

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012287.D
 Acq On : 11 Sep 2019 06:52
 Operator : SY/SP
 Sample : K4680-18
 Misc : 5.21g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-4(0)

Quant Time: Sep 11 07:38:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	266811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	194839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	52064	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	107420	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	5.48	113	81842	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.71	98	305424	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.14	95	80848	29.07	ug/l	0.00
Spiked Amount			Recovery	=	58.14%	

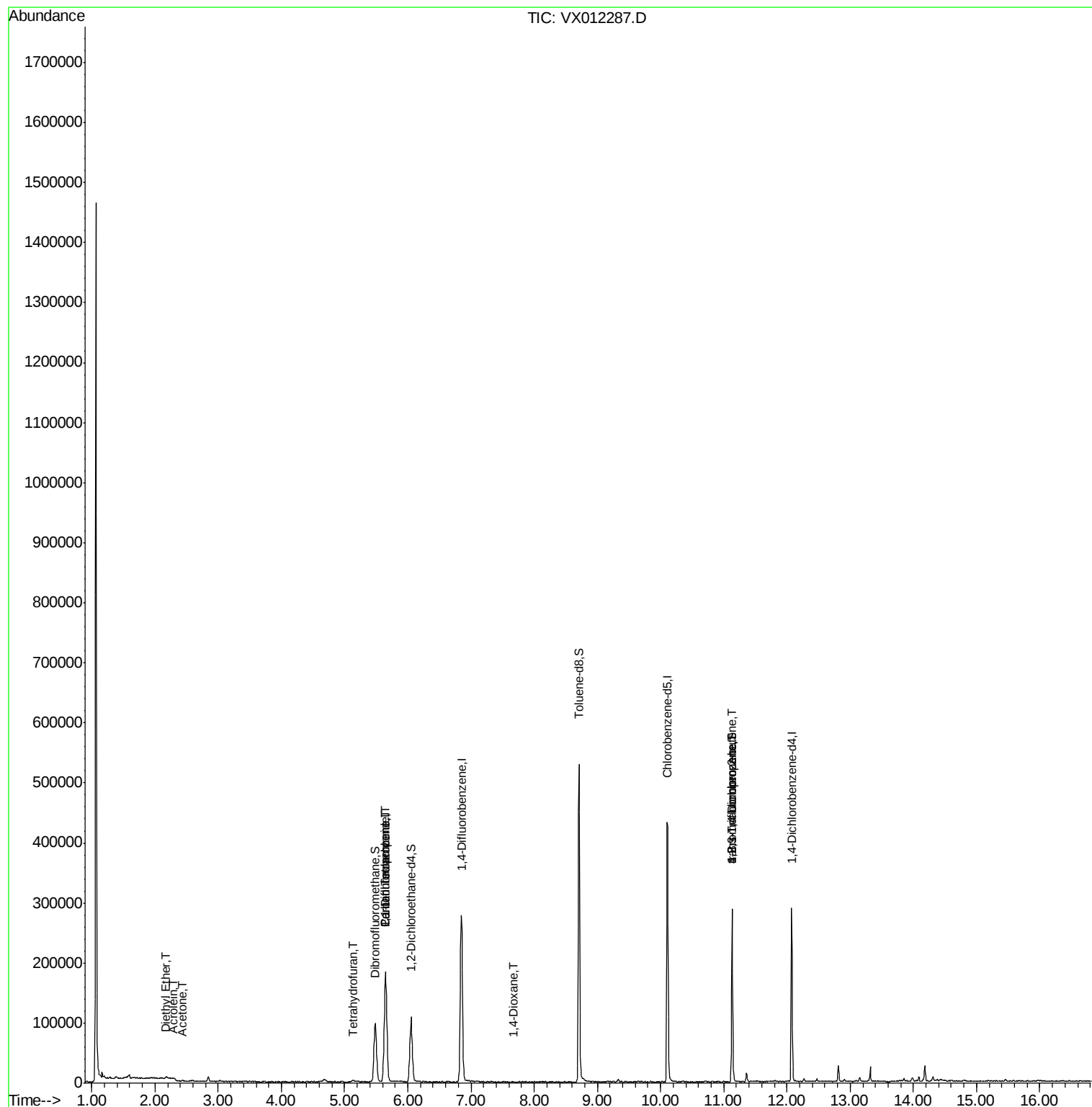
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	356	Below Cal	#	18
8) Diethyl Ether	2.17	74	1059	1.511	ug/l	79
13) Acrolein	2.29	56	411	3.582	ug/l #	12
16) Acetone	2.43	43	2241	4.312	ug/l #	87
20) Methylene Chloride	2.85	84	3364	Below Cal		89
29) Tetrahydrofuran	5.14	42	2207	6.157	ug/l #	76
36) 1,1-Dichloropropene	5.65	75	14572	7.490	ug/l #	52
38) Carbon Tetrachloride	5.65	117	17800	7.798	ug/l #	15
49) 1,4-Dioxane	7.67	88	55	3.358	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	44478	66.500	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	44478	199.250	ug/l #	5

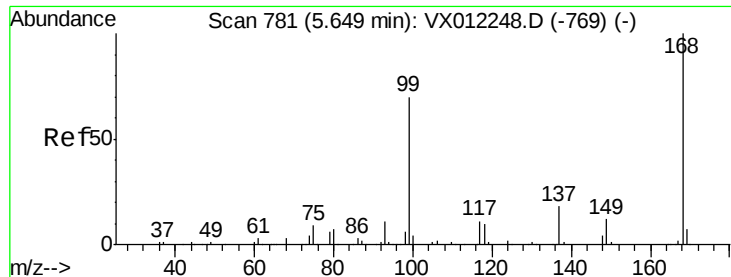
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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QLast Update : Tue Sep 10 12:55:26 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: VX012287.D

Acq: 11 Sep 2019 06:52

Instrument :

MSVOA_X

ClientSampleId :

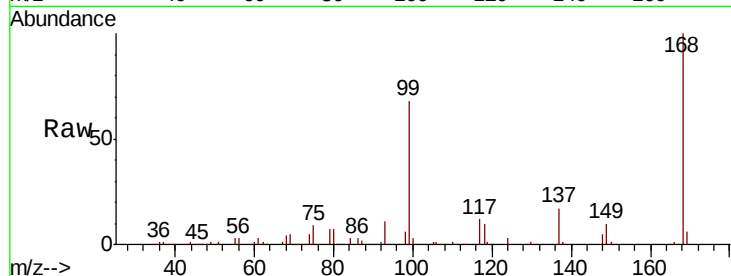
T3-4-(0)

