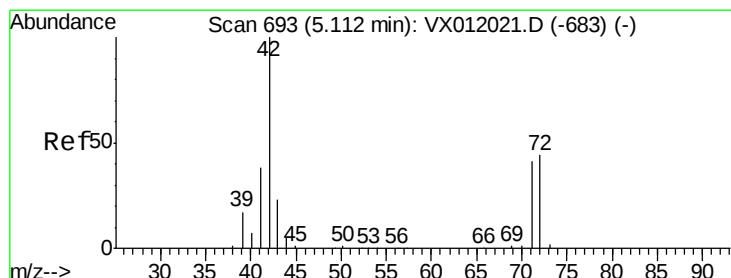
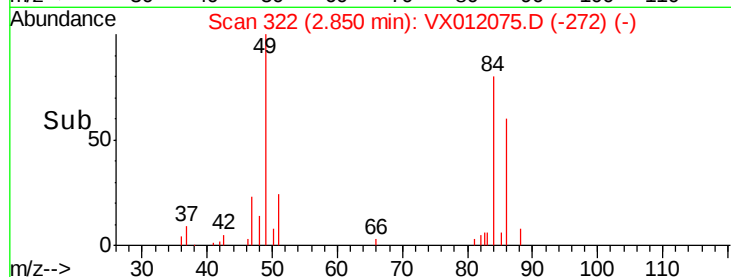
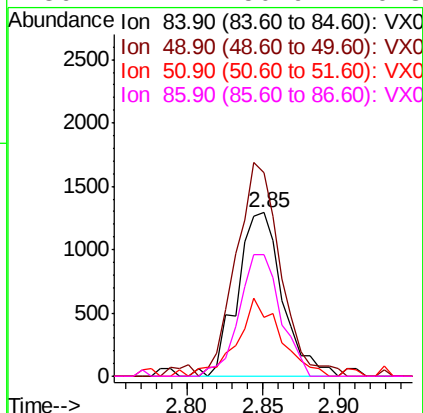
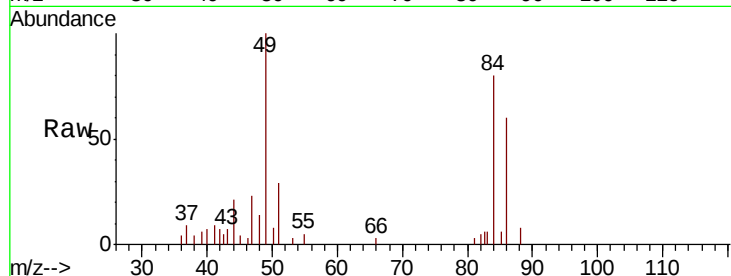




#20
Methylene Chloride
Concen: 3.522 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012075.D
Acq: 05 Sep 2019 02:53

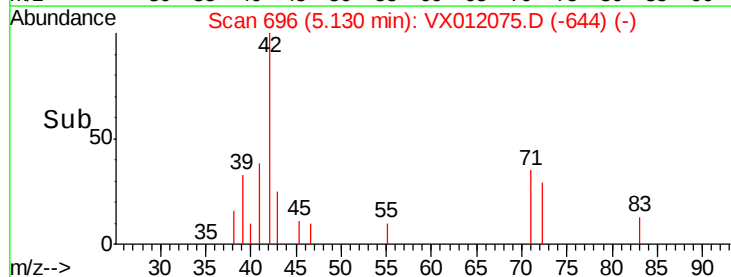
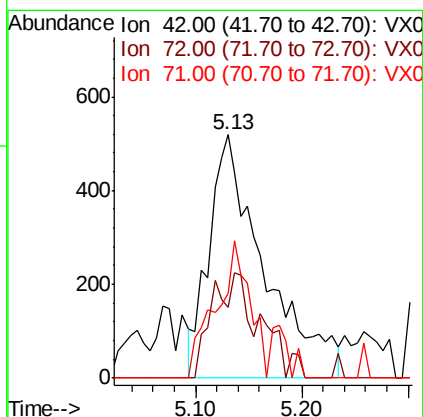
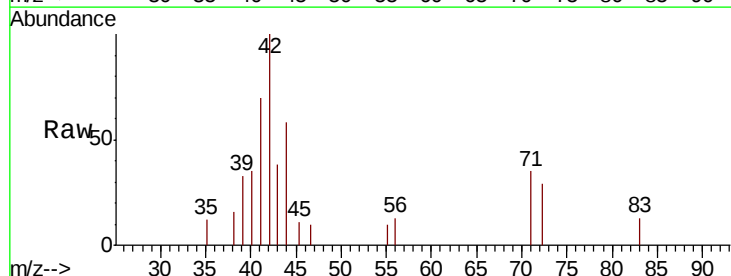
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E4-(2.25)

