

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010509.D
 Acq On : 28 Jun 2019 01:03
 Operator : JC/SP
 Sample : PB120955TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

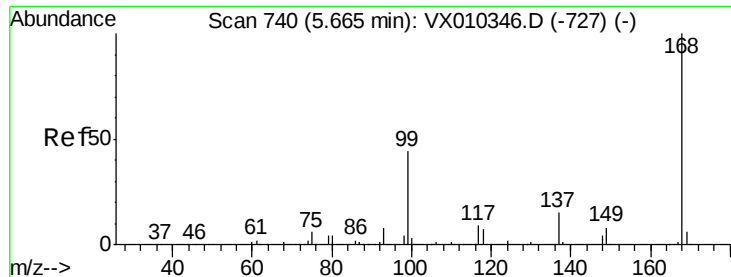
Quant Time: Jun 28 06:55:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	379139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173733	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	125509	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	5.50	113	124080	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	491561	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.13	95	162157	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	412	0.354	ug/l #	58
6) Chloroethane	1.72	64	391	0.278	ug/l #	86
10) Methyl Iodide	2.51	142	763	0.233	ug/l #	65
13) Acrolein	2.29	56	278	0.634	ug/l #	14
16) Acetone	2.44	43	6090	4.813	ug/l	90
18) Methyl Acetate	2.77	43	1194	0.473	ug/l #	88
20) Methylene Chloride	2.85	84	5490	2.108	ug/l	95
25) 2-Butanone	4.67	43	701	0.378	ug/l #	67
29) Tetrahydrofuran	5.16	42	1067	0.928	ug/l #	73
36) 1,1-Dichloropropene	5.67	75	16263	4.979	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23884	6.753	ug/l #	15
43) Isopropyl Acetate	6.45	43	12599	2.266	ug/l	95
48) Methyl methacrylate	7.68	41	6320	2.446	ug/l #	10
49) 1,4-Dioxane	7.72	88	41	0.551	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	90386	25.420	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	50000	12.146	ug/l #	61
57) 1,3-Dichloropropane	9.54	76	11872	2.767	ug/l #	44
59) 2-Hexanone	9.44	43	11433	4.086	ug/l #	22
74) N-amyl acetate	10.69	43	15015	3.374	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	77958	24.625	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.51	105	8499	0.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	77958	57.446	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

Instrument :

MSVOA_X

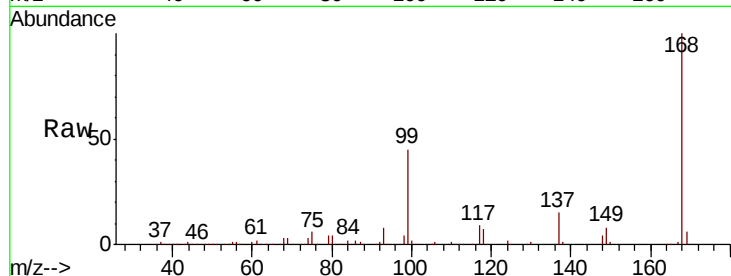
ClientSampled :

Tot Ion:168 Resp: 269260

Ion Ratio Lower Upper

168 100

99 45.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX010346.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX010346.D (-727) (-)

5.67

100000

80000

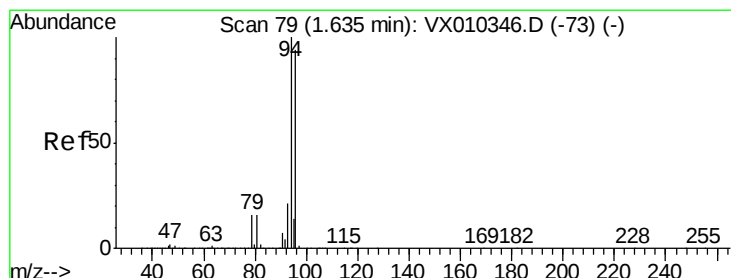
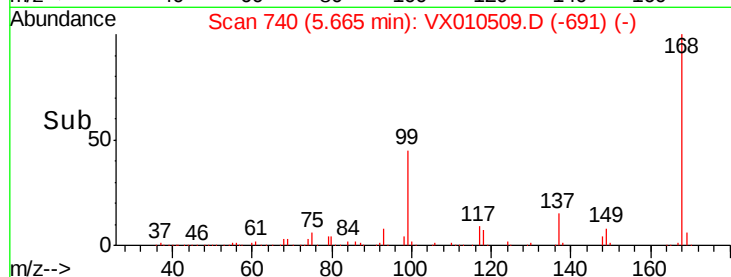
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.354 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010509.D

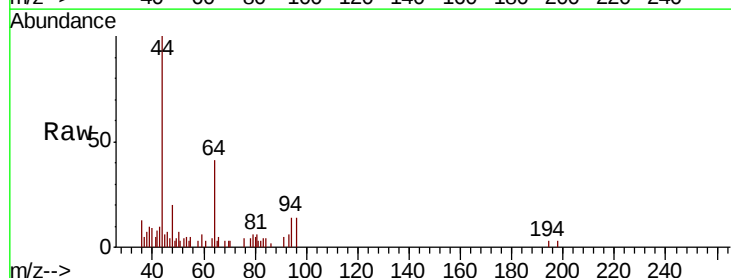
Acq: 28 Jun 2019 01:03

Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 135.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX010346.D (-73) (-)

Ion 95.90 (95.60 to 96.60): VX010346.D (-73) (-)

1.65

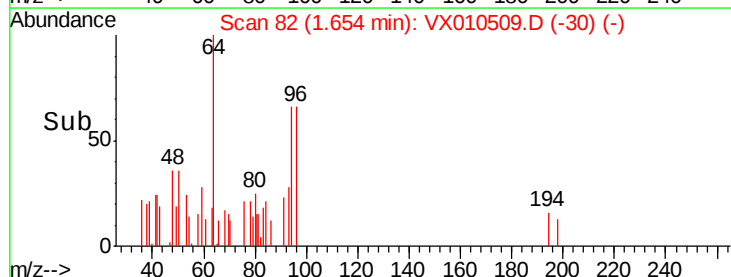
300

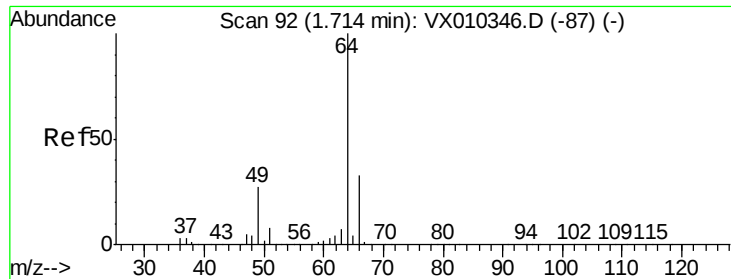
200

100

0

Time-->





#6

Chloroethane

Concen: 0.278 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

Instrument :