Tgt Ion:168 Resp: 155267

Ion Ratio Lower Upper

168 100

99 67.6 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

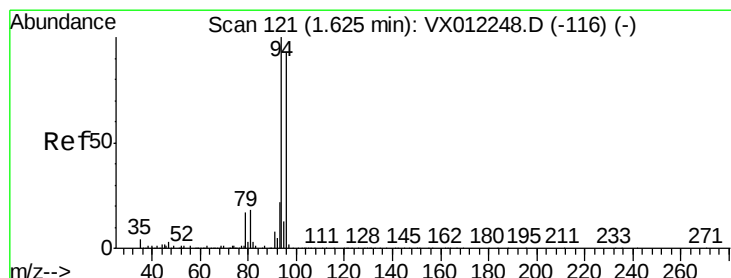
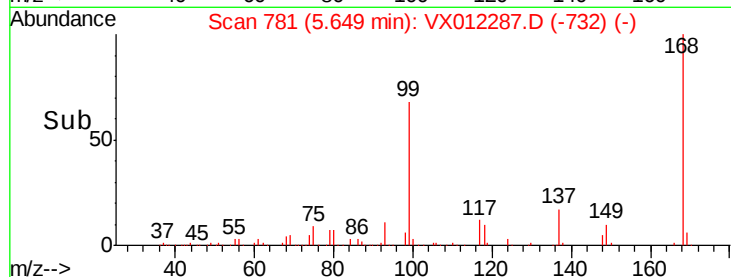
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012287.D

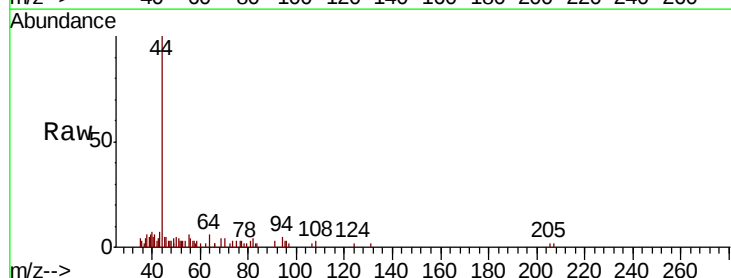
Acq: 11 Sep 2019 06:52

Tgt Ion: 94 Resp: 356

Ion Ratio Lower Upper

94 100

96 14.4 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

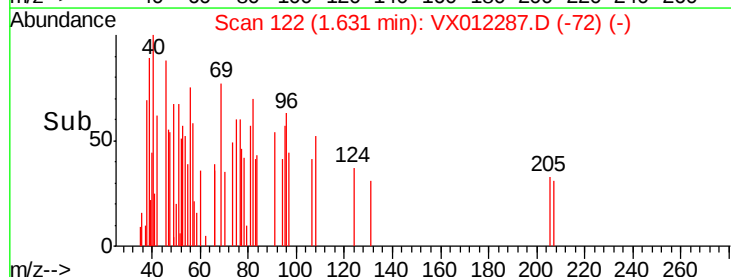
150

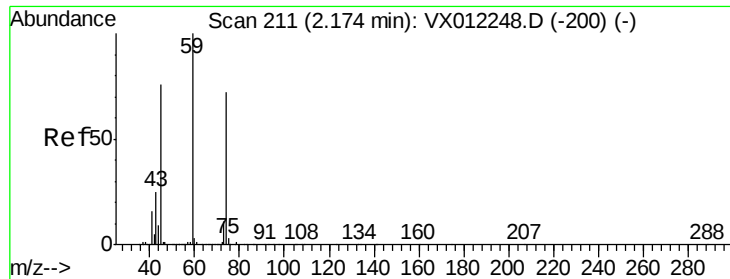
100

50

0

Time--> 1.60 1.65 1.70





#8

Diethyl Ether

Concen: 1.511 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012287.D

Acq: 11 Sep 2019 06:52

Instrument :

MSVOA_X

ClientSampleId :

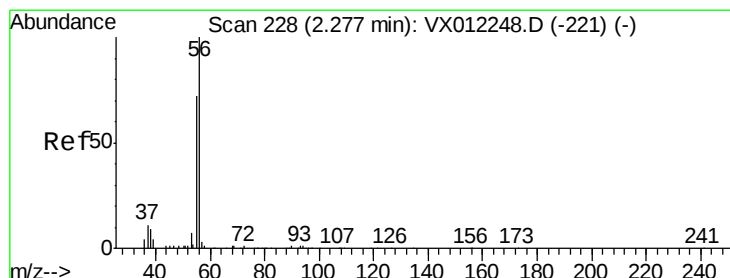
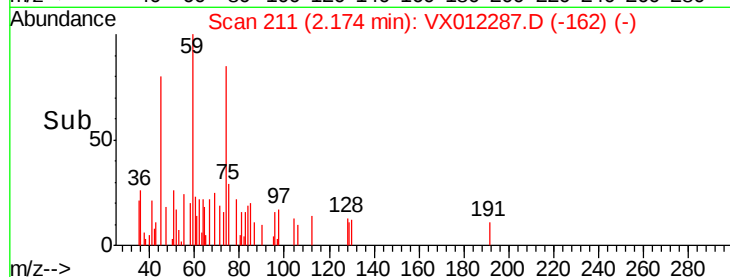
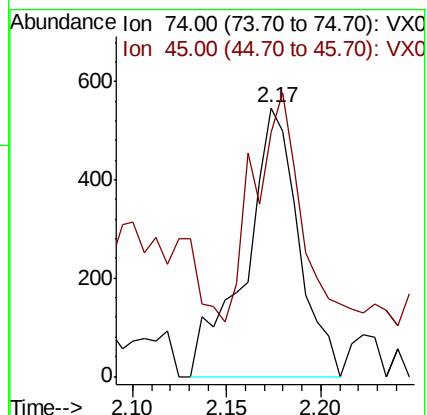
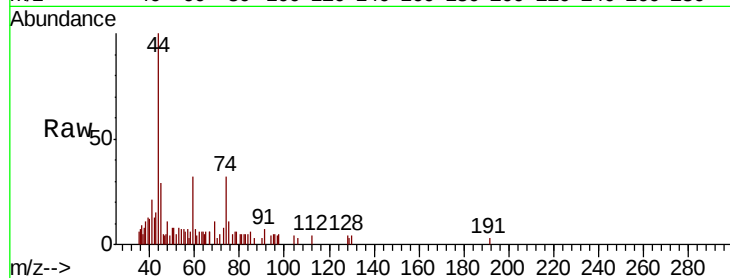
T3-4-(0)