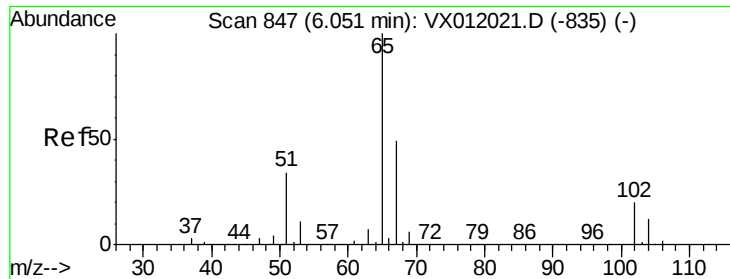
Tgt Ion:	84	Resp:	2647
Ion	Ratio	Lower	Upper
84	100		
49	119.6	95.8	143.8
51	35.9	28.6	43.0
86	74.2	50.9	76.3



#29
Tetrahydrofuran
Concen: 13.007 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012075.D
Acq: 05 Sep 2019 02:53

Tgt Ion:	42	Resp:	1867
Ion	Ratio	Lower	Upper
42	100		
72	27.0	37.0	55.4#
71	34.8	33.8	50.8

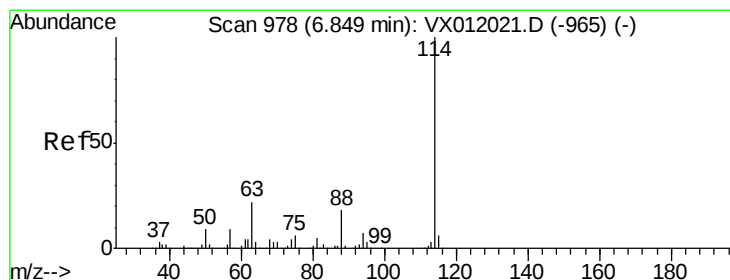
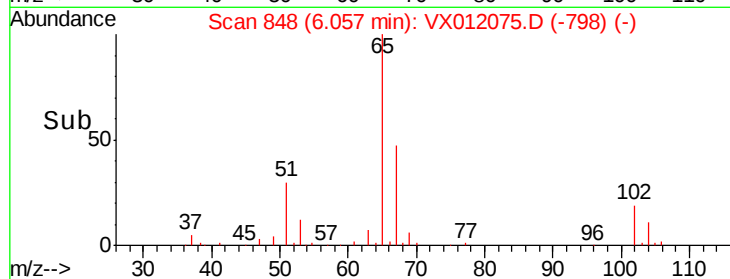
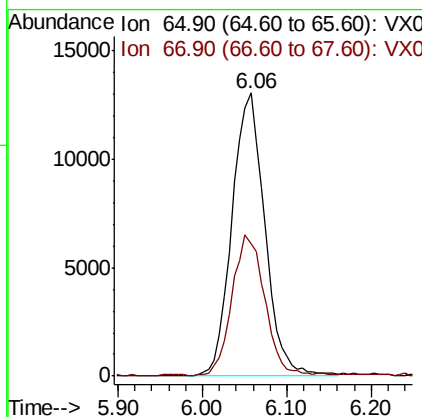
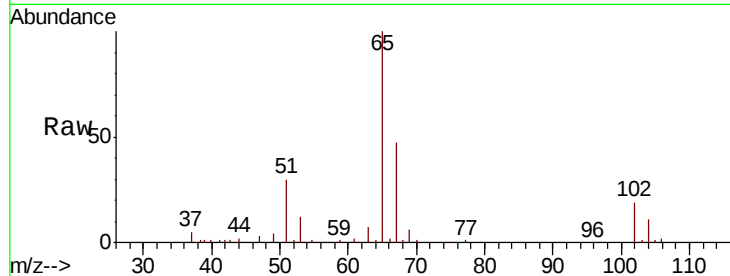




#33
 1,2-Dichloroethane-d4
 Concen: 43.918 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012075.D
 Acq: 05 Sep 2019 02:53

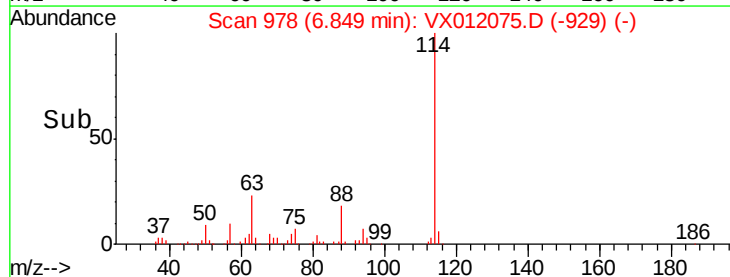
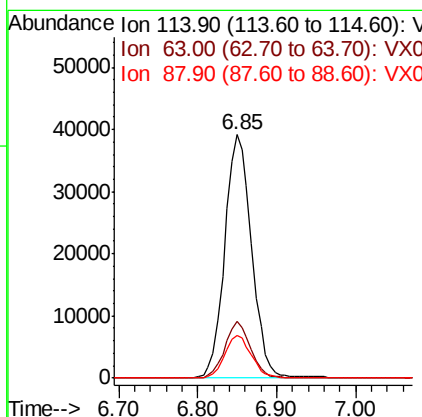
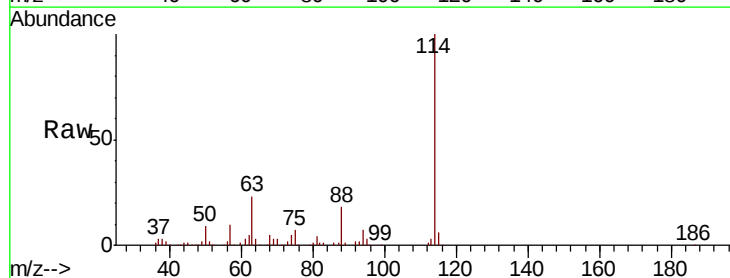
Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E4-(2.25)

