

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002916.D
 Acq On : 27 Jun 2018 01:29
 Operator : JC/MD
 Sample : J3707-10 50X
 Misc : 5.68g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 02:45:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363030	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175977	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	5.51	113	140219	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	8.72	98	518266	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.14	95	184582	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	

Target Compounds

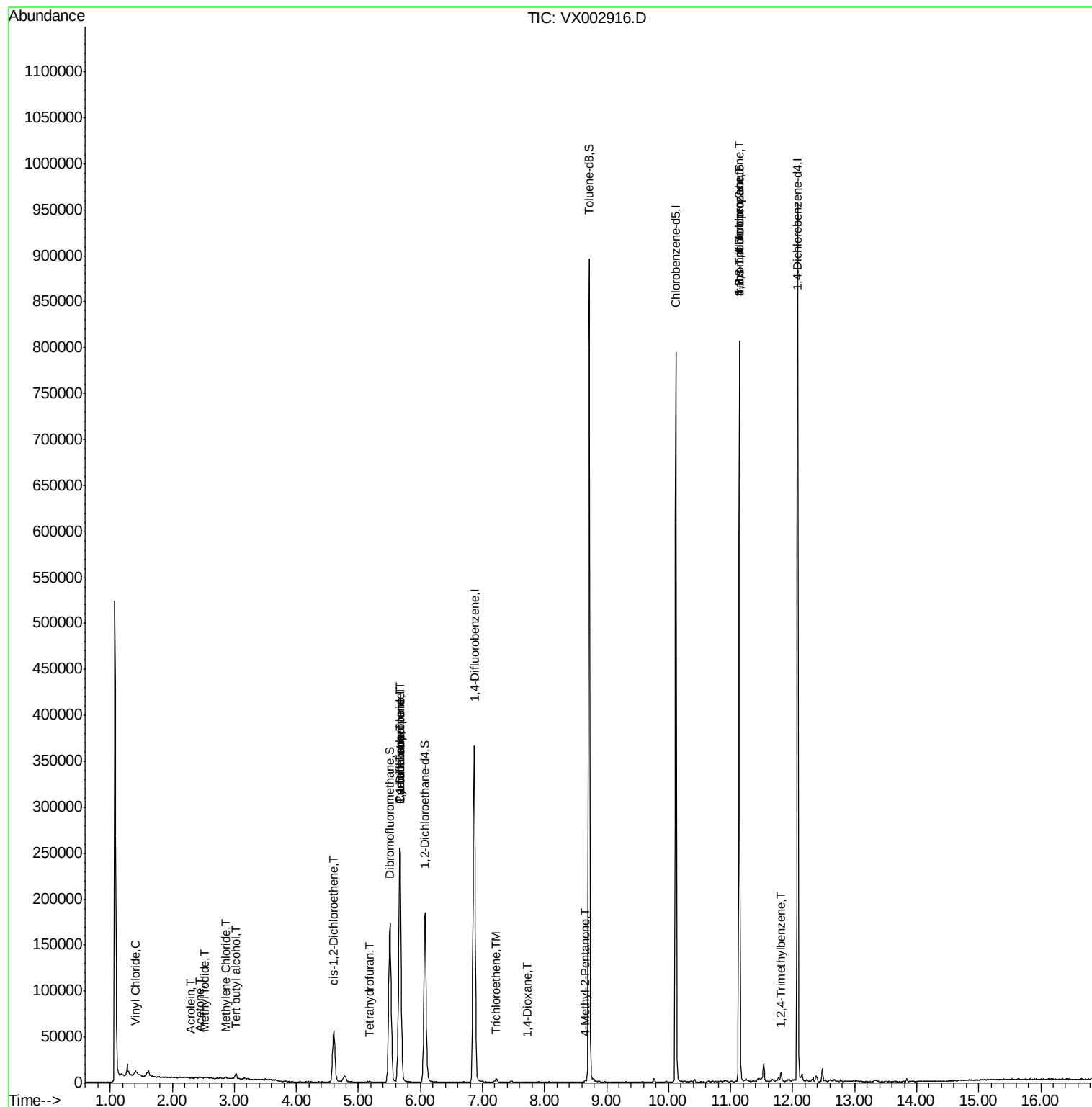
						Qvalue
2) Dichlorodifluoromethane	1.14	85	24	Below Cal	#	43
3) Chloromethane	1.34	50	596	Below Cal	#	82
4) Vinyl Chloride	1.40	62	1195	0.41	ug/l	1
5) Bromomethane	1.65	94	956	Below Cal		82
6) Chloroethane	1.75	64	173	Below Cal	#	74
10) Methyl Iodide	2.51	142	1400	6.65	ug/l	99
11) Tert butyl alcohol	3.03	59	3773	5.33	ug/l	# 81
13) Acrolein	2.30	56	134	4.57	ug/l	# 1
16) Acetone	2.45	43	1179	0.80	ug/l	# 85
20) Methylene Chloride	2.85	84	992	0.35	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	33778	10.92	ug/l	95
29) Tetrahydrofuran	5.18	42	575	0.41	ug/l	95
31) Cyclohexane	5.66	56	5321	1.19	ug/l	# 7
36) 1,1-Dichloropropene	5.67	75	17832	4.48	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	23110	5.29	ug/l	# 16
44) Trichloroethene	7.21	130	1262	0.37	ug/l	77
49) 1,4-Dioxane	7.73	88	19	0.26	ug/l	# 22
51) 4-Methyl-2-Pentanone	8.66	43	1199	0.27	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	96164	27.35	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	96164	77.37	ug/l	# 7
84) 1,2,4-Trimethylbenzene	11.81	105	4051	0.36	ug/l	98

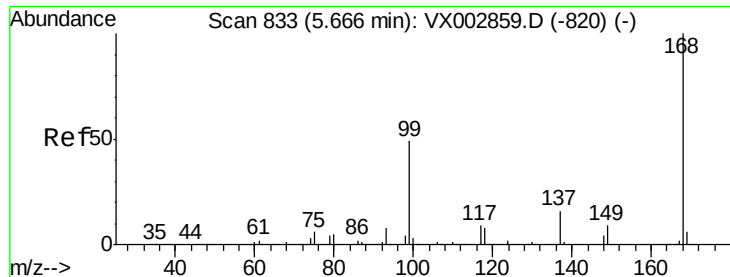
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Jun 27 02:45:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

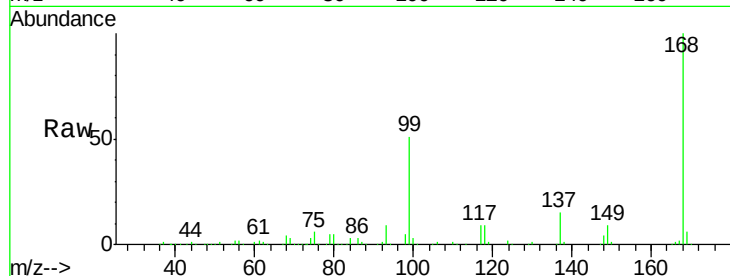
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 256887

Ion Ratio Lower Upper

168 100

99 50.7 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

100000

80000

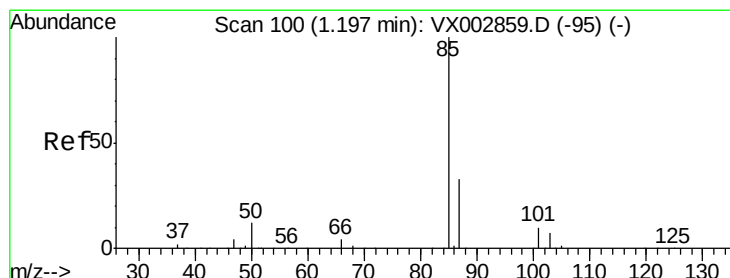
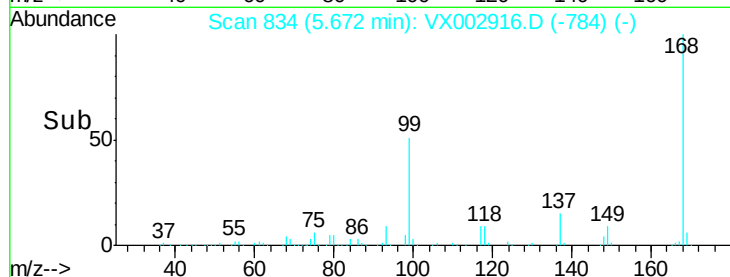
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.14 min Scan# 90

Delta R.T. -0.06 min

Lab File: VX002916.D

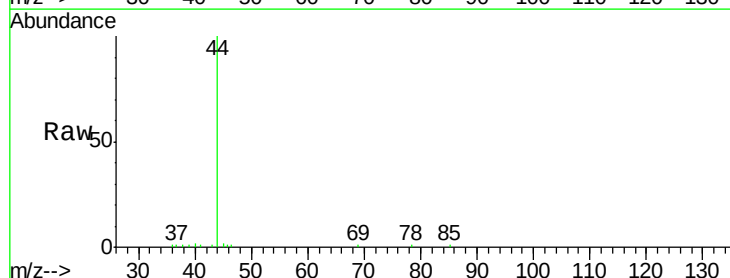
Acq: 27 Jun 2018 01:29

Tgt Ion: 85 Resp: 24

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.14

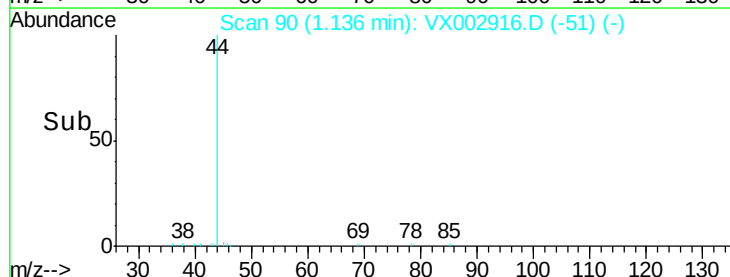
60

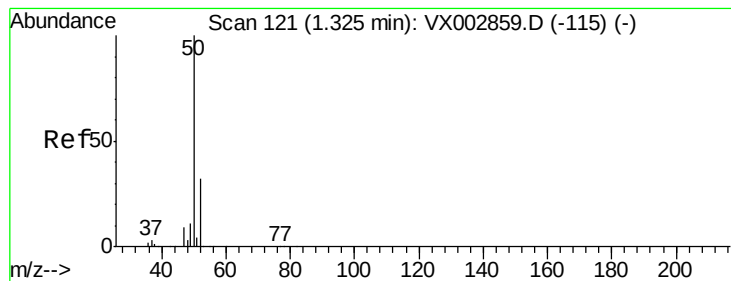
40

20

0

Time--> 1.12 1.13 1.14 1.15





#3

Chloromethane

Concen: Below Cal

RT: 1.34 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

Instrument :

