

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX012005.D
 Acq On : 01 Sep 2019 21:15
 Operator : SY/SP
 Sample : K4525-02
 Misc : 5.81g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-A1-(0)

Quant Time: Sep 02 03:57:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	441577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	555491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	438427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	160580	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	174017	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	
35) Dibromofluoromethane	5.48	113	164272	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
50) Toluene-d8	8.71	98	611757	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.14	95	173540	31.07	ug/l	0.00
Spiked Amount			Recovery	=	62.14%	

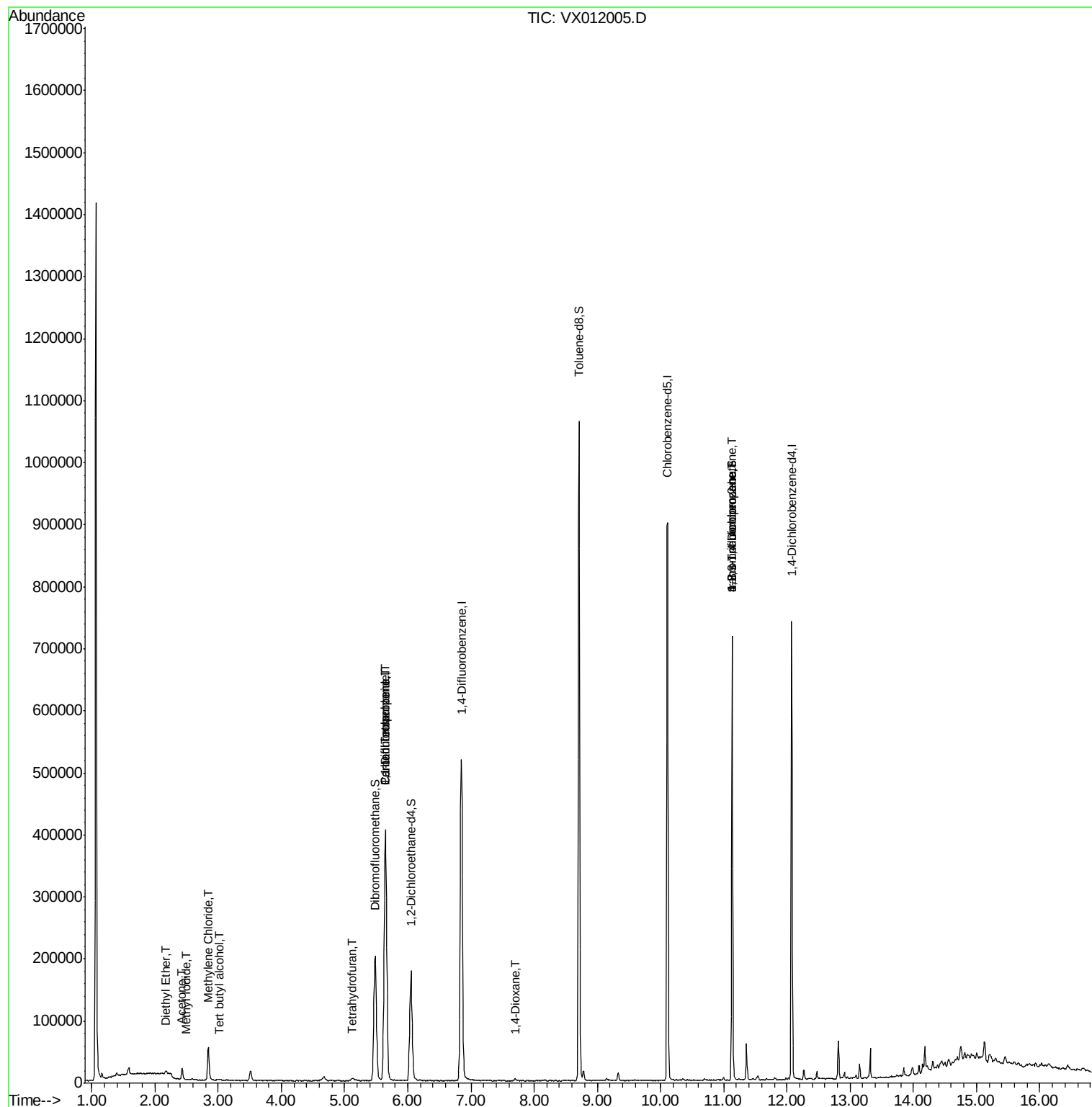
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2077	1.180	ug/l	99
10) Methyl Iodide	2.50	142	191	3.725	ug/l #	46
11) Tert butyl alcohol	3.02	59	3046	7.484	ug/l	95
16) Acetone	2.42	43	19189	21.080	ug/l	97
20) Methylene Chloride	2.84	84	26256	2.051	ug/l	93
29) Tetrahydrofuran	5.12	42	5339	6.452	ug/l	99
36) 1,1-Dichloropropene	5.65	75	25536	5.803	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36831	7.216	ug/l #	16
49) 1,4-Dioxane	7.69	88	209	5.914	ug/l #	36
76) 1,2,3-Trichloropropane	11.14	75	85499	54.126	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	85499	135.974	ug/l #	11

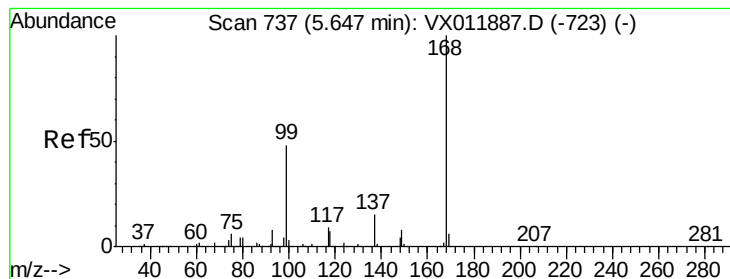
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012005.D
Acq On : 01 Sep 2019 21:15
Operator : SY/SP
Sample : K4525-02
Misc : 5.81g/5.0mL/MSVOA_X/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-A1-(0)

Quant Time: Sep 02 03:57:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 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: VX012005.D

Acq: 01 Sep 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

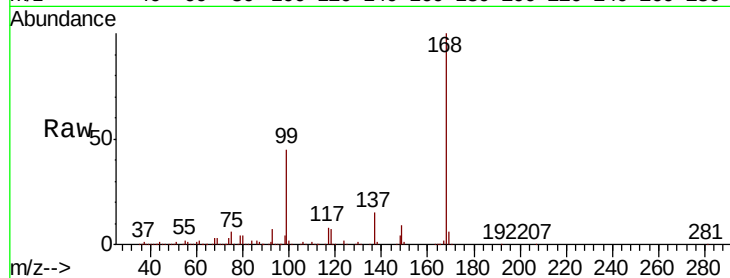
T9-12-13-A1-(0)