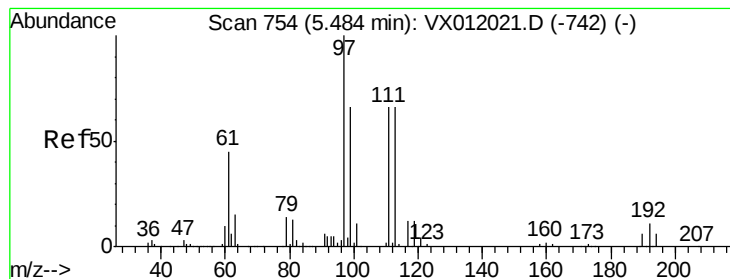
Tgt Ion: 65 Resp: 34388
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012075.D
 Acq: 05 Sep 2019 02:53

Tgt Ion: 114 Resp: 92838
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 37.4
 88 17.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.152 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E4-(2.25)

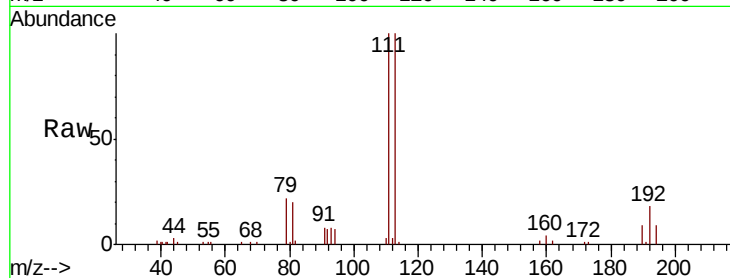
Tgt Ion:113 Resp: 27491

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

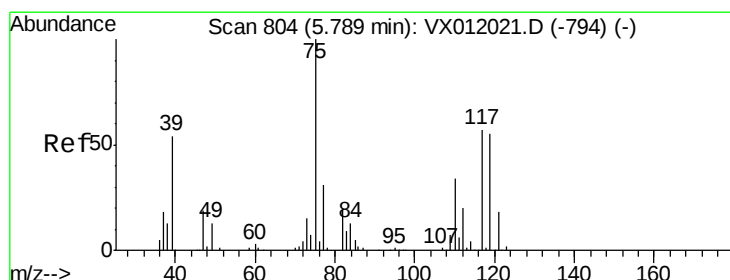
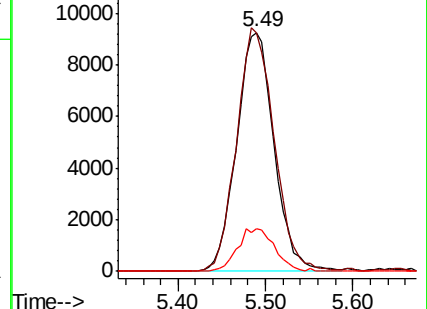
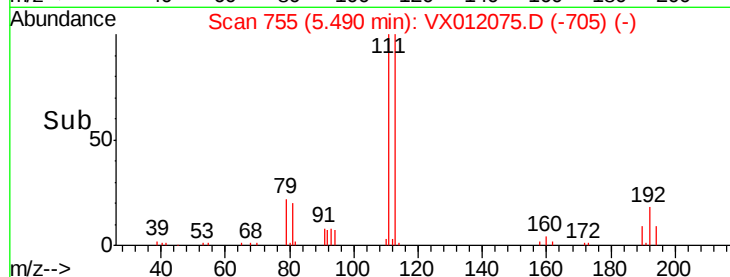
192 17.7 22.5 33.7#



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: 6.267 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

