

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX011992.D
 Acq On : 01 Sep 2019 15:11
 Operator : SY/SP
 Sample : K4528-15
 Misc : 4.70g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S1-(1.9)

Quant Time: Sep 02 03:54:08 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	5.64	168	438487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	554044	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	445019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	170053	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	173189	41.22	ug/l	0.00
Spiked Amount			Recovery	=	82.44%	
35) Dibromofluoromethane	5.48	113	161969	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
50) Toluene-d8	8.71	98	607227	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.13	95	186355	33.45	ug/l	0.00
Spiked Amount			Recovery	=	66.90%	

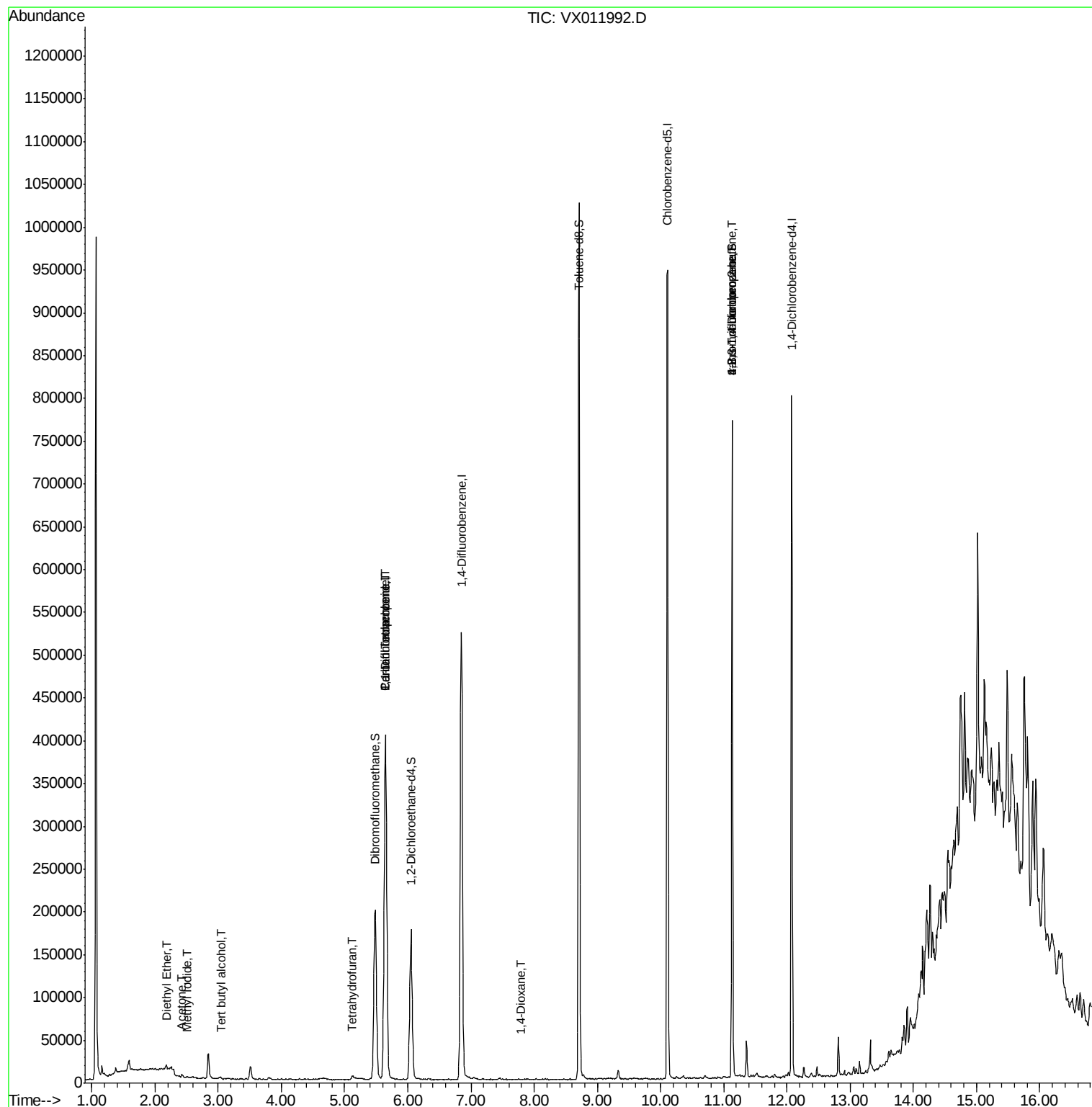
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2041	1.167	ug/l	85
10) Methyl Iodide	2.50	142	793	3.879	ug/l #	87
11) Tert butyl alcohol	3.03	59	2944	7.284	ug/l #	87
16) Acetone	2.43	43	3568	3.947	ug/l	98
20) Methylene Chloride	2.84	84	14318	Below Cal		91
29) Tetrahydrofuran	5.12	42	3802	4.627	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	25740	5.864	ug/l #	50
38) Carbon Tetrachloride	5.65	117	36891	7.247	ug/l #	16
49) 1,4-Dioxane	7.80	88	40	1.135	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	91574	54.742	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	91574	137.522	ug/l #	11

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

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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: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011992.D

Acq: 01 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

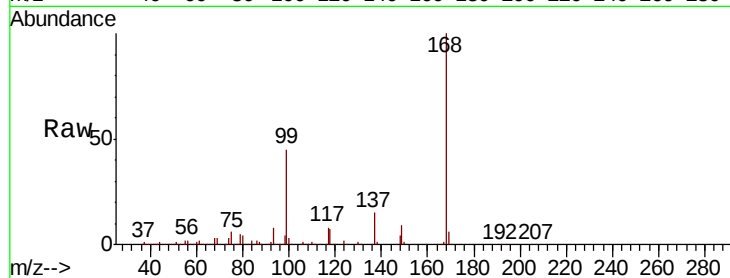
T9-12-13-S1-(1.9)

Tgt Ion:168 Resp: 438487

Ion Ratio Lower Upper

168 100

99 45.3 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

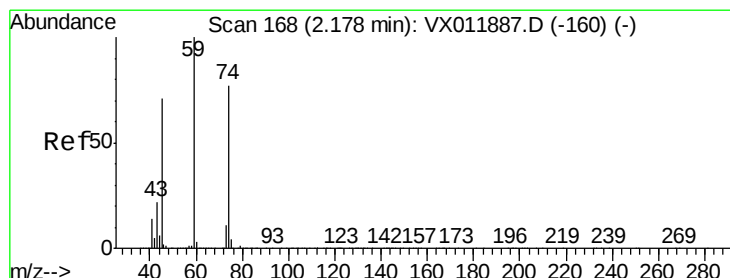
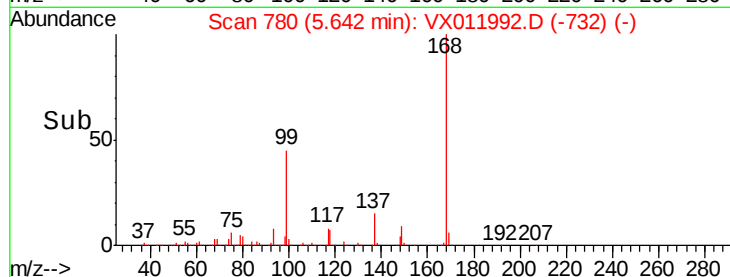
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.167 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011992.D

