

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012759.D
 Acq On : 02 Oct 2019 14:29
 Operator : JC/SP
 Sample : K5110-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Oct 03 11:38:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	165745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289143	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88587	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	118678	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.49	113	88274	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
50) Toluene-d8	8.71	98	340915	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.14	95	108888	41.76	ug/l	0.00
Spiked Amount			Recovery	=	83.52%	

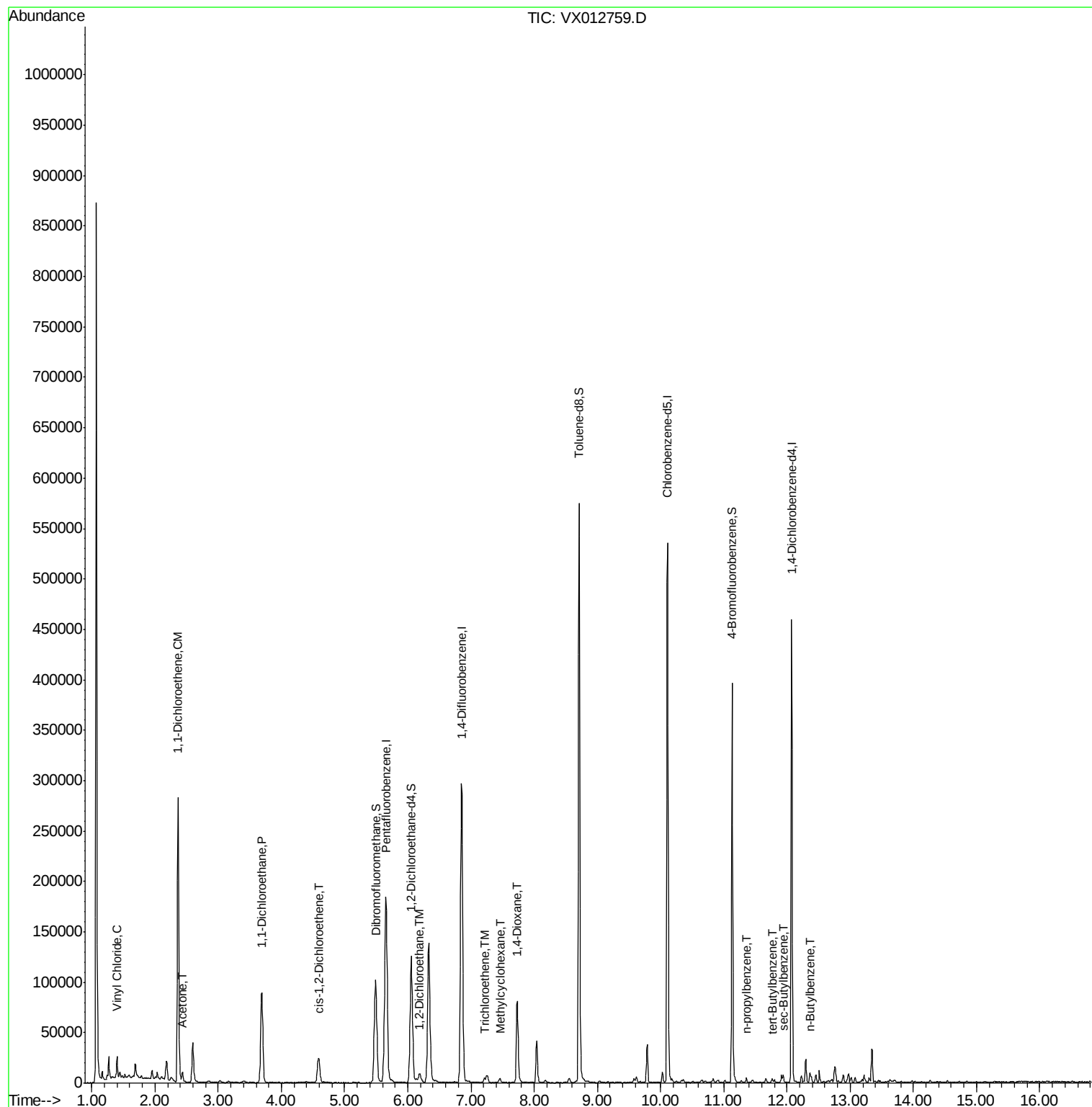
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	11936	5.609	ug/l	93
12) 1,1-Dichloroethene	2.36	96	96867	54.357	ug/l	99
16) Acetone	2.44	43	10243	8.012	ug/l	99
24) 1,1-Dichloroethane	3.69	63	100765	27.134	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	15891	6.937	ug/l	84
39) Methylcyclohexane	7.45	83	1660	0.495	ug/l #	74
42) 1,2-Dichloroethane	6.18	62	9747	3.130	ug/l	97
44) Trichloroethene	7.22	130	1821	0.869	ug/l	93
49) 1,4-Dioxane	7.73	88	60095	1014.064	ug/l #	93
78) n-propylbenzene	11.35	91	2827	0.348	ug/l	96
83) tert-Butylbenzene	11.76	119	1836	0.315	ug/l	89
85) sec-Butylbenzene	11.94	105	3817	0.562	ug/l	98
89) n-Butylbenzene	12.38	91	2751	0.510	ug/l #	66

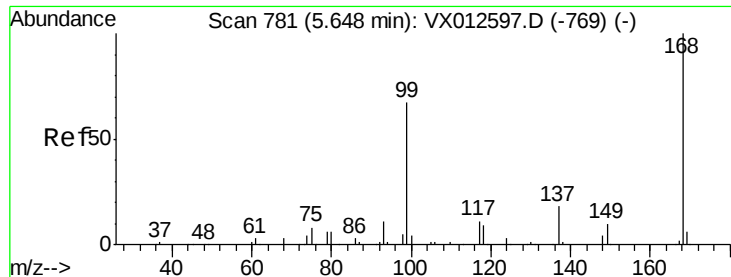
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

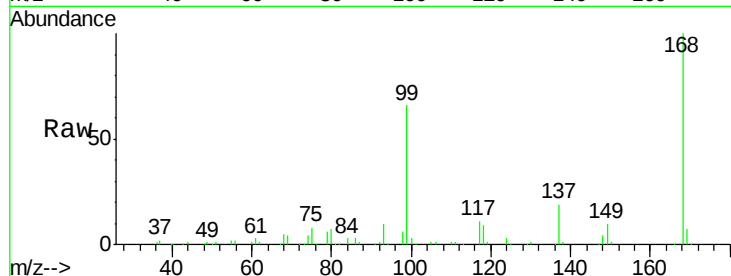
MW-2

Tot Ion:168 Resp: 165745

Ion Ratio Lower Upper

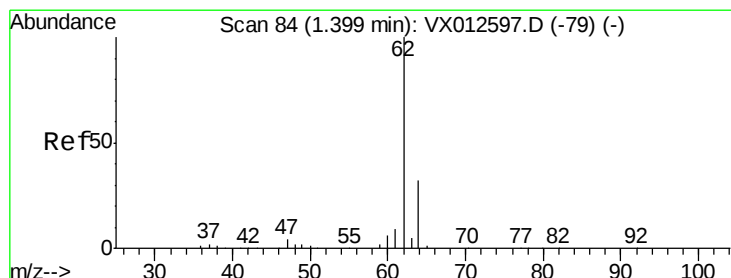
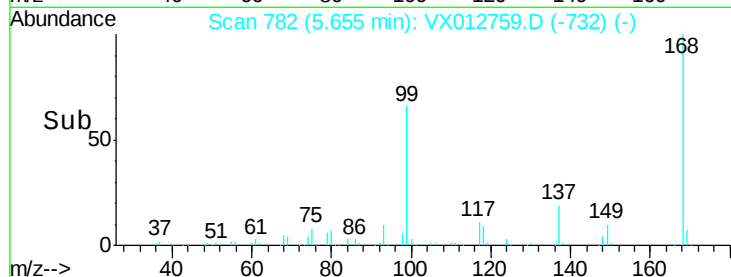
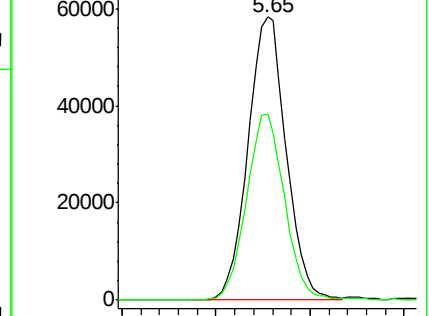
168 100

