

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041319\
 Data File : VX008936.D
 Acq On : 13 Apr 2019 16:55
 Operator : JC/SP
 Sample : K2385-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 14 04:15:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	198649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	128059	44.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.40%	
35) Dibromofluoromethane	5.50	113	94056	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
50) Toluene-d8	8.71	98	390101	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.13	95	128714	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	

Target Compounds

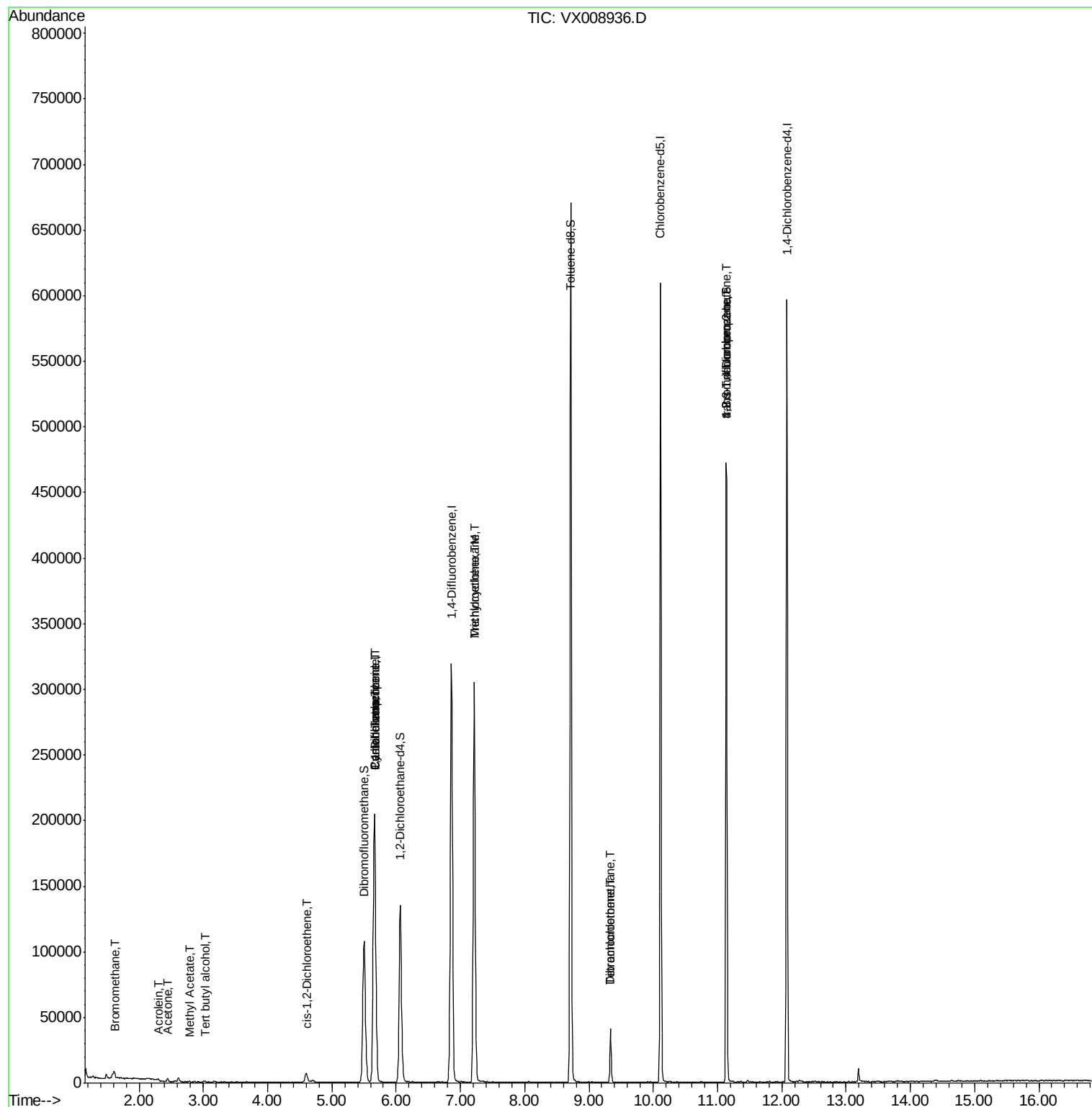
					Qvalue	
3) Chloromethane	1.32	50	447	Below Cal	#	86
5) Bromomethane	1.64	94	180	1.999	ug/l #	55
6) Chloroethane	1.73	64	67	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	573	0.845	ug/l #	81
13) Acrolein	2.31	56	130	0.387	ug/l #	13
16) Acetone	2.45	43	3004	1.800	ug/l	98
17) Carbon Disulfide	2.56	76	621	Below Cal	#	64
18) Methyl Acetate	2.79	43	820	0.203	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	4181	1.464	ug/l	93
28) Bromochloromethane	5.06	49	20	Below Cal	#	22
31) Cyclohexane	5.67	56	4166	0.832	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15511	4.510	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18439	6.478	ug/l #	17
39) Methylcyclohexane	7.21	83	1411	0.332	ug/l #	1
44) Trichloroethene	7.21	130	115754	48.507	ug/l	95
60) Dibromochloromethane	9.34	129	7093	3.104	ug/l #	11
64) Tetrachloroethene	9.34	164	7571	3.762	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	66348	20.661	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66348	56.952	ug/l #	9

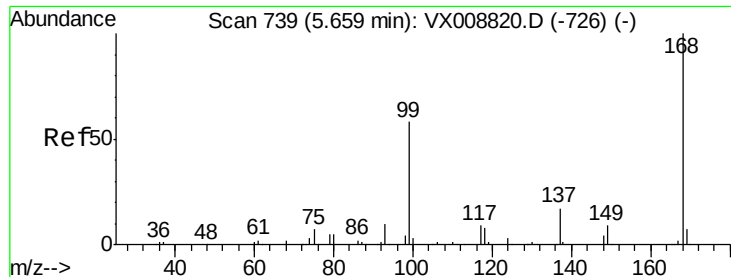
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041319\
Data File : VX008936.D
Acq On : 13 Apr 2019 16:55
Operator : JC/SP
Sample : K2385-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 14 04:15:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

Instrument :

MSVOA_X

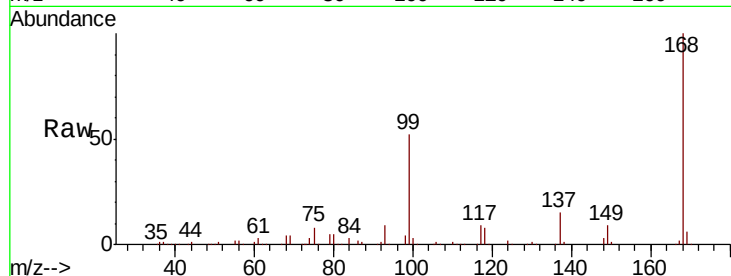
ClientSampleId :

Tot Ion:168 Resp: 198649

Ion Ratio Lower Upper

168 100

99 51.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

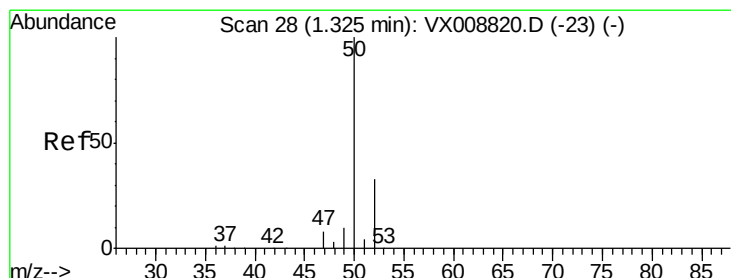
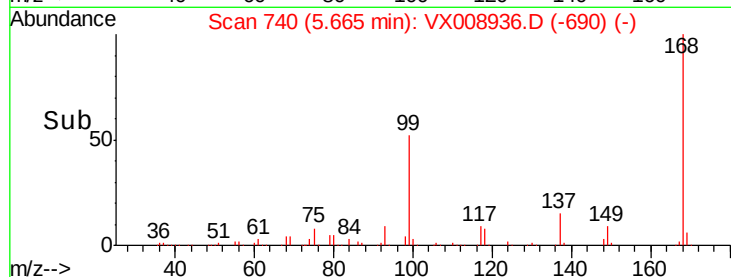
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008936.D

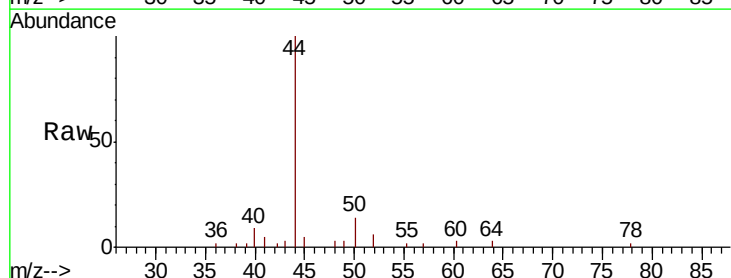
Acq: 13 Apr 2019 16:55

Tgt Ion: 50 Resp: 447

Ion Ratio Lower Upper

50 100

52 40.3 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

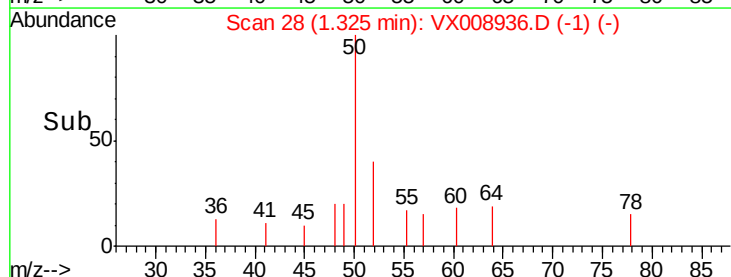
300

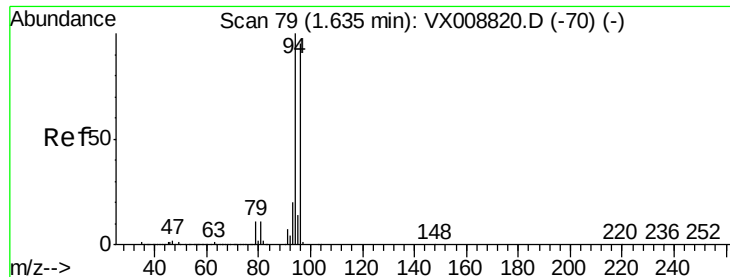
200

100

0

Time-->





#5

Bromomethane

Concen: 1.999 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

Instrument :

