

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012108.D
 Acq On : 05 Sep 2019 18:34
 Operator : SY/SP
 Sample : K4545-07RE
 Misc : 3.56g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Sep 06 05:44:22 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	143493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	249392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	202028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	68026	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	97440	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.48	113	75356	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.71	98	287530	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.13	95	97931	37.42	ug/l	0.00
Spiked Amount			Recovery	=	74.84%	

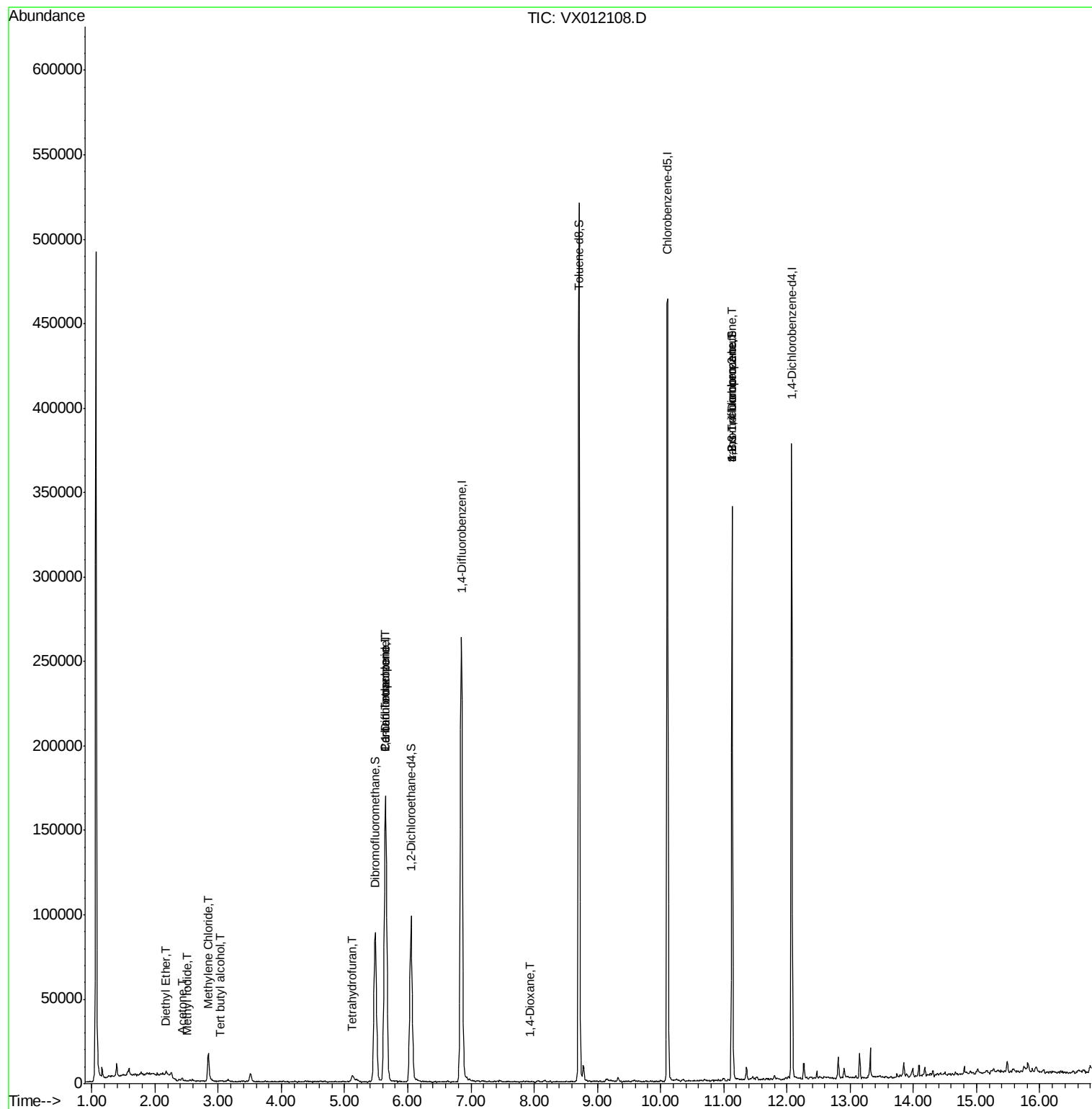
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	711	1.039	ug/l	74
10) Methyl Iodide	2.50	142	20	7.000	ug/l #	40
11) Tert butyl alcohol	3.03	59	280	1.472	ug/l #	87
13) Acrolein	2.26	56	331	Below Cal	#	12
16) Acetone	2.43	43	1428	3.017	ug/l #	88
20) Methylene Chloride	2.84	84	7438	3.914	ug/l	95
29) Tetrahydrofuran	5.12	42	3821	10.528	ug/l	99
36) 1,1-Dichloropropene	5.65	75	13443	6.120	ug/l #	48
38) Carbon Tetrachloride	5.65	117	16939	7.319	ug/l #	15
49) 1,4-Dioxane	7.93	88	23	1.382	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	51060	61.431	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	51060	145.233	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012108.D
Acq On : 05 Sep 2019 18:34
Operator : SY/SP
Sample : K4545-07RE
Misc : 3.56g/5.0mL/MSVOA_X/SOIL
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Sep 06 05:44:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
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: VX012108.D

Acq: 05 Sep 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

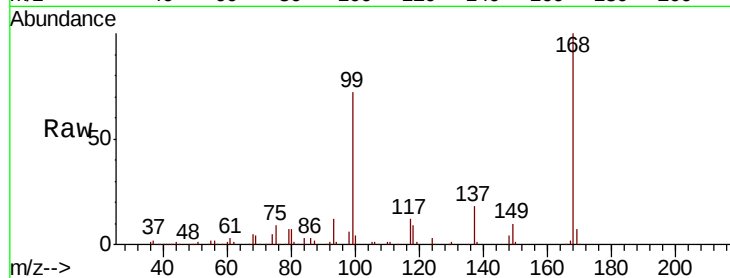
T16-17-E4-(2.25)

Tgt Ion:168 Resp: 143493

Ion Ratio Lower Upper

168 100

99 72.1 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

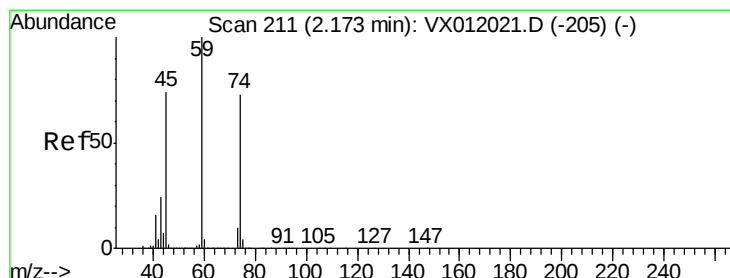
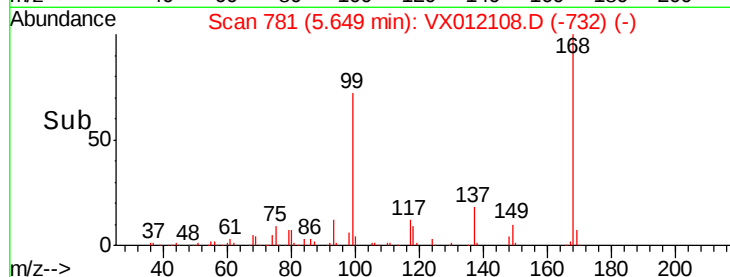
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.039 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012108.D

