

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002705.D
 Acq On : 19 Jun 2018 03:40
 Operator : JC/MD
 Sample : J3536-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:13:16 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	206392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	293599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	273057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152271	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	153422	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
35) Dibromofluoromethane	5.51	113	120933	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
50) Toluene-d8	8.72	98	457266	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.14	95	156986	46.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.12%	

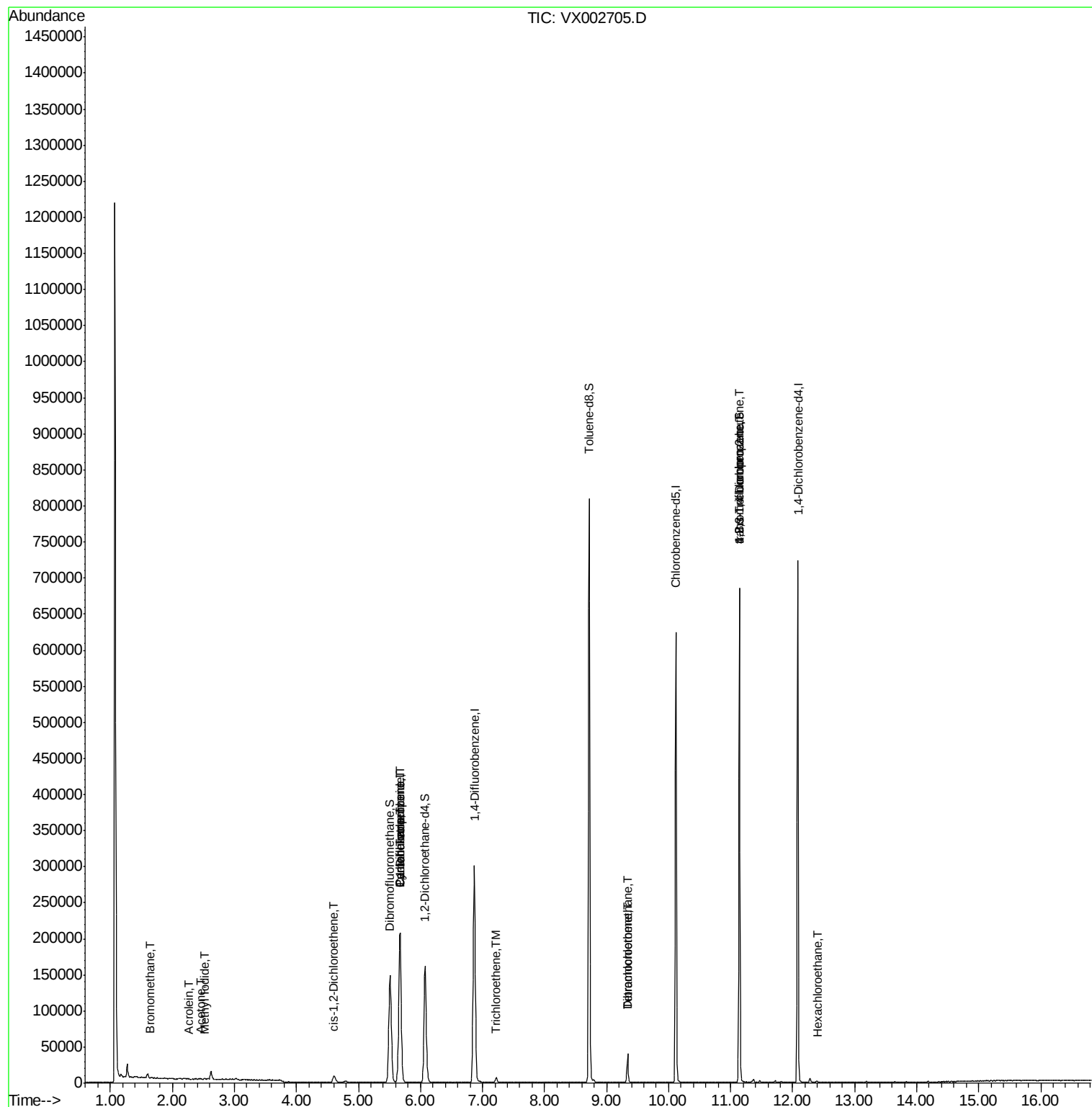
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1221	0.75	ug/l	97
10) Methyl Iodide	2.52	142	826	5.40	ug/l	90
13) Acrolein	2.28	56	133	7.29	ug/l	99
16) Acetone	2.45	43	1336	0.97	ug/l #	89
27) cis-1,2-Dichloroethene	4.60	96	4165	1.64	ug/l	48
31) Cyclohexane	5.67	56	4379	1.18	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14352	4.60	ug/l #	41
38) Carbon Tetrachloride	5.67	117	19484	6.27	ug/l #	15
44) Trichloroethene	7.23	130	2241	0.83	ug/l	93
60) Dibromochloromethane	9.34	129	6440	5.96	ug/l #	11
64) Tetrachloroethene	9.34	164	7144	2.36	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	84360	29.36	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	84360	90.27	ug/l #	7
90) Hexachloroethane	12.41	117	20	2.64	ug/l #	1

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

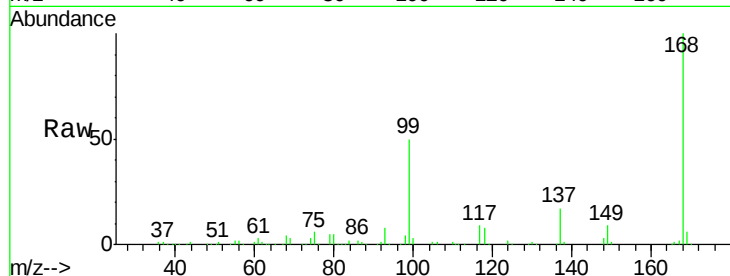
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 206392

Ion Ratio Lower Upper

168 100

99 49.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

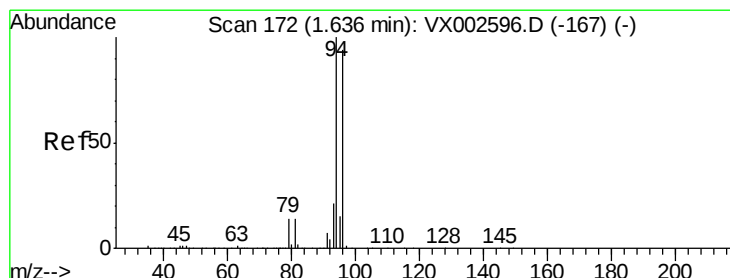
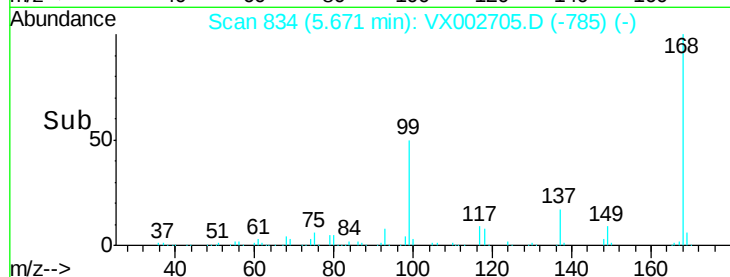
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.75 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002705.D

