

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011910.D
 Acq On : 30 Aug 2019 15:30
 Operator : SY/SP
 Sample : K4475-05
 Misc : 5.17g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-D-(0)

Quant Time: Aug 31 02:03:16 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	425074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	566342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	508743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	254463	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	190473	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
35) Dibromofluoromethane	5.48	113	170504	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
50) Toluene-d8	8.71	98	657167	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.14	95	237646	41.73	ug/l	0.00
Spiked Amount			Recovery	=	83.46%	

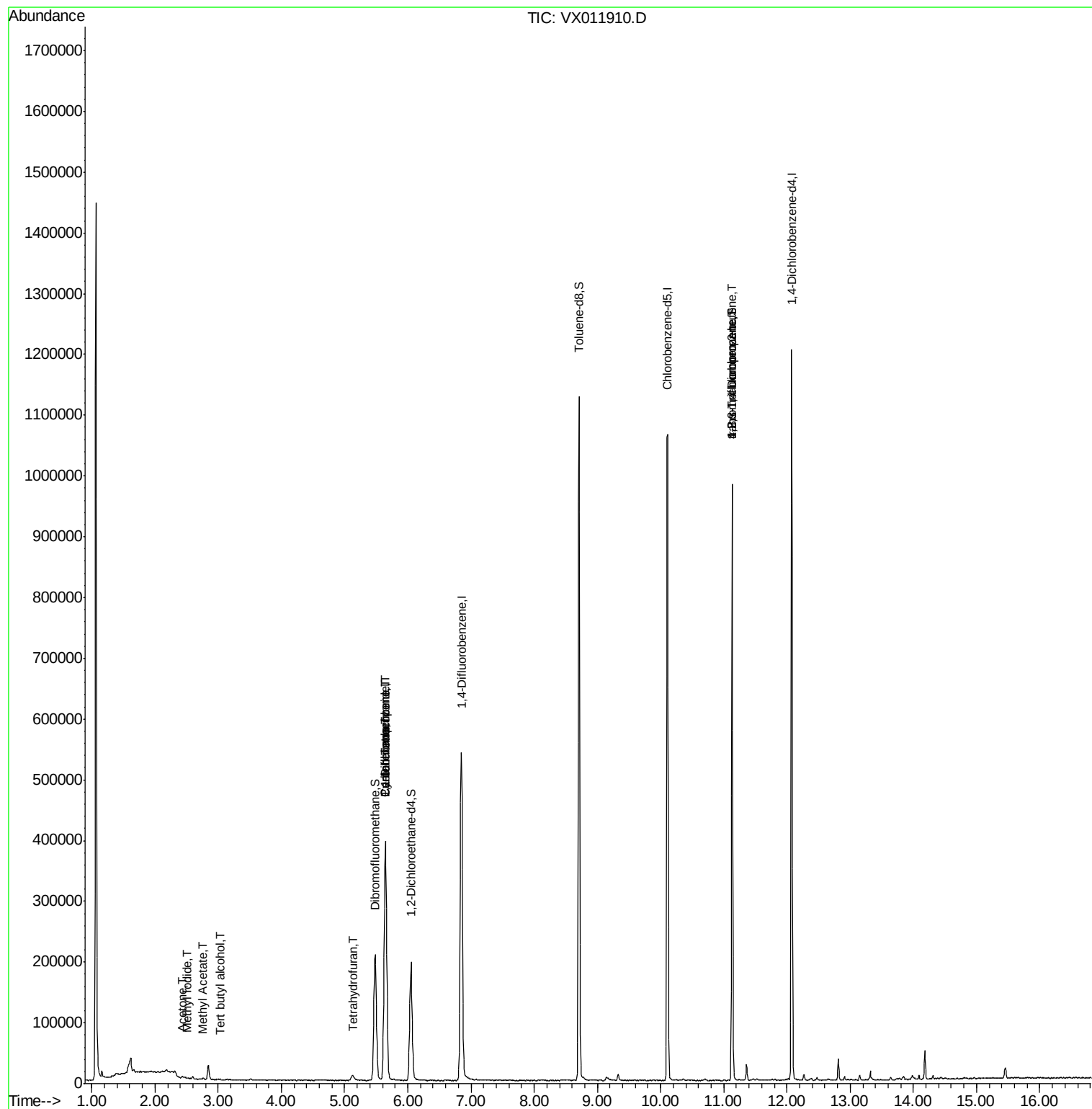
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	1024	3.946	ug/l	98
11) Tert butyl alcohol	3.03	59	1487	3.795	ug/l	95
16) Acetone	2.43	43	3018	3.444	ug/l #	85
18) Methyl Acetate	2.76	43	2701	1.114	ug/l #	84
20) Methylene Chloride	2.84	84	11724	Below Cal		93
29) Tetrahydrofuran	5.13	42	8676	10.892	ug/l	93
31) Cyclohexane	5.65	56	6877	1.352	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	25658	5.719	ug/l #	50
38) Carbon Tetrachloride	5.65	117	36375	6.990	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	118865	47.486	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	118865	119.293	ug/l #	11

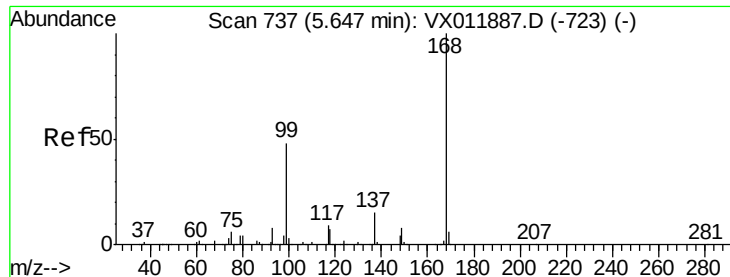
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
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Quant Time: Aug 31 02:03:16 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: VX011910.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

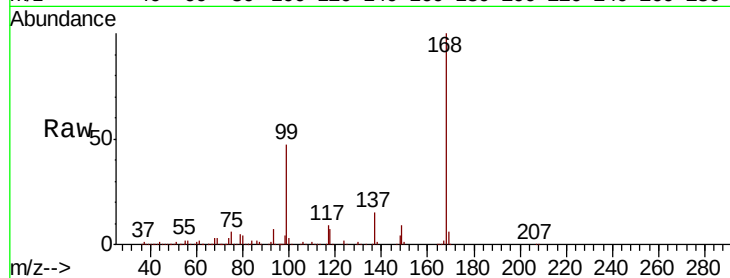
T1-2-D-(0)