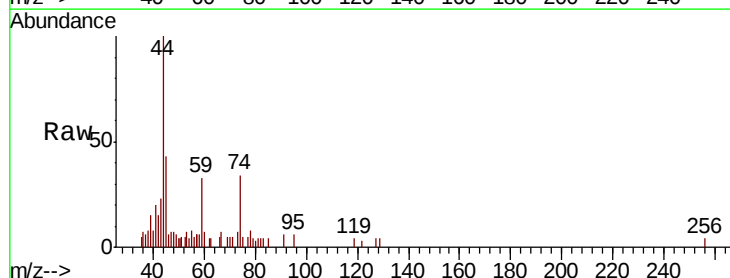
Acq: 05 Sep 2019 18:34

Tgt Ion: 74 Resp: 711

Ion Ratio Lower Upper

74 100

45 116.6 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

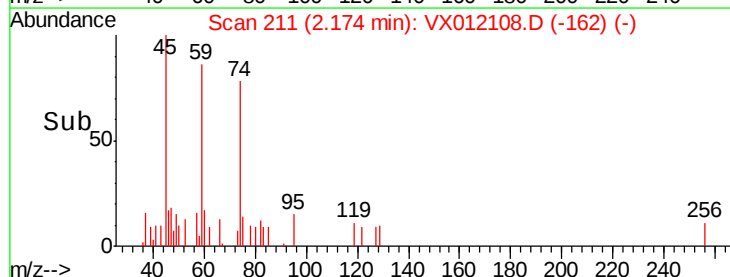
400

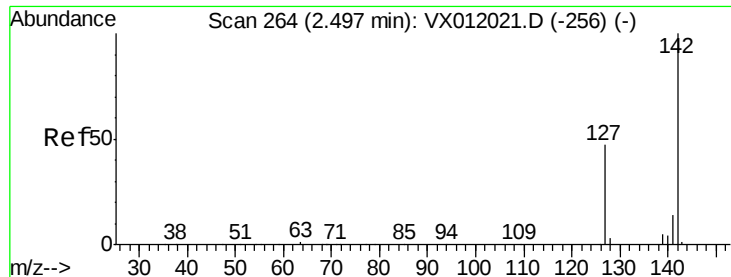
200

0

Time-->

2.15 2.20

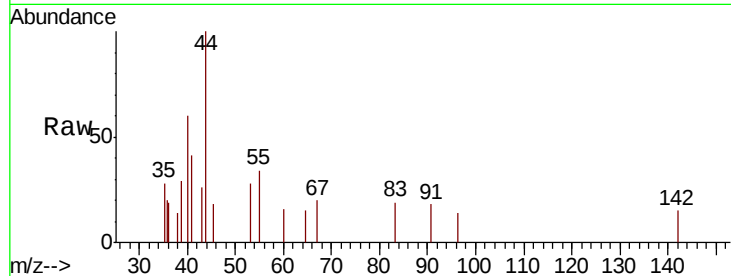




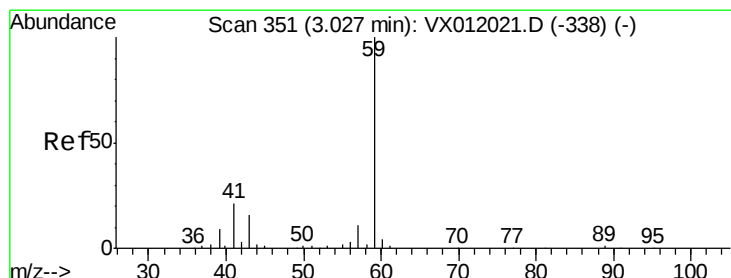
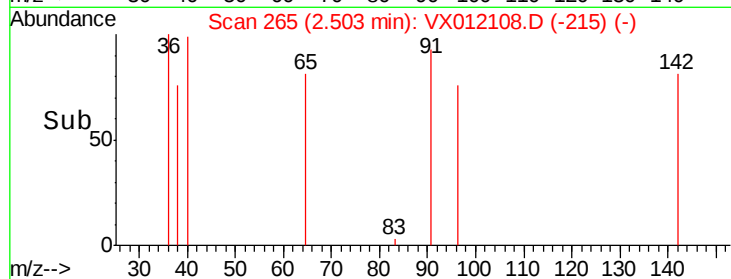
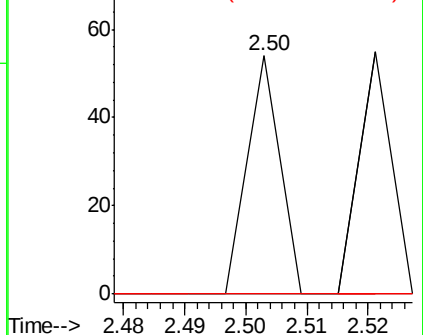
#10
Methyl Iodide
Concen: 7.000 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012108.D
Acq: 05 Sep 2019 18:34

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

Tgt Ion: 142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

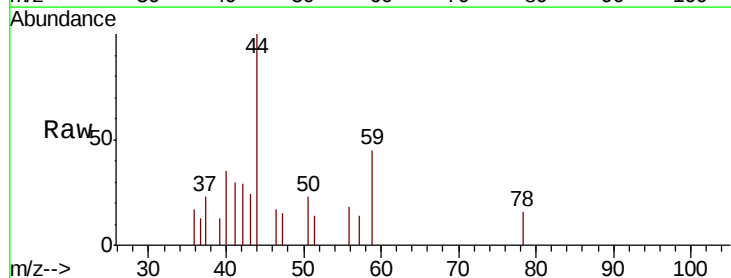


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

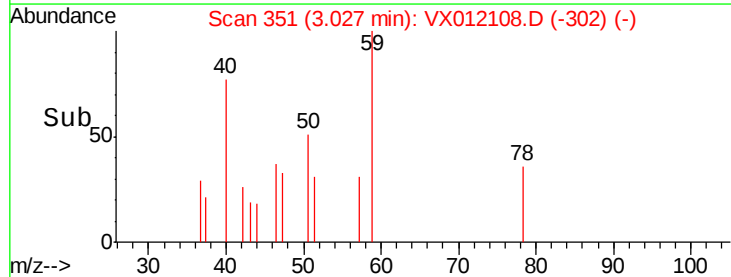
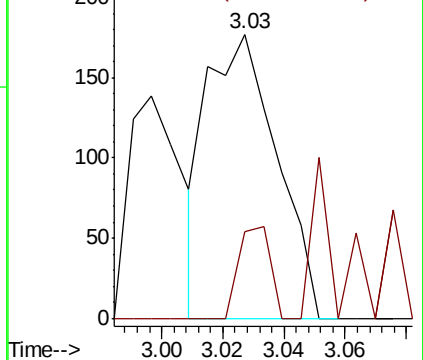


