

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012744.D
 Acq On : 01 Oct 2019 19:32
 Operator : JC/SP
 Sample : K5110-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Quant Time: Oct 02 06:01:00 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	158444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	79570	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	115667	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
35) Dibromofluoromethane	5.49	113	84761	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	8.71	98	327232	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.14	95	104828	41.76	ug/l	0.00
Spiked Amount			Recovery	=	83.52%	

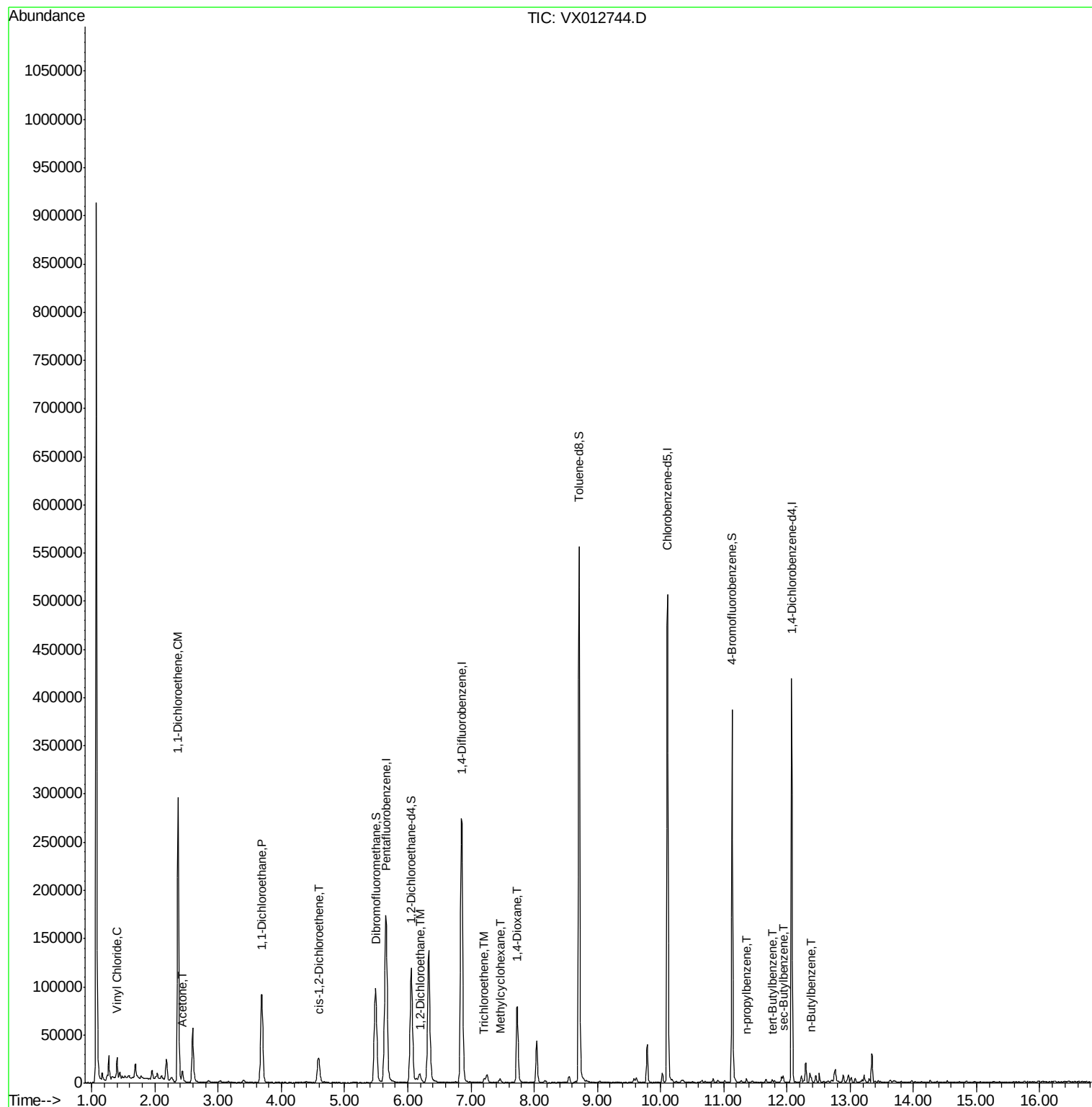
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	12305	6.048	ug/l	94
12) 1,1-Dichloroethene	2.37	96	100225	58.833	ug/l	96
16) Acetone	2.44	43	12338	10.096	ug/l	95
24) 1,1-Dichloroethane	3.69	63	105271	29.654	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	16782	7.663	ug/l	83
39) Methylcyclohexane	7.46	83	1710	0.529	ug/l	95
42) 1,2-Dichloroethane	6.19	62	9651	3.220	ug/l	99
44) Trichloroethene	7.22	130	1839	0.911	ug/l	87
49) 1,4-Dioxane	7.73	88	59044	1035.014	ug/l #	93
78) n-propylbenzene	11.35	91	2632	0.361	ug/l	96
83) tert-Butylbenzene	11.76	119	1540	0.294	ug/l	81
85) sec-Butylbenzene	11.94	105	3797	0.623	ug/l	97
89) n-Butylbenzene	12.39	91	2517	0.519	ug/l #	64

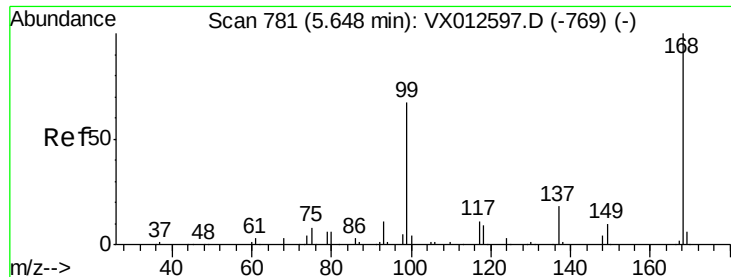
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 06:01:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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: VX012744.D

Acq: 01 Oct 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

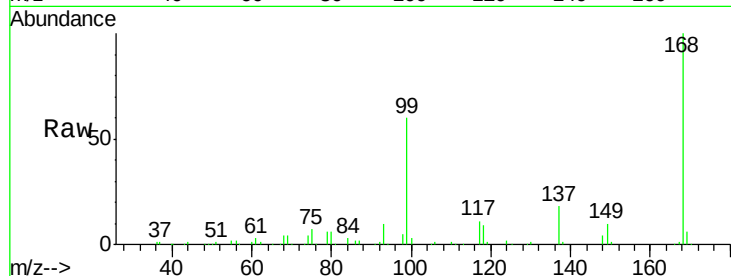
DUP-1

Tot Ion:168 Resp: 158444

Ion Ratio Lower Upper

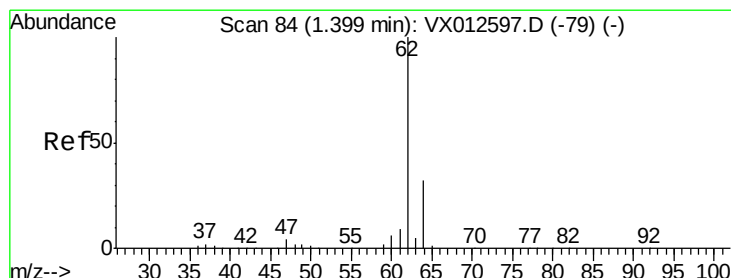
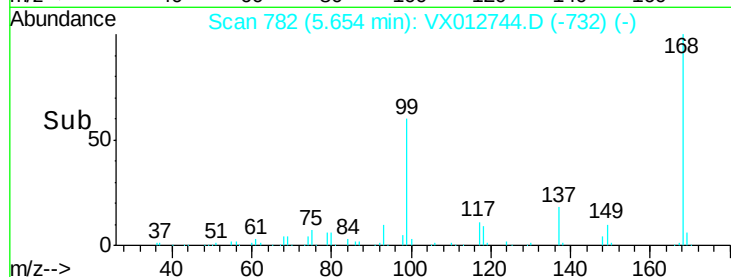
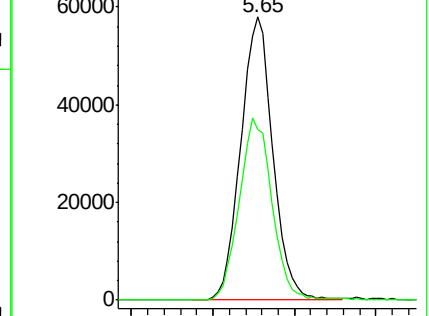
168 100