Tgt Ion:168 Resp: 441577

Ion Ratio Lower Upper

168 100

99 45.1 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

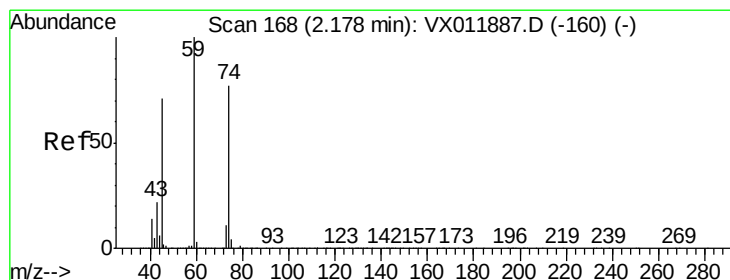
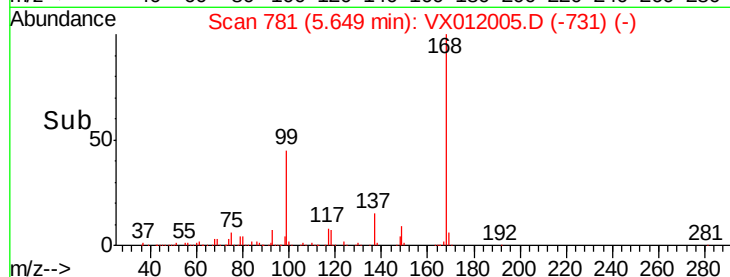
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.180 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX012005.D

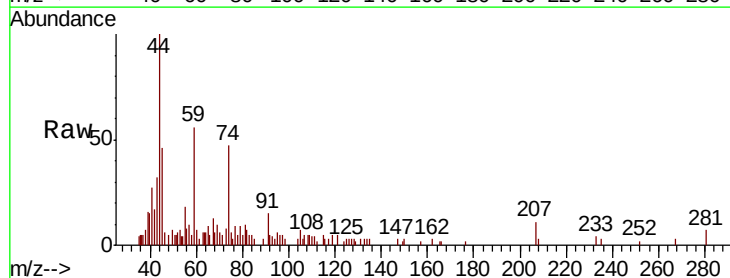
Acq: 01 Sep 2019 21:15

Tgt Ion: 74 Resp: 2077

Ion Ratio Lower Upper

74 100

45 92.8 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

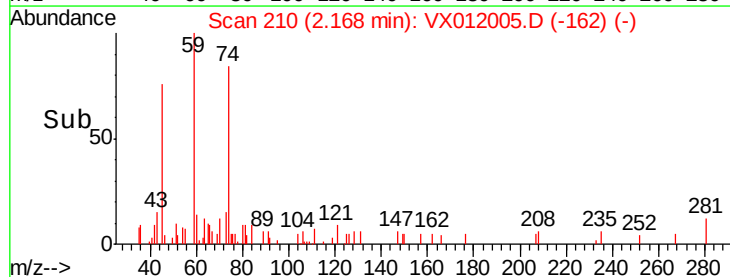
2.17

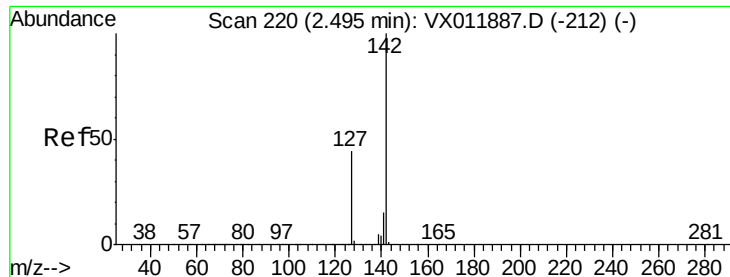
1000

500

0

Time-->

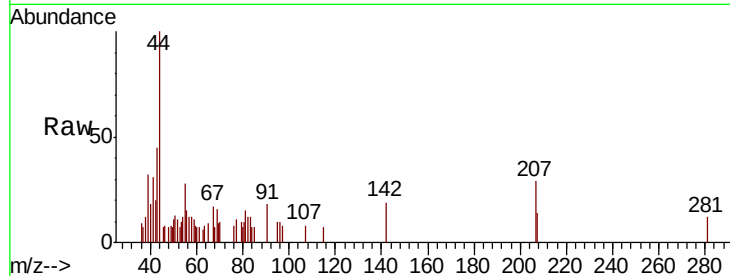




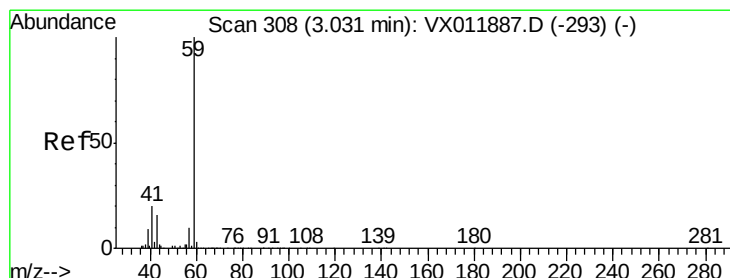
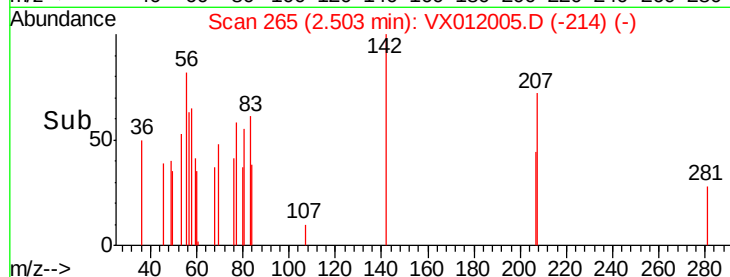
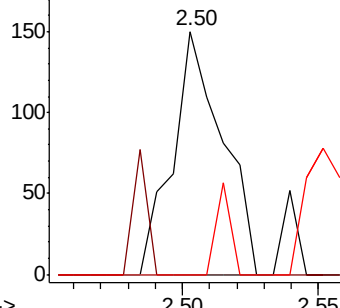
#10
Methyl Iodide
Concen: 3.725 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012005.D
Acq: 01 Sep 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-A1-(0)

Tgt Ion: 142 Resp: 191
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 11.0 11.8 17.6#

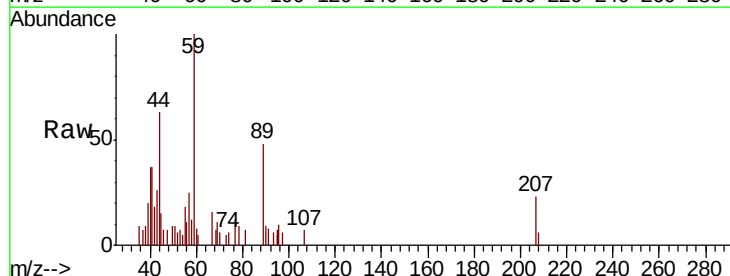


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

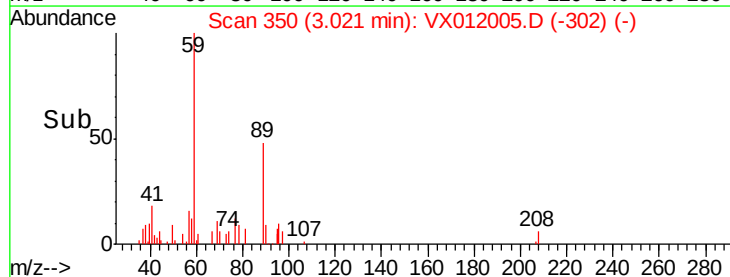
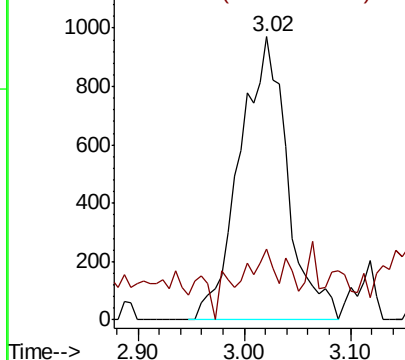