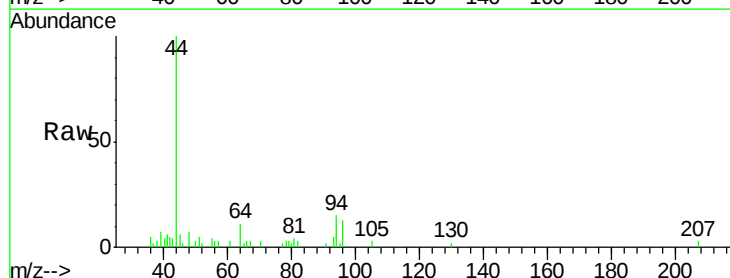
Acq: 19 Jun 2018 03:40

Tgt Ion: 94 Resp: 1221

Ion Ratio Lower Upper

94 100

96 90.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

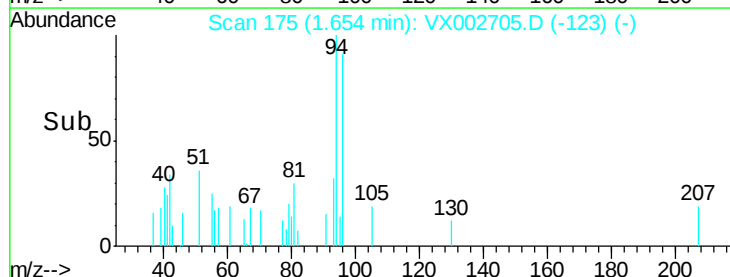
300

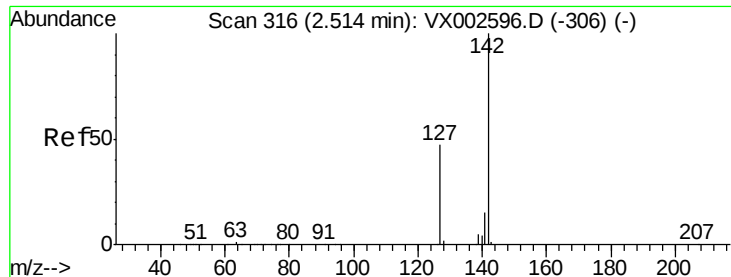
200

100

0

Time--> 1.60 1.65 1.70

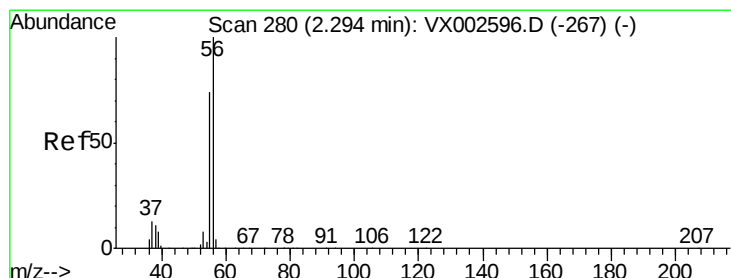
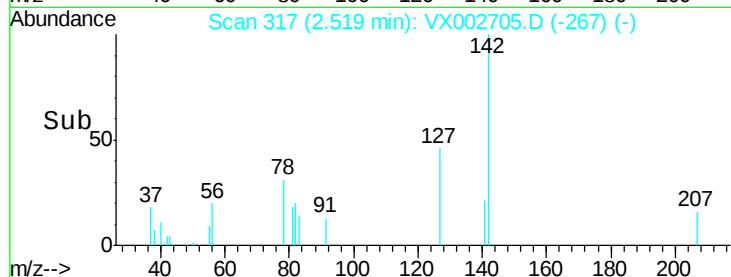
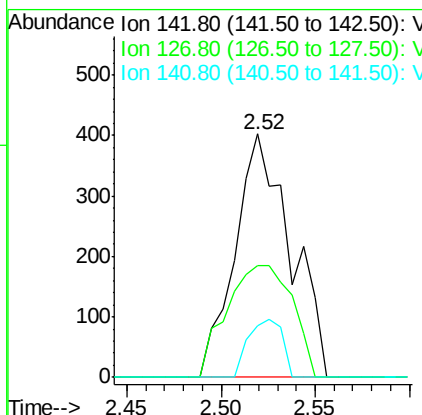
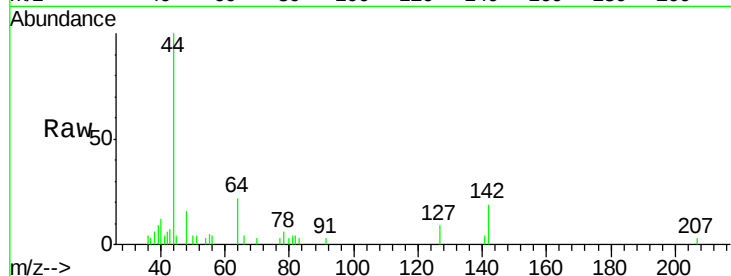




#10
Methvl Iodide
Concen: 5.40 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002705.D
Acq: 19 Jun 2018 03:40

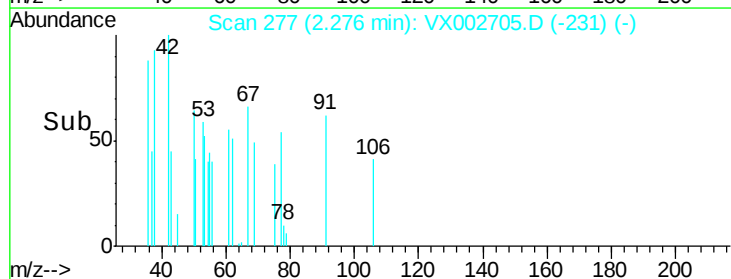
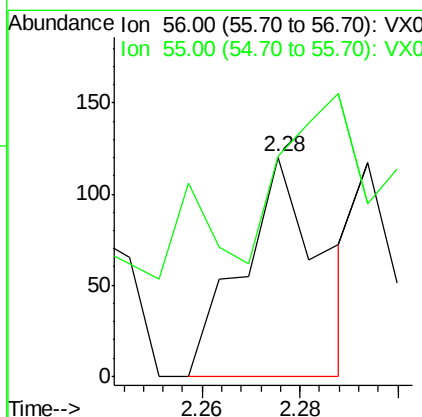
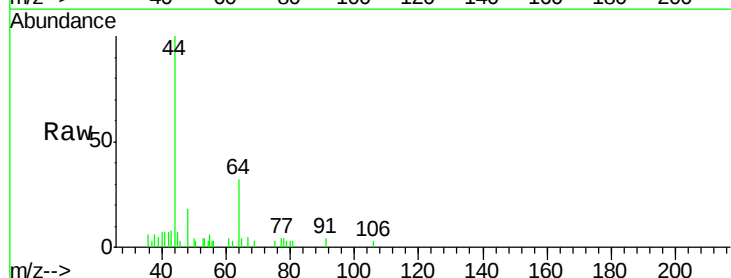
Instrument :
MSVOA_X
ClientSampled :

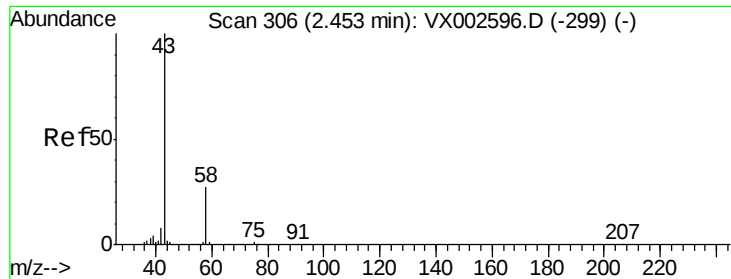
Tot Ion:142 Resp: 826
Ion Ratio Lower Upper
142 100
127 54.2 36.6 55.0
141 14.5 11.3 16.9



#13
Acrolein
Concen: 7.29 ug/l
RT: 2.28 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX002705.D
Acq: 19 Jun 2018 03:40

Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 72.2 57.0 85.4





#16

Acetone

Concen: 0.97 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

Instrument :