MSVOA_X

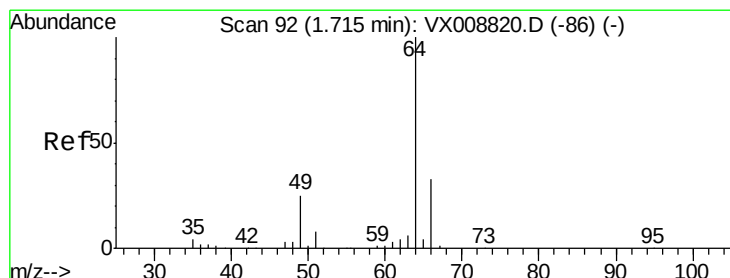
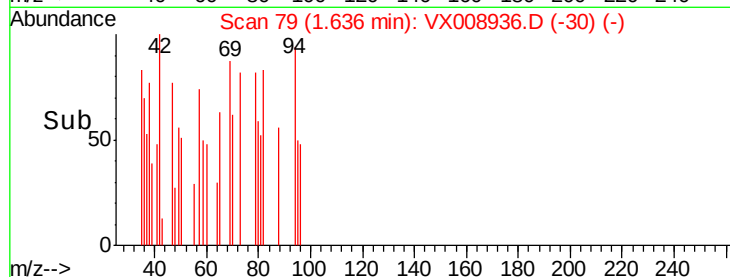
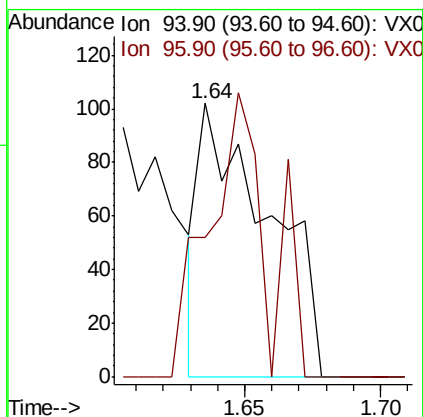
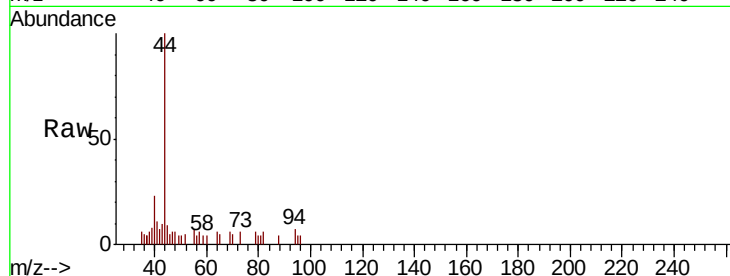
ClientSampled :

Tot Ion: 94 Resp: 180

Ion Ratio Lower Upper

94 100

96 51.0 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008936.D

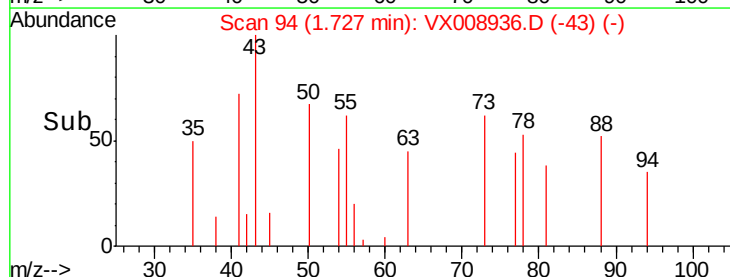
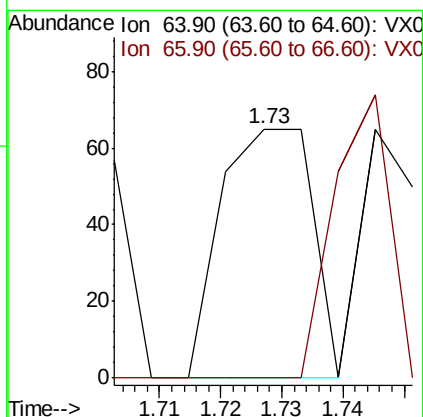
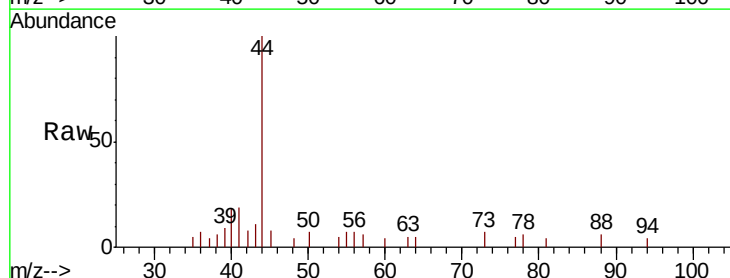
Acq: 13 Apr 2019 16:55

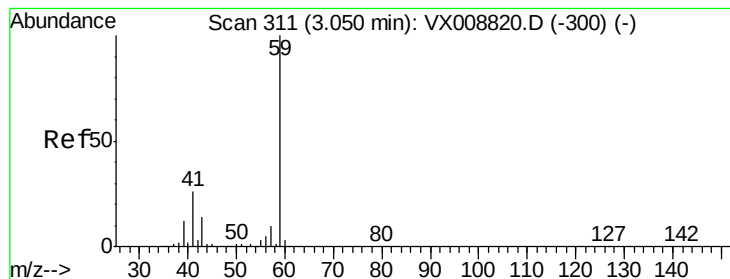
Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



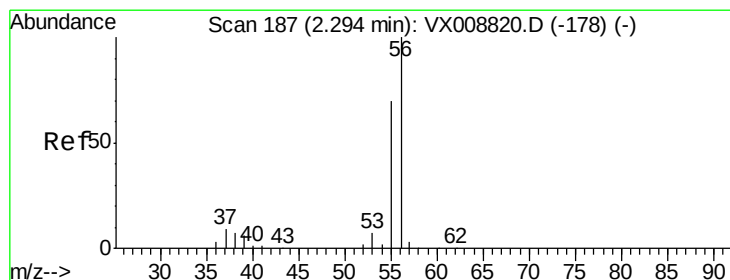
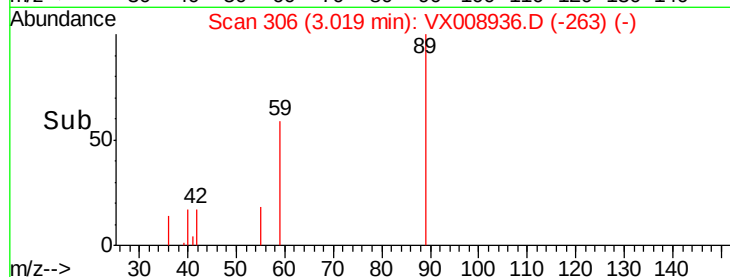
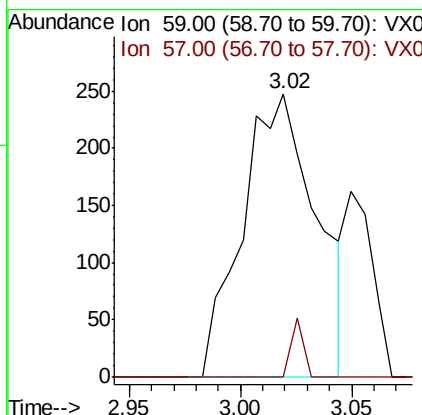
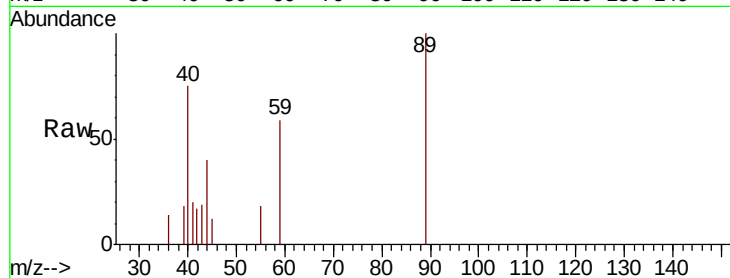


#11

Tert butyl alcohol
Concen: 0.845 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008936.D
Acq: 13 Apr 2019 16:55

Instrument :
MSVOA_X
ClientSampled :

