

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011953.D
 Acq On : 31 Aug 2019 16:19
 Operator : SY/SP
 Sample : K4516-18
 Misc : 4.99g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-S-D-(0)

Quant Time: Sep 01 01:51:25 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

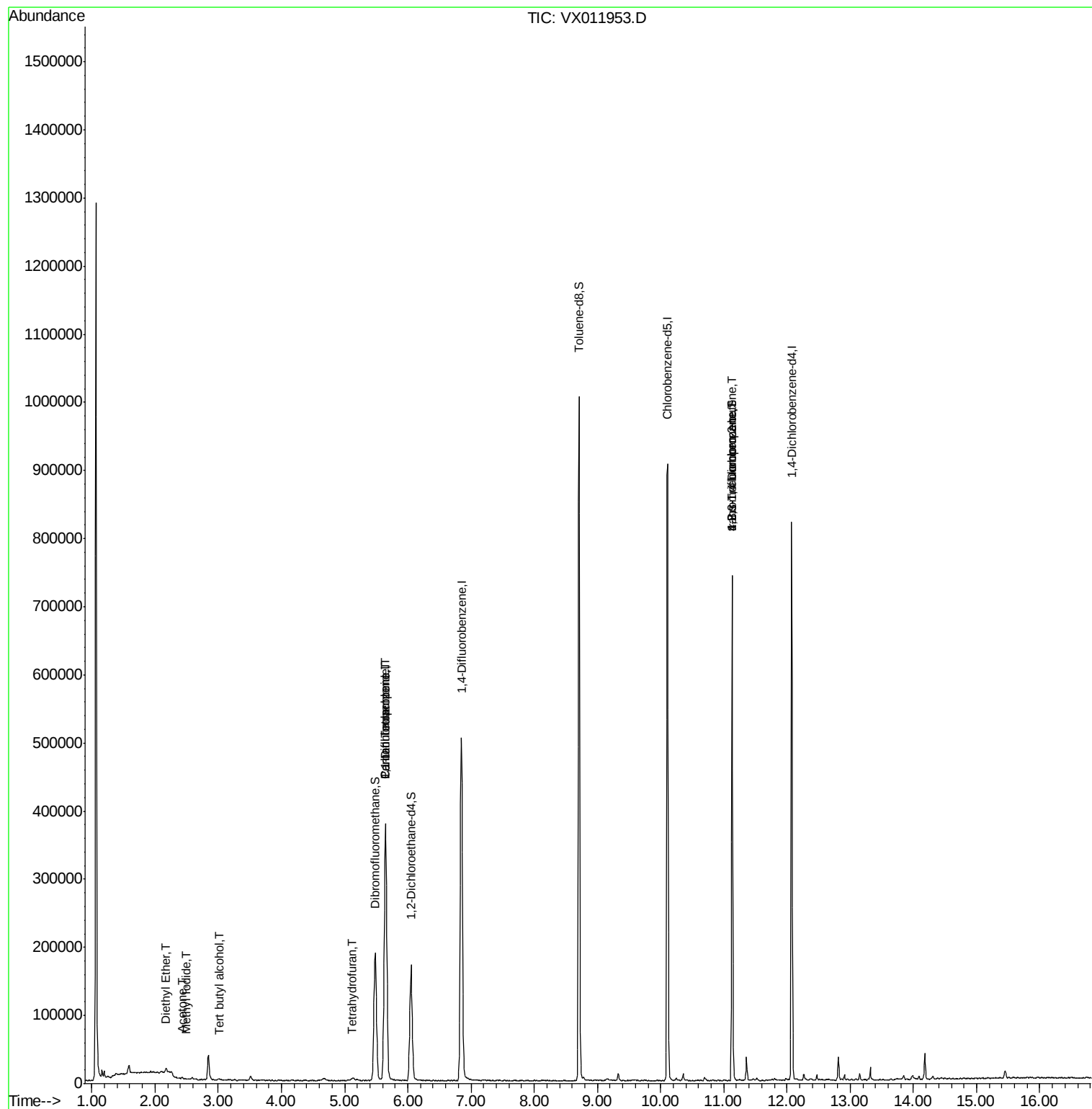
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	403310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	528287	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	426965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	172212	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	165987	42.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.92%	
35) Dibromofluoromethane	5.48	113	153154	45.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.42%	
50) Toluene-d8	8.71	98	580982	47.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.14	95	182869	34.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.86%	
Target Compounds						
8) Diethyl Ether	2.17	74	2229	1.386	ug/l	100
10) Methyl Iodide	2.50	142	409	3.790	ug/l #	78
11) Tert butyl alcohol	3.02	59	2135	5.743	ug/l #	91
16) Acetone	2.43	43	2329	2.801	ug/l	95
29) Tetrahydrofuran	5.12	42	5124	6.780	ug/l	88
36) 1,1-Dichloropropene	5.65	75	25048	5.985	ug/l #	50
38) Carbon Tetrachloride	5.64	117	35587	7.331	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	89810	53.015	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	89810	133.182	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
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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: VX011953.D

Acq: 31 Aug 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

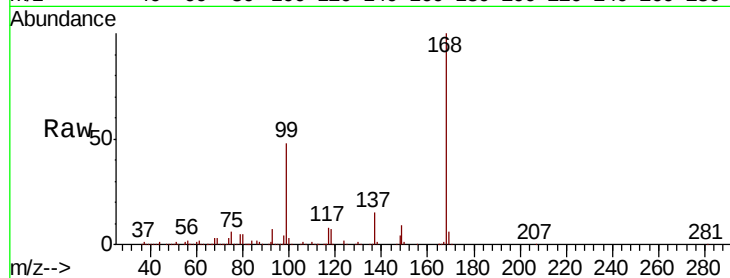
T2-S-D(0)