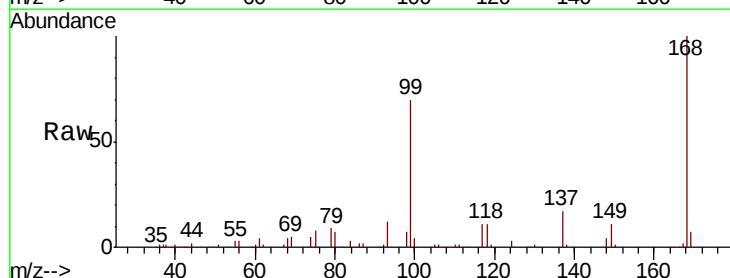
Tgt Ion: 75 Resp: 5124

Ion Ratio Lower Upper

75 100

110 12.4 19.5 58.5#

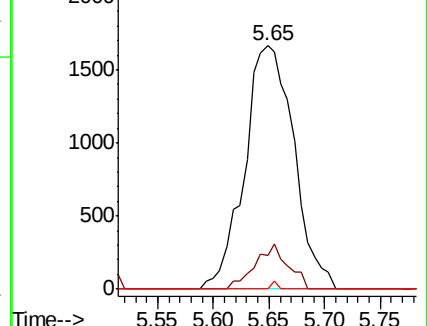
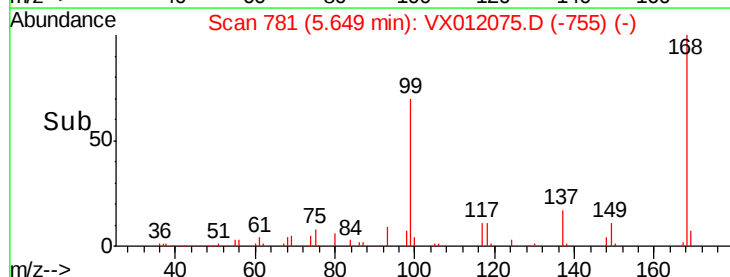
77 0.4 24.6 37.0#

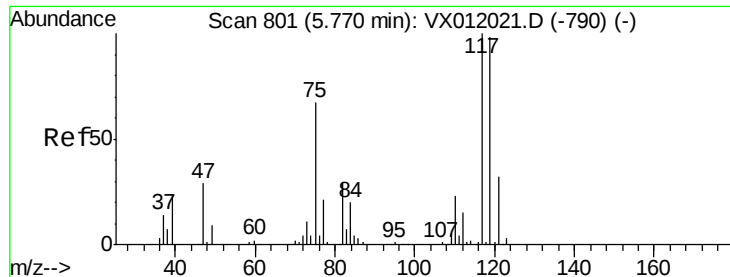


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.580 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E4-(2.25)

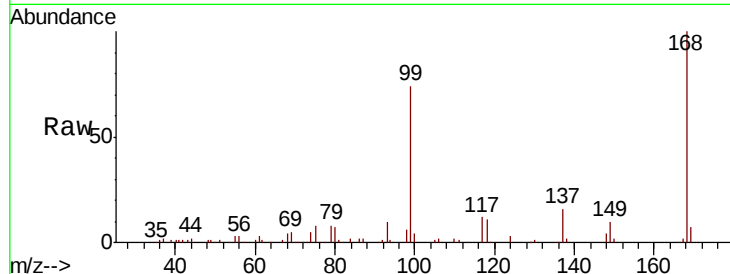
Tgt Ion:117 Resp: 6531

Ion Ratio Lower Upper

117 100

119 4.0 78.3 117.5#

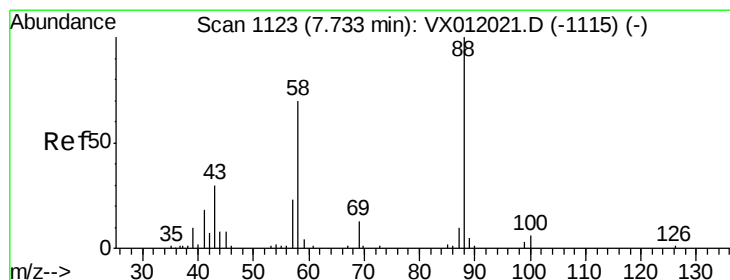
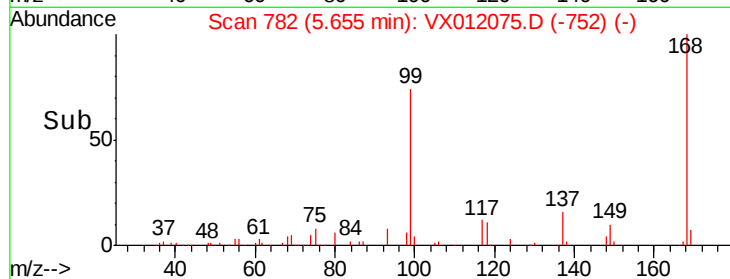
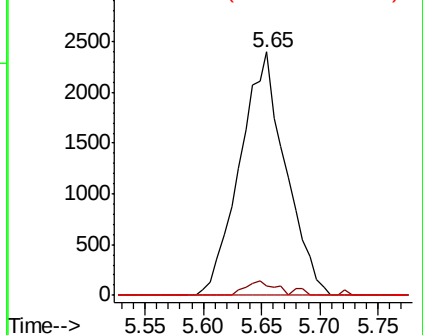
121 0.0 24.2 36.2#