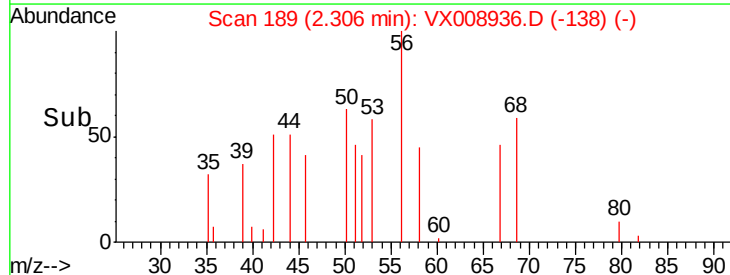
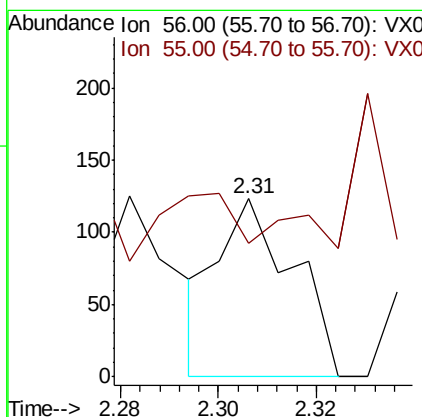
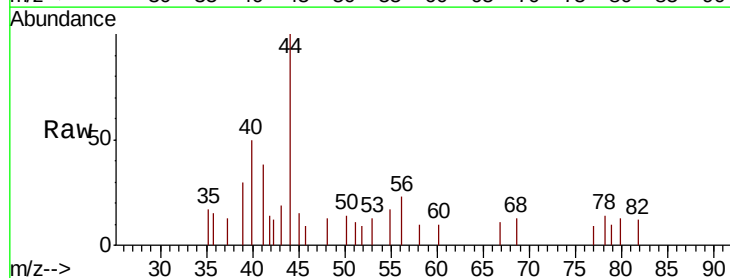
Tot Ion: 59 Resp: 573
Ion Ratio Lower Upper
59 100
57 3.3 8.3 12.5#

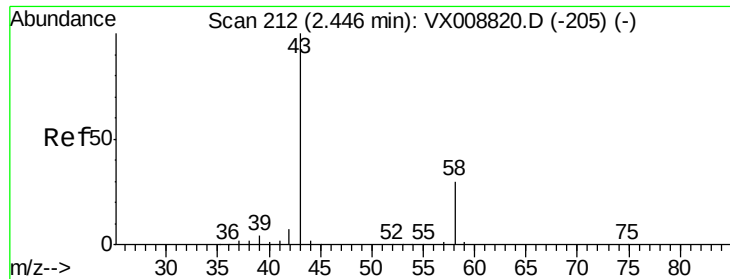


#13

Acrolein
Concen: 0.387 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX008936.D
Acq: 13 Apr 2019 16:55

Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 0.0 58.0 87.0#





#16

Acetone

Concen: 1.800 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

Instrument :

MSVOA_X

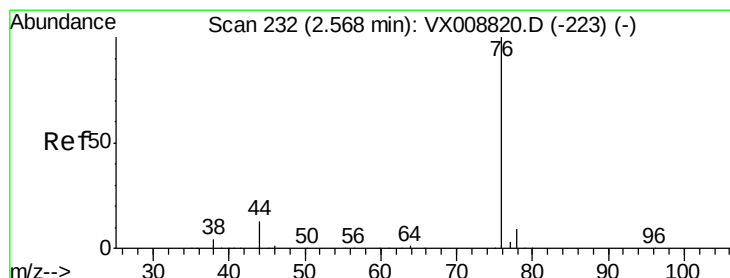
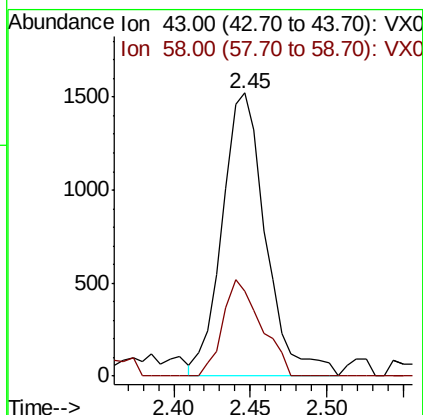
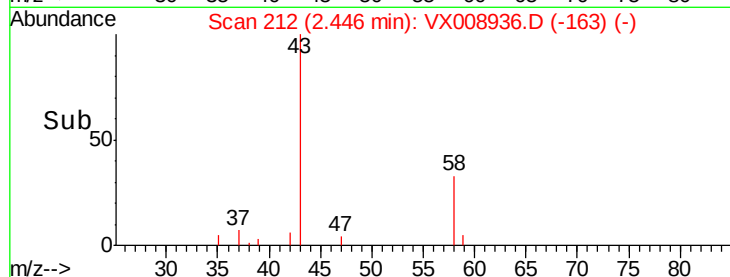
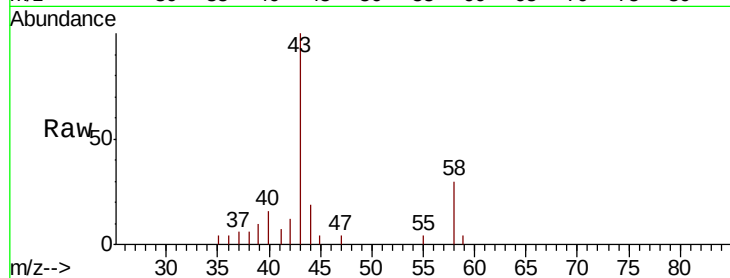
ClientSampled :

Tot Ion: 43 Resp: 3004

Ion Ratio Lower Upper

43 100

58 29.8 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008936.D

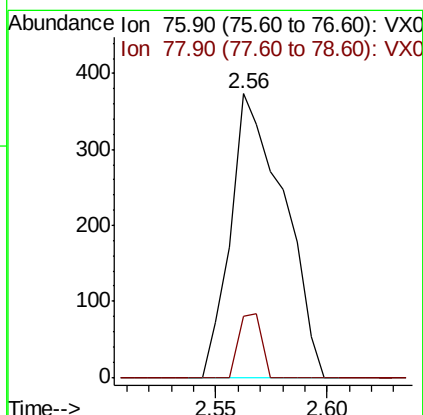
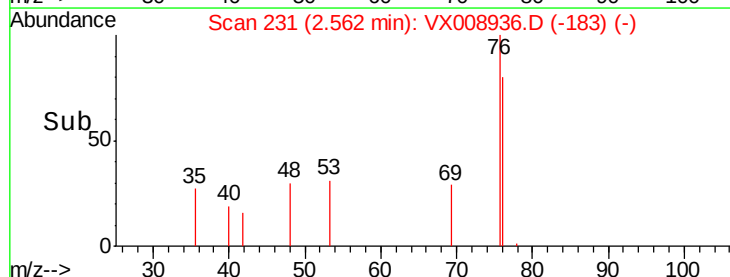
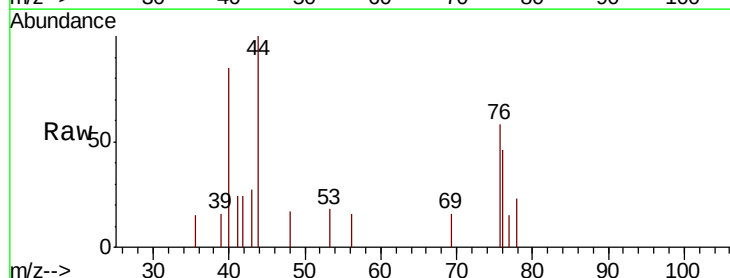
Acq: 13 Apr 2019 16:55