MSVOA_X

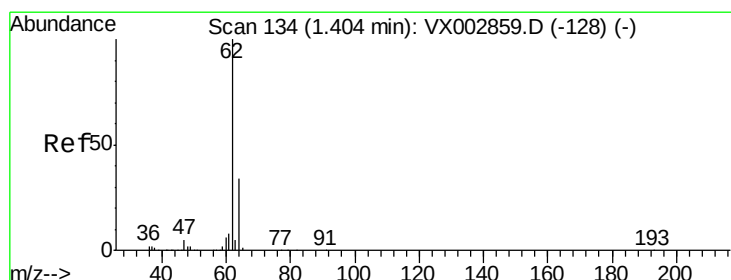
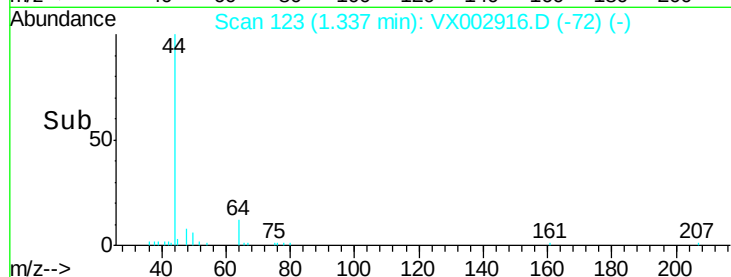
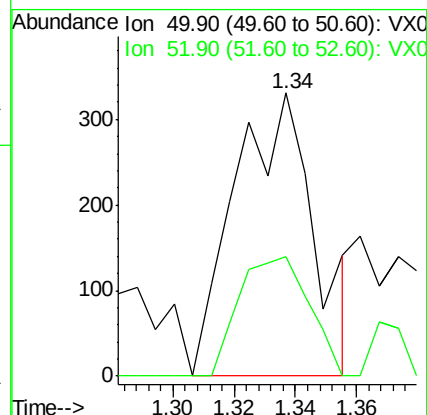
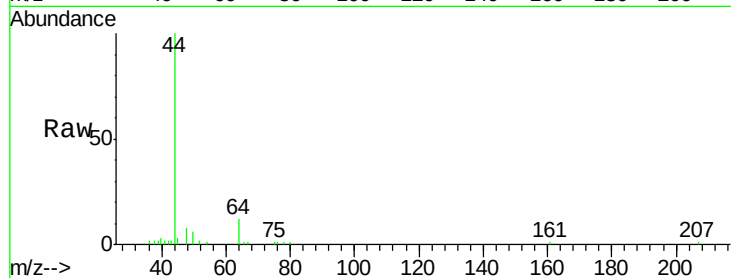
ClientSampleId :

Tot Ion: 50 Resp: 596

Ion Ratio Lower Upper

50 100

52 42.0 25.7 38.5#



#4

Vinyl Chloride

Concen: 0.41 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002916.D

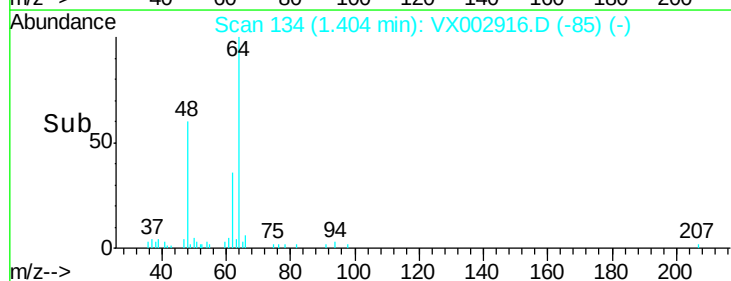
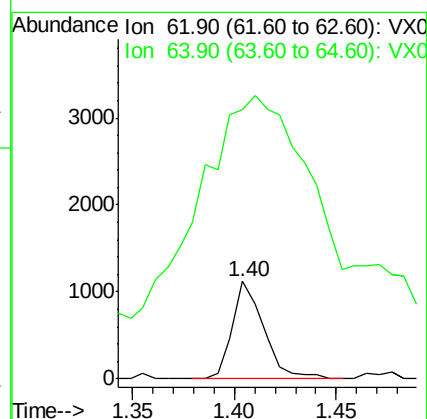
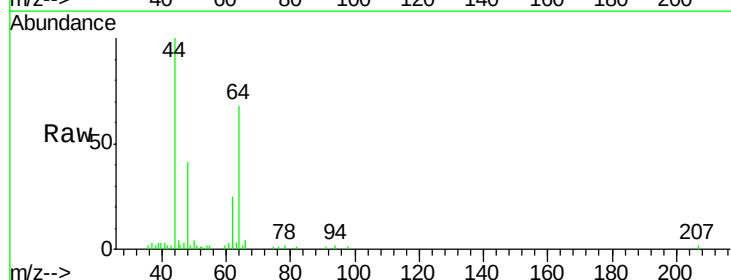
Acq: 27 Jun 2018 01:29

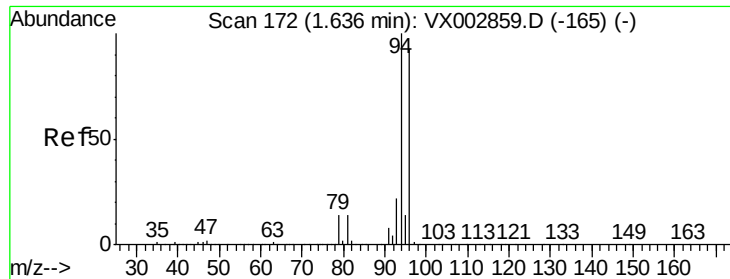
Tgt Ion: 62 Resp: 1195

Ion Ratio Lower Upper

62 100

64 164.7 25.4 38.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

Instrument :

MSVOA_X

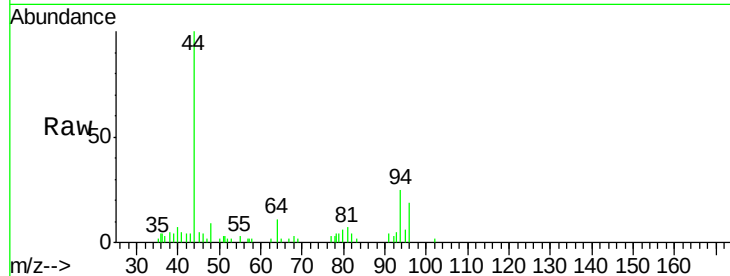
ClientSampled :

Tot Ion: 94 Resp: 956

Ion Ratio Lower Upper

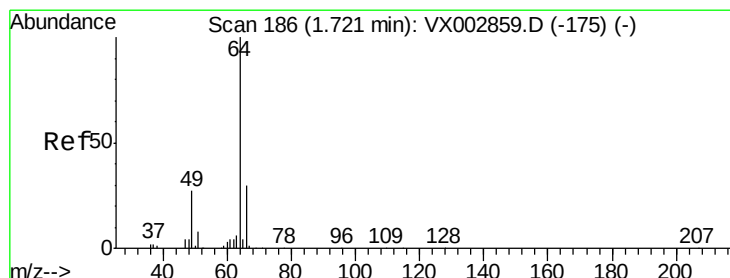
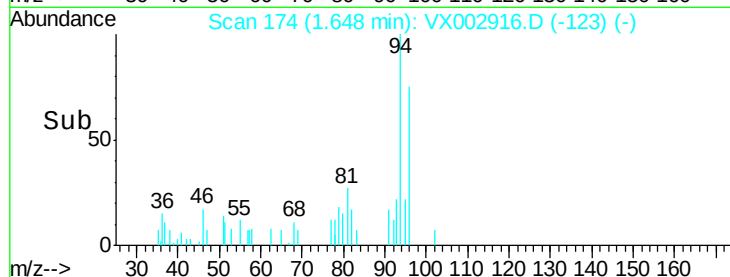
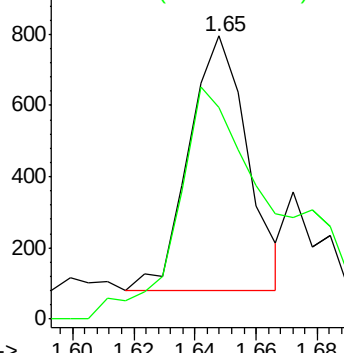
94 100

96 75.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX002916.D

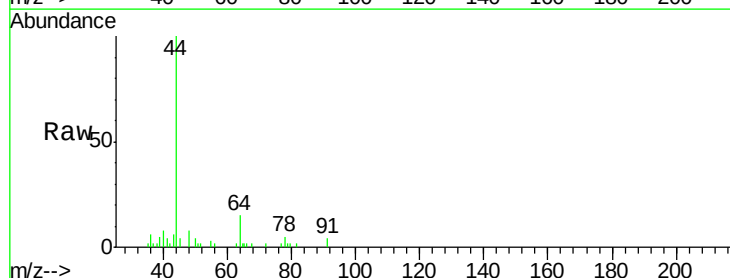
Acq: 27 Jun 2018 01:29

Tgt Ion: 64 Resp: 173

Ion Ratio Lower Upper

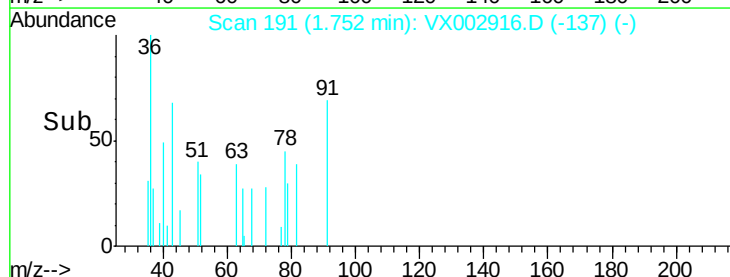
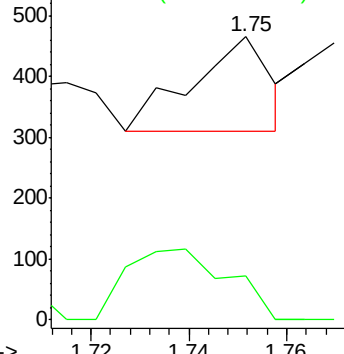
64 100