MSVOA_X

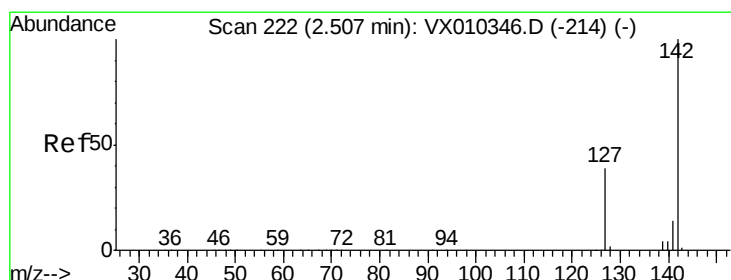
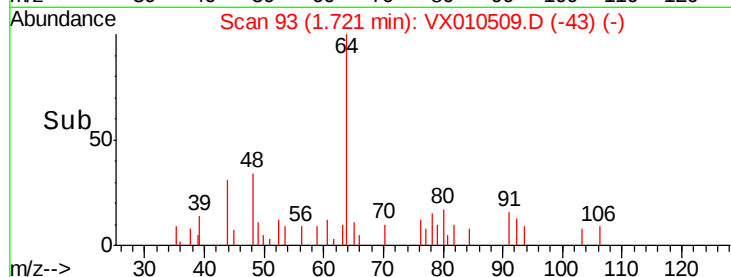
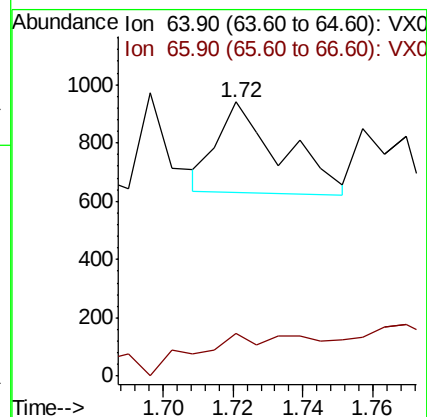
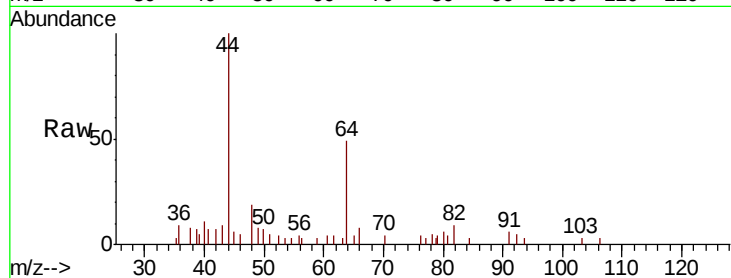
ClientSampled :

Tot Ion: 64 Resp: 391

Ion Ratio Lower Upper

64 100

66 25.3 26.6 40.0#



#10

Methyl Iodide

Concen: 0.233 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

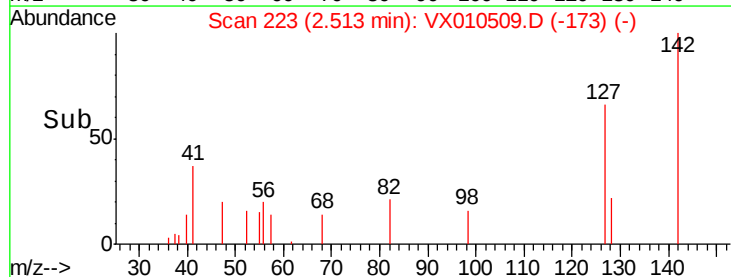
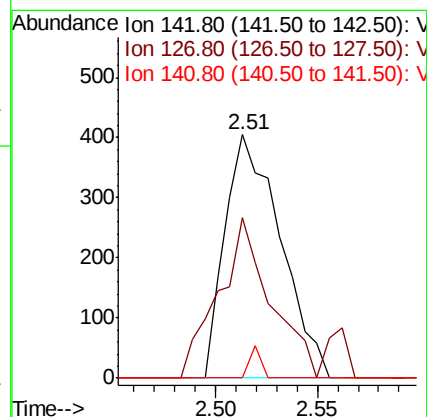
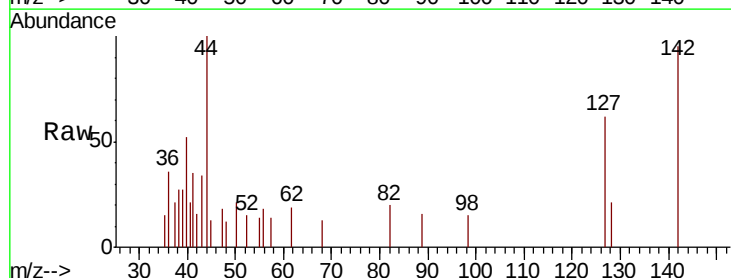
Tgt Ion: 142 Resp: 763

Ion Ratio Lower Upper

142 100

127 62.1 31.1 46.7#

141 2.6 11.2 16.8#





#13

Acrolein

Concen: 0.634 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

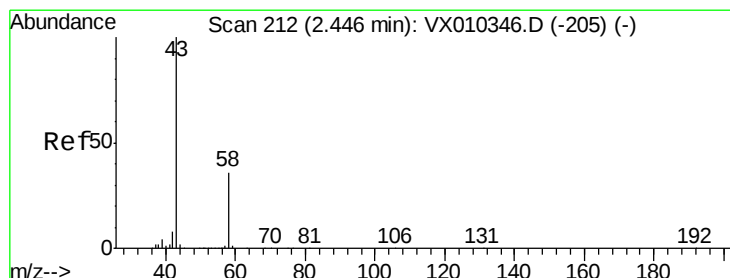
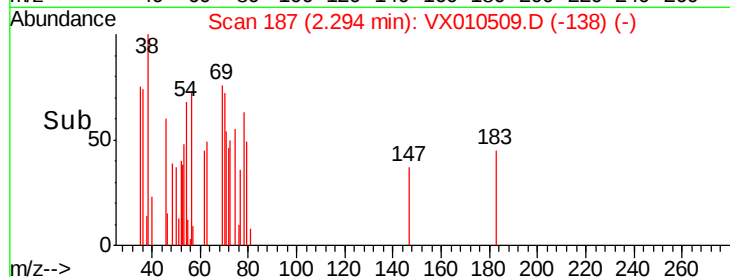
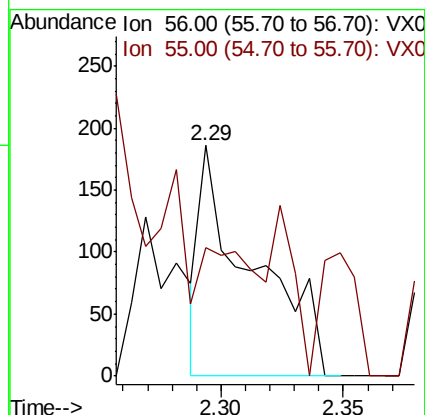
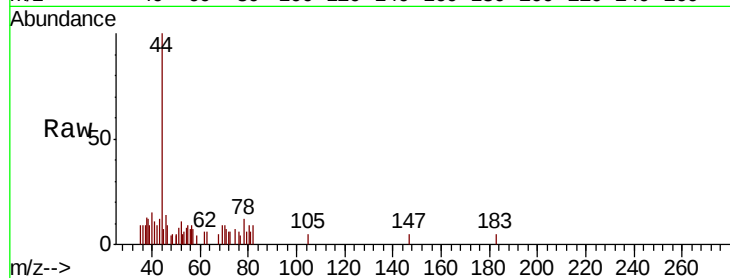
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 278