MSVOA_X

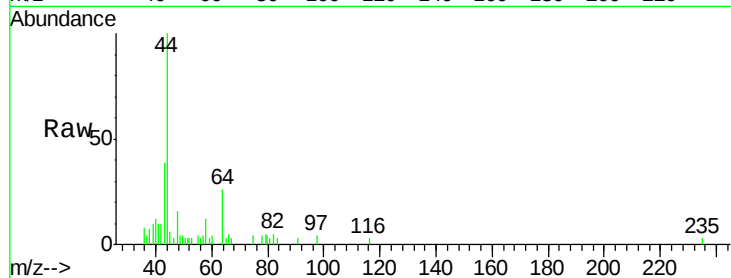
ClientSampled :

Tot Ion: 43 Resp: 1336

Ion Ratio Lower Upper

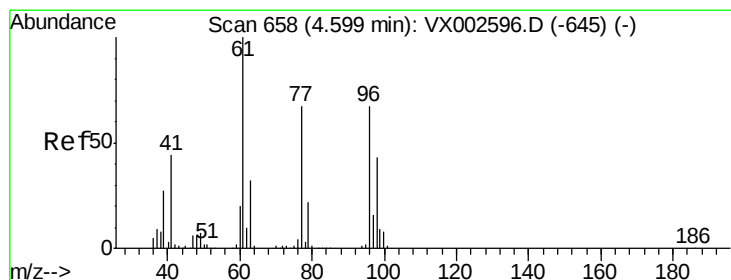
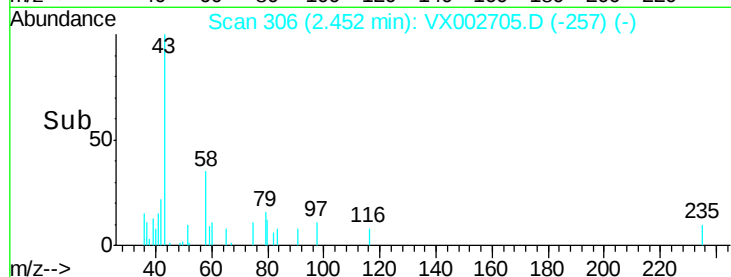
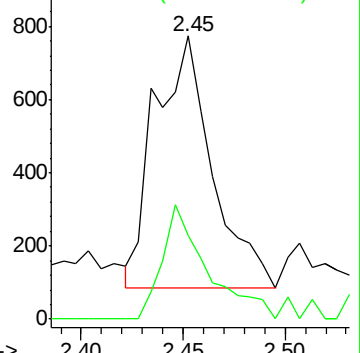
43 100

58 33.2 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.64 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

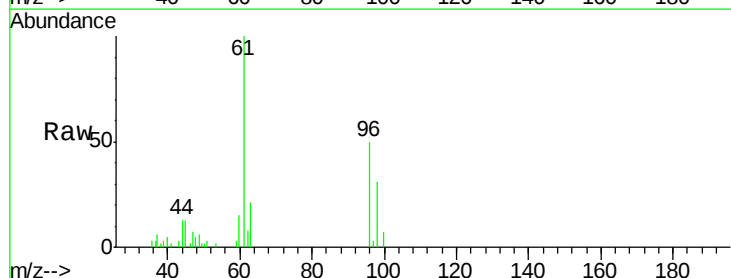
Tgt Ion: 96 Resp: 4165

Ion Ratio Lower Upper

96 100

61 258.0 0.0 330.2

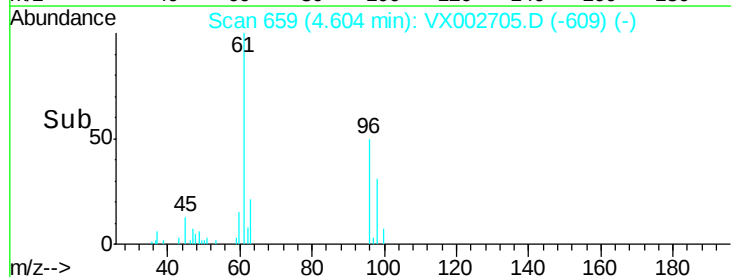
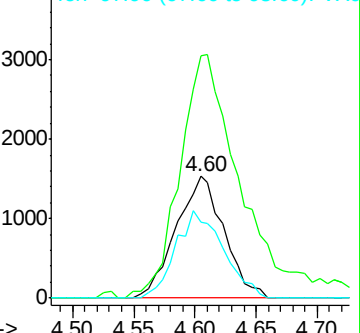
98 71.0 0.0 130.2

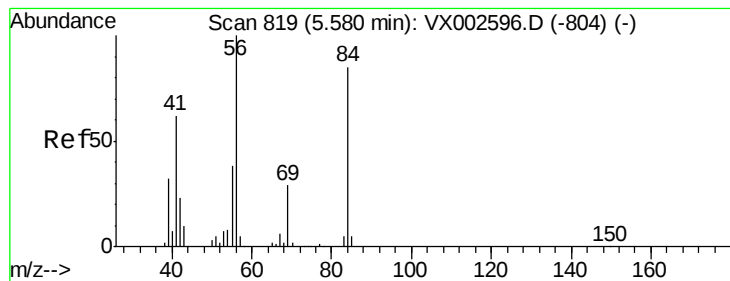


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.18 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

Instrument :
MSVOA_X
ClientSampleId :

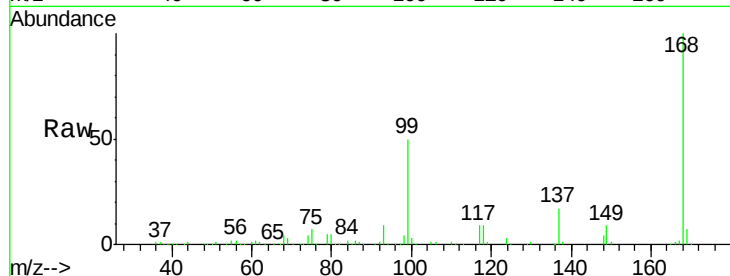
Tot Ion: 56 Resp: 4379

Ion Ratio Lower Upper

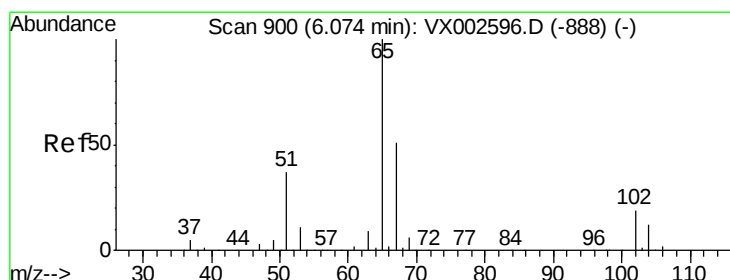
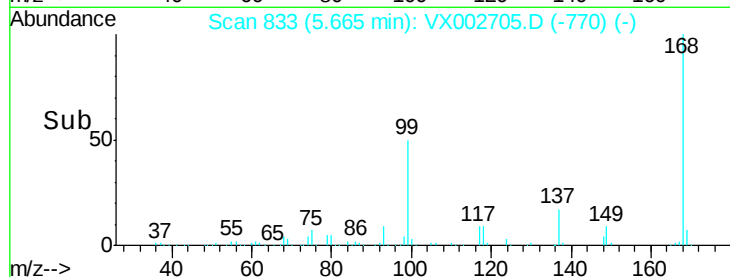
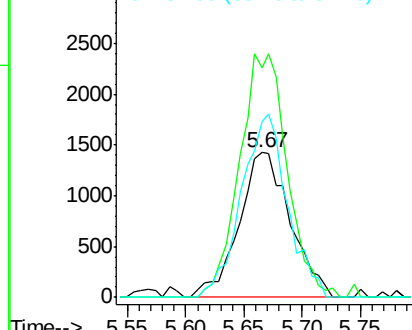
56 100

69 158.9 23.7 35.5#

84 121.7 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: 48.92 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002705.D