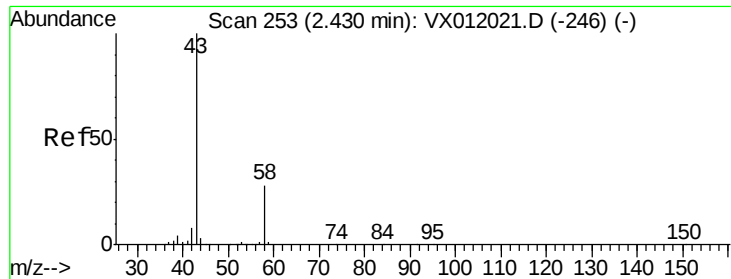
#11
Tert butyl alcohol
Concen: 1.472 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX012108.D
Acq: 05 Sep 2019 18:34

Tgt Ion: 59 Resp: 280
Ion Ratio Lower Upper
59 100
57 14.6 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: 3.017 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012108.D

Acq: 05 Sep 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

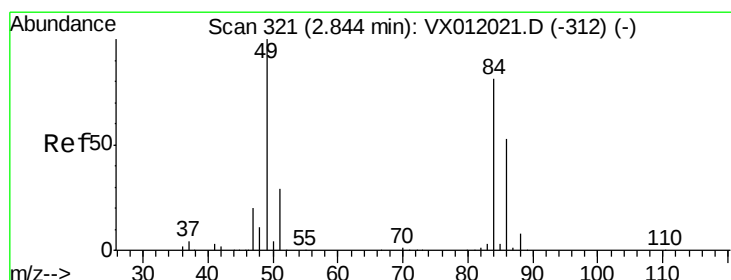
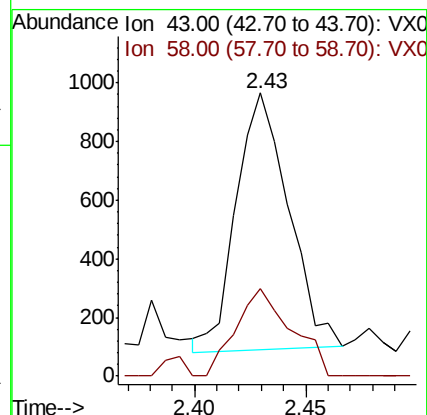
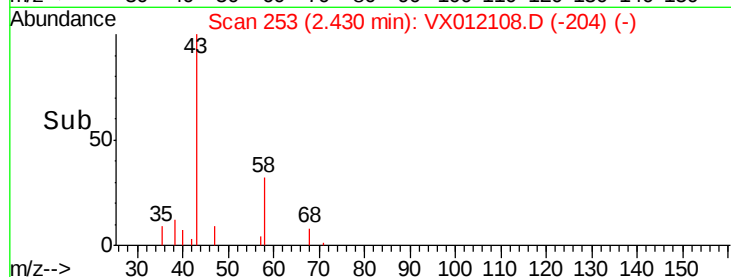
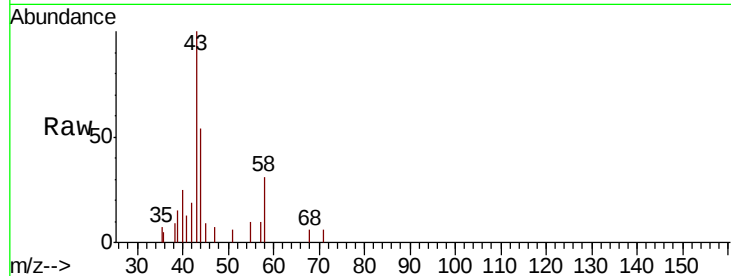
T16-17-E4-(2.25)

Tgt Ion: 43 Resp: 1428

Ion Ratio Lower Upper

43 100

58 34.6 22.8 34.2#



#20

Methylene Chloride

Concen: 3.914 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX012108.D

Acq: 05 Sep 2019 18:34

Tgt Ion: 84 Resp: 7438

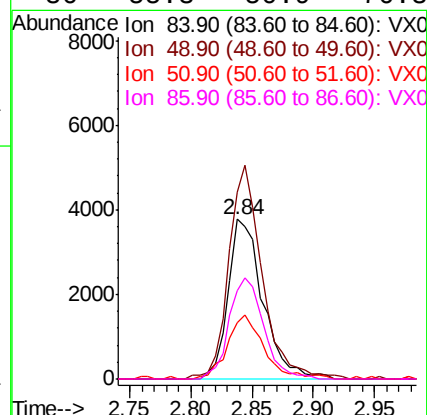
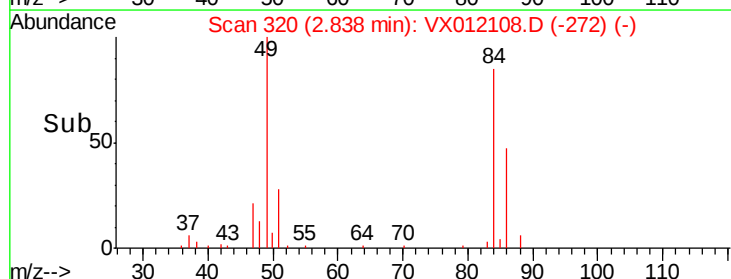
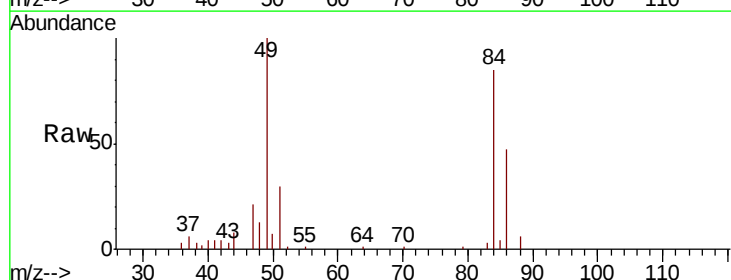
Ion Ratio Lower Upper