Tgt Ion: 74 Resp: 1059

Ion Ratio Lower Upper

74 100

45 81.3 51.3 153.9



#13

Acrolein

Concen: 3.582 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012287.D

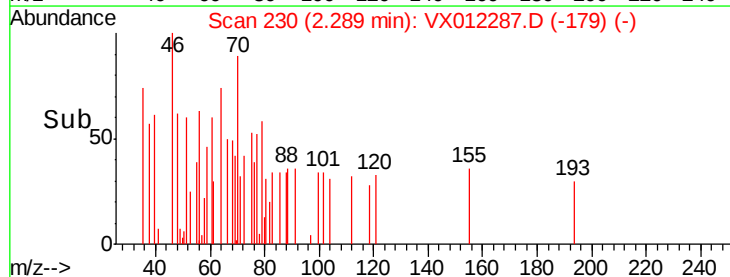
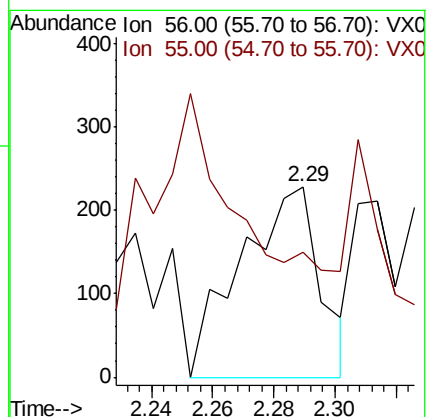
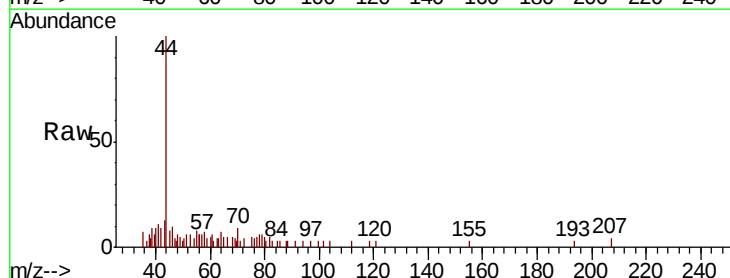
Acq: 11 Sep 2019 06:52

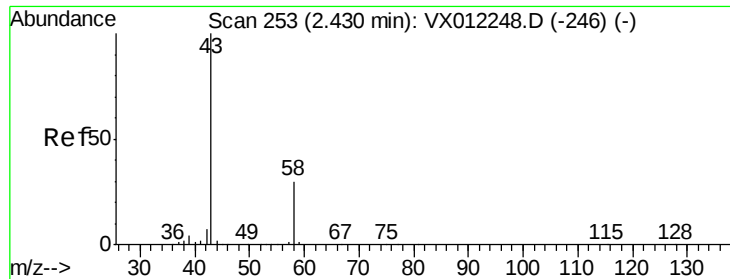
Tgt Ion: 56 Resp: 411

Ion Ratio Lower Upper

56 100

55 0.0 59.8 89.6#





#16

Acetone

Concen: 4.312 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012287.D

Acq: 11 Sep 2019 06:52

Instrument :

MSVOA_X

ClientSampled :

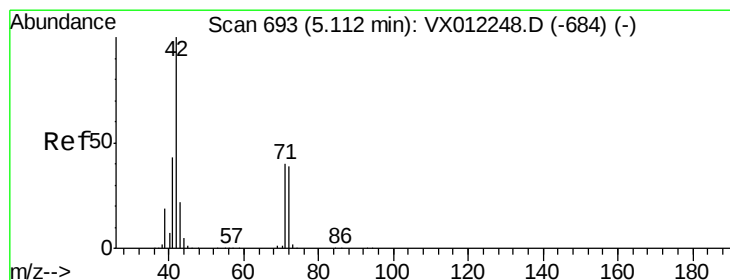
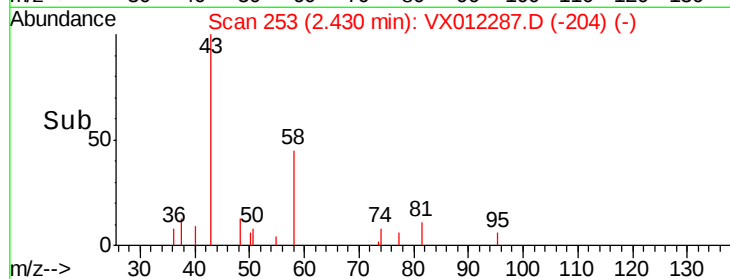
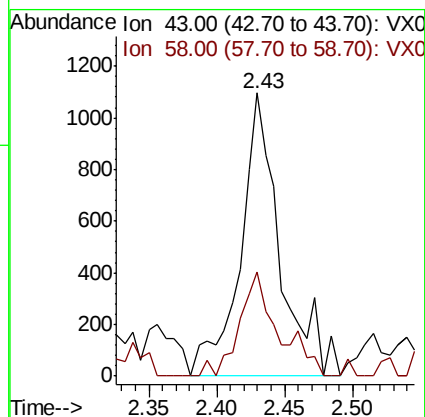
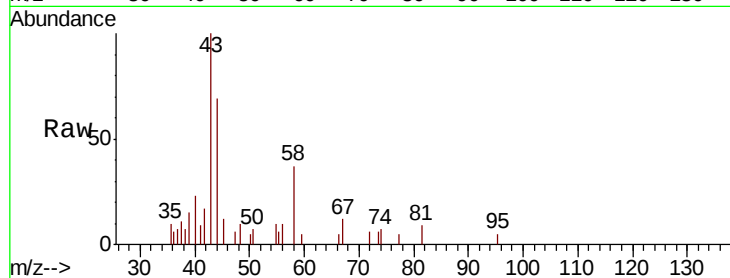
T3-4-(0)

Tgt Ion: 43 Resp: 2241

Ion Ratio Lower Upper

43 100

58 36.7 23.6 35.4#



#29

Tetrahydrofuran

Concen: 6.157 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012287.D

Acq: 11 Sep 2019 06:52

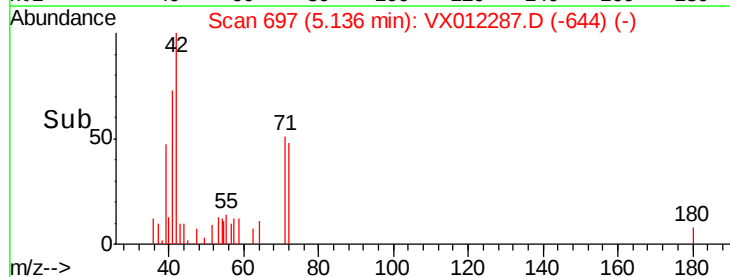
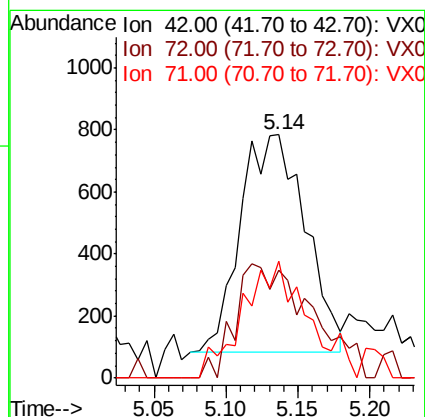
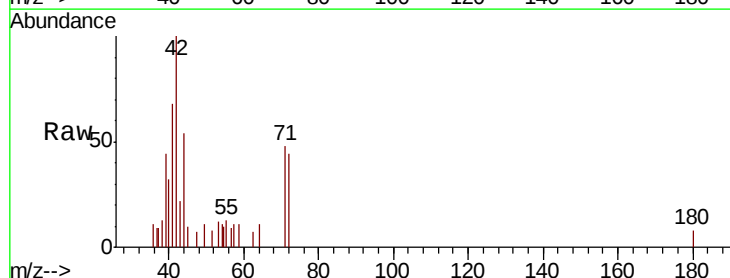
Tgt Ion: 42 Resp: 2207