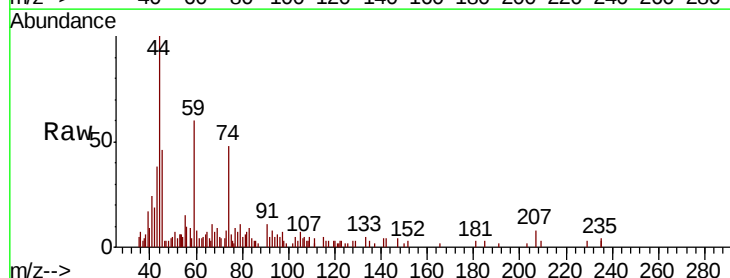
Acq: 01 Sep 2019 15:11

Tgt Ion: 74 Resp: 2041

Ion Ratio Lower Upper

74 100

45 78.6 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

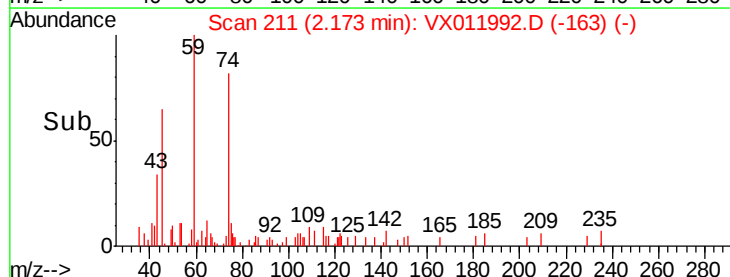
1000

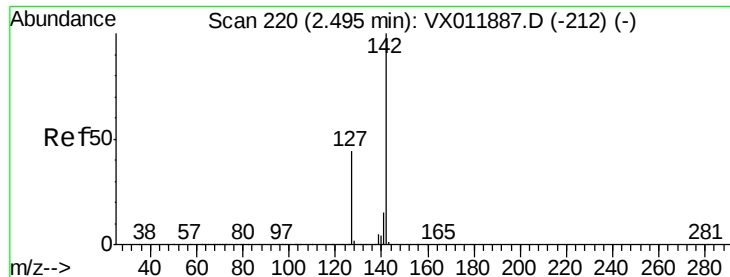
500

0

Time-->

2.10 2.15 2.20 2.25

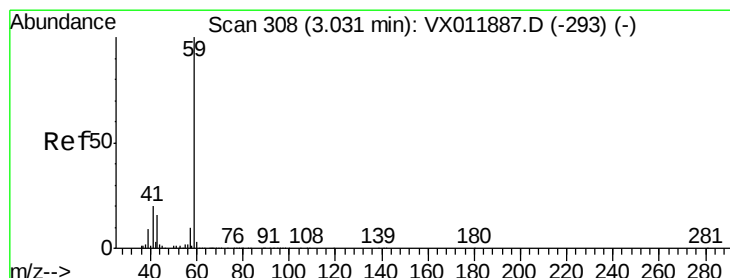
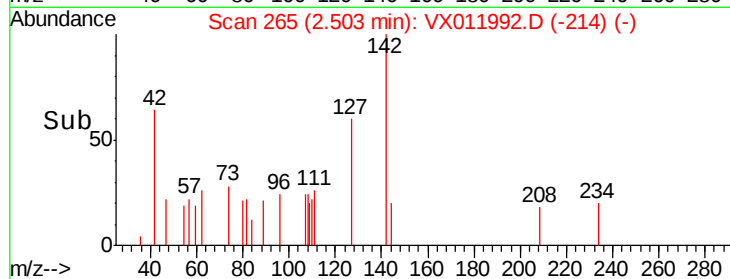
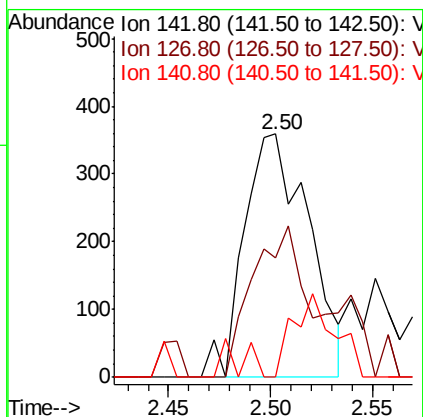
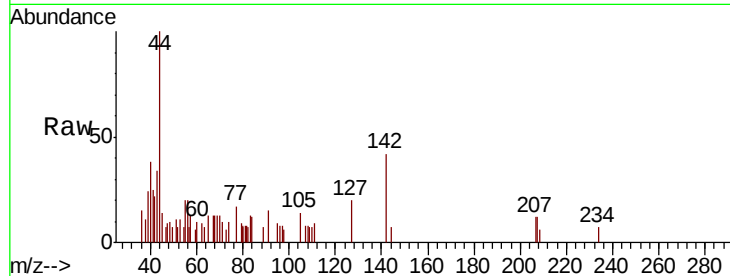




#10
Methyl Iodide
Concen: 3.879 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

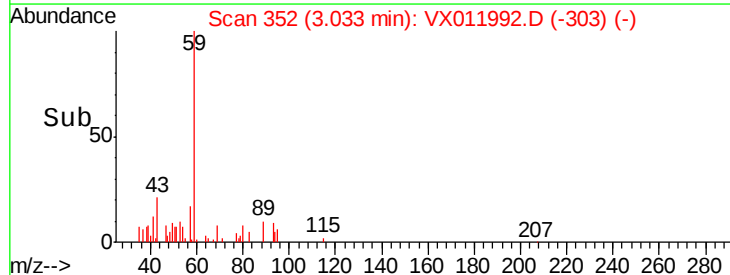
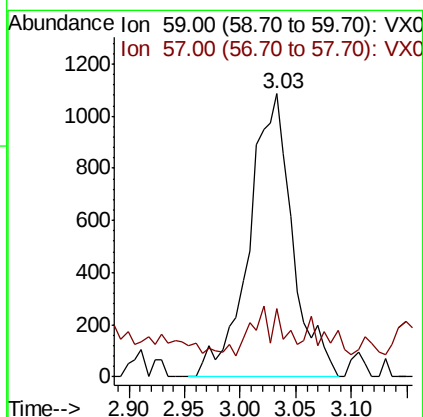
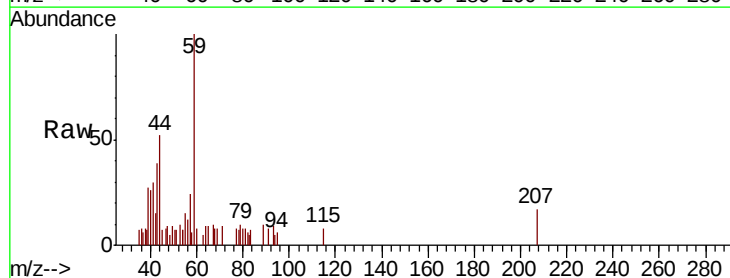
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S1-(1.9)

