

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008940.D
 Acq On : 13 Apr 2019 18:29
 Operator : JC/SP
 Sample : K2385-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 14 04:16:02 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	200669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116927	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	128746	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
35) Dibromofluoromethane	5.50	113	95636	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	8.71	98	395530	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.13	95	130934	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	

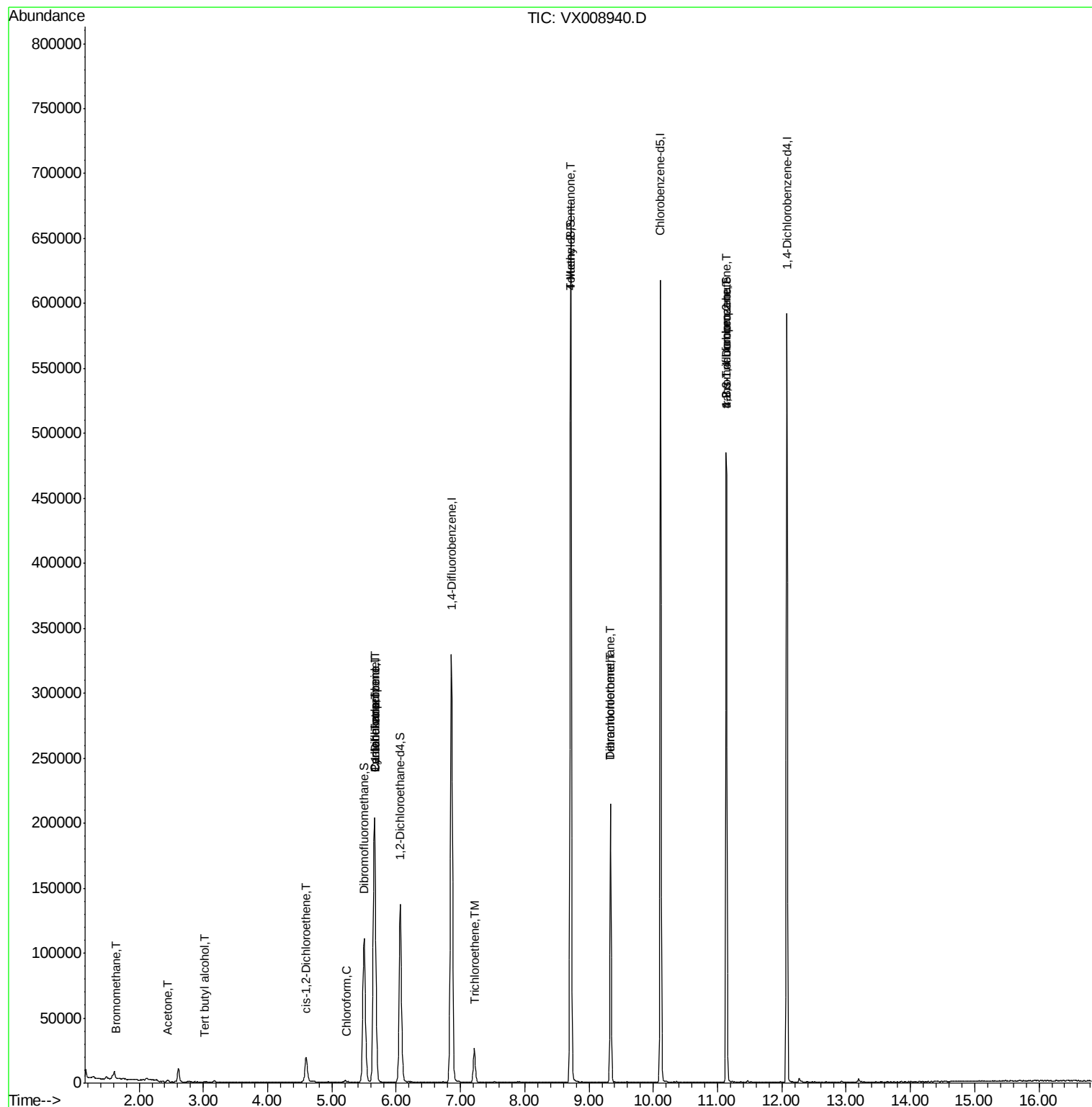
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	334	Below Cal	#	79
5) Bromomethane	1.64	94	42	1.912	ug/l #	77
6) Chloroethane	1.71	64	102	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	225	0.328	ug/l #	72
16) Acetone	2.45	43	1570	0.931	ug/l	95
17) Carbon Disulfide	2.57	76	485	Below Cal	#	75
27) cis-1,2-Dichloroethene	4.60	96	12652	4.385	ug/l	85
28) Bromochloromethane	4.90	49	18	Below Cal	#	22
30) Chloroform	5.22	83	1636	0.361	ug/l	99
31) Cyclohexane	5.67	56	4104	0.812	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15853	4.494	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18707	6.407	ug/l #	16
44) Trichloroethene	7.21	130	9815	4.010	ug/l	98
51) 4-Methyl-2-Pentanone	8.71	43	2041	0.430	ug/l #	1
60) Dibromochloromethane	9.34	129	39068	16.671	ug/l #	11
64) Tetrachloroethene	9.34	164	41500	20.361	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	65906	20.518	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65906	56.559	ug/l #	9

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008940.D

Acq: 13 Apr 2019 18:29

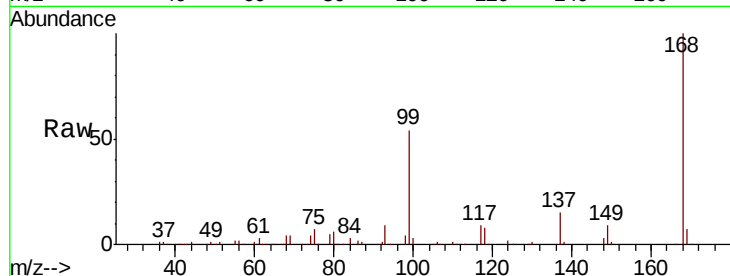
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 200669

Ion Ratio Lower Upper

168 100

99 54.4 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

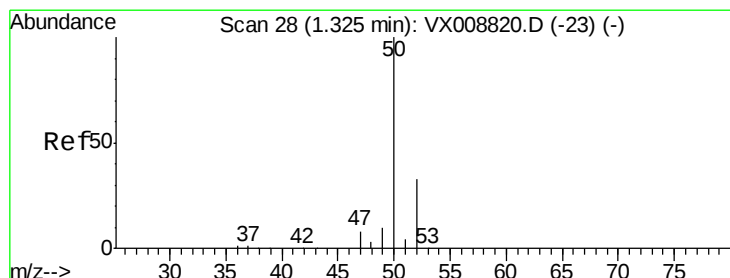
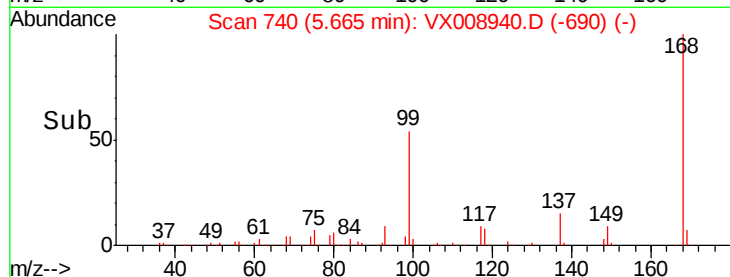
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008940.D

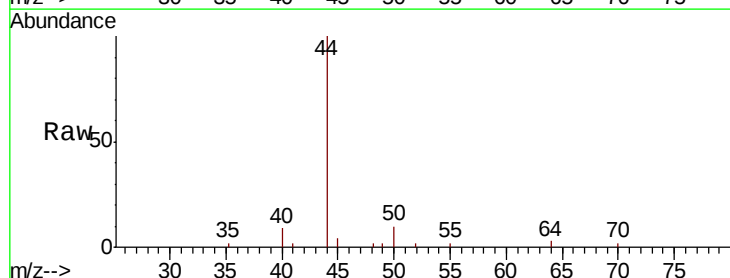
Acq: 13 Apr 2019 18:29

Tgt Ion: 50 Resp: 334

Ion Ratio Lower Upper

50 100

52 20.7 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

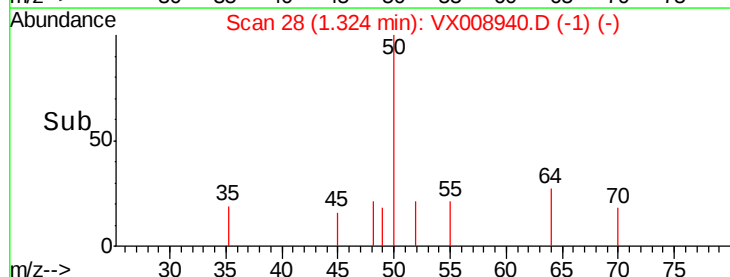
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 1.912 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008940.D

Acq: 13 Apr 2019 18:29

Instrument :

