

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002645.D
 Acq On : 16 Jun 2018 13:49
 Operator : JC/MD
 Sample : J3477-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0139

Quant Time: Jun 18 09:11:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	207993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	294974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	162215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	140739	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
35) Dibromofluoromethane	5.51	113	109389	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
50) Toluene-d8	8.72	98	424637	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	11.14	95	149786	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

Target Compounds

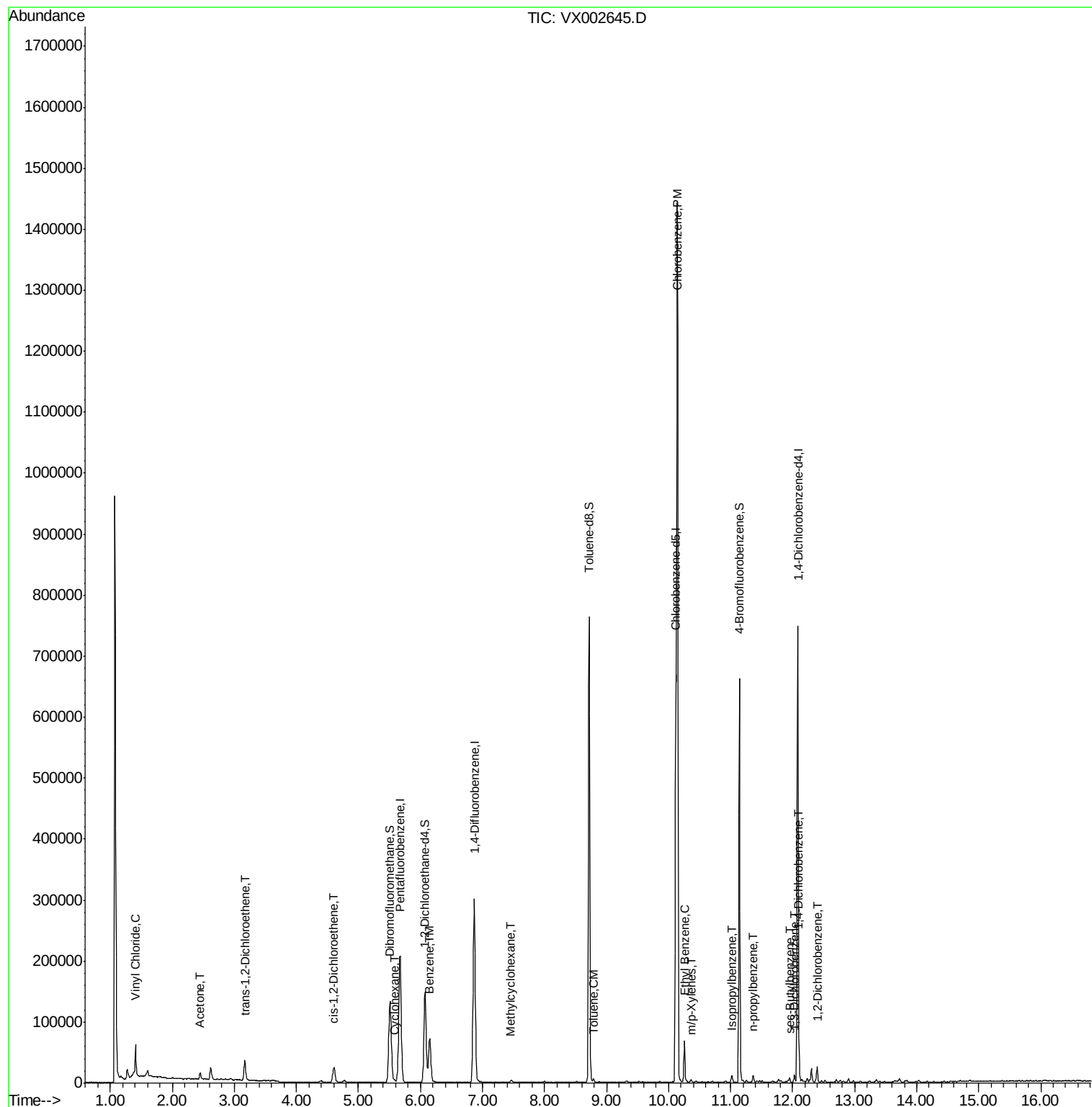
						Qvalue
4) Vinyl Chloride	1.41	62	31144	11.43	ug/l #	79
16) Acetone	2.45	43	11722	8.41	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	12638	5.01	ug/l	92
27) cis-1,2-Dichloroethene	4.61	96	13993	5.45	ug/l	95
31) Cyclohexane	5.58	56	1798	0.48	ug/l #	92
39) Methylcyclohexane	7.46	83	1191	0.33	ug/l	86
40) Benzene	6.15	78	83431	8.88	ug/l	98
52) Toluene	8.79	92	1356	0.23	ug/l	98
65) Chlorobenzene	10.14	112	586675	85.69	ug/l	99
67) Ethyl Benzene	10.26	91	37680	3.26	ug/l	100
68) m/p-Xylenes	10.37	106	1137	0.26	ug/l	93
73) Isopropylbenzene	11.02	105	5315	0.49	ug/l	96
78) n-propylbenzene	11.37	91	4353	0.35	ug/l	92
85) sec-Butylbenzene	11.95	105	3202	0.29	ug/l	80
87) 1,3-Dichlorobenzene	12.03	146	3593	0.65	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	14394	2.55	ug/l	88
91) 1,2-Dichlorobenzene	12.40	146	6811	1.22	ug/l	99

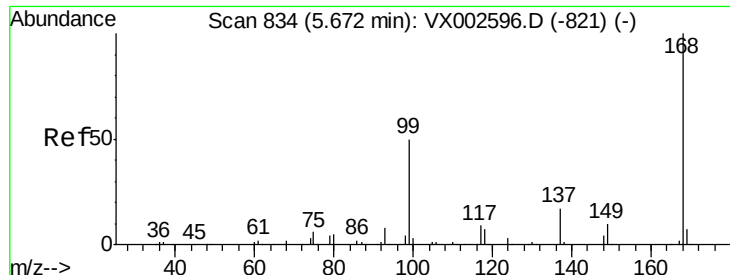
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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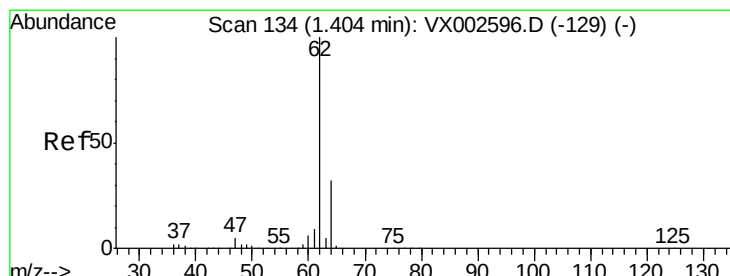
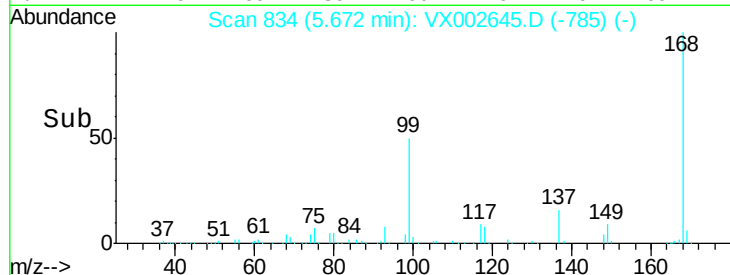
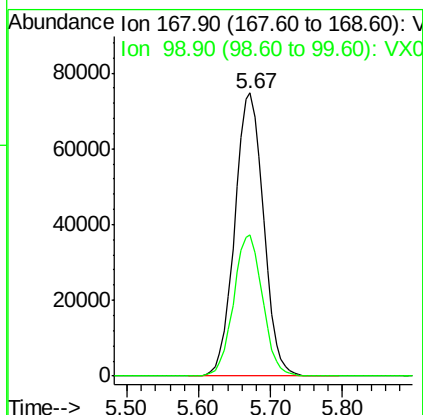
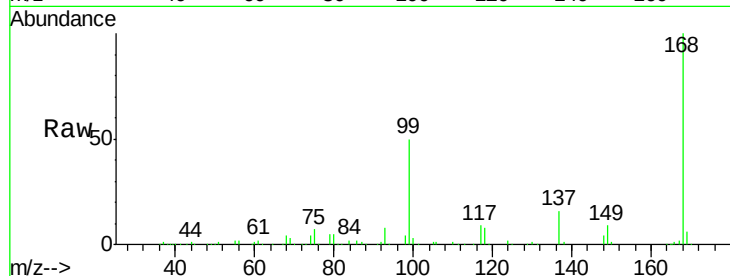




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX002645.D
Acq: 16 Jun 2018 13:49