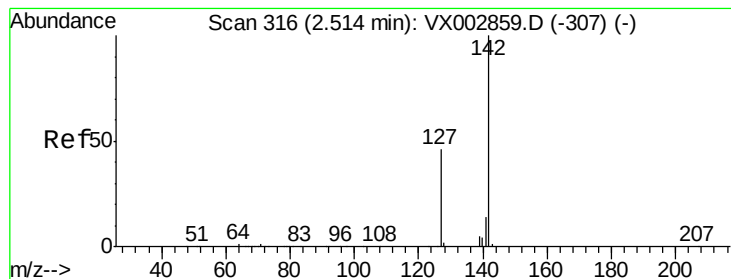
66 46.2 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 6.65 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

Instrument :
MSVOA_X
ClientSampled :

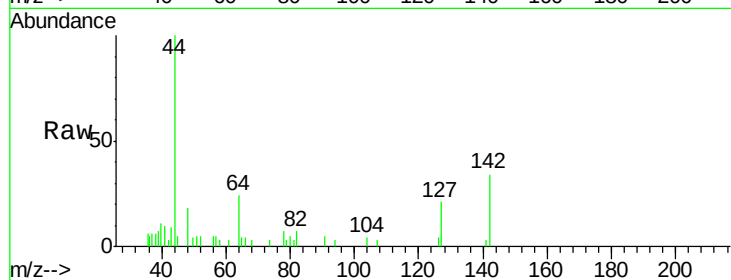
Tot Ion:142 Resp: 1400

Ion Ratio Lower Upper

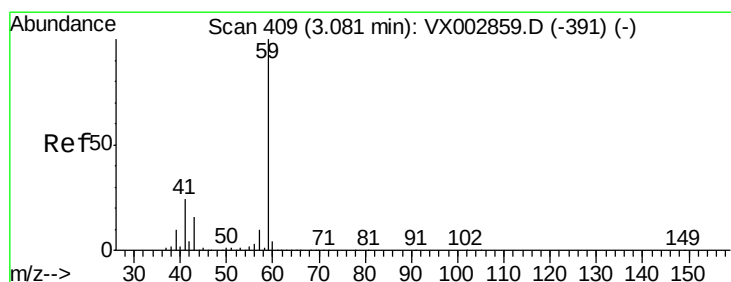
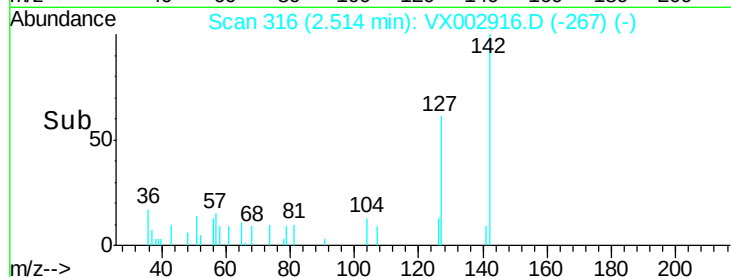
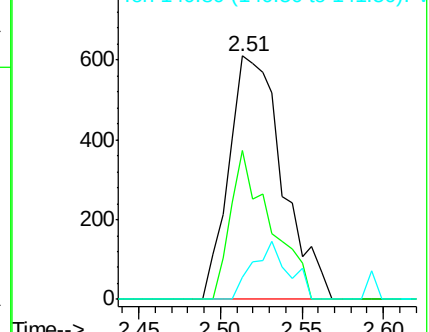
142 100

127 45.9 36.6 55.0

141 15.9 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 5.33 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX002916.D

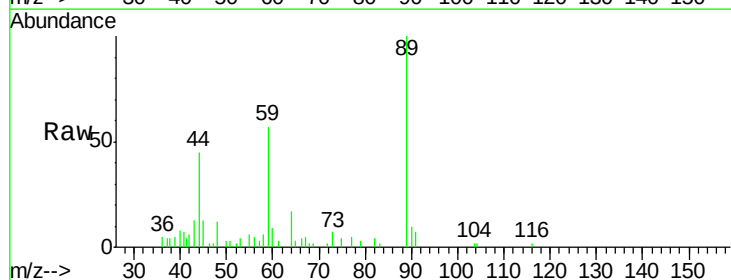
Acq: 27 Jun 2018 01:29

Tgt Ion: 59 Resp: 3773

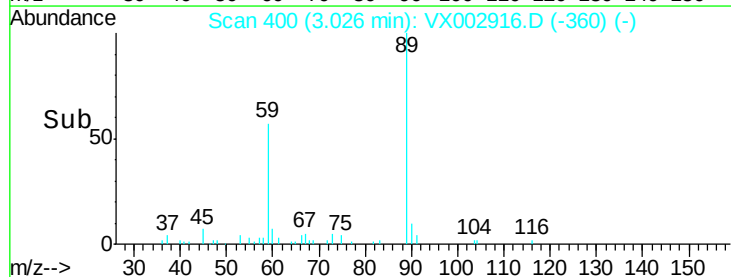
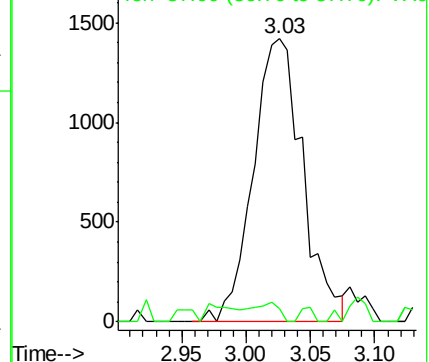
Ion Ratio Lower Upper

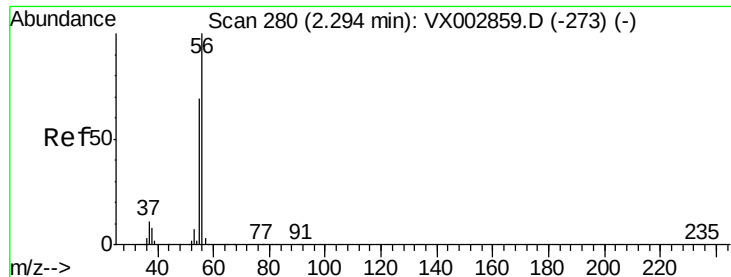
59 100

57 3.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 4.57 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

Instrument :

MSVOA_X

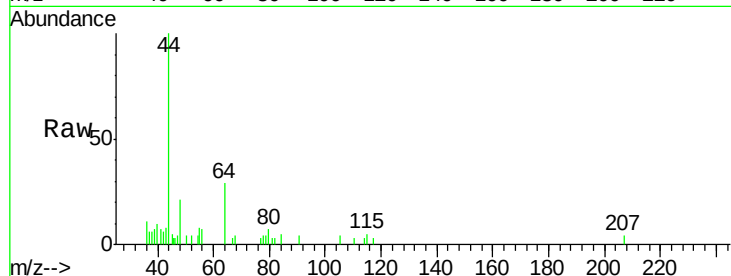
ClientSampled :

Tot Ion: 56 Resp: 134

Ion Ratio Lower Upper

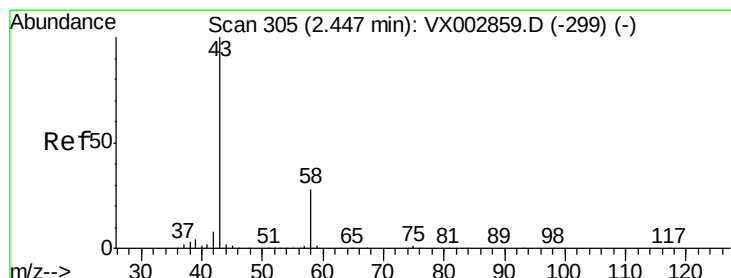
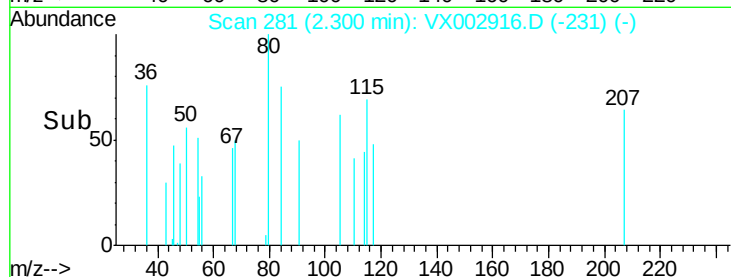
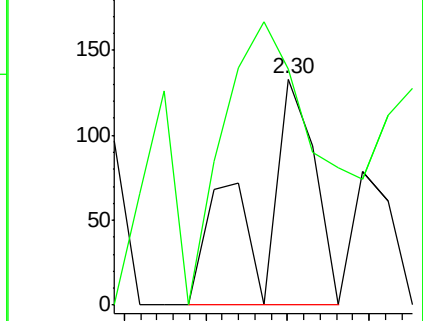
56 100

55 211.9 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.80 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002916.D