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: 7.262 ug/l

RT: 7.64 min Scan# 1107

Delta R.T. -0.09 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

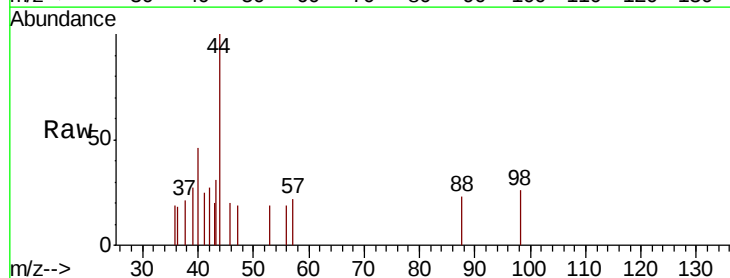
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 366.7 29.8 44.6#

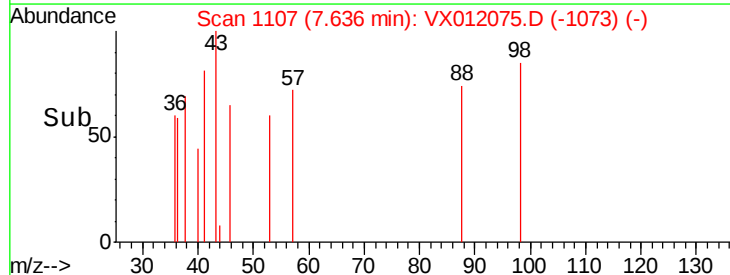
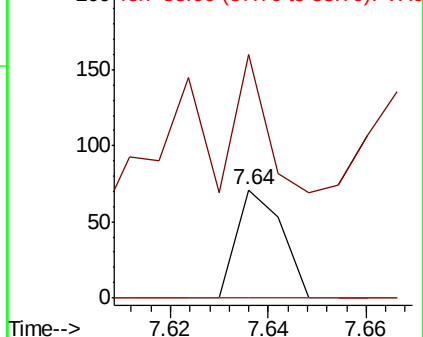
58 0.0 55.4 83.2#

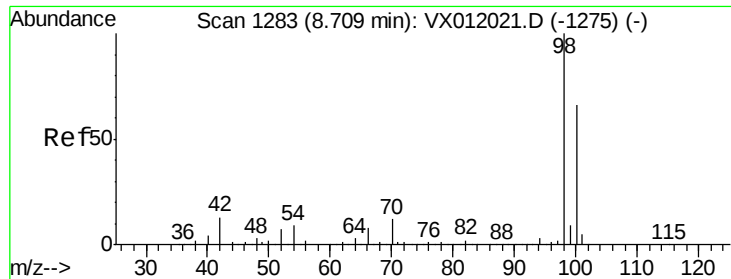


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.787 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

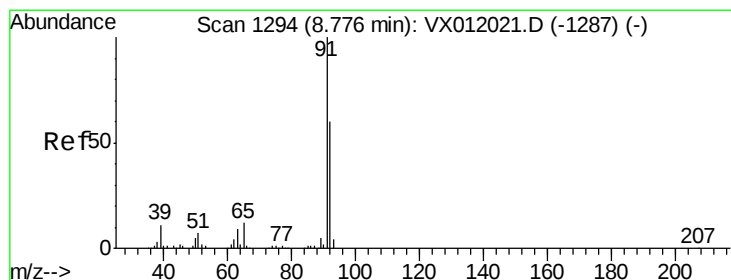
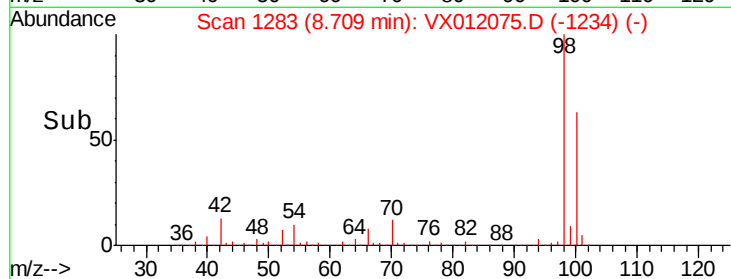
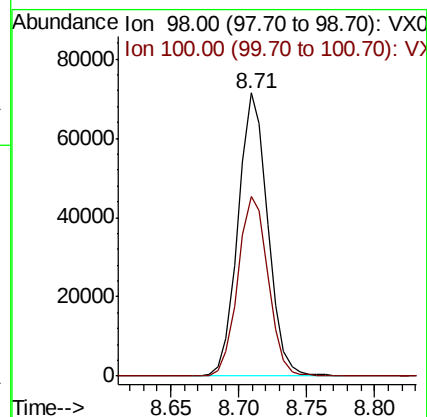
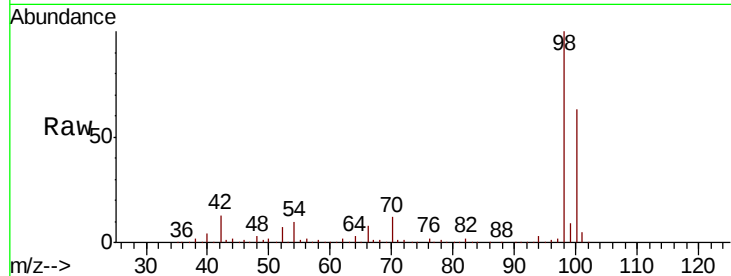
T16-17-E4-(2.25)