Tgt Ion:168 Resp: 403310

Ion Ratio Lower Upper

168 100

99 47.7 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

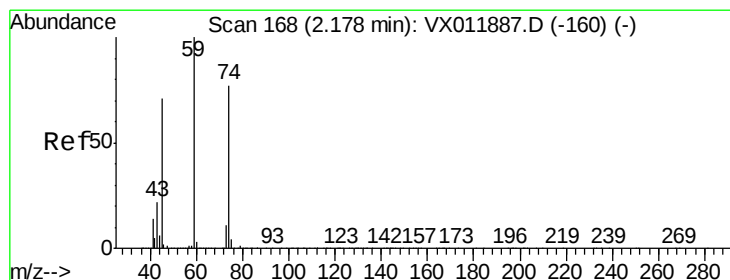
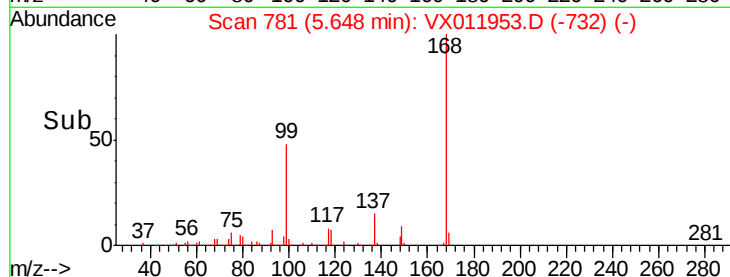
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.386 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011953.D

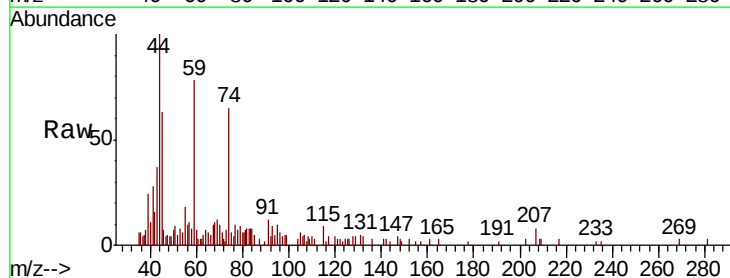
Acq: 31 Aug 2019 16:19

Tgt Ion: 74 Resp: 2229

Ion Ratio Lower Upper

74 100

45 93.4 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

1500

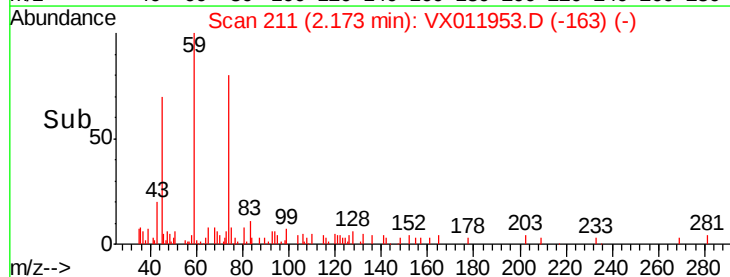
1000

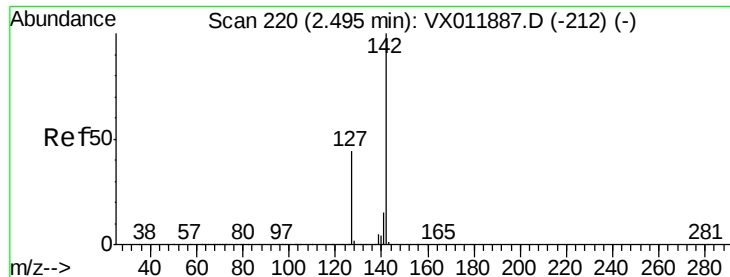
500

0

Time-->

2.15 2.20

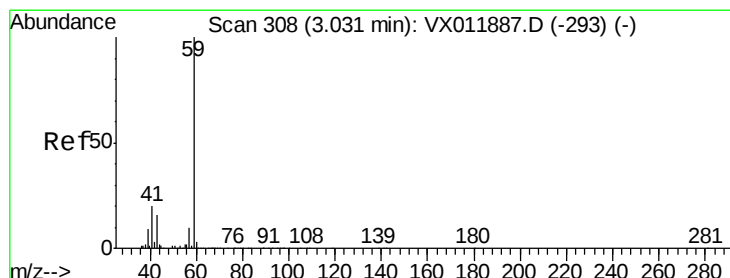
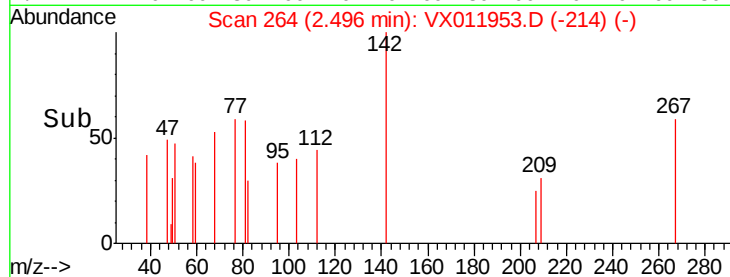
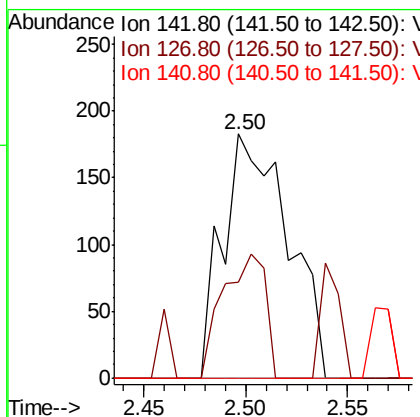
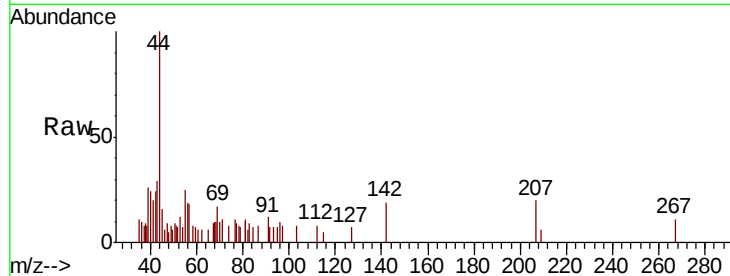




#10
Methyl Iodide
Concen: 3.790 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011953.D
Acq: 31 Aug 2019 16:19