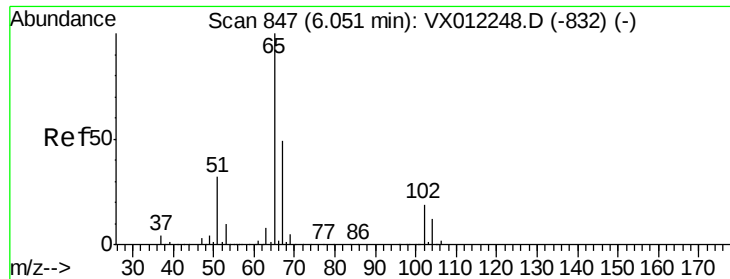
Ion Ratio Lower Upper

42 100

72 61.1 35.2 52.8#

71 53.4 32.5 48.7#





#33

1,2-Dichloroethane-d4

Concen: 48.935 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012287.D

Acq: 11 Sep 2019 06:52

Instrument :

MSVOA_X

ClientSampleId :

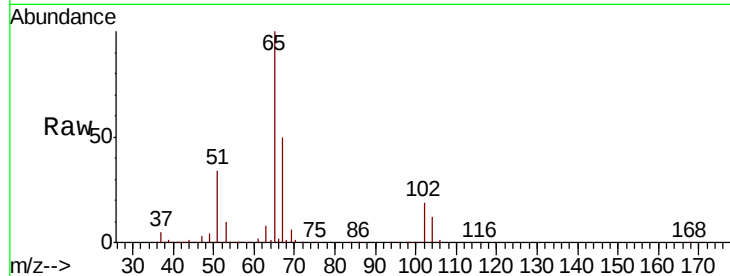
T3-4-(0)

Tgt Ion: 65 Resp: 107420

Ion Ratio Lower Upper

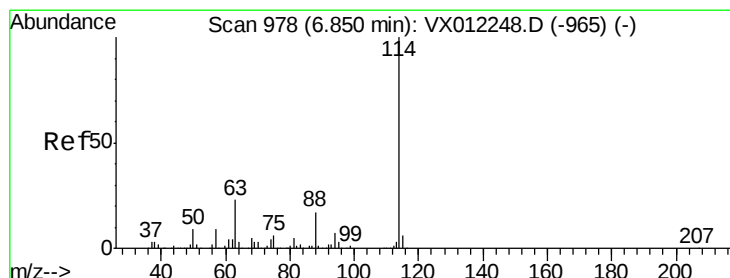
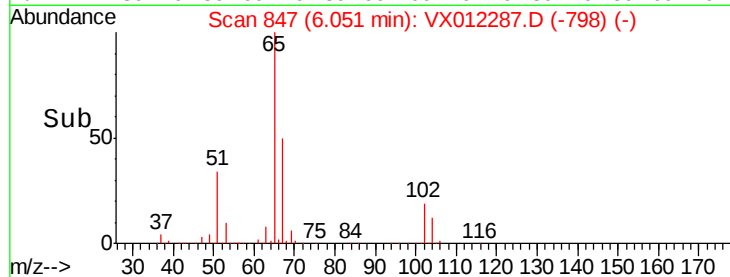
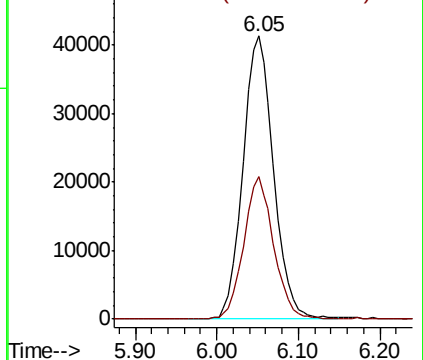
65 100

67 49.5 0.0 99.8



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: VX012287.D

Acq: 11 Sep 2019 06:52

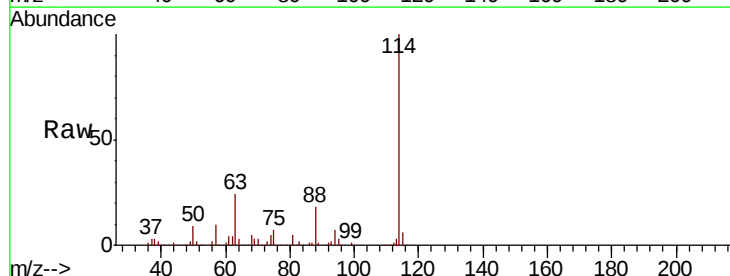
Tgt Ion: 114 Resp: 266811

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

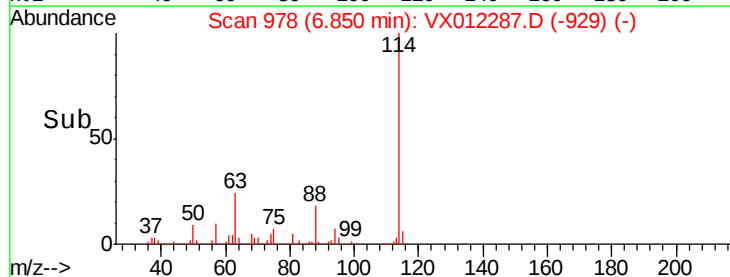
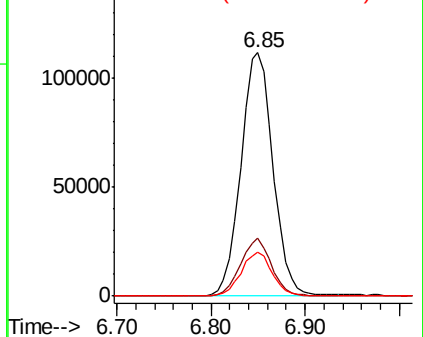
88 17.8 0.0 34.8