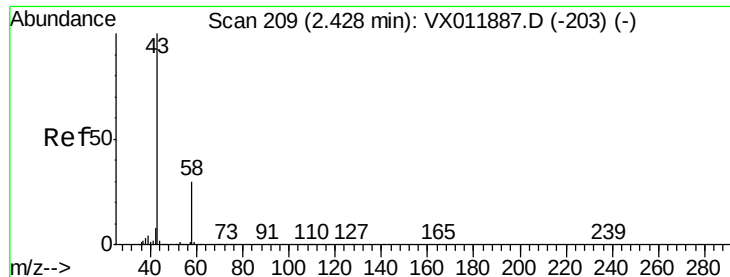
#11
Tert butyl alcohol
Concen: 7.484 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012005.D
Acq: 01 Sep 2019 21:15

Tgt Ion: 59 Resp: 3046
Ion Ratio Lower Upper
59 100
57 12.7 8.6 12.8



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





#16

Acetone

Concen: 21.080 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.00 min

Lab File: VX012005.D

Acq: 01 Sep 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

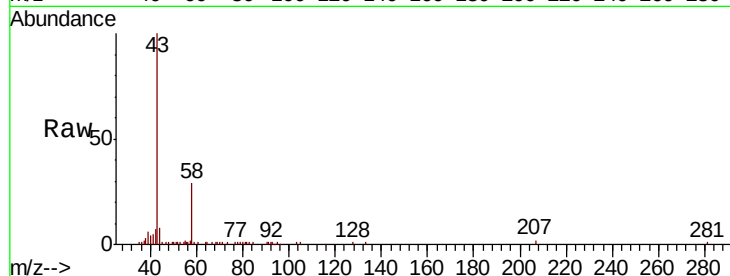
T9-12-13-A1-(0)

Tgt Ion: 43 Resp: 19189

Ion Ratio Lower Upper

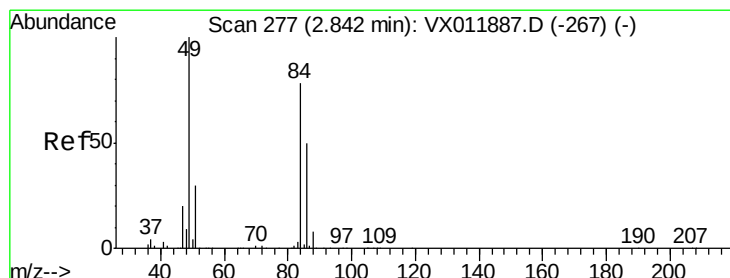
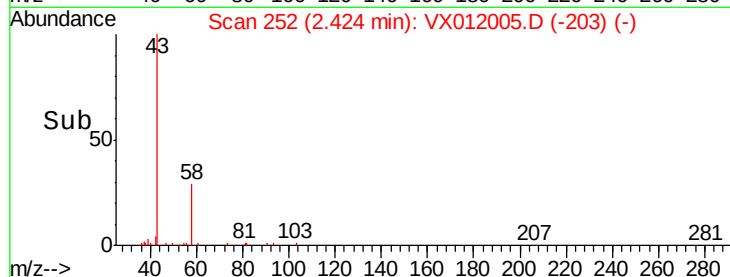
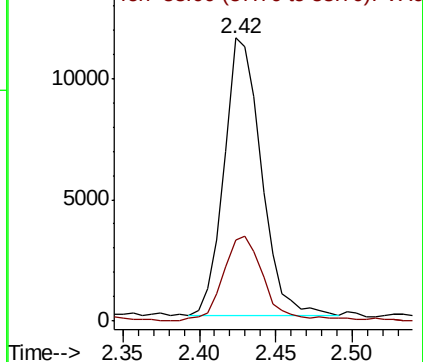
43 100

58 28.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 2.051 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012005.D

Acq: 01 Sep 2019 21:15

Tgt Ion: 84 Resp: 26256

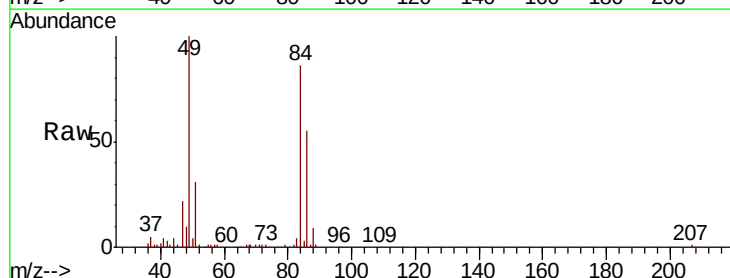
Ion Ratio Lower Upper

84 100

49 116.0 103.0 154.4

51 35.9 30.8 46.2

86 63.5 51.3 76.9

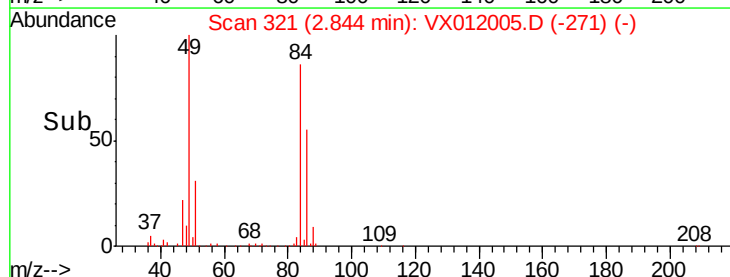
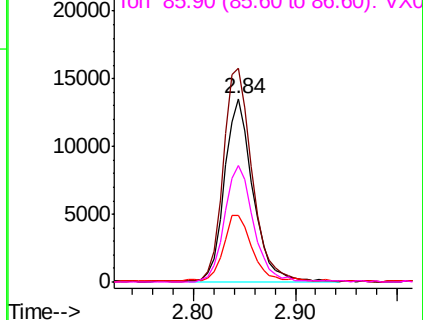