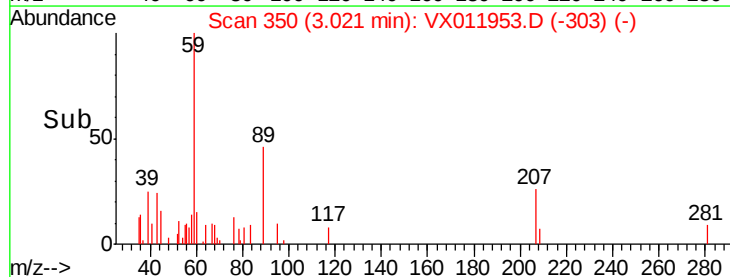
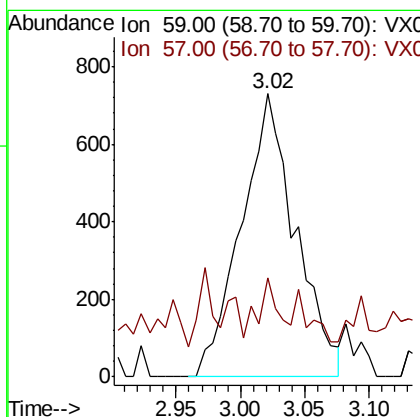
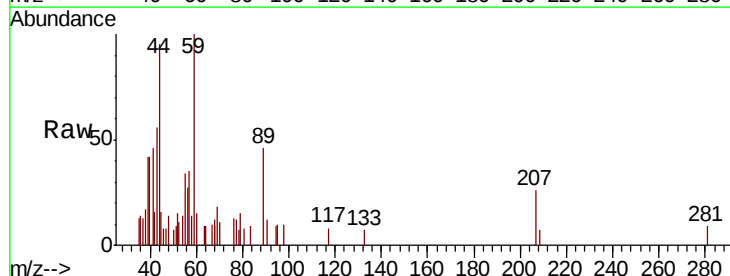
Instrument :
MSVOA_X
ClientSampleId :
T2-S-D-(0)

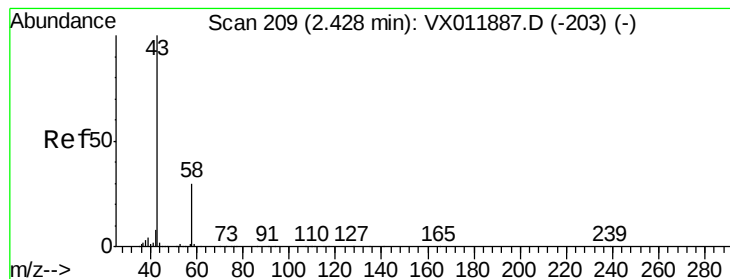
Tgt Ion:142 Resp: 409
Ion Ratio Lower Upper
142 100
127 33.0 35.7 53.5#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 5.743 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011953.D
Acq: 31 Aug 2019 16:19

Tgt Ion: 59 Resp: 2135
Ion Ratio Lower Upper
59 100
57 7.4 8.6 12.8#





#16

Acetone

Concen: 2.801 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011953.D

Acq: 31 Aug 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

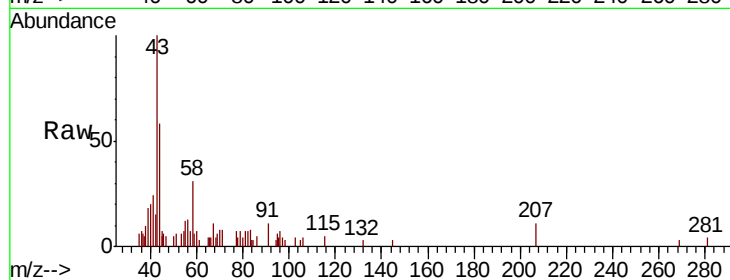
T2-S-D-(0)

Tgt Ion: 43 Resp: 2329

Ion Ratio Lower Upper

43 100

58 32.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

1500

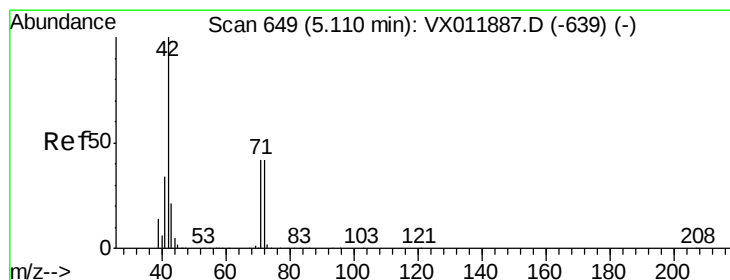
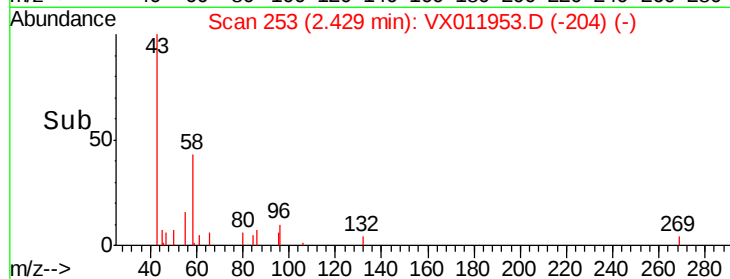
1000