Tgt Ion:168 Resp: 425074

Ion Ratio Lower Upper

168 100

99 47.2 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

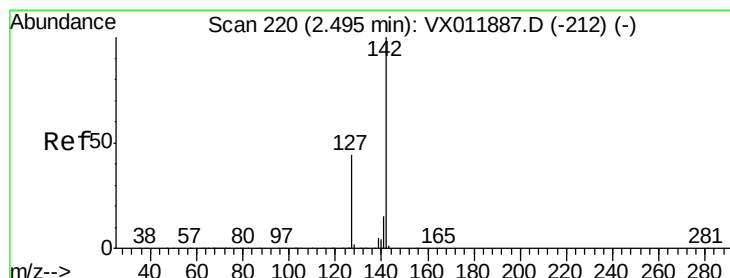
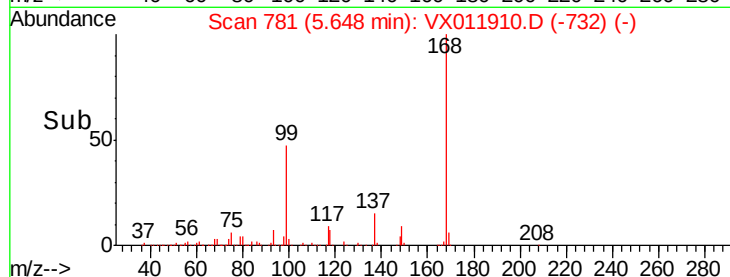
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 3.946 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011910.D

Acq: 30 Aug 2019 15:30

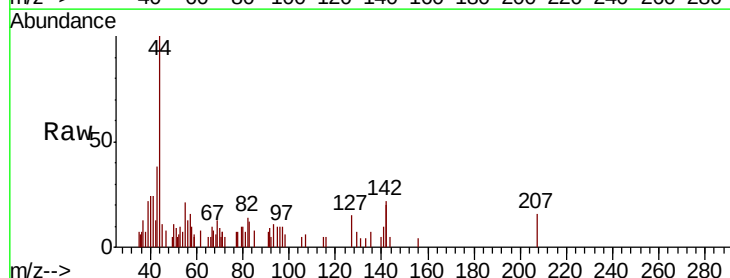
Tgt Ion:142 Resp: 1024

Ion Ratio Lower Upper

142 100

127 45.5 35.7 53.5

141 15.7 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

600

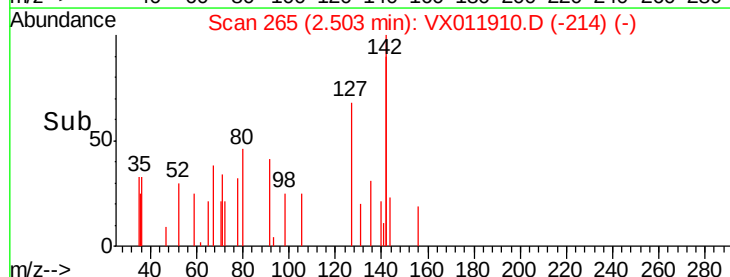
400

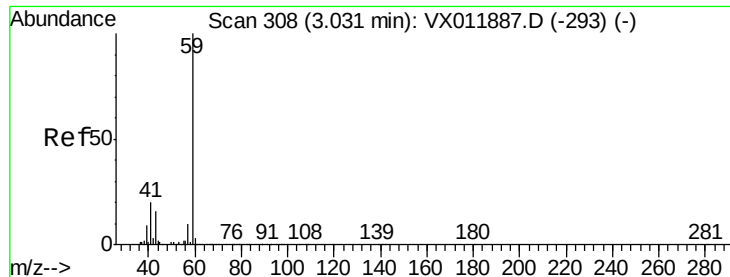
200

0

2.45 2.50 2.55

Time-->



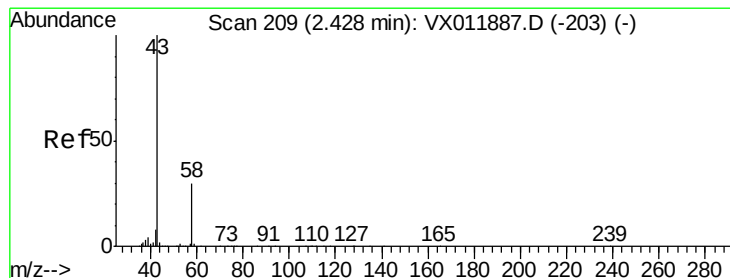
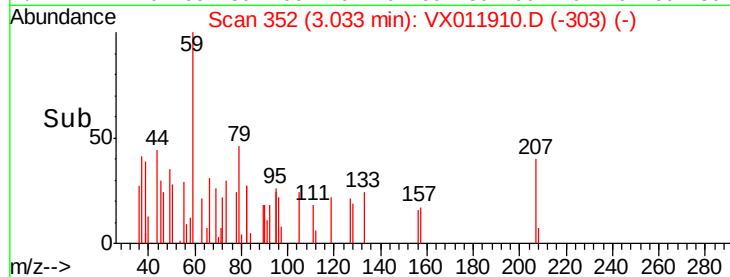
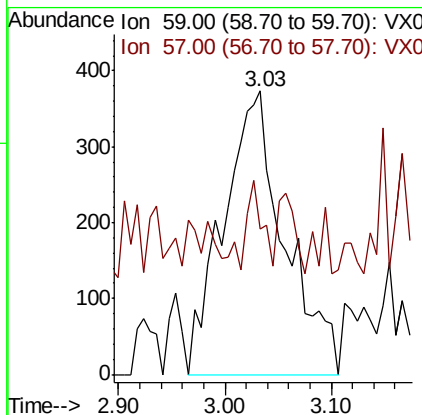
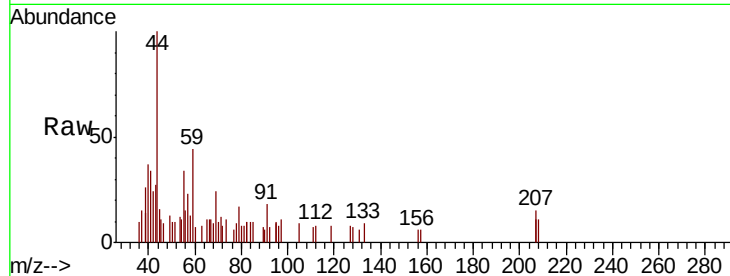


#11

Tert butyl alcohol
Concen: 3.795 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011910.D
Acq: 30 Aug 2019 15:30

Instrument :
MSVOA_X
ClientSampleId :
T1-2-D-(0)