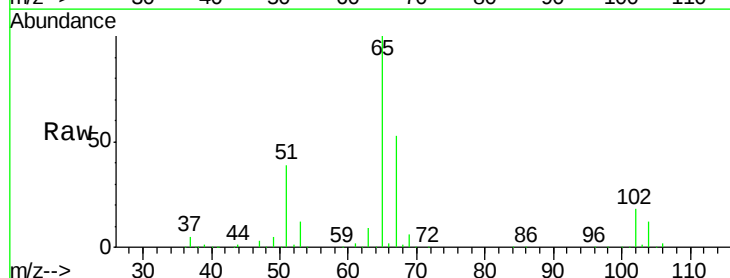
Acq: 19 Jun 2018 03:40

Tgt Ion: 65 Resp: 153422

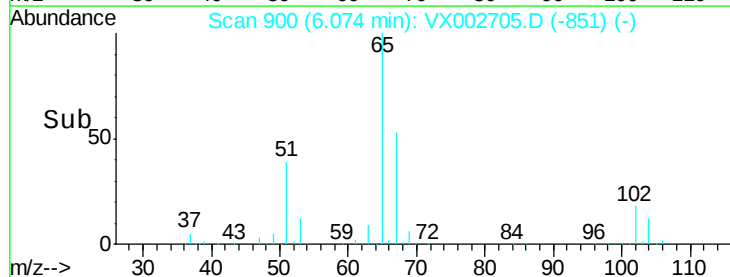
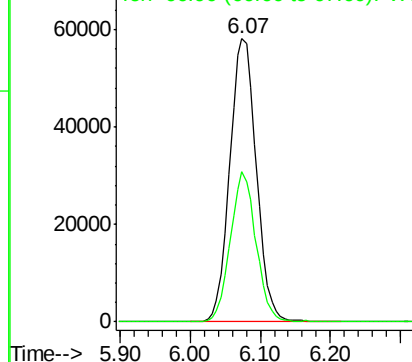
Ion Ratio Lower Upper

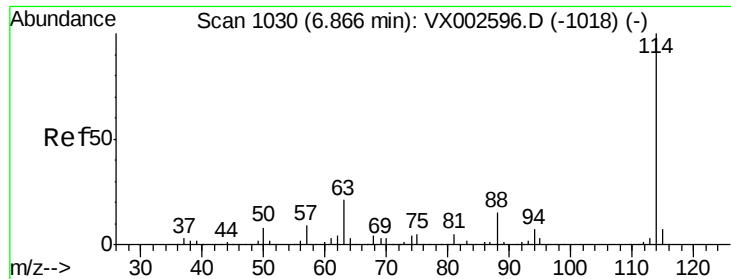
65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

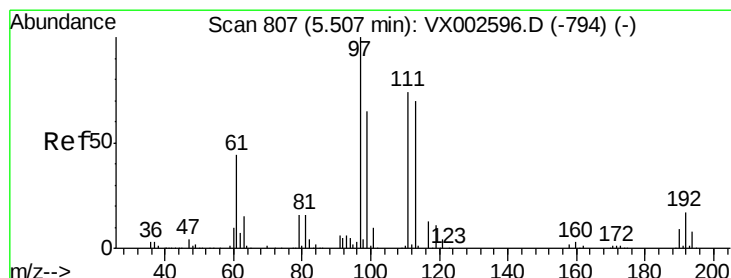
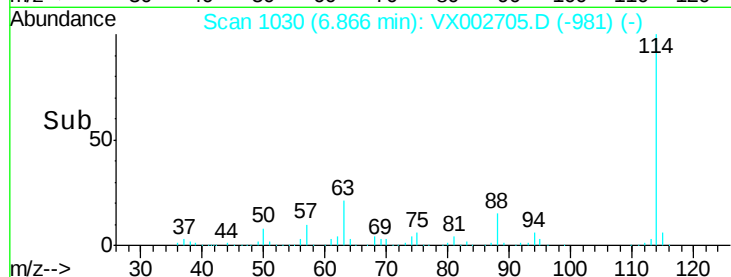
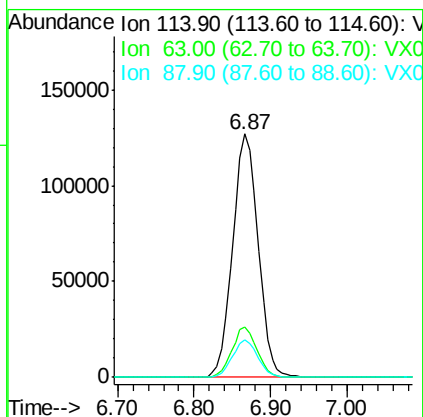
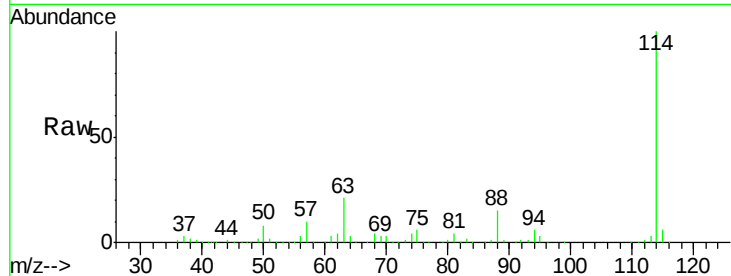




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002705.D
 Acq: 19 Jun 2018 03:40

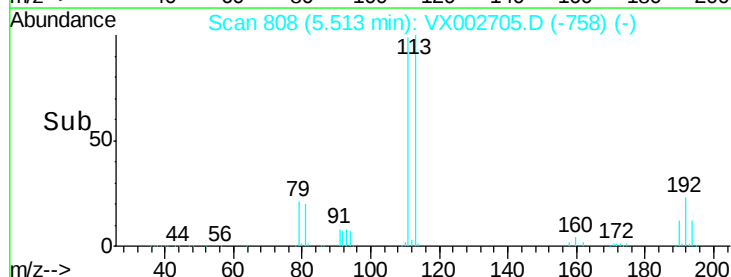
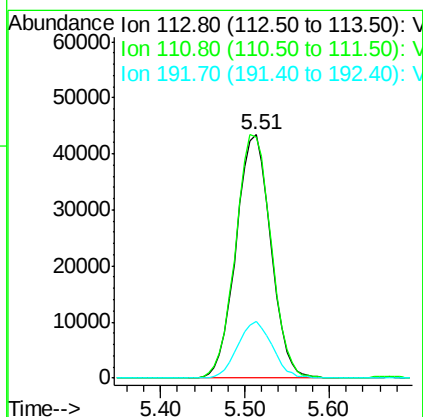
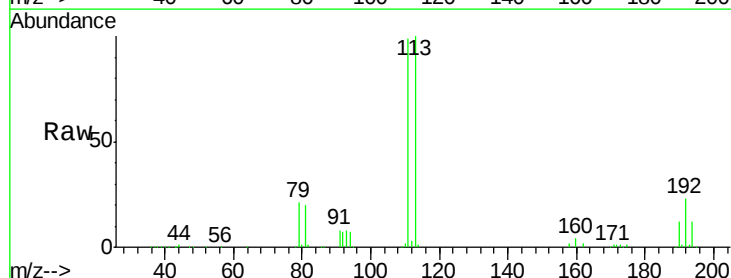
Instrument :
 MSVOA_X
 ClientSampleId :

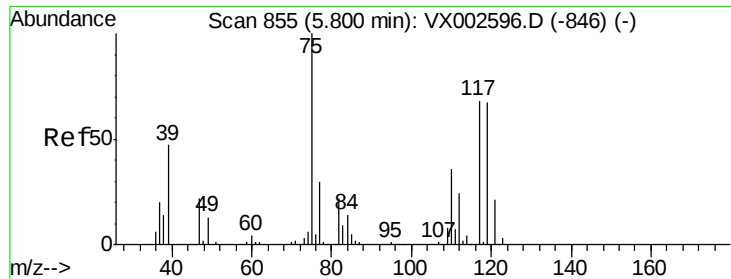
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.4
88	15.2	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 51.61 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX002705.D
 Acq: 19 Jun 2018 03:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	23.3	19.1	28.7