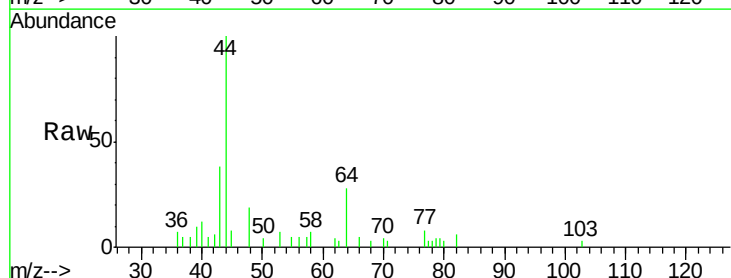
Acq: 27 Jun 2018 01:29

Tgt Ion: 43 Resp: 1179

Ion Ratio Lower Upper

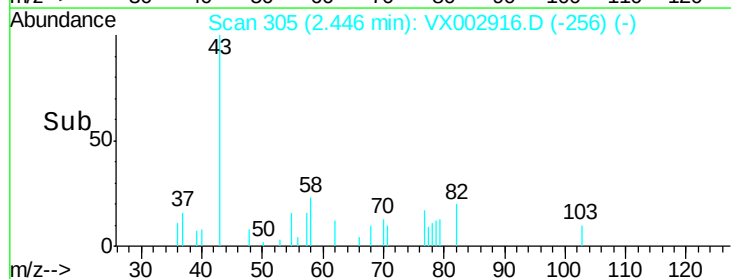
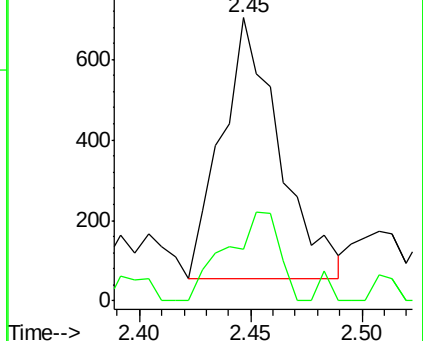
43 100

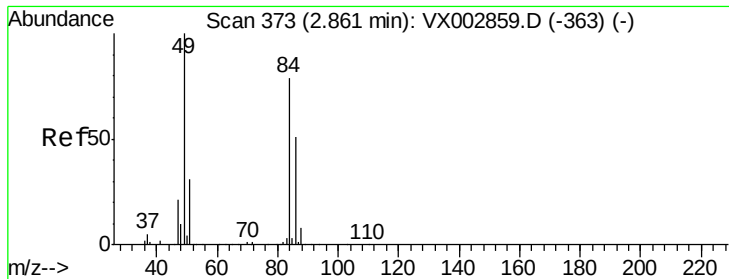
58 19.9 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 0.35 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 992

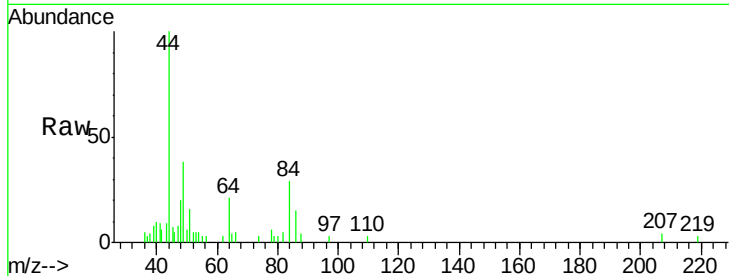
Ion Ratio Lower Upper

84 100

49 130.7 107.8 161.6

51 33.4 32.8 49.2

86 53.7 52.5 78.7

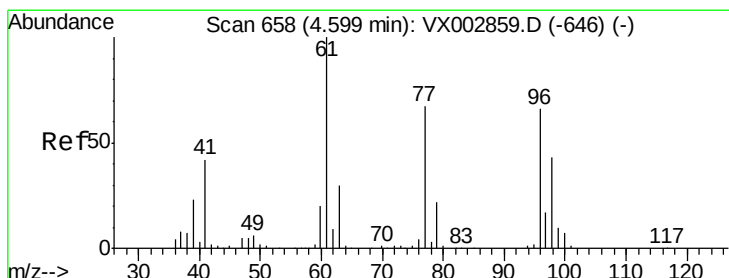
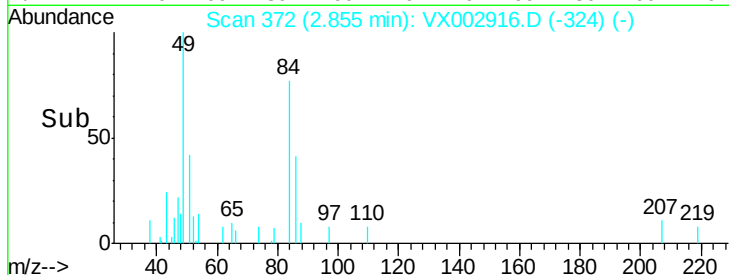
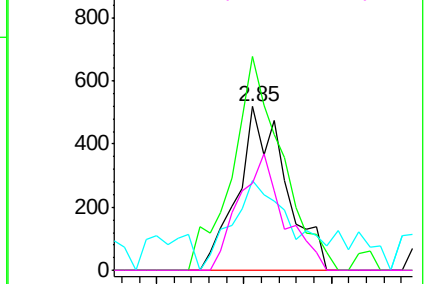


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 10.92 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

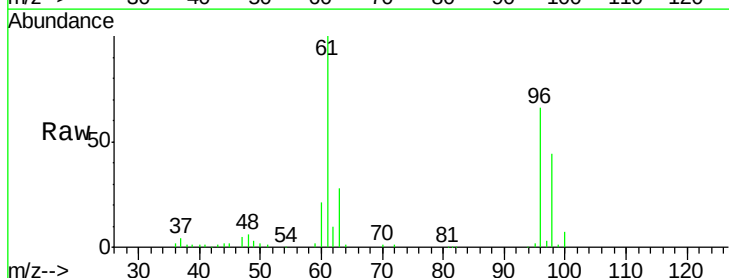
Tgt Ion: 96 Resp: 33778

Ion Ratio Lower Upper

96 100

61 155.6 0.0 330.2

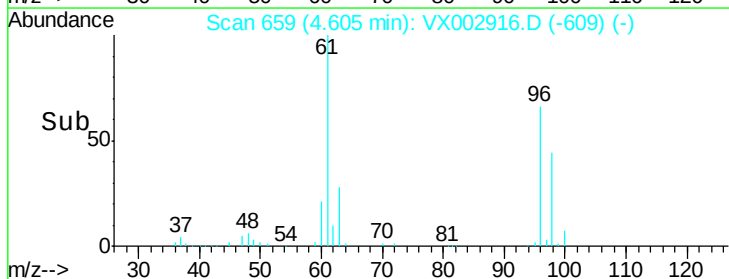
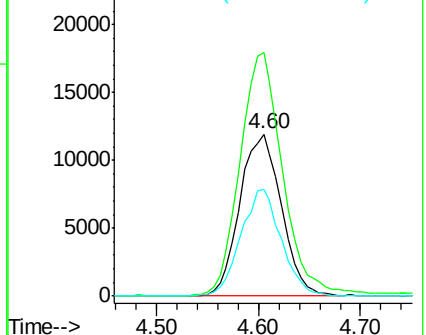
98 63.9 0.0 130.2

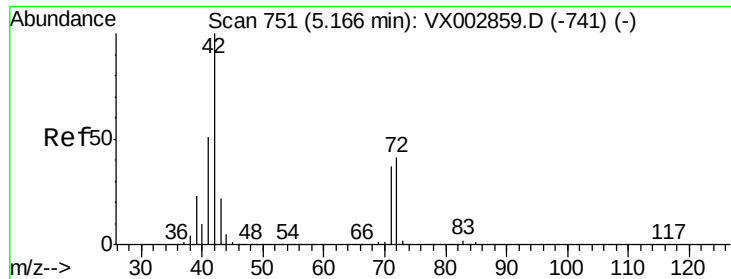


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

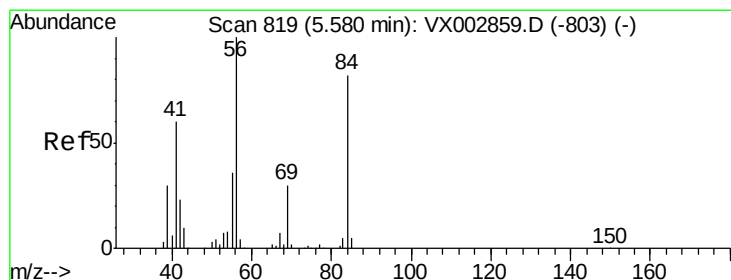
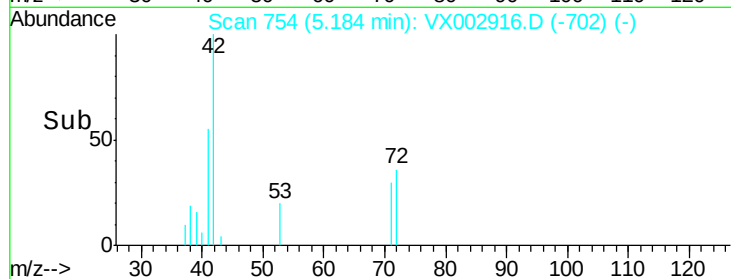
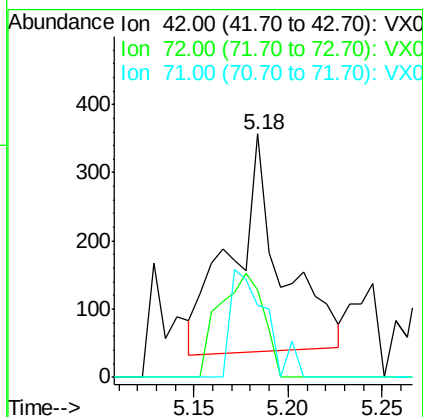
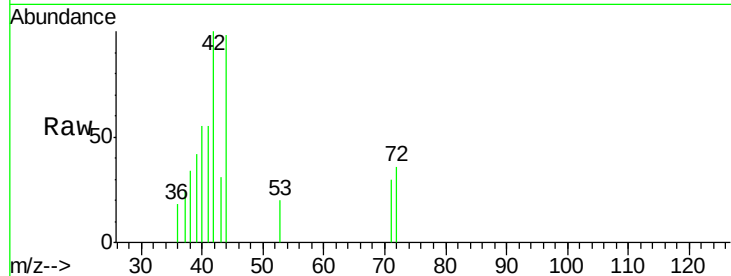




#29
Tetrahydrofuran
Concen: 0.41 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.02 min
Lab File: VX002916.D
Acq: 27 Jun 2018 01:29