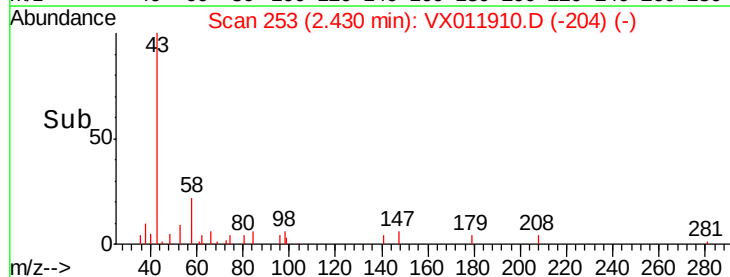
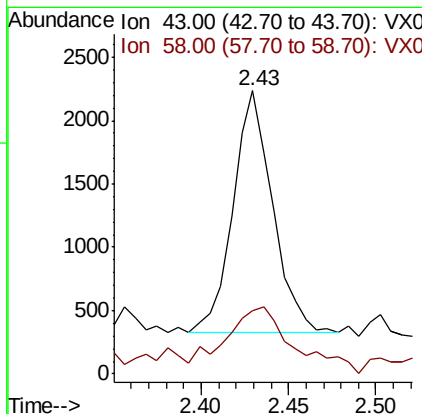
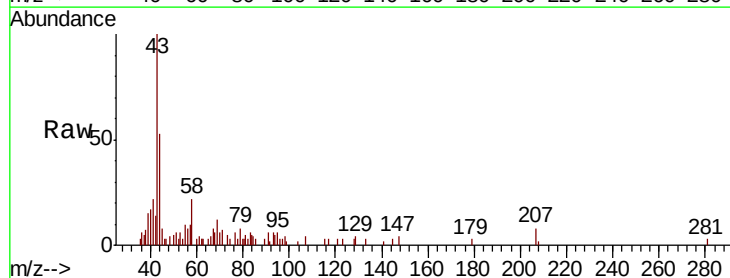
Tgt Ion: 59 Resp: 1487
Ion Ratio Lower Upper
59 100
57 8.9 8.6 12.8

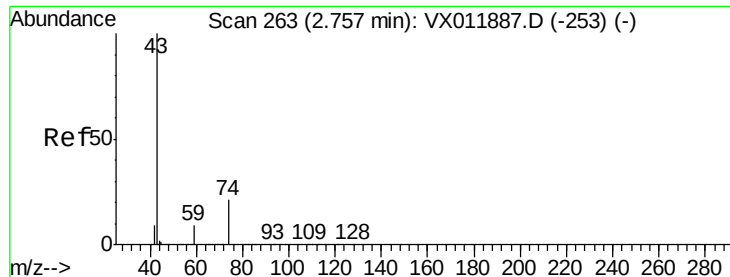


#16

Acetone
Concen: 3.444 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX011910.D
Acq: 30 Aug 2019 15:30

Tgt Ion: 43 Resp: 3018
Ion Ratio Lower Upper
43 100
58 21.8 23.8 35.8#

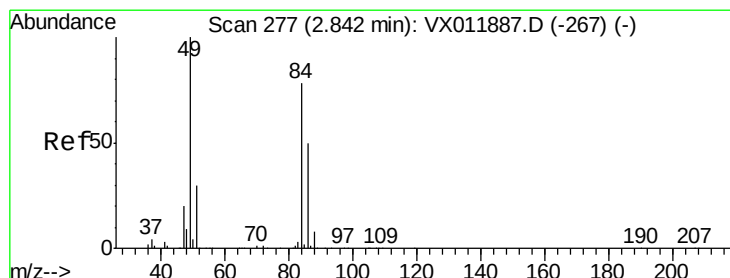
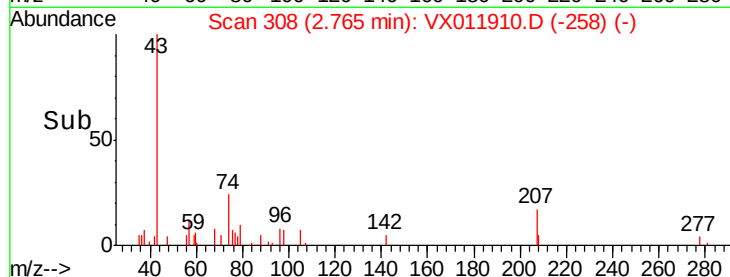
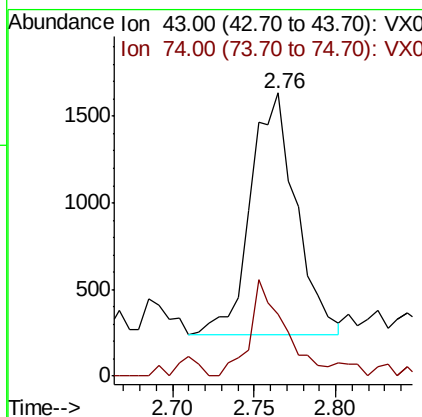
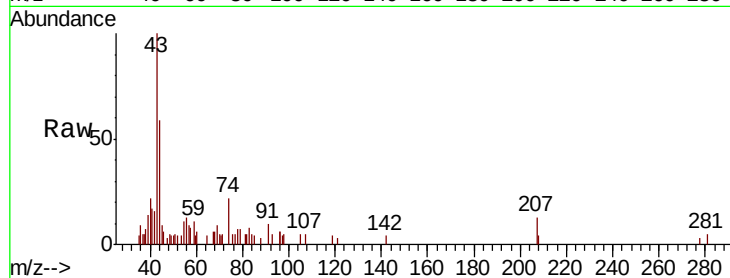




#18
Methyl Acetate
Concen: 1.114 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX011910.D
Acq: 30 Aug 2019 15:30

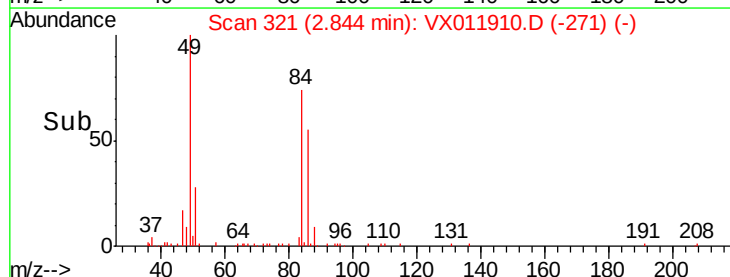
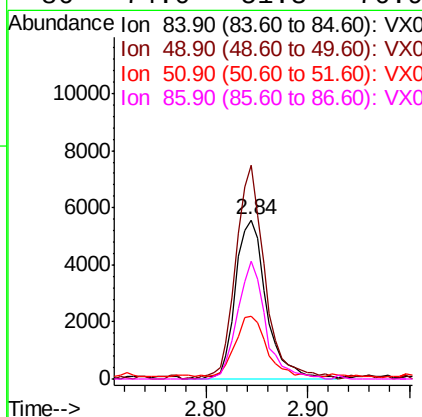
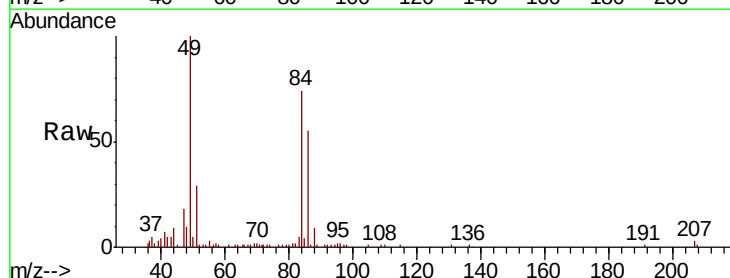
Instrument :
MSVOA_X
ClientSampleId :
T1-2-D-(0)