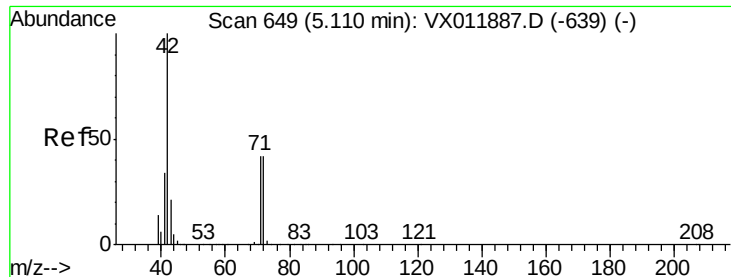
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

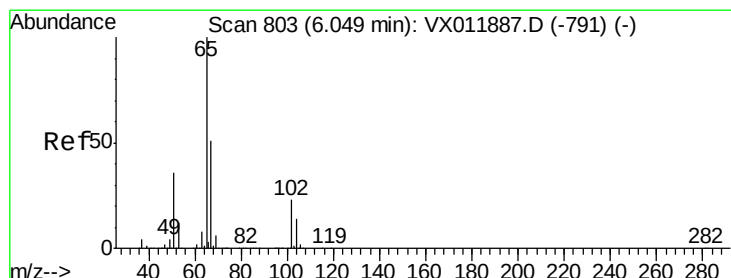
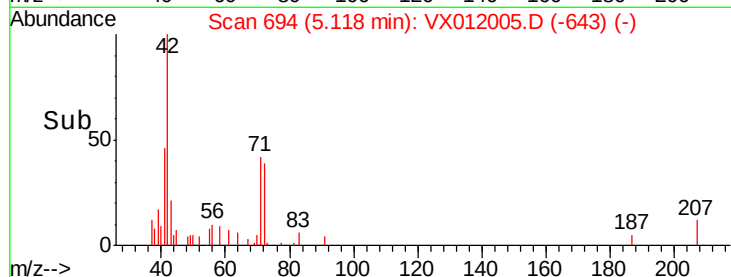
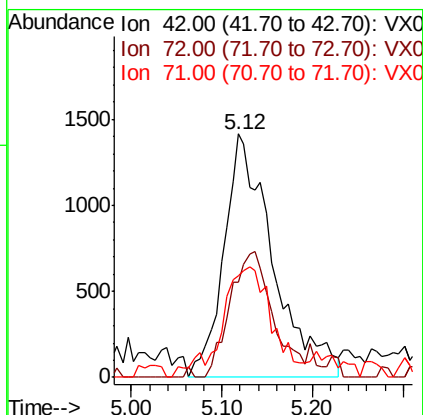
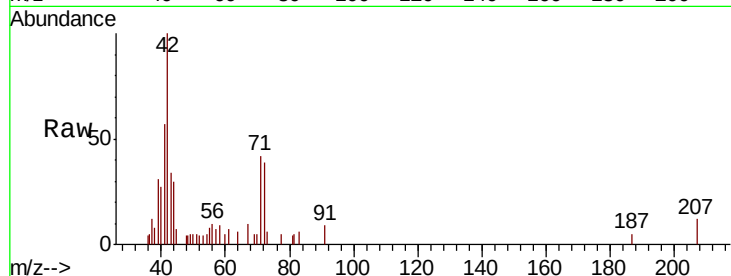




#29
Tetrahydrofuran
Concen: 6.452 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012005.D
Acq: 01 Sep 2019 21:15

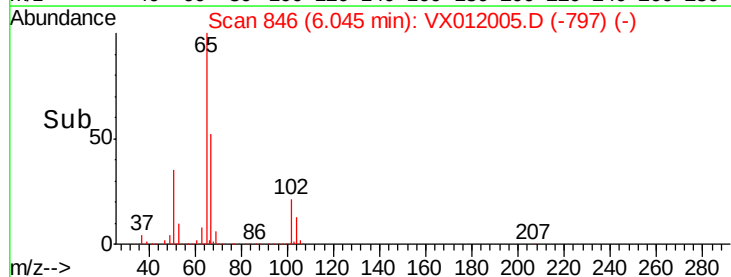
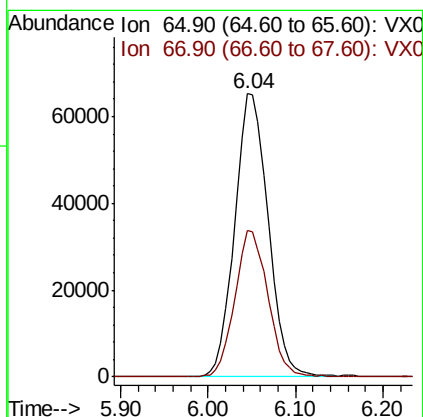
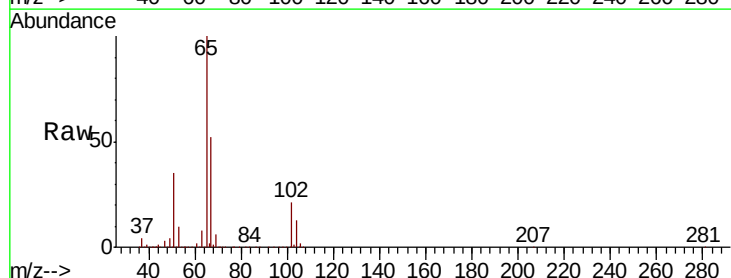
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-A1-(0)

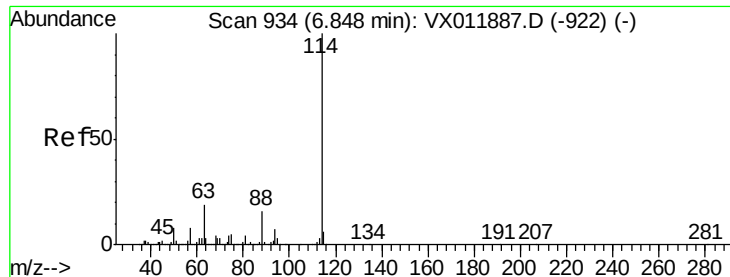
Tgt Ion: 42 Resp: 5339
Ion Ratio Lower Upper
42 100
72 44.9 36.2 54.4
71 42.3 33.1 49.7



#33
1,2-Dichloroethane-d4
Concen: 41.132 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.00 min
Lab File: VX012005.D
Acq: 01 Sep 2019 21:15

Tgt Ion: 65 Resp: 174017
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012005.D

Acq: 01 Sep 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-A1-(0)