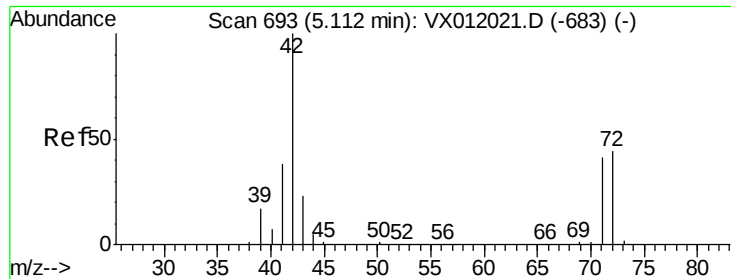
84 100

49 115.7 95.8 143.8

51 35.4 28.6 43.0

86 55.3 50.9 76.3

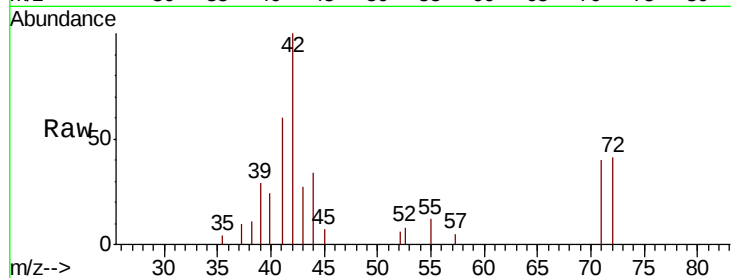




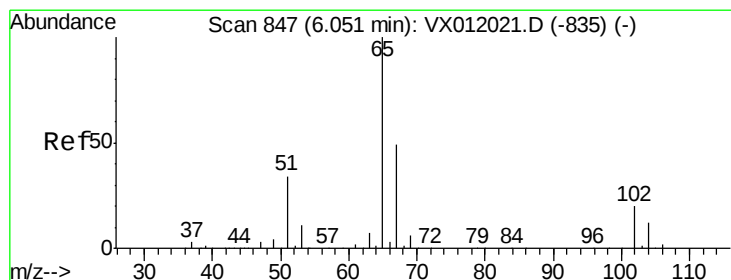
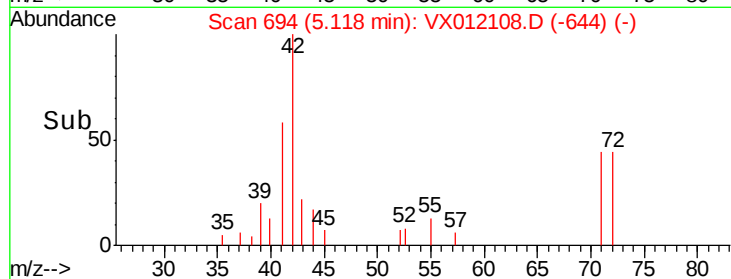
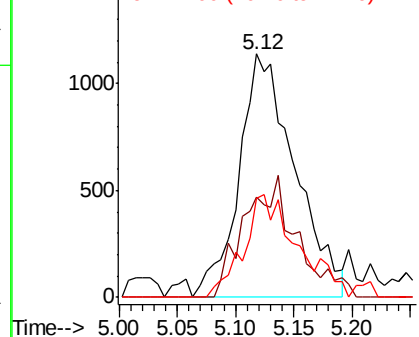
#29
Tetrahydrofuran
Concen: 10.528 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012108.D
Acq: 05 Sep 2019 18:34

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

Tgt Ion: 42 Resp: 3821
Ion Ratio Lower Upper
42 100
72 46.3 37.0 55.4
71 40.4 33.8 50.8

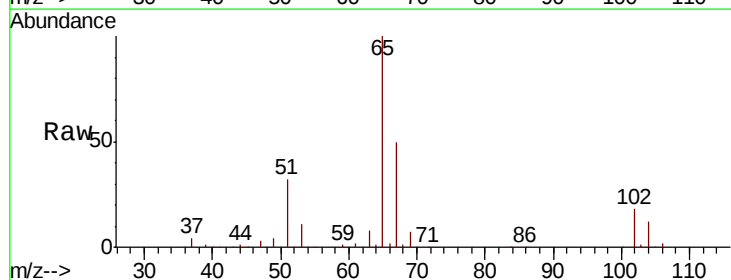


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

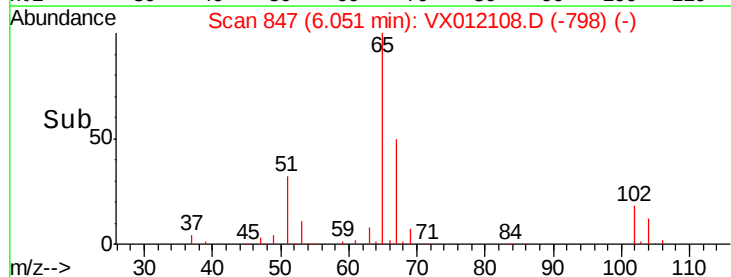
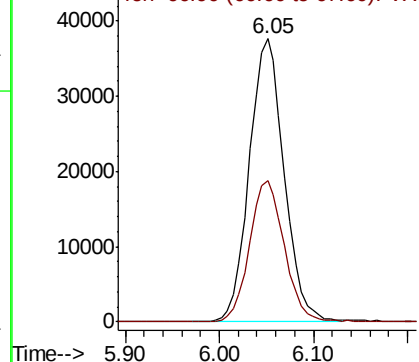


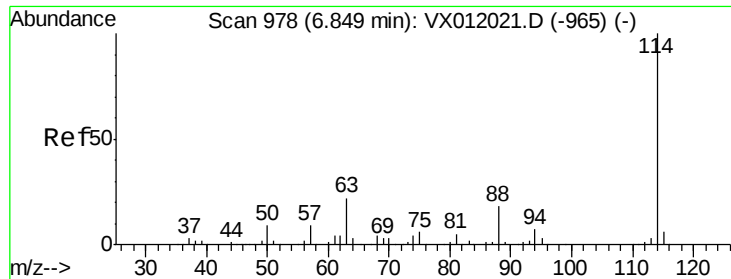
#33
1,2-Dichloroethane-d4
Concen: 49.214 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012108.D
Acq: 05 Sep 2019 18:34