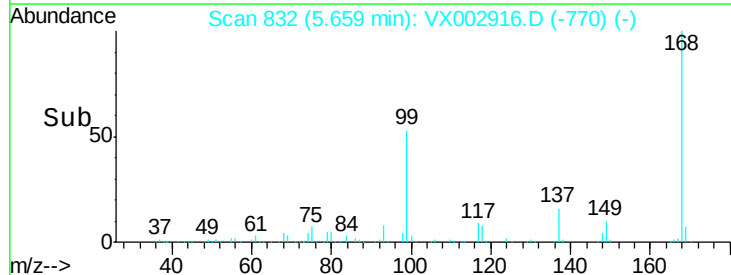
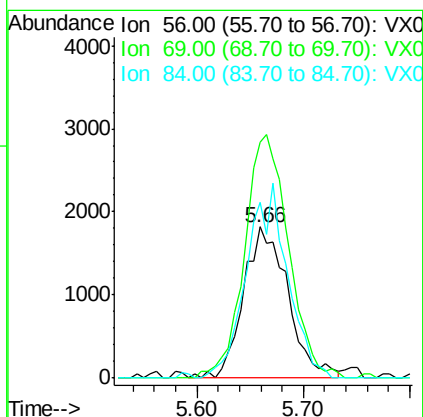
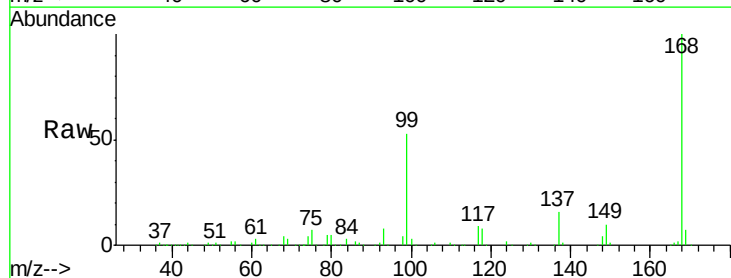
Instrument :
MSVOA_X
ClientSampled :

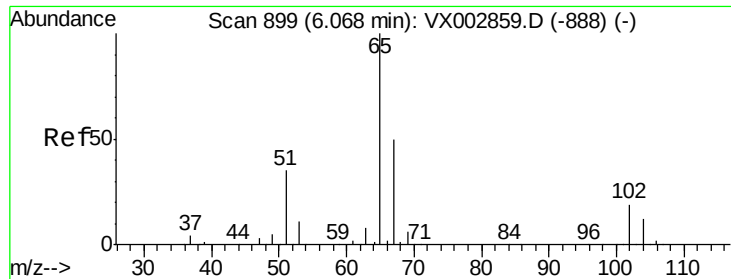
Tot Ion: 42 Resp: 575
Ion Ratio Lower Upper
42 100
72 43.5 32.0 48.0
71 35.5 30.1 45.1



#31
Cyclohexane
Concen: 1.19 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX002916.D
Acq: 27 Jun 2018 01:29

Tgt Ion: 56 Resp: 5321
Ion Ratio Lower Upper
56 100
69 155.6 23.7 35.5#
84 116.3 64.1 96.1#

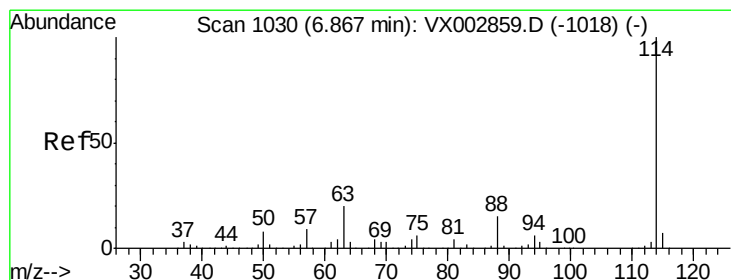
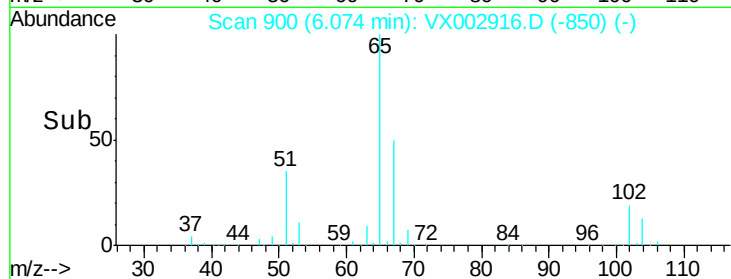
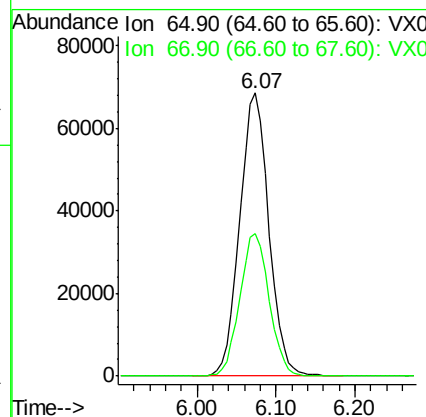
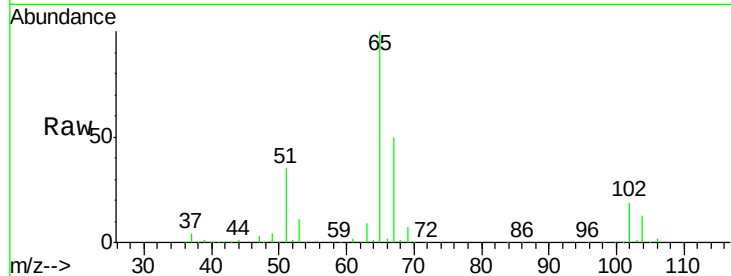




#33
 1,2-Dichloroethane-d4
 Concen: 49.56 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002916.D
 Acq: 27 Jun 2018 01:29

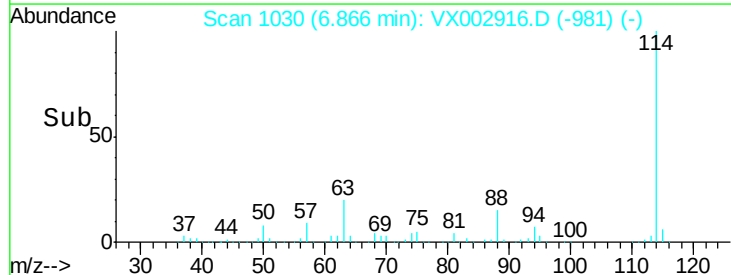
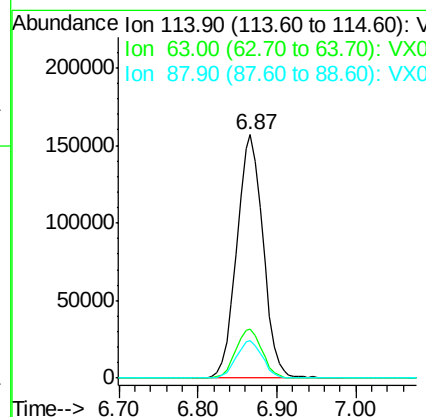
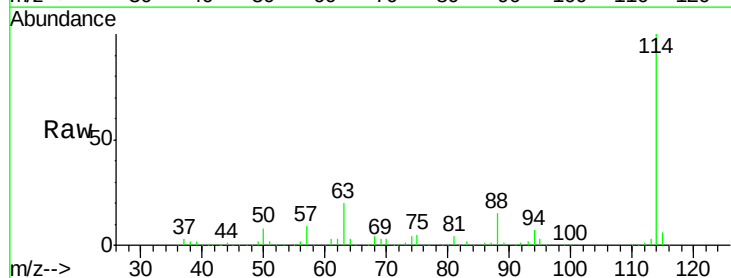
Instrument :
 MSVOA_X
 ClientSampleId :

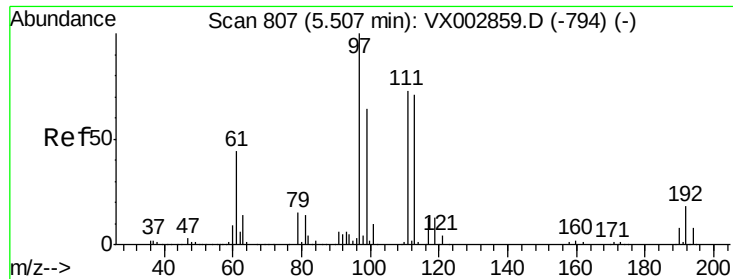
Tot Ion: 65 Resp: 175977
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002916.D
 Acq: 27 Jun 2018 01:29

Tgt Ion: 114 Resp: 363030
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.3 0.0 30.0

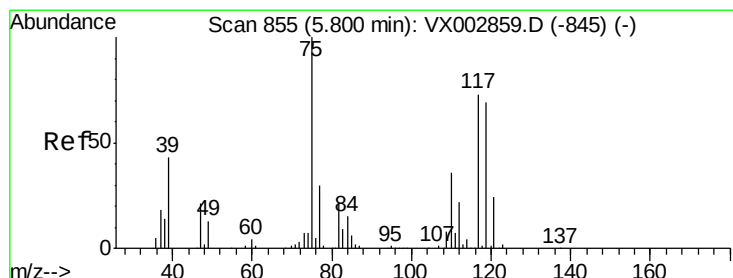
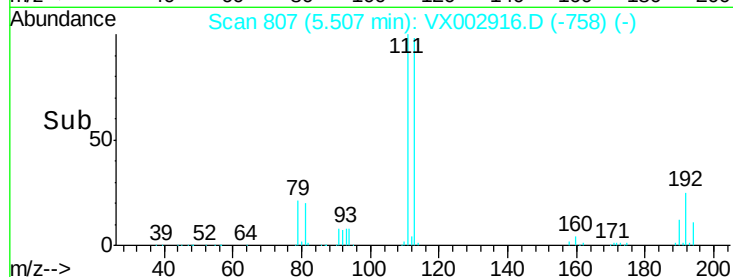
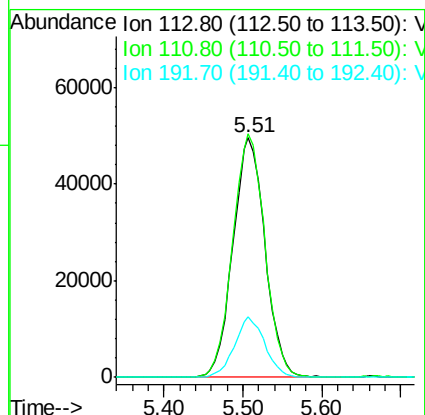
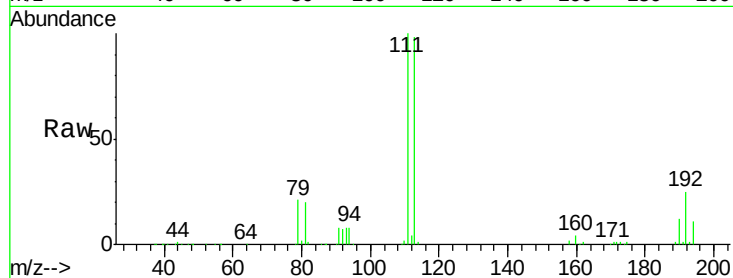