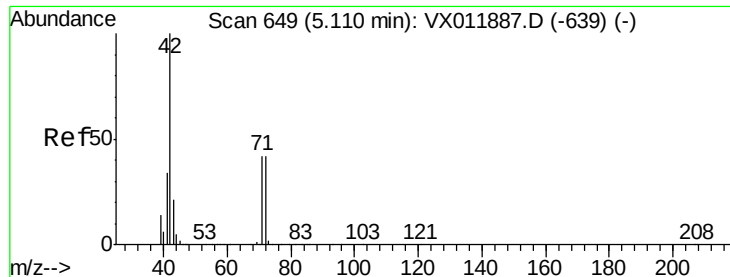
Tgt Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
74 31.0 18.4 27.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011910.D
Acq: 30 Aug 2019 15:30

Tgt Ion: 84 Resp: 11724
Ion Ratio Lower Upper
84 100
49 134.5 103.0 154.4
51 36.9 30.8 46.2
86 74.0 51.3 76.9





#29

Tetrahydrofuran

Concen: 10.892 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX011910.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

T1-2-D-(0)

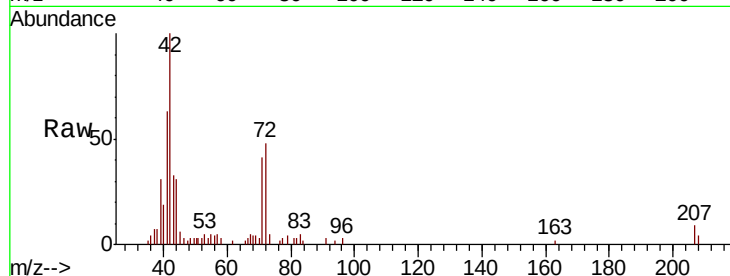
Tgt Ion: 42 Resp: 8676

Ion Ratio Lower Upper

42 100

72 47.3 36.2 54.4

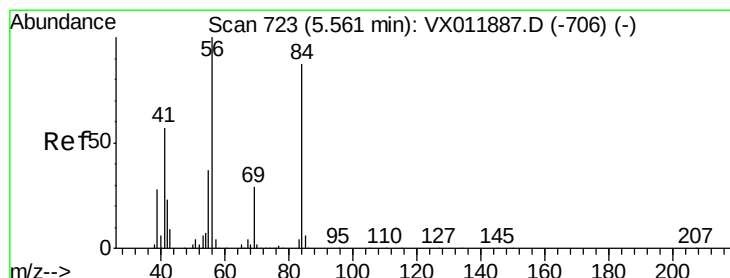
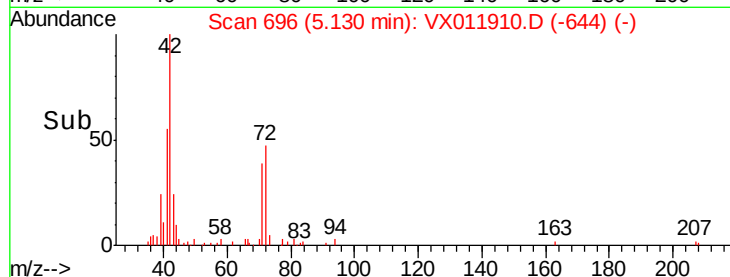
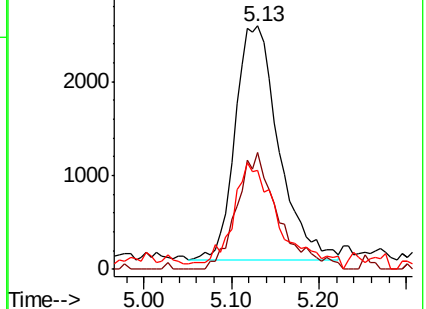
71 48.3 33.1 49.7



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



#31

Cyclohexane

Concen: 1.352 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX011910.D

Acq: 30 Aug 2019 15:30

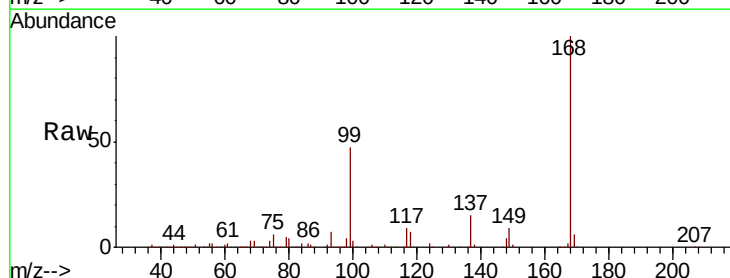
Tgt Ion: 56 Resp: 6877

Ion Ratio Lower Upper

56 100

69 175.5 23.1 34.7#

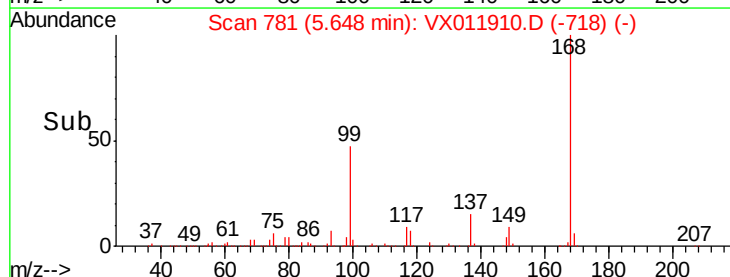
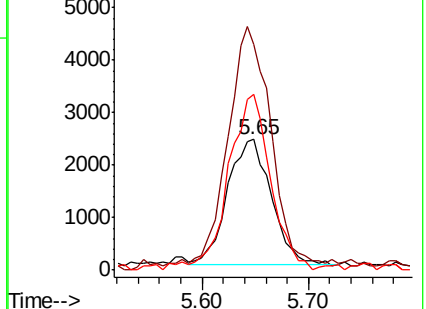
84 136.5 69.6 104.4#

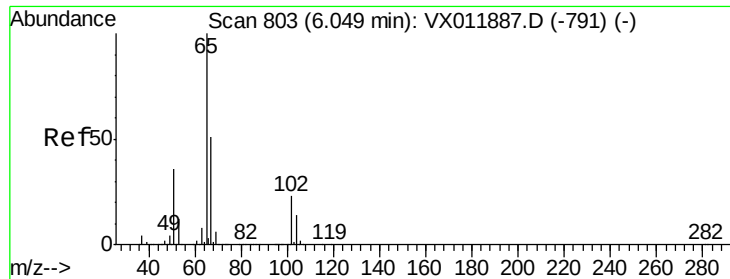


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.769 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011910.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