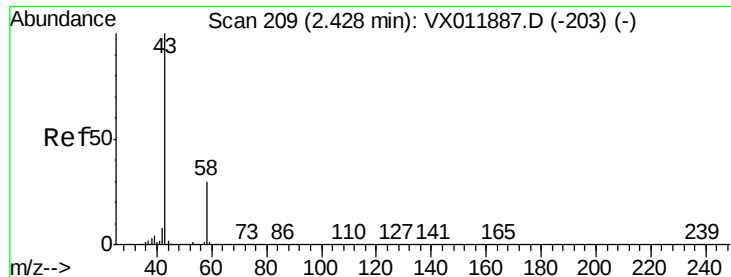
Tgt Ion:142 Resp: 793
Ion Ratio Lower Upper
142 100
127 52.5 35.7 53.5
141 21.9 11.8 17.6#



#11
Tert butyl alcohol
Concen: 7.284 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

Tgt Ion: 59 Resp: 2944
Ion Ratio Lower Upper
59 100
57 6.0 8.6 12.8#





#16

Acetone

Concen: 3.947 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011992.D

Acq: 01 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

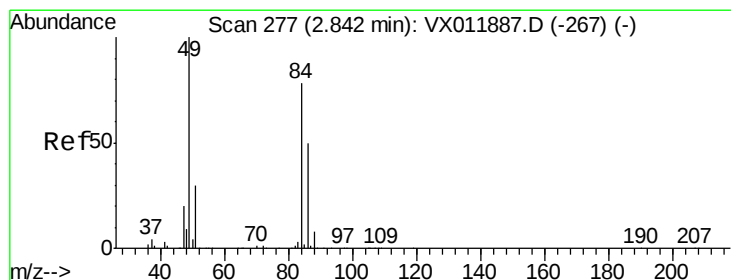
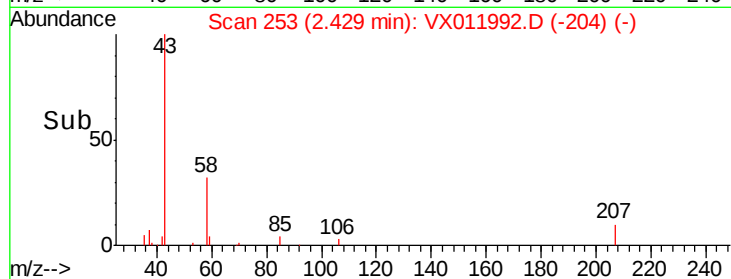
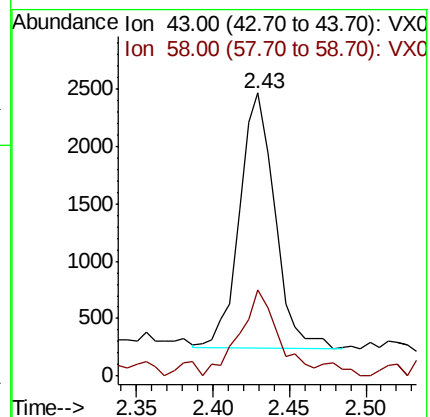
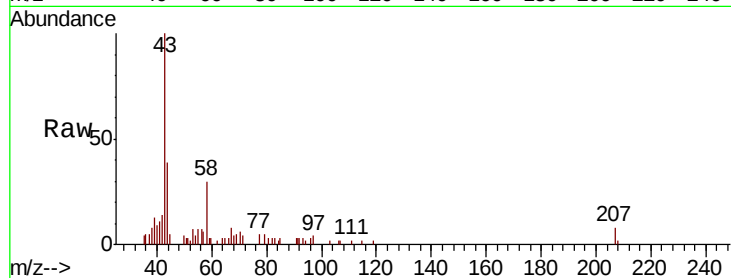
T9-12-13-S1-(1.9)

Tgt Ion: 43 Resp: 3568

Ion Ratio Lower Upper

43 100

58 30.7 23.8 35.8



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 320

Delta R.T. -0.00 min

Lab File: VX011992.D

Acq: 01 Sep 2019 15:11

Tgt Ion: 84 Resp: 14318

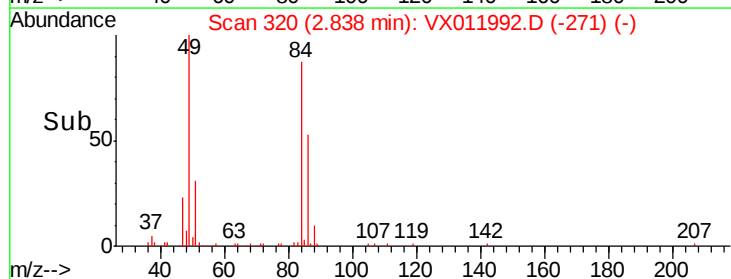
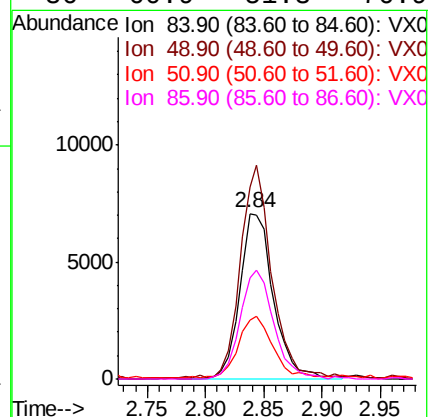
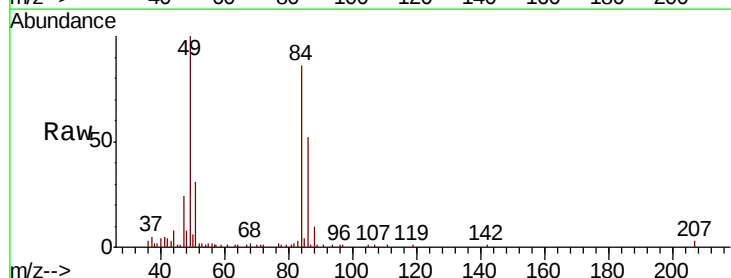
Ion Ratio Lower Upper