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 4.813 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010509.D

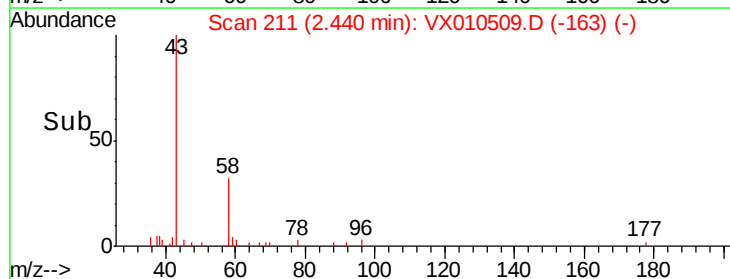
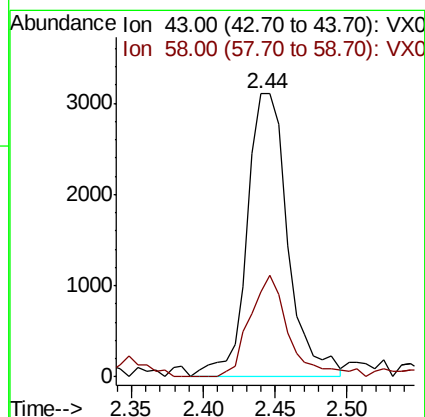
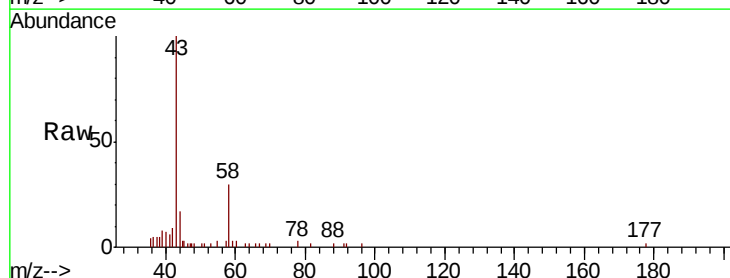
Acq: 28 Jun 2019 01:03

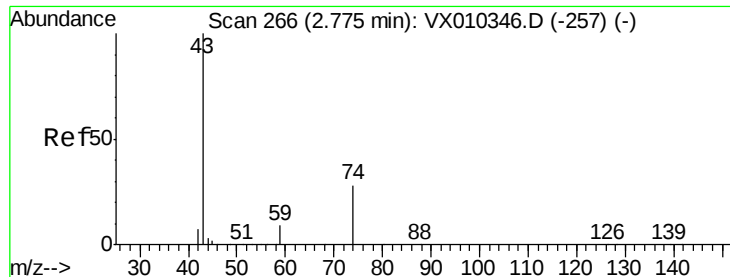
Tgt Ion: 43 Resp: 6090

Ion Ratio Lower Upper

43 100

58 30.1 28.9 43.3

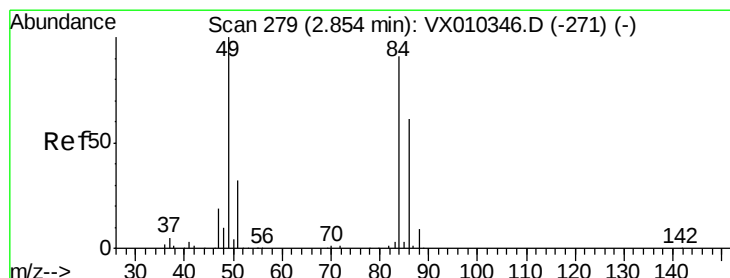
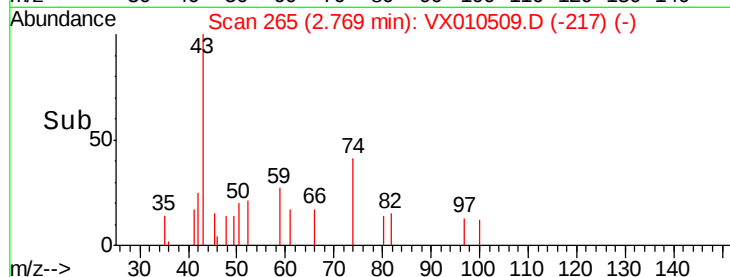
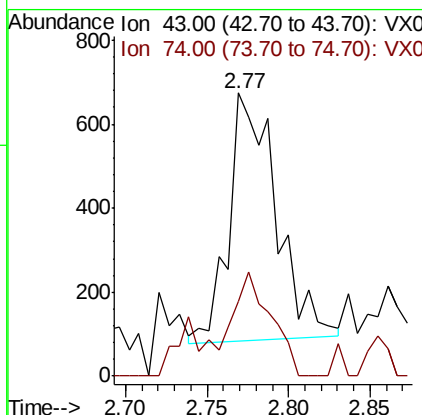
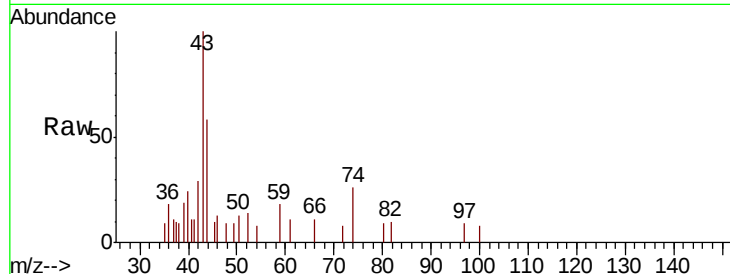




#18
Methyl Acetate
Concen: 0.473 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