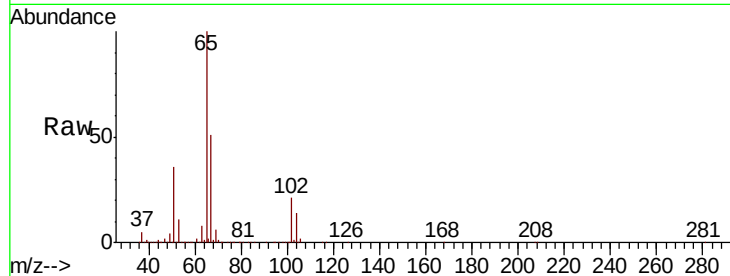
T1-2-D-(0)

Tgt Ion: 65 Resp: 190473

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

80000

60000

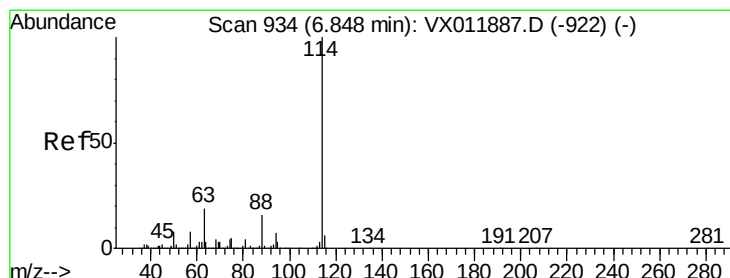
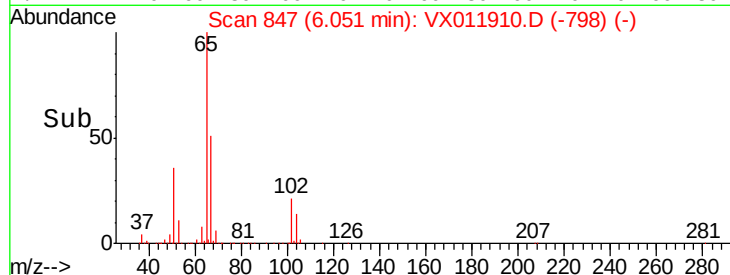
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011910.D

Acq: 30 Aug 2019 15:30

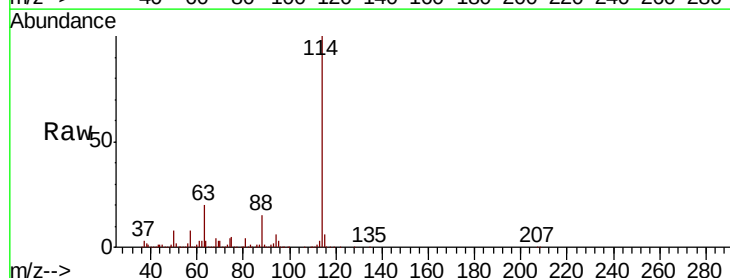
Tgt Ion: 114 Resp: 566342

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 15.2 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

6.85

300000

250000

200000

150000

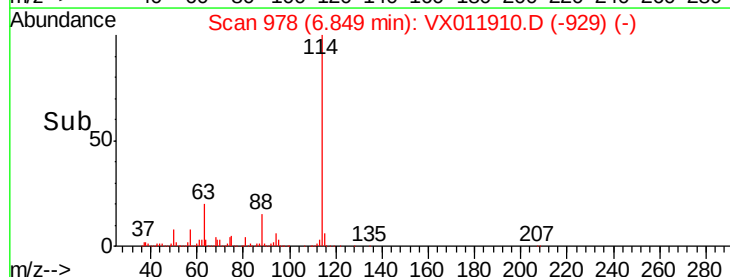
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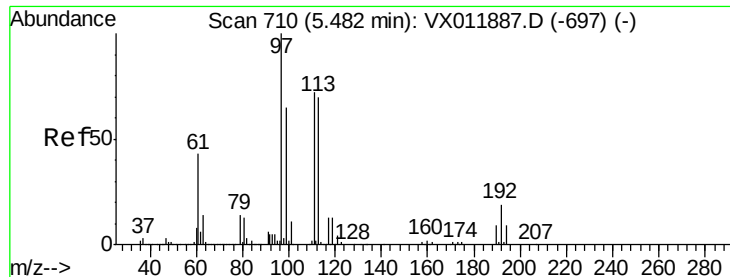
50000

0

6.70 6.80 6.90 7.00

Time-->

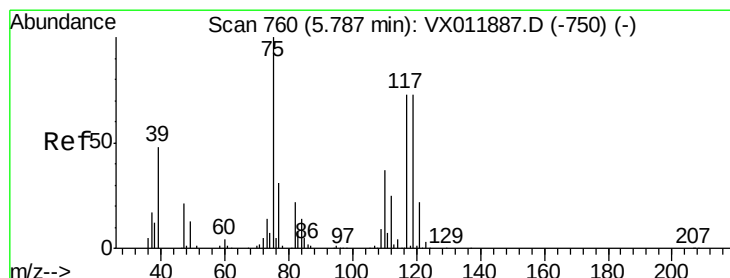
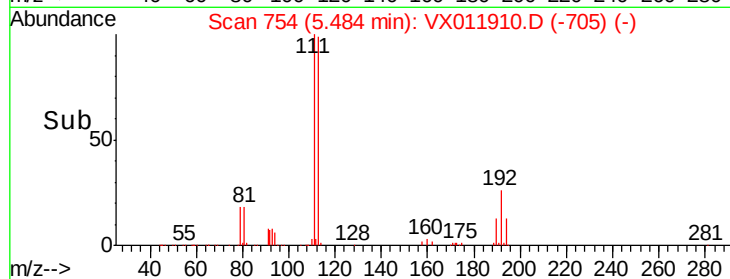
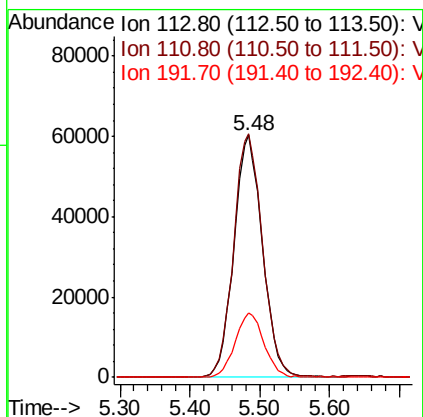
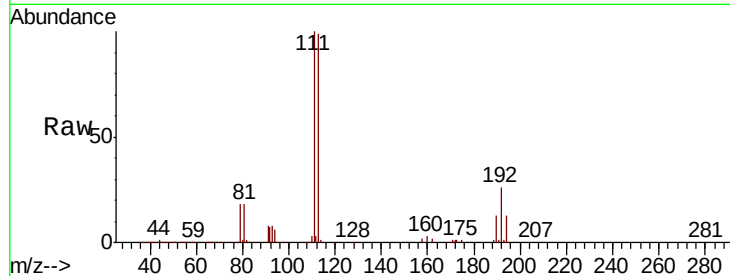