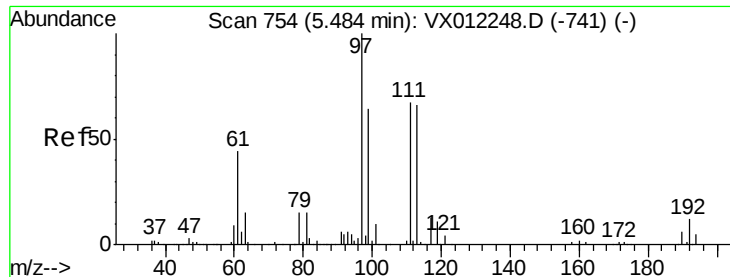


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.850 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012287.D

Acq: 11 Sep 2019 06:52

Instrument :

MSVOA_X

ClientSampleId :

T3-4-(0)

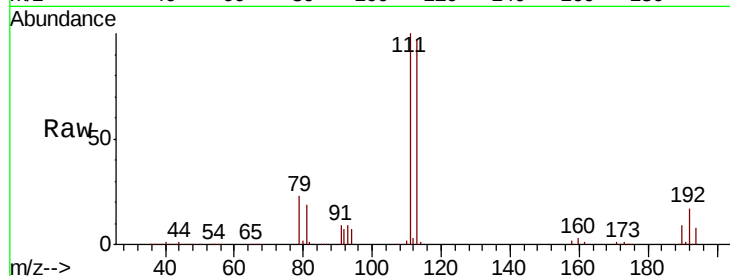
Tgt Ion:113 Resp: 81842

Ion Ratio Lower Upper

113 100

111 104.1 83.0 124.6

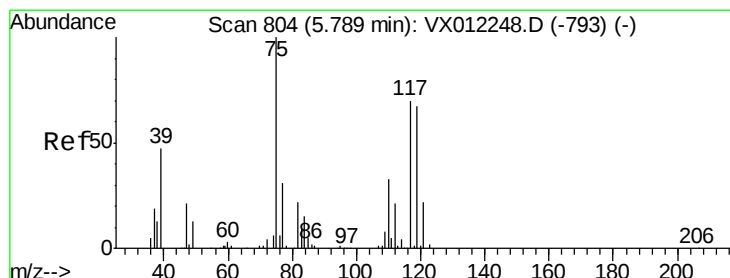
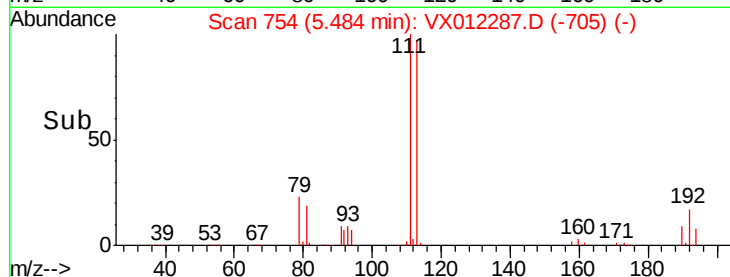
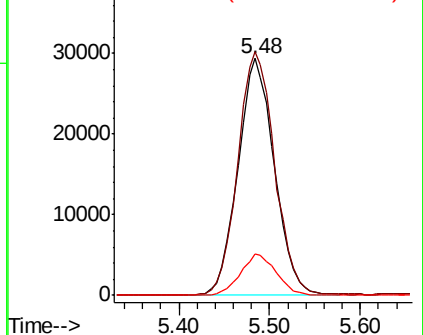
192 17.0 14.3 21.5



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: 7.490 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012287.D

Acq: 11 Sep 2019 06:52

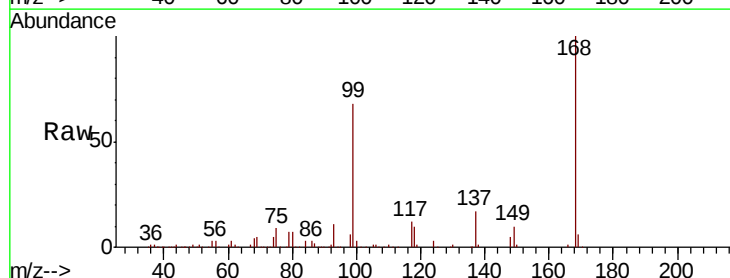
Tgt Ion: 75 Resp: 14572

Ion Ratio Lower Upper

75 100

110 10.3 16.8 50.4#

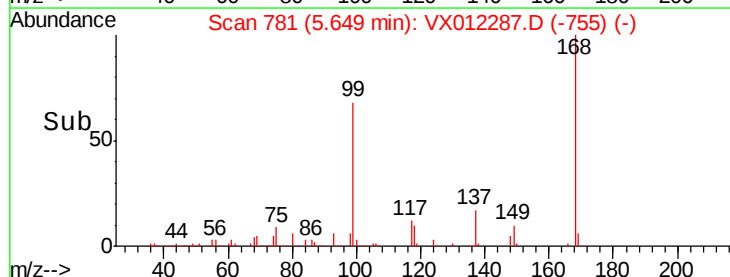
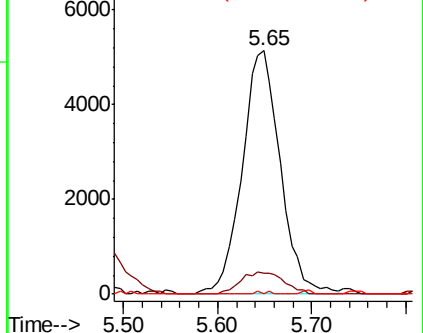
77 0.3 24.5 36.7#