Tgt Ion: 65 Resp: 97440
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

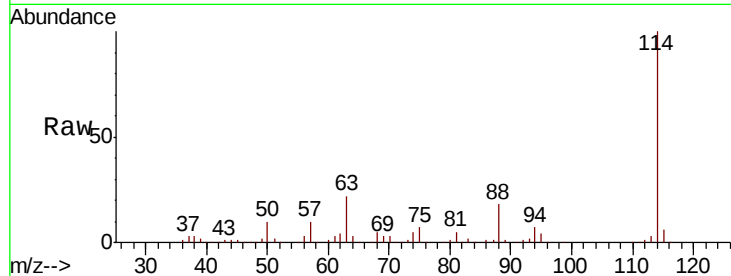




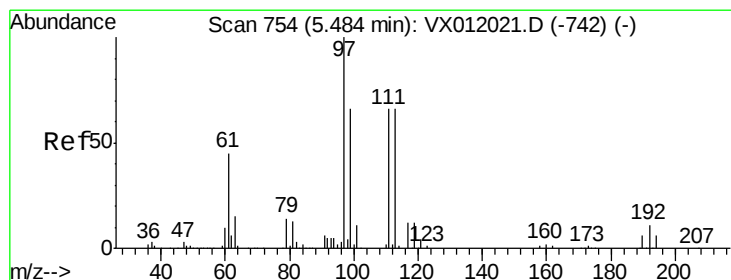
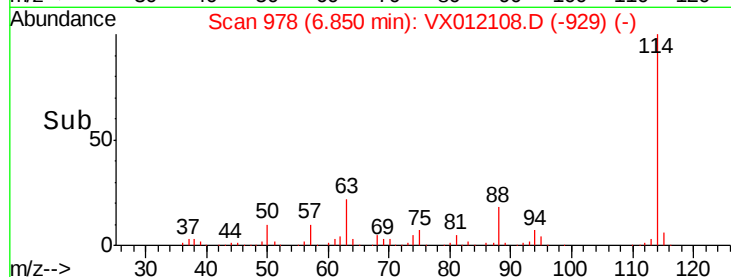
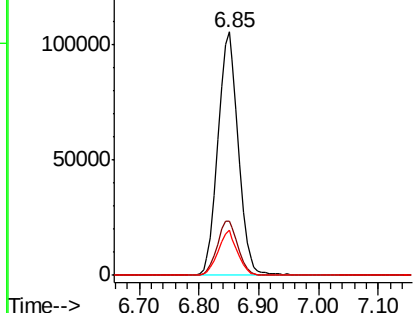
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012108.D
 Acq: 05 Sep 2019 18:34

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

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	37.4
88	18.5	0.0	29.6

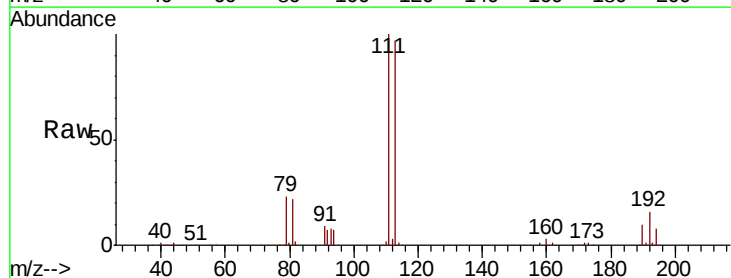


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

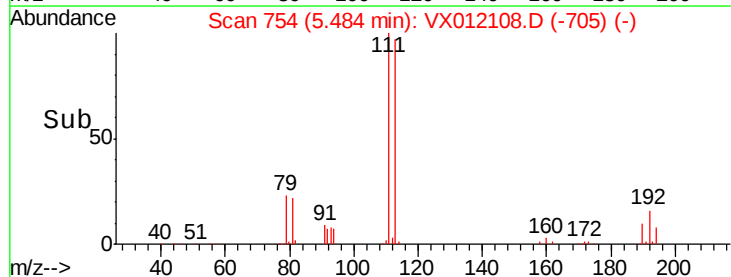
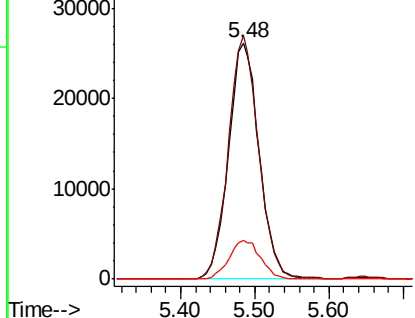


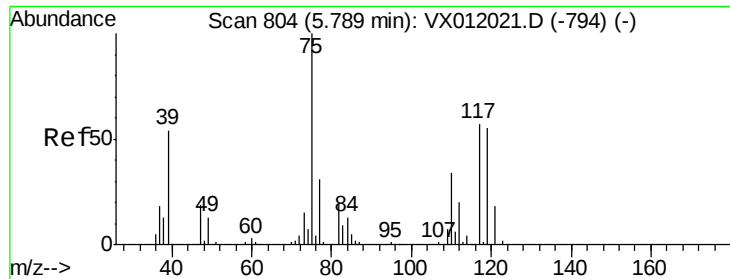
#35
 Dibromofluoromethane
 Concen: 49.134 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012108.D
 Acq: 05 Sep 2019 18:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.7	122.5
192	16.8	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

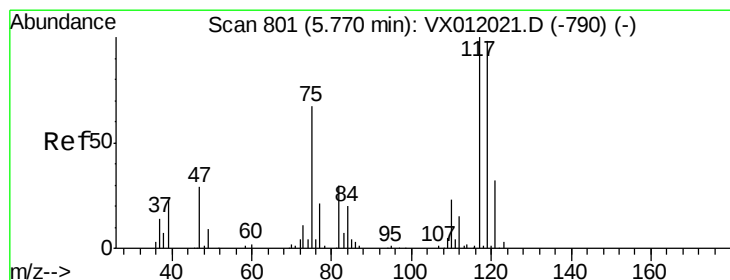
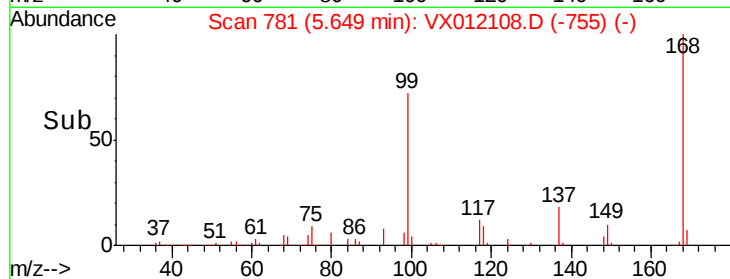
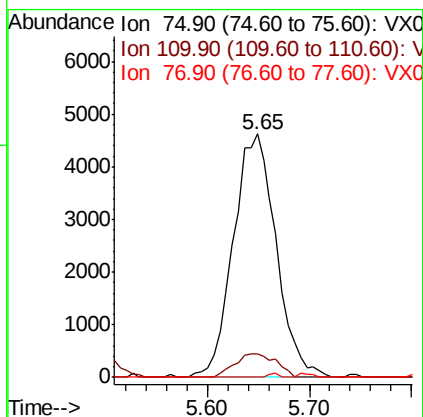
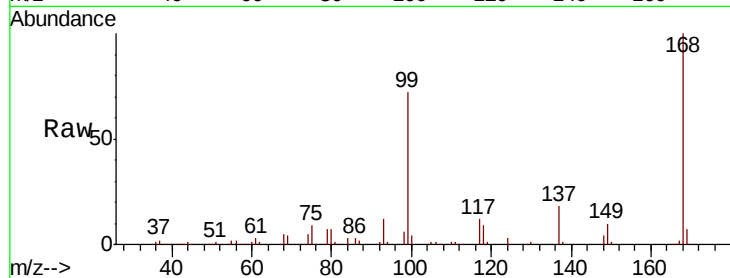