#35
 Dibromofluoromethane
 Concen: 46.950 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011910.D
 Acq: 30 Aug 2019 15:30

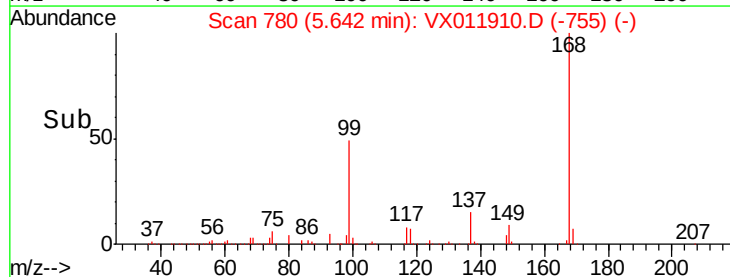
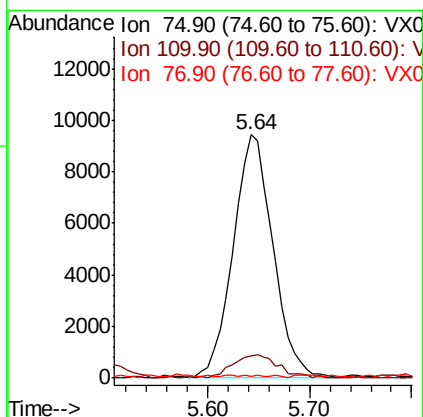
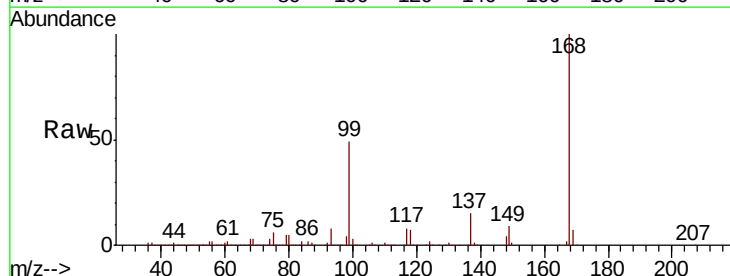
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-D-(0)

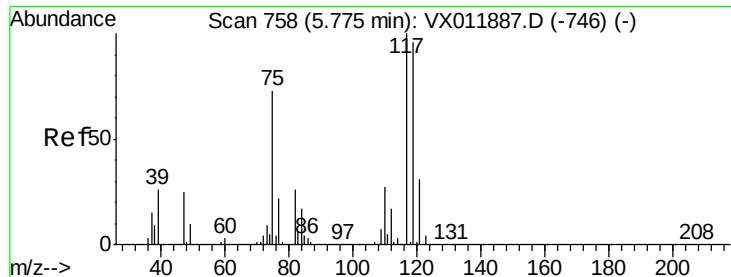
Tgt Ion:113 Resp: 170504
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.1 123.1
 192 26.9 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 5.719 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.14 min
 Lab File: VX011910.D
 Acq: 30 Aug 2019 15:30

Tgt Ion: 75 Resp: 25658
 Ion Ratio Lower Upper
 75 100
 110 11.1 19.1 57.3#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.990 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011910.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

T1-2-D-(0)

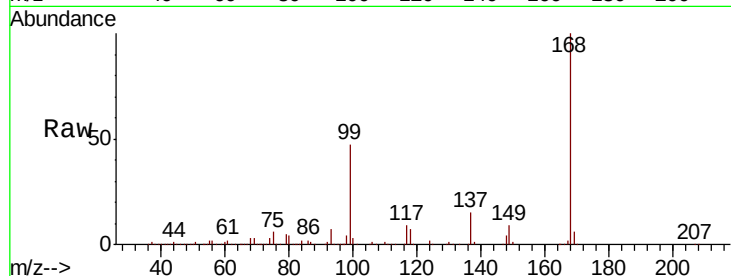
Tgt Ion:117 Resp: 36375

Ion Ratio Lower Upper

117 100

119 5.1 76.6 114.8#

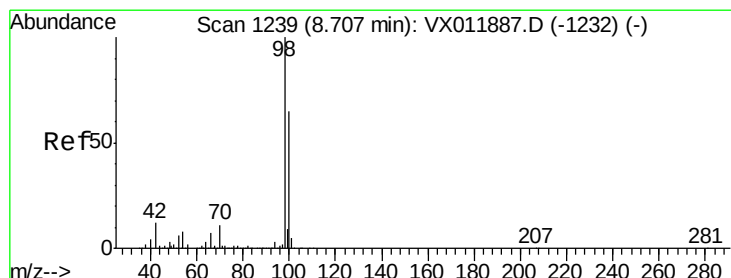
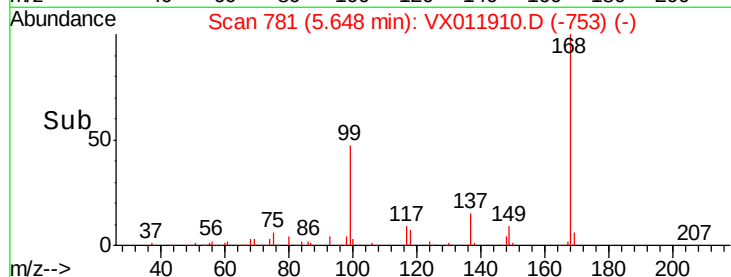
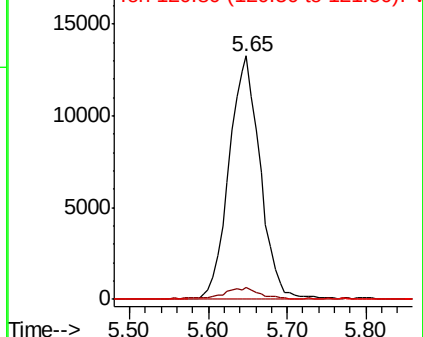
121 0.0 24.7 37.1#



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: 50.622 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011910.D