#35
 Dibromofluoromethane
 Concen: 48.77 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002916.D
 Acq: 27 Jun 2018 01:29

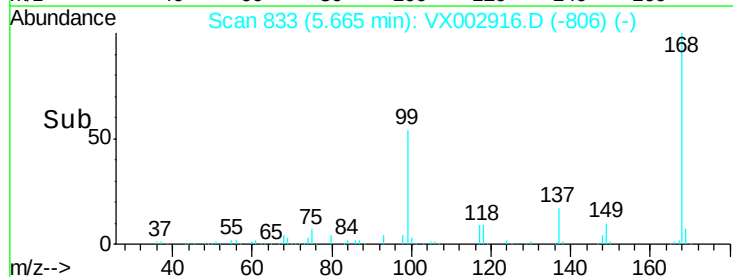
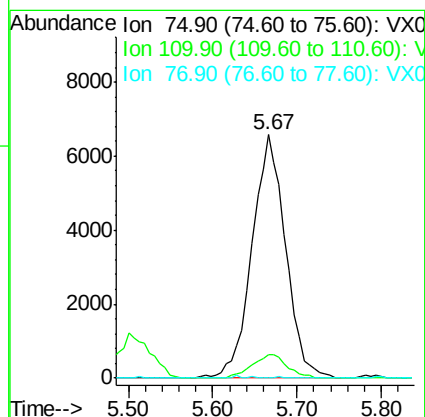
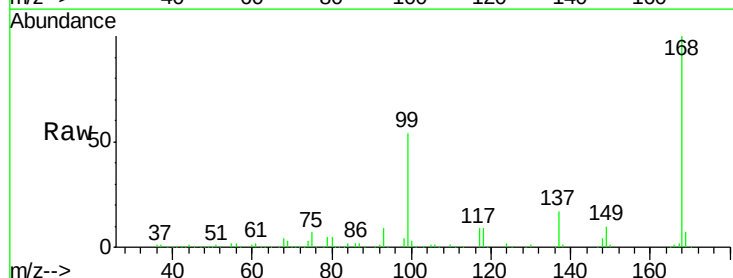
Instrument :
 MSVOA_X
 ClientSampleId :

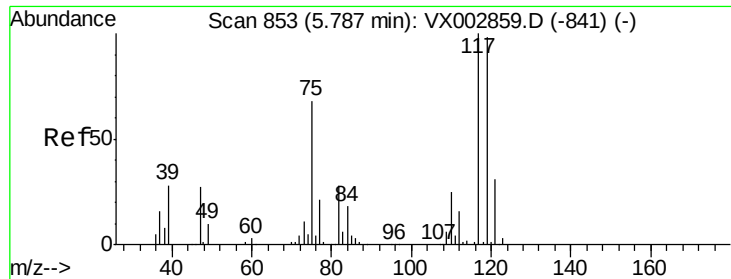
Tot Ion:113 Resp: 140219
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.0
 192 24.0 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.48 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002916.D
 Acq: 27 Jun 2018 01:29

Tgt Ion: 75 Resp: 17832
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.1 54.4#
 77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

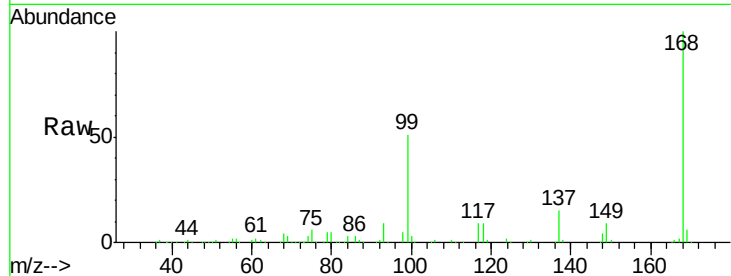
Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

Instrument :

MSVOA_X

ClientSampled :



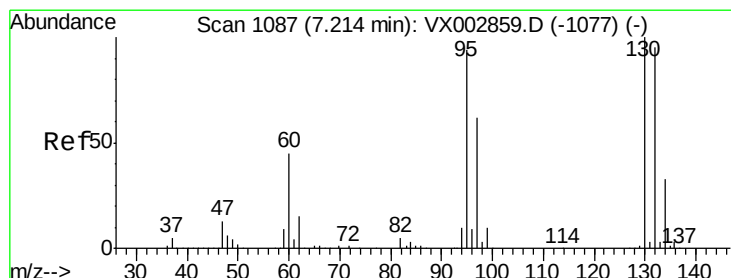
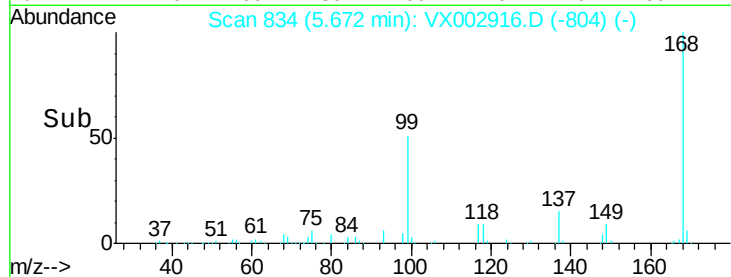
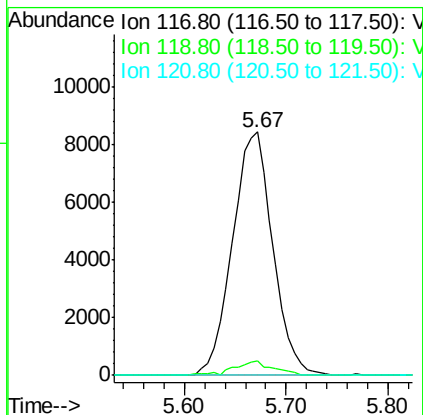
Tot Ion:117 Resp: 23110

Ion Ratio Lower Upper

117 100

119 6.1 77.4 116.0#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 0.37 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX002916.D

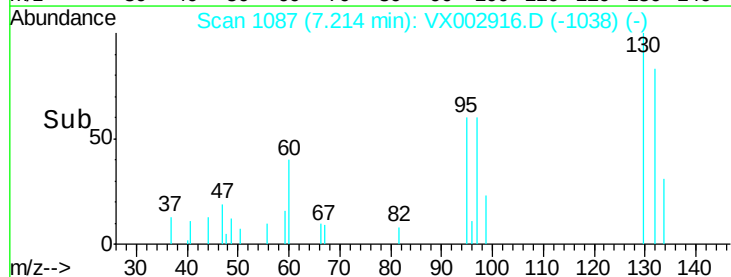
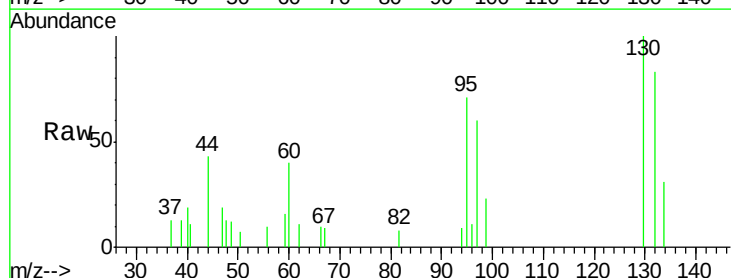
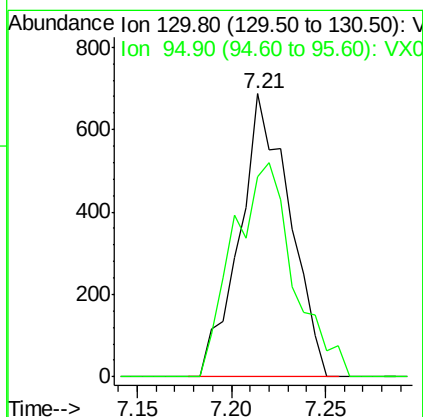
Acq: 27 Jun 2018 01:29