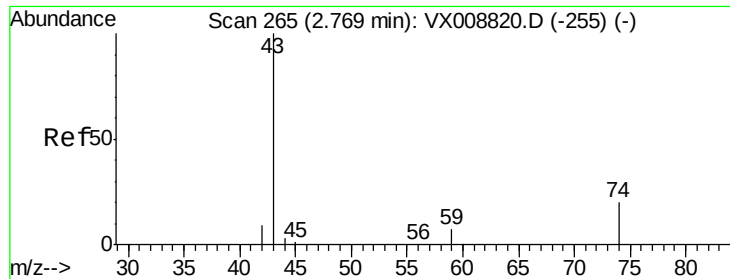
Tgt Ion: 76 Resp: 621

Ion Ratio Lower Upper

76 100

78 21.7 7.1 10.7#

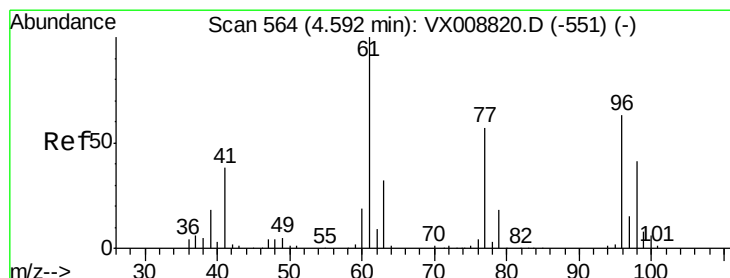
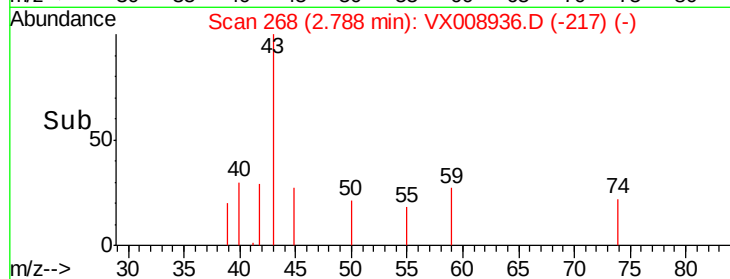
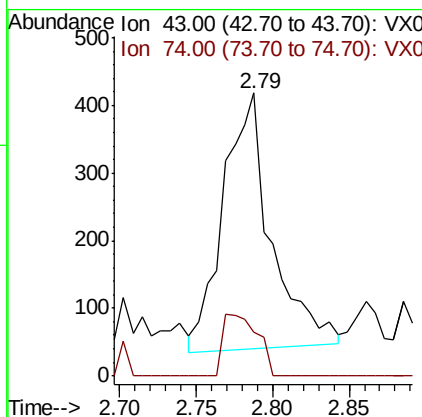
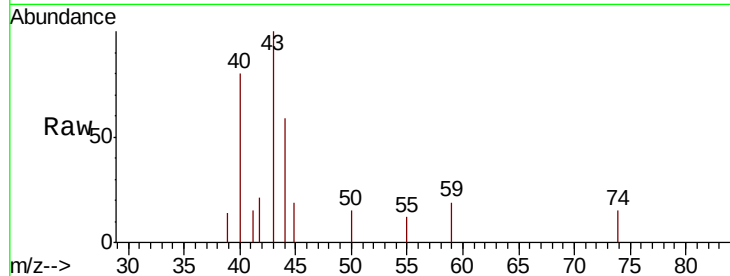




#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX008936.D
Acq: 13 Apr 2019 16:55

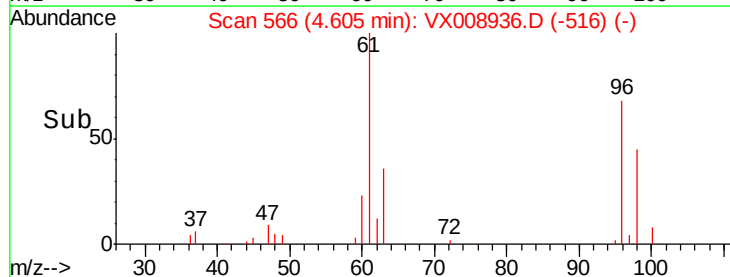
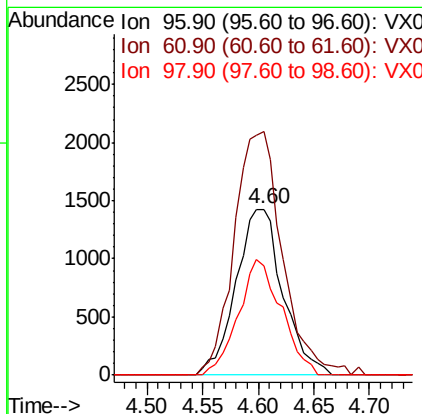
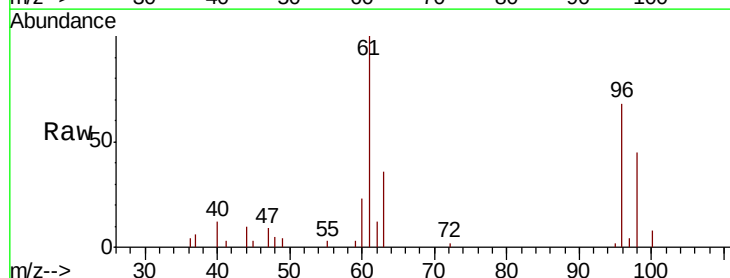
Instrument :
MSVOA_X
ClientSampled :

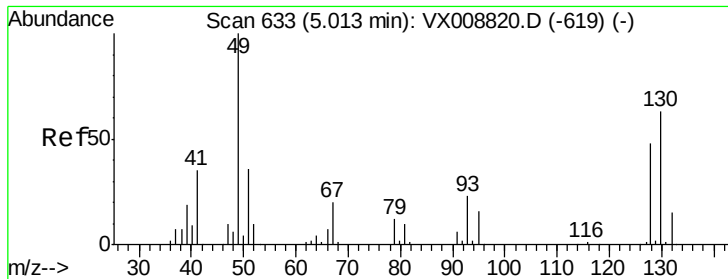
Tot Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
74 17.2 16.5 24.7



#27
cis-1,2-Dichloroethene
Concen: 1.464 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX008936.D
Acq: 13 Apr 2019 16:55

Tgt Ion: 96 Resp: 4181
Ion Ratio Lower Upper
96 100
61 150.9 0.0 327.6
98 63.7 0.0 128.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.06 min Scan# 640

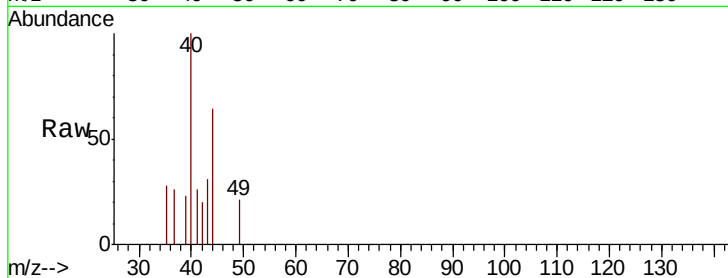
Delta R.T. 0.04 min

Lab File: VX008936.D

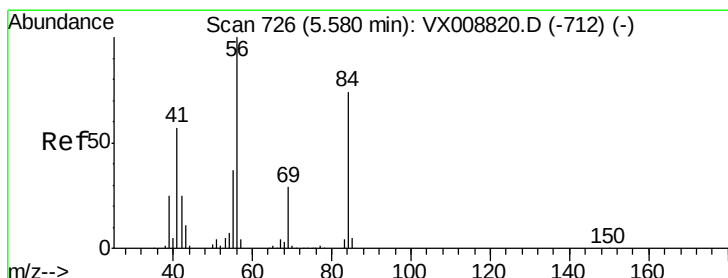
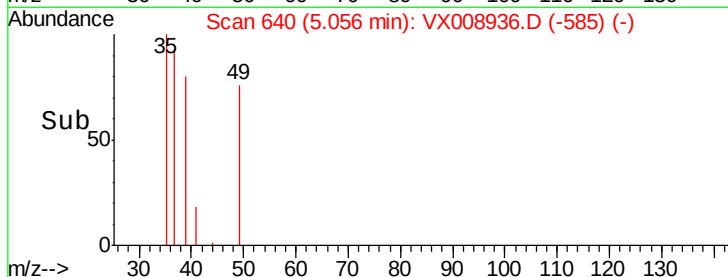
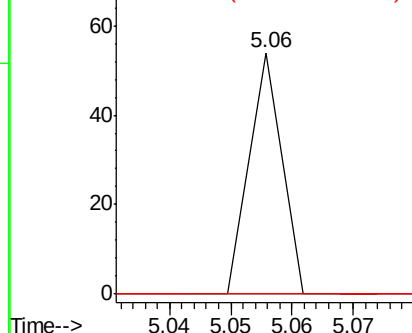
Acq: 13 Apr 2019 16:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.832 ug/l

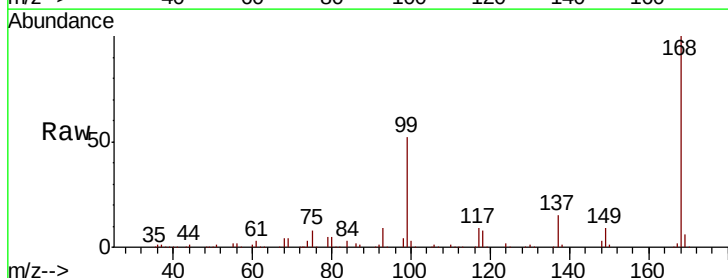
RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

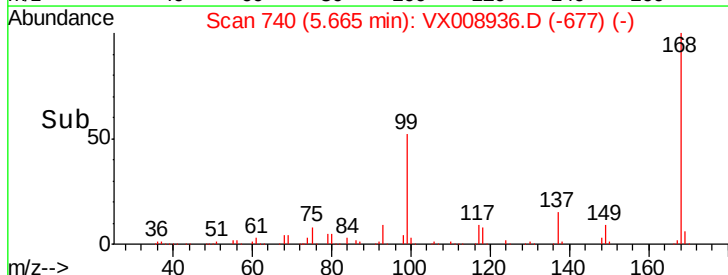
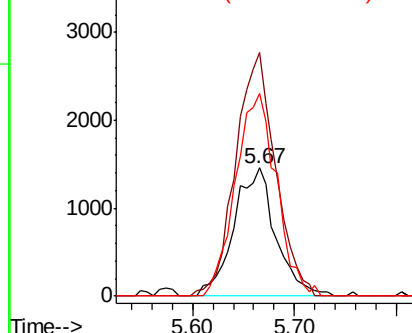
Lab File: VX008936.D

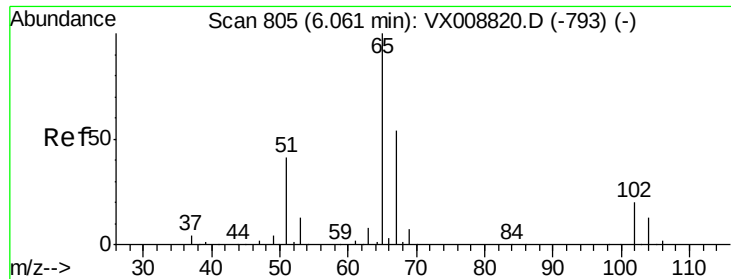
Acq: 13 Apr 2019 16:55

Tgt Ion: 56 Resp: 4166
Ion Ratio Lower Upper
56 100
69 189.7 22.6 33.8#
84 158.1 59.3 88.9#