500

0

Time-->

2.40 2.45



#29

Tetrahydrofuran

Concen: 6.780 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011953.D

Acq: 31 Aug 2019 16:19

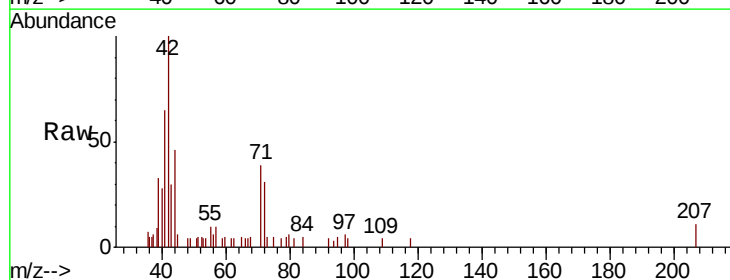
Tgt Ion: 42 Resp: 5124

Ion Ratio Lower Upper

42 100

72 36.4 36.2 54.4

71 47.5 33.1 49.7



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

5.12

1500

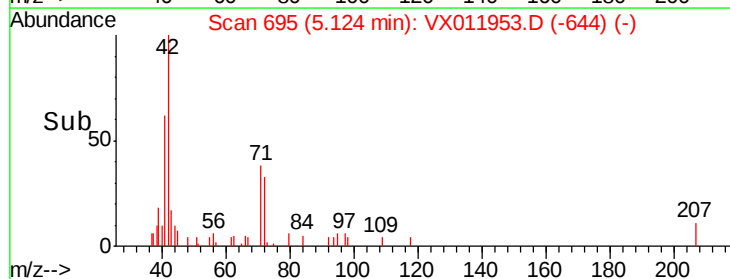
1000

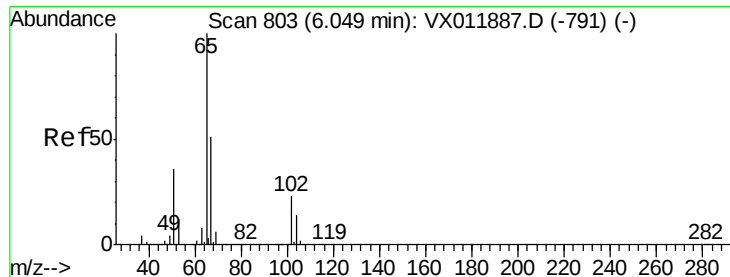
500

0

Time-->

5.10 5.20





#33

1,2-Dichloroethane-d4

Concen: 42.956 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011953.D

Acq: 31 Aug 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

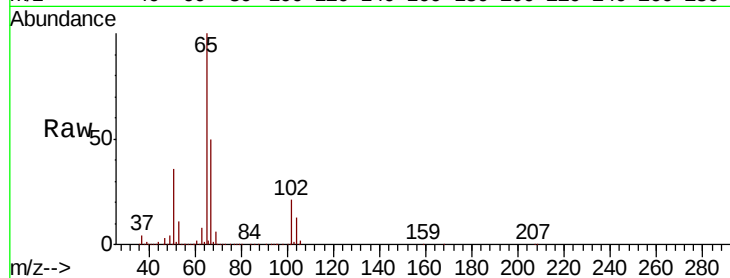
T2-S-D-(0)

Tgt Ion: 65 Resp: 165987

Ion Ratio Lower Upper

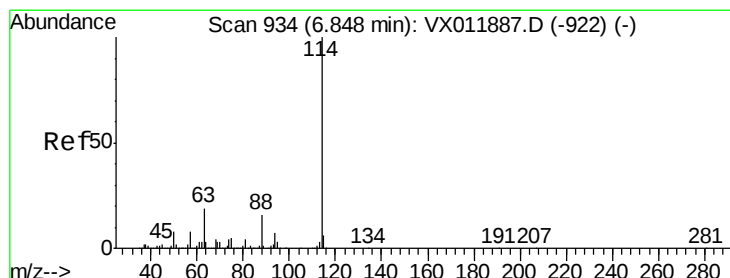
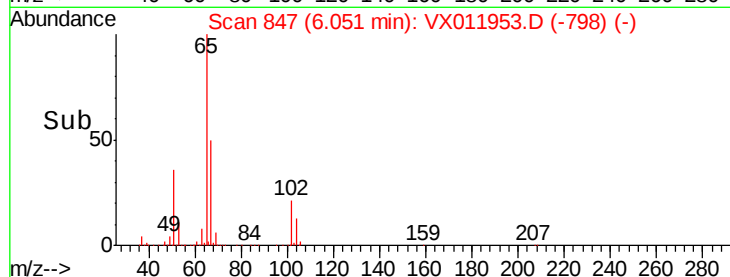
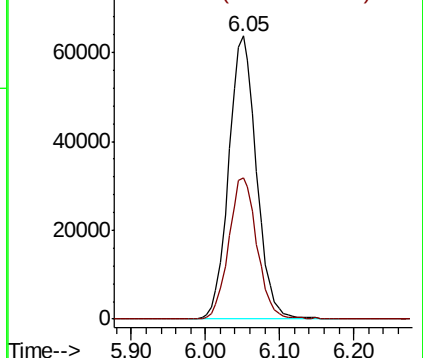
65 100

67 51.1 0.0 102.2



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: VX011953.D

Acq: 31 Aug 2019 16:19

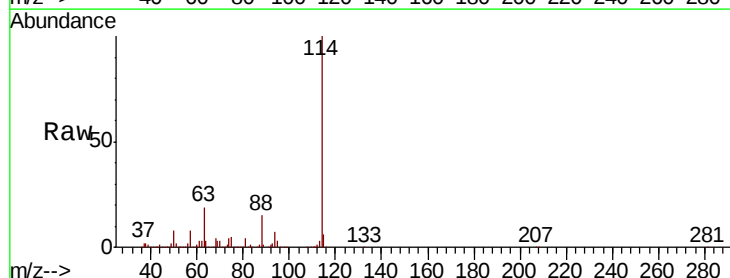
Tgt Ion: 114 Resp: 528287

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

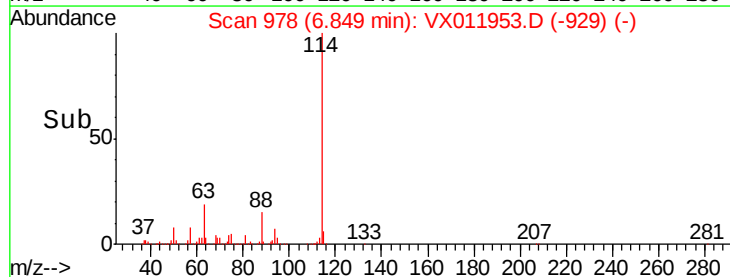
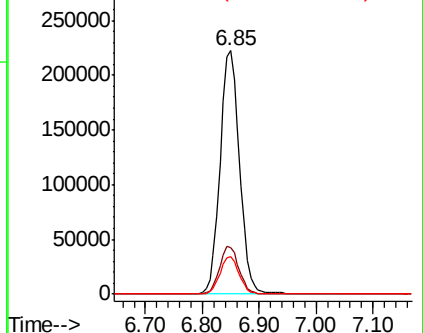
88 15.3 0.0 31.2