Tgt Ion: 98 Resp: 108495

Ion Ratio Lower Upper

98 100

100 64.6 53.3 79.9



#52

Toluene

Concen: 1.968 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX012075.D

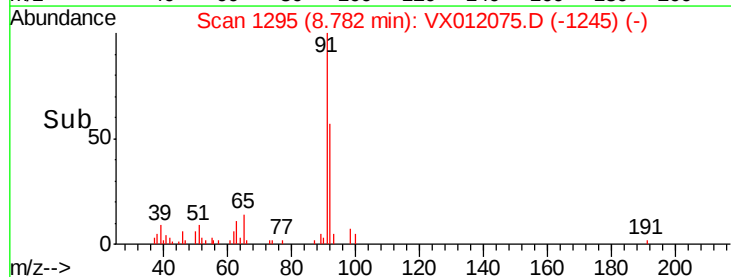
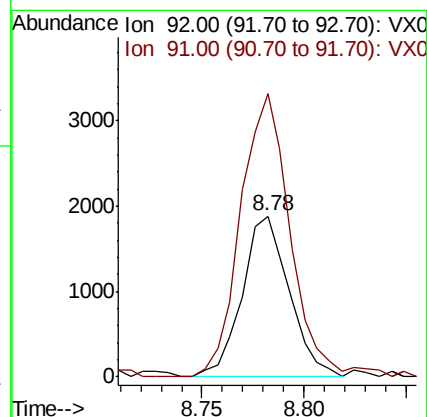
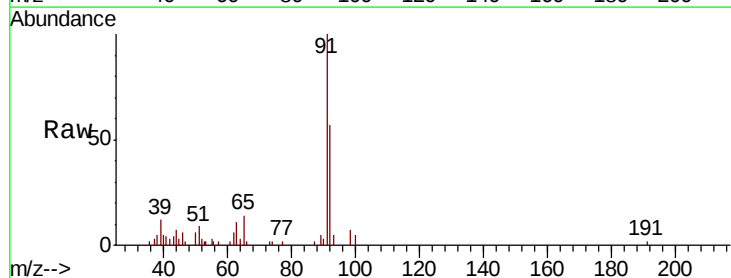
Acq: 05 Sep 2019 02:53

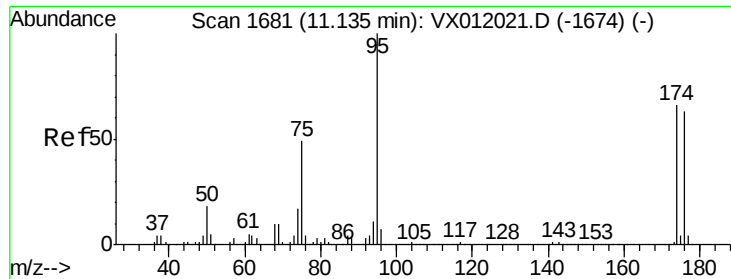
Tgt Ion: 92 Resp: 3006

Ion Ratio Lower Upper

92 100

91 187.8 136.0 204.0

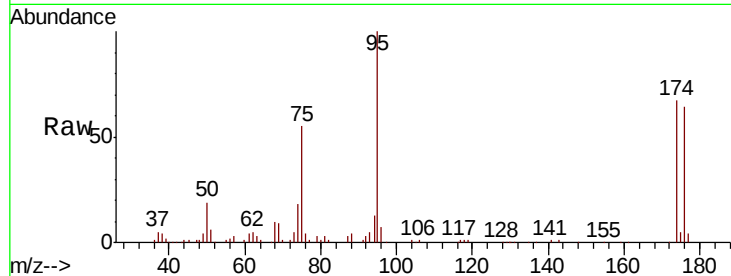




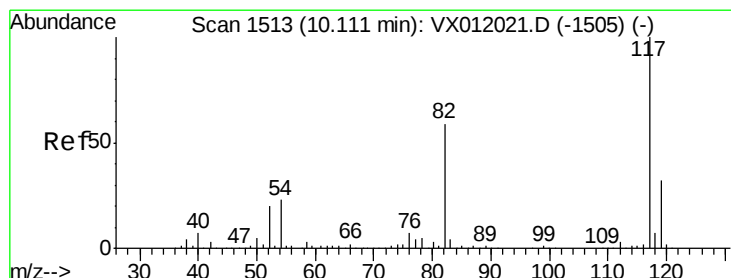
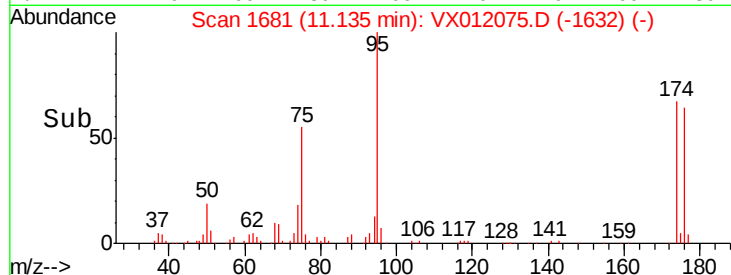
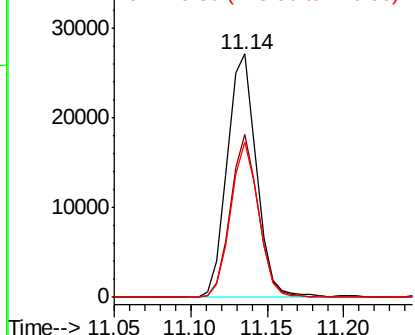
#62
4-Bromofluorobenzene
Concen: 37.238 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012075.D
Acq: 05 Sep 2019 02:53