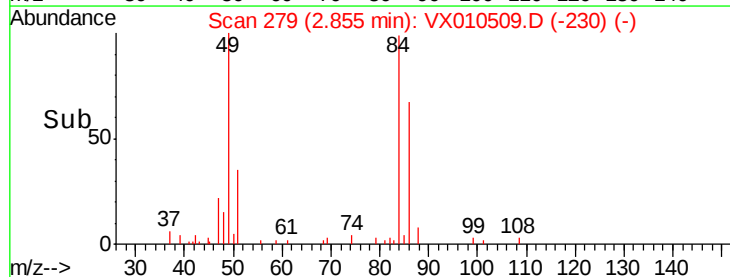
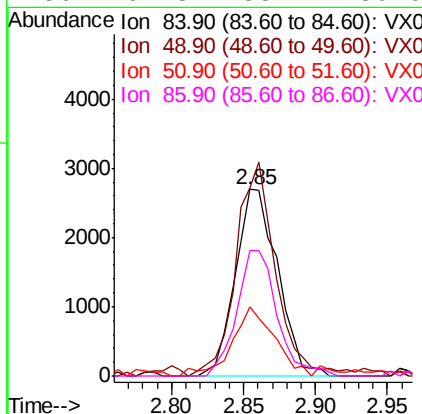
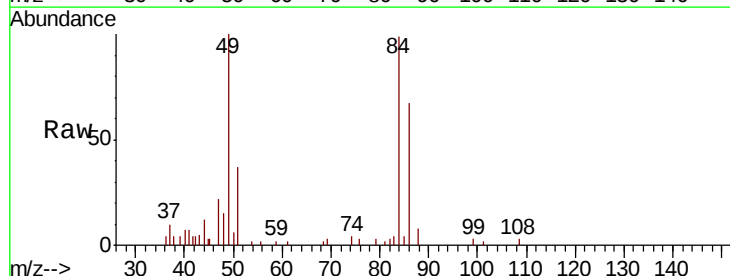
Instrument :
MSVOA_X
ClientSampled :

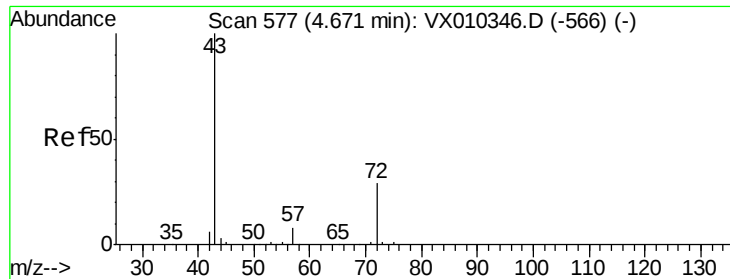
Tot Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
74 32.9 21.3 31.9#



#20
Methylene Chloride
Concen: 2.108 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Tgt Ion: 84 Resp: 5490
Ion Ratio Lower Upper
84 100
49 101.0 87.5 131.3
51 35.3 27.7 41.5
86 67.3 53.4 80.0





#25

2-Butanone

Concen: 0.378 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

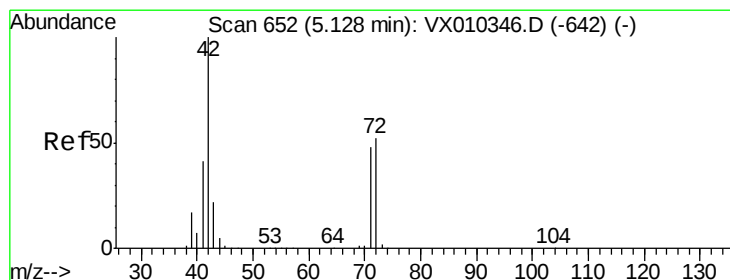
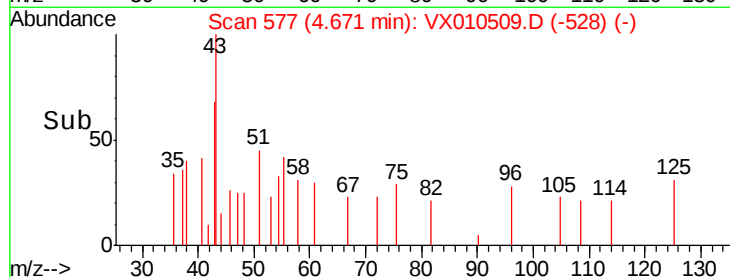
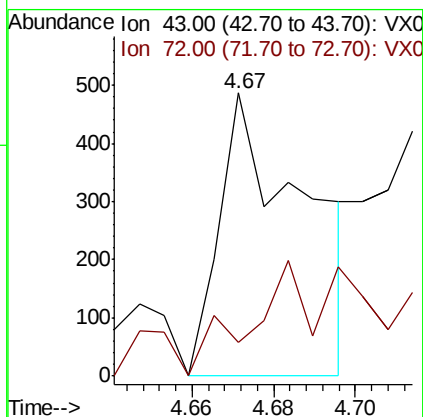
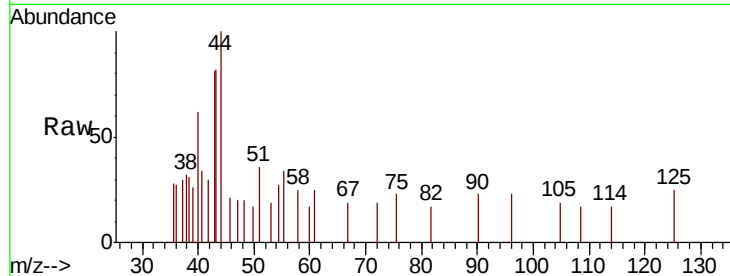
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 701

Ion Ratio Lower Upper

43 100

72 11.7 23.3 34.9#



#29

Tetrahydrofuran

Concen: 0.928 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

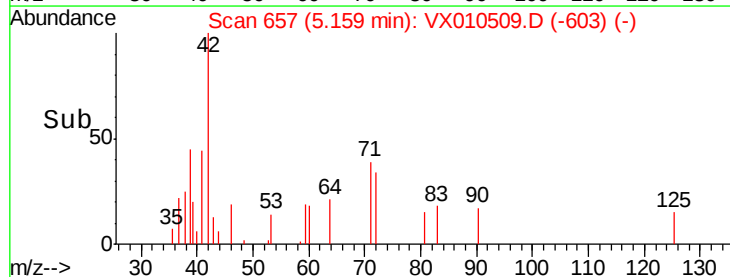
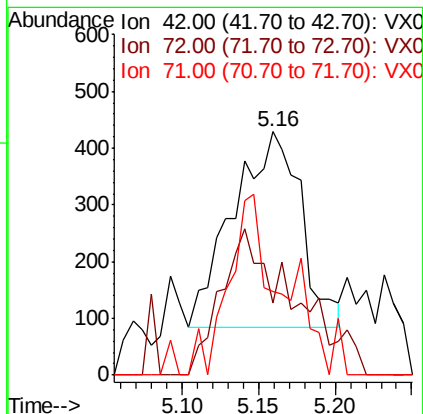
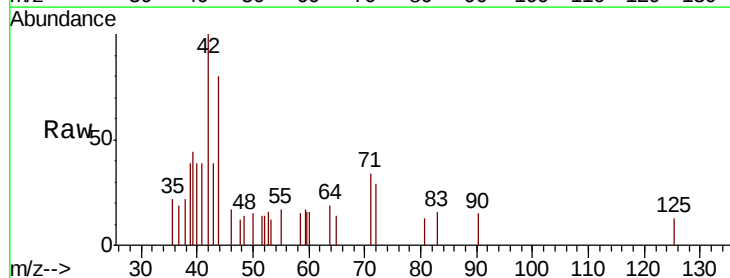
Tgt Ion: 42 Resp: 1067