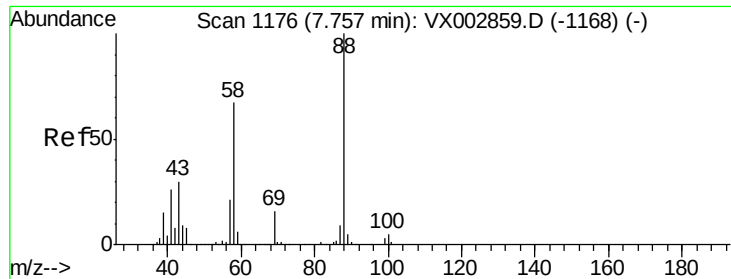
Tgt Ion:130 Resp: 1262

Ion Ratio Lower Upper

130 100

95 70.6 0.0 185.4

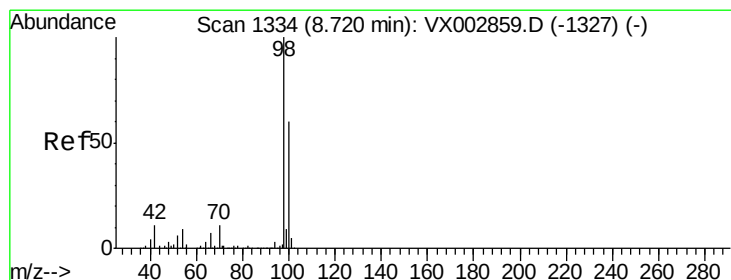
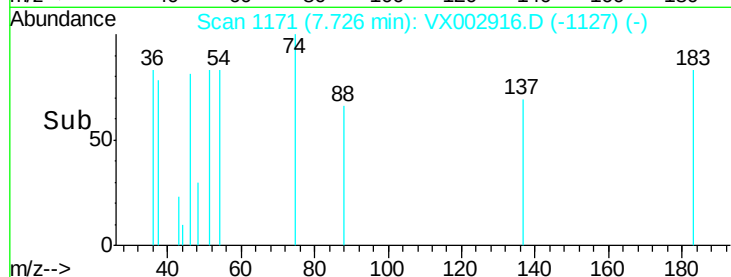
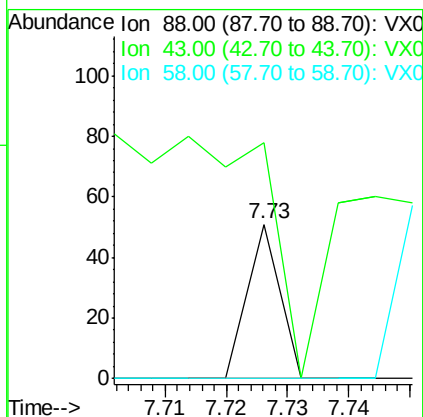
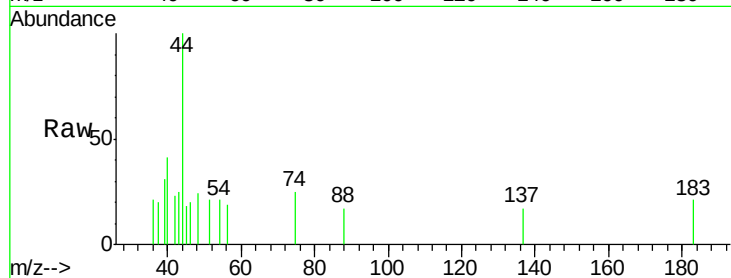




#49
1,4-Dioxane
Concen: 0.26 ug/l
RT: 7.73 min Scan# 1171
Delta R.T. -0.03 min
Lab File: VX002916.D
Acq: 27 Jun 2018 01:29

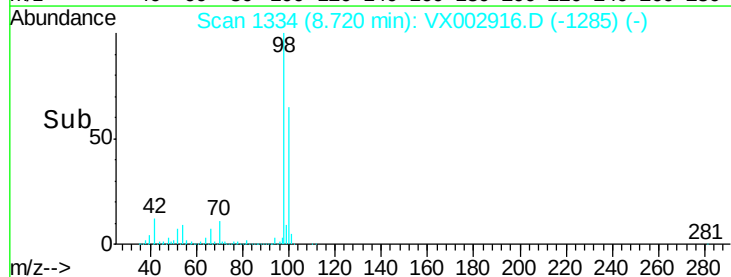
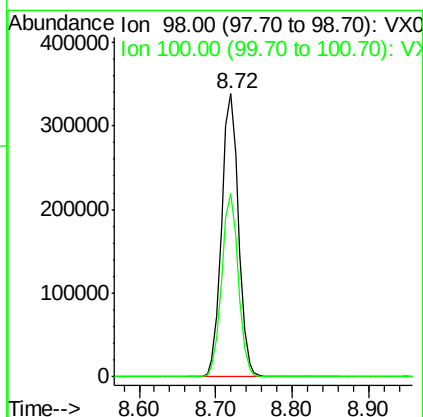
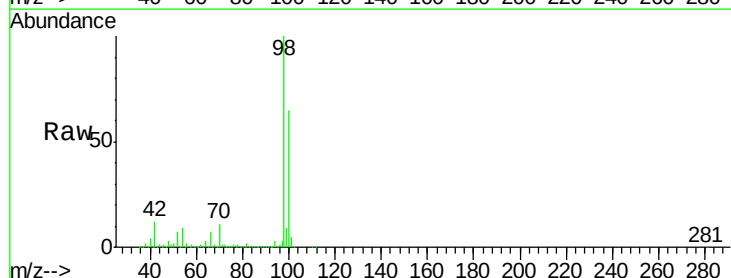
Instrument :
MSVOA_X
ClientSampled :

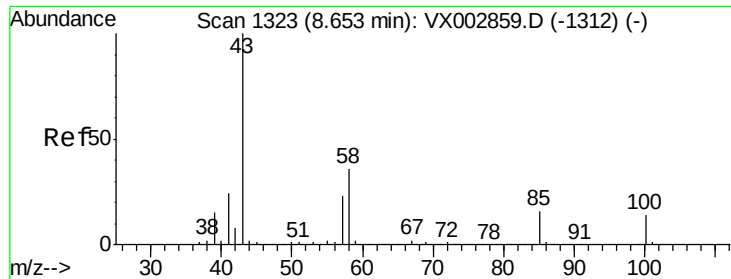
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 0.0 57.1 85.7#



#50
Toluene-d8
Concen: 49.37 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002916.D
Acq: 27 Jun 2018 01:29

Tgt Ion: 98 Resp: 518266
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

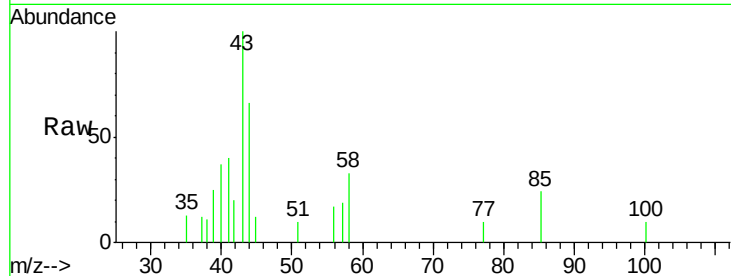
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1199

Ion Ratio Lower Upper

43 100

58 33.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

2500

2000

1500

1000

500

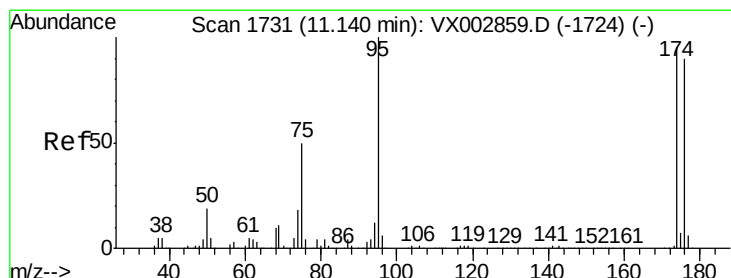
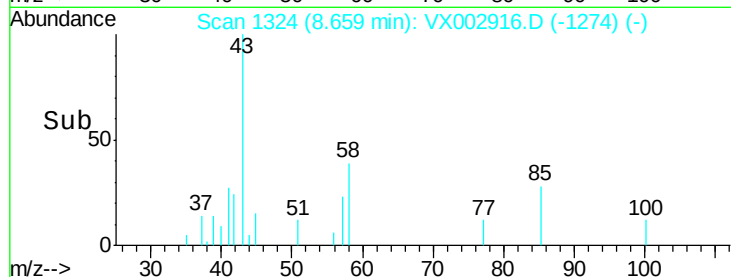
0

8.60

8.65

8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 45.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002916.D