99 65.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 5.609 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012759.D

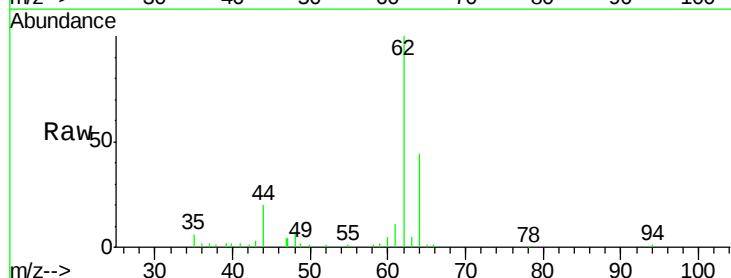
Acq: 02 Oct 2019 14:29

Tgt Ion: 62 Resp: 11936

Ion Ratio Lower Upper

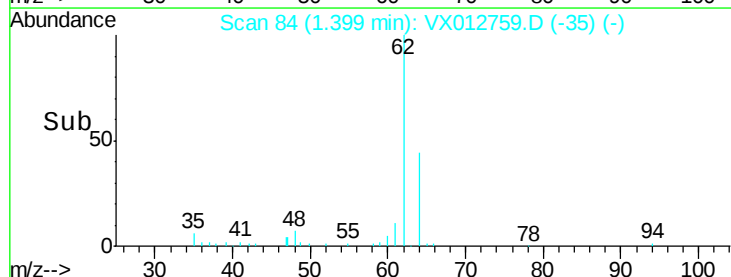
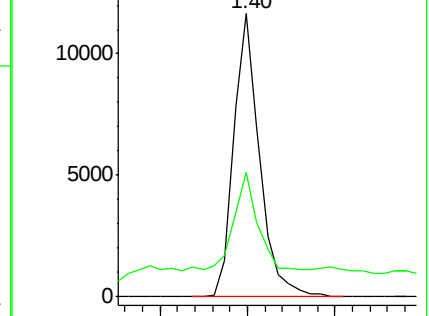
62 100

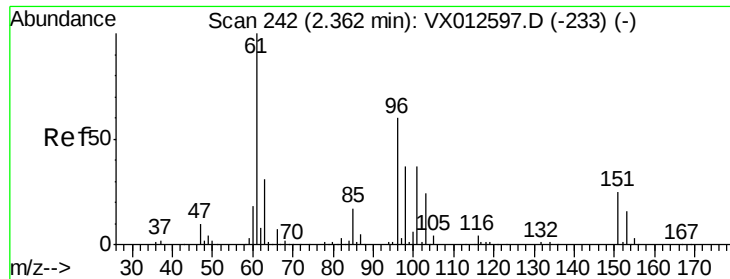
64 34.3 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 54.357 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

MW-2

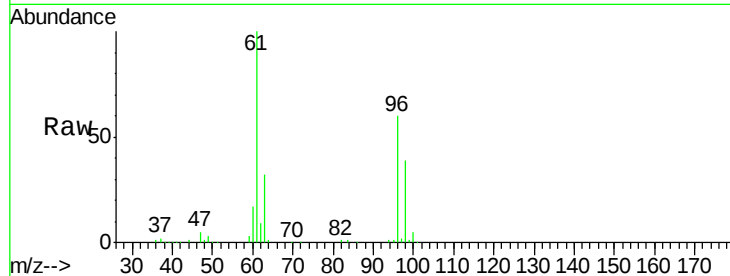
Tot Ion: 96 Resp: 96867

Ion Ratio Lower Upper

96 100

61 167.8 133.8 200.6

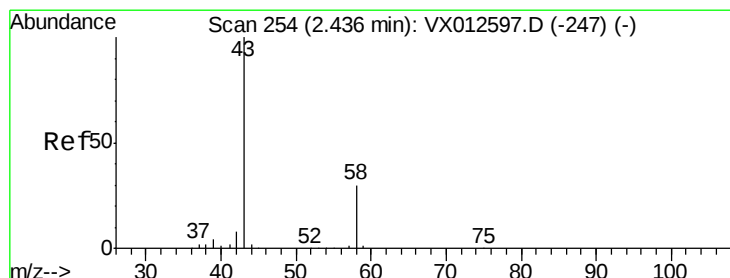
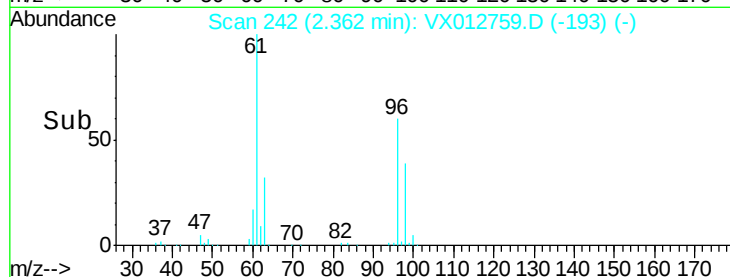
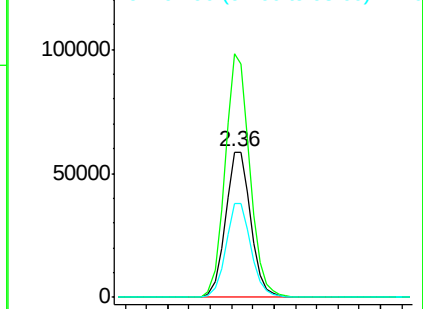
98 64.9 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 8.012 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012759.D

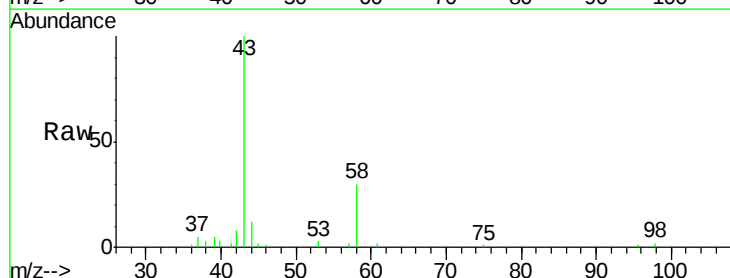
Acq: 02 Oct 2019 14:29

Tgt Ion: 43 Resp: 10243

Ion Ratio Lower Upper

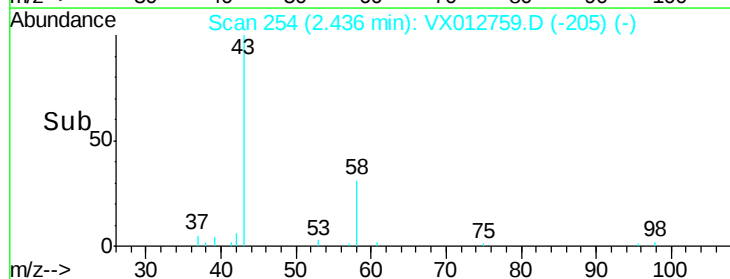
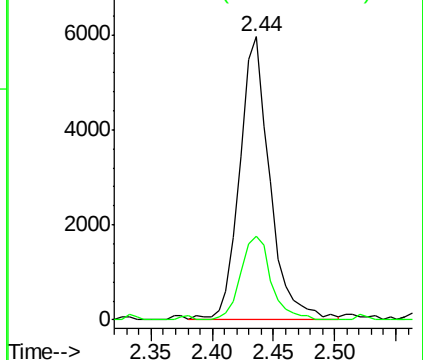
43 100