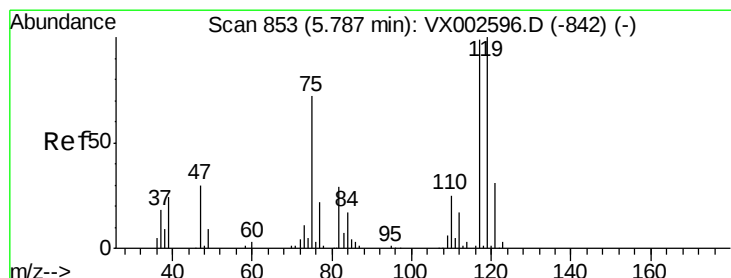
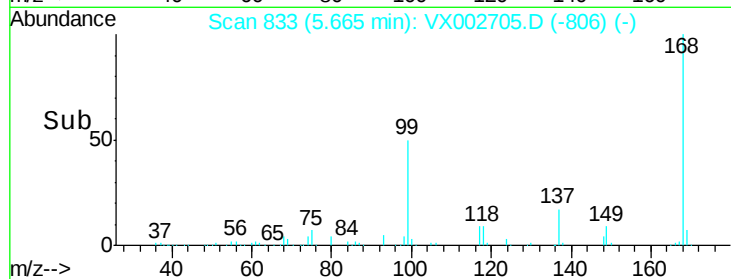
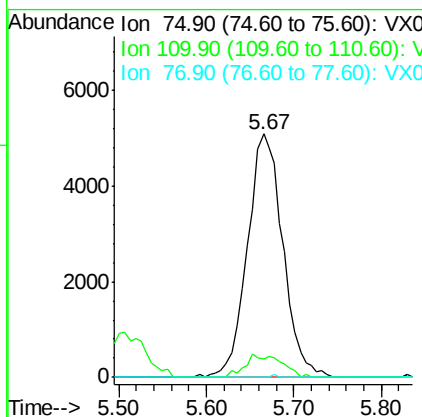
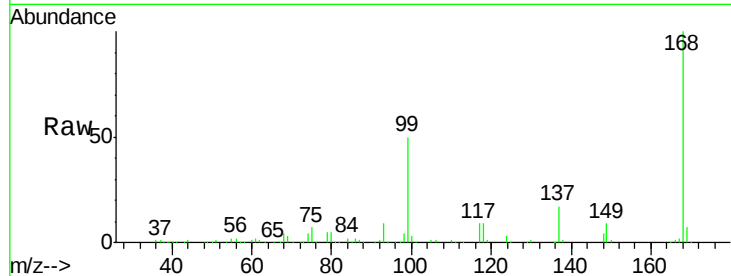




#36
 1,1-Dichloropropene
 Concen: 4.60 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002705.D
 Acq: 19 Jun 2018 03:40

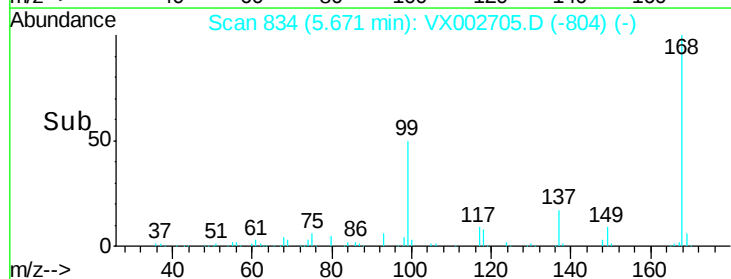
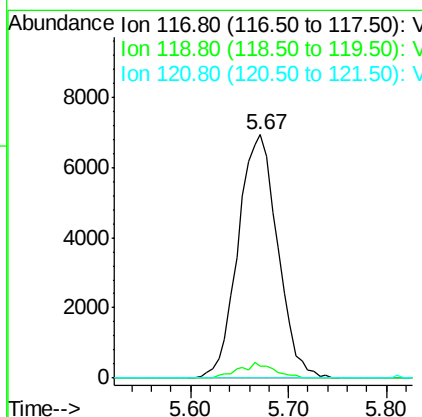
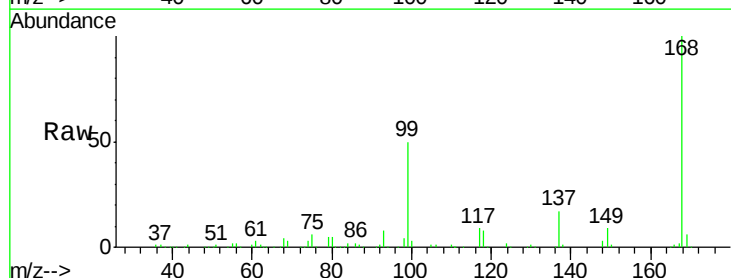
Instrument :
 MSVOA_X
 ClientSampleId :

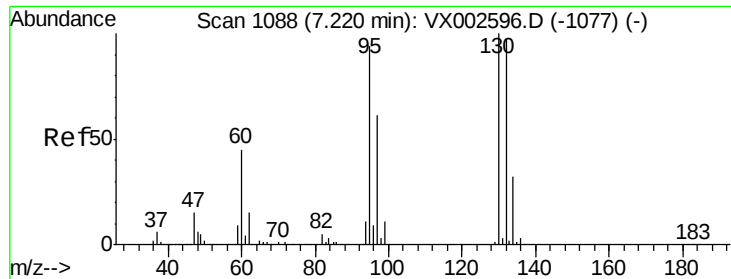
Tot Ion	75	Resp	14352
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.4#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.27 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002705.D
 Acq: 19 Jun 2018 03:40

Tgt Ion	117	Resp	19484
Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.4	116.0#
121	0.0	24.4	36.6#





#44

Trichloroethene

Concen: 0.83 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

Instrument :

MSVOA_X

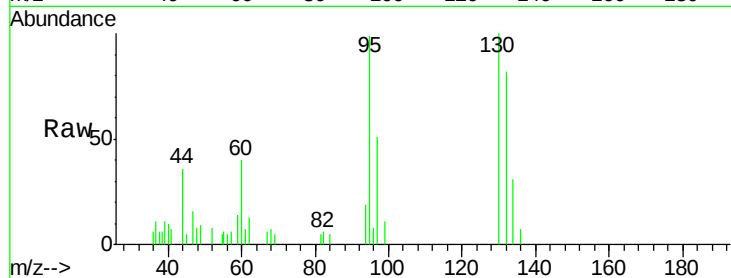
ClientSampleId :

Tot Ion:130 Resp: 2241

Ion Ratio Lower Upper

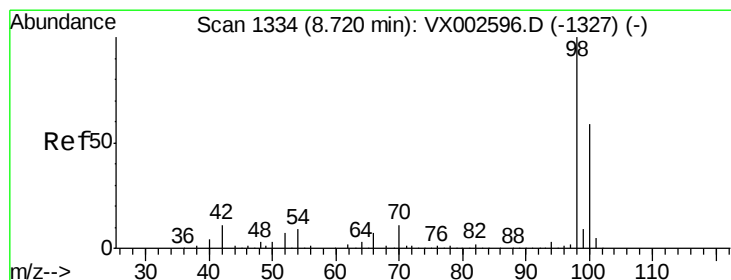
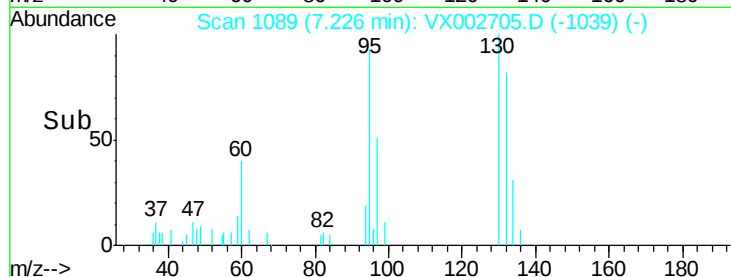
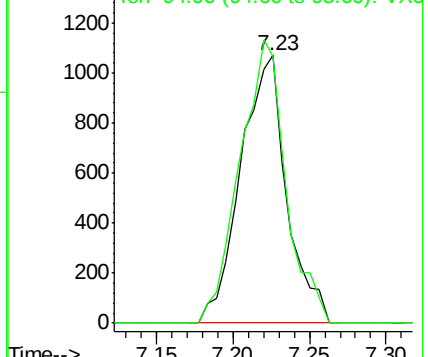
130 100