99 60.3 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: 6.048 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012744.D

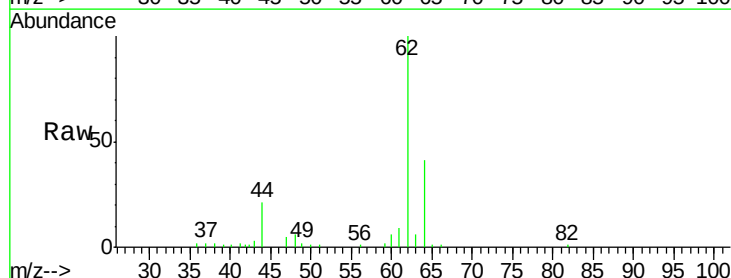
Acq: 01 Oct 2019 19:32

Tgt Ion: 62 Resp: 12305

Ion Ratio Lower Upper

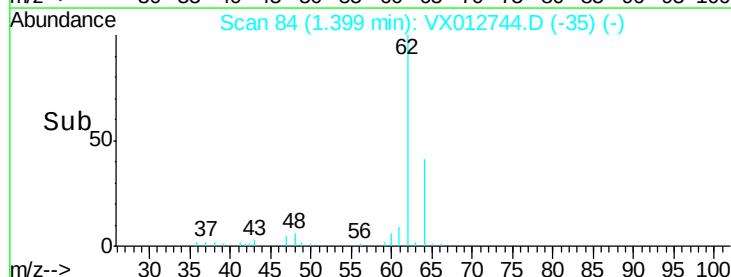
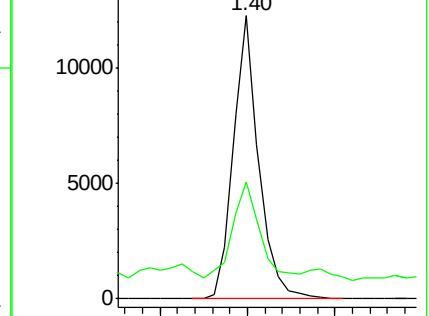
62 100

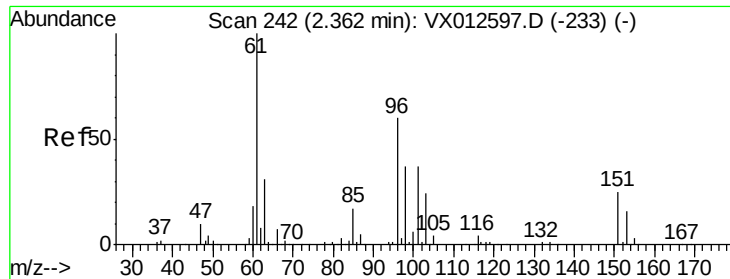
64 33.4 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 58.833 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012744.D

Acq: 01 Oct 2019 19:32

Instrument :

MSVOA_X

ClientSampled :

DUP-1

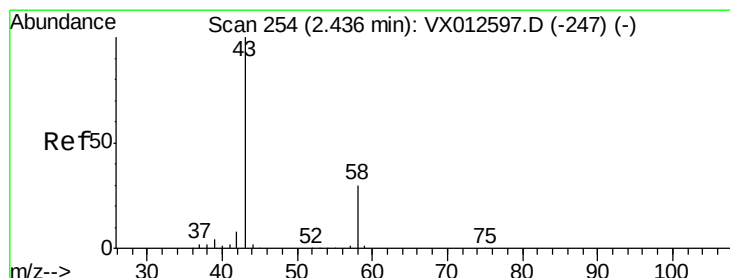
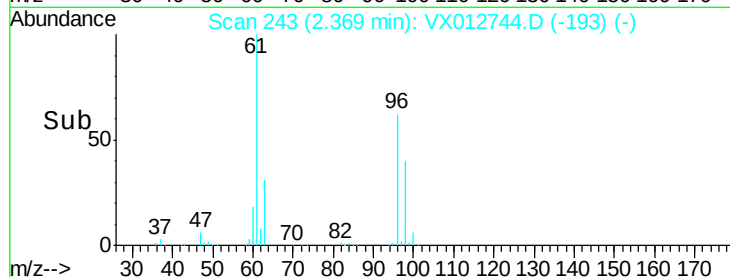
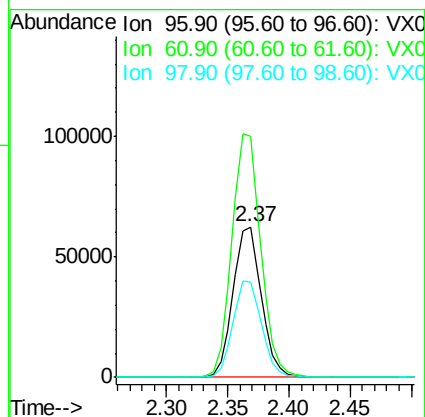
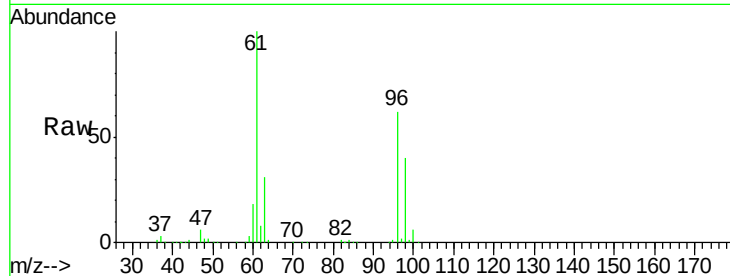
Tot Ion: 96 Resp: 100225

Ion Ratio Lower Upper

96 100

61 160.6 133.8 200.6

98 63.5 49.9 74.9



#16

Acetone

Concen: 10.096 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012744.D

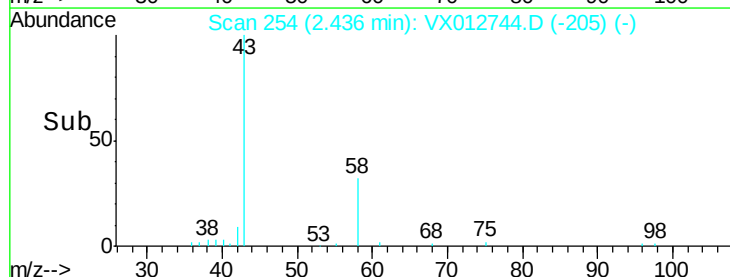
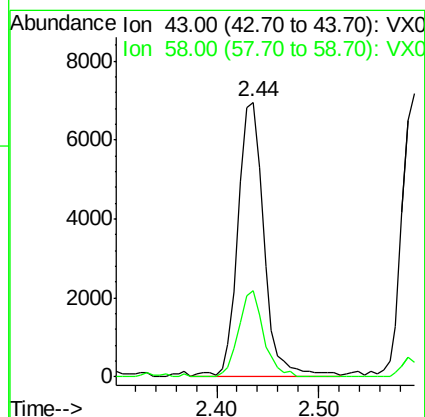
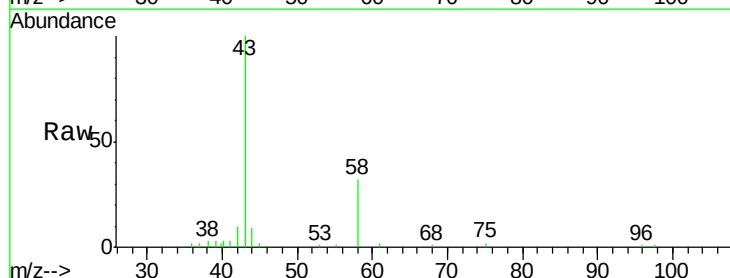
Acq: 01 Oct 2019 19:32