MSVOA_X

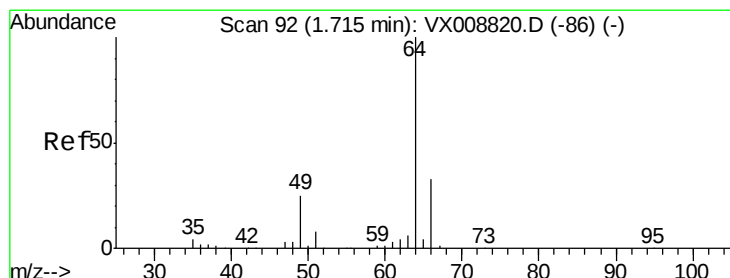
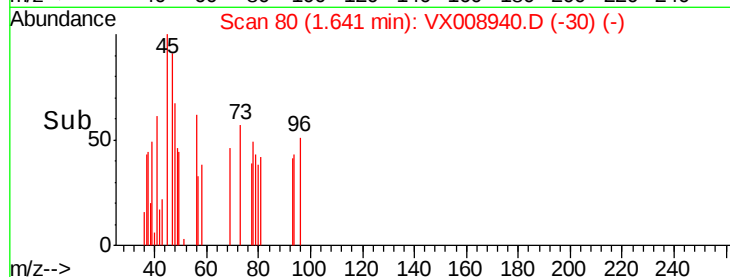
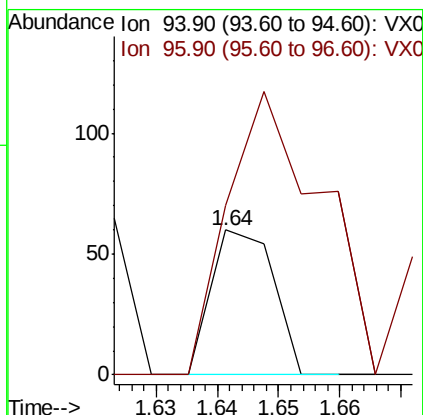
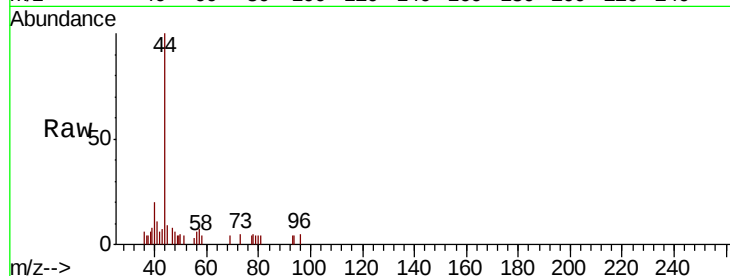
ClientSampled :

Tot Ion: 94 Resp: 42

Ion Ratio Lower Upper

94 100

96 116.7 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008940.D

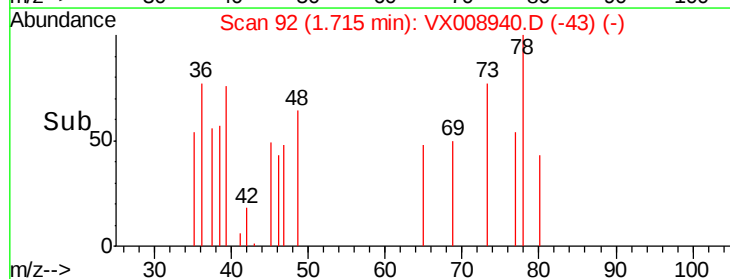
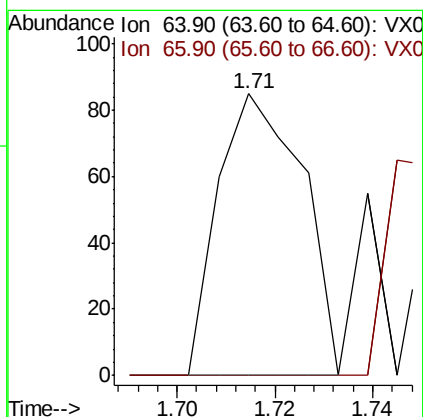
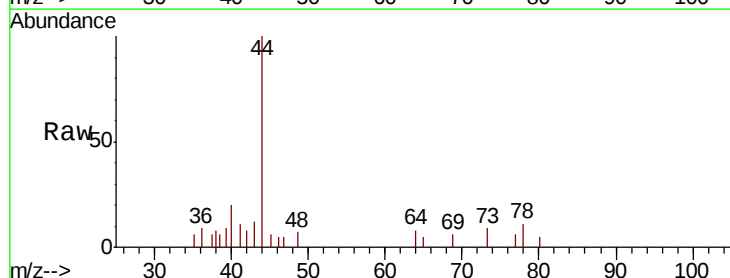
Acq: 13 Apr 2019 18:29

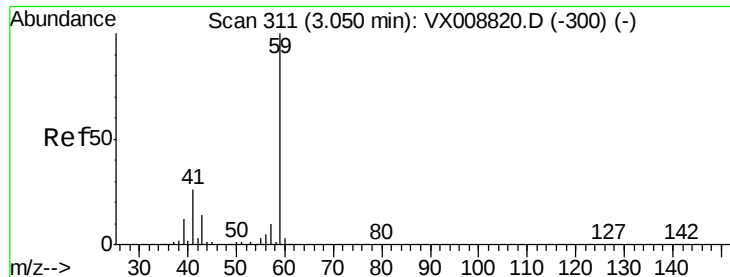
Tgt Ion: 64 Resp: 102

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



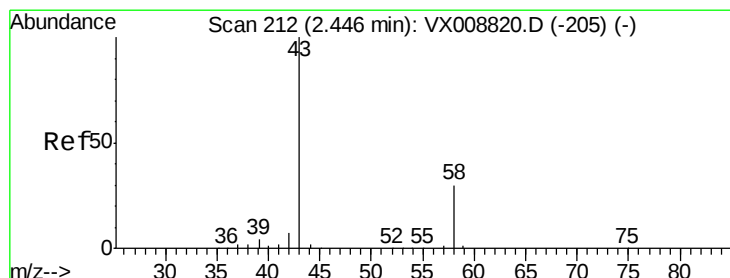
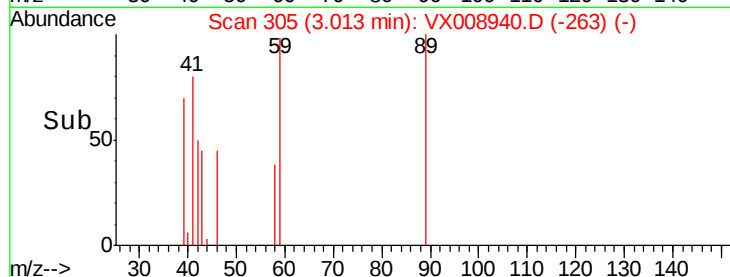
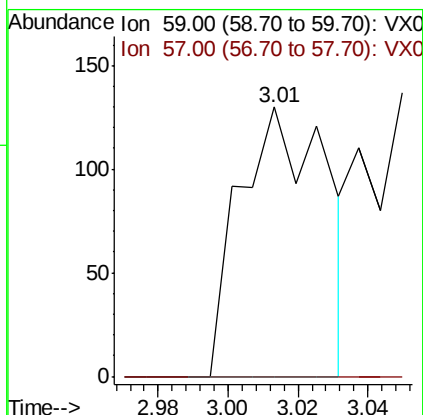
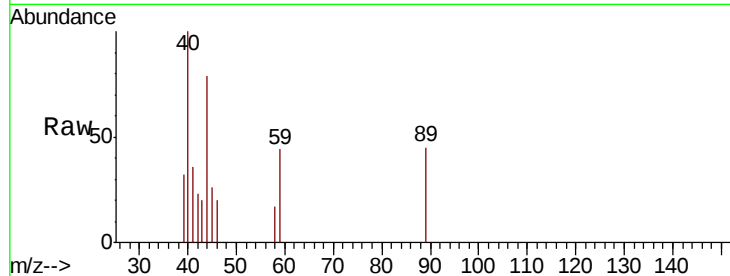


#11

Tert butyl alcohol
 Concen: 0.328 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX008940.D
 Acq: 13 Apr 2019 18:29

Instrument :
 MSVOA_X
 ClientSampled :