95 99.4 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002705.D

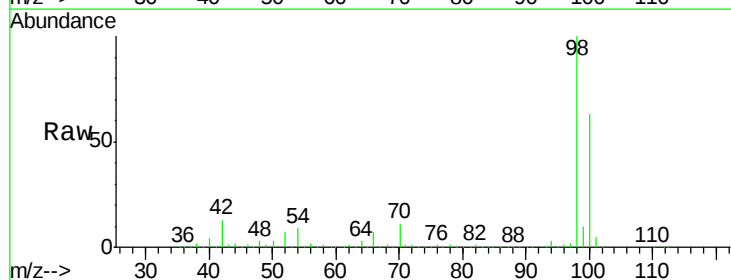
Acq: 19 Jun 2018 03:40

Tgt Ion: 98 Resp: 457266

Ion Ratio Lower Upper

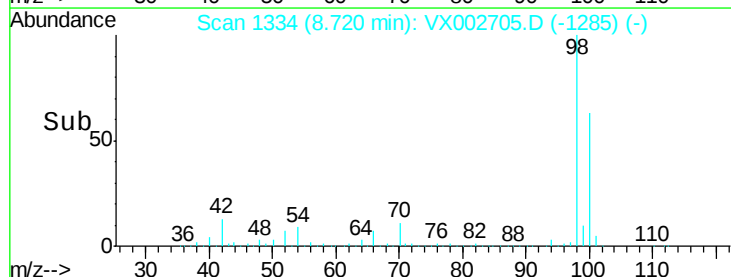
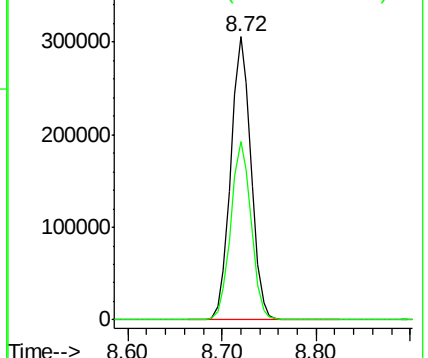
98 100

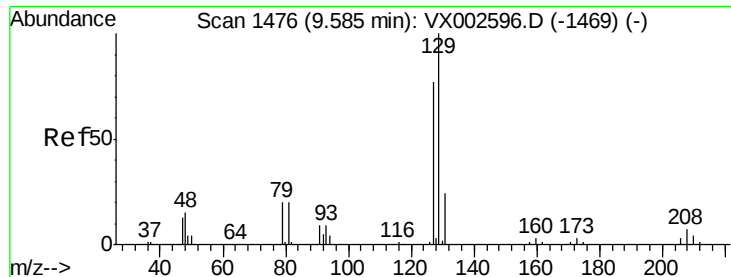
100 63.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 5.96 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.24 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

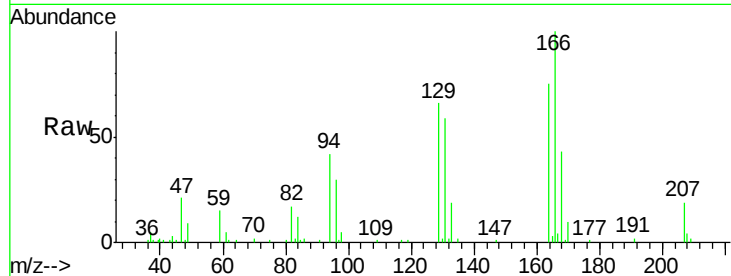
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 6440

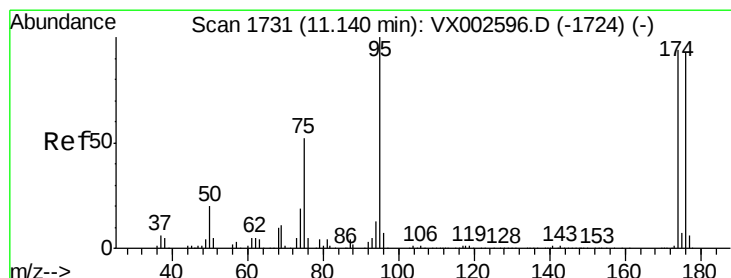
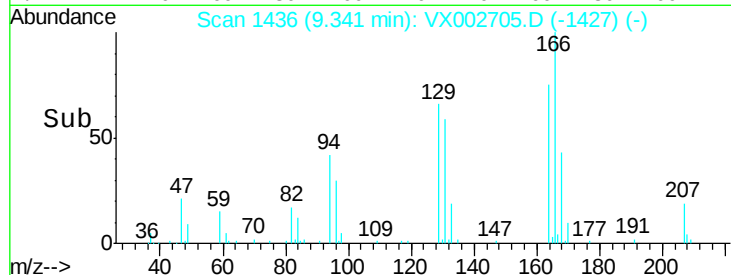
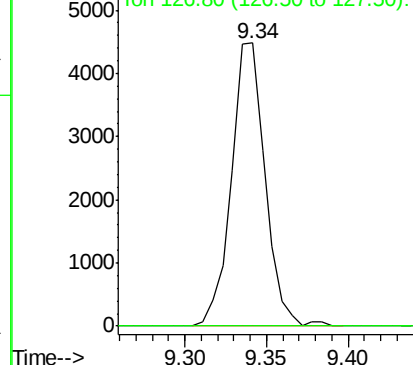
Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

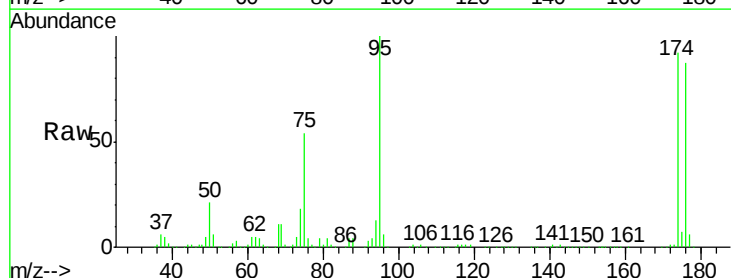
Tgt Ion: 95 Resp: 156986

Ion Ratio Lower Upper

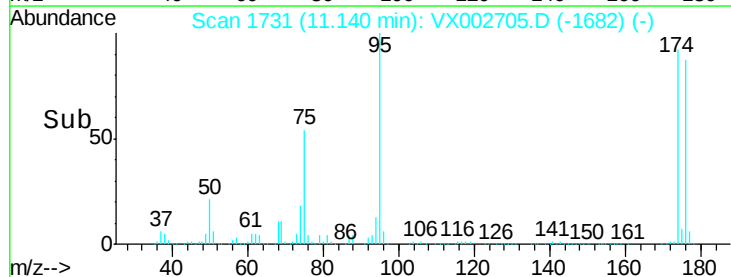
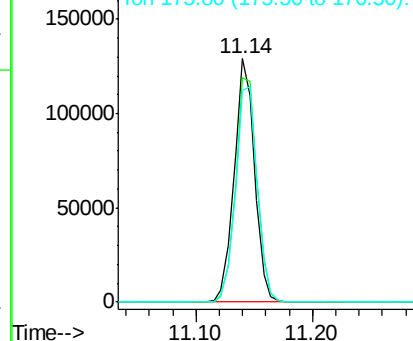
95 100