#36
 1,1-Dichloropropene
 Concen: 6.120 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012108.D
 Acq: 05 Sep 2019 18:34

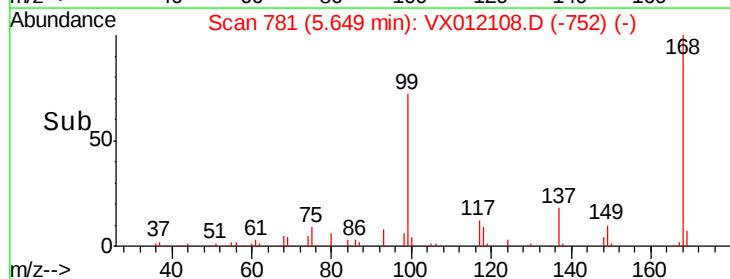
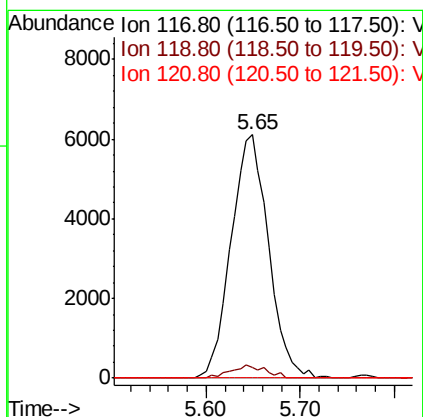
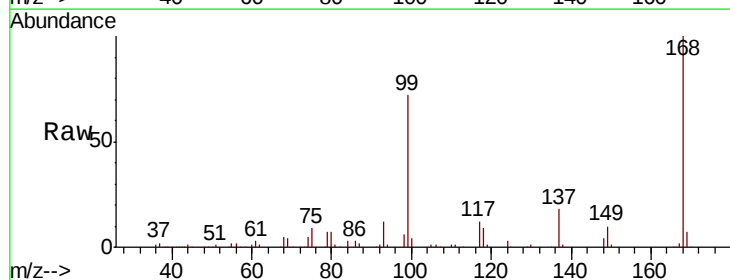
Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E4-(2.25)

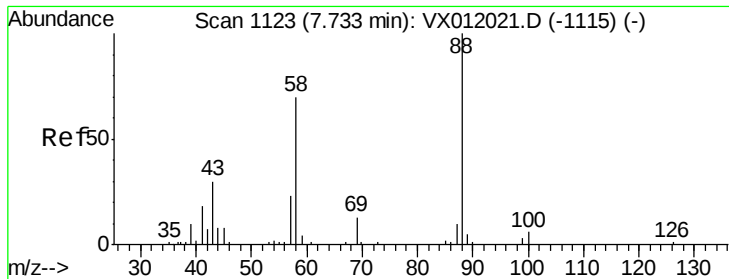
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.5	58.5#
77	0.4	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.319 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012108.D
 Acq: 05 Sep 2019 18:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	78.3	117.5#
121	0.0	24.2	36.2#

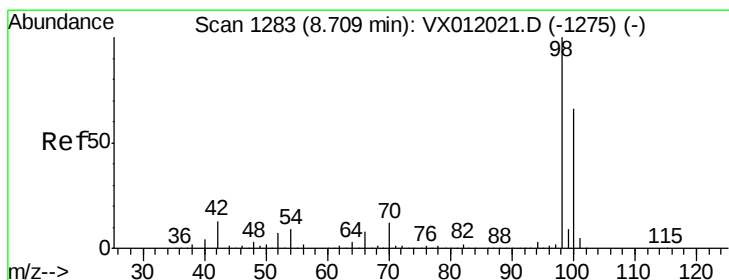
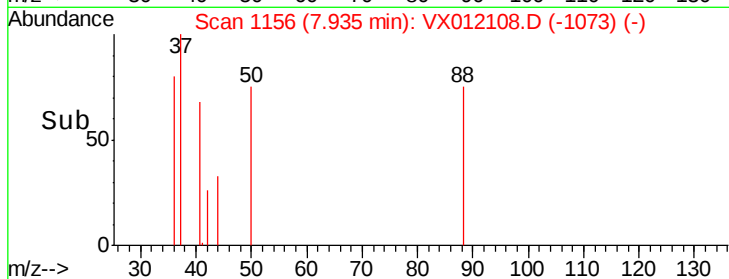
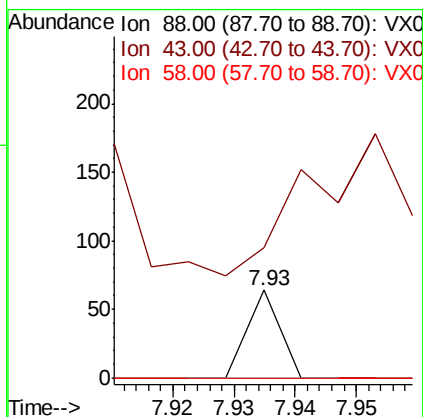
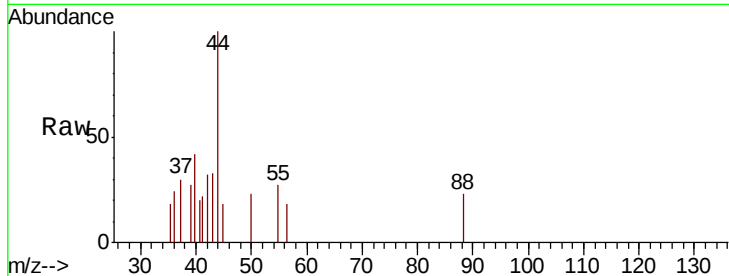




#49
1,4-Dioxane
Concen: 1.382 ug/l
RT: 7.93 min Scan# 1156
Delta R.T. 0.21 min
Lab File: VX012108.D
Acq: 05 Sep 2019 18:34