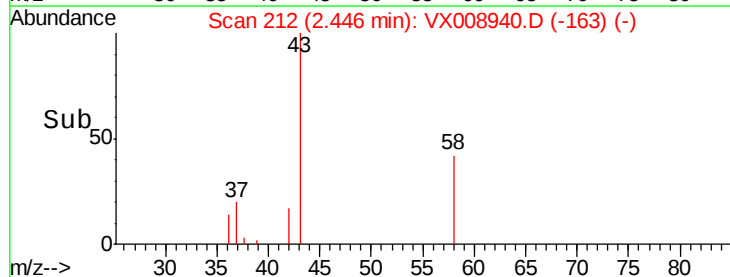
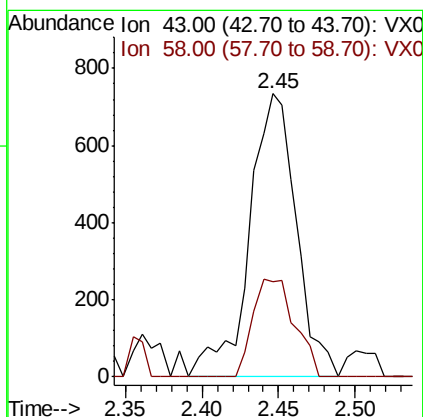
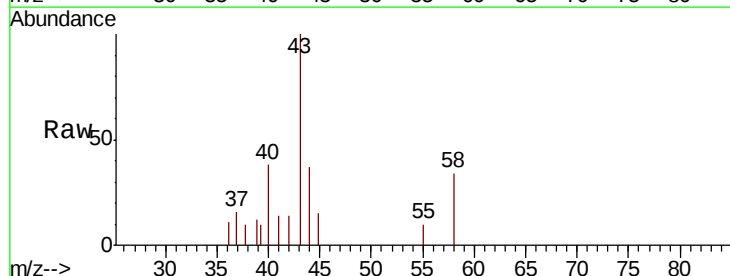
Tot Ion: 59 Resp: 225
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

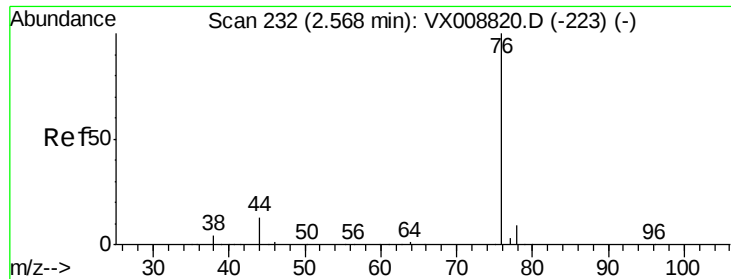


#16

Acetone
 Concen: 0.931 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX008940.D
 Acq: 13 Apr 2019 18:29

Tgt Ion: 43 Resp: 1570
 Ion Ratio Lower Upper
 43 100
 58 33.8 24.8 37.2

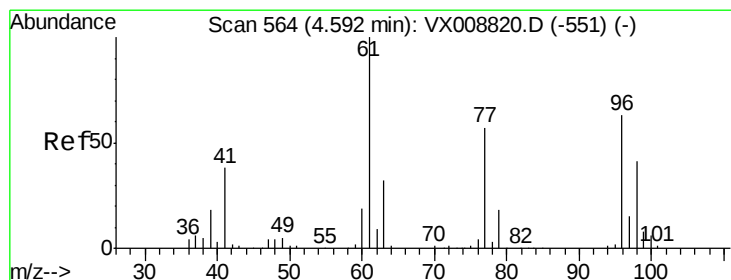
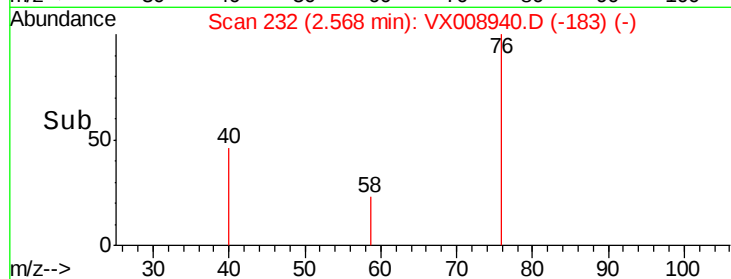
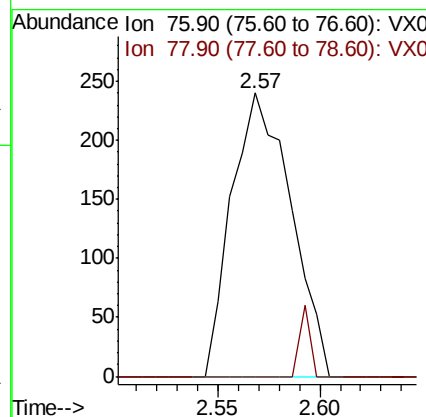
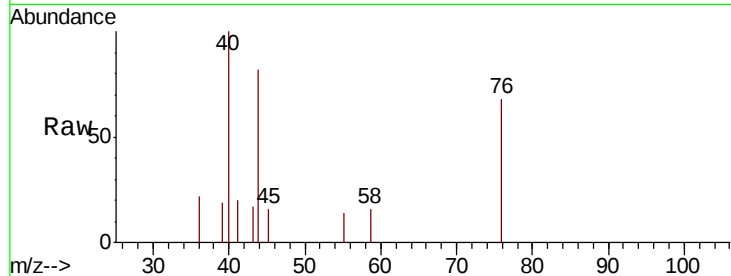




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008940.D
Acq: 13 Apr 2019 18:29

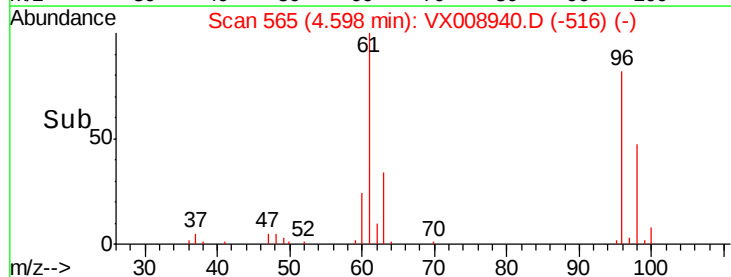
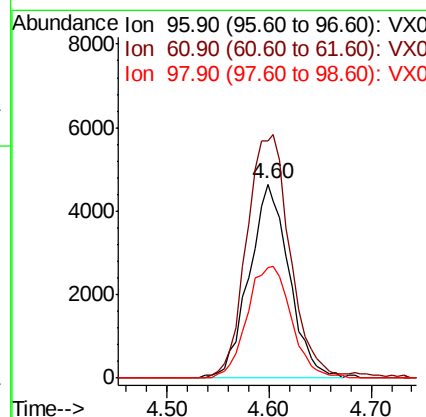
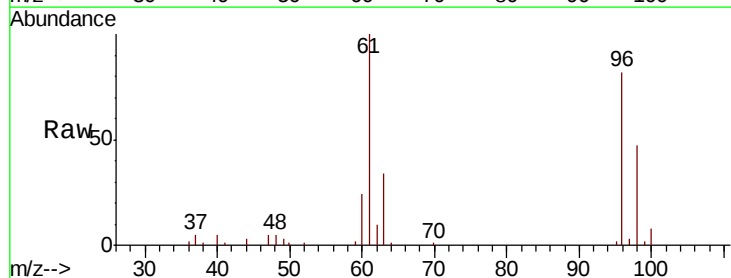
Instrument :
MSVOA_X
ClientSampled :

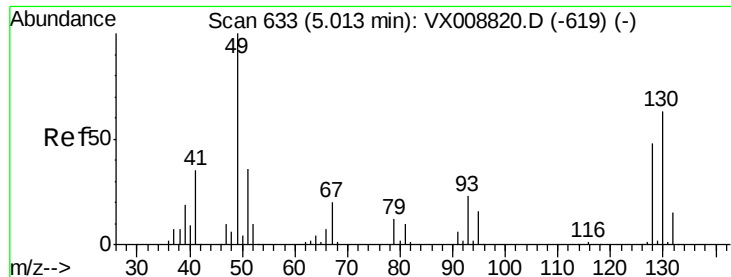
Tot Ion: 76 Resp: 485
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#27
cis-1,2-Dichloroethene
Concen: 4.385 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008940.D
Acq: 13 Apr 2019 18:29

Tgt Ion: 96 Resp: 12652
Ion Ratio Lower Upper
96 100
61 136.1 0.0 327.6
98 63.4 0.0 128.6