Acq: 27 Jun 2018 01:29

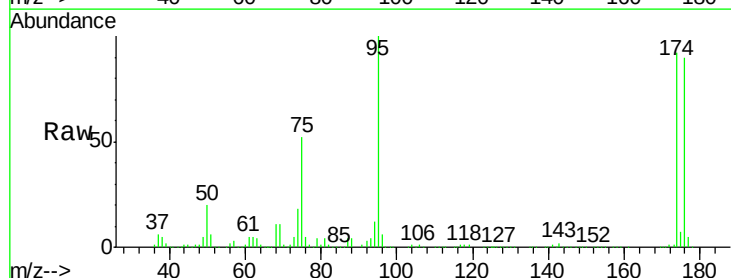
Tgt Ion: 95 Resp: 184582

Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.4

176 93.4 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

200000

150000

100000

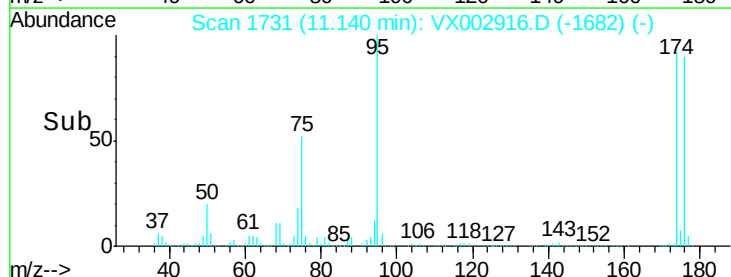
50000

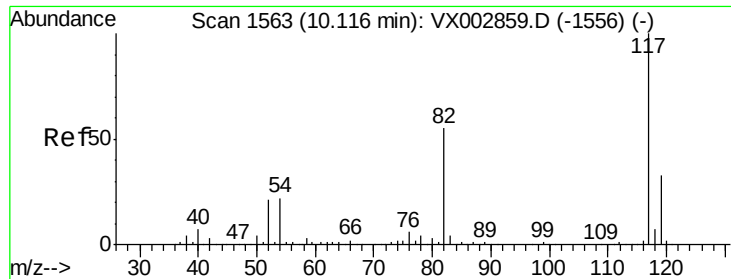
0

11.10

11.20

Time-->

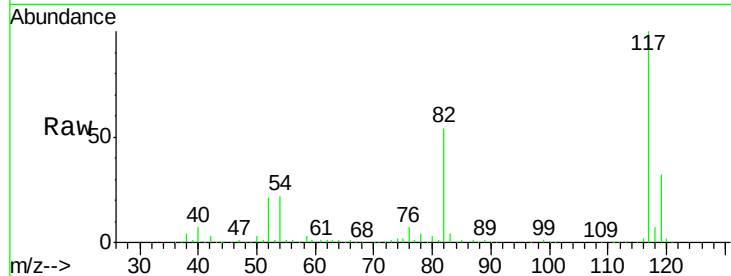




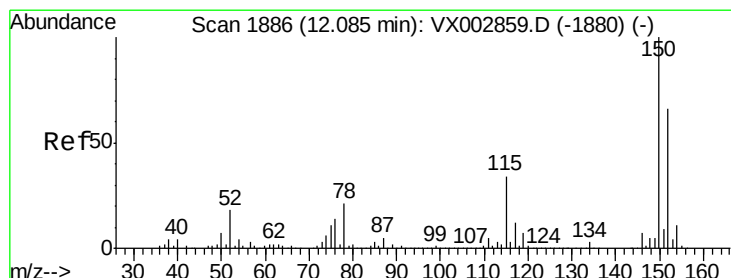
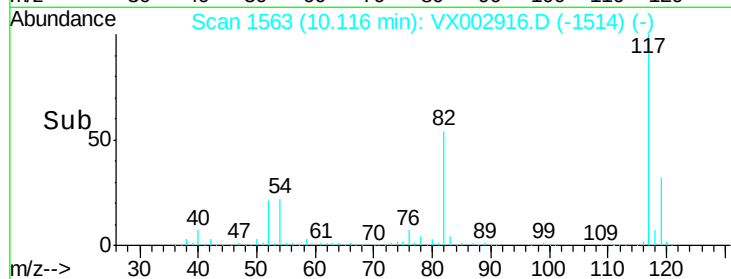
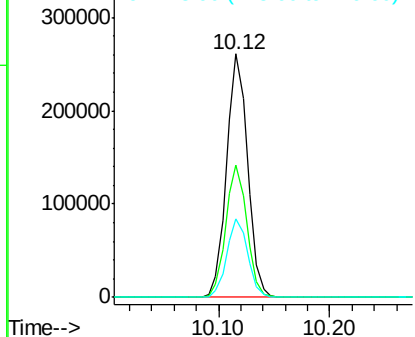
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002916.D
Acq: 27 Jun 2018 01:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 341784
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.3 25.8 38.6

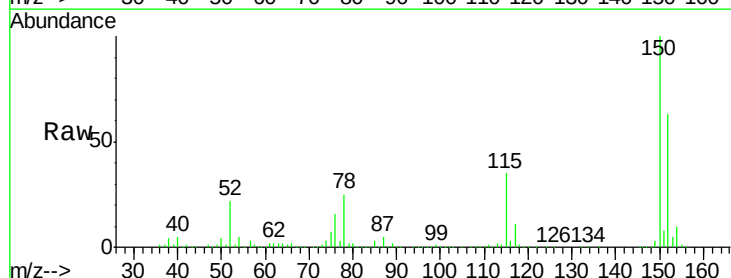


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

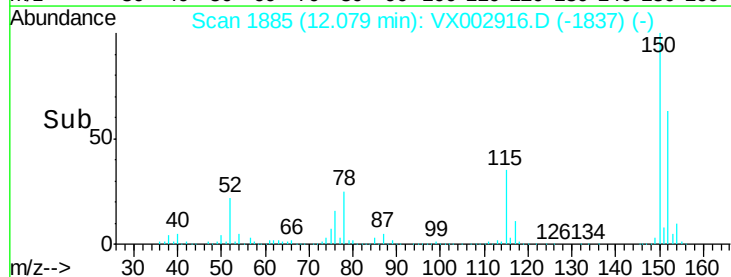
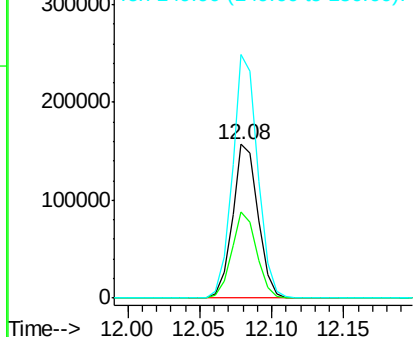


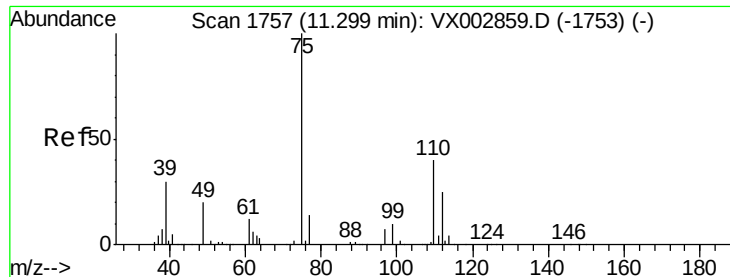
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002916.D
Acq: 27 Jun 2018 01:29

Tgt Ion:152 Resp: 194124
Ion Ratio Lower Upper
152 100
115 55.1 40.1 120.2
150 157.1 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

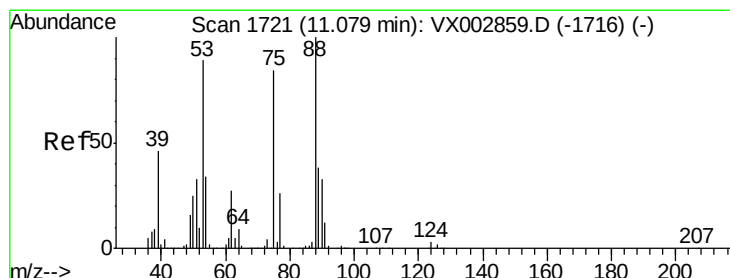
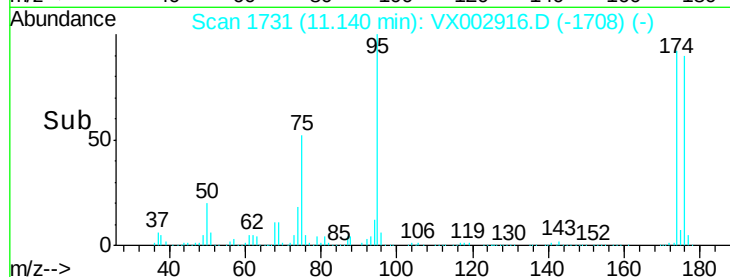
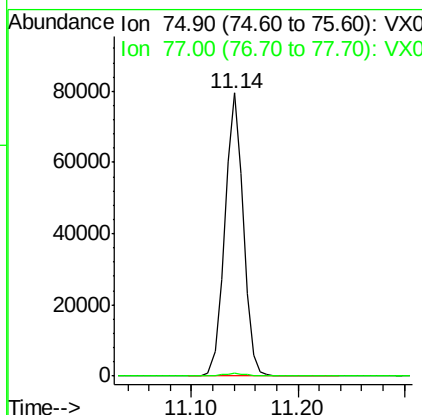
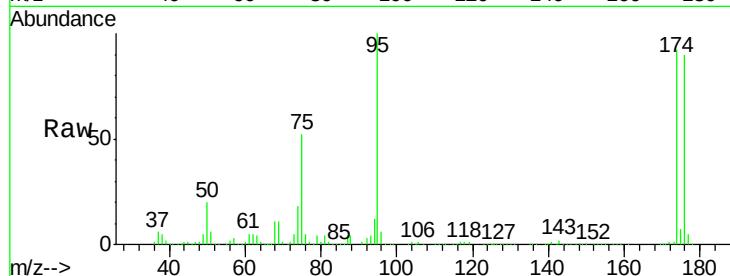




#76
 1,2,3-Trichloropropane
 Concen: 27.35 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002916.D
 Acq: 27 Jun 2018 01:29

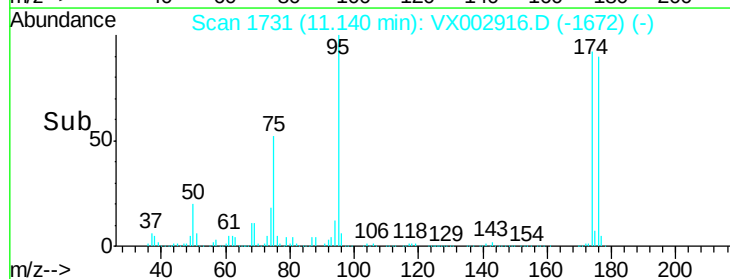
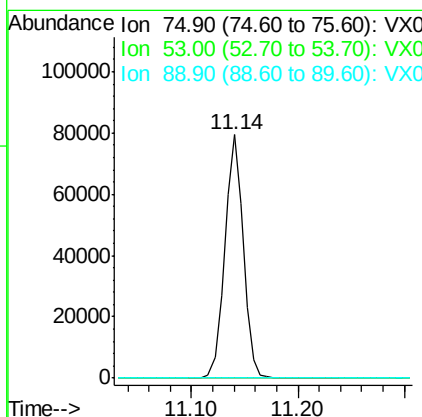
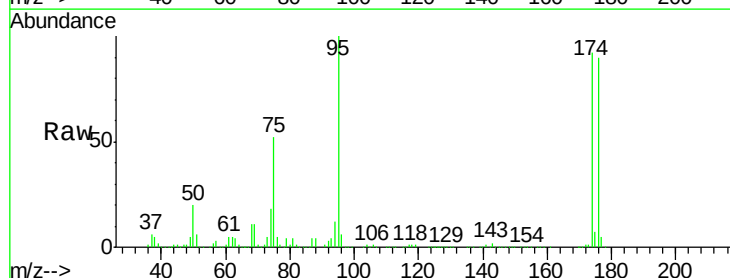
Instrument :
 MSVOA_X
 ClientSampled :

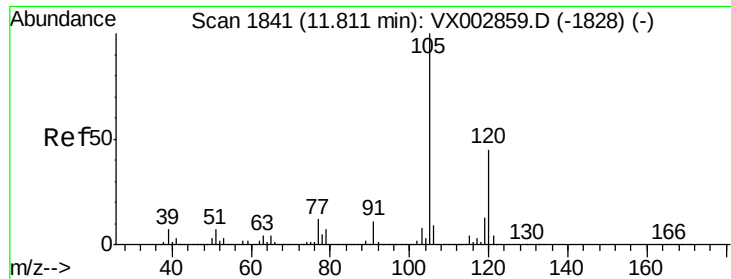
Tot Ion: 75 Resp: 96164
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.37 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002916.D
 Acq: 27 Jun 2018 01:29

Tgt Ion: 75 Resp: 96164
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.36 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002916.D
 Acq: 27 Jun 2018 01:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 4051
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.3 66.8