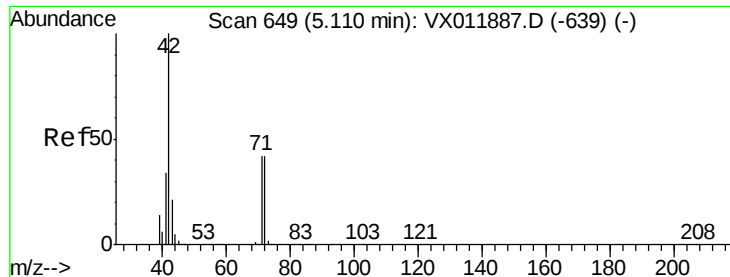
84 100

49 114.9 103.0 154.4

51 34.4 30.8 46.2

86 60.9 51.3 76.9

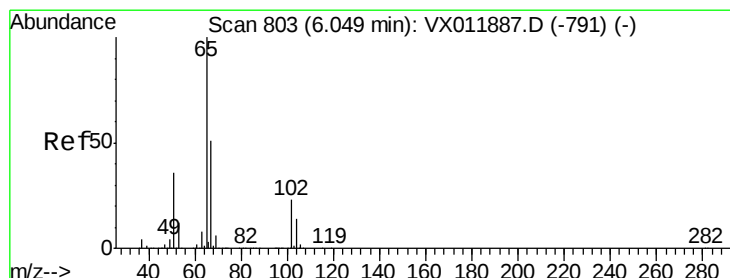
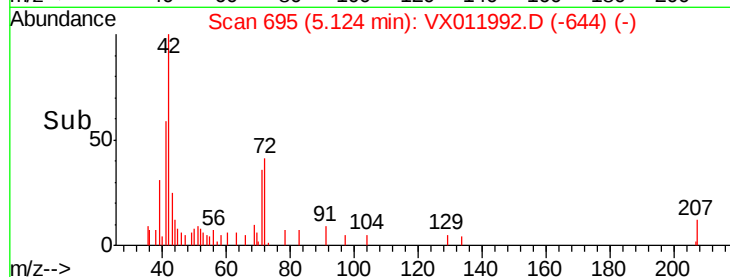
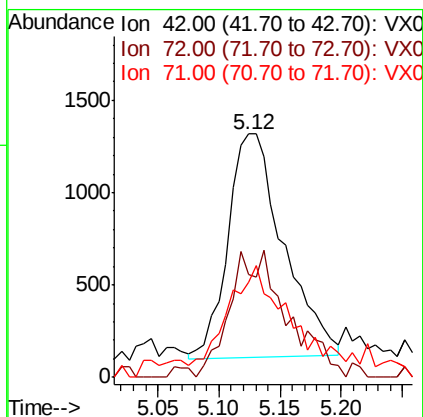
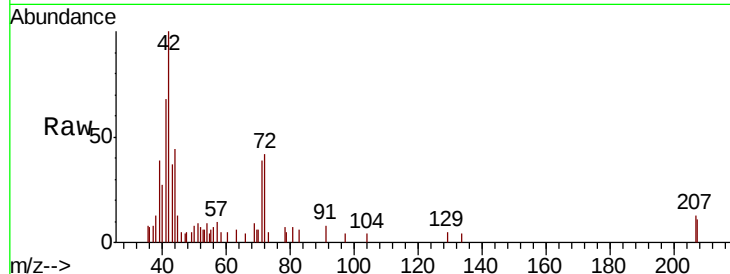




#29
Tetrahydrofuran
Concen: 4.627 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

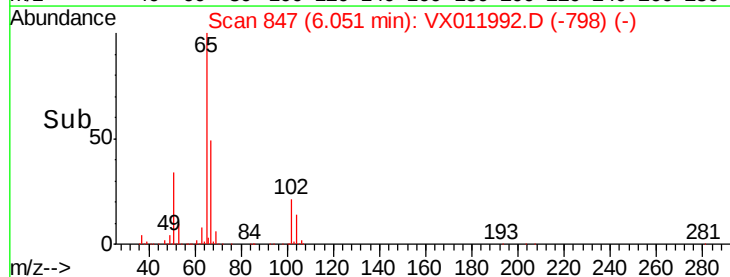
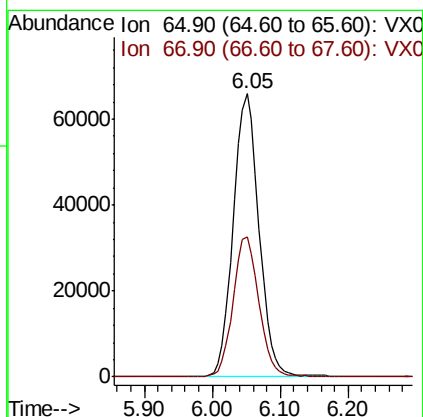
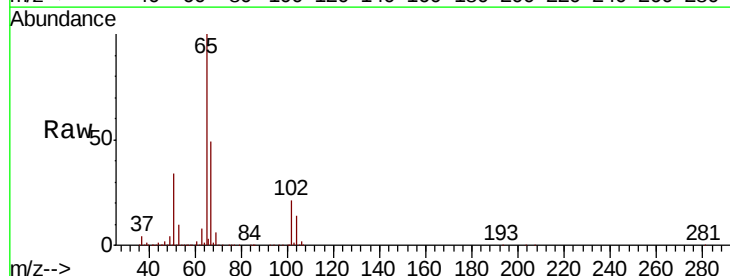
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S1-(1.9)

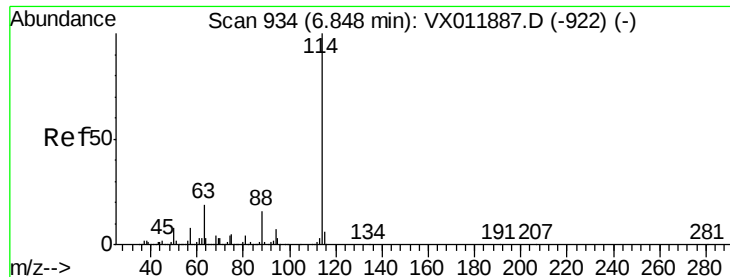
Tgt Ion: 42 Resp: 3802
Ion Ratio Lower Upper
42 100
72 58.1 36.2 54.4#
71 46.7 33.1 49.7



#33
1,2-Dichloroethane-d4
Concen: 41.224 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

Tgt Ion: 65 Resp: 173189
Ion Ratio Lower Upper
65 100
67 49.5 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: VX011992.D

Acq: 01 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S1-(1.9)