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

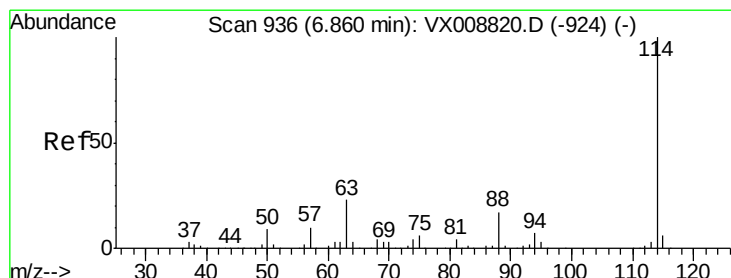
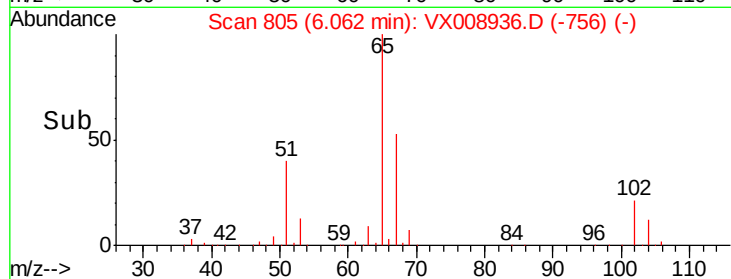
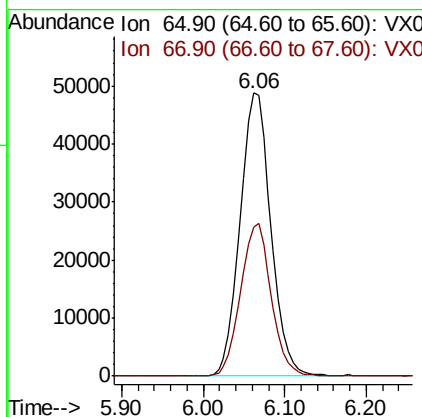
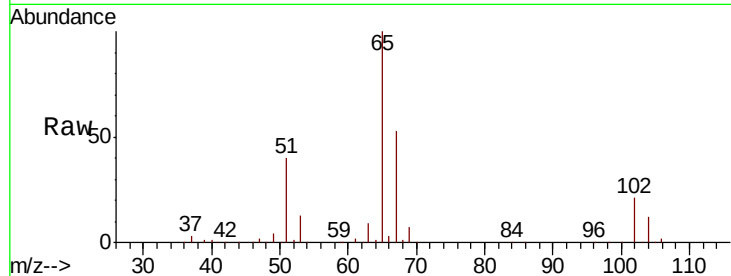




#33
 1,2-Dichloroethane-d4
 Concen: 44.198 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008936.D
 Acq: 13 Apr 2019 16:55

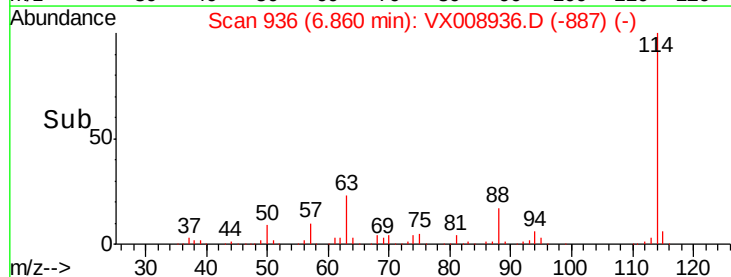
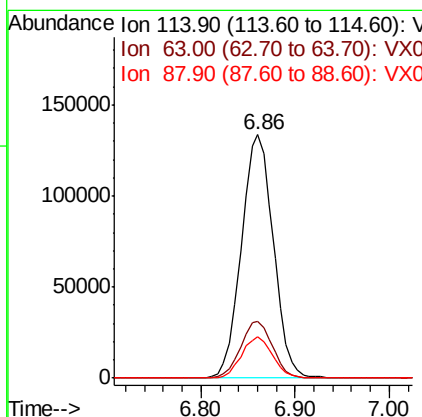
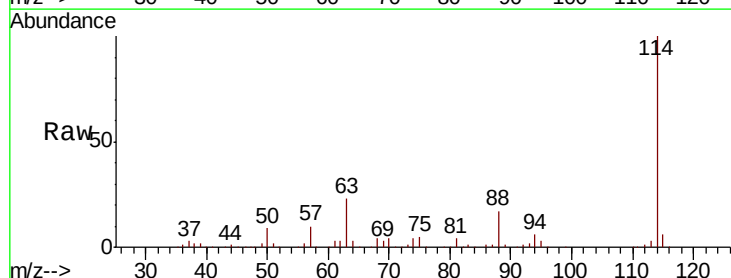
Instrument :
 MSVOA_X
 ClientSampled :

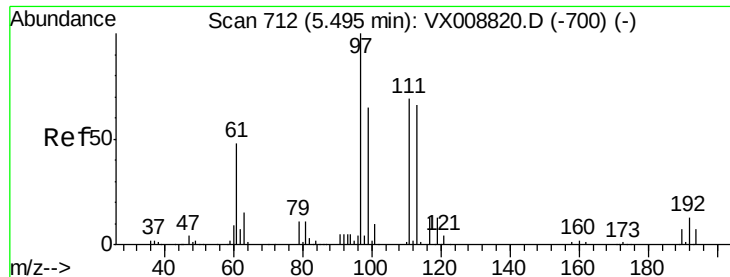
Tot Ion: 65 Resp: 128059
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008936.D
 Acq: 13 Apr 2019 16:55

Tgt Ion: 114 Resp: 314631
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.2
 88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.756 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

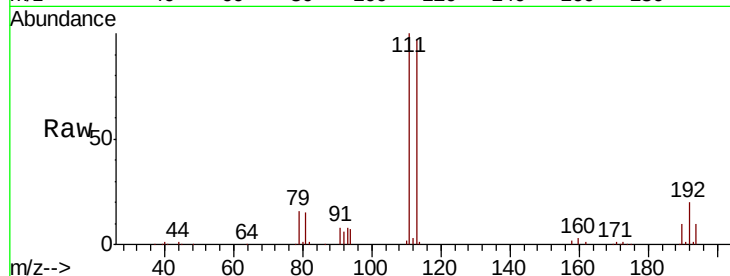
Tot Ion:113 Resp: 94056

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

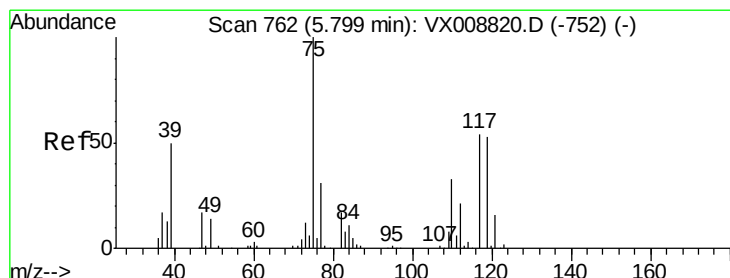
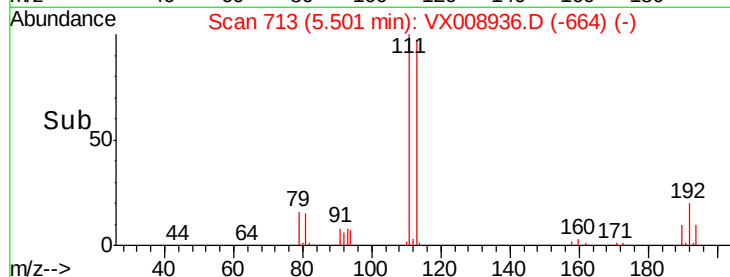
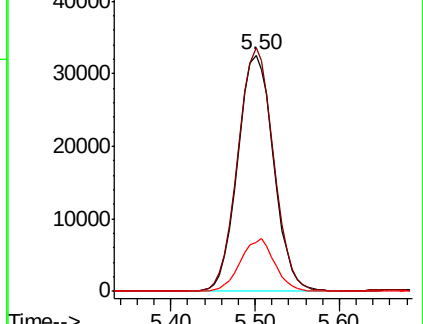
192 21.3 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.510 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

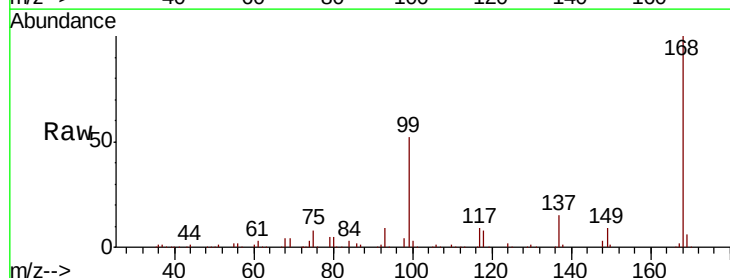
Tgt Ion: 75 Resp: 15511

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.2#

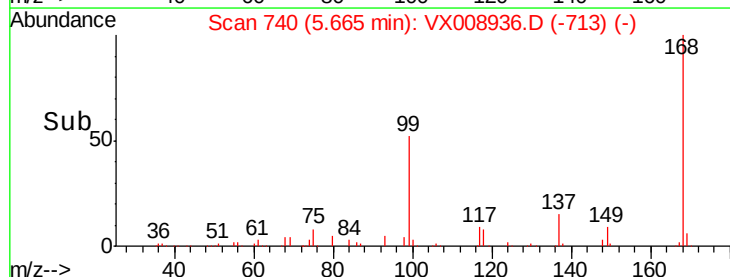
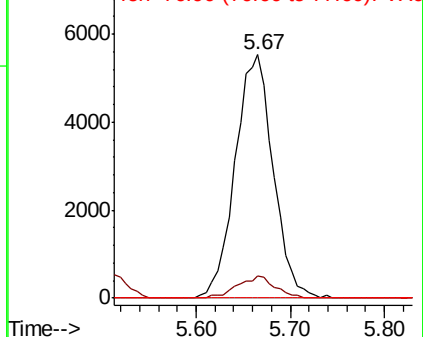
77 0.0 24.7 37.1#