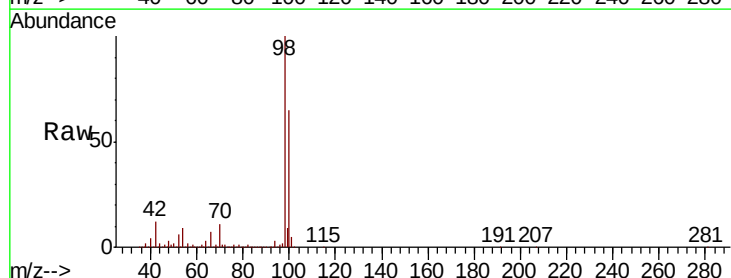
Acq: 30 Aug 2019 15:30

Tgt Ion: 98 Resp: 657167

Ion Ratio Lower Upper

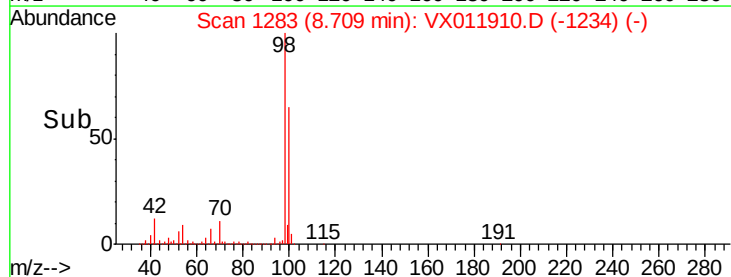
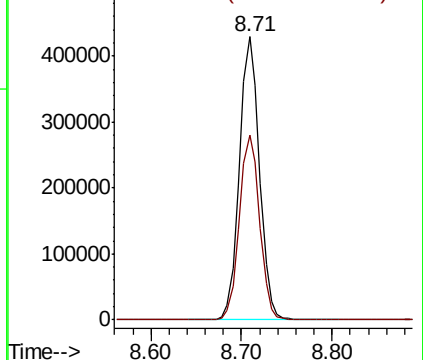
98 100

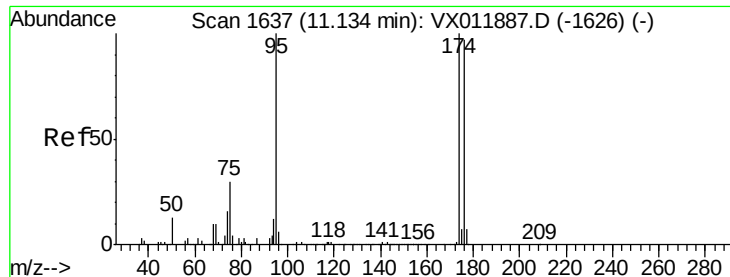
100 66.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.731 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011910.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_X

ClientSampled :

T1-2-D-(0)

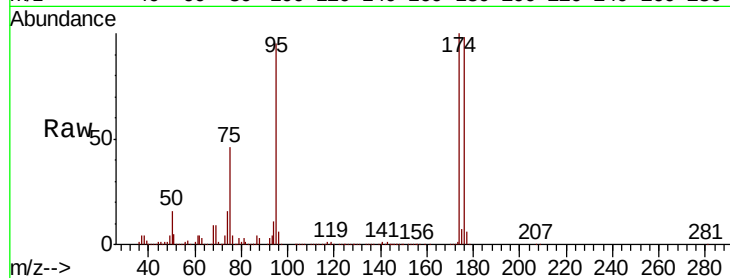
Tgt Ion: 95 Resp: 237646

Ion Ratio Lower Upper

95 100

174 98.8 0.0 196.0

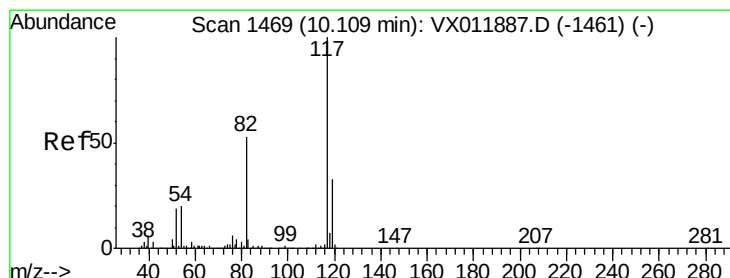
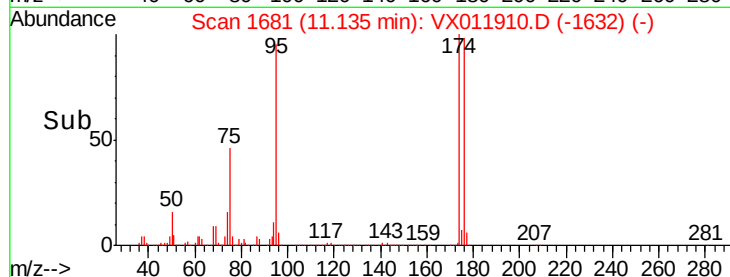
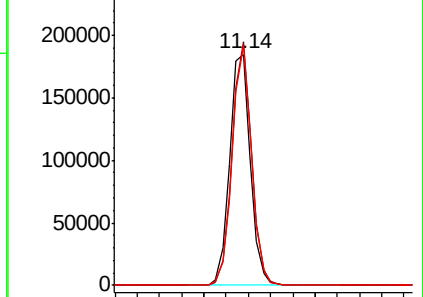
176 96.7 0.0 191.4



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: VX011910.D

Acq: 30 Aug 2019 15:30

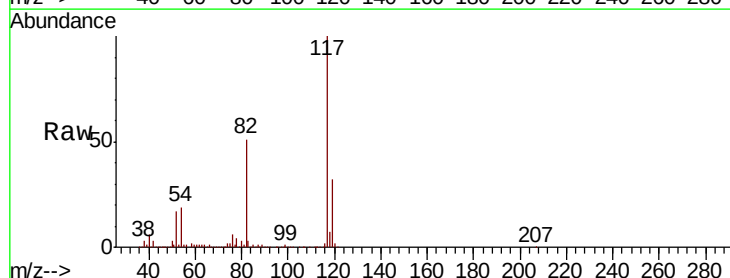
Tgt Ion: 117 Resp: 508743

Ion Ratio Lower Upper

117 100

82 50.6 42.0 63.0

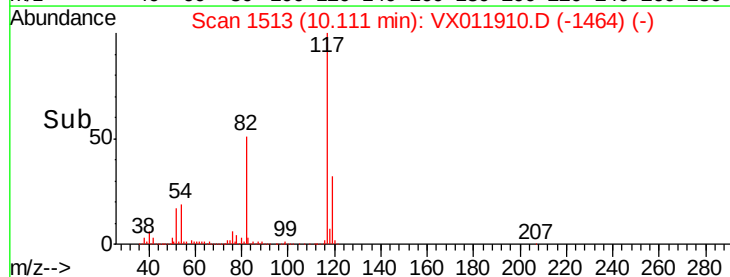
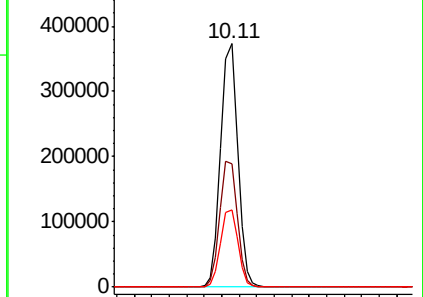
119 31.6 26.2 39.4