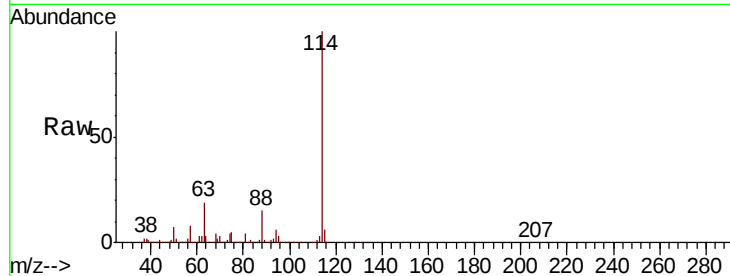
Tgt Ion:114 Resp: 554044

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

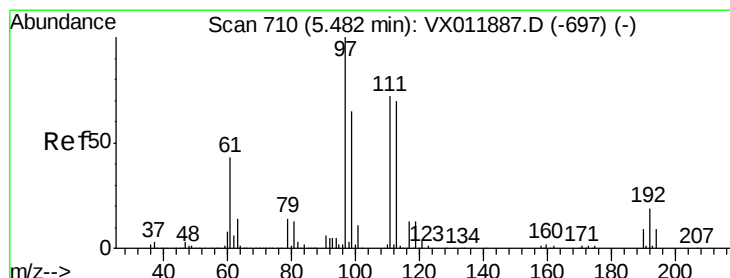
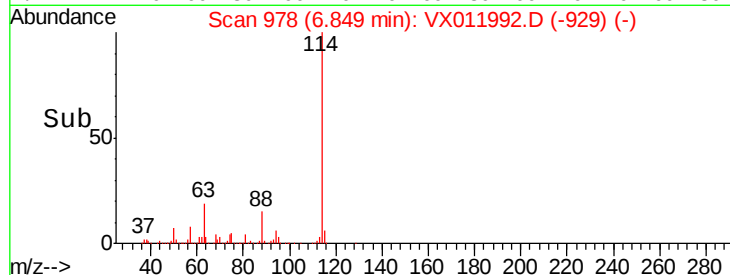
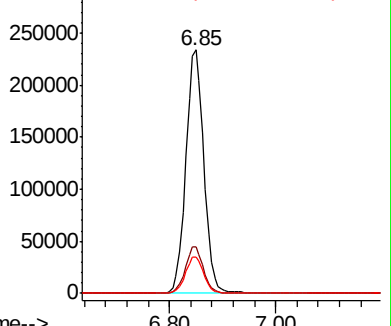
88 14.7 0.0 31.2



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: 45.590 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011992.D

Acq: 01 Sep 2019 15:11

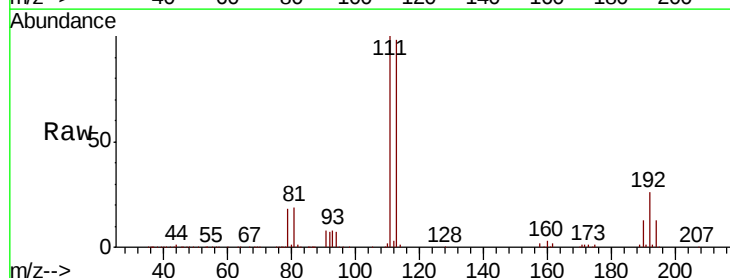
Tgt Ion:113 Resp: 161969

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

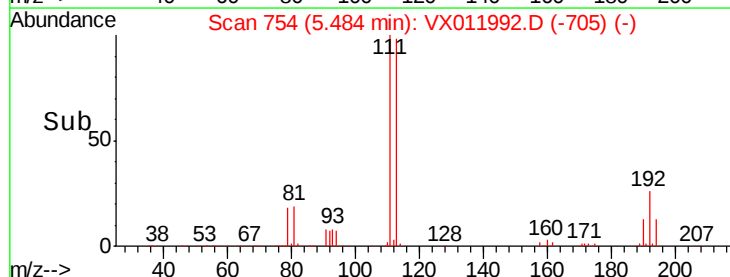
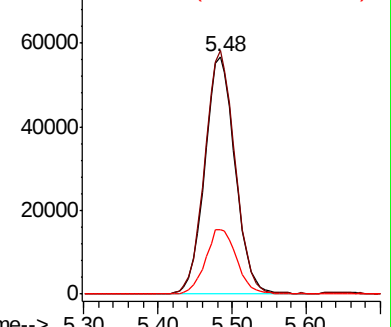
192 27.9 21.5 32.3

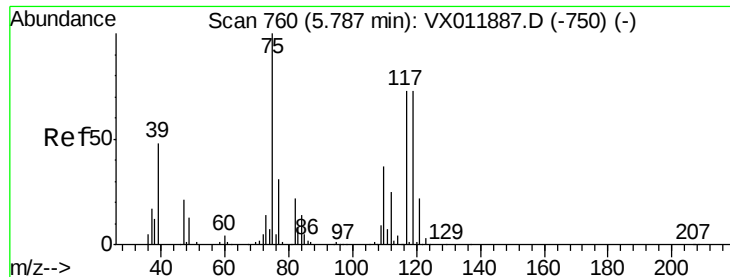


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.864 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX011992.D

Acq: 01 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S1-(1.9)

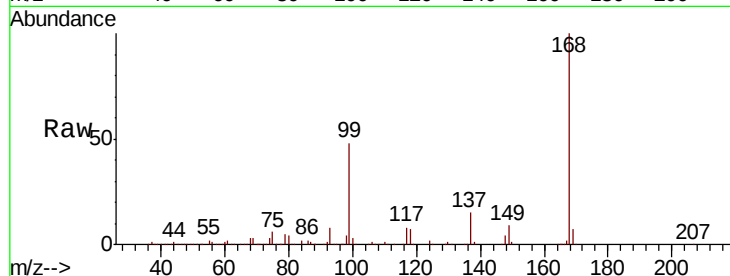
Tgt Ion: 75 Resp: 25740

Ion Ratio Lower Upper

75 100

110 10.8 19.1 57.3#

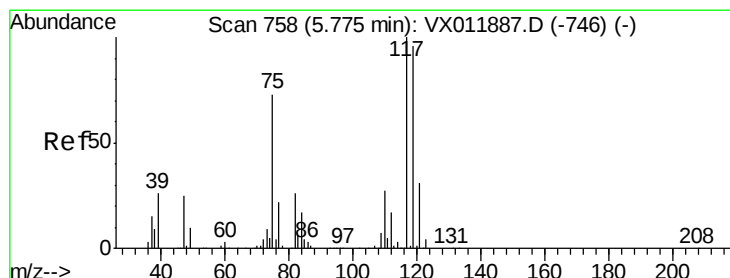
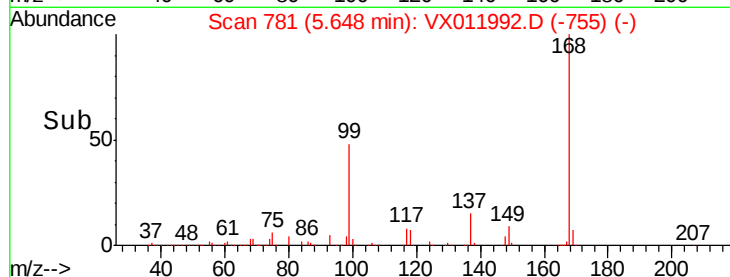
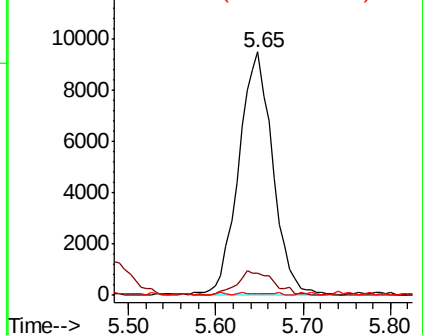
77 0.5 24.4 36.6#