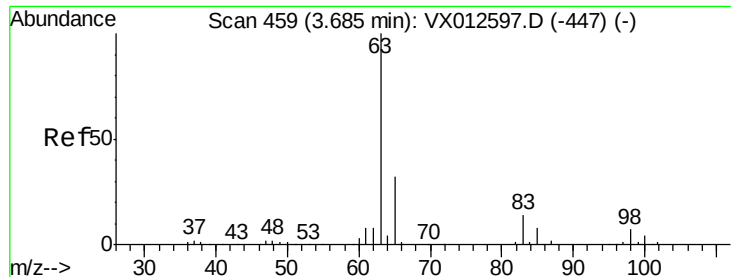
Tgt Ion: 43 Resp: 12338

Ion Ratio Lower Upper

43 100

58 31.7 23.3 34.9





#24

1,1-Dichloroethane

Concen: 29.654 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012744.D

Acq: 01 Oct 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

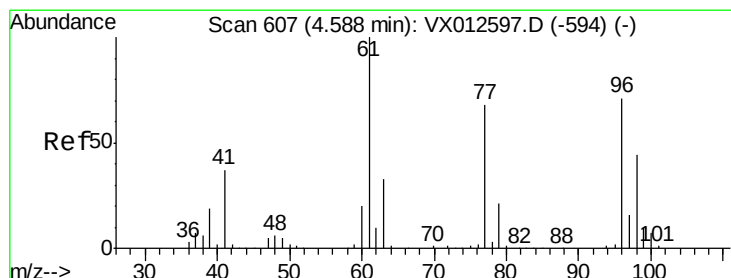
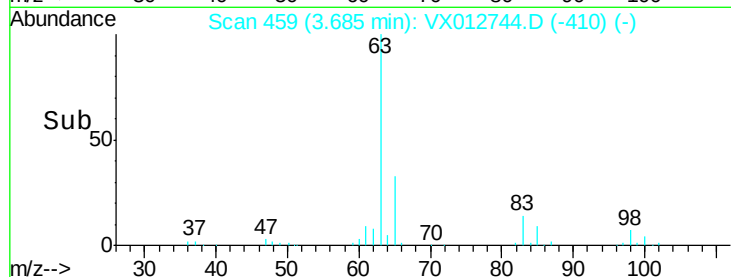
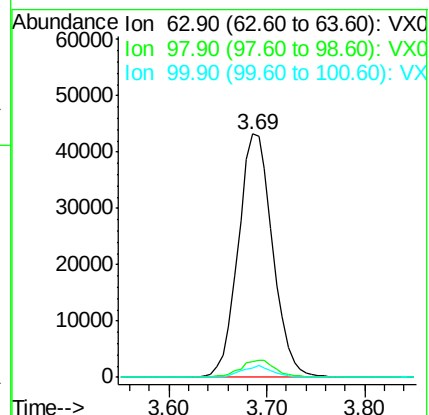
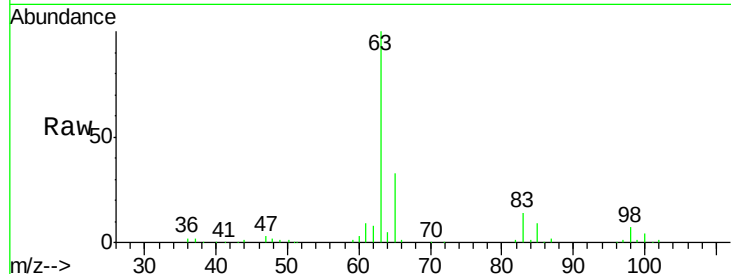
Tot Ion: 63 Resp: 105271

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

100 3.8 2.3 6.9



#27

cis-1,2-Dichloroethene

Concen: 7.663 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012744.D

Acq: 01 Oct 2019 19:32

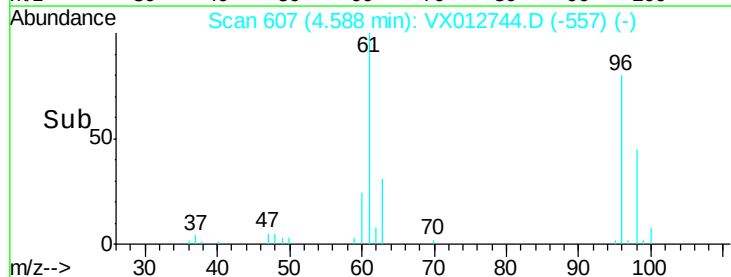
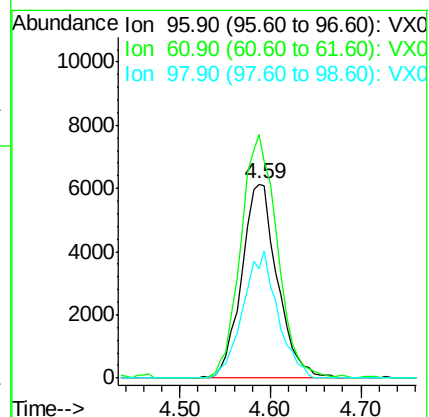
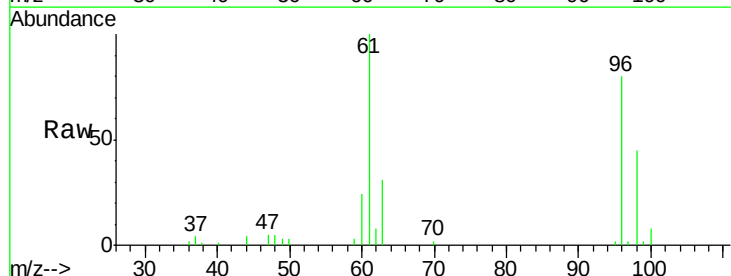
Tgt Ion: 96 Resp: 16782