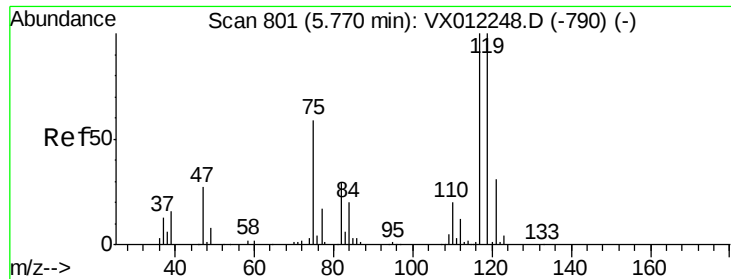


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

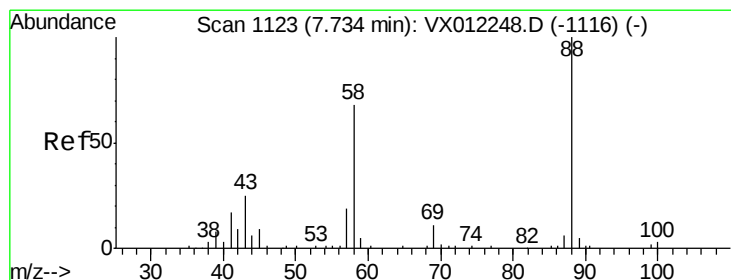
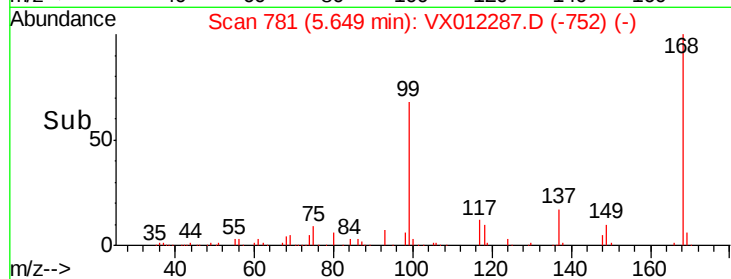
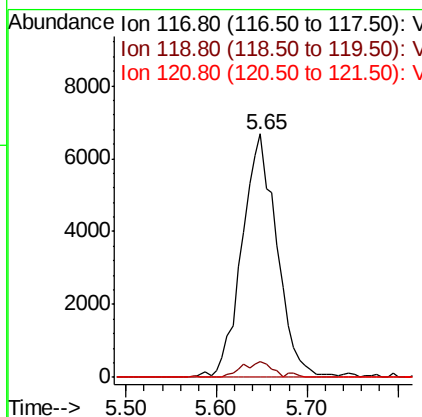
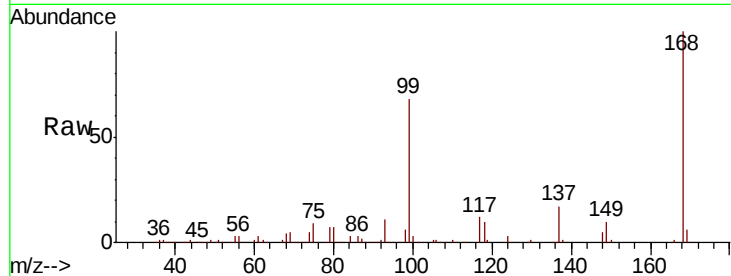




#38
 Carbon Tetrachloride
 Concen: 7.798 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012287.D
 Acq: 11 Sep 2019 06:52

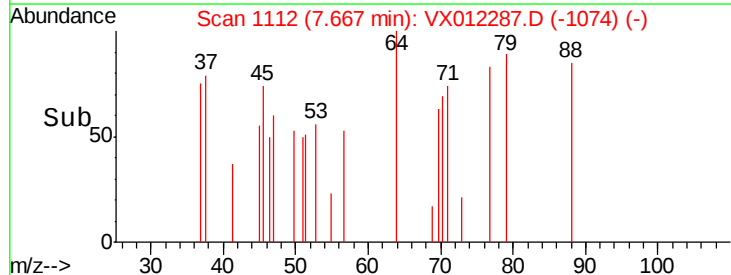
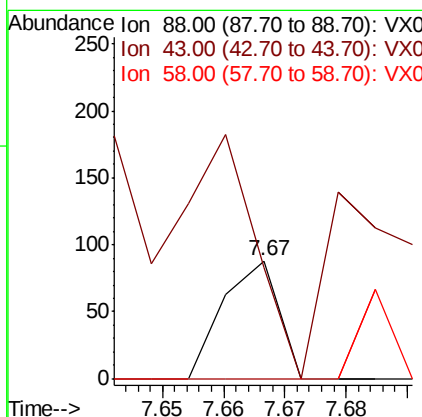
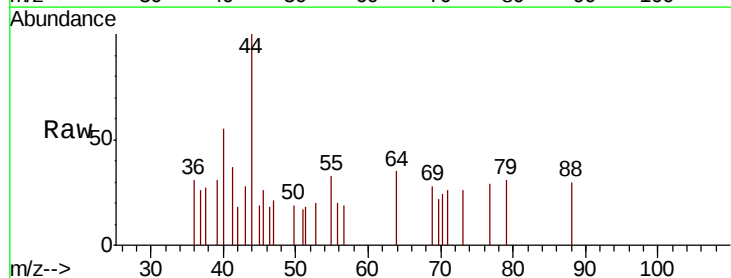
Instrument :
 MSVOA_X
 ClientSampled :
 T3-4-(0)

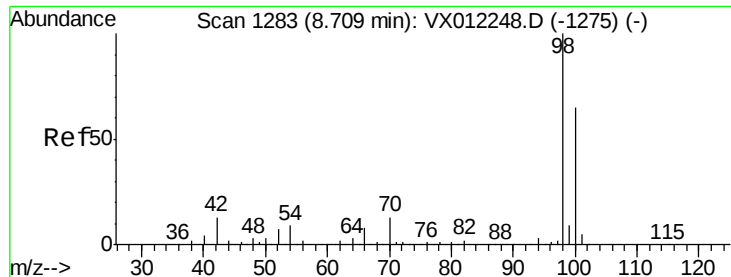
Tgt Ion: 117 Resp: 17800
 Ion Ratio Lower Upper
 117 100
 119 6.4 79.6 119.4#
 121 0.0 24.7 37.1#



#49
 1,4-Dioxane
 Concen: 3.358 ug/l
 RT: 7.67 min Scan# 1112
 Delta R.T. -0.07 min
 Lab File: VX012287.D
 Acq: 11 Sep 2019 06:52

Tgt Ion: 88 Resp: 55
 Ion Ratio Lower Upper
 88 100
 43 356.4 31.0 46.4#
 58 45.5 61.5 92.3#

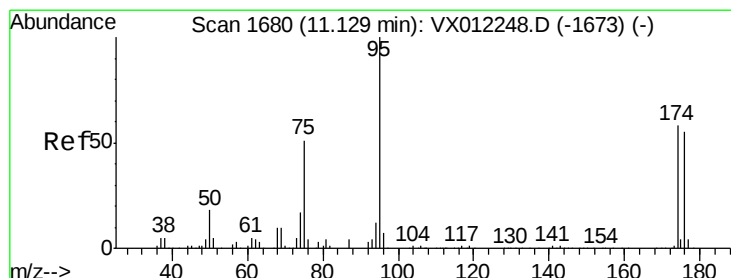
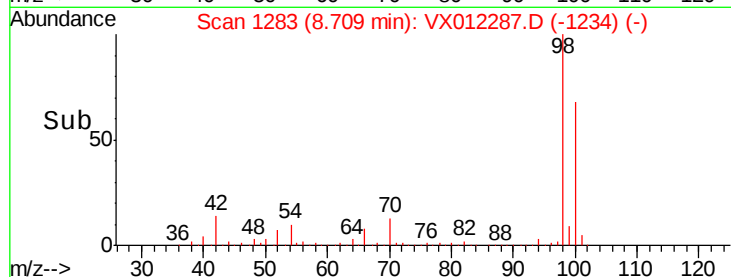
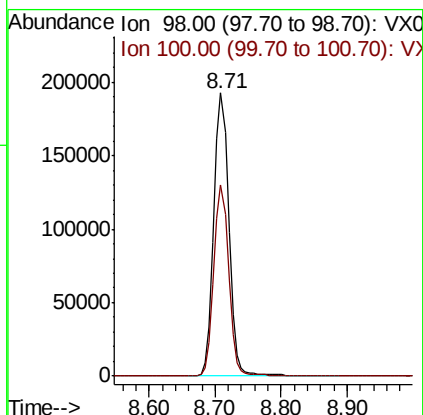
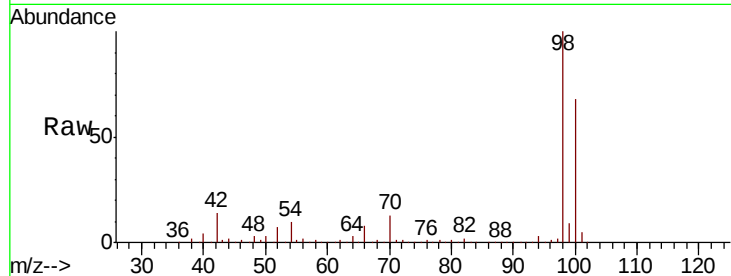