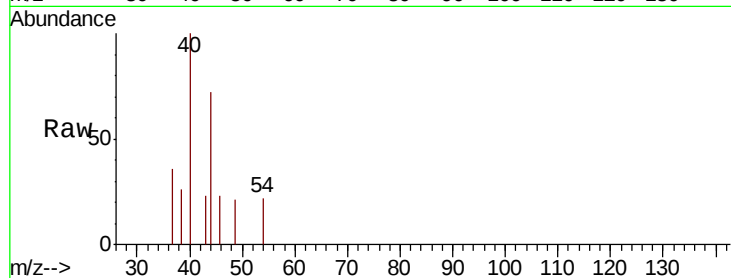




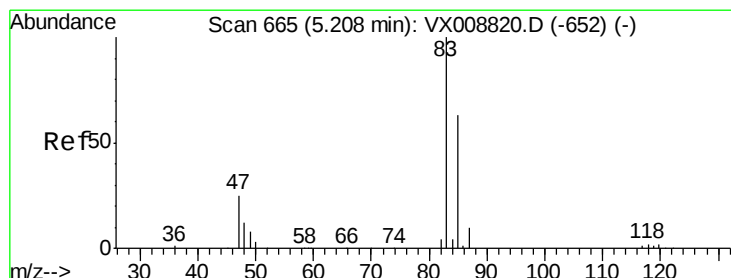
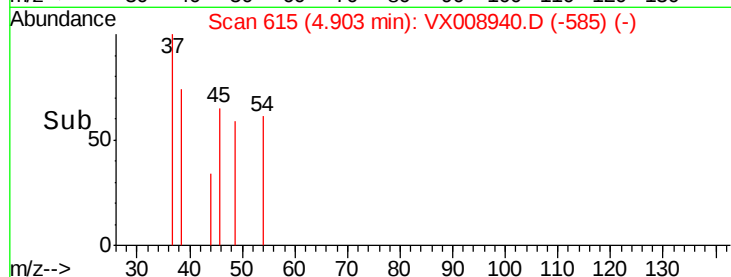
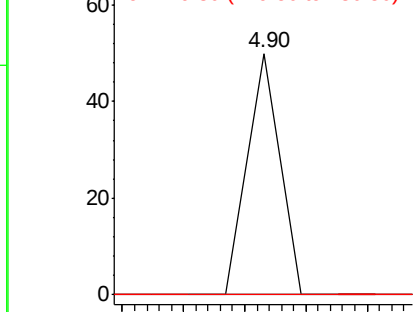
#28
Bromochloromethane
Concen: Below Cal
RT: 4.90 min Scan# 615
Delta R.T. -0.12 min
Lab File: VX008940.D
Acq: 13 Apr 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 18
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

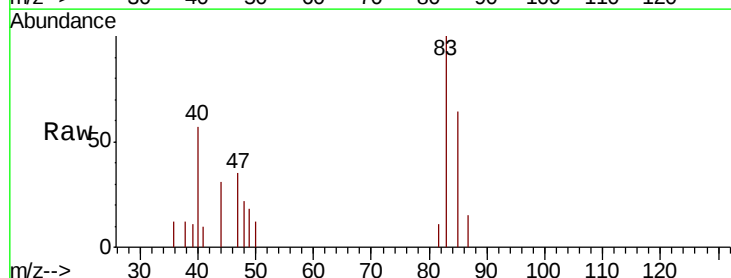


Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

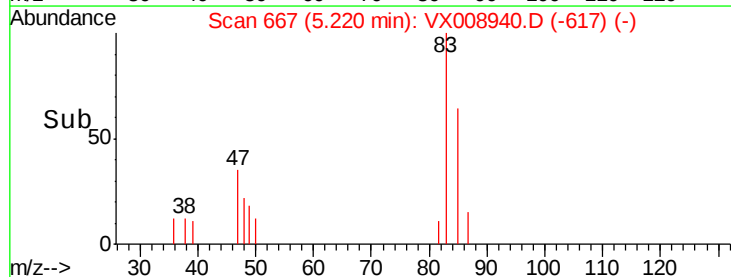
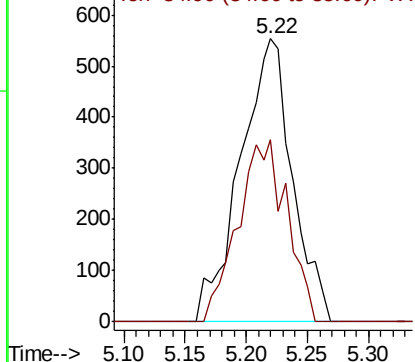


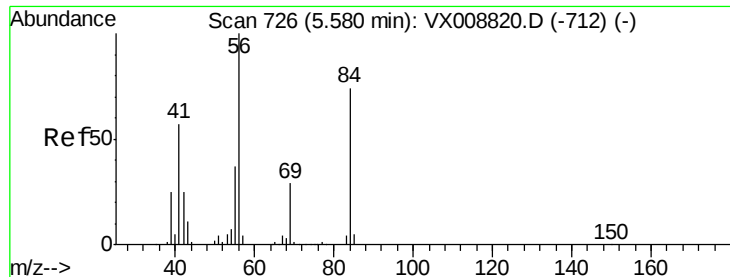
#30
Chloroform
Concen: 0.361 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX008940.D
Acq: 13 Apr 2019 18:29

Tgt Ion: 83 Resp: 1636
Ion Ratio Lower Upper
83 100
85 64.2 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

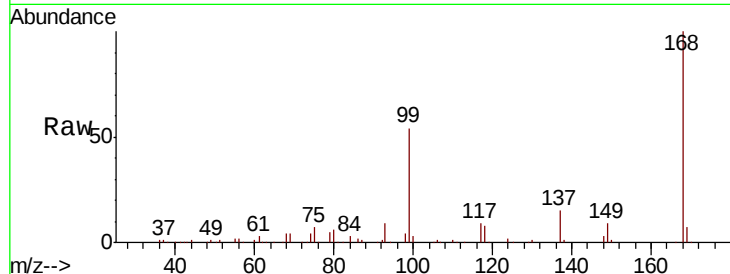




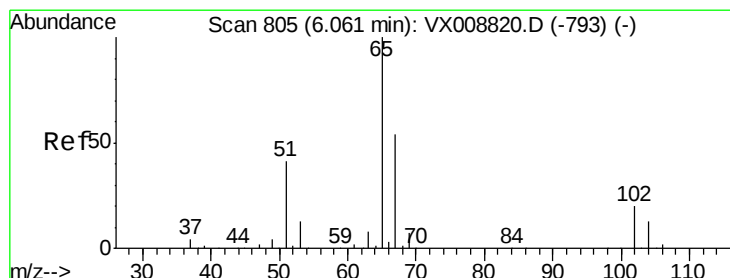
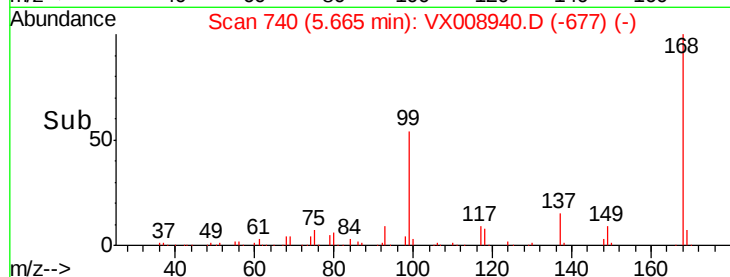
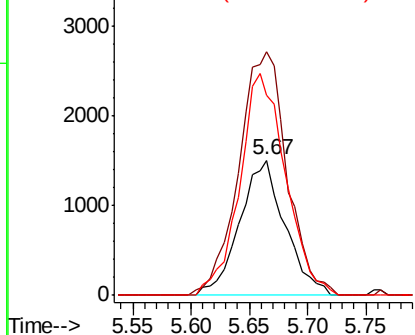
#31
Cyclohexane
Concen: 0.812 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008940.D
Acq: 13 Apr 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4104
Ion Ratio Lower Upper
56 100
69 179.9 22.6 33.8#
84 148.3 59.3 88.9#

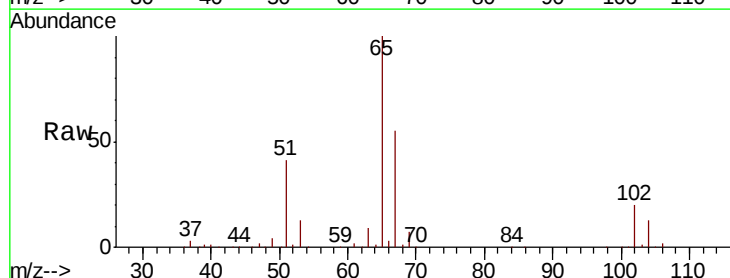


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

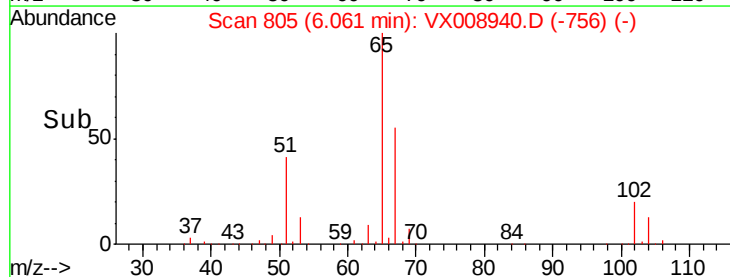
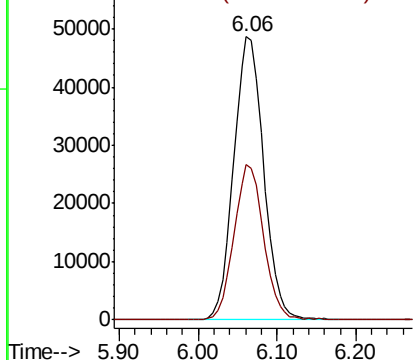