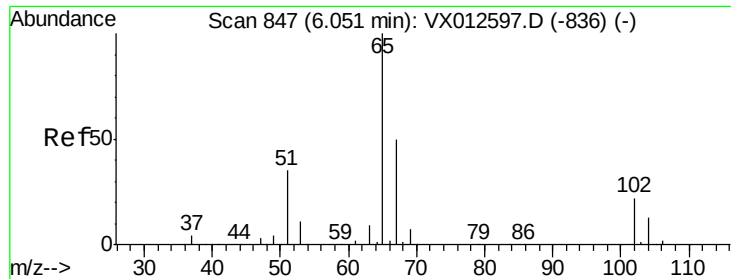
Ion Ratio Lower Upper

96 100

61 128.5 0.0 319.4

98 63.4 0.0 130.6

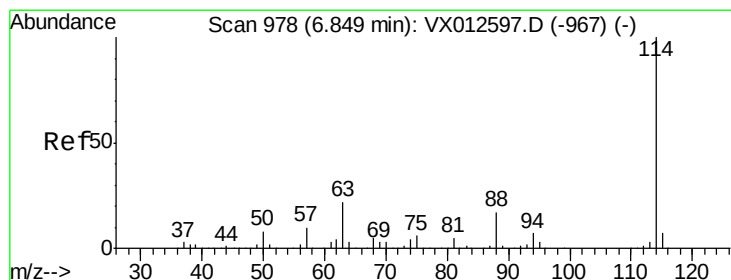
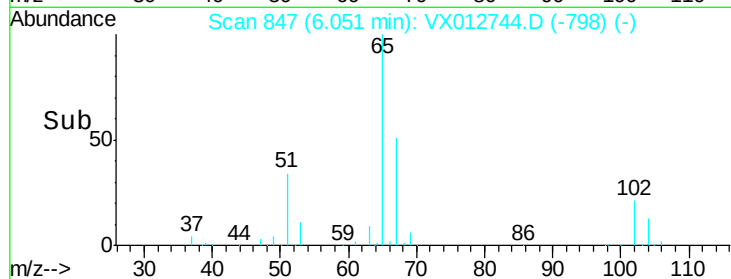
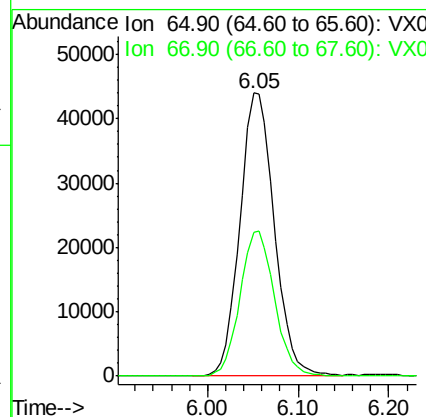
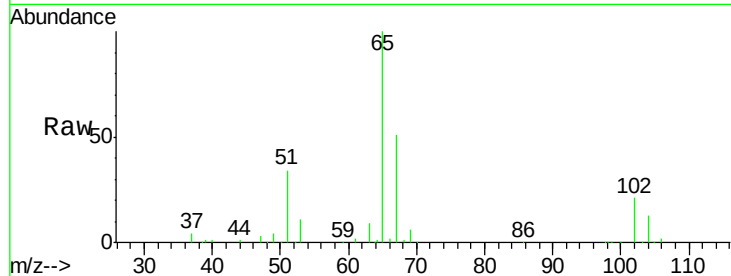




#33
 1,2-Dichloroethane-d4
 Concen: 50.132 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012744.D
 Acq: 01 Oct 2019 19:32

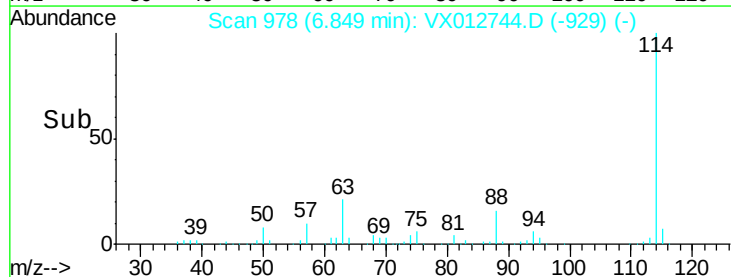
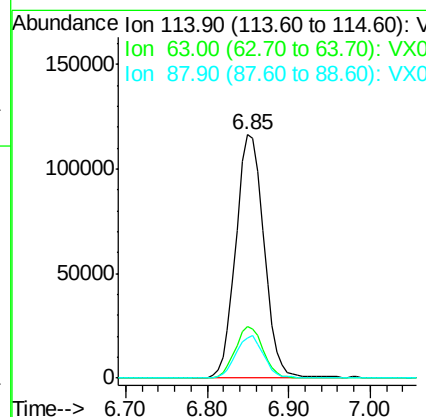
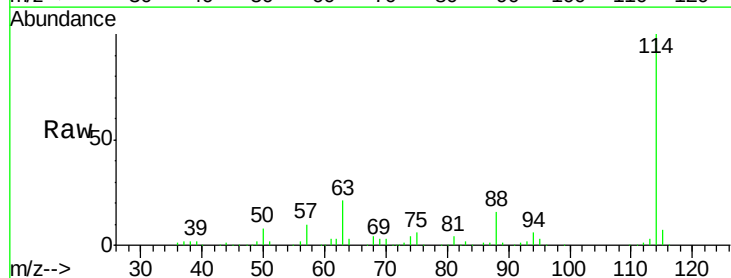
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

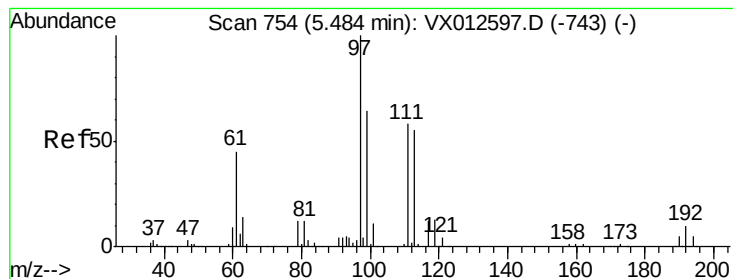
Tot Ion: 65 Resp: 115667
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012744.D
 Acq: 01 Oct 2019 19:32

Tgt Ion: 114 Resp: 278336
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.134 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012744.D

Acq: 01 Oct 2019 19:32

Instrument :

MSVOA_X

ClientSampled :

DUP-1

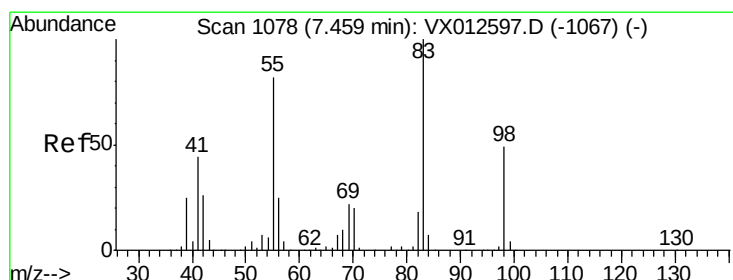
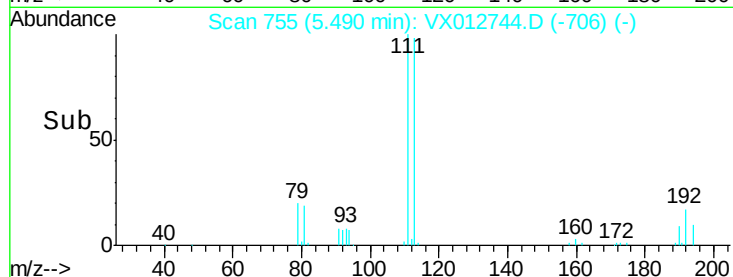
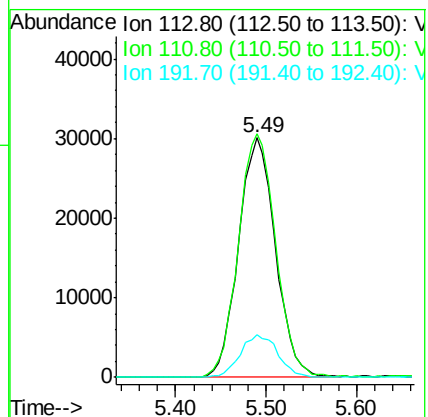
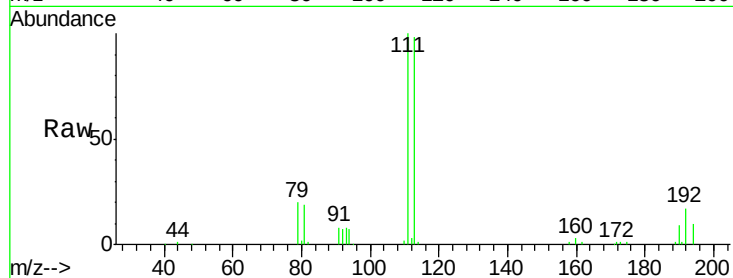
Tot Ion:113 Resp: 84761