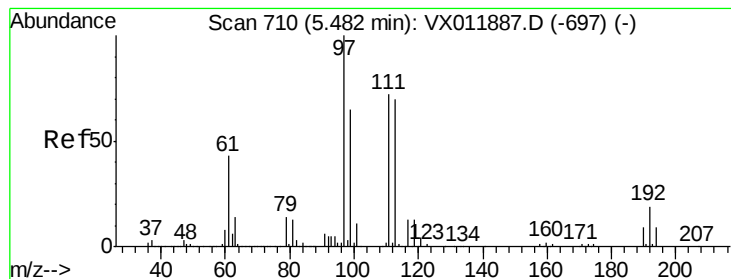


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.210 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011953.D

Acq: 31 Aug 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

T2-S-D-(0)

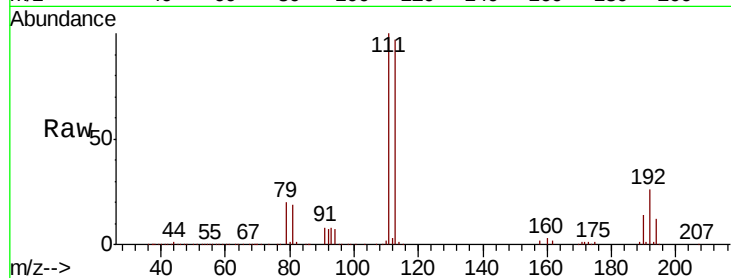
Tgt Ion:113 Resp: 153154

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

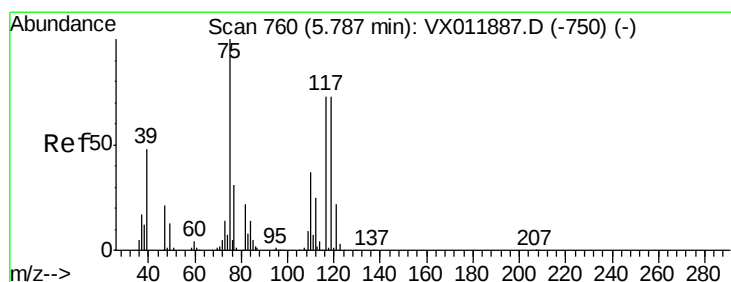
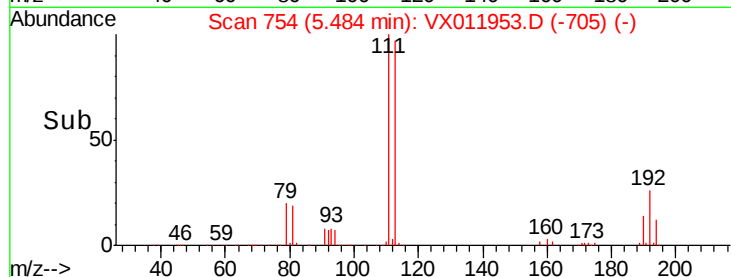
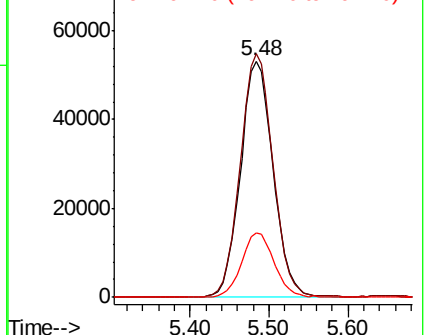
192 27.4 21.5 32.3



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: 5.985 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX011953.D

Acq: 31 Aug 2019 16:19

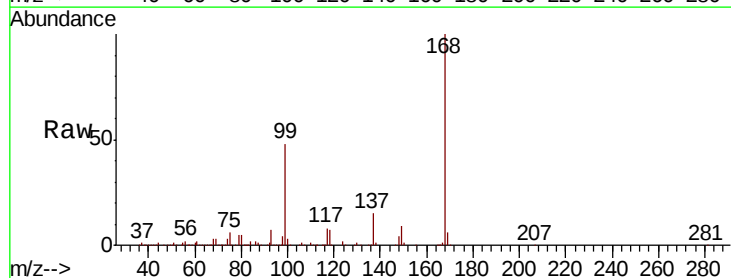
Tgt Ion: 75 Resp: 25048

Ion Ratio Lower Upper

75 100

110 11.2 19.1 57.3#

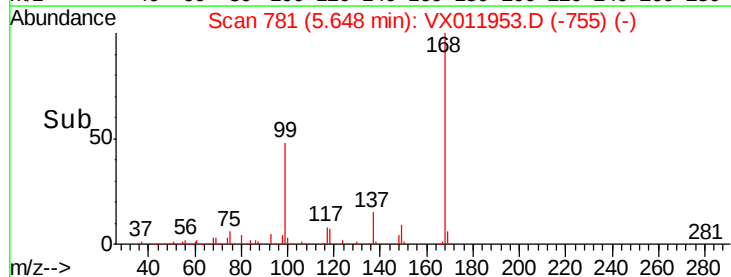
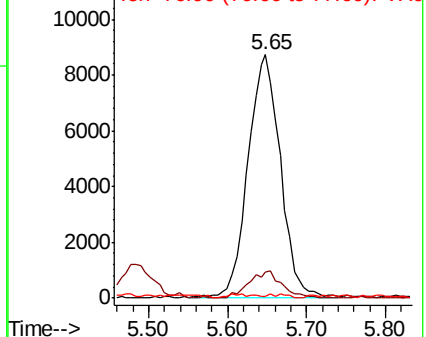
77 0.1 24.4 36.6#