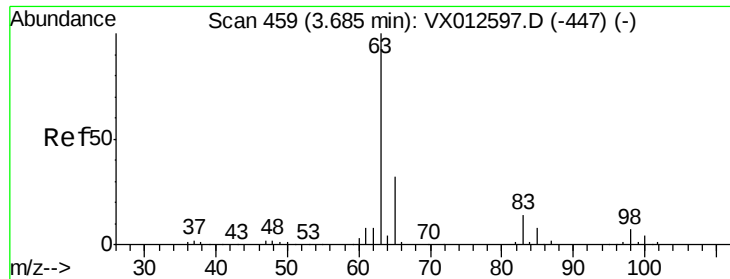
58 29.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

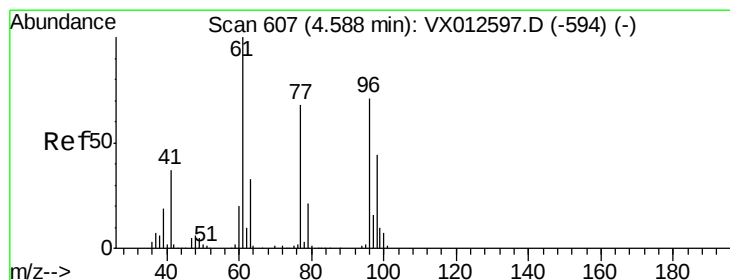
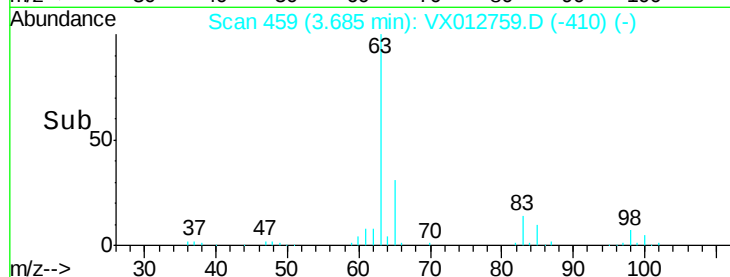
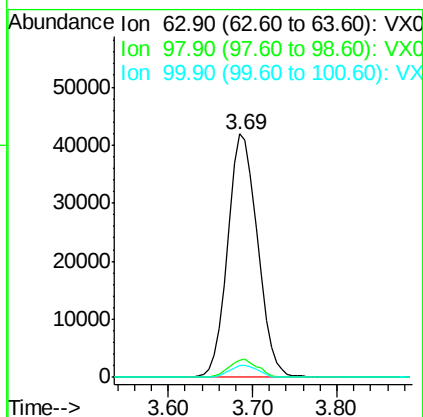
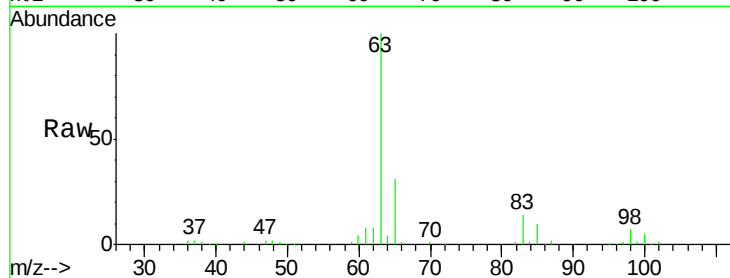




#24
 1,1-Dichloroethane
 Concen: 27.134 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012759.D
 Acq: 02 Oct 2019 14:29

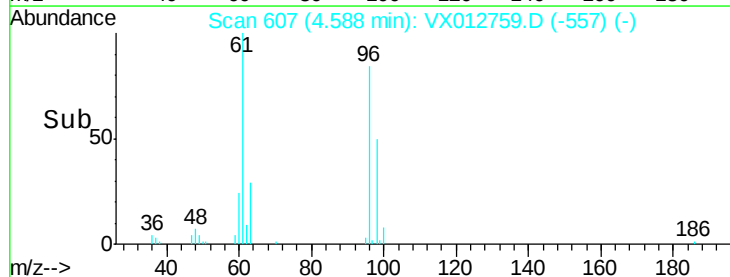
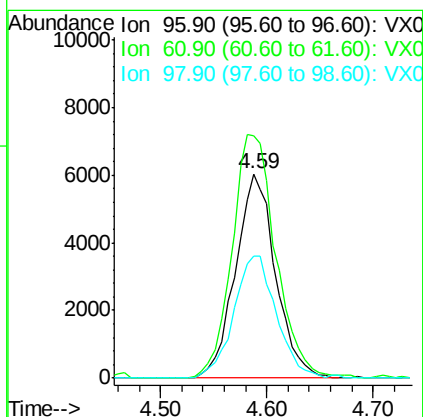
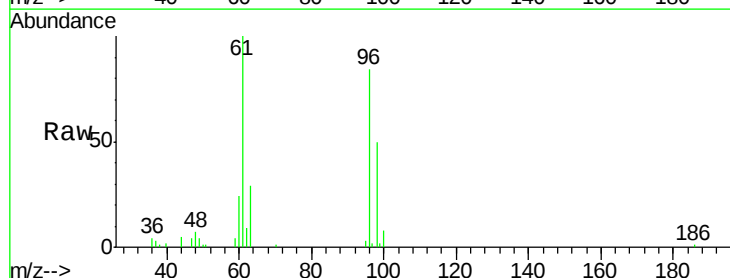
Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

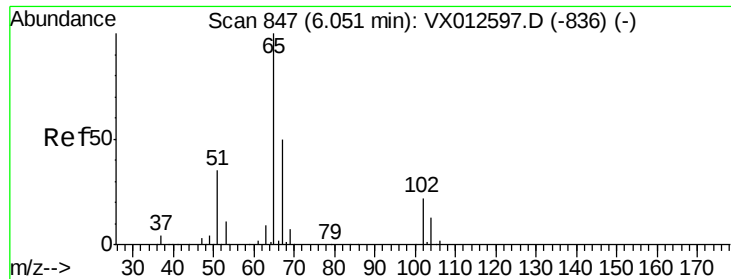
Tot Ion: 63 Resp: 100765
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.9 11.7
 100 4.7 2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 6.937 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012759.D
 Acq: 02 Oct 2019 14:29

Tgt Ion: 96 Resp: 15891
 Ion Ratio Lower Upper
 96 100
 61 130.8 0.0 319.4
 98 63.8 0.0 130.6