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 18.1 14.4 21.6



#39

Methylcyclohexane

Concen: 0.529 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX012744.D

Acq: 01 Oct 2019 19:32

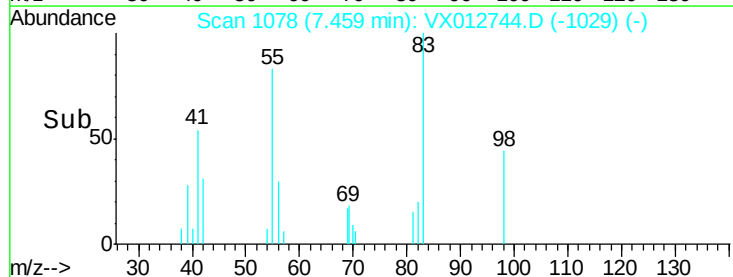
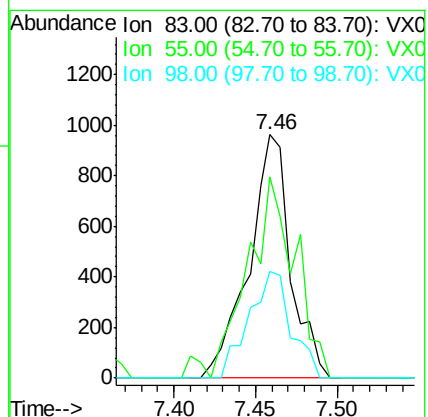
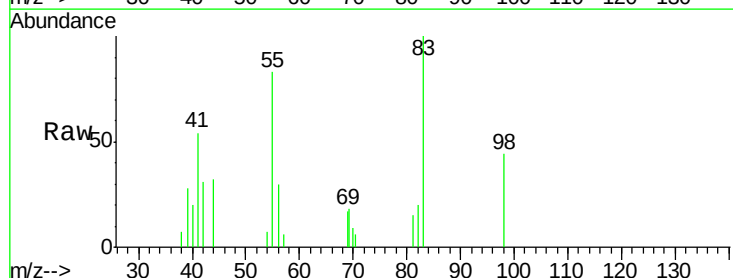
Tgt Ion: 83 Resp: 1710

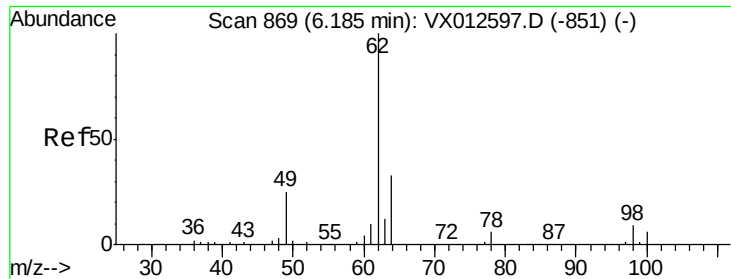
Ion Ratio Lower Upper

83 100

55 82.7 64.4 96.6

98 43.9 40.1 60.1

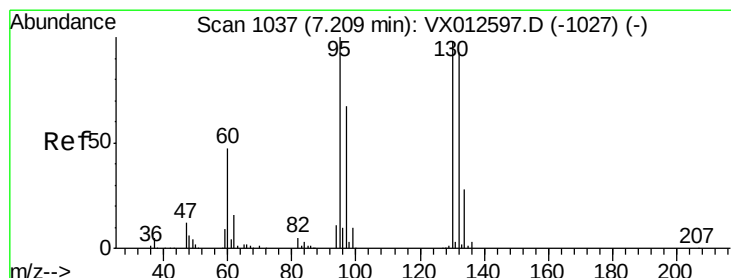
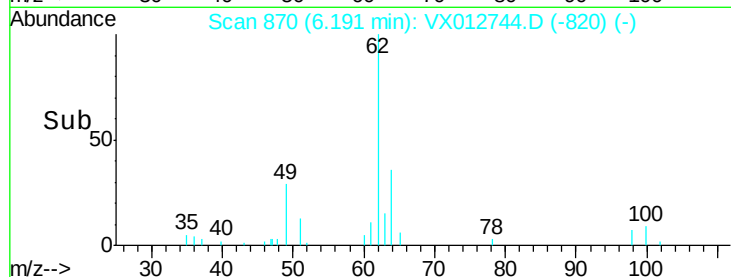
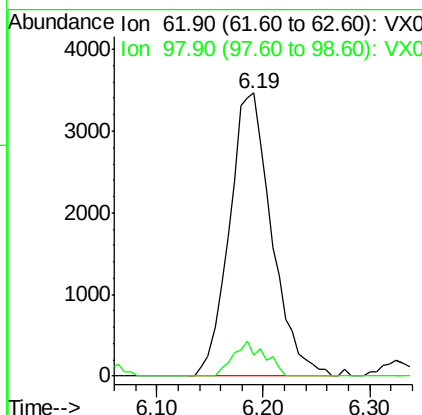
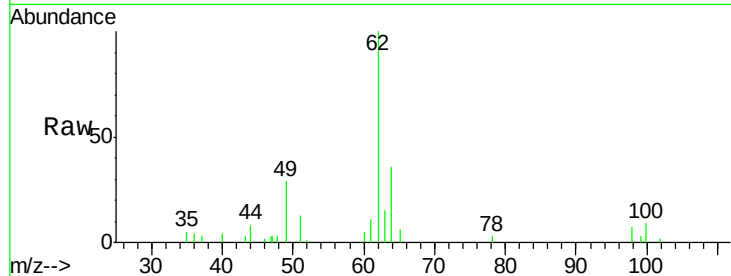




#42
 1,2-Dichloroethane
 Concen: 3.220 ug/l
 RT: 6.19 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX012744.D
 Acq: 01 Oct 2019 19:32

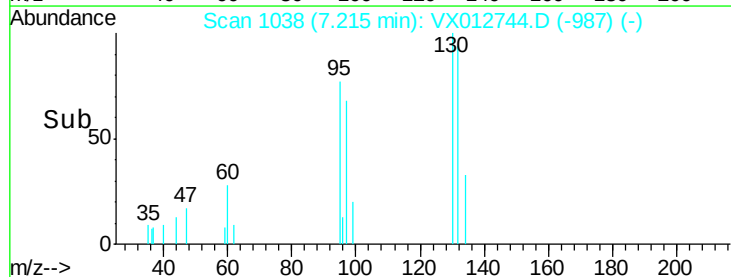
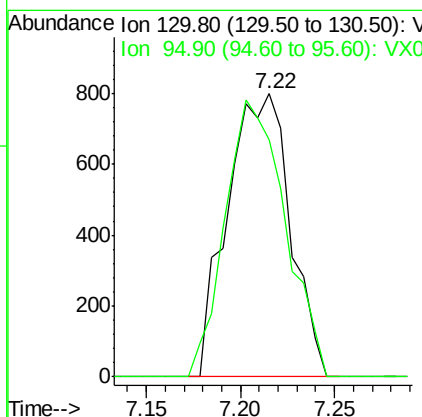
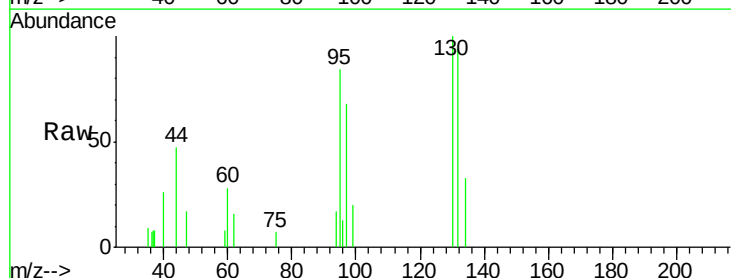
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

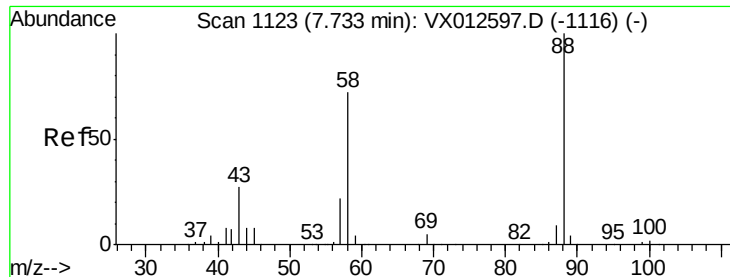
Tot Ion: 62 Resp: 9651
 Ion Ratio Lower Upper
 62 100
 98 9.1 0.0 17.8