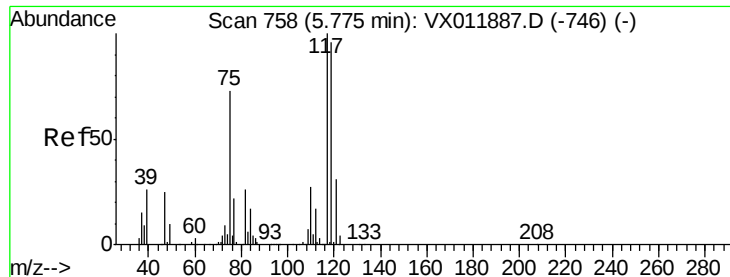


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.331 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX011953.D

Acq: 31 Aug 2019 16:19

Instrument :

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ClientSampleId :

T2-S-D-(0)

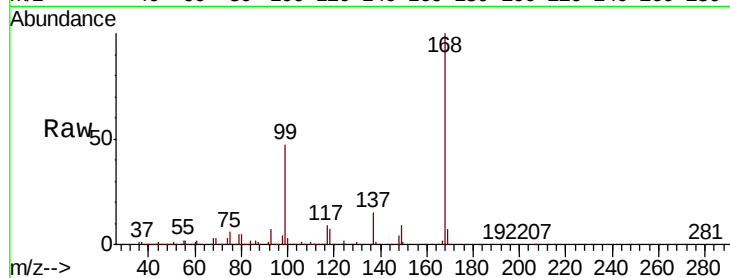
Tgt Ion:117 Resp: 35587

Ion Ratio Lower Upper

117 100

119 3.9 76.6 114.8#

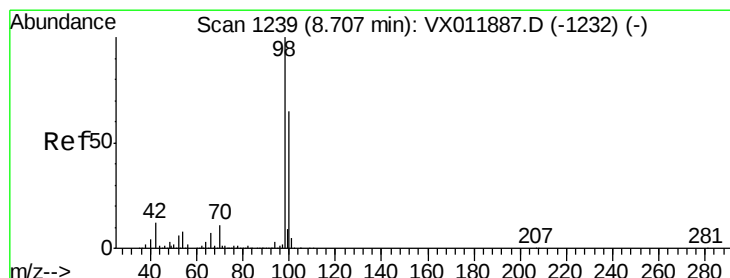
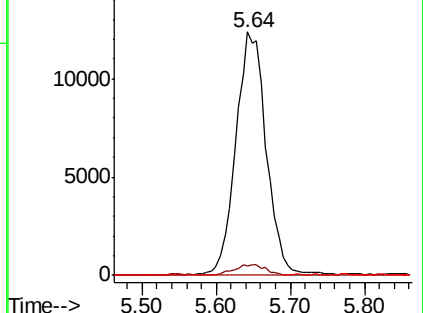
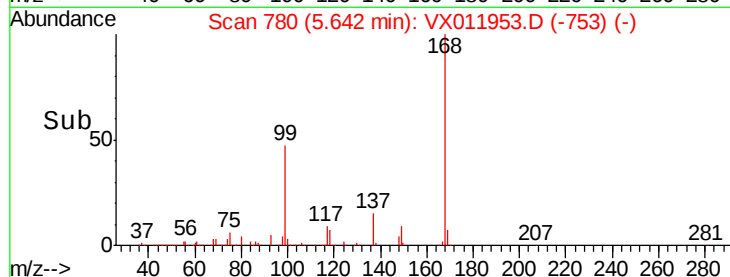
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 47.977 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011953.D

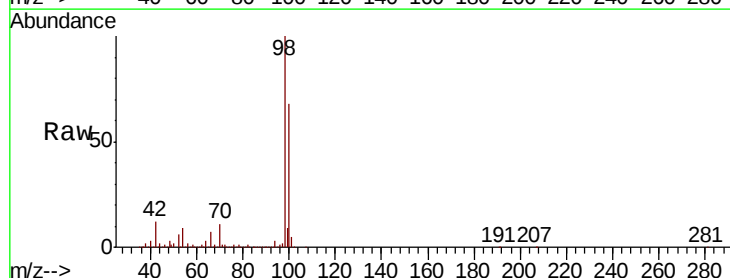
Acq: 31 Aug 2019 16:19

Tgt Ion: 98 Resp: 580982

Ion Ratio Lower Upper

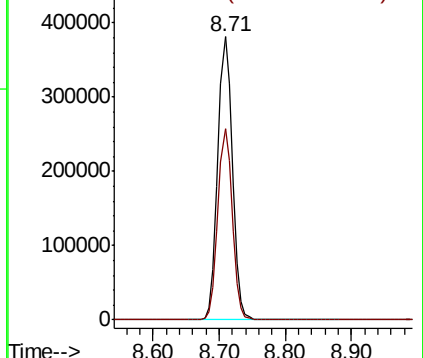
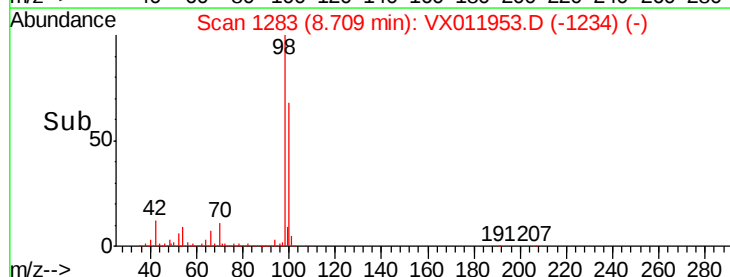
98 100

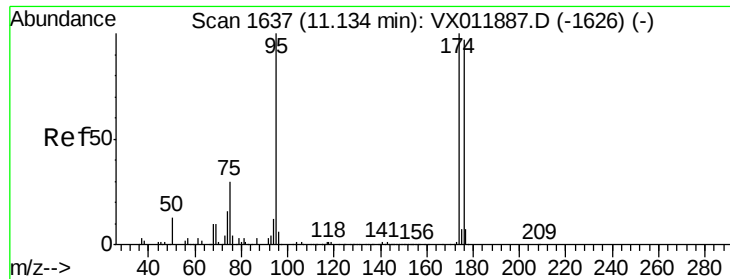
100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 34.425 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011953.D