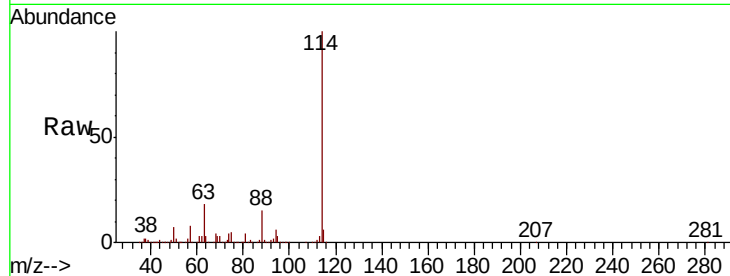
Tgt Ion:114 Resp: 555491

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

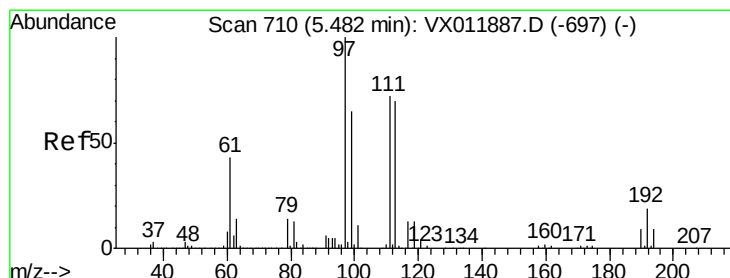
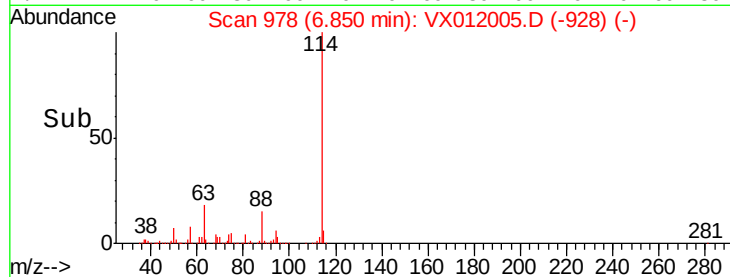
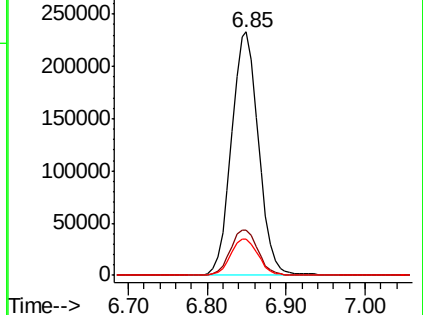
88 14.8 0.0 31.2



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: 46.117 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012005.D

Acq: 01 Sep 2019 21:15

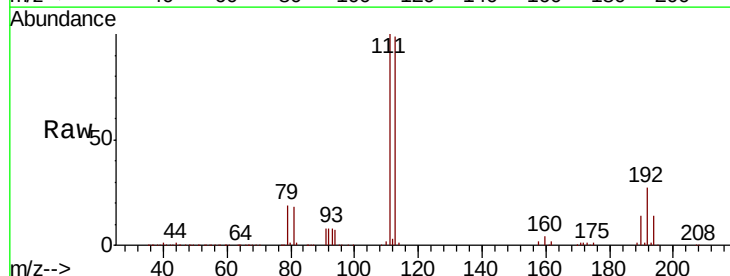
Tgt Ion:113 Resp: 164272

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

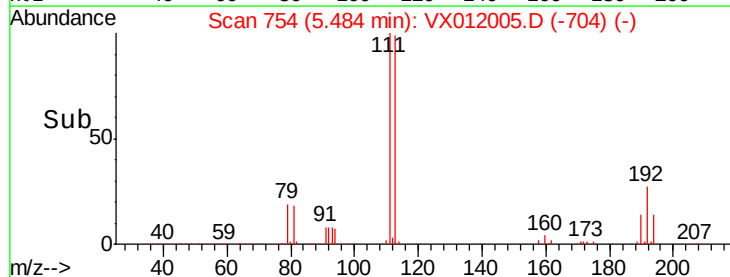
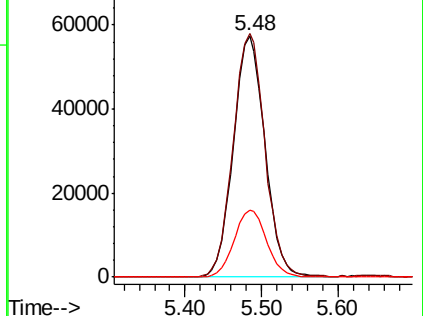
192 28.5 21.5 32.3

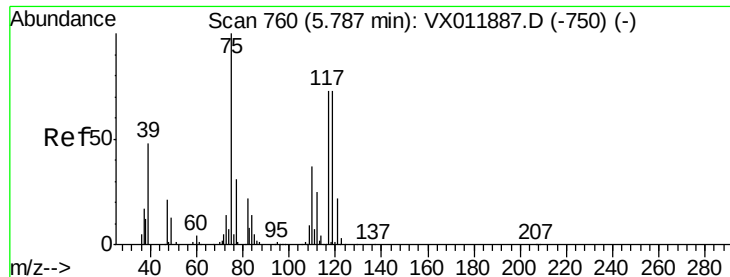


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

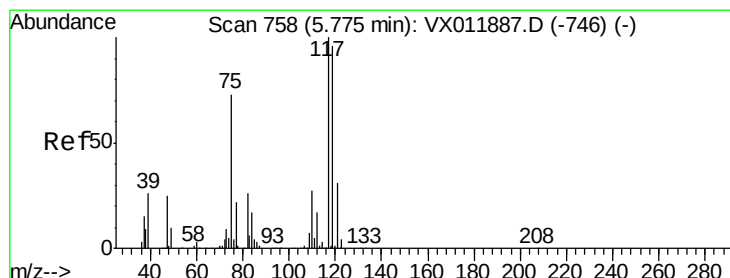
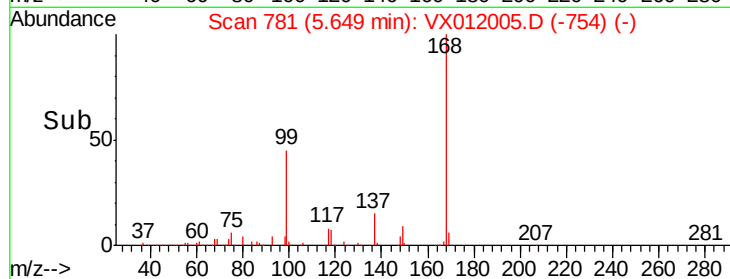
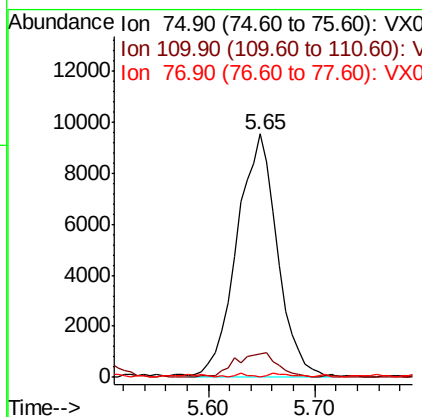
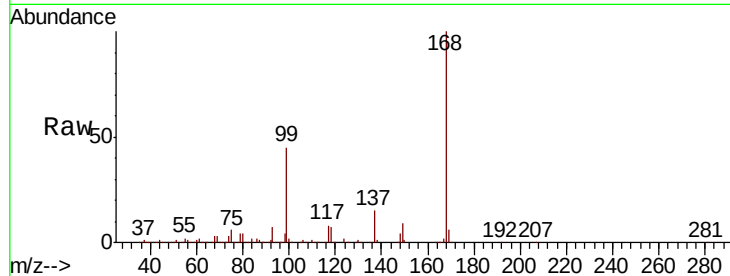