#44
 Trichloroethene
 Concen: 0.911 ug/l
 RT: 7.22 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VX012744.D
 Acq: 01 Oct 2019 19:32

Tgt Ion: 130 Resp: 1839
 Ion Ratio Lower Upper
 130 100
 95 83.8 0.0 193.0





#49

1,4-Dioxane

Concen: 1035.014 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012744.D

Acq: 01 Oct 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

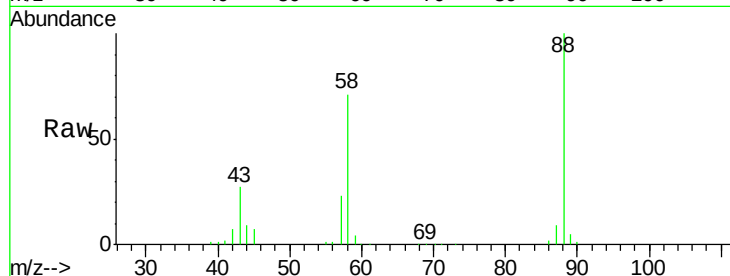
Tot Ion: 88 Resp: 59044

Ion Ratio Lower Upper

88 100

43 27.6 29.4 44.0#

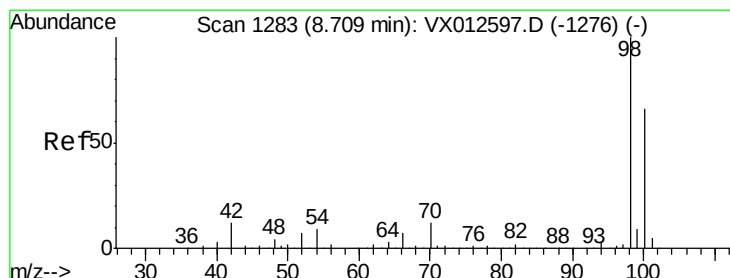
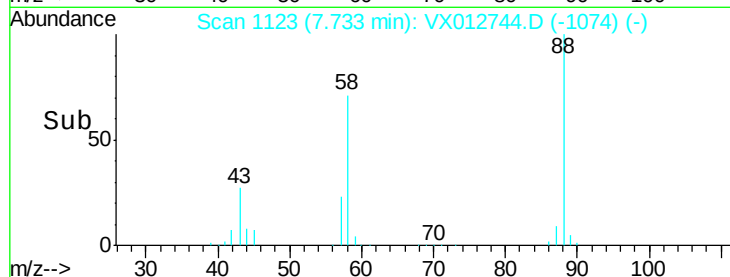
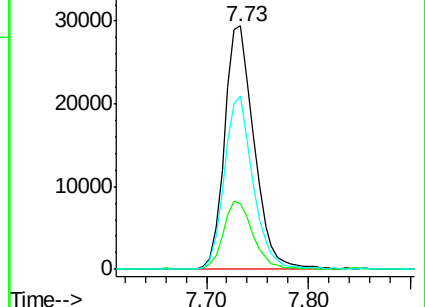
58 69.6 57.5 86.3



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.262 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012744.D

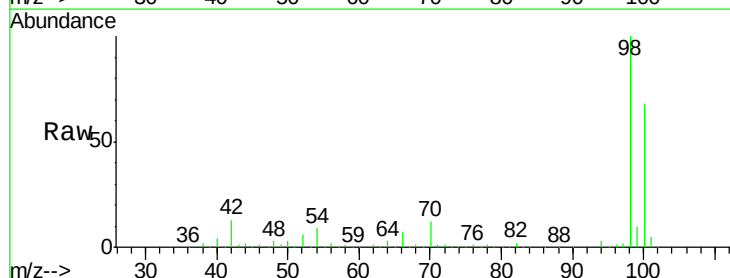
Acq: 01 Oct 2019 19:32

Tgt Ion: 98 Resp: 327232

Ion Ratio Lower Upper

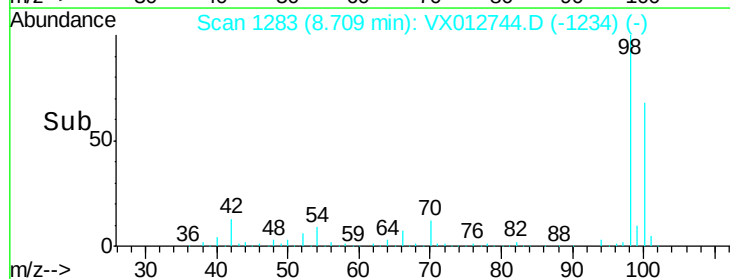
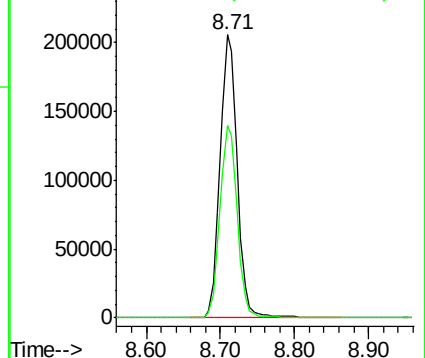
98 100

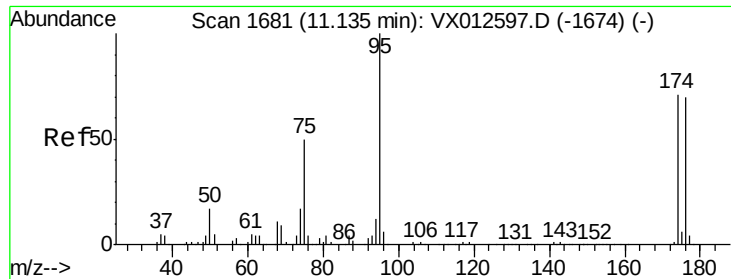
100 68.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

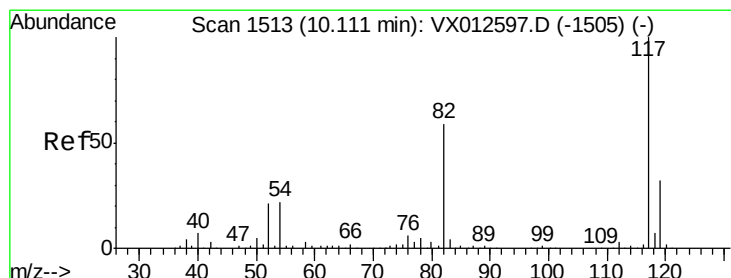
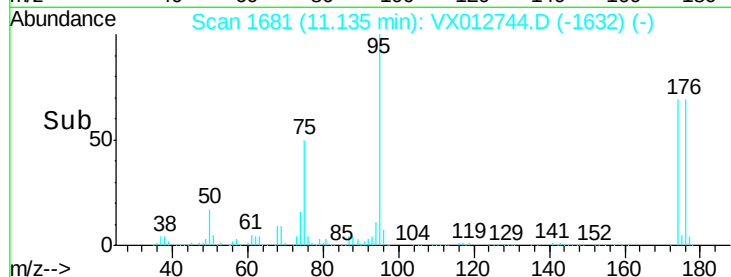
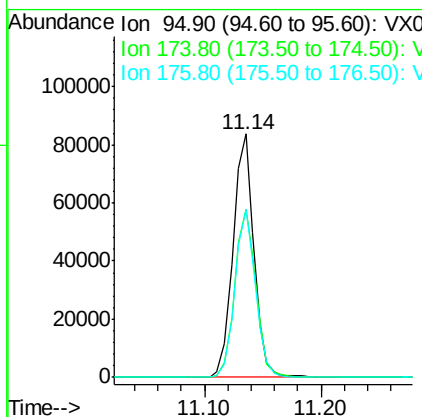
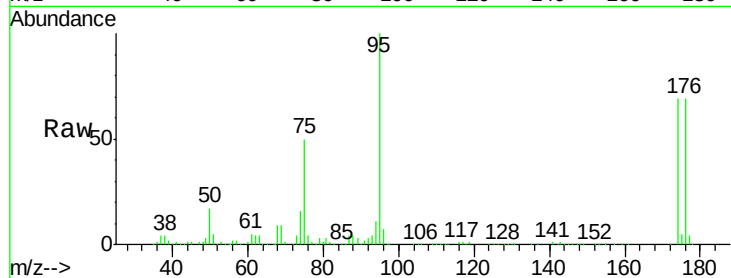