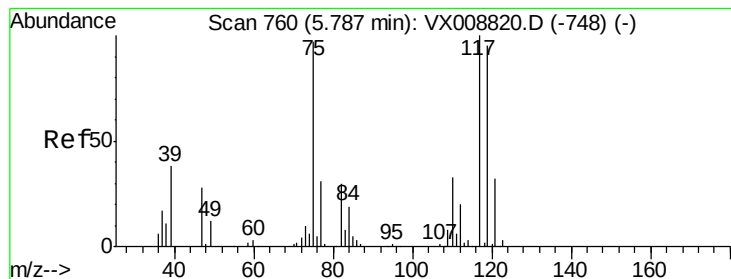


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.478 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

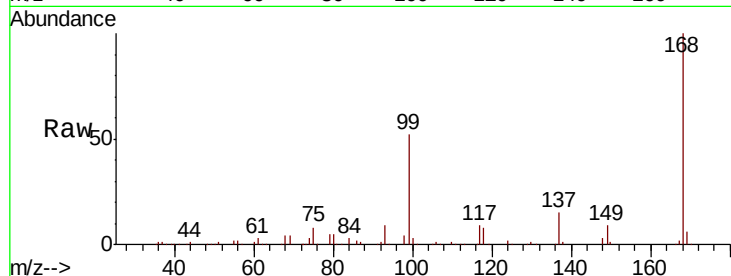
Tot Ion:117 Resp: 18439

Ion Ratio Lower Upper

117 100

119 4.9 75.0 112.6#

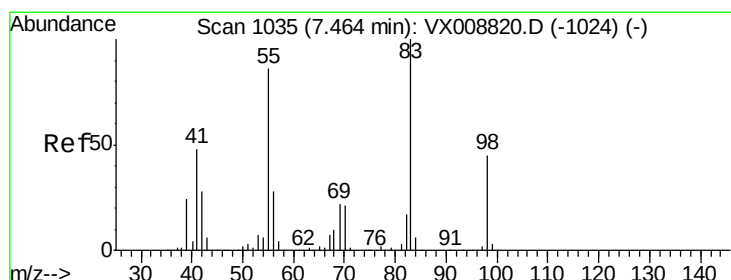
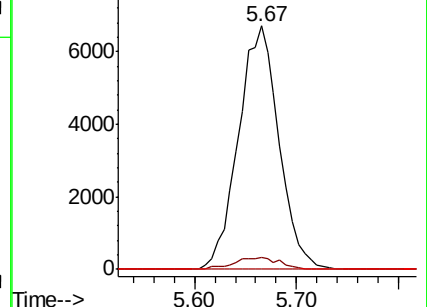
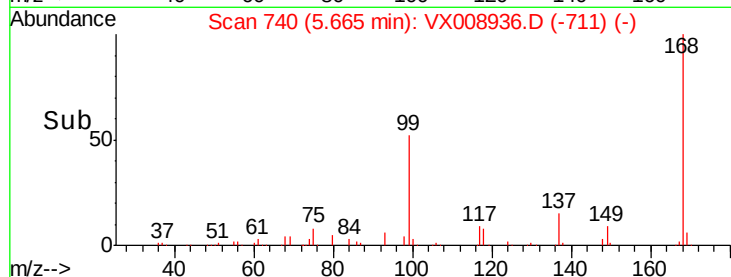
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.332 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.25 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

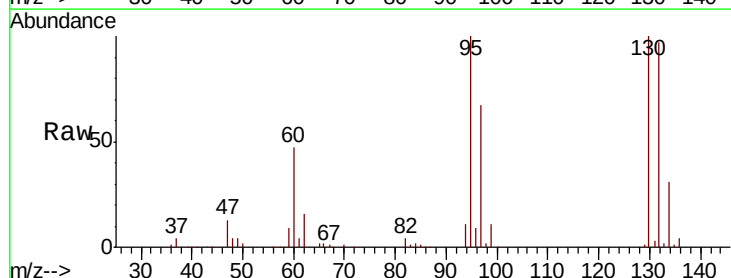
Tgt Ion: 83 Resp: 1411

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.6#

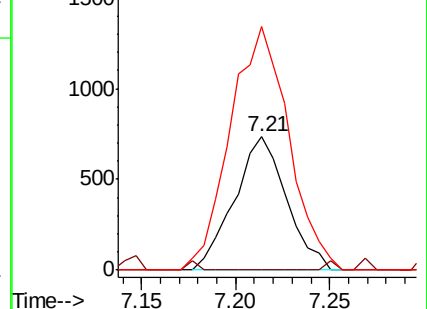
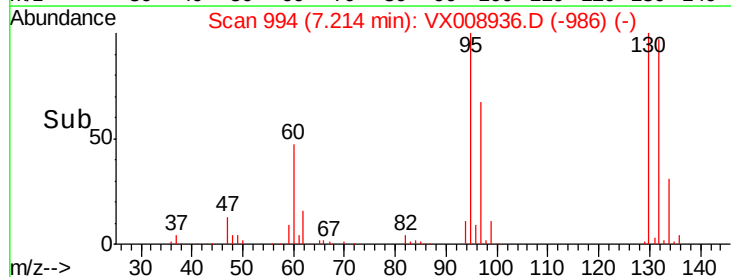
98 183.1 34.4 51.6#

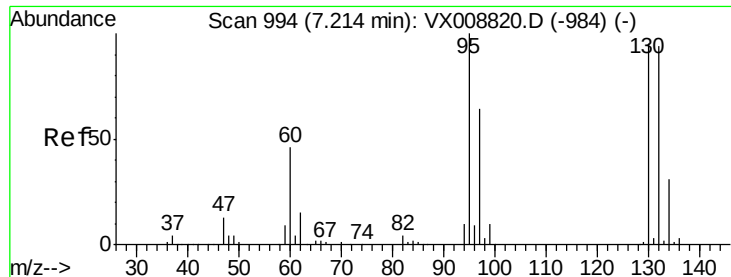


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

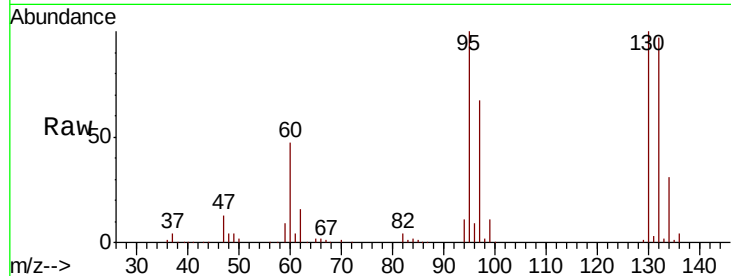




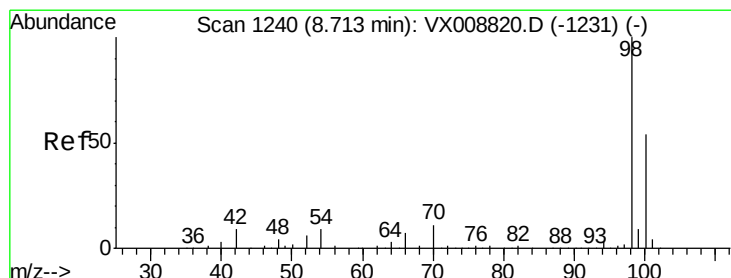
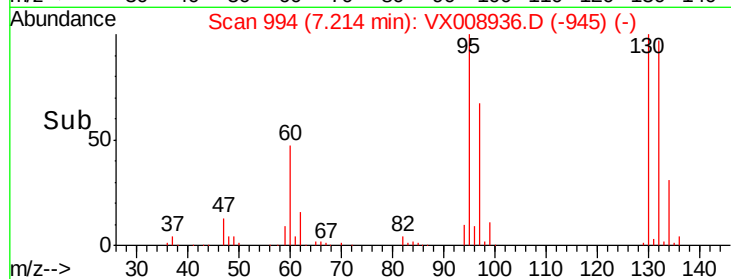
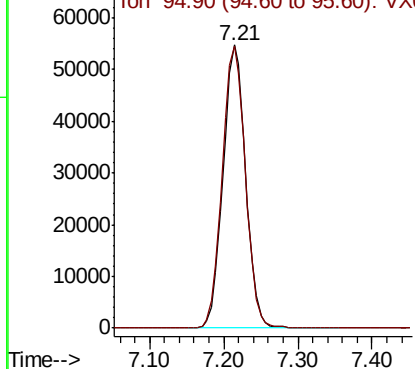
#44
 Trichloroethene
 Concen: 48.507 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008936.D
 Acq: 13 Apr 2019 16:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 115754
 Ion Ratio Lower Upper
 130 100
 95 99.8 0.0 209.8