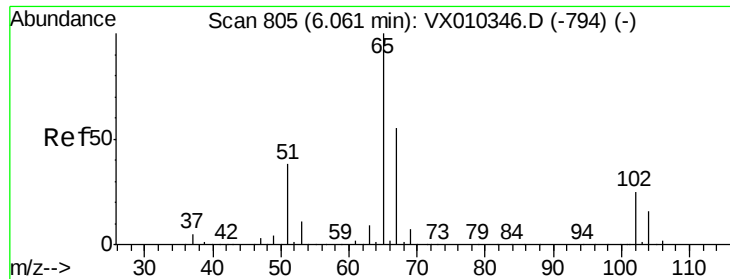
Ion Ratio Lower Upper

42 100

72 80.3 40.6 60.8#

71 54.4 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 49.715 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

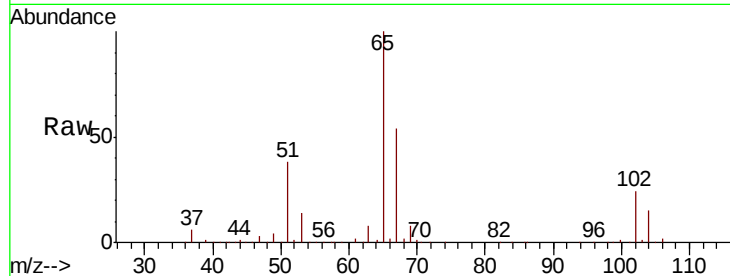
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 65 Resp: 125509

Ion Ratio Lower Upper

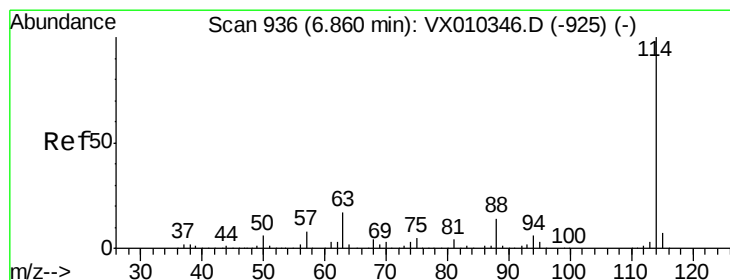
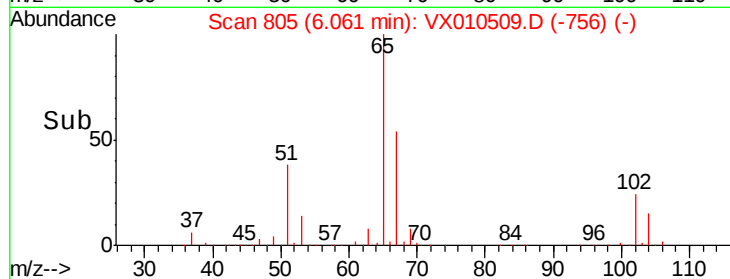
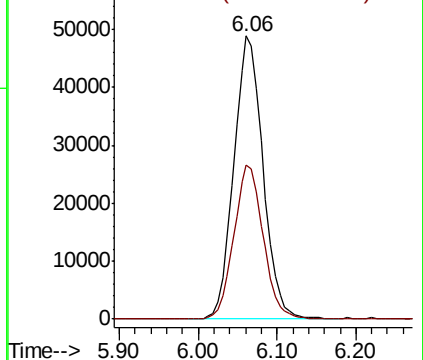
65 100

67 54.9 0.0 110.2



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: VX010509.D

Acq: 28 Jun 2019 01:03

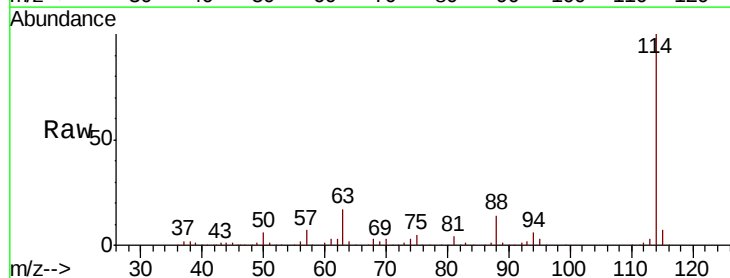
Tgt Ion:114 Resp: 411037

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.8

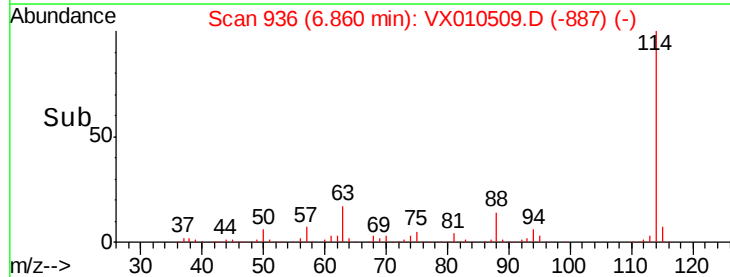
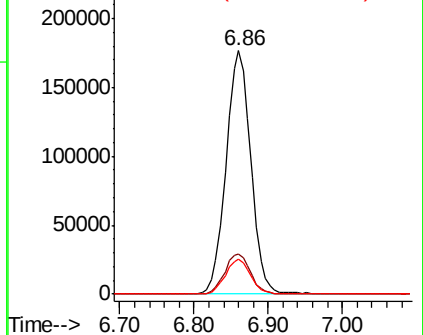
88 14.1 0.0 27.6

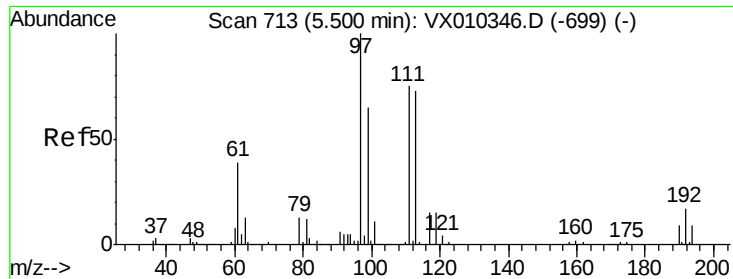


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.338 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

Instrument :

MSVOA_X

ClientSampled :