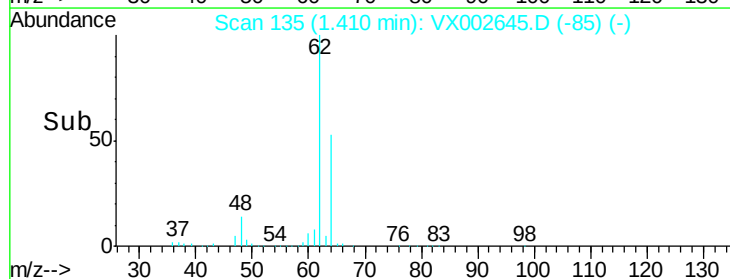
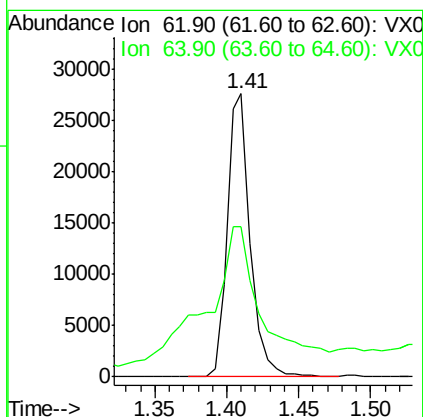
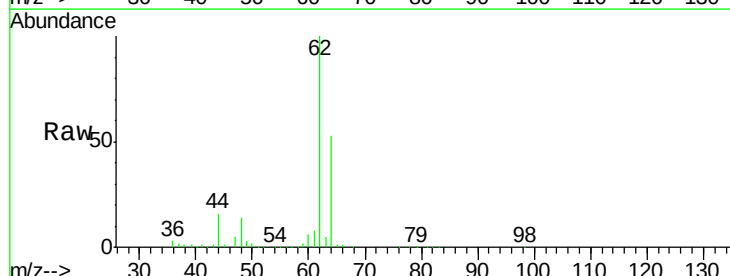
Instrument :
MSVOA_X
ClientSampleId :
S36-0139

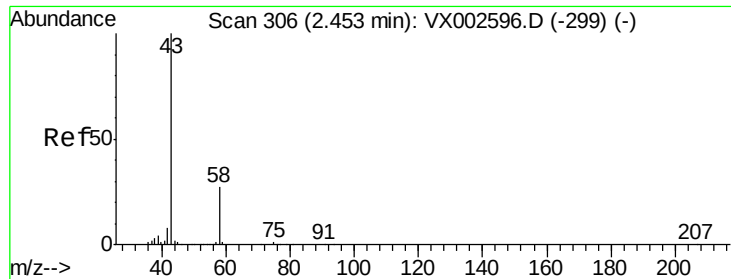
Tot Ion:168 Resp: 207993
Ion Ratio Lower Upper
168 100
99 49.7 39.3 58.9



#4
Vinyl Chloride
Concen: 11.43 ug/l
RT: 1.41 min Scan# 135
Delta R.T. 0.01 min
Lab File: VX002645.D
Acq: 16 Jun 2018 13:49

Tgt Ion: 62 Resp: 31144
Ion Ratio Lower Upper
62 100
64 43.4 25.4 38.2#





#16

Acetone

Concen: 8.41 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002645.D

Acq: 16 Jun 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

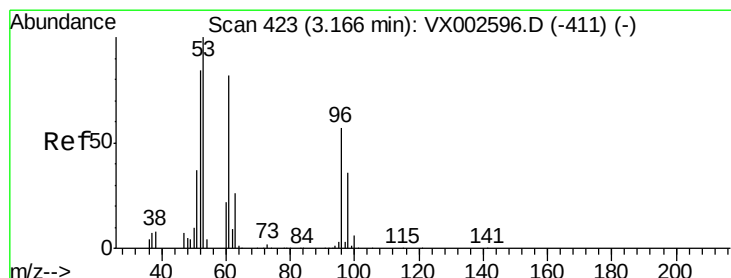
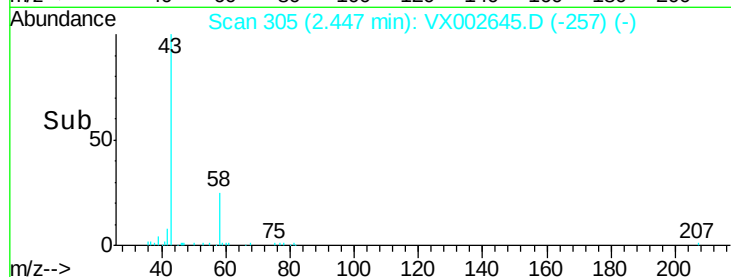
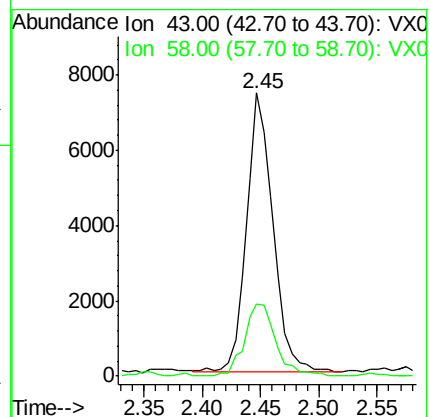
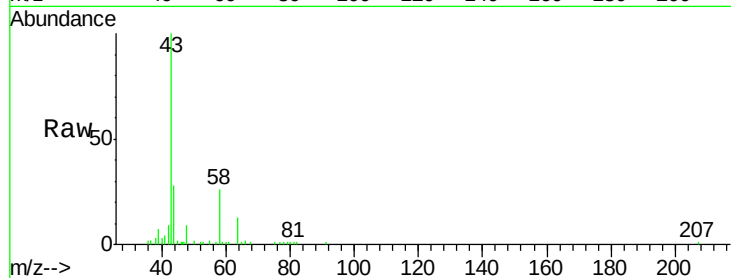
S36-0139

Tot Ion: 43 Resp: 11722

Ion Ratio Lower Upper

43 100

58 26.0 22.1 33.1



#21

trans-1,2-Dichloroethene

Concen: 5.01 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002645.D

Acq: 16 Jun 2018 13:49

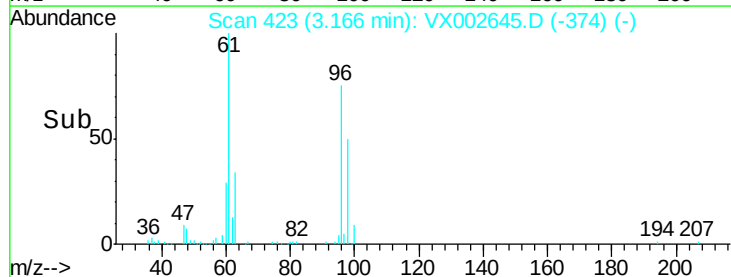
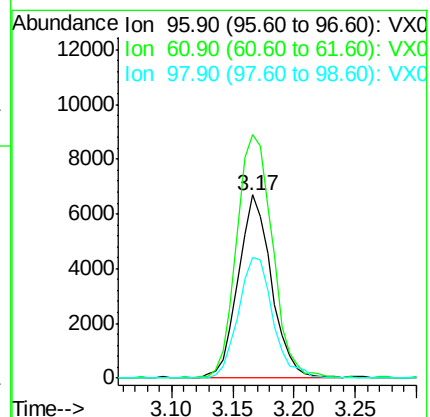
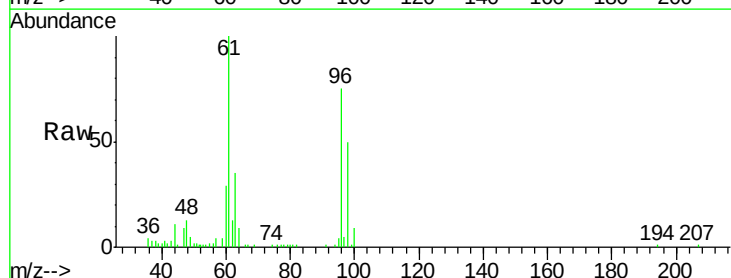
Tgt Ion: 96 Resp: 12638

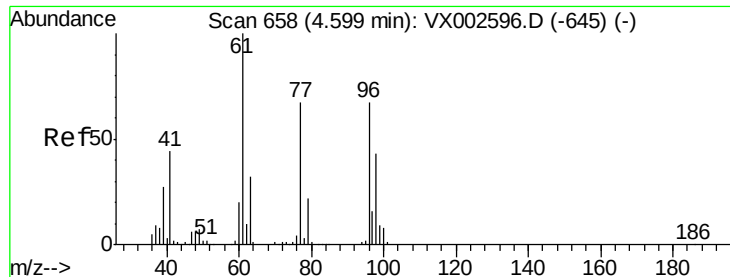
Ion Ratio Lower Upper

96 100

61 132.8 117.0 175.4

98 65.8 52.4 78.6





#27

cis-1,2-Dichloroethene

Concen: 5.45 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX002645.D

Acq: 16 Jun 2018 13:49

Instrument :

MSVOA_X

ClientSampled :