#33

1,2-Dichloroethane-d4

Concen: 49.171 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

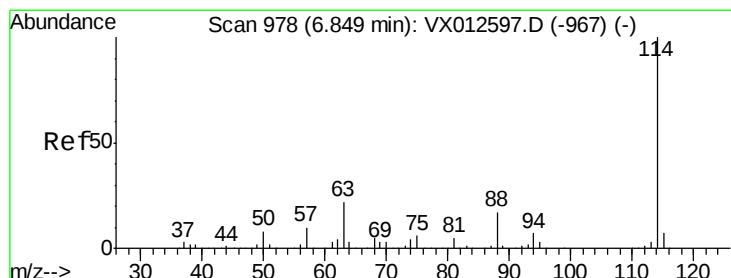
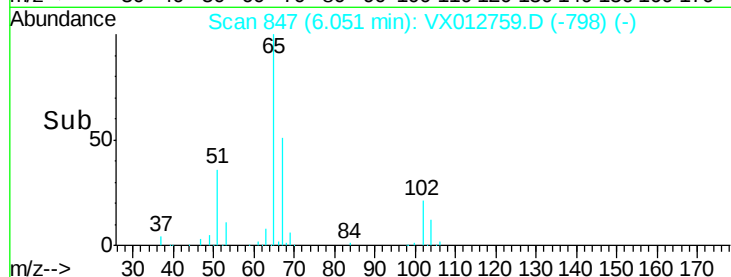
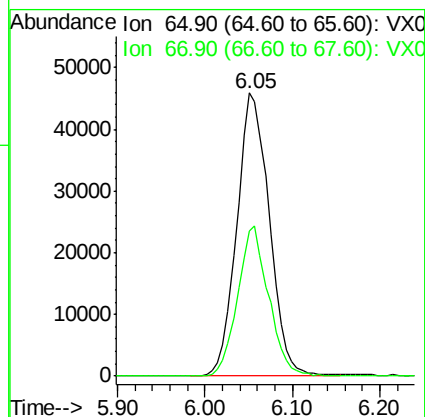
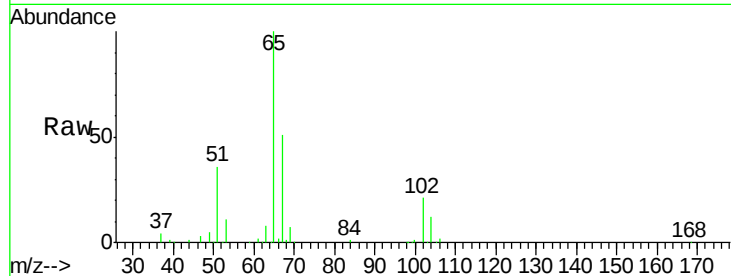
MW-2

Tot Ion: 65 Resp: 118678

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

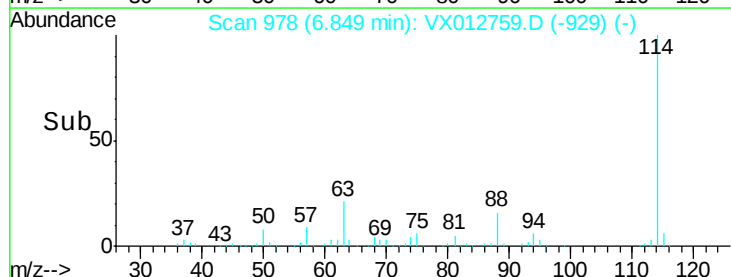
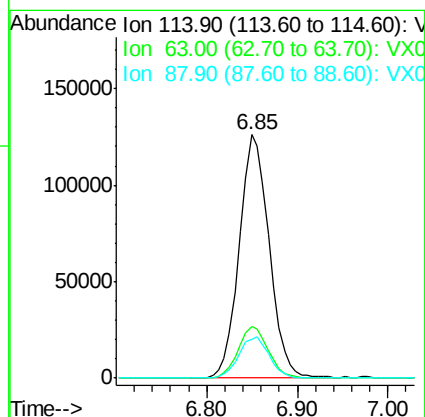
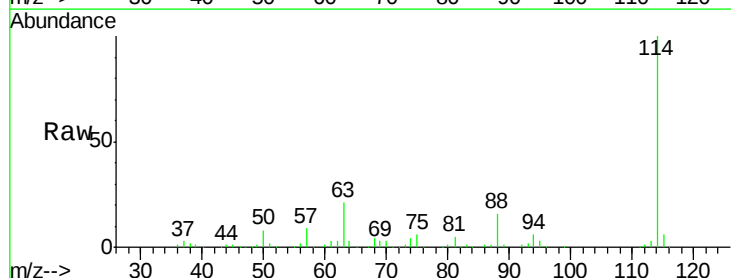
Tgt Ion: 114 Resp: 289143

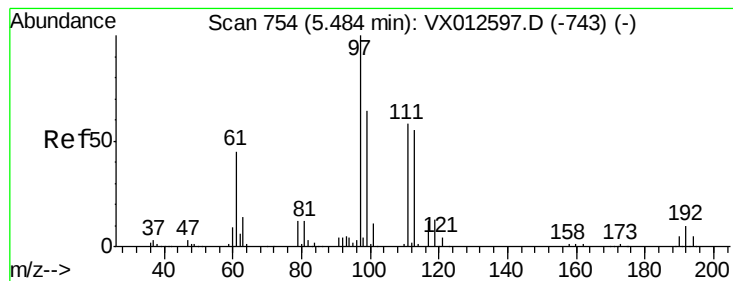
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.263 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW-2

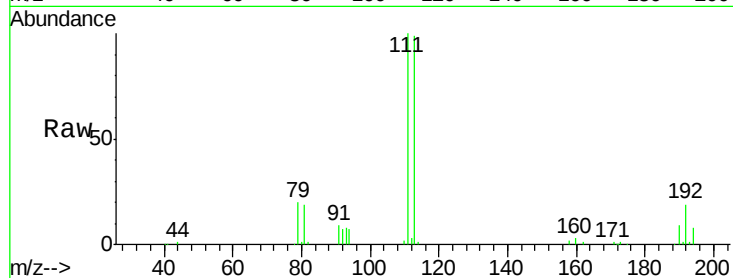
Tot Ion:113 Resp: 88274

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

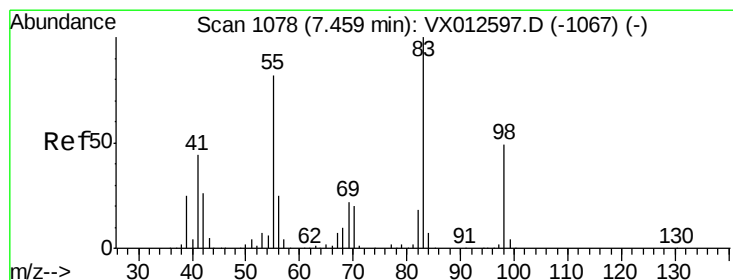
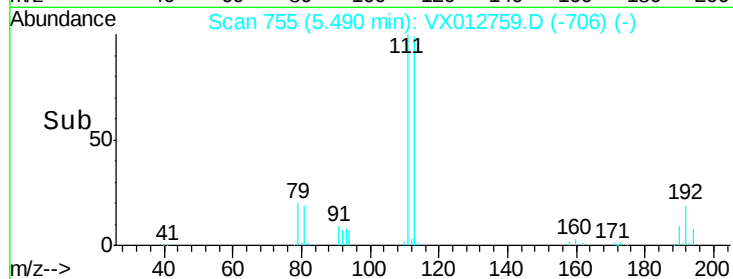
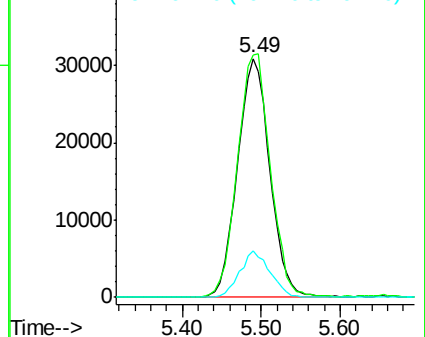
192 18.1 14.4 21.6