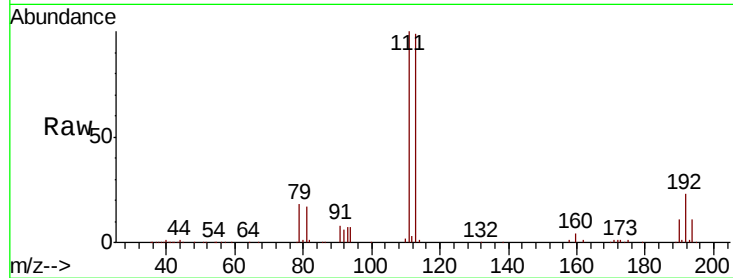
Tot Ion:113 Resp: 124080

Ion Ratio Lower Upper

113 100

111 101.0 81.2 121.8

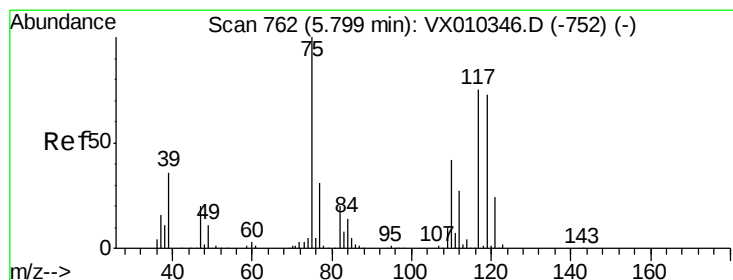
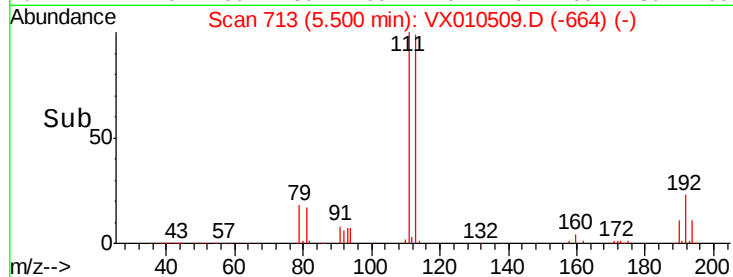
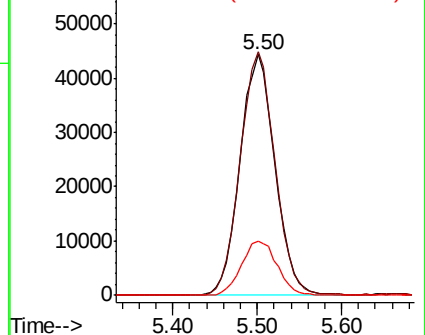
192 23.1 18.6 27.8



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: 4.979 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

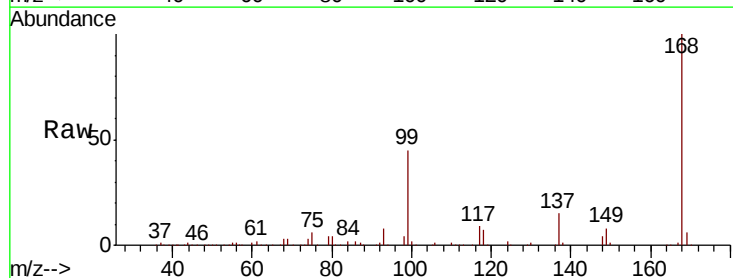
Tgt Ion: 75 Resp: 16263

Ion Ratio Lower Upper

75 100

110 11.5 20.8 62.2#

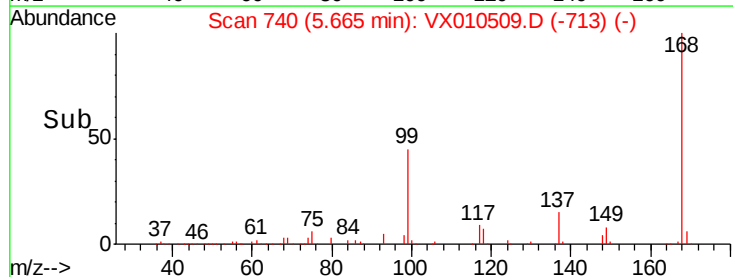
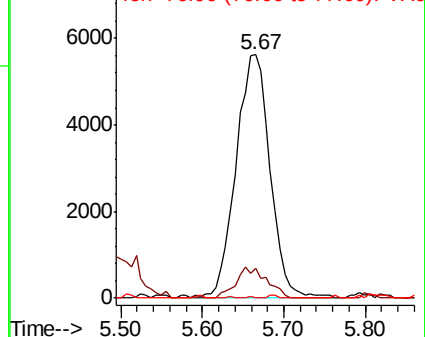
77 0.1 25.4 38.0#

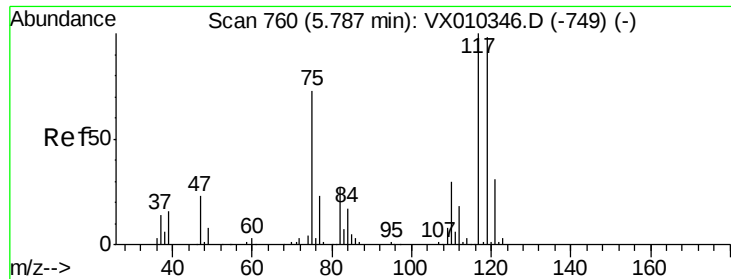


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

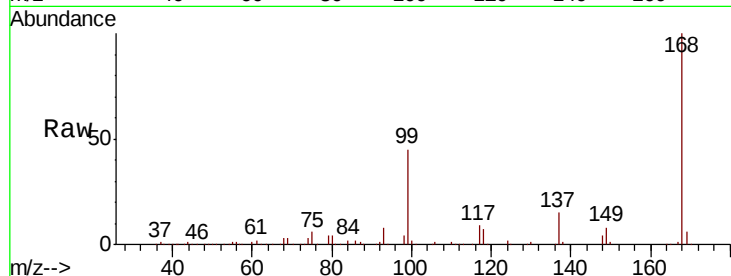




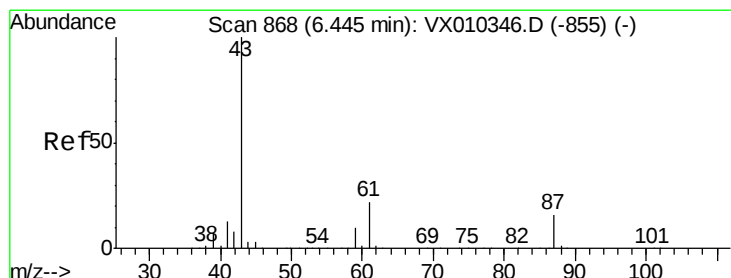
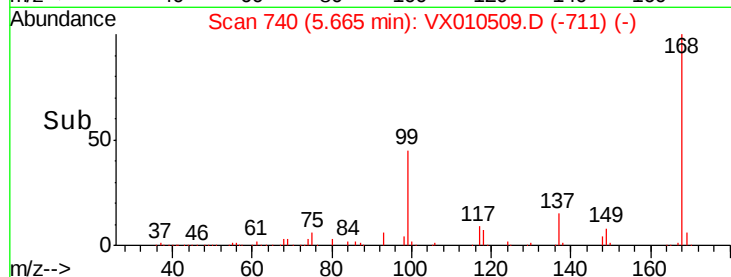
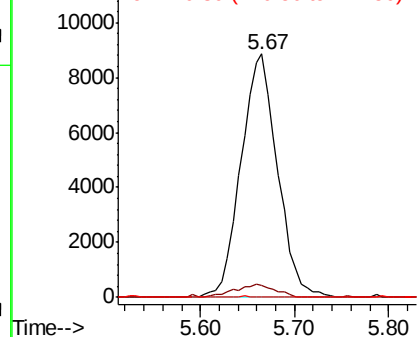
#38
Carbon Tetrachloride
Concen: 6.753 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 23884
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.4#
121 0.0 24.7 37.1#