S36-0139

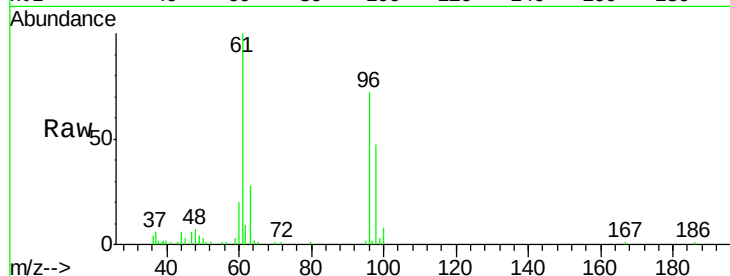
Tot Ion: 96 Resp: 13993

Ion Ratio Lower Upper

96 100

61 155.2 0.0 330.2

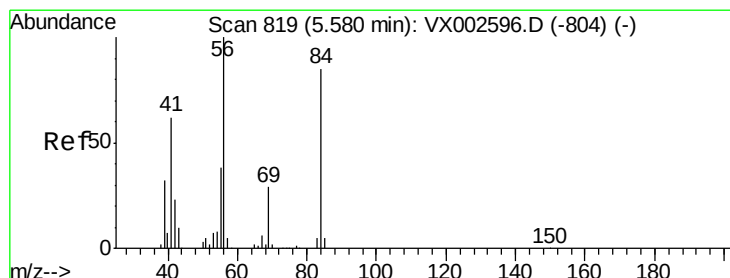
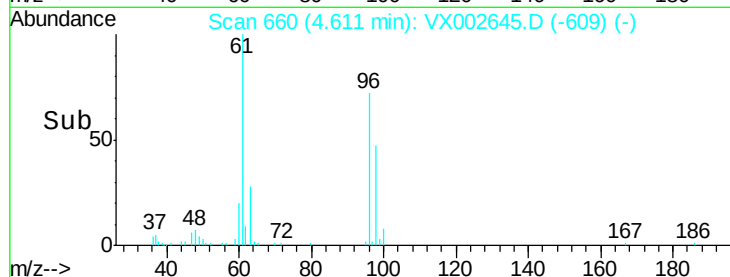
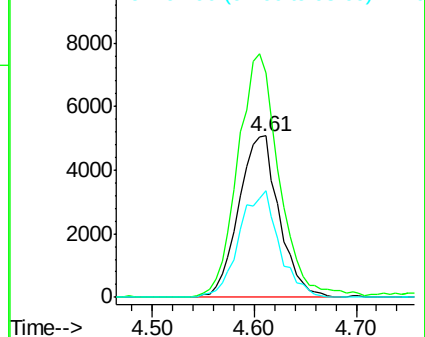
98 65.2 0.0 130.2



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



#31

Cyclohexane

Concen: 0.48 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002645.D

Acq: 16 Jun 2018 13:49

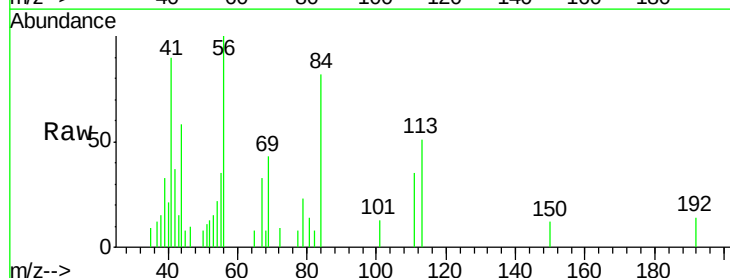
Tgt Ion: 56 Resp: 1798

Ion Ratio Lower Upper

56 100

69 43.5 23.7 35.5#

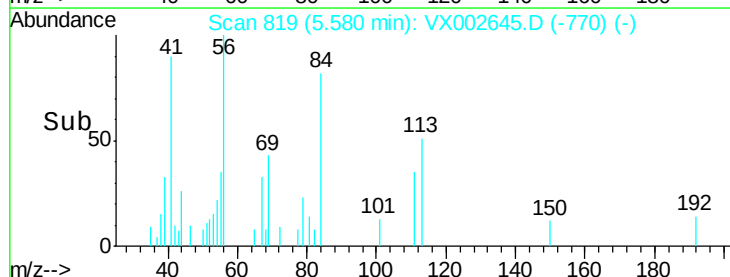
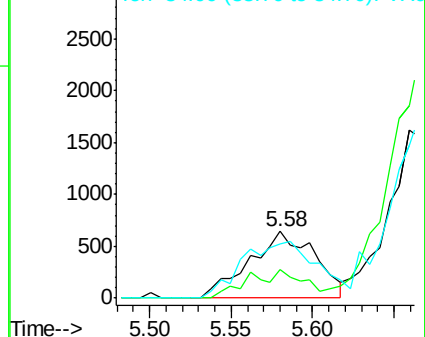
84 81.9 64.1 96.1

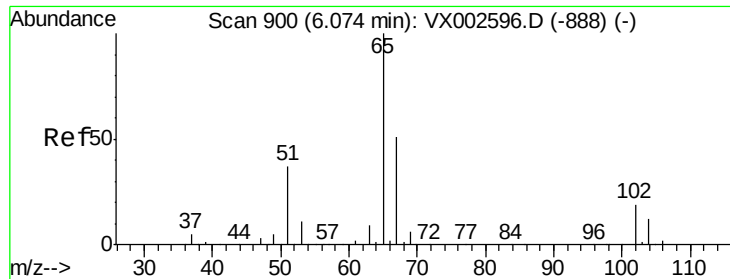


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

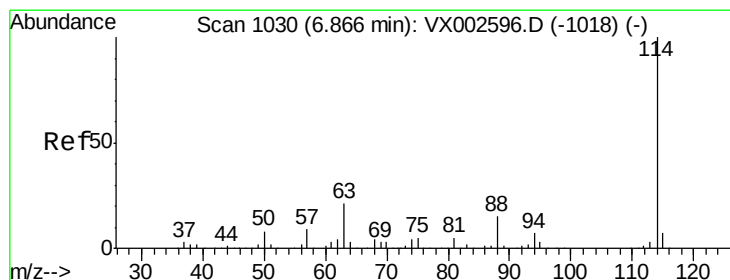
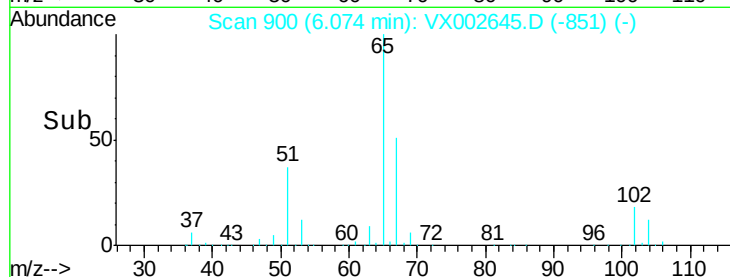
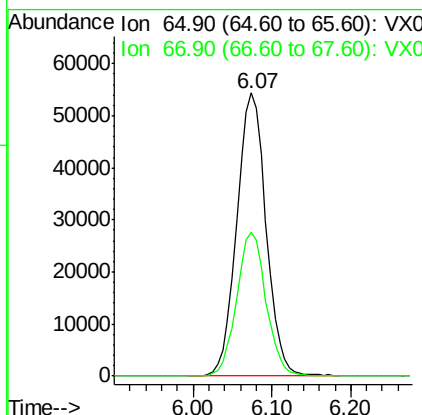
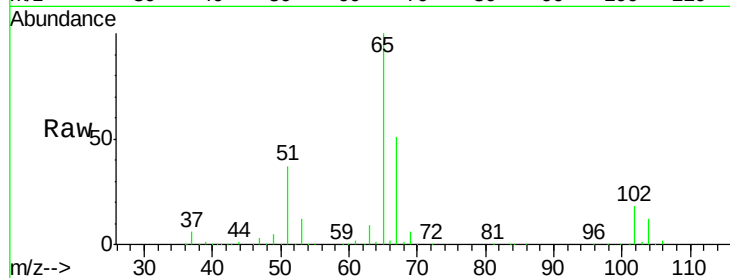




#33
 1,2-Dichloroethane-d4
 Concen: 44.53 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002645.D
 Acq: 16 Jun 2018 13:49

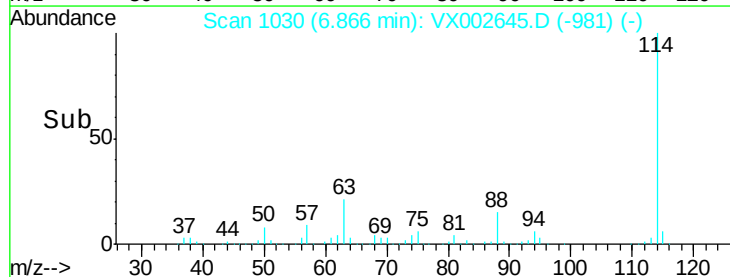
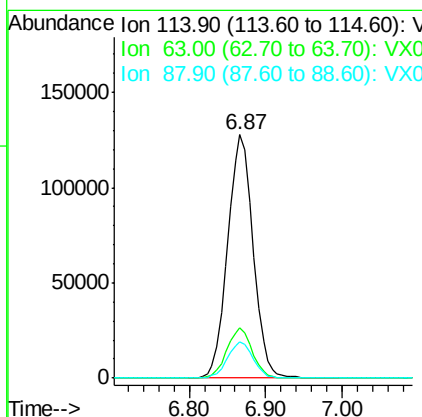
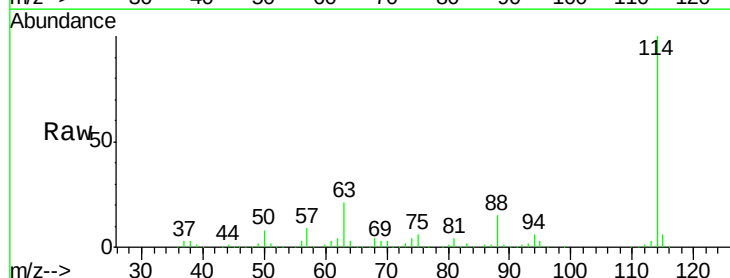
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0139