Acq: 31 Aug 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

T2-S-D(0)

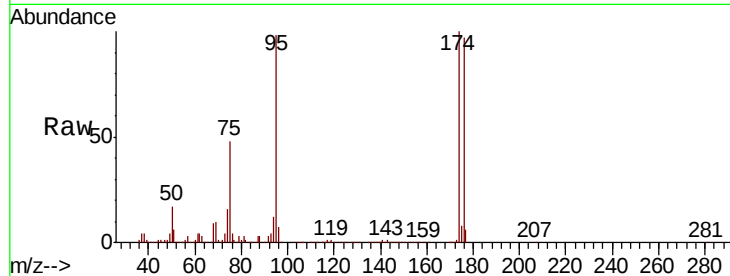
Tgt Ion: 95 Resp: 182869

Ion Ratio Lower Upper

95 100

174 97.7 0.0 196.0

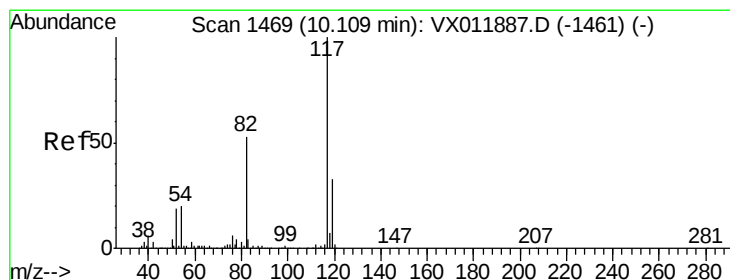
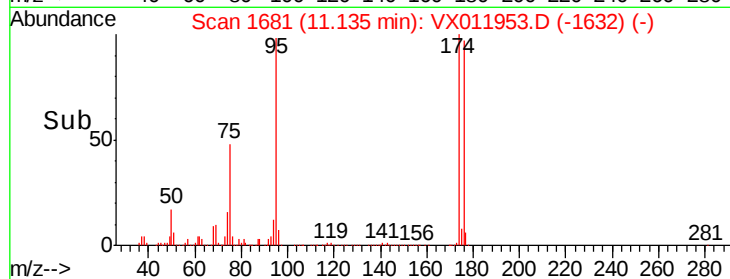
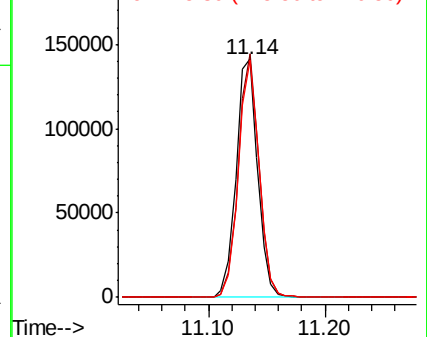
176 95.6 0.0 191.4



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: VX011953.D

Acq: 31 Aug 2019 16:19

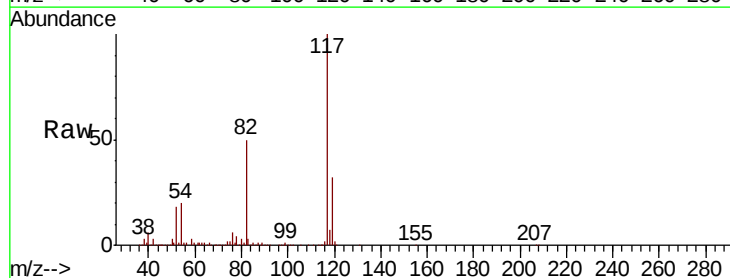
Tgt Ion: 117 Resp: 426965

Ion Ratio Lower Upper

117 100

82 50.0 42.0 63.0

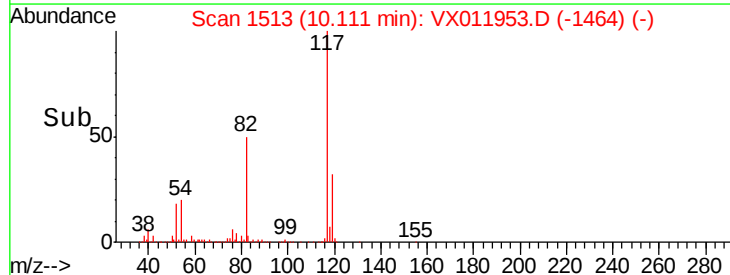
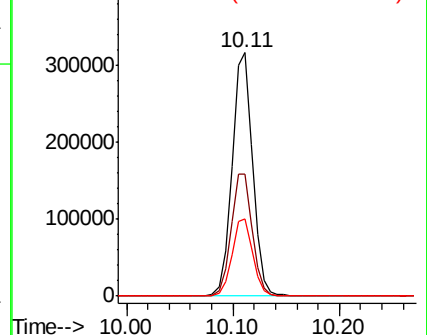
119 32.0 26.2 39.4