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: 7.247 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011992.D

Acq: 01 Sep 2019 15:11

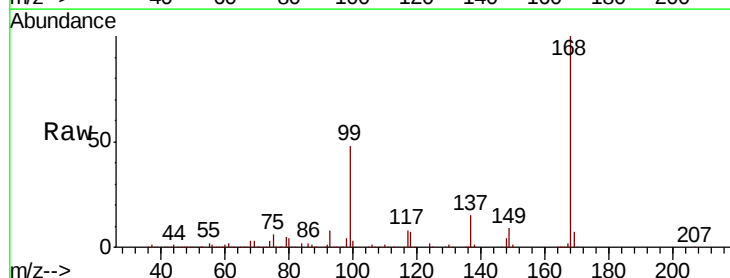
Tgt Ion: 117 Resp: 36891

Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

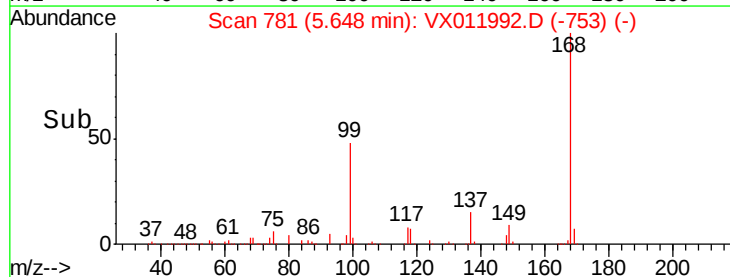
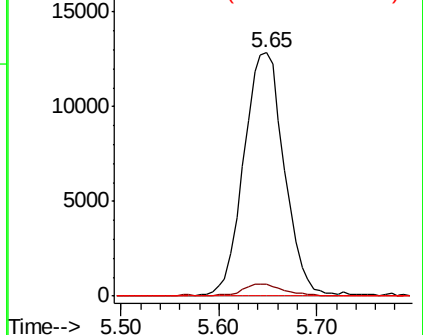
121 0.0 24.7 37.1#

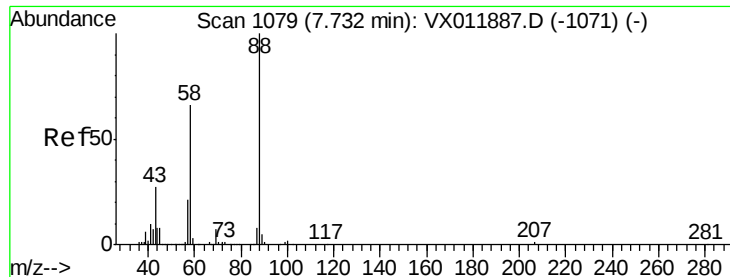


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

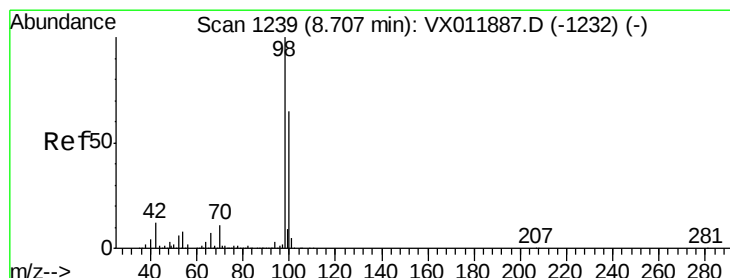
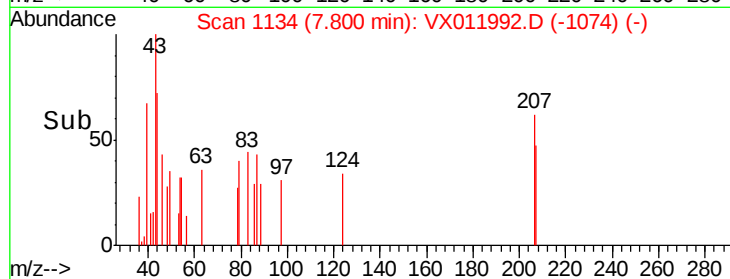
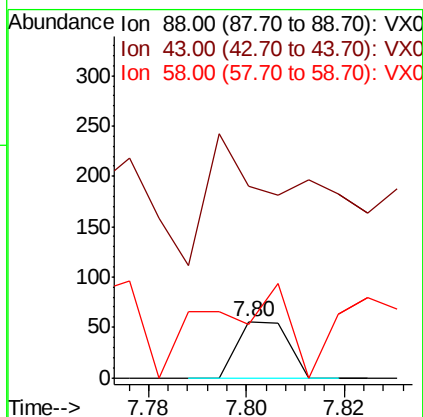
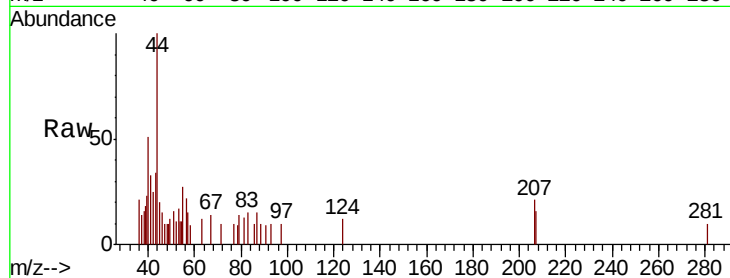




#49
1,4-Dioxane
Concen: 1.135 ug/l
RT: 7.80 min Scan# 1134
Delta R.T. 0.07 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