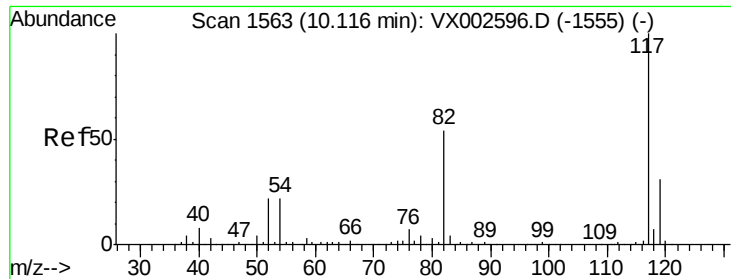
174 97.4 0.0 187.4

176 94.7 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

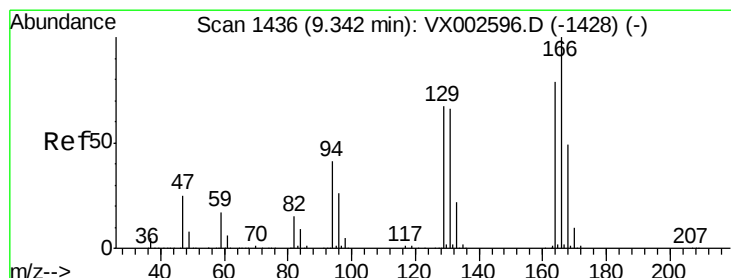
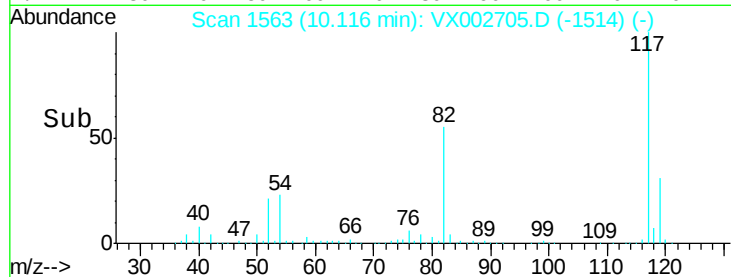
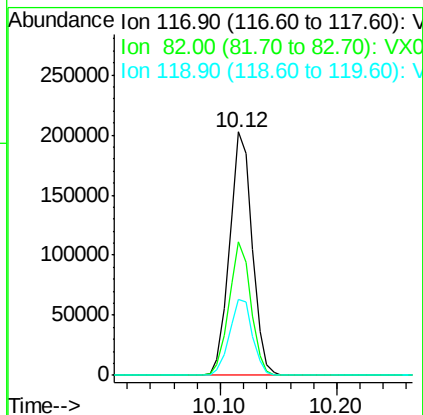
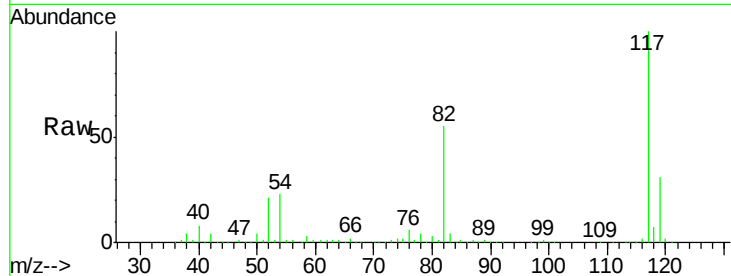




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002705.D
Acq: 19 Jun 2018 03:40

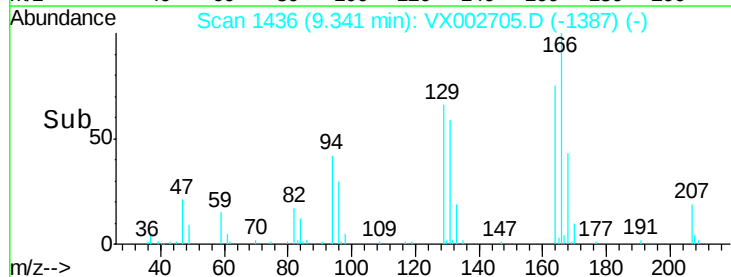
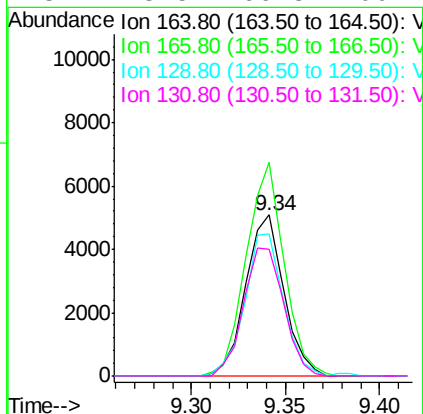
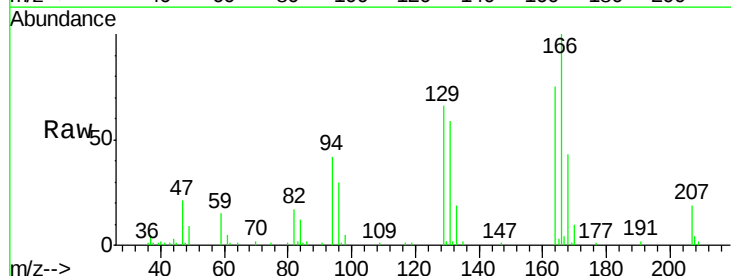
Instrument :
MSVOA_X
ClientSampled :

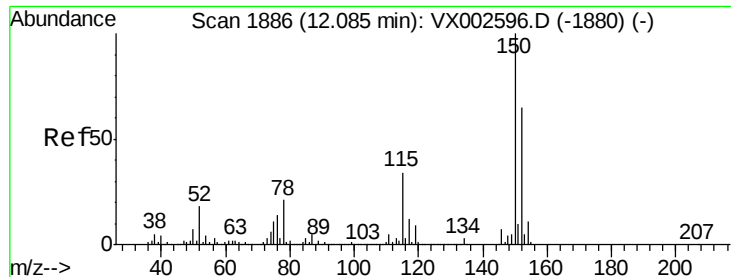
Tot Ion:117 Resp: 273057
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 31.3 25.8 38.6



#64
Tetrachloroethene
Concen: 2.36 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002705.D
Acq: 19 Jun 2018 03:40

Tgt Ion:164 Resp: 7144
Ion Ratio Lower Upper
164 100
166 132.8 102.9 154.3
129 88.2 68.6 102.8
131 78.5 66.8 100.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