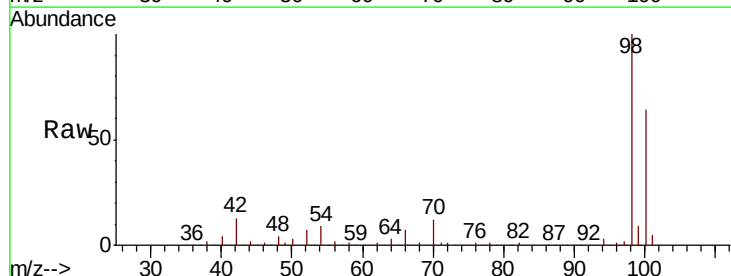


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

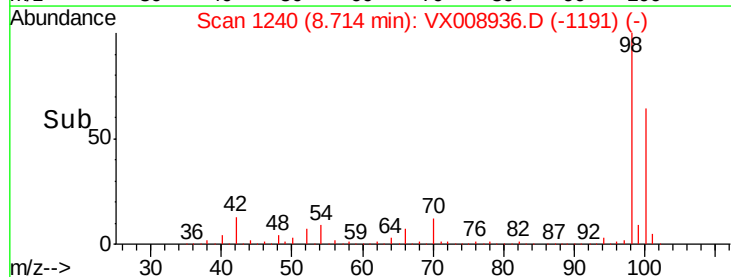
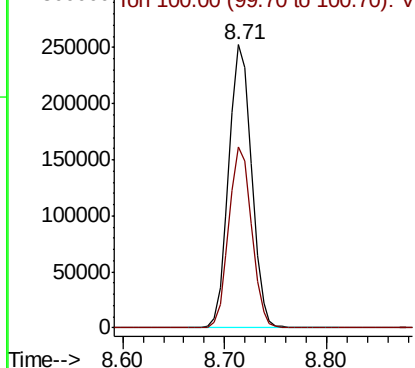


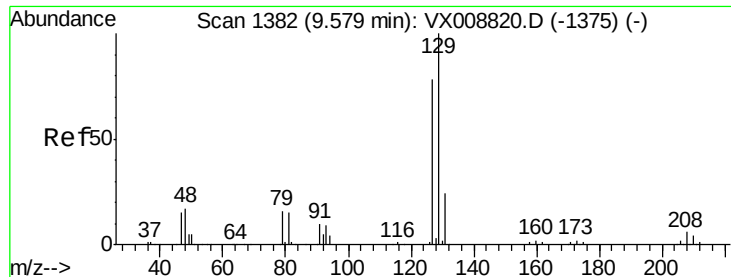
#50
 Toluene-d8
 Concen: 48.703 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008936.D
 Acq: 13 Apr 2019 16:55

Tgt Ion: 98 Resp: 390101
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 3.104 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

Instrument :

MSVOA_X

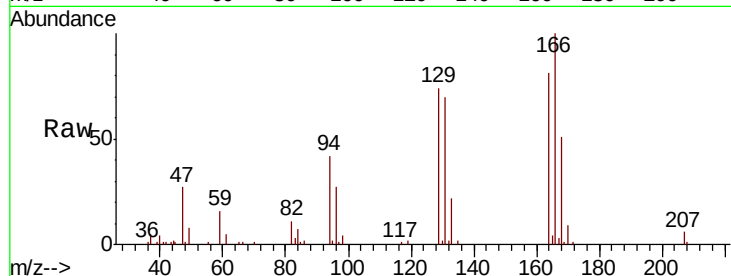
ClientSampled :

Tot Ion:129 Resp: 7093

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

9.34

6000

5000

4000

3000

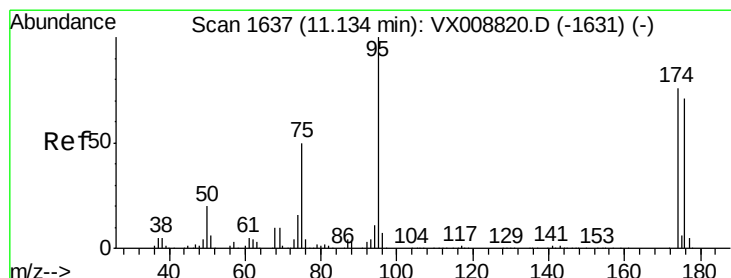
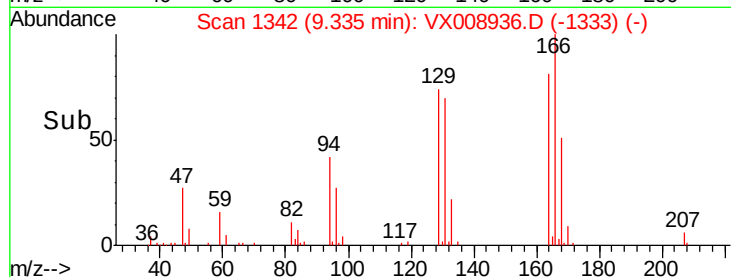
2000

1000

0

9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 45.316 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

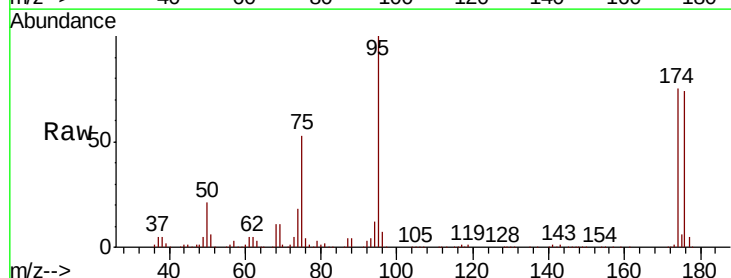
Tgt Ion: 95 Resp: 128714

Ion Ratio Lower Upper

95 100

174 80.8 0.0 151.8

176 79.0 0.0 145.8



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

11.13

120000

100000

80000

60000

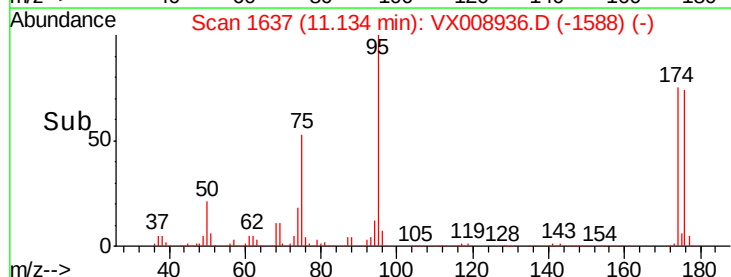
40000

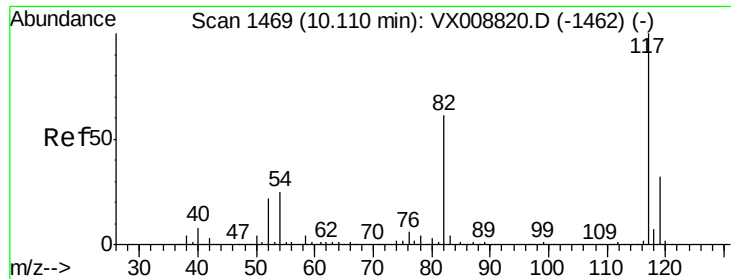
20000

0

11.10 11.20

Time-->

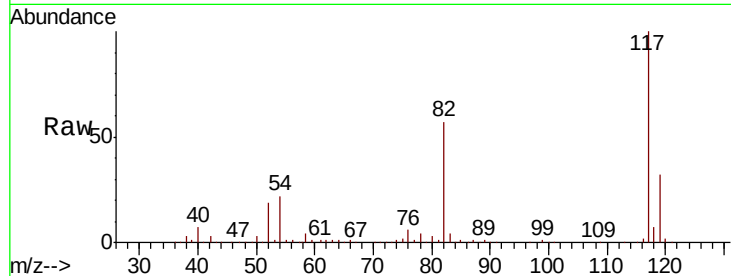




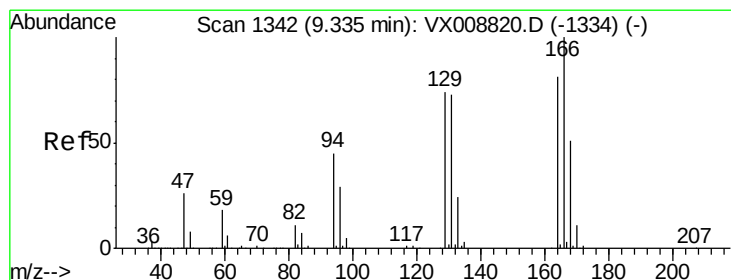
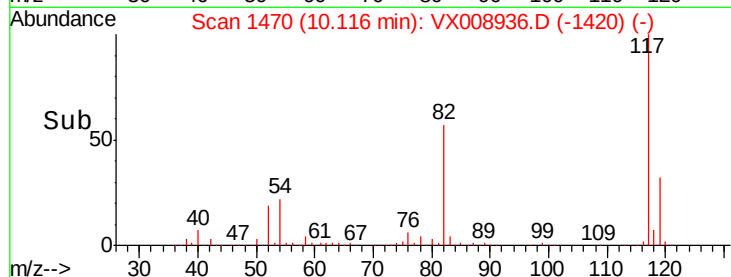
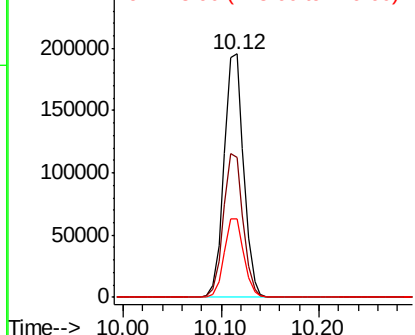
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008936.D
Acq: 13 Apr 2019 16:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 271598
Ion Ratio Lower Upper
117 100
82 57.3 49.6 74.4
119 32.1 25.0 37.4