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



#39

Methylcyclohexane

Concen: 0.495 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

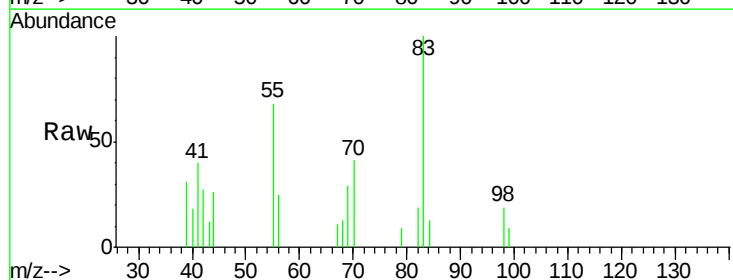
Tgt Ion: 83 Resp: 1660

Ion Ratio Lower Upper

83 100

55 67.8 64.4 96.6

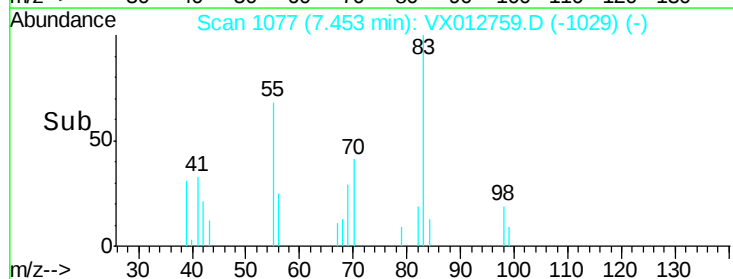
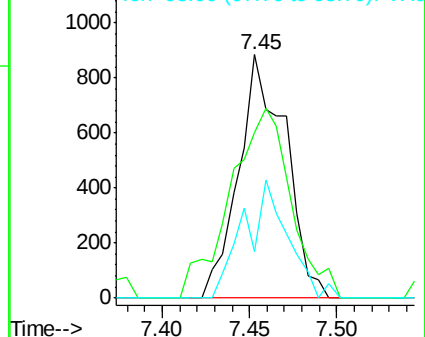
98 18.9 40.1 60.1#

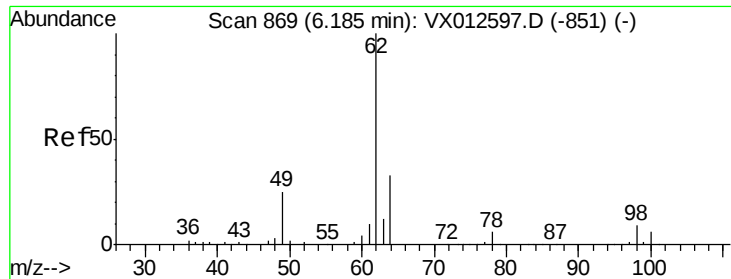


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#42

1,2-Dichloroethane

Concen: 3.130 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

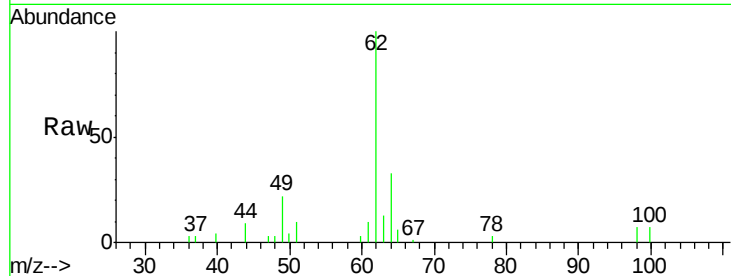
MW-2

Tot Ion: 62 Resp: 9747

Ion Ratio Lower Upper

62 100

98 9.8 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.18

4000

3000

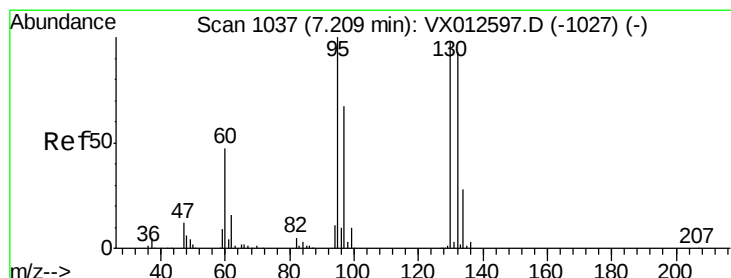
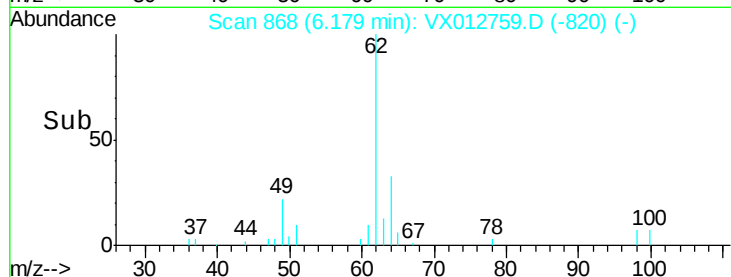
2000