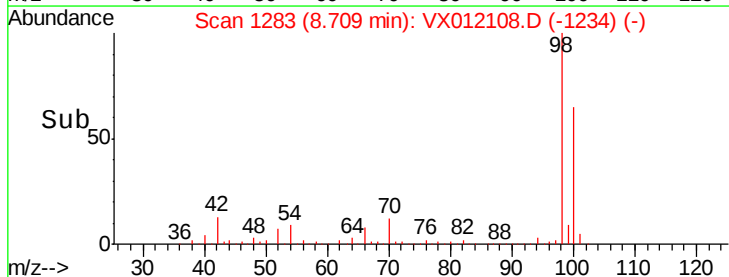
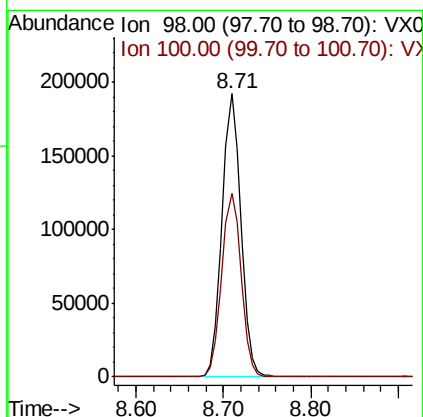
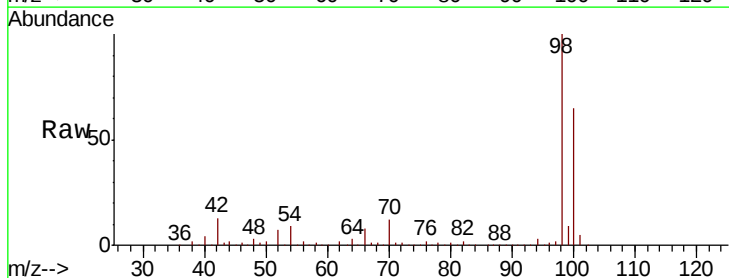
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E4-(2.25)

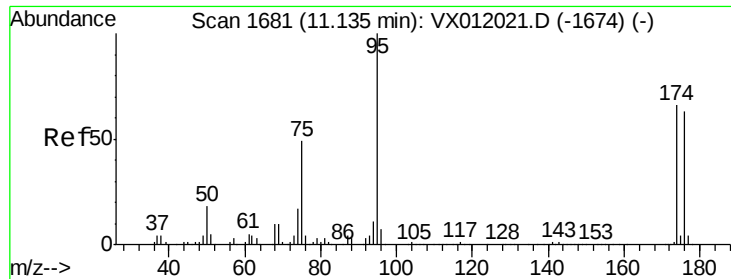
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 800.0 29.8 44.6#
58 0.0 55.4 83.2#



#50
Toluene-d8
Concen: 51.090 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012108.D
Acq: 05 Sep 2019 18:34

Tgt Ion: 98 Resp: 287530
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9

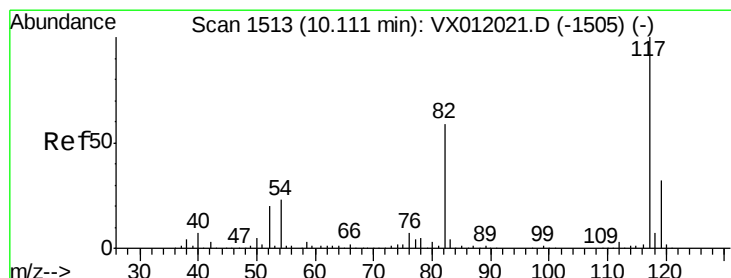
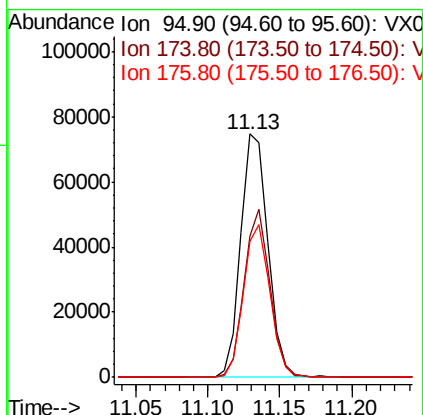
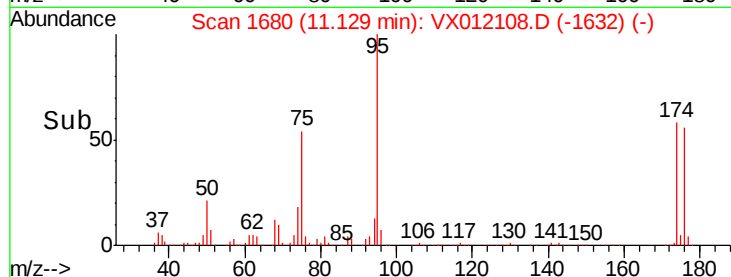
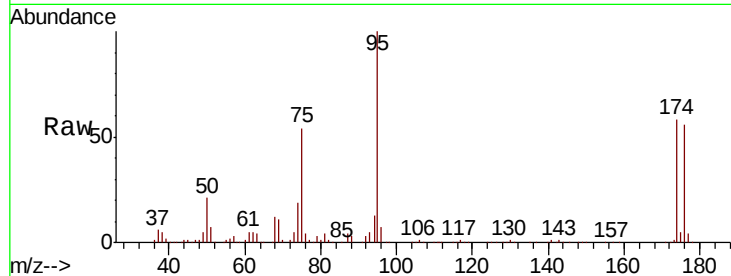




#62
4-Bromofluorobenzene
Concen: 37.416 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012108.D
Acq: 05 Sep 2019 18:34

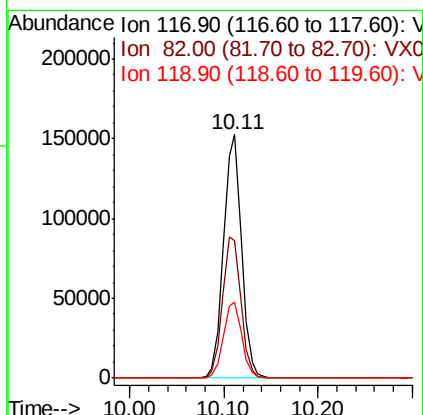
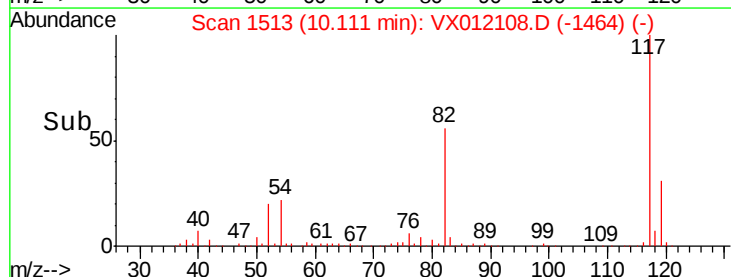
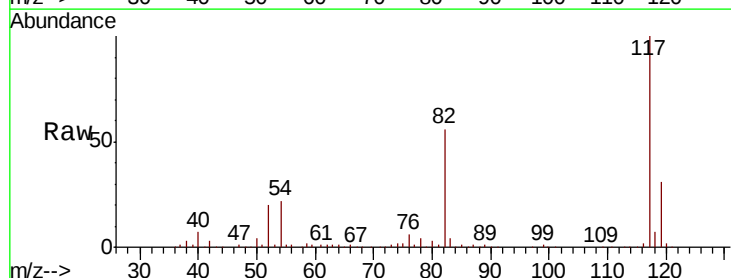
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E4-(2.25)