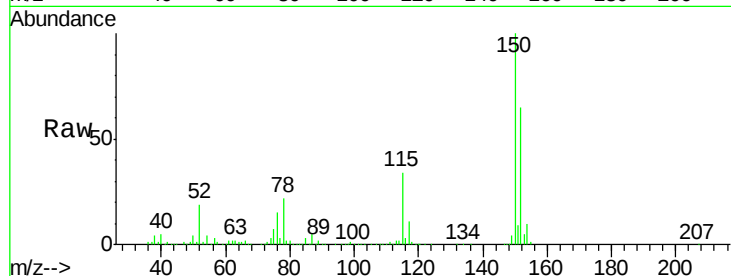
Tot Ion:152 Resp: 152271

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

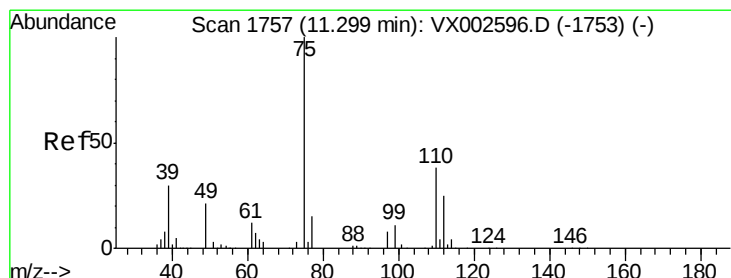
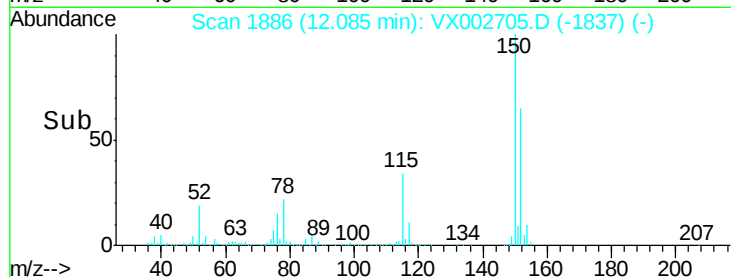
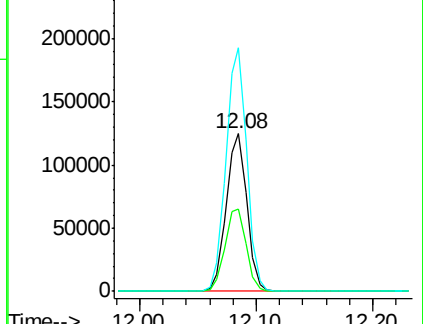
150 156.0 0.0 347.2



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: 29.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002705.D

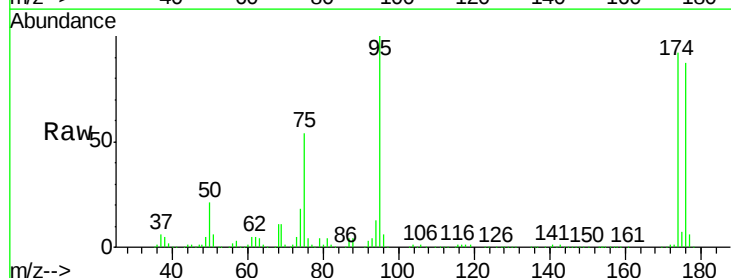
Acq: 19 Jun 2018 03:40

Tgt Ion: 75 Resp: 84360

Ion Ratio Lower Upper

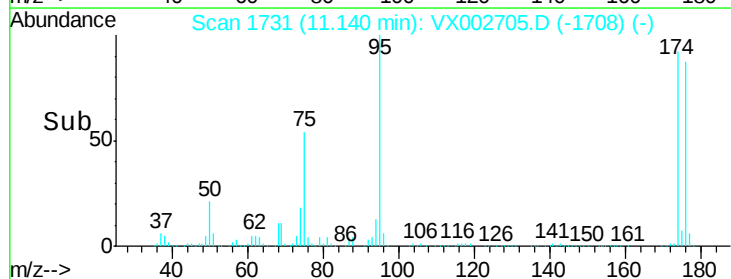
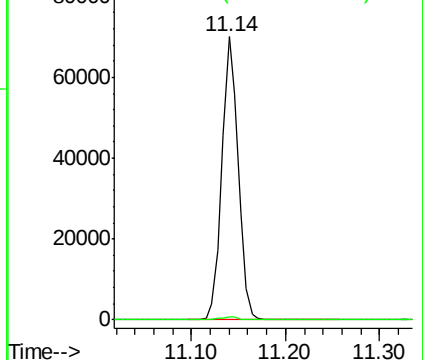
75 100

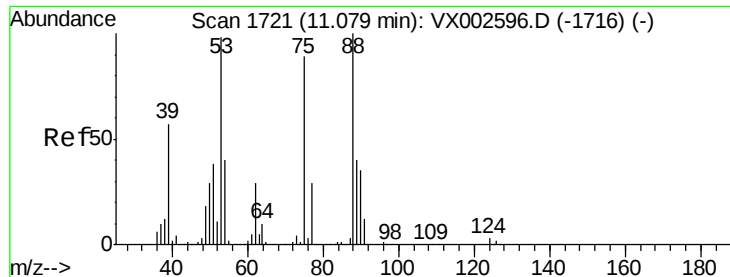
77 1.1 22.8 68.3#



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: 90.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002705.D

Acq: 19 Jun 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

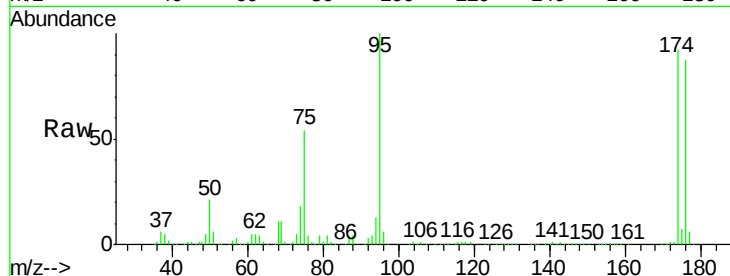
Tot Ion: 75 Resp: 84360

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

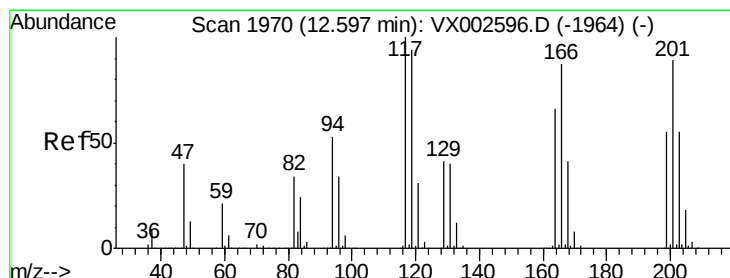
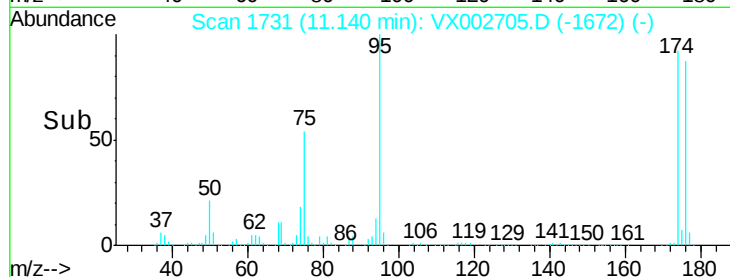
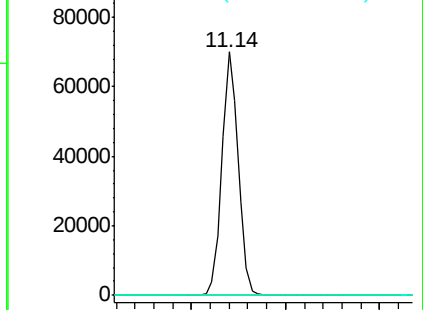
89 0.1 38.2 57.2#



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



#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.41 min Scan# 1939

Delta R.T. -0.19 min

Lab File: VX002705.D

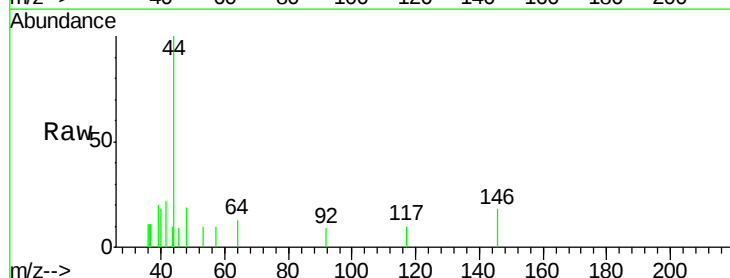
Acq: 19 Jun 2018 03:40

Tgt Ion: 117 Resp: 20

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