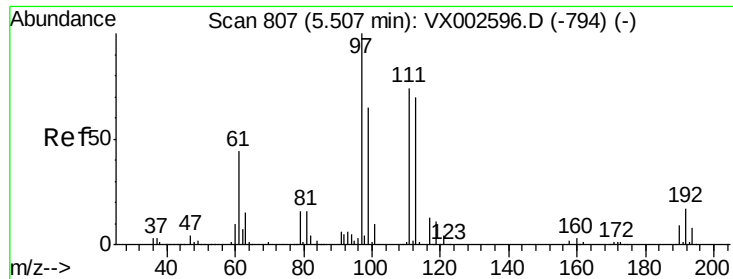
Tot Ion: 65 Resp: 140739
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002645.D
 Acq: 16 Jun 2018 13:49

Tgt Ion: 114 Resp: 294974
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.1 0.0 30.0

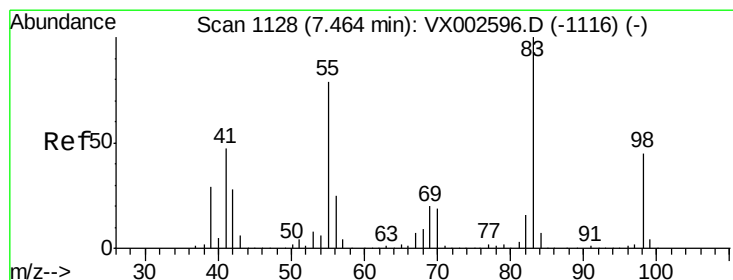
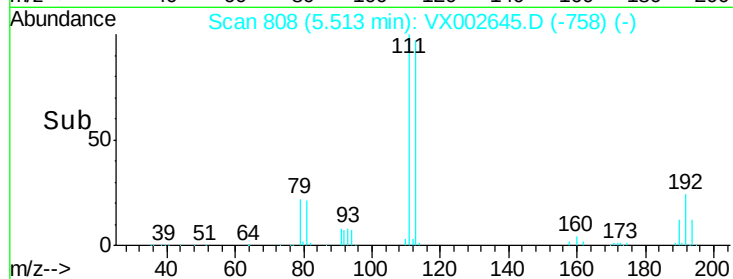
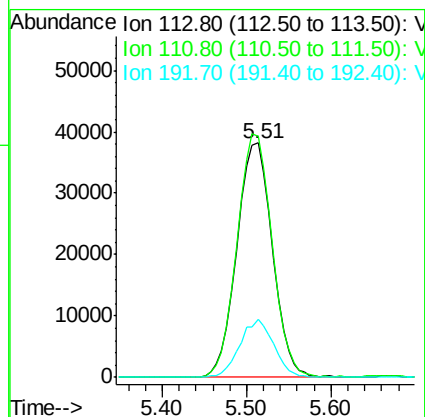
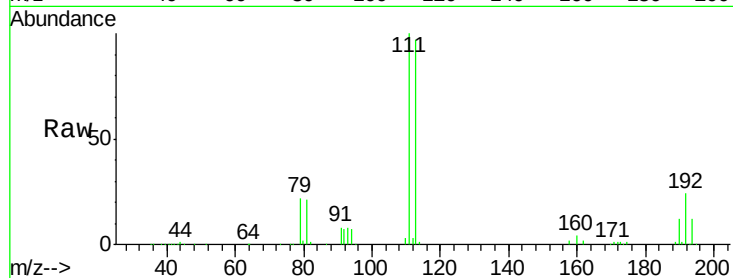




#35
Dibromofluoromethane
Concen: 46.47 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX002645.D
Acq: 16 Jun 2018 13:49

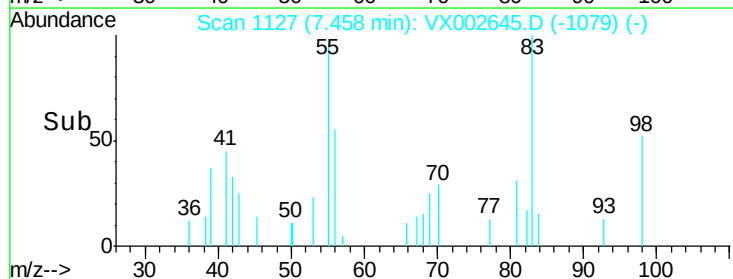
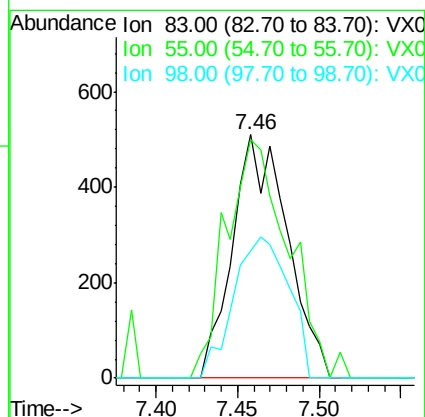
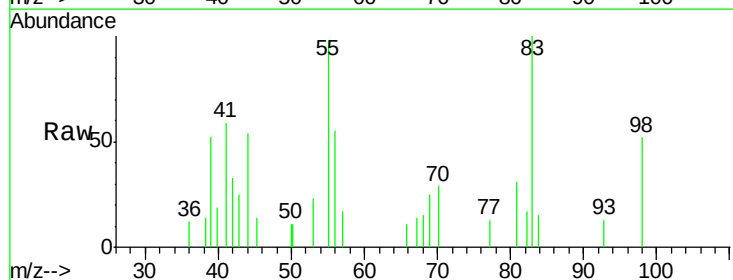
Instrument :
MSVOA_X
ClientSampleId :
S36-0139

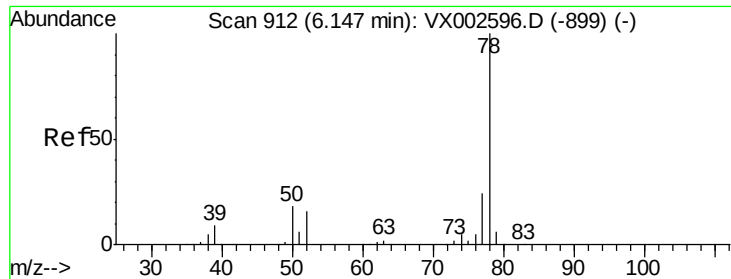
Tot Ion:113 Resp: 109389
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 23.5 19.1 28.7



#39
Methylcyclohexane
Concen: 0.33 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002645.D
Acq: 16 Jun 2018 13:49

Tgt Ion: 83 Resp: 1191
Ion Ratio Lower Upper
83 100
55 97.8 65.4 98.0
98 52.2 37.4 56.0





#40

Benzene

Concen: 8.88 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX002645.D

Acq: 16 Jun 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

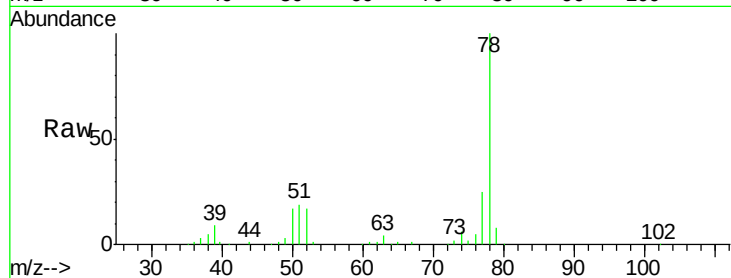
S36-0139

Tot Ion: 78 Resp: 83431

Ion Ratio Lower Upper

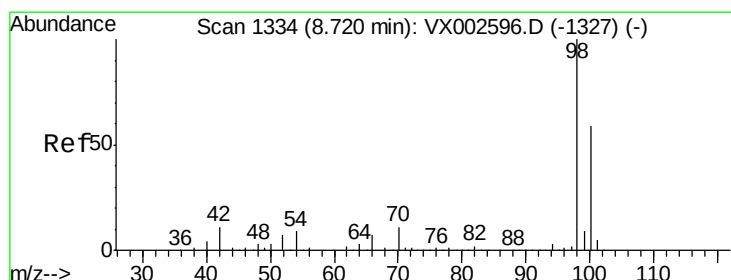
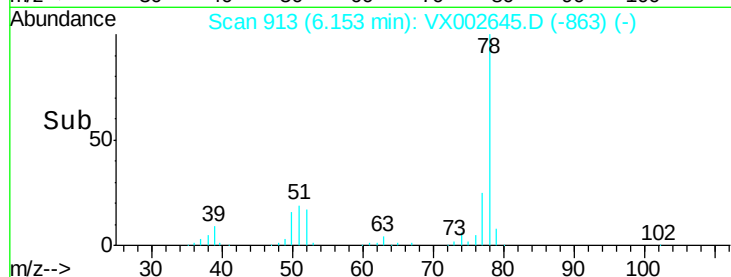
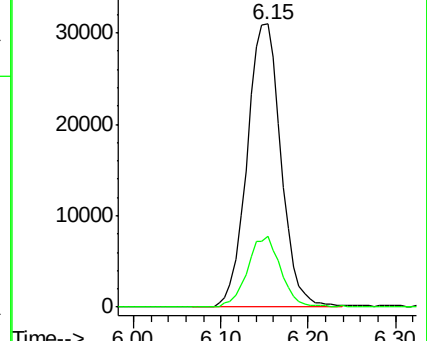
78 100