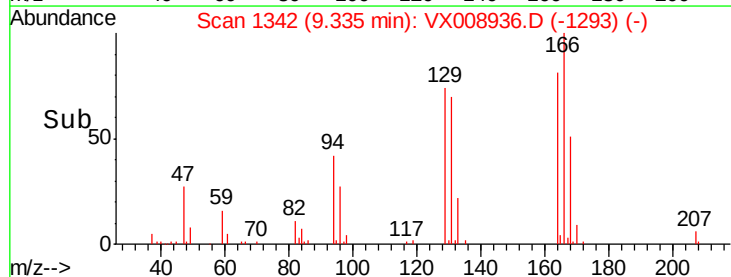
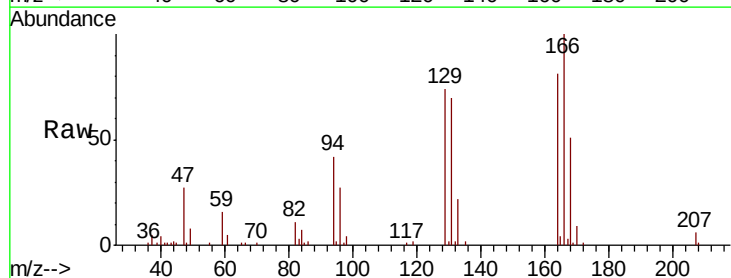
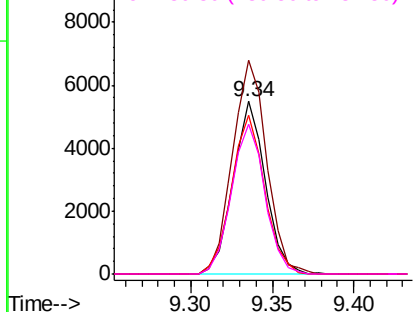
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

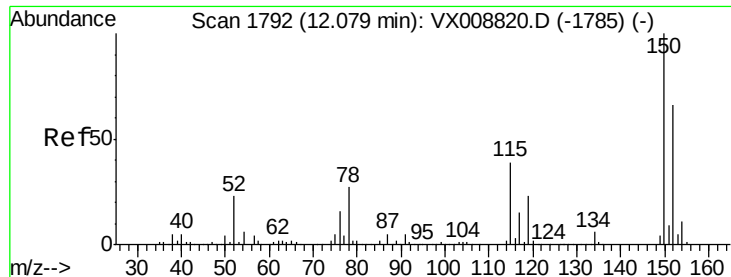


#64
Tetrachloroethene
Concen: 3.762 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008936.D
Acq: 13 Apr 2019 16:55

Tgt Ion:164 Resp: 7571
Ion Ratio Lower Upper
164 100
166 123.7 101.0 151.6
129 91.7 75.8 113.8
131 86.8 71.8 107.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

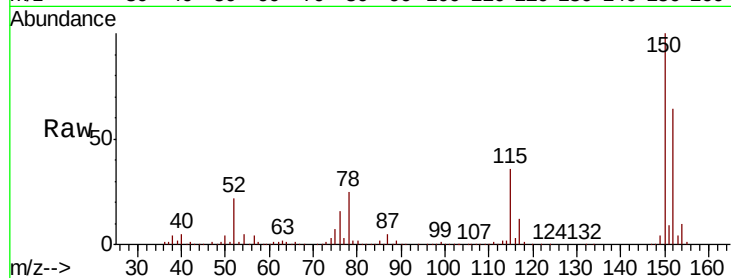
Tot Ion:152 Resp: 116898

Ion Ratio Lower Upper

152 100

115 58.4 43.5 130.5

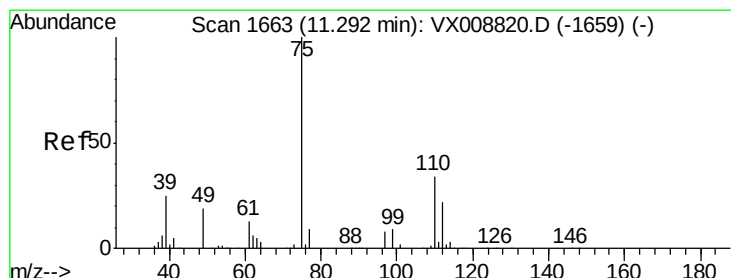
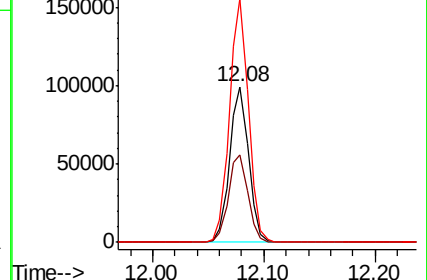
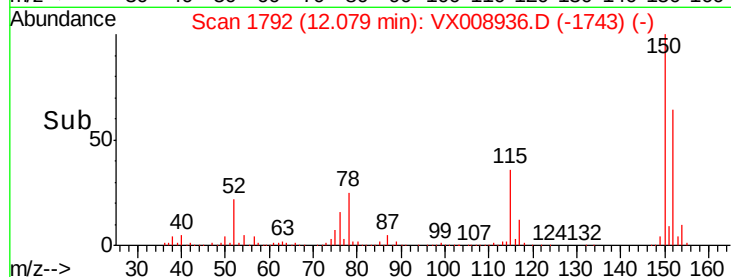
150 155.6 0.0 348.8



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



#76

1,2,3-Trichloropropane

Concen: 20.661 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008936.D

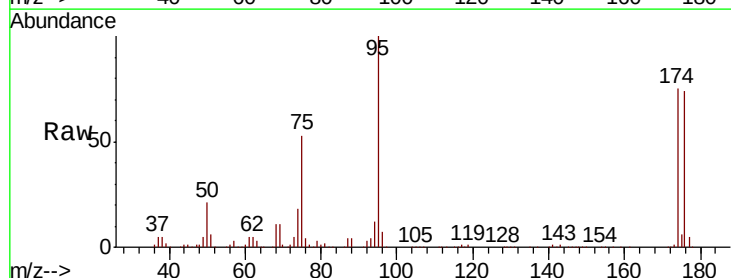
Acq: 13 Apr 2019 16:55

Tgt Ion: 75 Resp: 66348

Ion Ratio Lower Upper

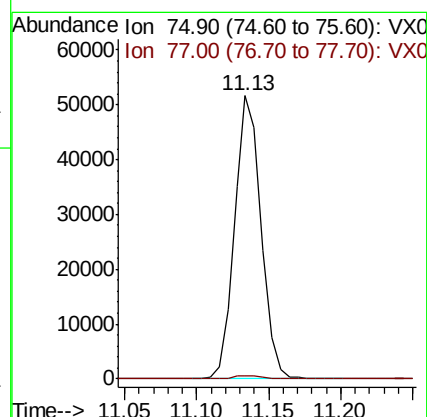
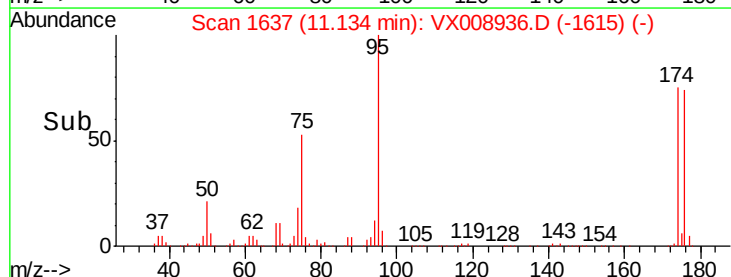
75 100

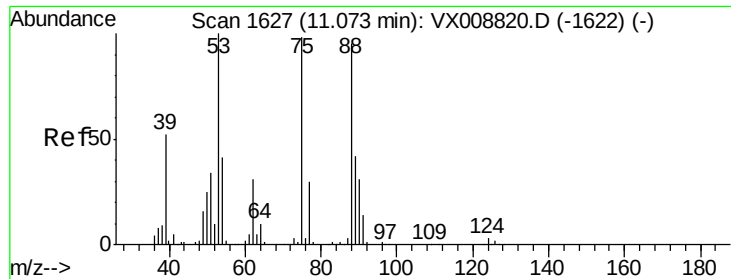
77 1.3 22.3 66.8#



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: 56.952 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008936.D

Acq: 13 Apr 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

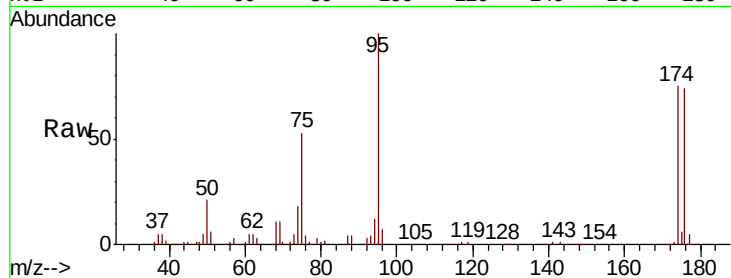
Tot Ion: 75 Resp: 66348

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