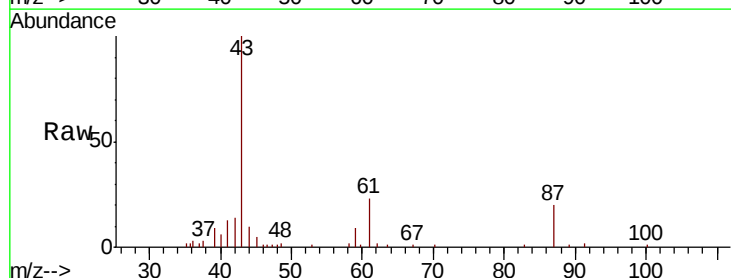


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

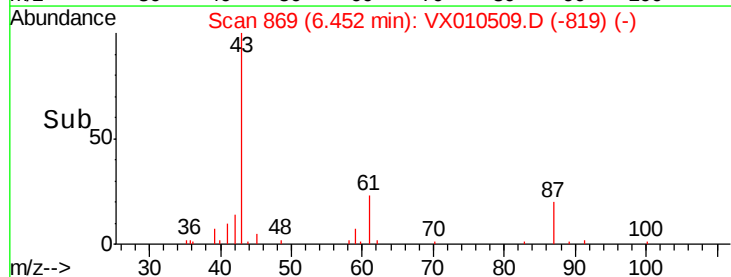
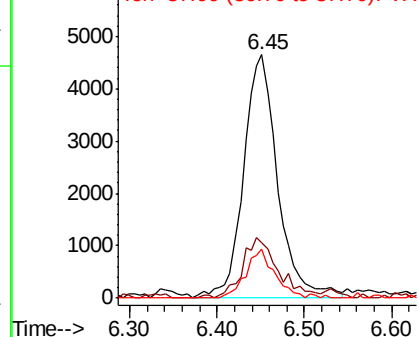


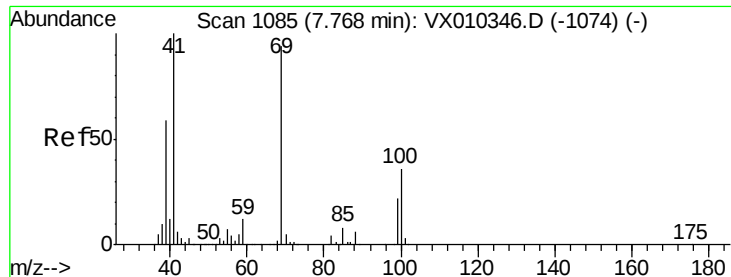
#43
Isopropyl Acetate
Concen: 2.266 ug/l
RT: 6.45 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Tgt Ion: 43 Resp: 12599
Ion Ratio Lower Upper
43 100
61 26.0 17.8 26.6
87 16.7 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

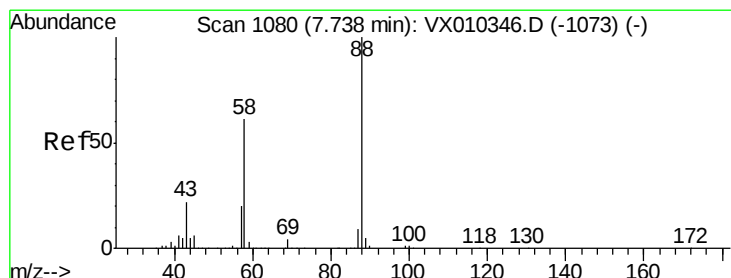
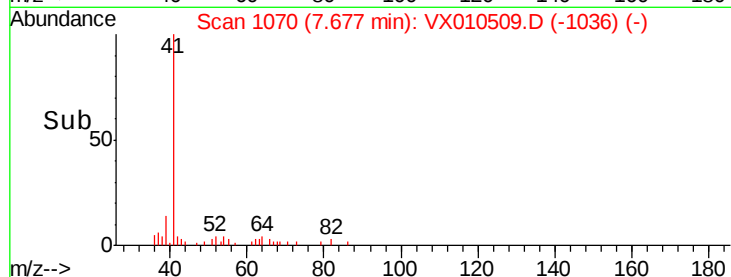
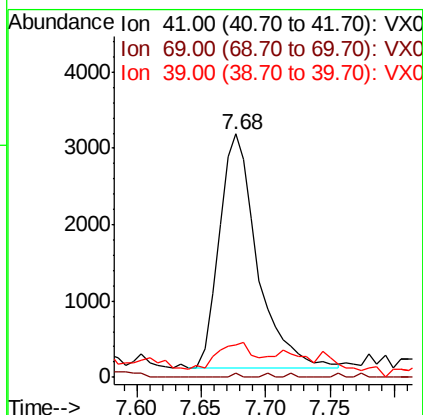
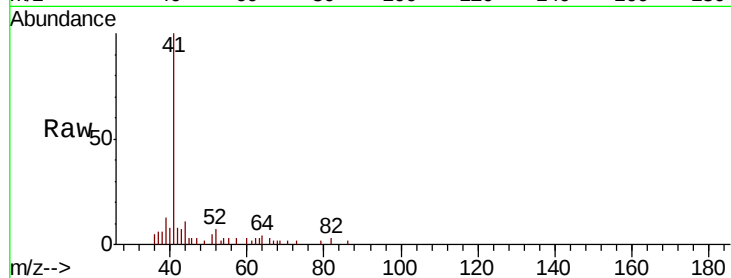




#48
Methvl methacrylate
Concen: 2.446 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