77 24.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002645.D

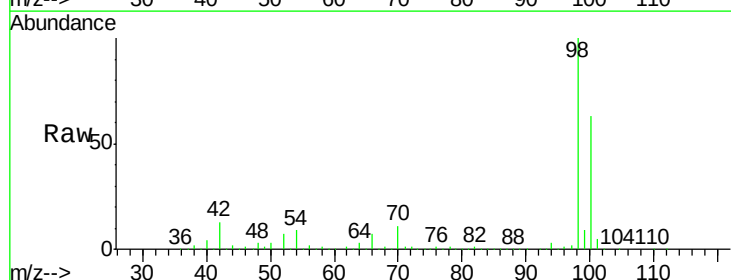
Acq: 16 Jun 2018 13:49

Tgt Ion: 98 Resp: 424637

Ion Ratio Lower Upper

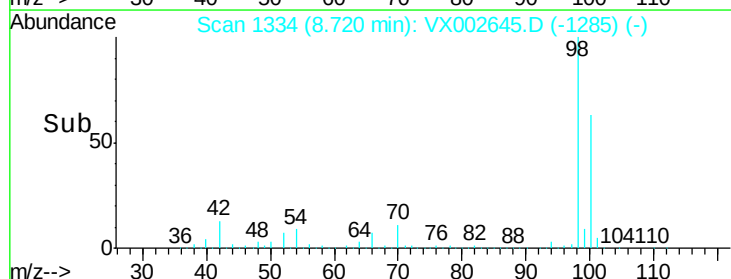
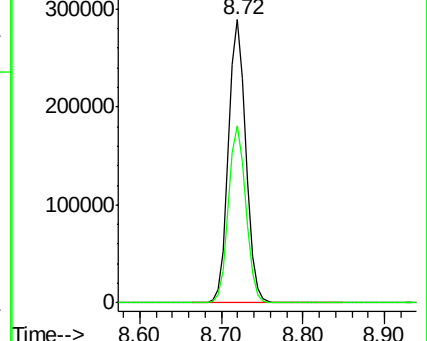
98 100

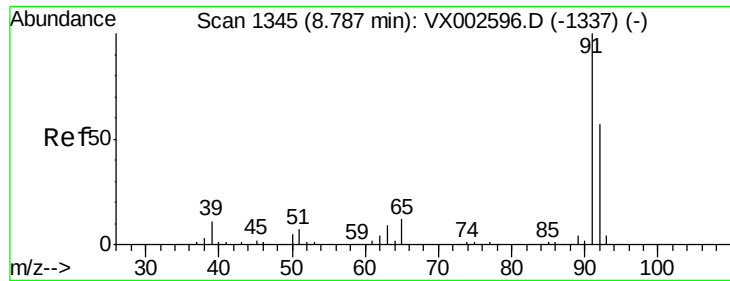
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.23 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002645.D

Acq: 16 Jun 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

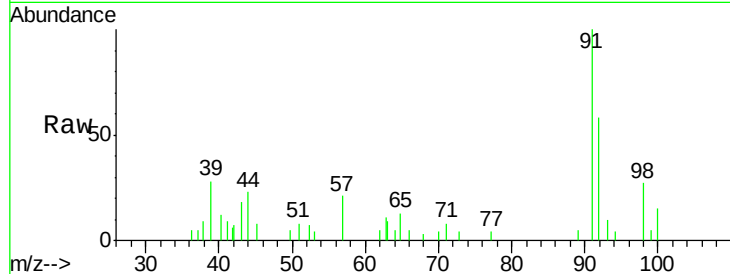
S36-0139

Tot Ion: 92 Resp: 1356

Ion Ratio Lower Upper

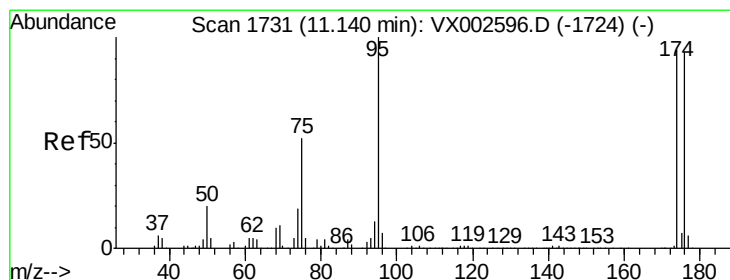
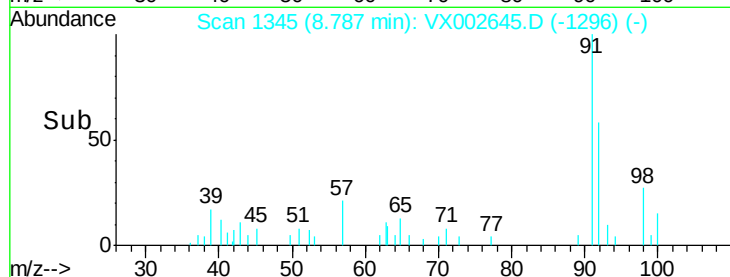
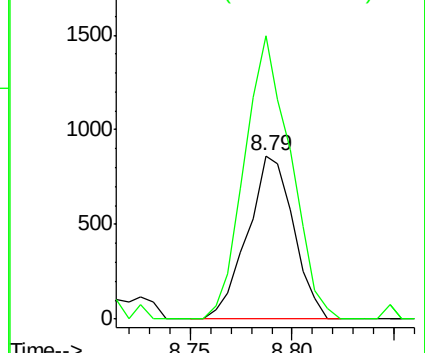
92 100

91 173.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002645.D

Acq: 16 Jun 2018 13:49

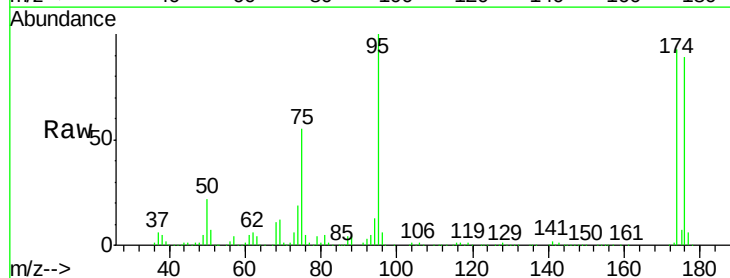
Tgt Ion: 95 Resp: 149786

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

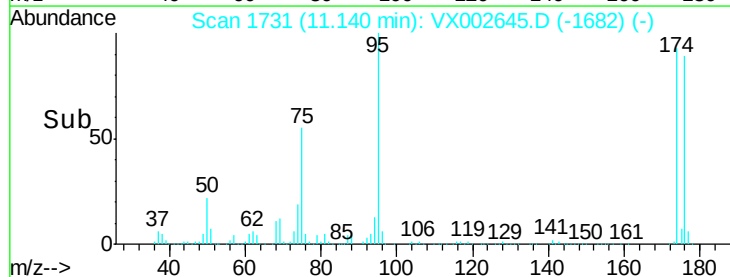
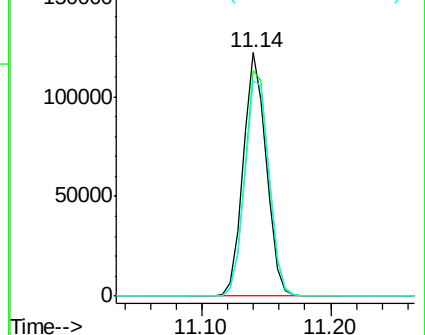
176 94.1 0.0 181.0