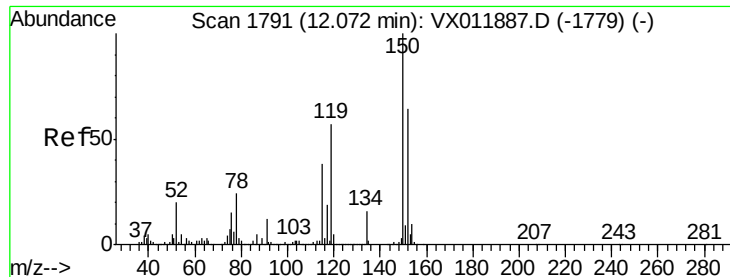


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

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

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



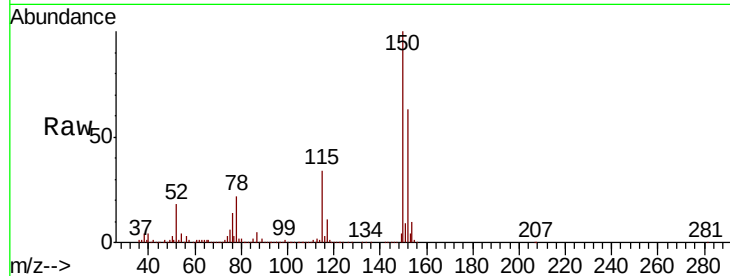


#72

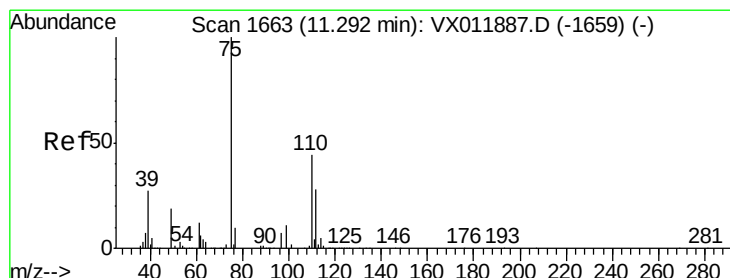
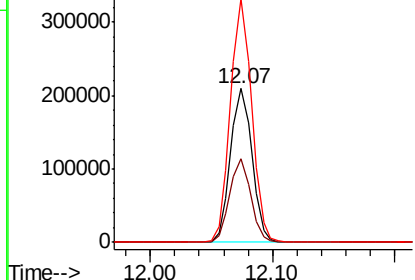
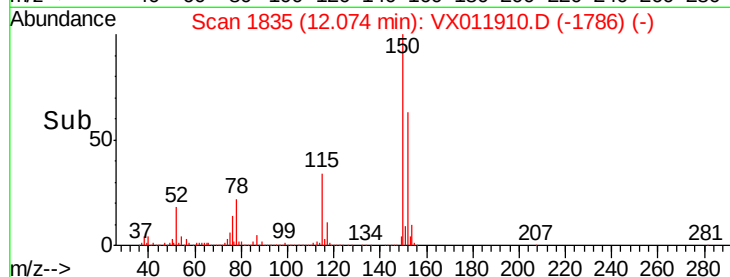
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011910.D
Acq: 30 Aug 2019 15:30

Instrument :
MSVOA_X
ClientSampleId :
T1-2-D-(0)

Tgt Ion: 152 Resp: 254463
Ion Ratio Lower Upper
152 100
115 53.5 37.1 111.3
150 155.9 0.0 339.6



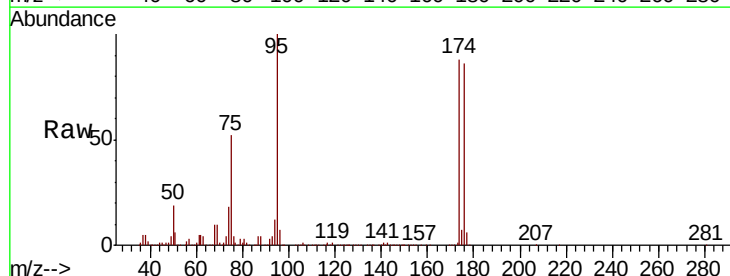
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



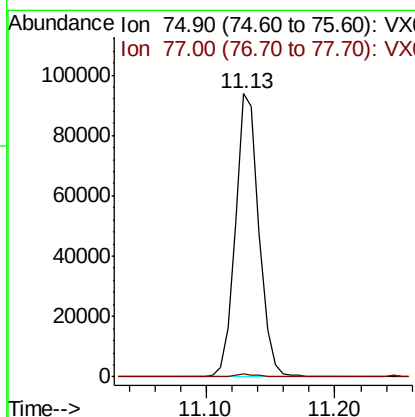
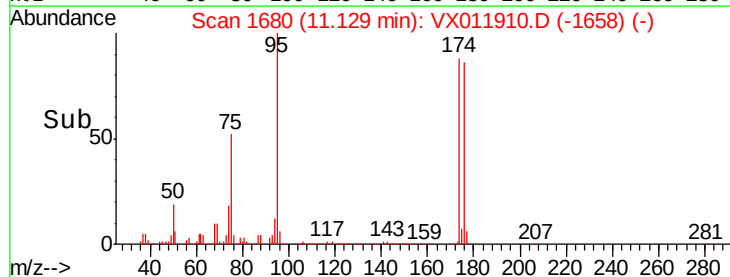
#76

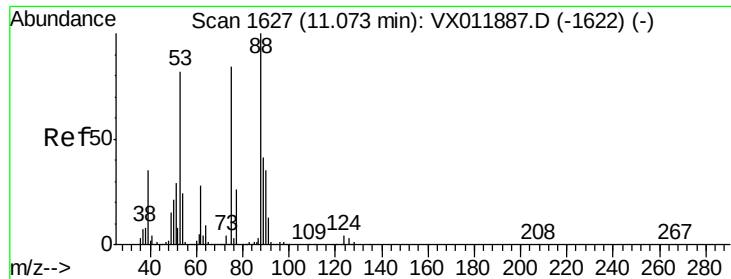
1,2,3-Trichloropropane
Concen: 47.486 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011910.D
Acq: 30 Aug 2019 15:30

Tgt Ion: 75 Resp: 118865
Ion Ratio Lower Upper
75 100
77 1.2 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: 119.293 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011910.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

T1-2-D-(0)

Tgt Ion: 75 Resp: 118865

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.2 57.2#