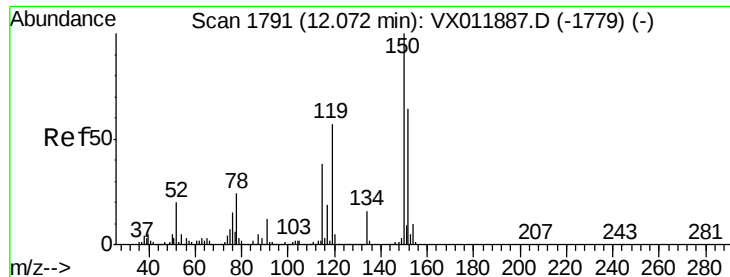


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



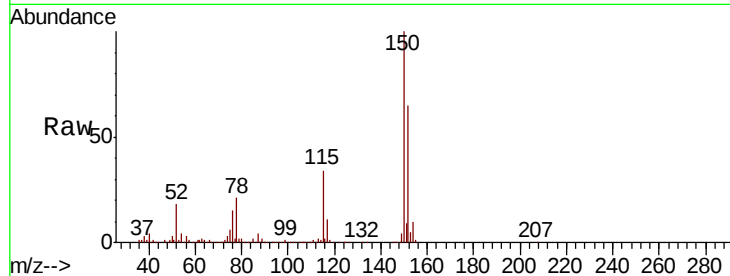


#72

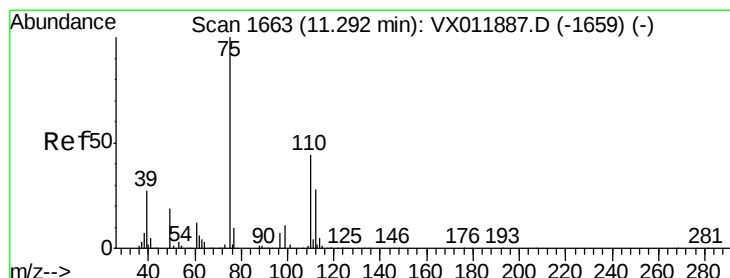
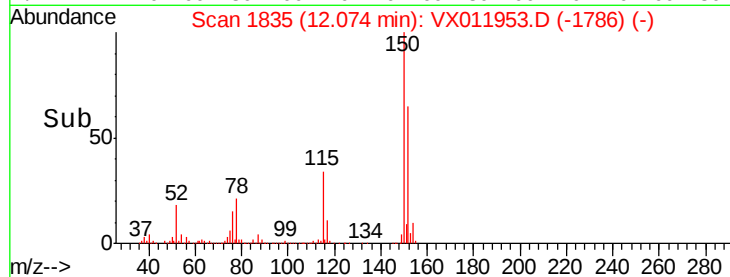
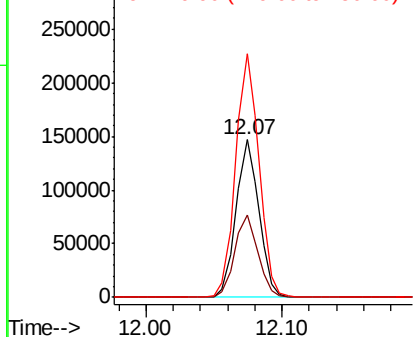
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011953.D
Acq: 31 Aug 2019 16:19

Instrument :
MSVOA_X
ClientSampleId :
T2-S-D-(0)

Tgt Ion: 152 Resp: 172212
Ion Ratio Lower Upper
152 100
115 53.5 37.1 111.3
150 157.4 0.0 339.6



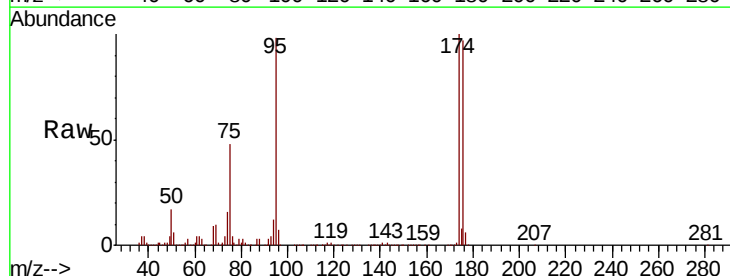
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



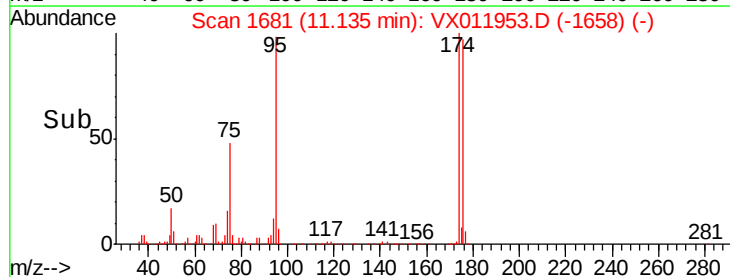
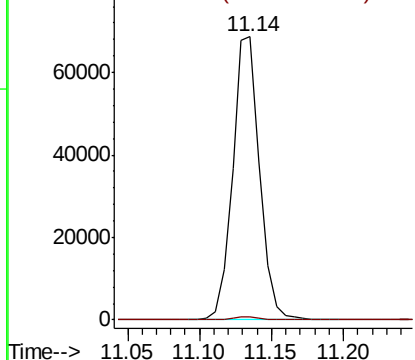
#76

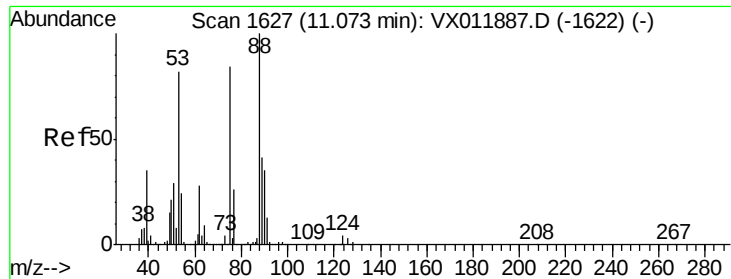
1,2,3-Trichloropropane
Concen: 53.015 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX011953.D
Acq: 31 Aug 2019 16:19

Tgt Ion: 75 Resp: 89810
Ion Ratio Lower Upper
75 100
77 1.4 20.9 62.7#



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: 133.182 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.06 min

Lab File: VX011953.D

Acq: 31 Aug 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

T2-S-D-(0)

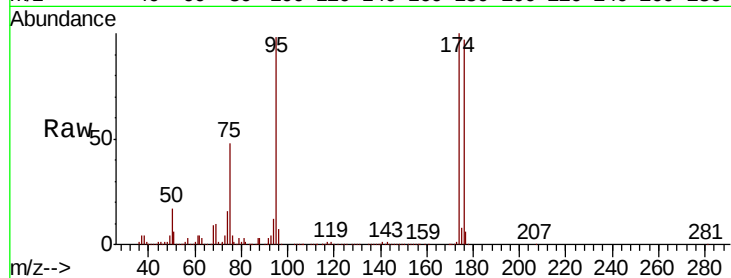
Tgt Ion: 75 Resp: 89810

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.2 57.2#



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