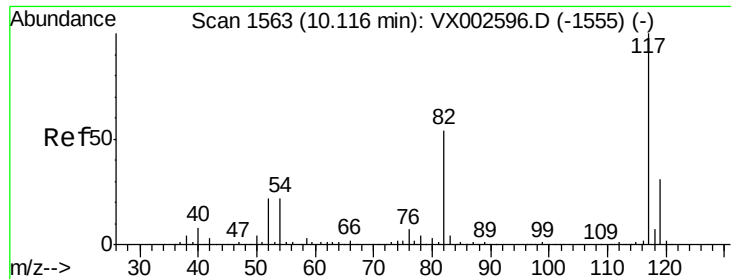


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

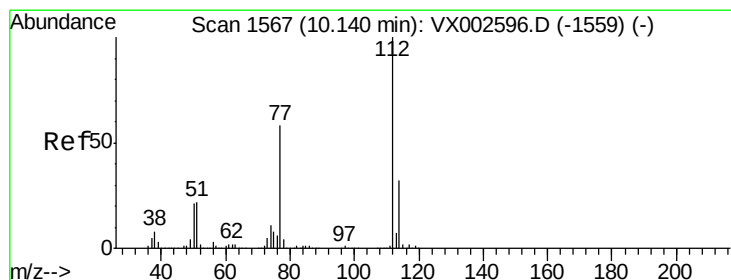
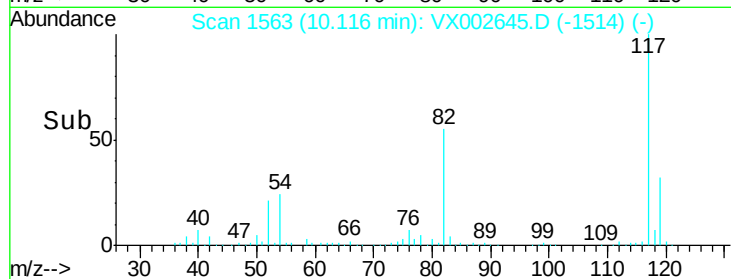
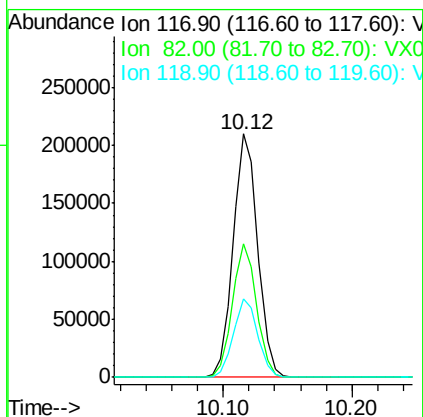
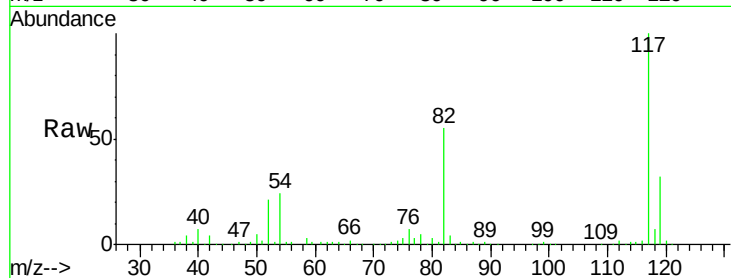




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002645.D
Acq: 16 Jun 2018 13:49

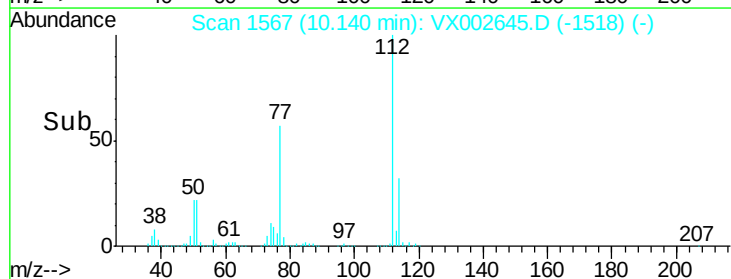
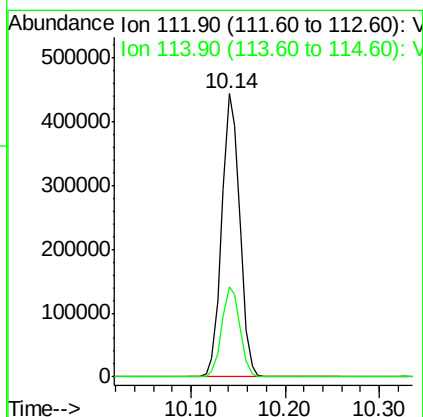
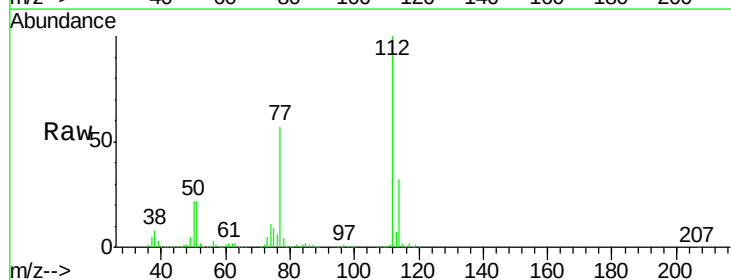
Instrument :
MSVOA_X
ClientSampled :
S36-0139

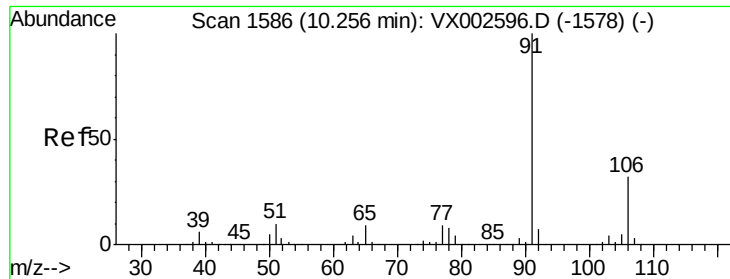
Tot Ion:117 Resp: 278796
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.4
119 32.1 25.8 38.6



#65
Chlorobenzene
Concen: 85.69 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002645.D
Acq: 16 Jun 2018 13:49

Tgt Ion:112 Resp: 586675
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

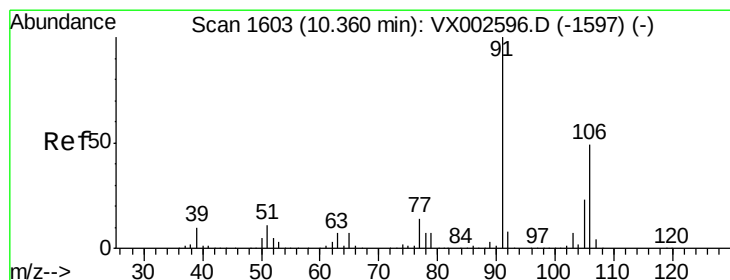
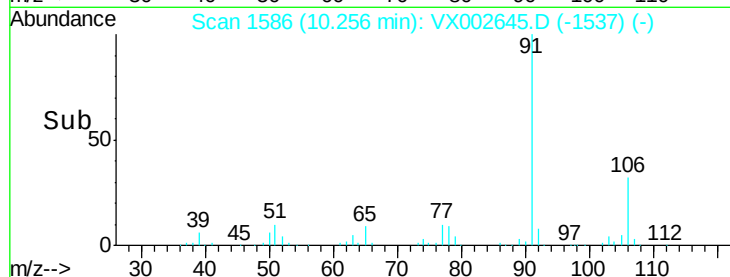
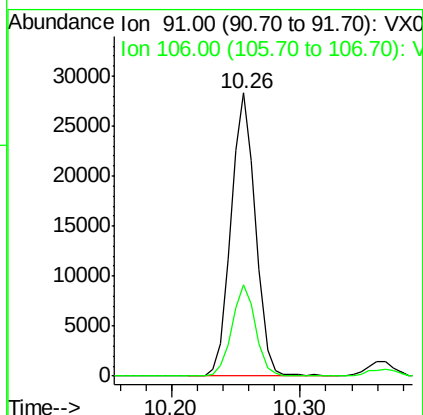
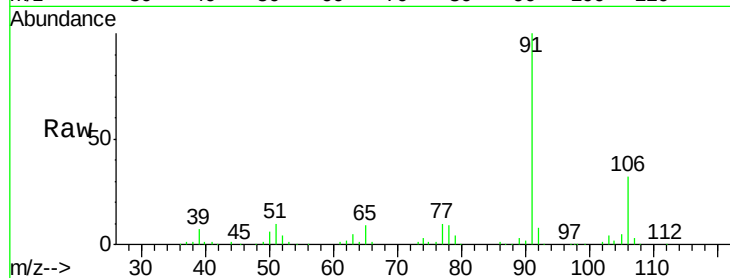




#67
Ethyl Benzene
Concen: 3.26 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002645.D
Acq: 16 Jun 2018 13:49

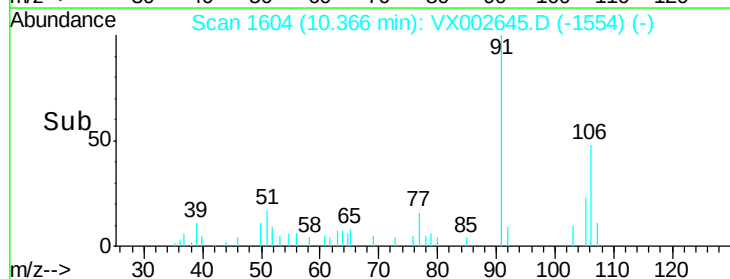
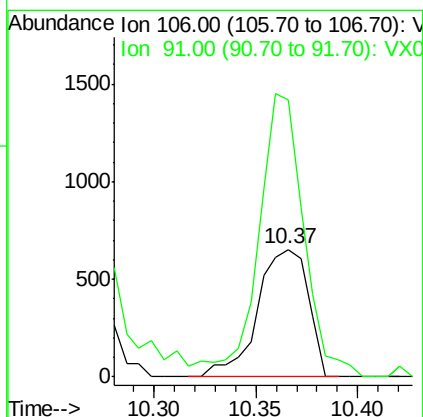
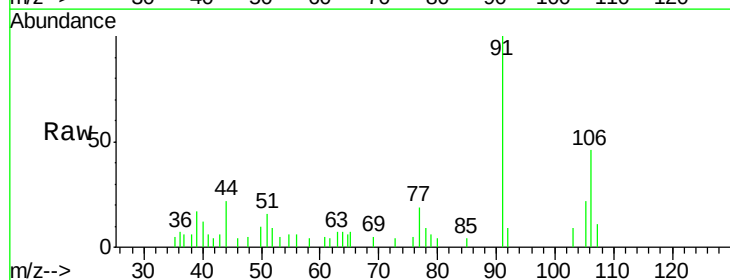
Instrument :
MSVOA_X
ClientSampled :
S36-0139