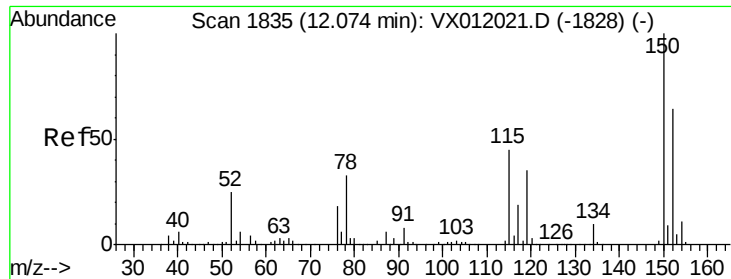
Tgt Ion: 95 Resp: 97931
Ion Ratio Lower Upper
95 100
174 64.9 0.0 205.4
176 61.1 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012108.D
Acq: 05 Sep 2019 18:34

Tgt Ion: 117 Resp: 202028
Ion Ratio Lower Upper
117 100
82 56.3 39.4 59.0
119 31.3 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: VX012108.D

Acq: 05 Sep 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E4-(2.25)

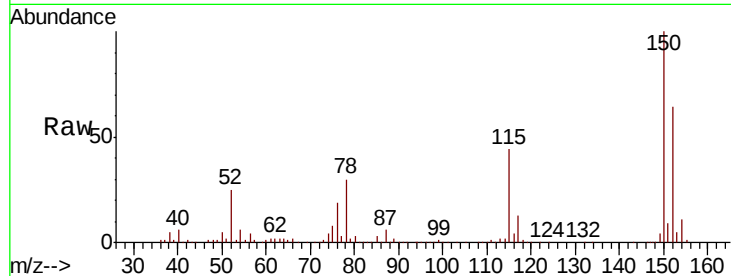
Tgt Ion:152 Resp: 68026

Ion Ratio Lower Upper

152 100

115 66.8 36.4 109.3

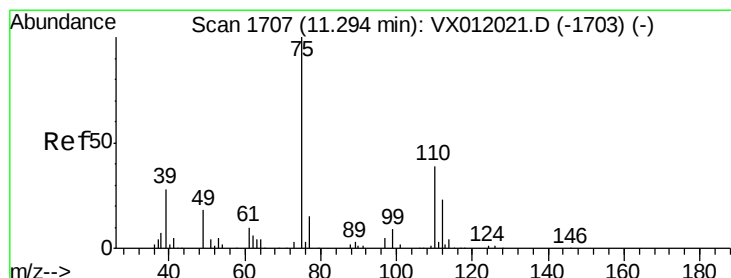
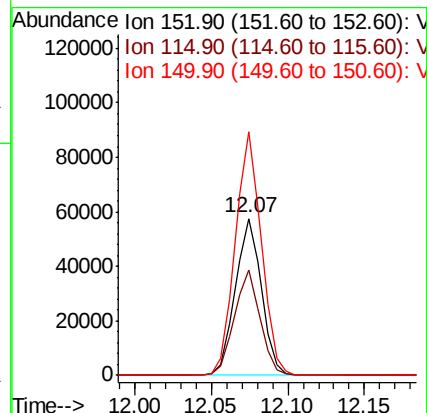
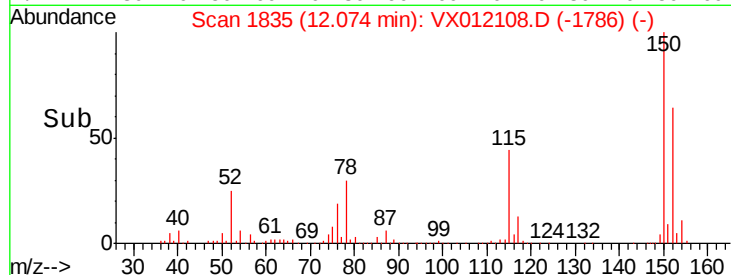
150 155.4 0.0 341.2



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: 61.431 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012108.D

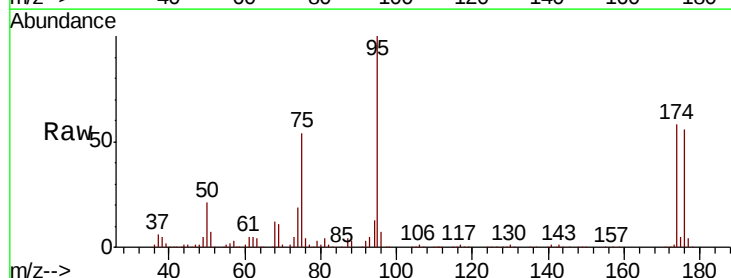
Acq: 05 Sep 2019 18:34

Tgt Ion: 75 Resp: 51060

Ion Ratio Lower Upper

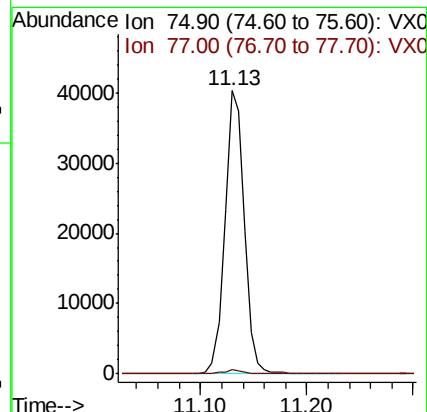
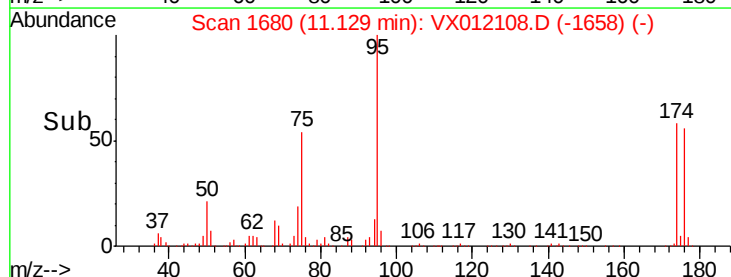
75 100

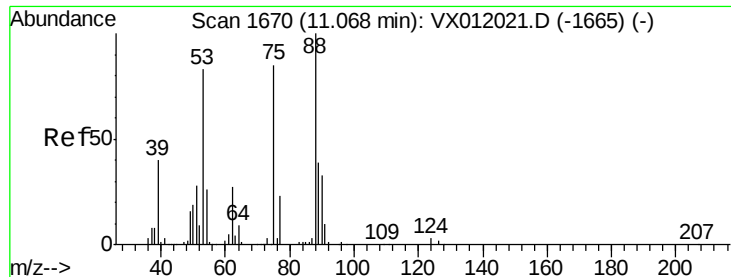
77 1.8 23.5 70.5#



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: 145.233 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012108.D

Acq: 05 Sep 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E4-(2.25)

Tgt Ion: 75 Resp: 51060

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