#50
Toluene-d8
Concen: 50.913 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012287.D
Acq: 11 Sep 2019 06:52

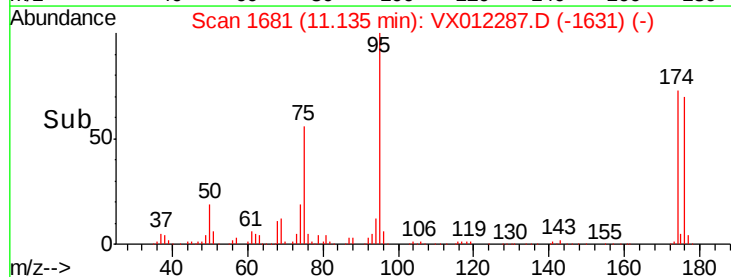
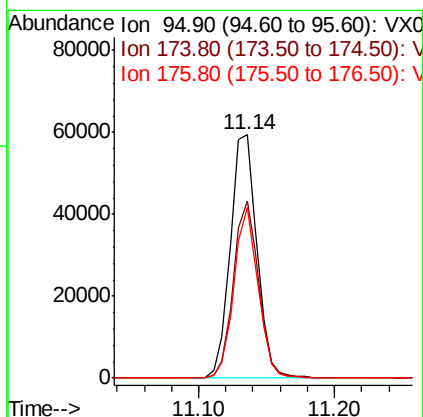
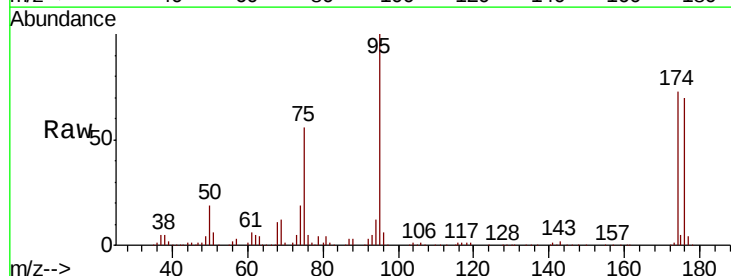
Instrument :
MSVOA_X
ClientSampleId :
T3-4-(0)

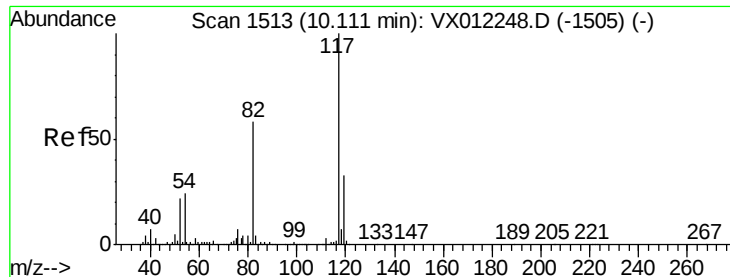
Tgt Ion: 98 Resp: 305424
Ion Ratio Lower Upper
98 100
100 66.7 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 29.071 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012287.D
Acq: 11 Sep 2019 06:52

Tgt Ion: 95 Resp: 80848
Ion Ratio Lower Upper
95 100
174 69.1 0.0 127.0
176 64.1 0.0 125.8

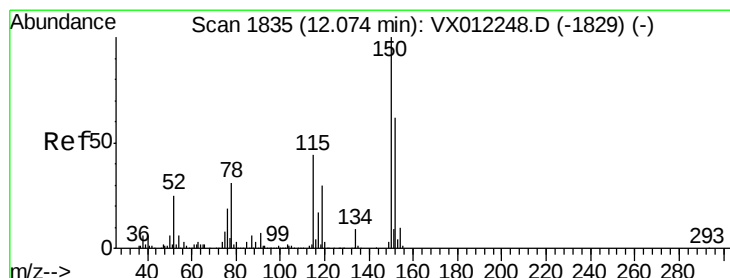
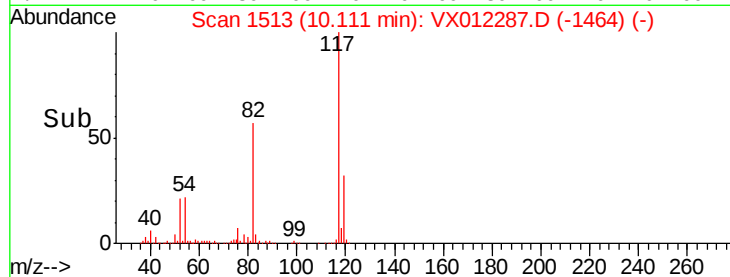
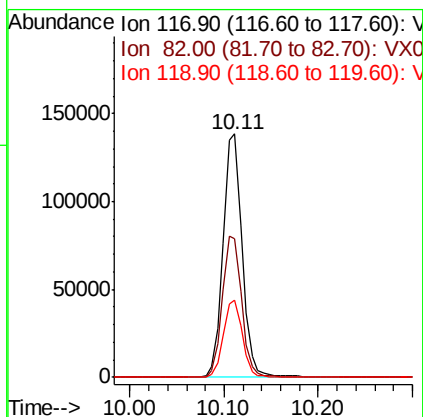
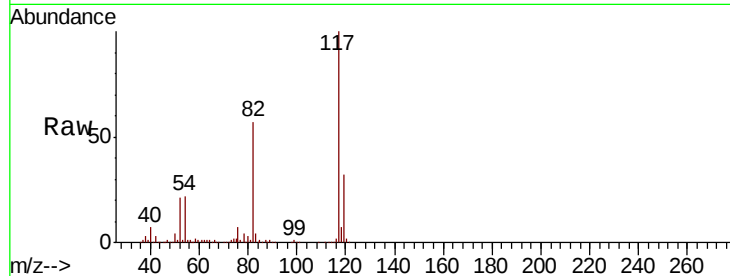