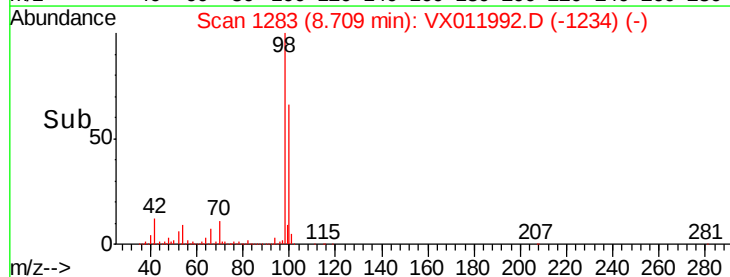
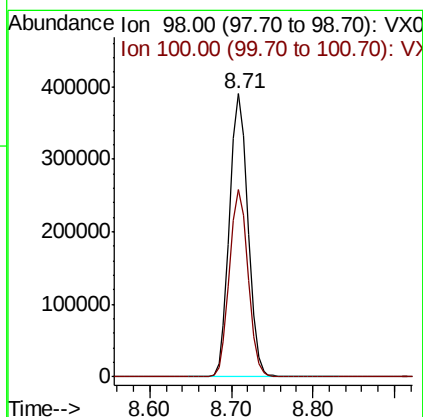
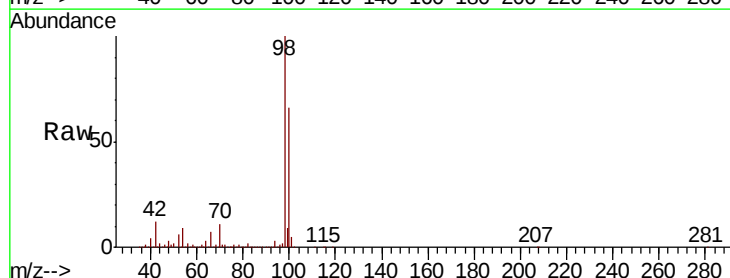
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T9-12-13-S1-(1.9)

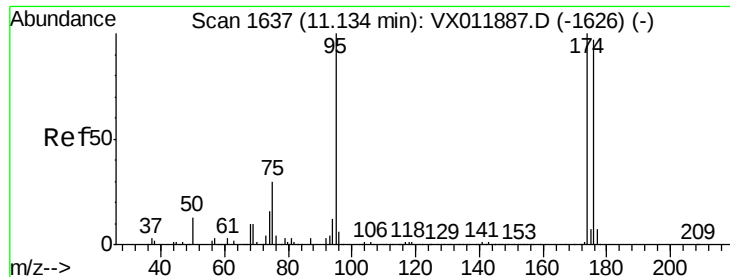
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 595.0 27.3 40.9#
58 255.0 53.9 80.9#



#50
Toluene-d8
Concen: 47.813 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

Tgt Ion: 98 Resp: 607227
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.6

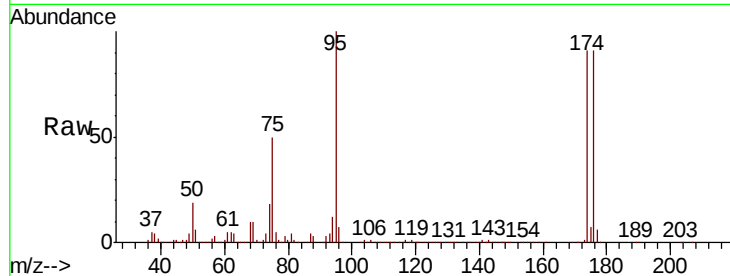




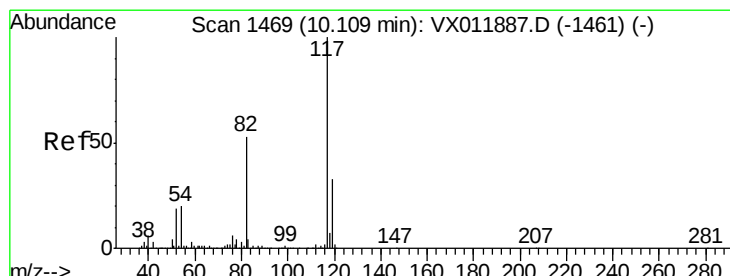
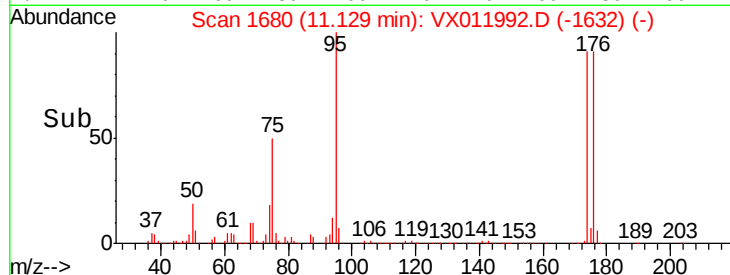
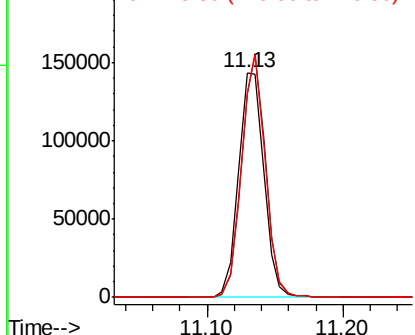
#62
4-Bromofluorobenzene
Concen: 33.451 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S1-(1.9)

Tgt Ion: 95 Resp: 186355
Ion Ratio Lower Upper
95 100
174 102.0 0.0 196.0
176 100.5 0.0 191.4

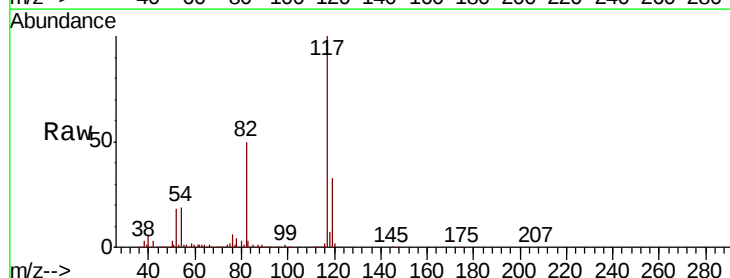


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

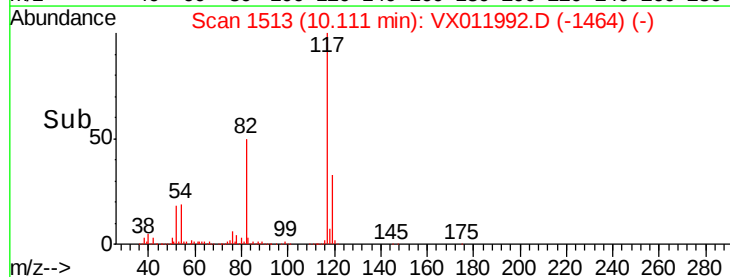
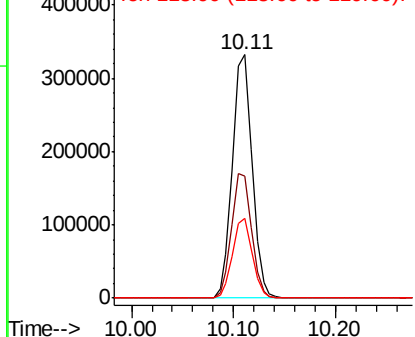