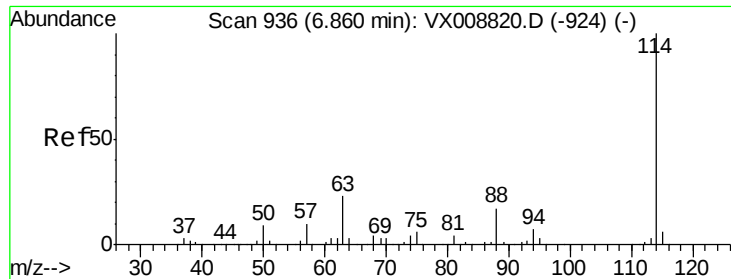
#33
1,2-Dichloroethane-d4
Concen: 43.988 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008940.D
Acq: 13 Apr 2019 18:29

Tgt Ion: 65 Resp: 128746
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



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

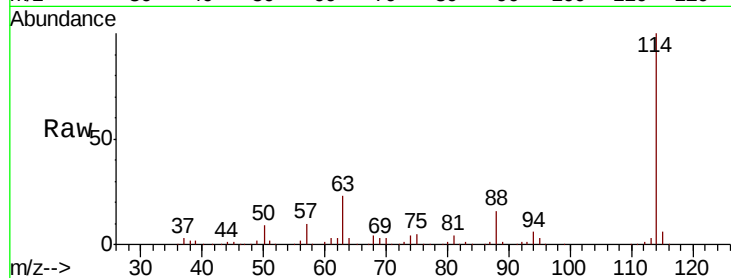




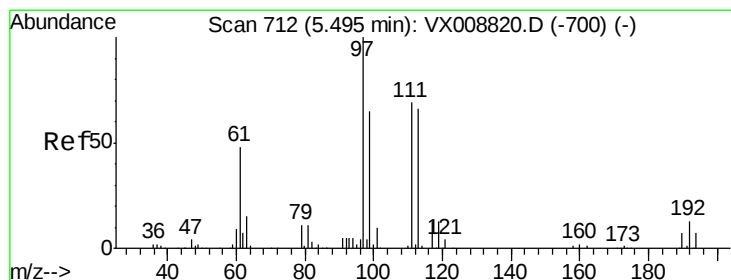
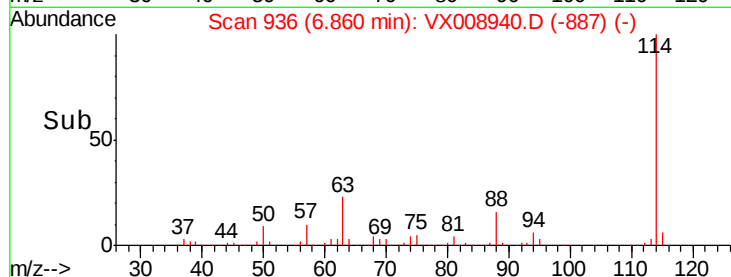
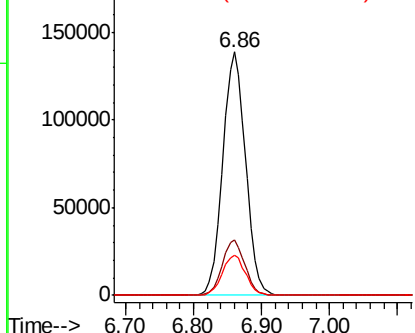
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008940.D
Acq: 13 Apr 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 322704
Ion Ratio Lower Upper
114 100
63 22.9 0.0 47.2
88 16.5 0.0 34.0

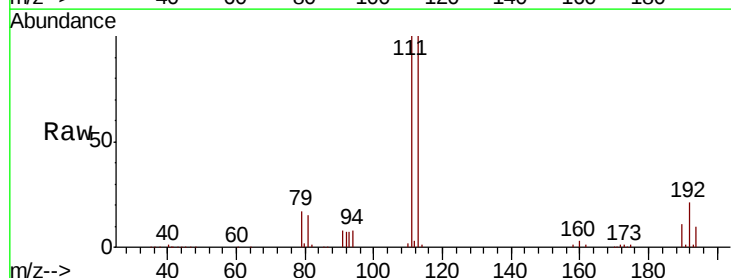


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

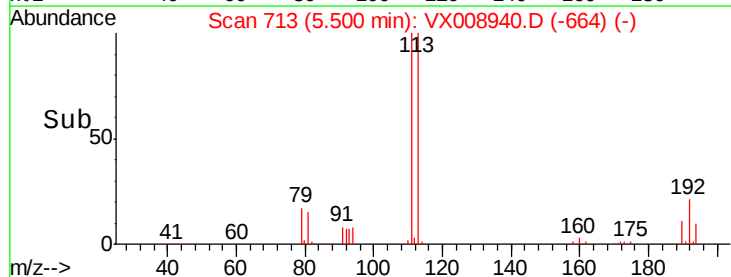
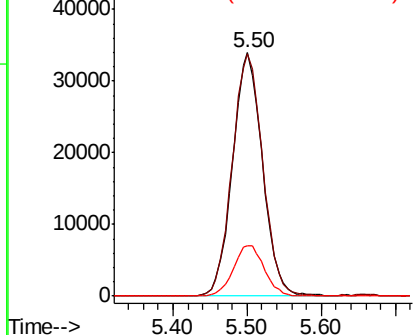


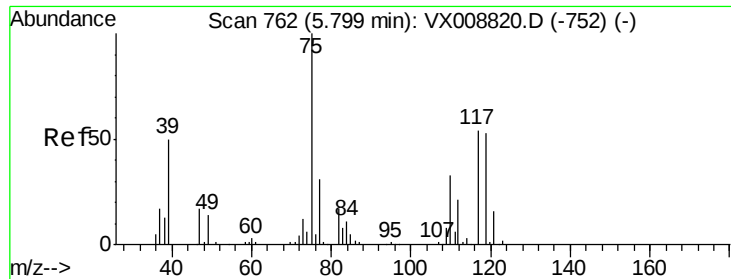
#35
Dibromofluoromethane
Concen: 46.352 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008940.D
Acq: 13 Apr 2019 18:29

Tgt Ion:113 Resp: 95636
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.2
192 21.4 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

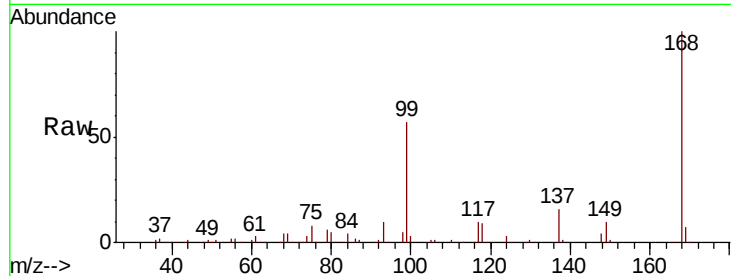




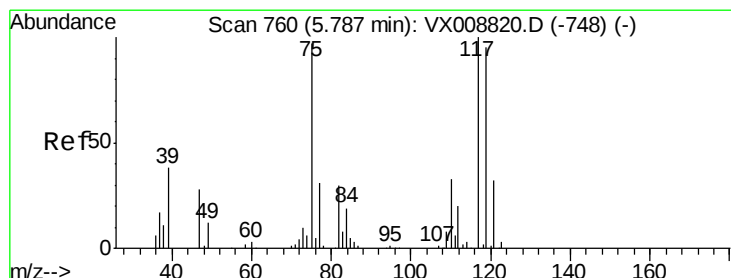
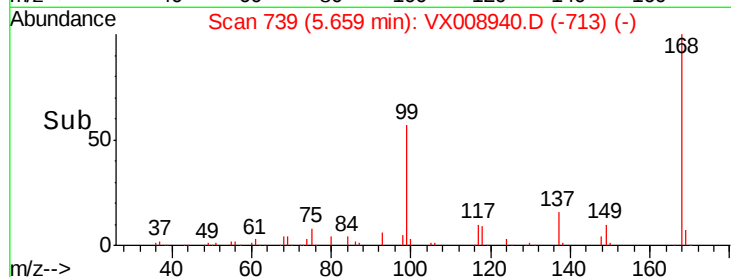
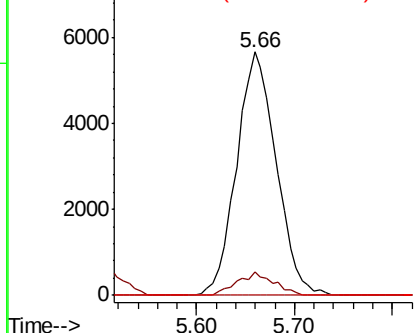
#36
 1,1-Dichloropropene
 Concen: 4.494 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008940.D
 Acq: 13 Apr 2019 18:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.2#
77	0.0	24.7	37.1#