1000

0

Time-->

6.10 6.20 6.30



#44

Trichloroethene

Concen: 0.869 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012759.D

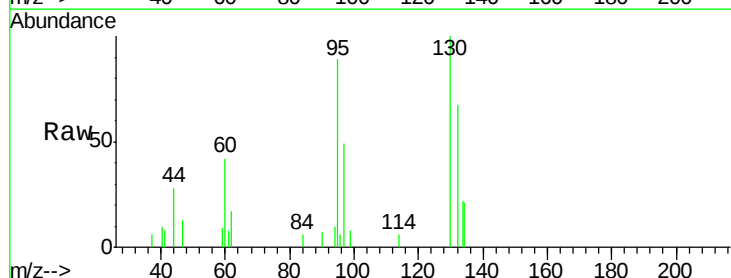
Acq: 02 Oct 2019 14:29

Tgt Ion:130 Resp: 1821

Ion Ratio Lower Upper

130 100

95 89.2 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1200

1000

800

600

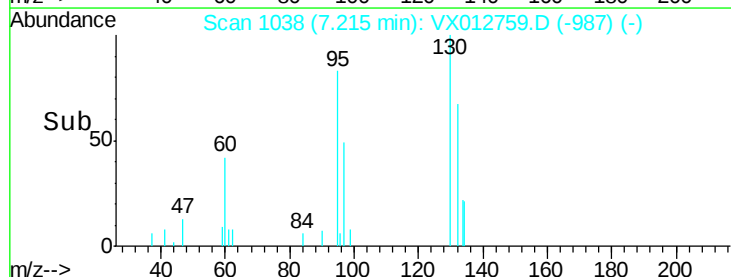
400

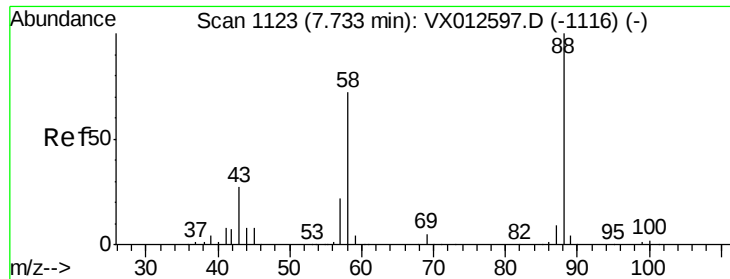
200

0

Time-->

7.15 7.20 7.25

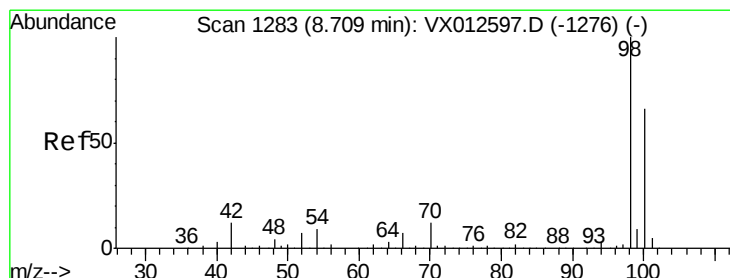
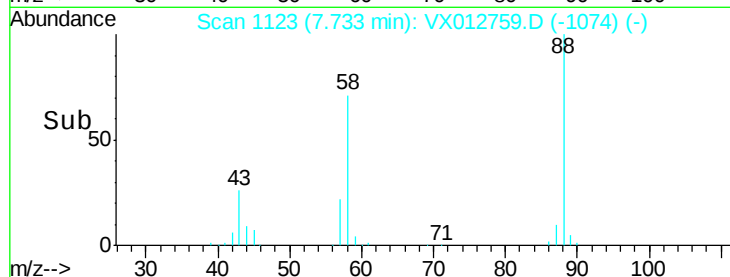
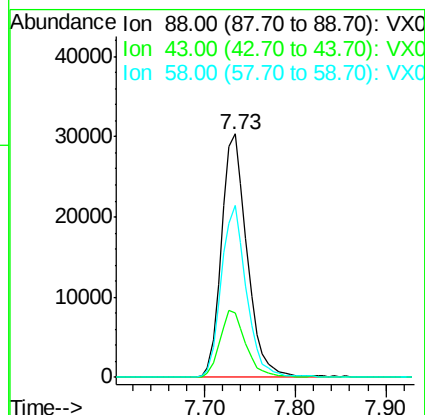
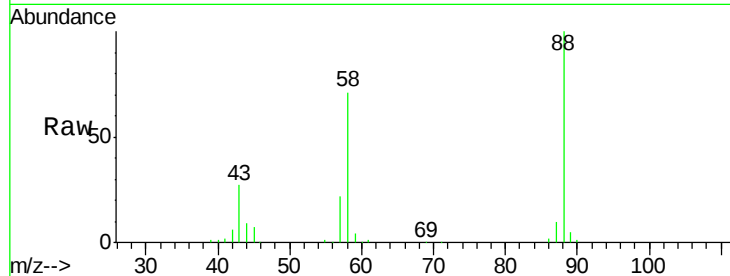




#49
1,4-Dioxane
Concen: 1014.064 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012759.D
Acq: 02 Oct 2019 14:29

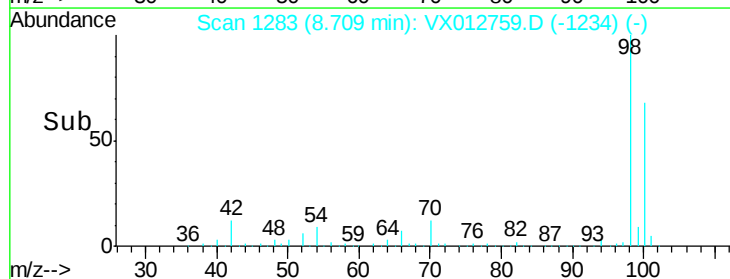
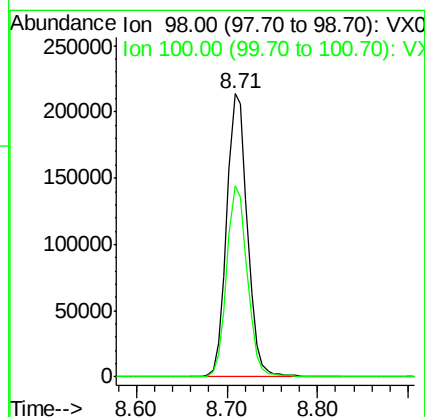
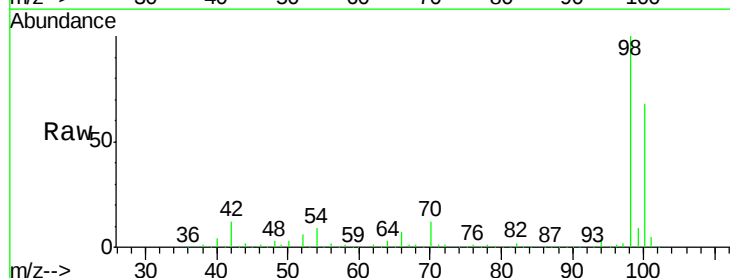
Instrument :
MSVOA_X
ClientSampleId :
MW-2

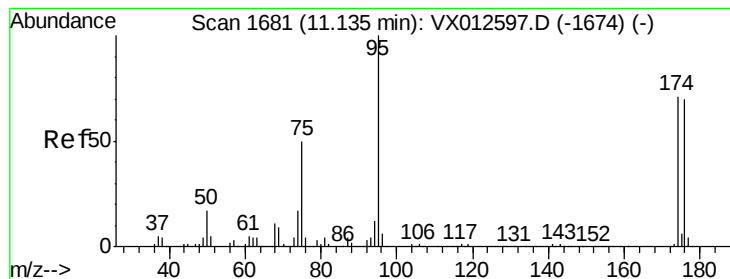
Tot Ion: 88 Resp: 60095
Ion Ratio Lower Upper
88 100
43 27.8 29.4 44.0#
58 69.3 57.5 86.3



#50
Toluene-d8
Concen: 51.409 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012759.D
Acq: 02 Oct 2019 14:29

Tgt Ion: 98 Resp: 340915
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 41.760 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

MW-2

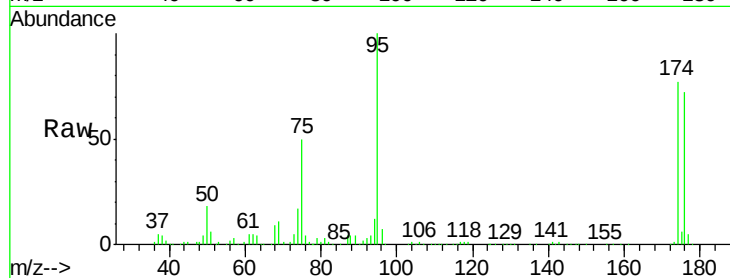
Tot Ion: 95 Resp: 108888

Ion Ratio Lower Upper

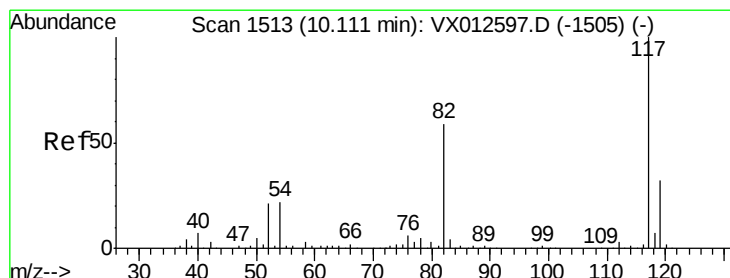
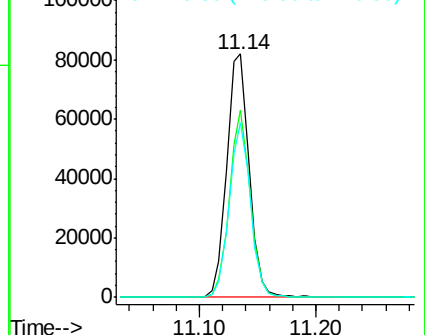
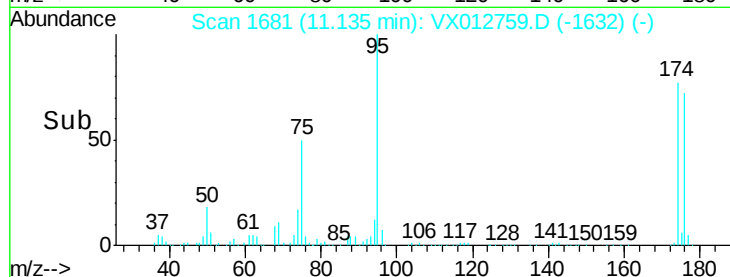
95 100