#36
 1,1-Dichloropropene
 Concen: 5.803 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012005.D
 Acq: 01 Sep 2019 21:15

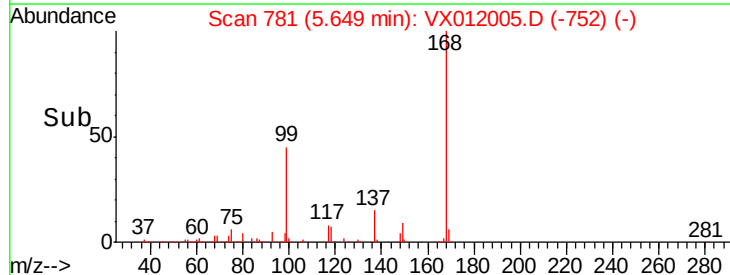
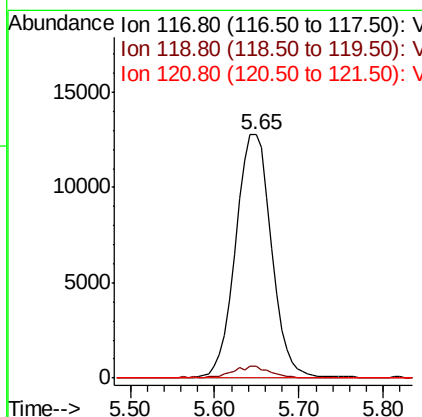
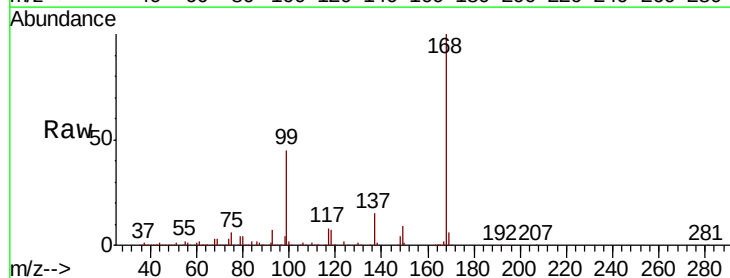
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-A1-(0)

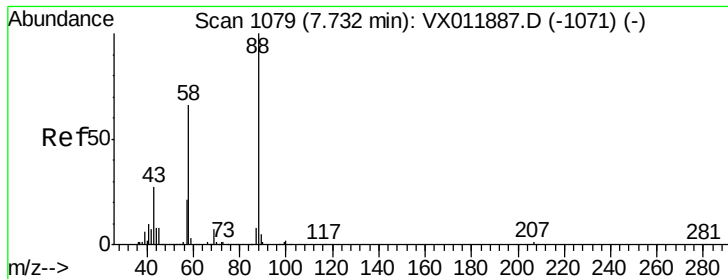
Tgt Ion: 75 Resp: 25536
 Ion Ratio Lower Upper
 75 100
 110 10.7 19.1 57.3#
 77 1.1 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.216 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012005.D
 Acq: 01 Sep 2019 21:15

Tgt Ion: 117 Resp: 36831
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.6 114.8#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 5.914 ug/l

RT: 7.69 min Scan# 1116

Delta R.T. -0.04 min

Lab File: VX012005.D

Acq: 01 Sep 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-A1-(0)

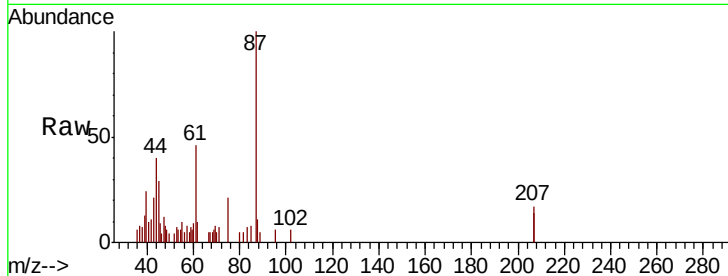
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

43 48.8 27.3 40.9#

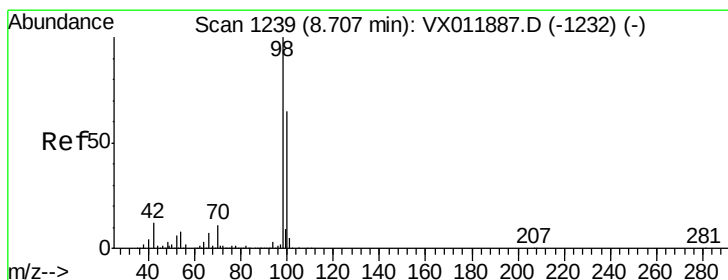
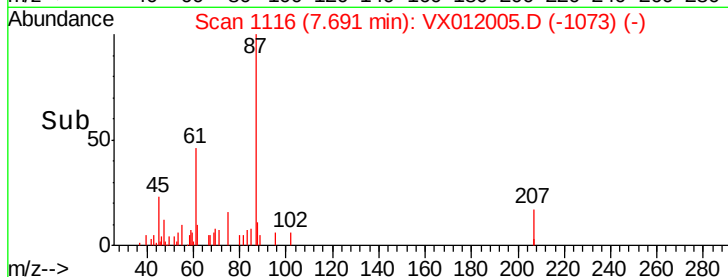
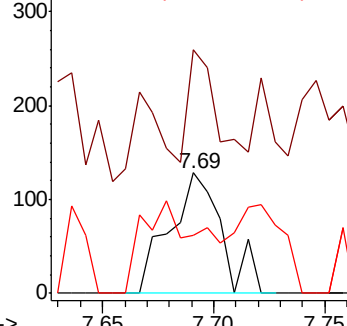
58 0.0 53.9 80.9#



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: 48.044 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012005.D

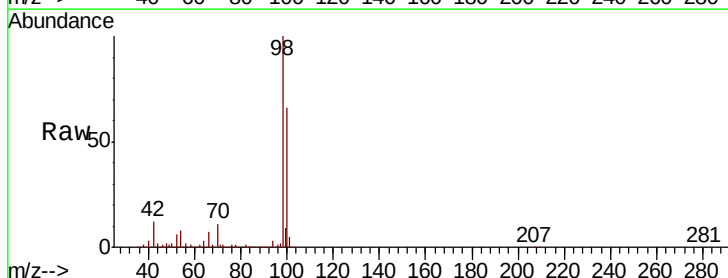
Acq: 01 Sep 2019 21:15

Tgt Ion: 98 Resp: 611757

Ion Ratio Lower Upper

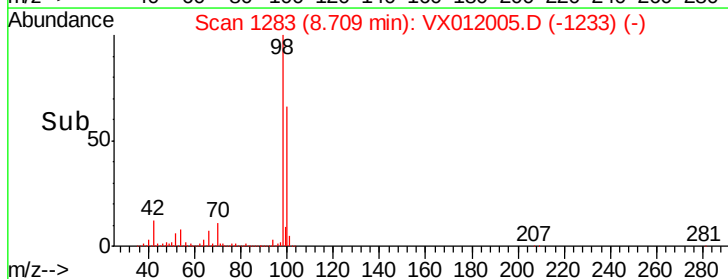
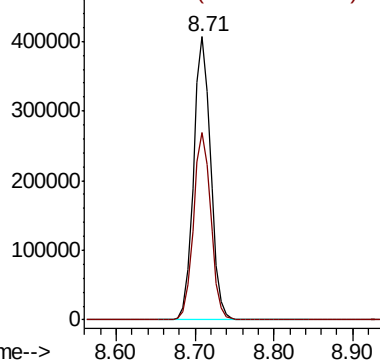
98 100