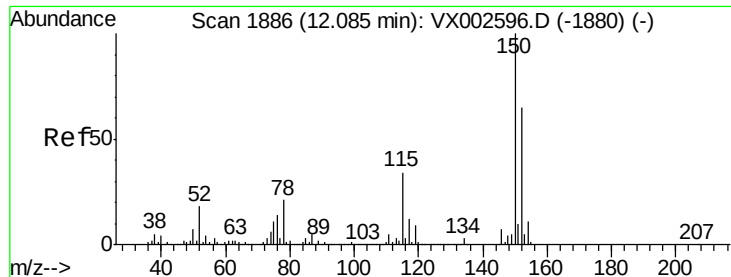
Tot Ion: 91 Resp: 37680
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 0.26 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002645.D
Acq: 16 Jun 2018 13:49

Tgt Ion: 106 Resp: 1137
Ion Ratio Lower Upper
106 100
91 193.0 163.4 245.2

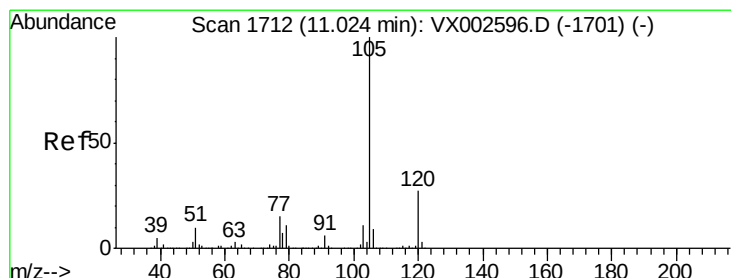
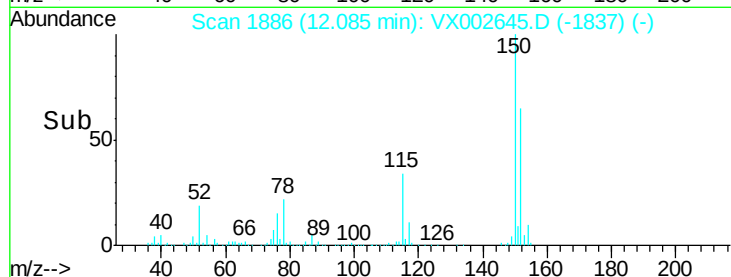
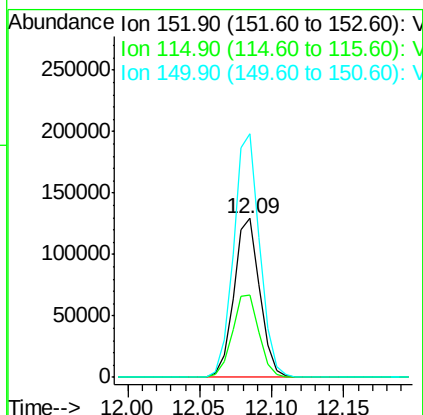
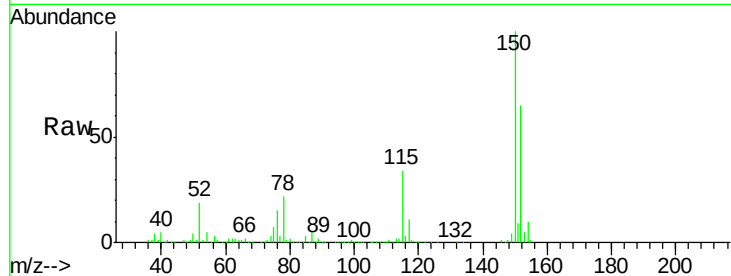




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX002645.D
 Acq: 16 Jun 2018 13:49

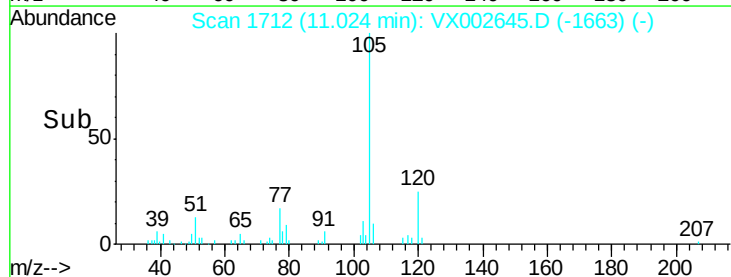
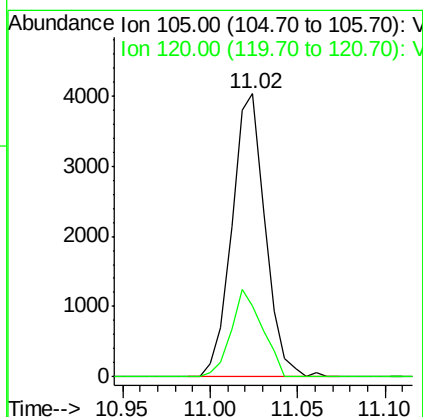
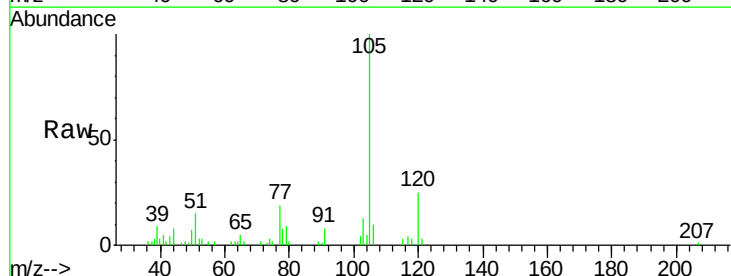
Instrument :
 MSVOA_X
 ClientSampled :
 S36-0139

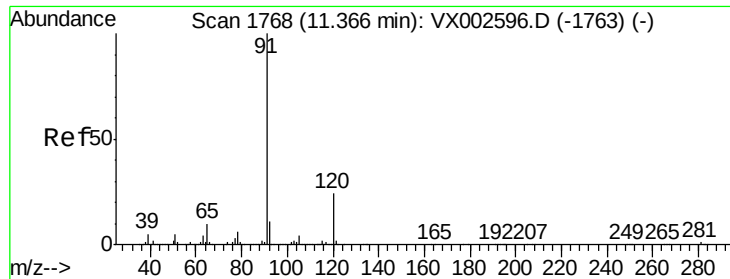
Tot Ion:152 Resp: 162215
 Ion Ratio Lower Upper
 152 100
 115 53.7 40.1 120.2
 150 155.1 0.0 347.2



#73
 Isopropylbenzene
 Concen: 0.49 ug/l
 RT: 11.02 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VX002645.D
 Acq: 16 Jun 2018 13:49

Tgt Ion:105 Resp: 5315
 Ion Ratio Lower Upper
 105 100
 120 29.0 13.5 40.4





#78

n-propylbenzene

Concen: 0.35 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002645.D

Acq: 16 Jun 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

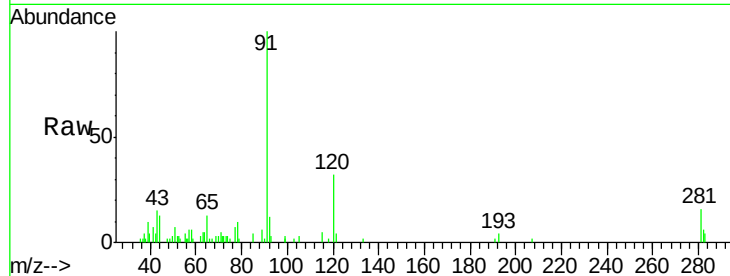
S36-0139

Tot Ion: 91 Resp: 4353

Ion Ratio Lower Upper

91 100

120 27.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX002645.D (-1763) (-)

Ion 120.00 (119.70 to 120.70): VX002645.D (-1763) (-)