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012287.D
Acq: 11 Sep 2019 06:52

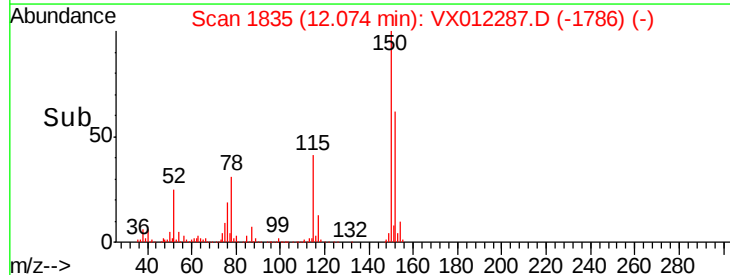
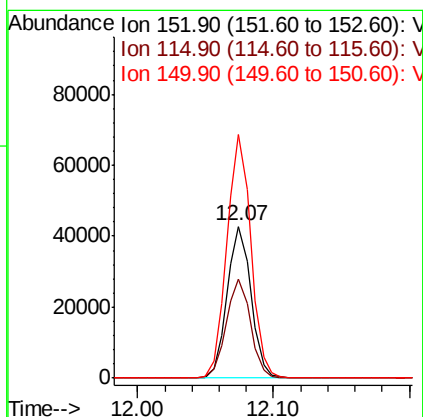
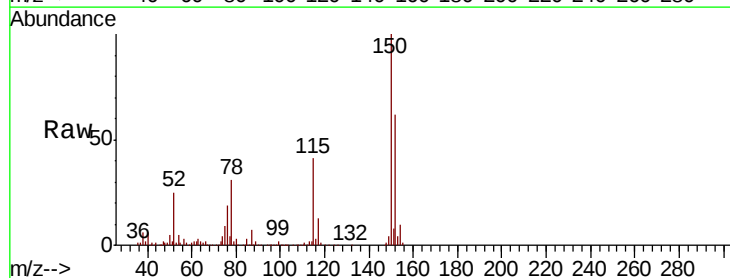
Instrument :
MSVOA_X
ClientSampleId :
T3-4-(0)

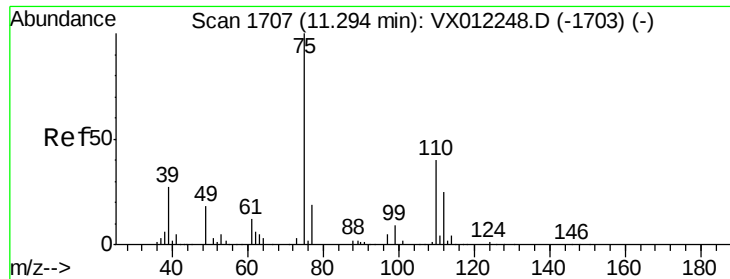
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.4	69.6
119	31.8	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012287.D
Acq: 11 Sep 2019 06:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.9	45.5	136.4
150	162.1	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 66.500 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012287.D

Acq: 11 Sep 2019 06:52

Instrument :

MSVOA_X

ClientSampleId :

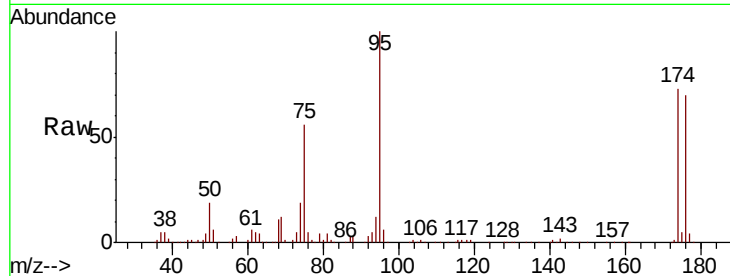
T3-4-(0)

Tgt Ion: 75 Resp: 44478

Ion Ratio Lower Upper

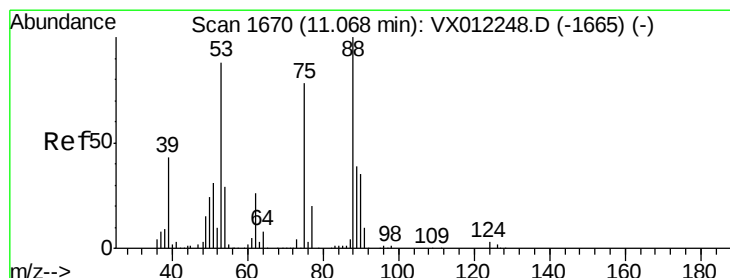
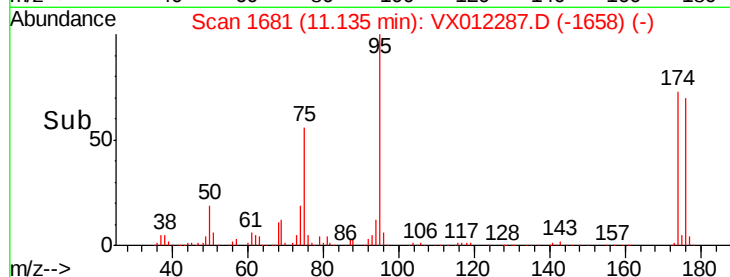
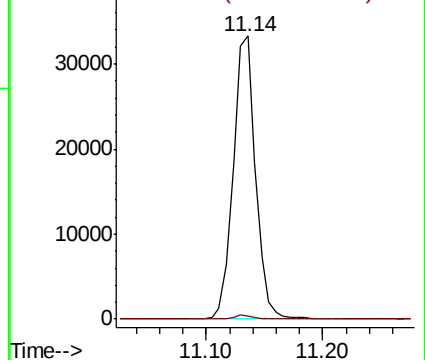
75 100

77 1.4 19.7 59.0#



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: 199.250 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012287.D

Acq: 11 Sep 2019 06:52

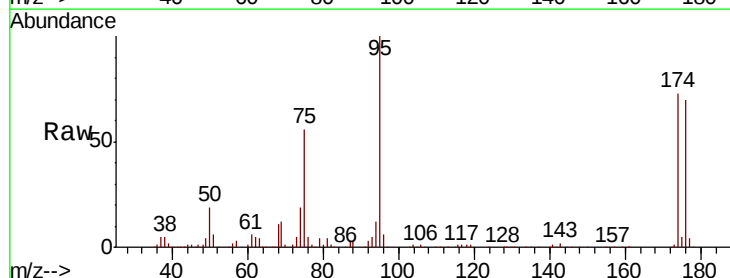
Tgt Ion: 75 Resp: 44478

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 43.5 65.3#



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