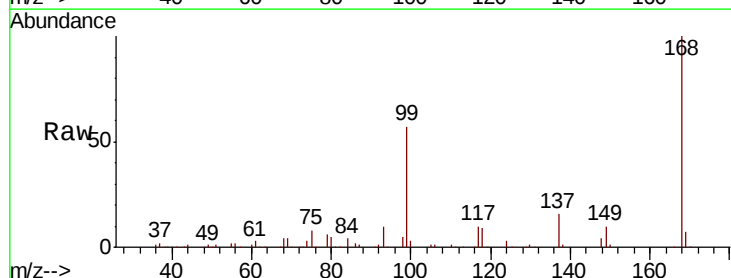


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

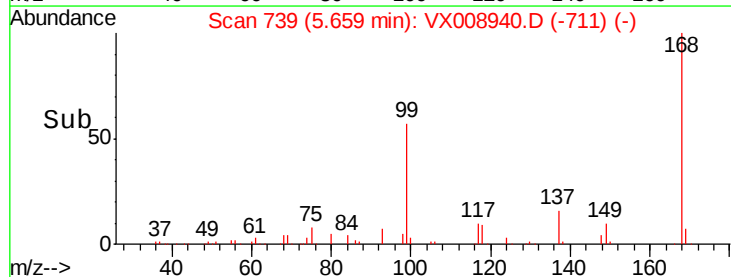
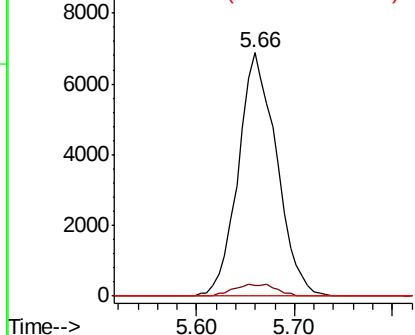


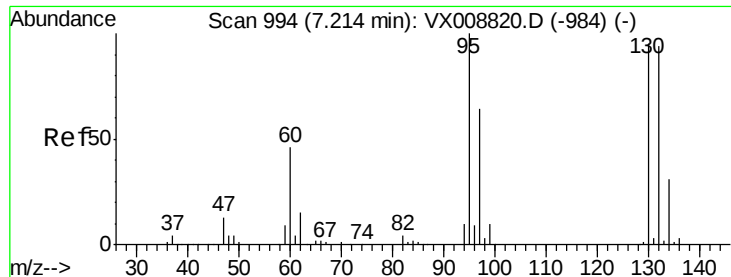
#38
 Carbon Tetrachloride
 Concen: 6.407 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008940.D
 Acq: 13 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	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





#44

Trichloroethene

Concen: 4.010 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008940.D

Acq: 13 Apr 2019 18:29

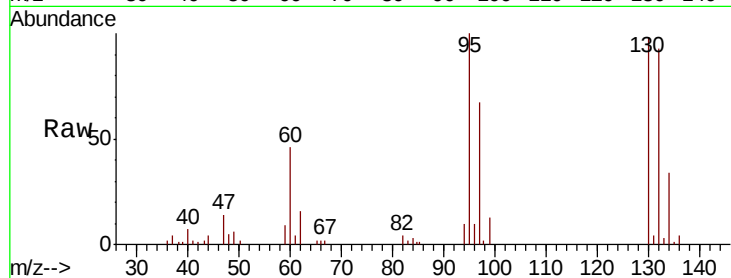
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:130 Resp: 9815

Ion Ratio Lower Upper

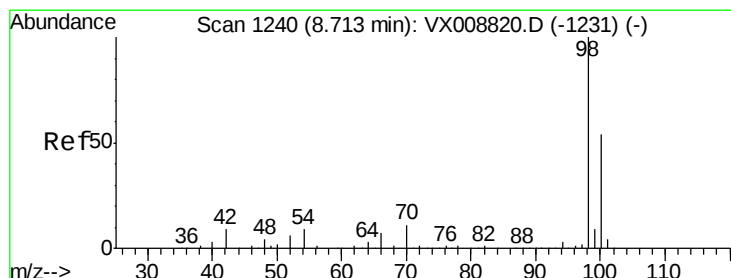
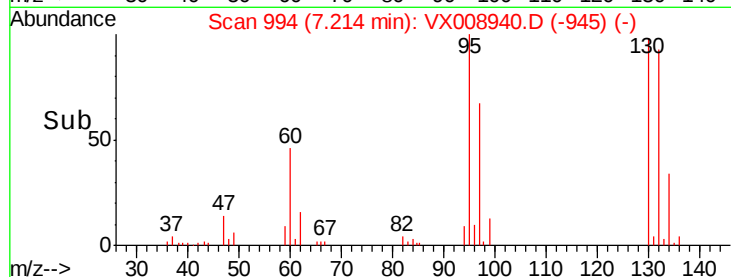
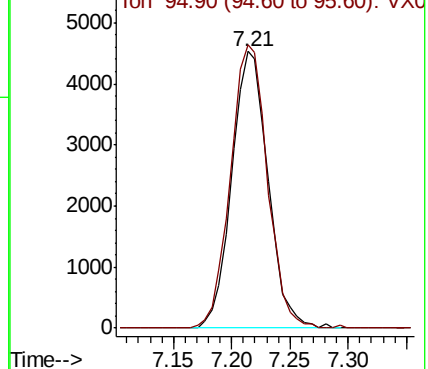
130 100

95 102.4 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: 48.146 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008940.D

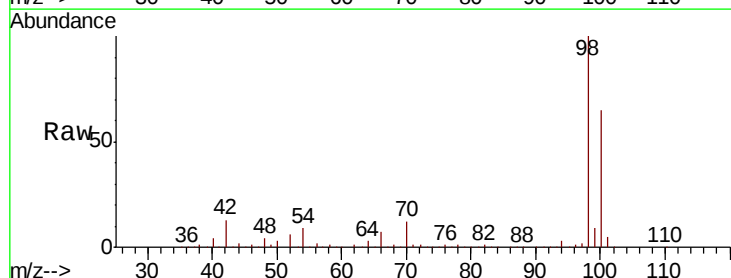
Acq: 13 Apr 2019 18:29

Tgt Ion: 98 Resp: 395530

Ion Ratio Lower Upper

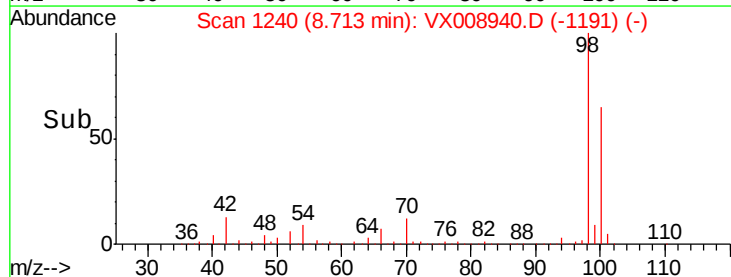
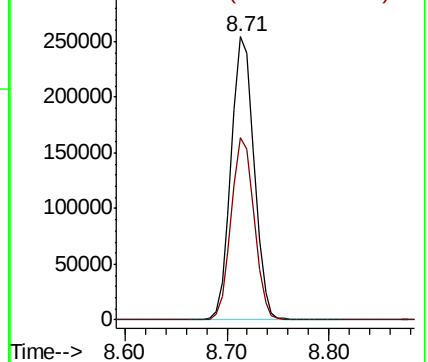
98 100

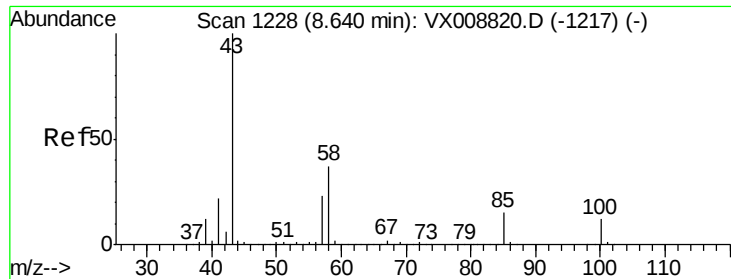
100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

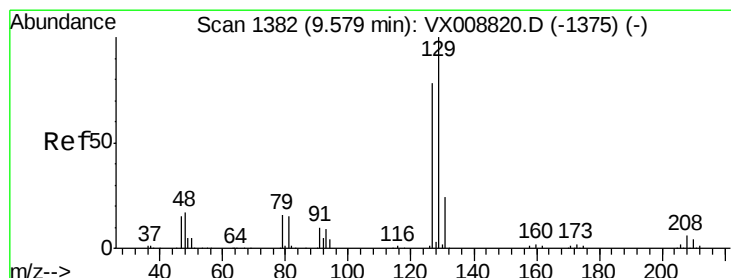
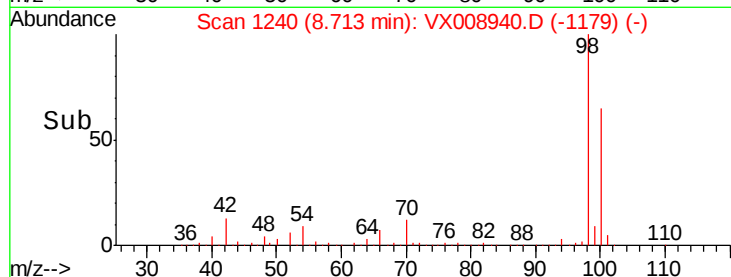
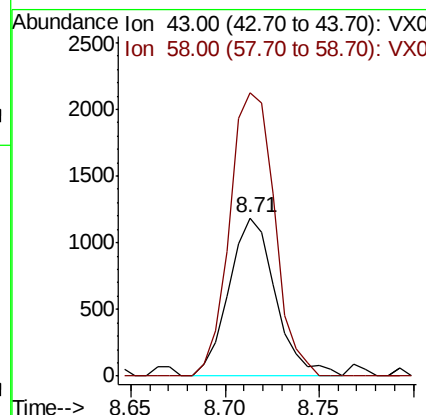
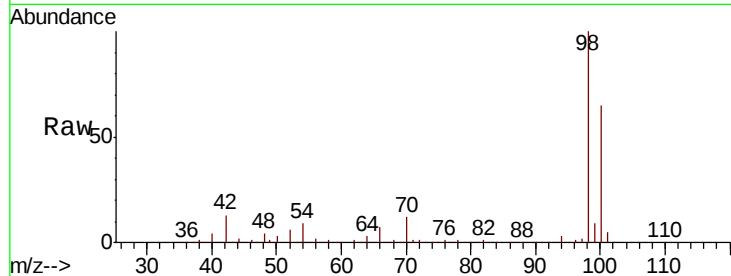