11.37

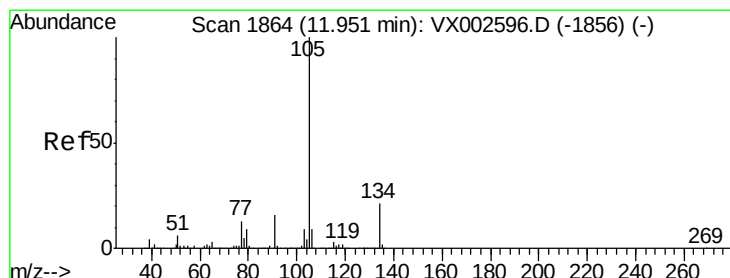
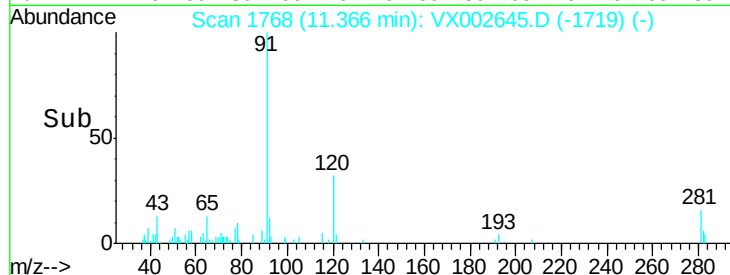
3000

2000

1000

0

Time--> 11.30 11.35 11.40



#85

sec-Butylbenzene

Concen: 0.29 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002645.D

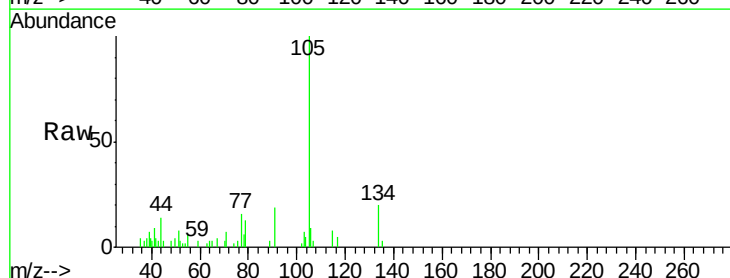
Acq: 16 Jun 2018 13:49

Tgt Ion: 105 Resp: 3202

Ion Ratio Lower Upper

105 100

134 29.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): VX002645.D (-1856) (-)

Ion 134.00 (133.70 to 134.70): VX002645.D (-1856) (-)

11.95

3000

2500

2000

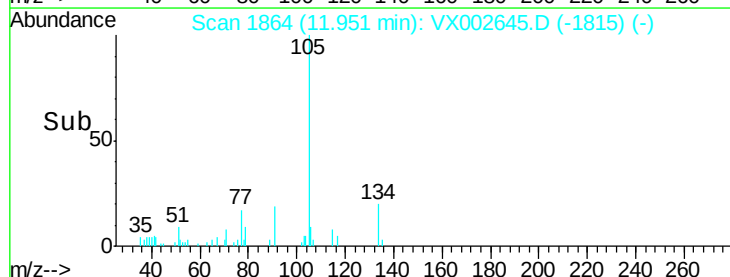
1500

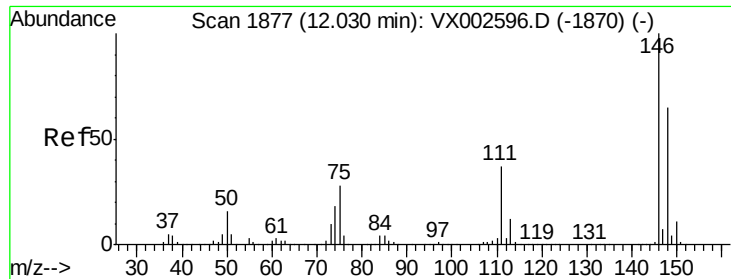
1000

500

0

Time--> 11.90 11.95 12.00

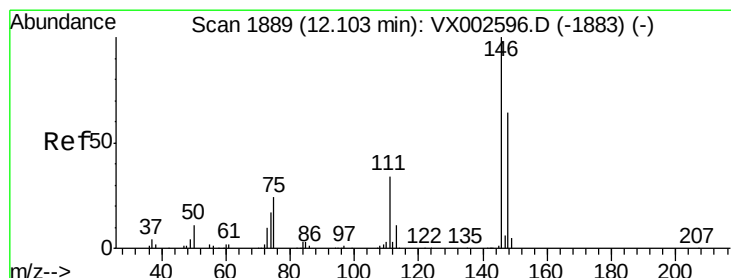
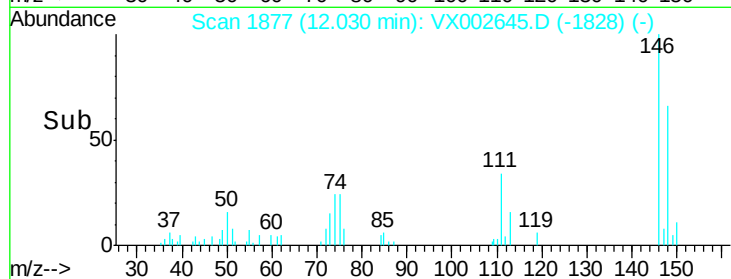
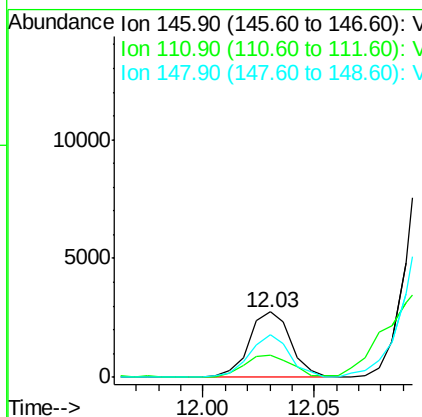
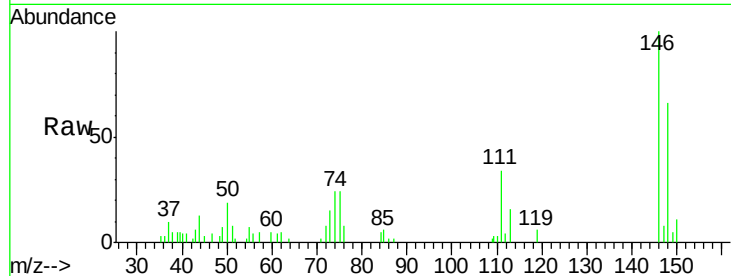




#87
 1,3-Dichlorobenzene
 Concen: 0.65 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002645.D
 Acq: 16 Jun 2018 13:49

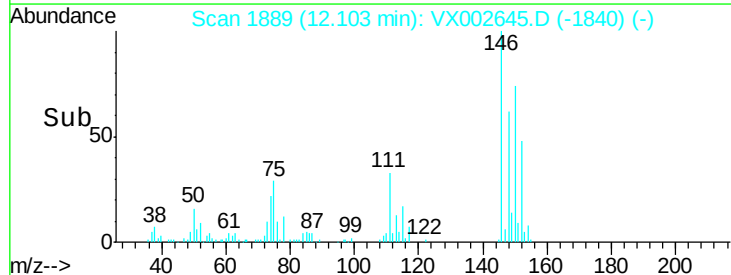
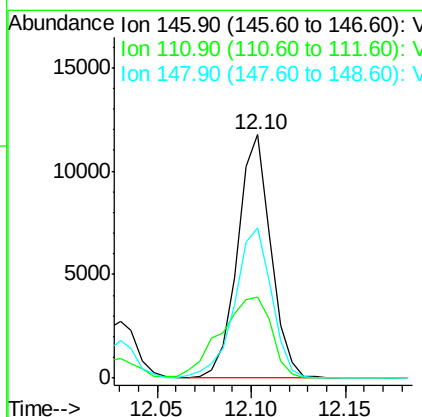
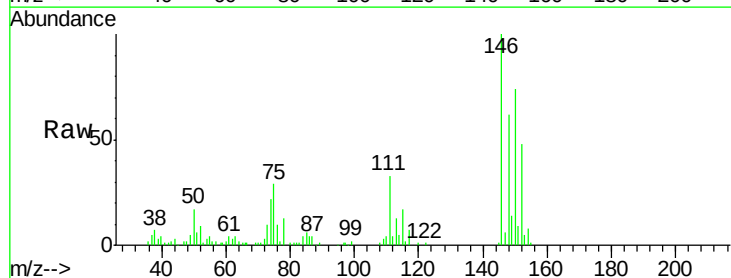
Instrument :
 MSVOA_X
 ClientSampled :
 S36-0139

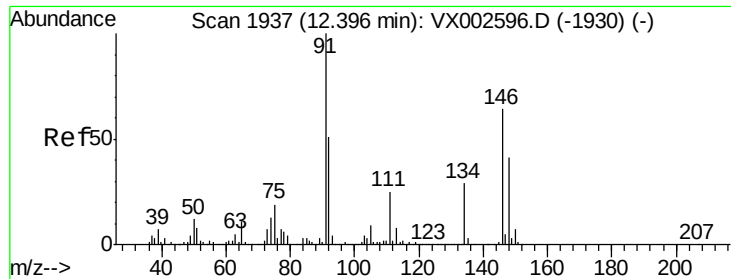
Tot Ion:146 Resp: 3593
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.9 56.7
 148 63.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 2.55 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002645.D
 Acq: 16 Jun 2018 13:49

Tgt Ion:146 Resp: 14394
 Ion Ratio Lower Upper
 146 100
 111 51.2 18.7 56.1
 148 68.5 32.4 97.0





#91
 1,2-Dichlorobenzene
 Concen: 1.22 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002645.D
 Acq: 16 Jun 2018 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0139

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	64.4	31.7	95.1