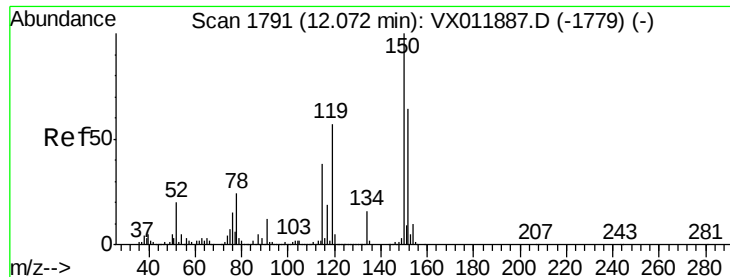
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

Tgt Ion: 117 Resp: 445019
Ion Ratio Lower Upper
117 100
82 49.9 42.0 63.0
119 32.6 26.2 39.4



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



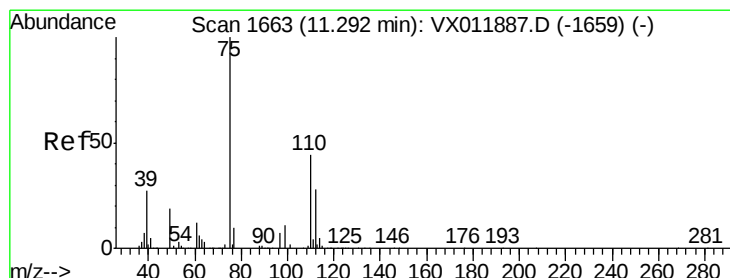
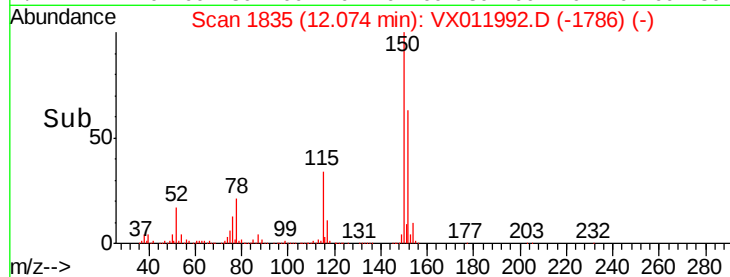
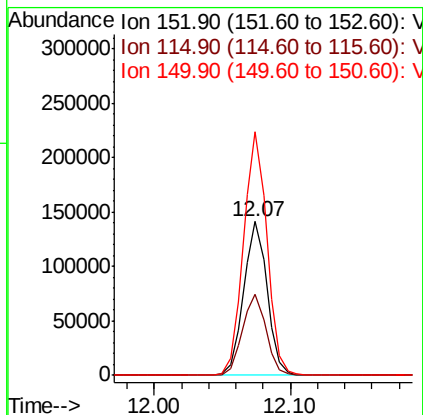
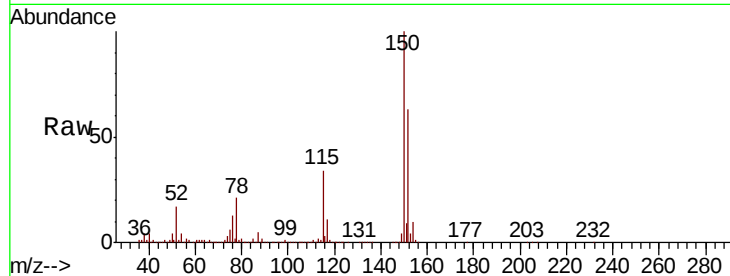


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S1-(1.9)

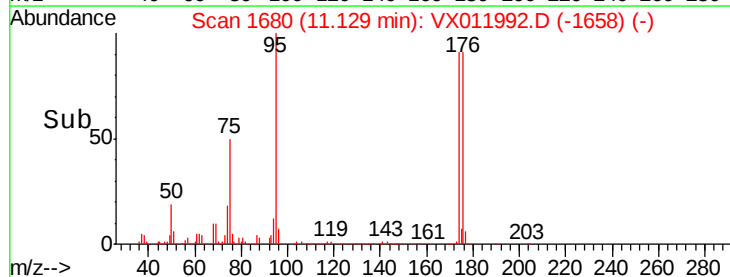
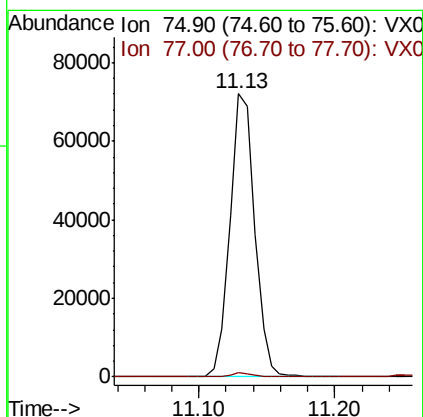
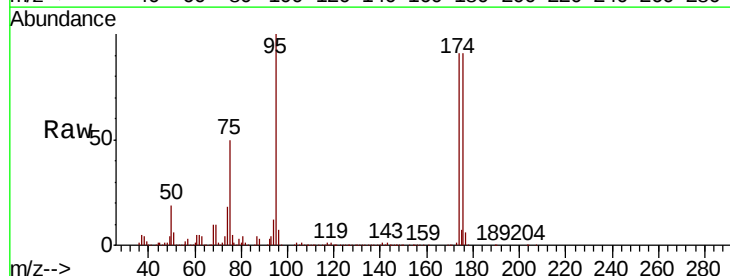
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	37.1	111.3
150	158.5	0.0	339.6

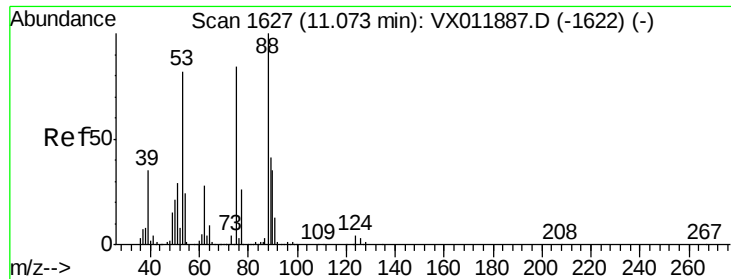


#76

1,2,3-Trichloropropane
Concen: 54.742 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011992.D
Acq: 01 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.9	62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.522 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011992.D
 Acq: 01 Sep 2019 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S1-(1.9)

Tgt Ion: 75 Resp: 91574
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.1 115.7#
 89 0.1 38.2 57.2#