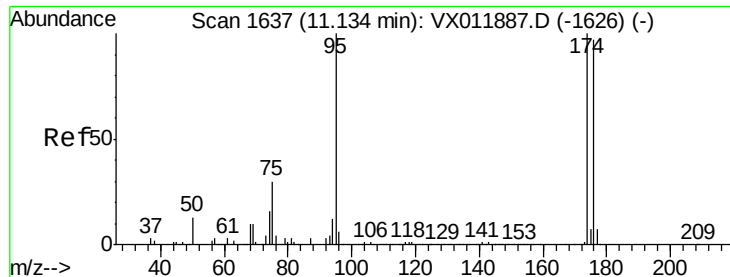
100 67.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 31.069 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012005.D

Acq: 01 Sep 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-A1-(0)

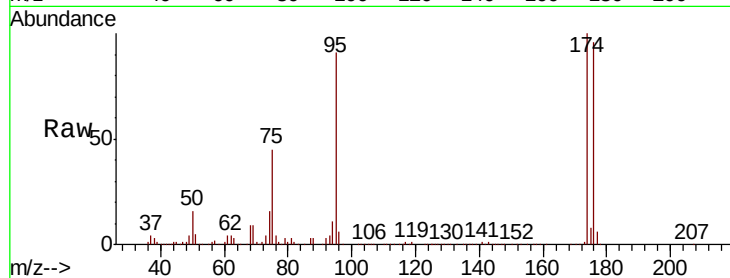
Tgt Ion: 95 Resp: 173540

Ion Ratio Lower Upper

95 100

174 102.7 0.0 196.0

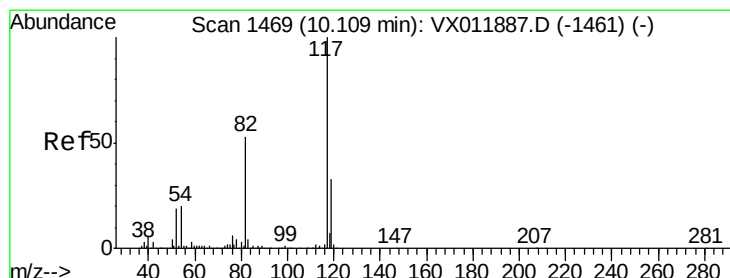
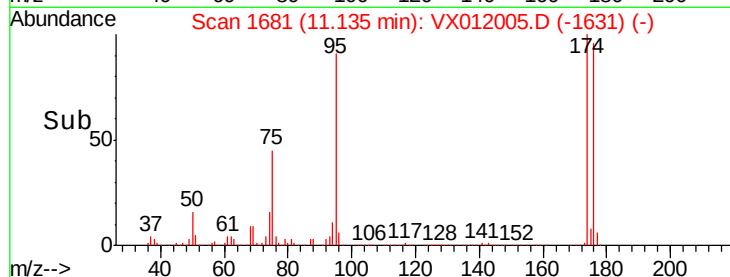
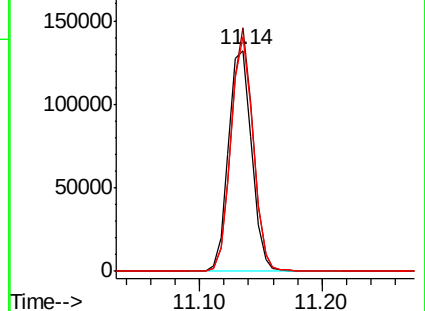
176 101.1 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012005.D

Acq: 01 Sep 2019 21:15

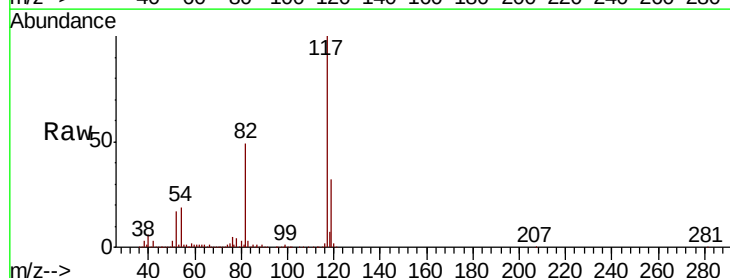
Tgt Ion: 117 Resp: 438427

Ion Ratio Lower Upper

117 100

82 48.5 42.0 63.0

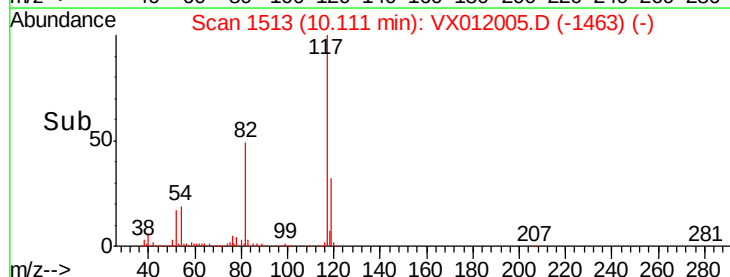
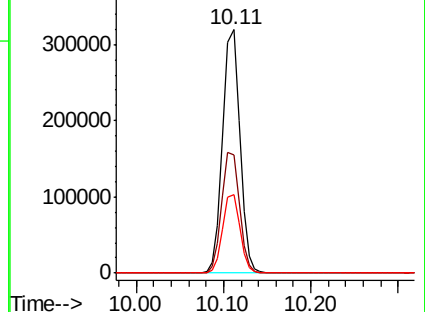
119 32.5 26.2 39.4

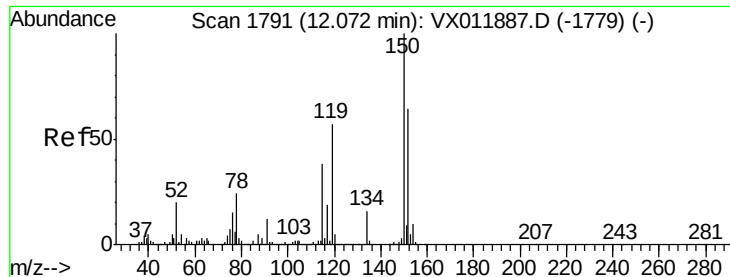


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)