Instrument :
MSVOA_X
ClientSampleId :
T16-17-E4-(2.25)

Tgt Ion: 95 Resp: 36282
Ion Ratio Lower Upper
95 100
174 63.5 0.0 205.4
176 60.6 0.0 201.8

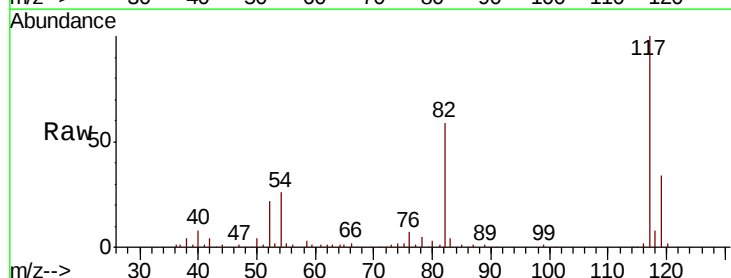


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

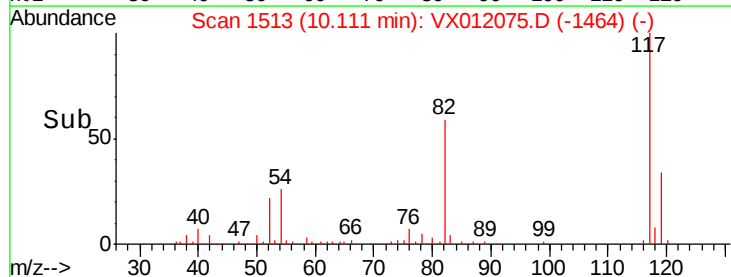
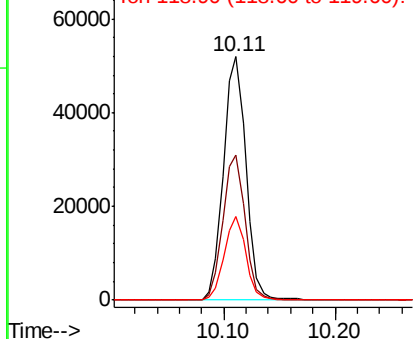


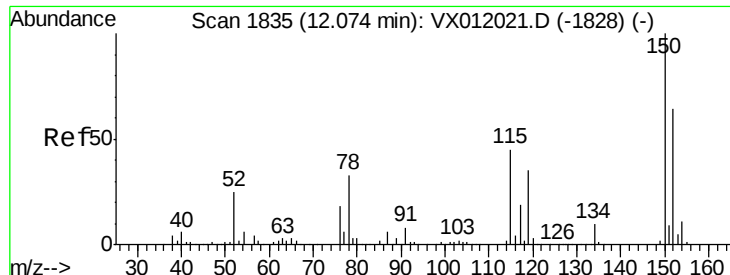
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012075.D
Acq: 05 Sep 2019 02:53

Tgt Ion: 117 Resp: 72672
Ion Ratio Lower Upper
117 100
82 59.4 39.4 59.0#
119 34.2 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: VX012075.D

Acq: 05 Sep 2019 02:53

Instrument :

MSVOA_X

ClientSampled :

T16-17-E4-(2.25)