#62
4-Bromofluorobenzene
Concen: 41.764 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012744.D
Acq: 01 Oct 2019 19:32

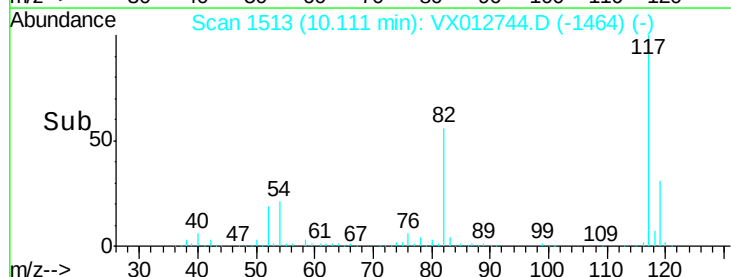
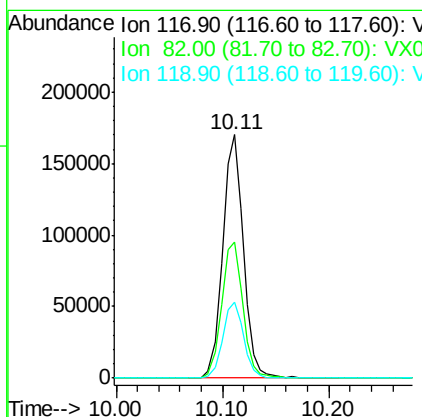
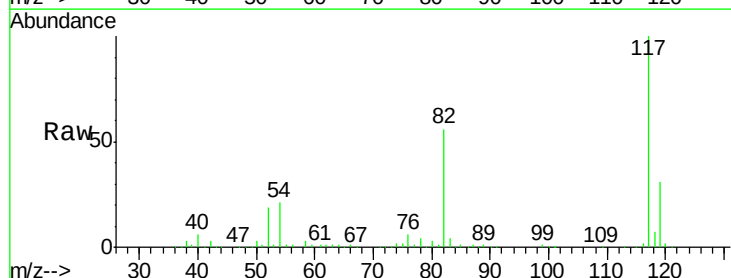
Instrument :
MSVOA_X
ClientSampled :
DUP-1

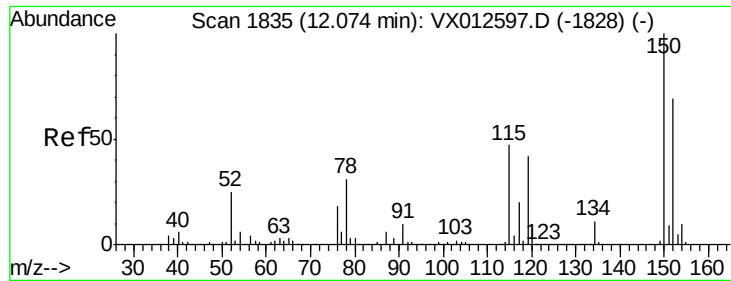
Tot Ion: 95 Resp: 104828
Ion Ratio Lower Upper
95 100
174 70.0 0.0 140.0
176 68.0 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012744.D
Acq: 01 Oct 2019 19:32

Tgt Ion: 117 Resp: 231816
Ion Ratio Lower Upper
117 100
82 55.7 45.9 68.9
119 31.4 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012744.D

Acq: 01 Oct 2019 19:32

Instrument :

MSVOA_X

ClientSampled :

DUP-1

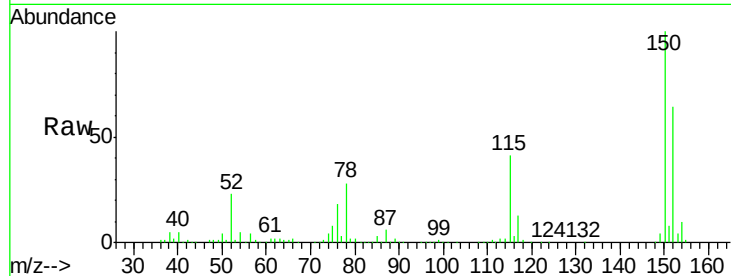
Tot Ion:152 Resp: 79570

Ion Ratio Lower Upper

152 100

115 64.3 44.1 132.3

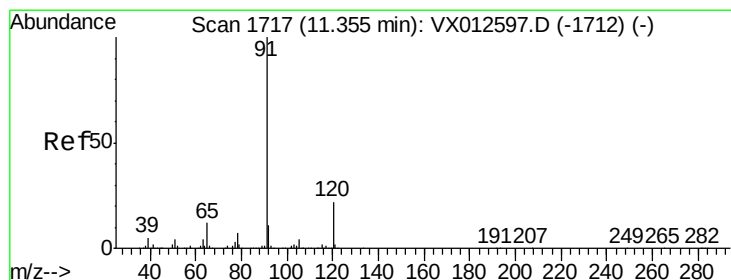
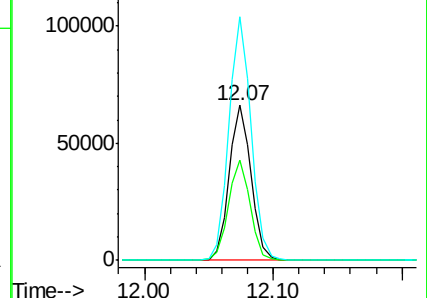
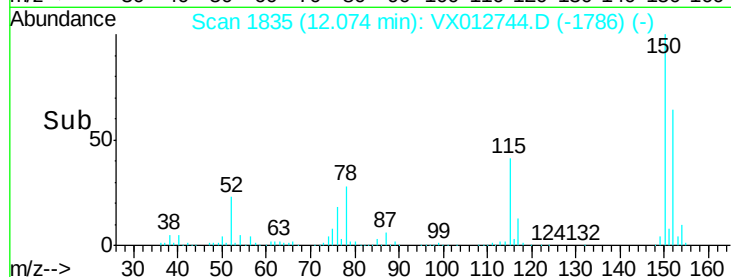
150 158.3 0.0 343.8



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: 0.361 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012744.D