174 71.7 0.0 140.0

176 68.3 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012759.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

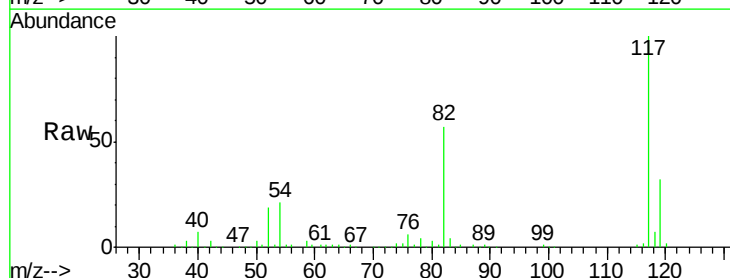
Tgt Ion: 117 Resp: 243248

Ion Ratio Lower Upper

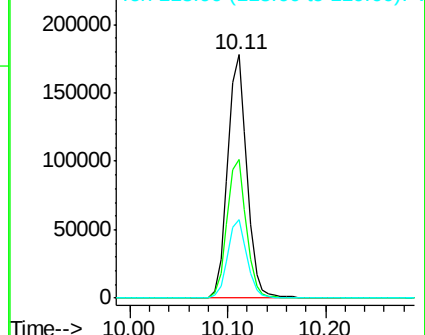
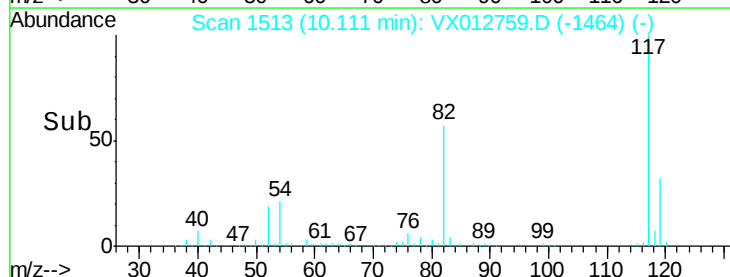
117 100

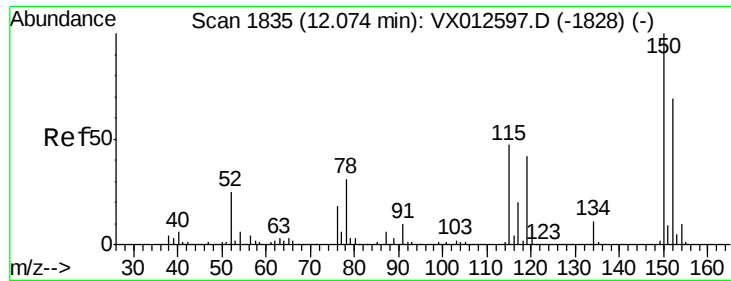
82 56.8 45.9 68.9

119 32.1 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX012759.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

MW-2

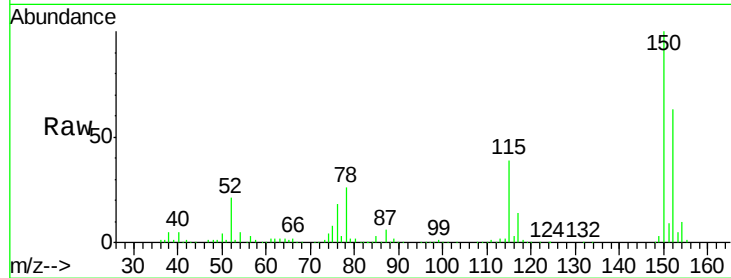
Tot Ion:152 Resp: 88587

Ion Ratio Lower Upper

152 100

115 63.7 44.1 132.3

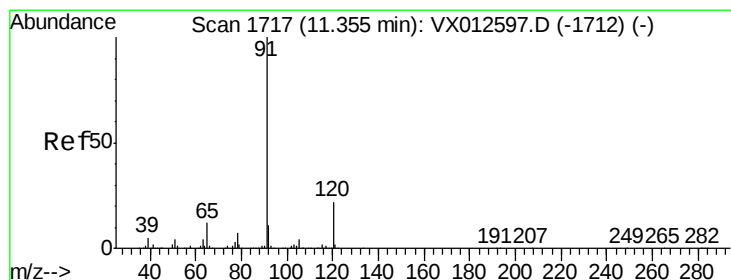
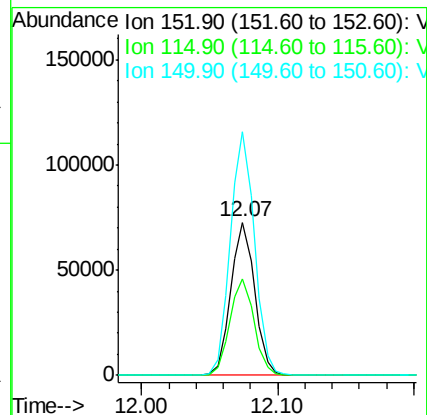
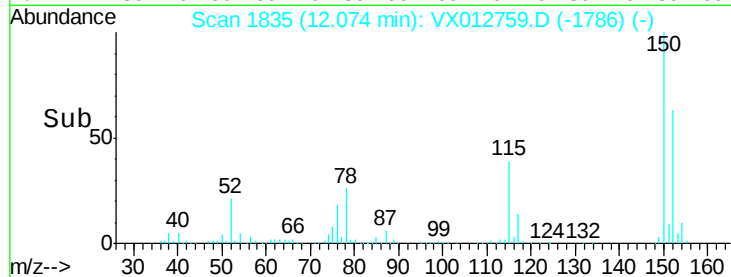
150 160.6 0.0 343.8