#51
 4-Methyl-2-Pentanone
 Concen: 0.430 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.07 min
 Lab File: VX008940.D
 Acq: 13 Apr 2019 18:29

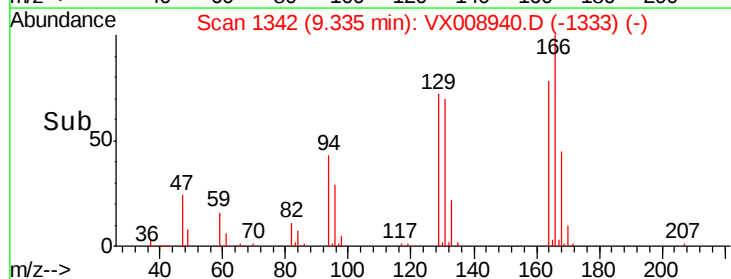
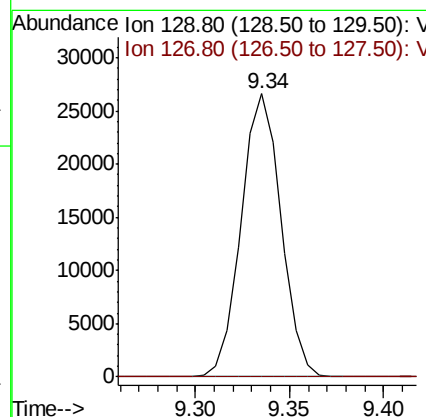
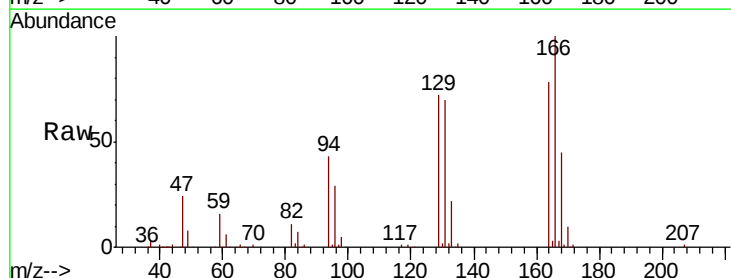
Instrument :
 MSVOA_X
 ClientSampleID :

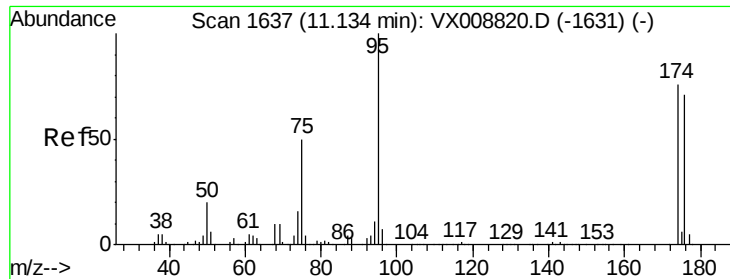
Tot Ion: 43 Resp: 2041
 Ion Ratio Lower Upper
 43 100
 58 172.0 29.5 44.3#



#60
 Dibromochloromethane
 Concen: 16.671 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008940.D
 Acq: 13 Apr 2019 18:29

Tgt Ion: 129 Resp: 39068
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 44.944 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008940.D

Acq: 13 Apr 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

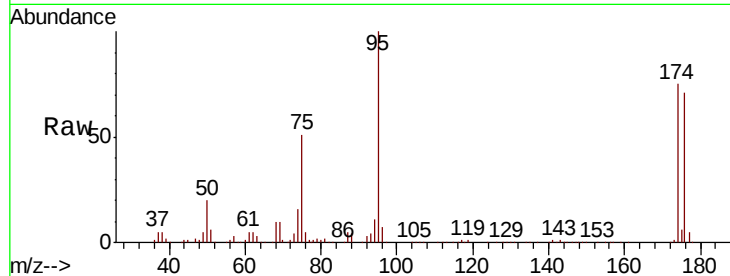
Tot Ion: 95 Resp: 130934

Ion Ratio Lower Upper

95 100

174 80.2 0.0 151.8

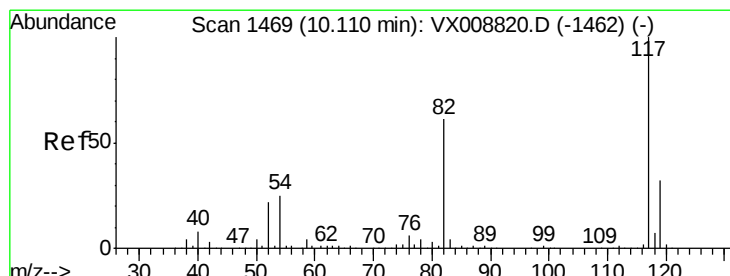
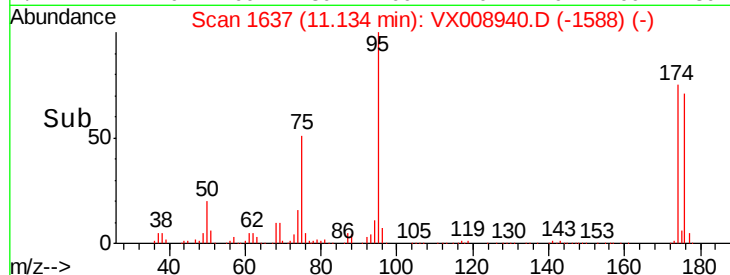
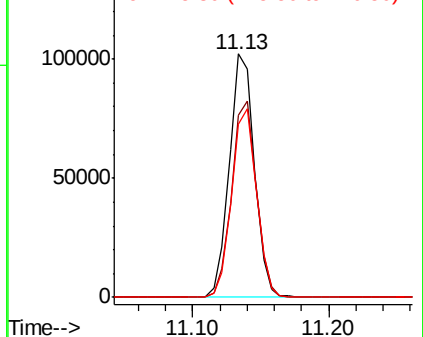
176 77.4 0.0 145.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008940.D

Acq: 13 Apr 2019 18:29

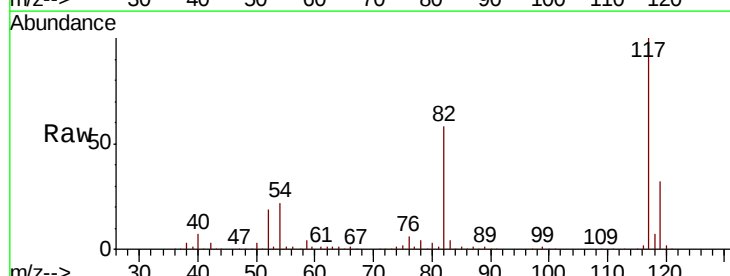
Tgt Ion: 117 Resp: 275101

Ion Ratio Lower Upper

117 100

82 57.9 49.6 74.4

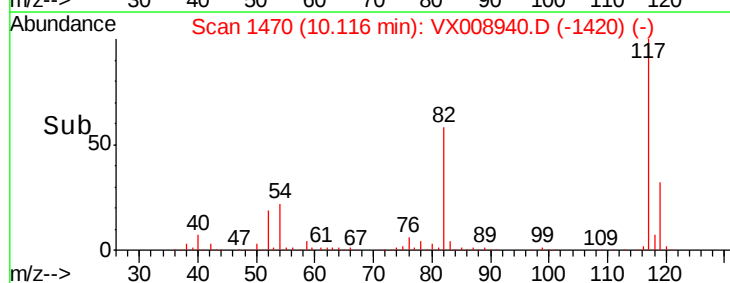
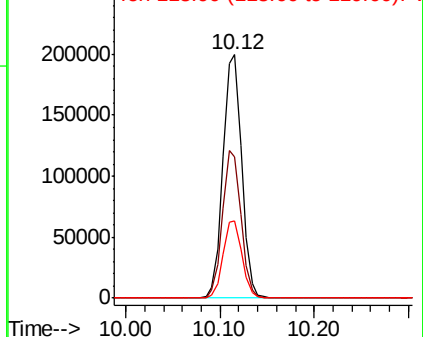
119 31.7 25.0 37.4