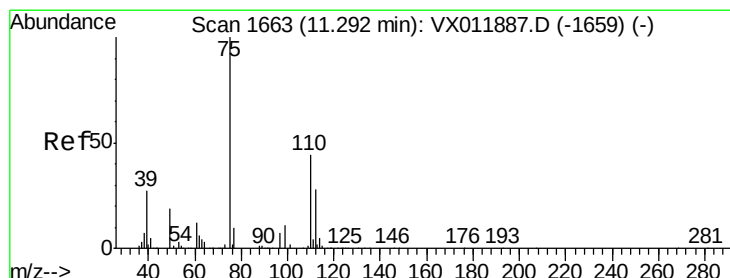
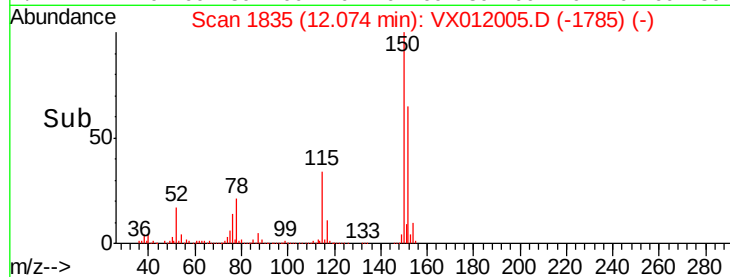
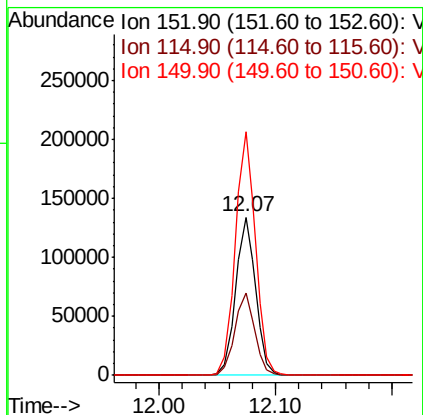
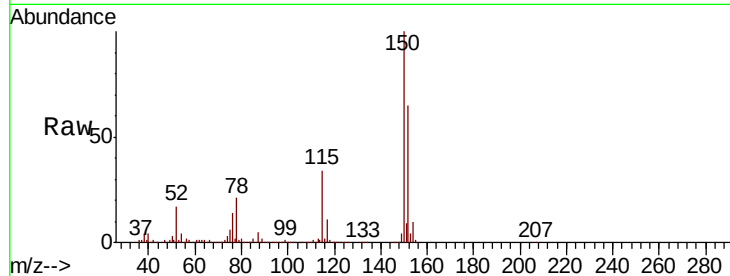


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012005.D
Acq: 01 Sep 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-A1-(0)

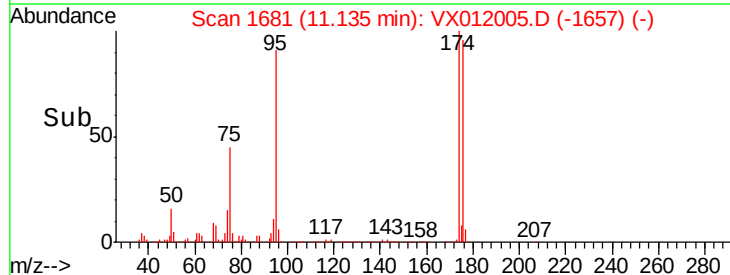
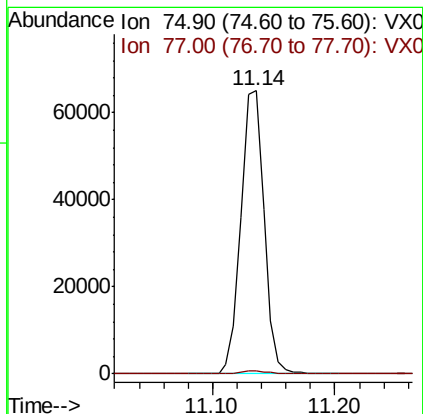
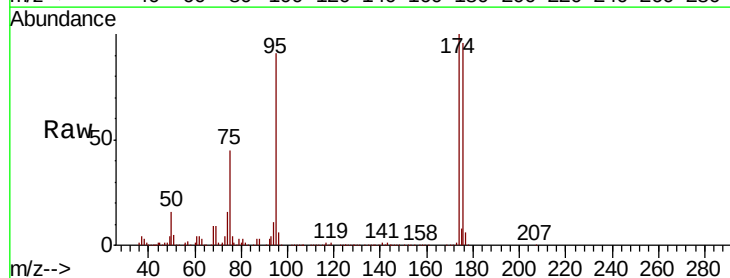
Tgt Ion: 152 Resp: 160580
Ion Ratio Lower Upper
152 100
115 52.1 37.1 111.3
150 154.9 0.0 339.6

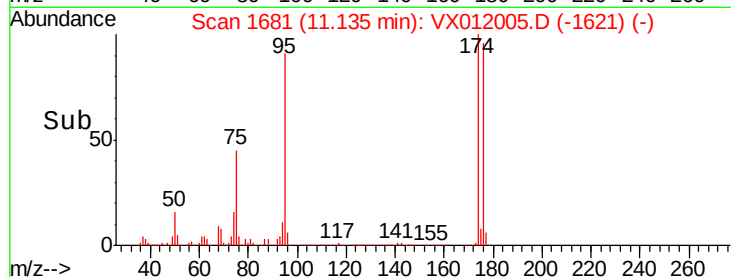
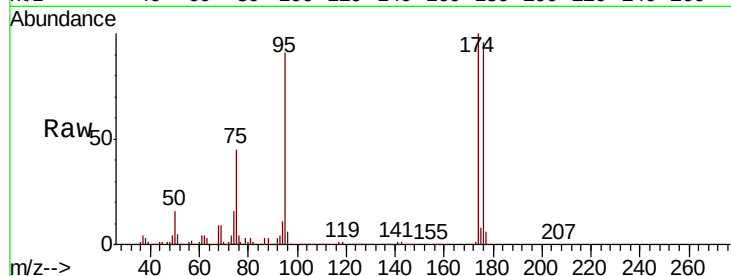
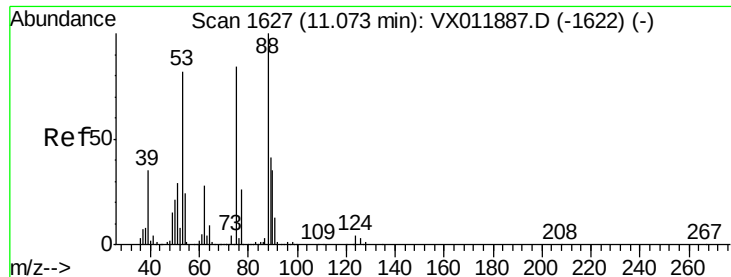


#76

1,2,3-Trichloropropane
Concen: 54.126 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX012005.D
Acq: 01 Sep 2019 21:15

Tgt Ion: 75 Resp: 85499
Ion Ratio Lower Upper
75 100
77 1.5 20.9 62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.974 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.06 min

Lab File: VX012005.D

Acq: 01 Sep 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-A1-(0)

Tgt Ion: 75 Resp: 85499

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.2 57.2#