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



#78

n-propylbenzene

Concen: 0.348 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012759.D

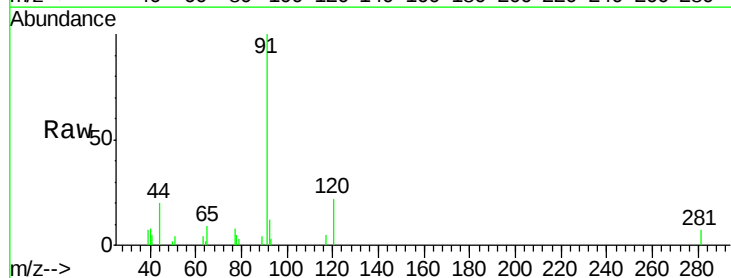
Acq: 02 Oct 2019 14:29

Tgt Ion: 91 Resp: 2827

Ion Ratio Lower Upper

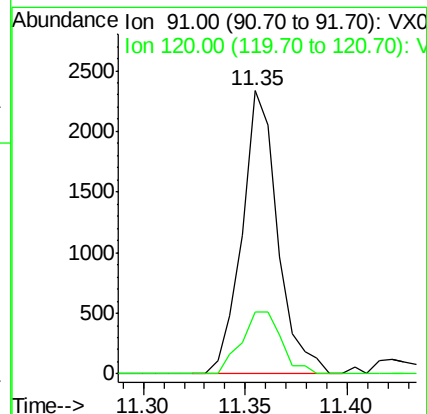
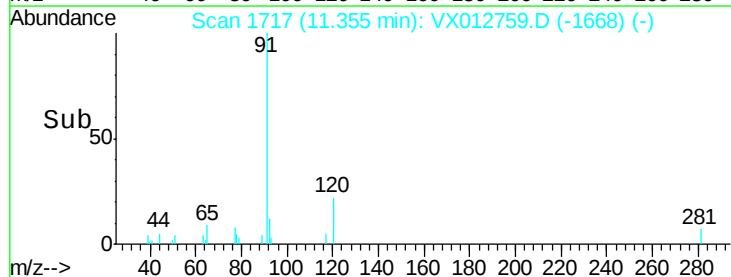
91 100

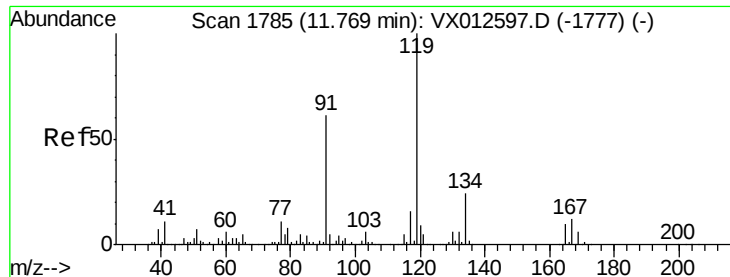
120 24.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

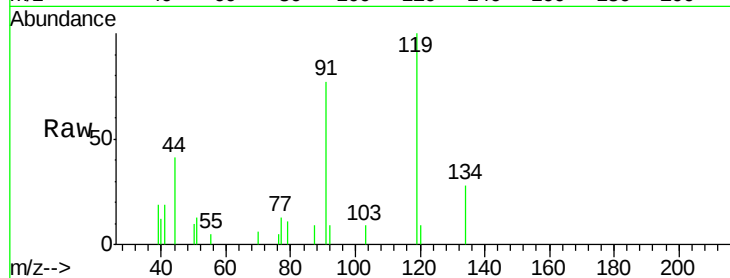




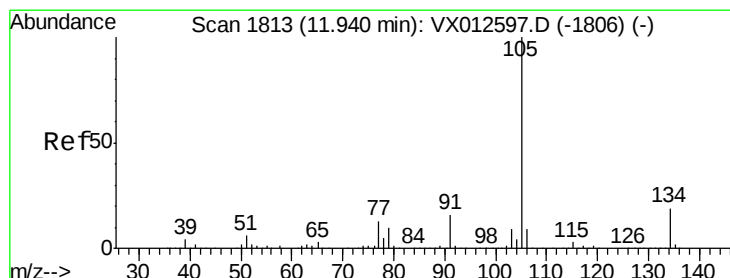
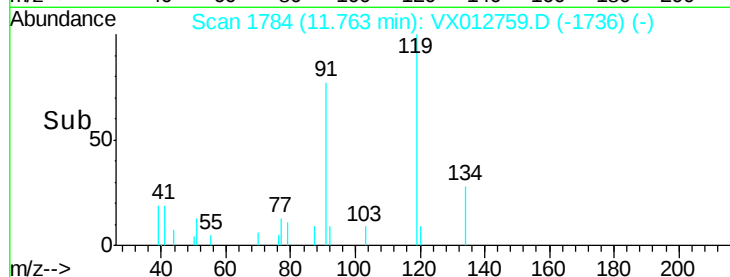
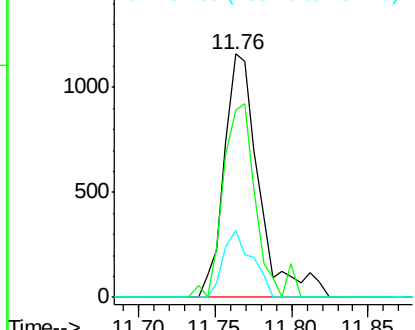
#83
tert-Butylbenzene
Concen: 0.315 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012759.D
Acq: 02 Oct 2019 14:29

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:119 Resp: 1836
Ion Ratio Lower Upper
119 100
91 70.9 30.0 90.0
134 22.5 11.3 33.9

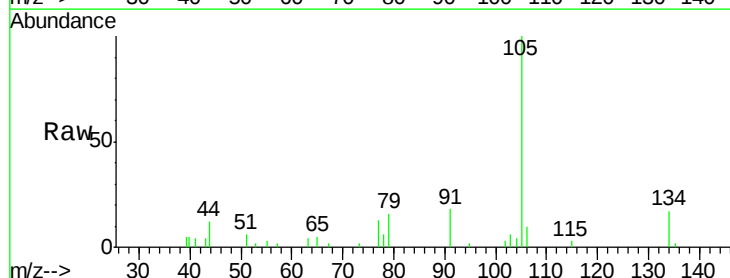


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

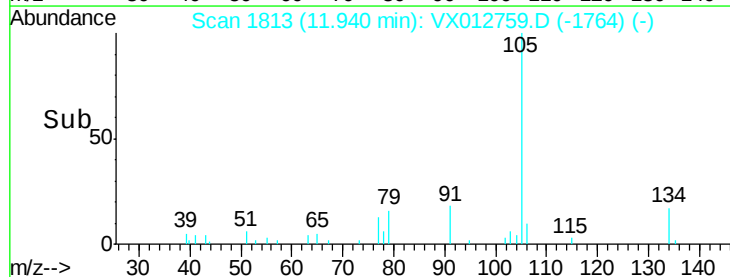
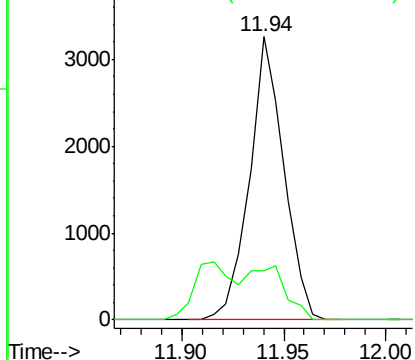


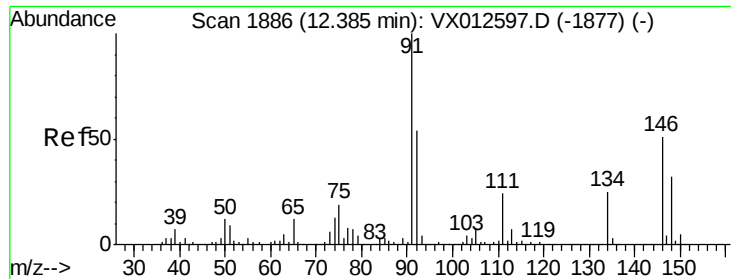
#85
sec-Butylbenzene
Concen: 0.562 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX012759.D
Acq: 02 Oct 2019 14:29

Tgt Ion:105 Resp: 3817
Ion Ratio Lower Upper
105 100
134 20.6 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 0.510 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX012759.D

Acq: 02 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 91 Resp: 2751

Ion Ratio Lower Upper

91 100

92 35.4 27.7 83.0

134 49.7 12.9 38.6#