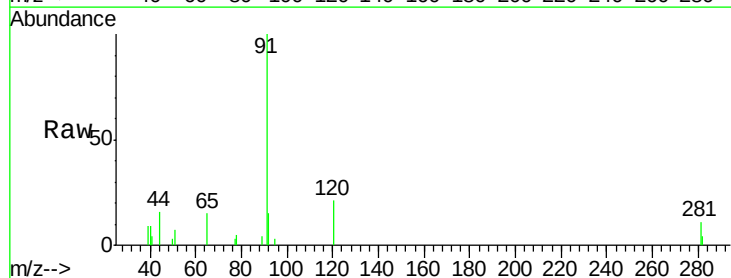
Acq: 01 Oct 2019 19:32

Tgt Ion: 91 Resp: 2632

Ion Ratio Lower Upper

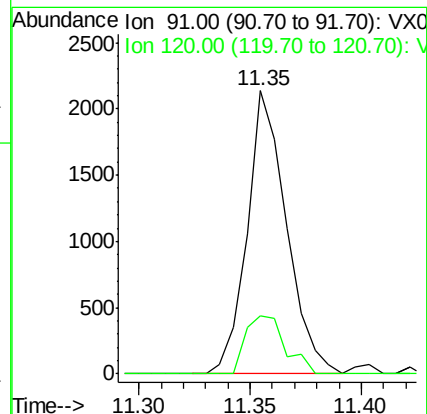
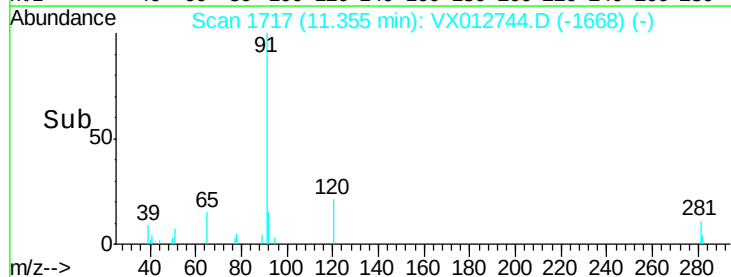
91 100

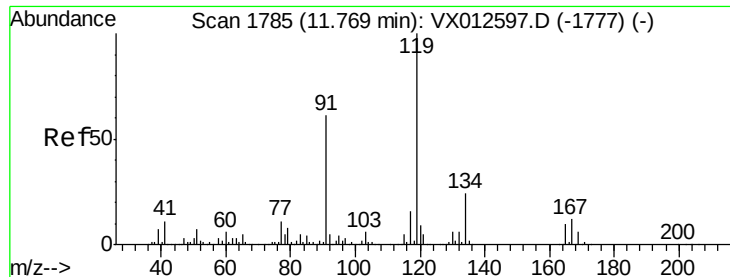
120 20.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

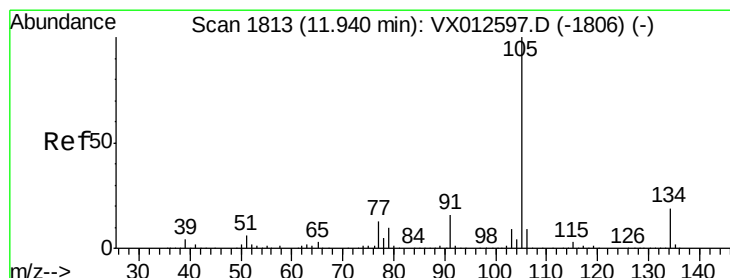
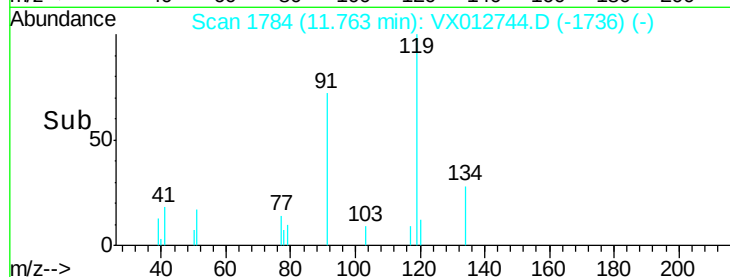
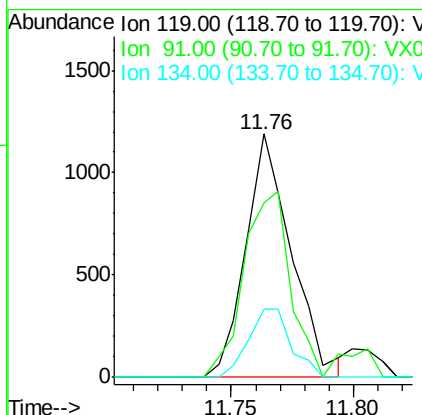
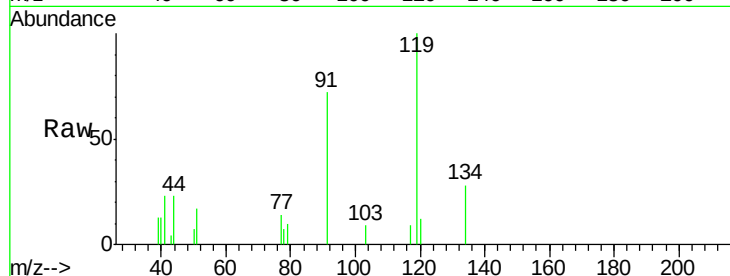




#83
tert-Butylbenzene
Concen: 0.294 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012744.D
Acq: 01 Oct 2019 19:32

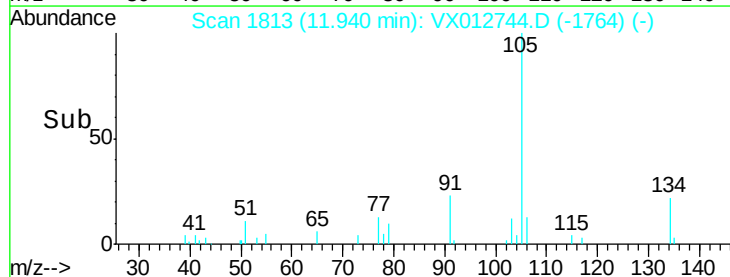
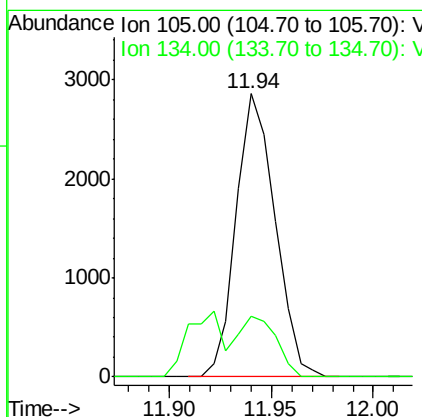
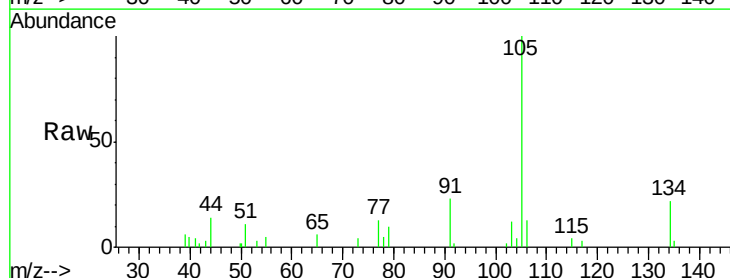
Instrument :
MSVOA_X
ClientSampled :
DUP-1

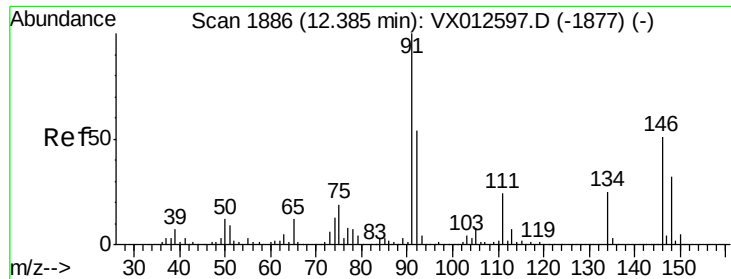
Tot Ion:119 Resp: 1540
Ion Ratio Lower Upper
119 100
91 77.6 30.0 90.0
134 26.2 11.3 33.9



#85
sec-Butylbenzene
Concen: 0.623 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX012744.D
Acq: 01 Oct 2019 19:32

Tgt Ion:105 Resp: 3797
Ion Ratio Lower Upper
105 100
134 20.9 9.8 29.4





#89

n-Butylbenzene

Concen: 0.519 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012744.D

Acq: 01 Oct 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

Tot Ion: 91 Resp: 2517

Ion Ratio Lower Upper

91 100

92 39.5 27.7 83.0

134 58.9 12.9 38.6