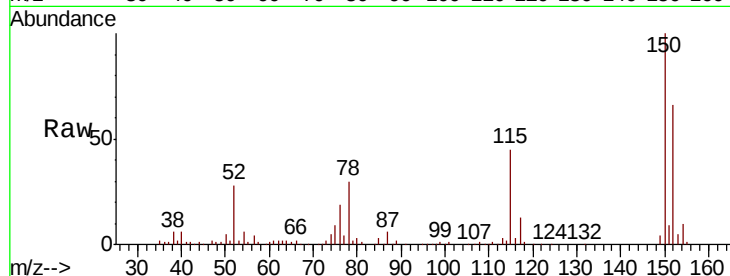
Tgt Ion:152 Resp: 25777

Ion Ratio Lower Upper

152 100

115 67.6 36.4 109.3

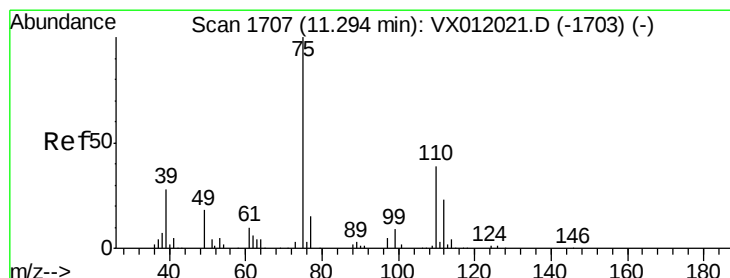
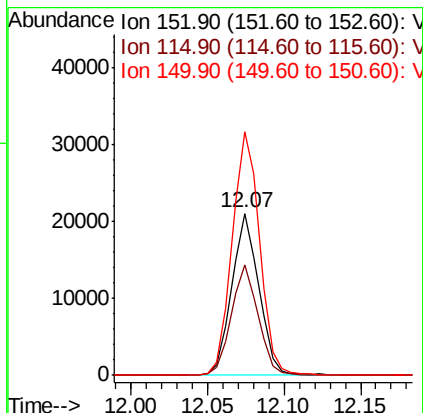
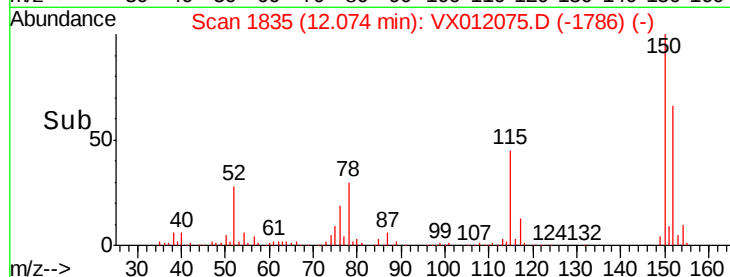
150 152.2 0.0 341.2



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: 59.246 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012075.D

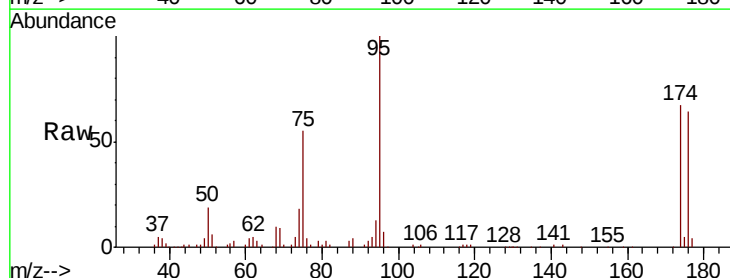
Acq: 05 Sep 2019 02:53

Tgt Ion: 75 Resp: 18660

Ion Ratio Lower Upper

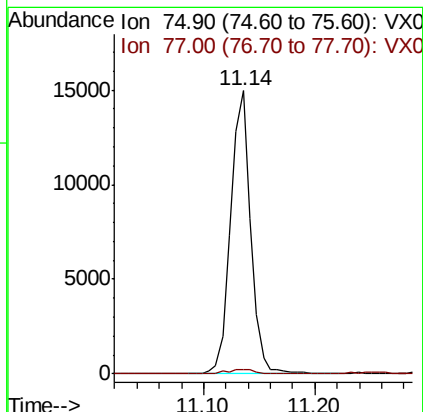
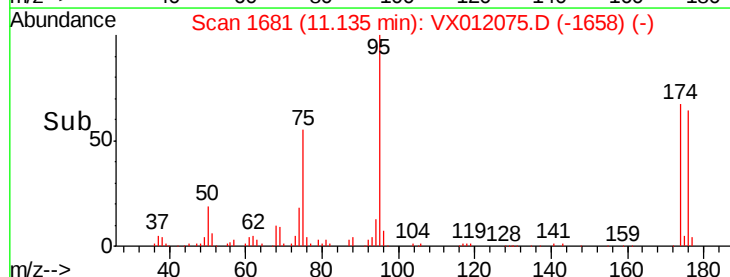
75 100

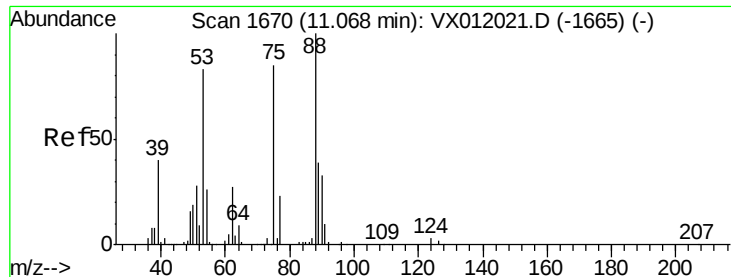
77 1.9 23.5 70.5#



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: 140.068 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012075.D

Acq: 05 Sep 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E4-(2.25)

Tgt Ion: 75 Resp: 18660

Ion Ratio Lower Upper

75 100

53 0.3 78.6 117.8#

89 0.0 38.8 58.2#