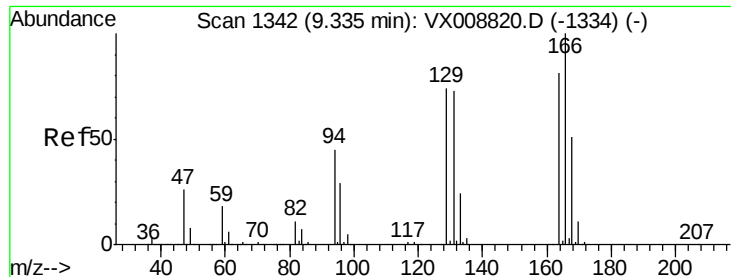


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 20.361 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008940.D

Acq: 13 Apr 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 41500

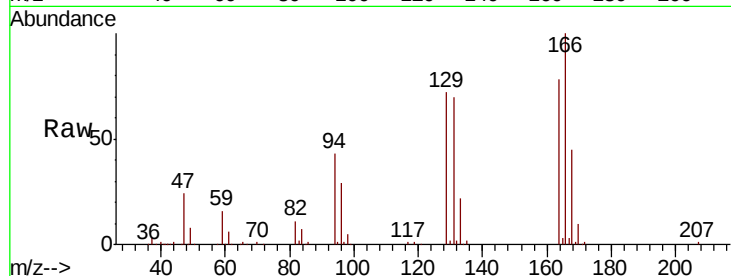
Ion Ratio Lower Upper

164 100

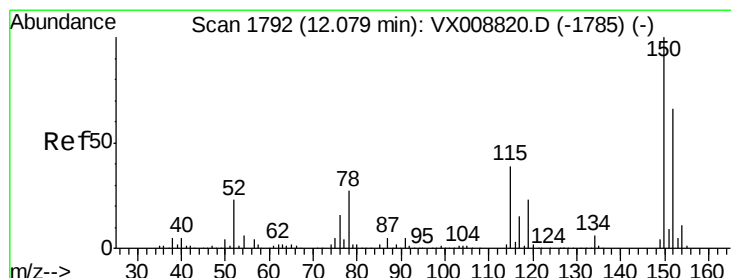
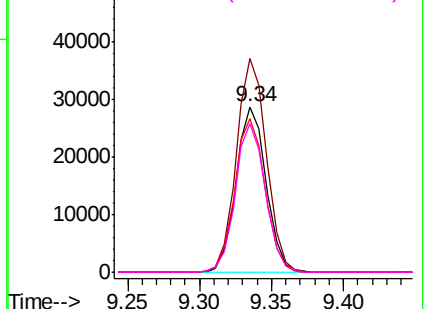
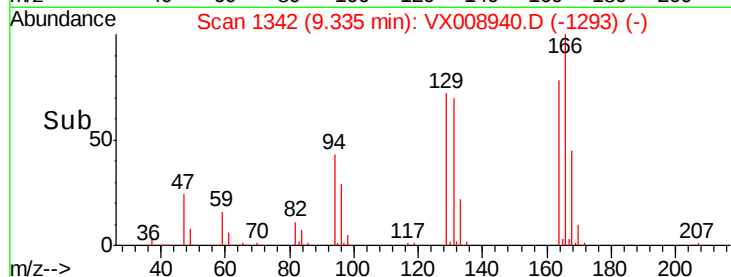
166 128.9 101.0 151.6

129 92.3 75.8 113.8

131 89.7 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: VX008940.D

Acq: 13 Apr 2019 18:29

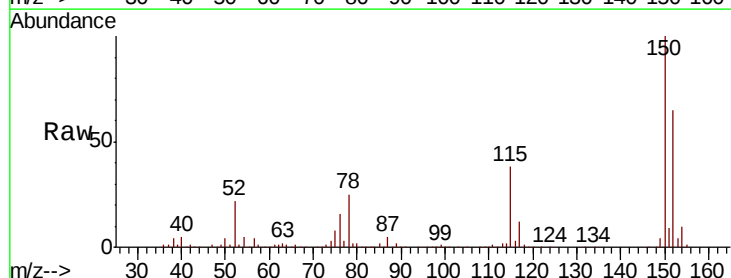
Tgt Ion:152 Resp: 116927

Ion Ratio Lower Upper

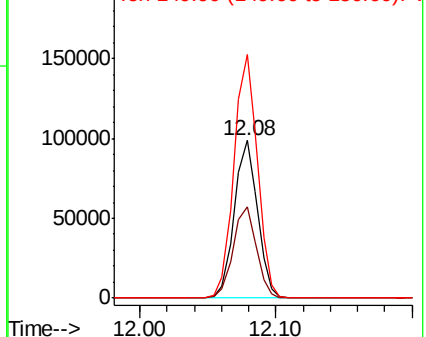
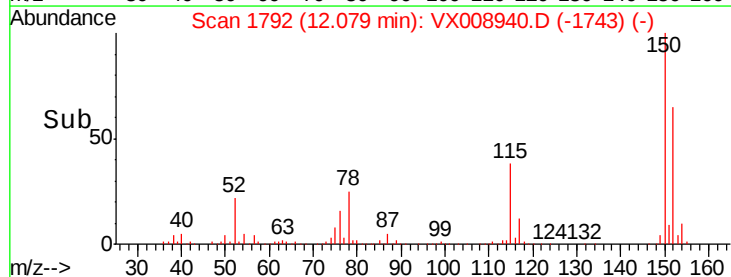
152 100

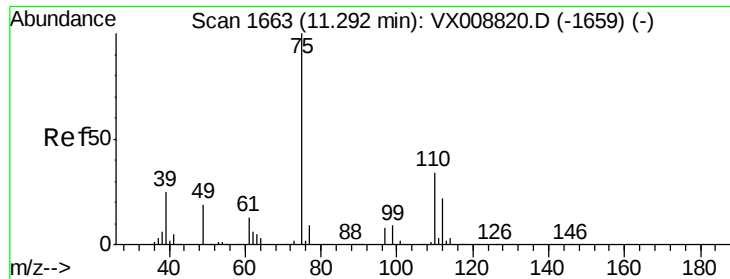
115 58.5 43.5 130.5

150 156.9 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

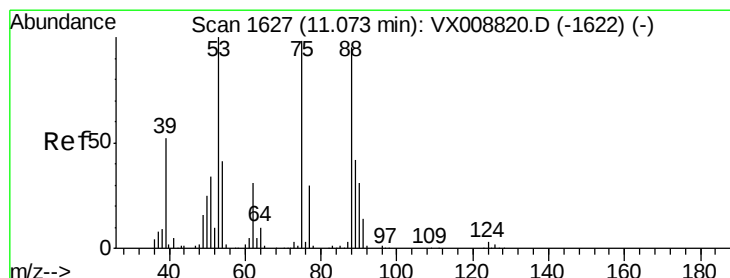
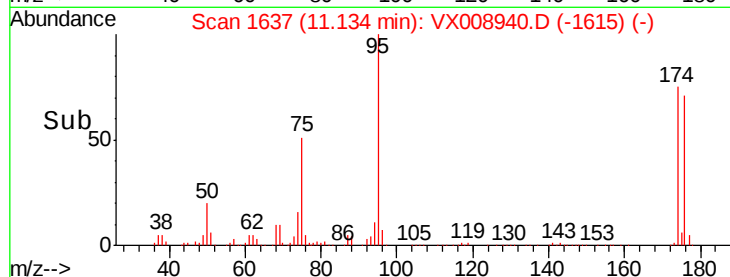
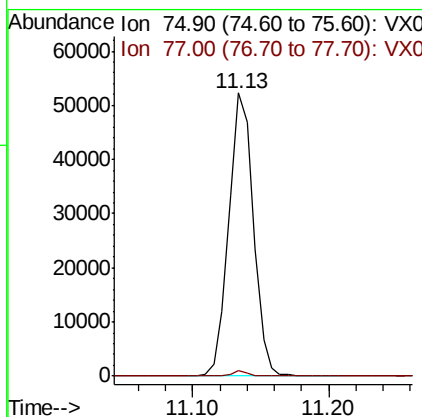
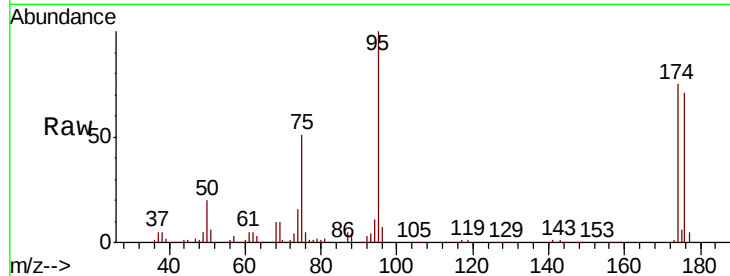




#76
 1,2,3-Trichloropropane
 Concen: 20.518 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008940.D
 Acq: 13 Apr 2019 18:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 65906
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.559 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008940.D
 Acq: 13 Apr 2019 18:29

Tgt Ion: 75 Resp: 65906
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