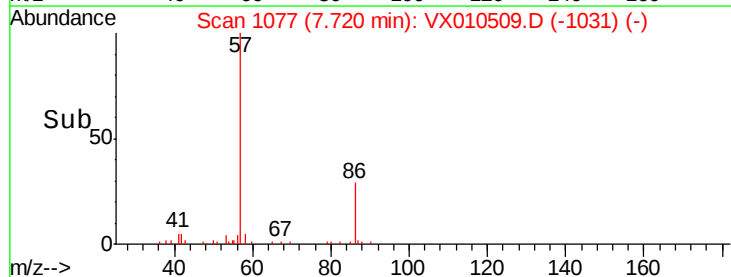
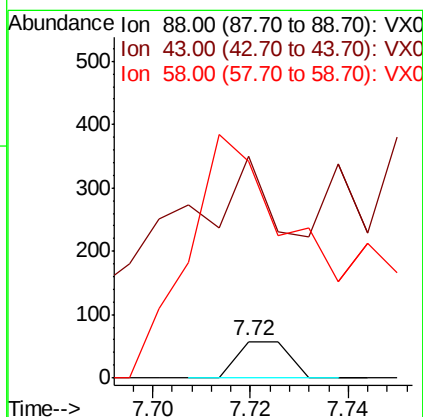
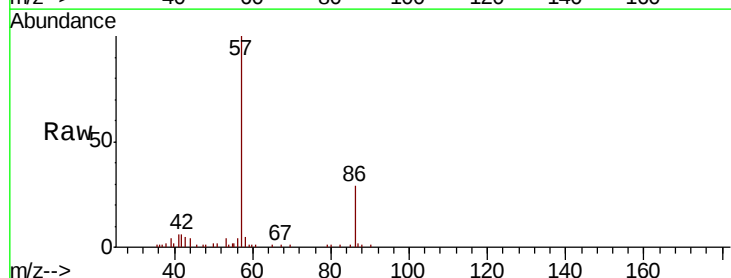
Instrument :
MSVOA_X
ClientSampleId :

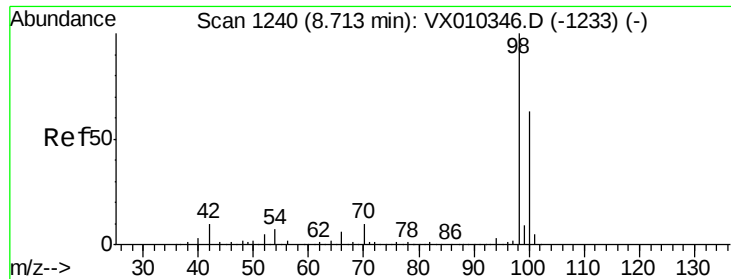
Tot Ion: 41 Resp: 6320
Ion Ratio Lower Upper
41 100
69 0.4 76.1 114.1#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: 0.551 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 1453.7 49.5 74.3#

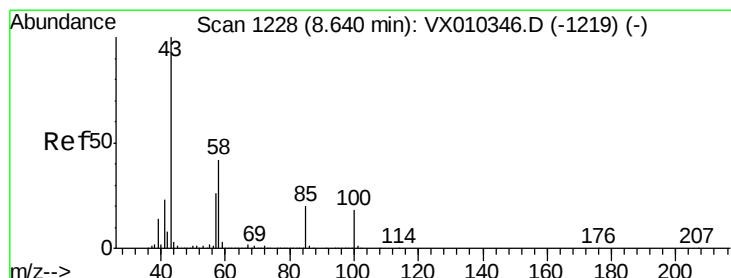
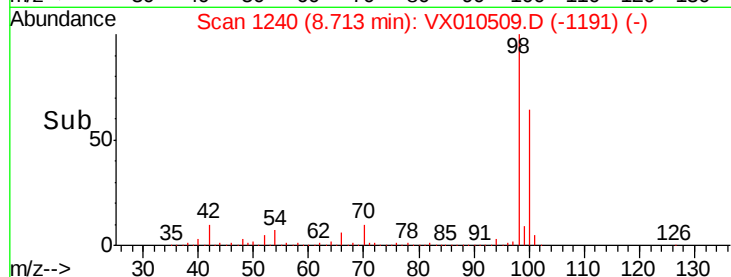
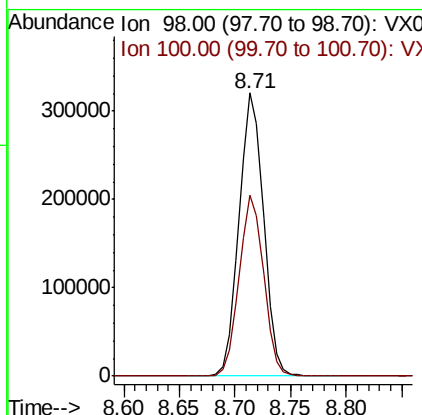
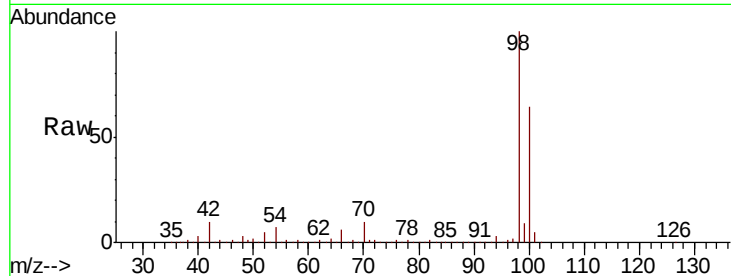




#50
Toluene-d8
Concen: 51.090 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

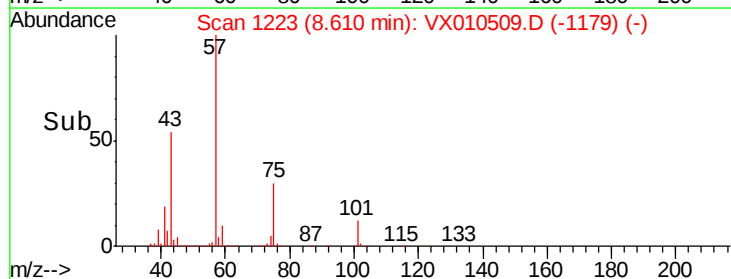
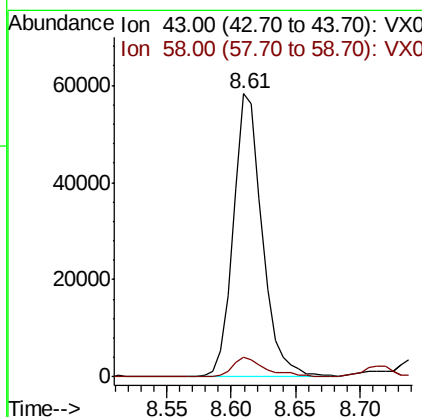
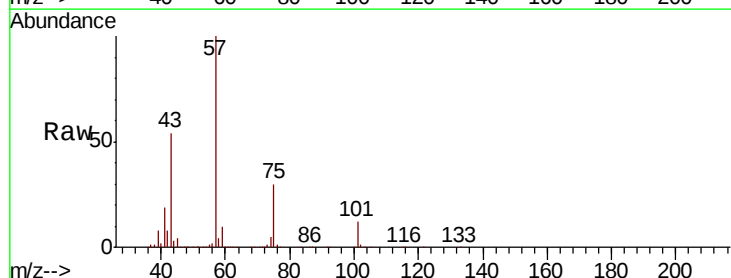
Instrument :
MSVOA_X
ClientSampleId :

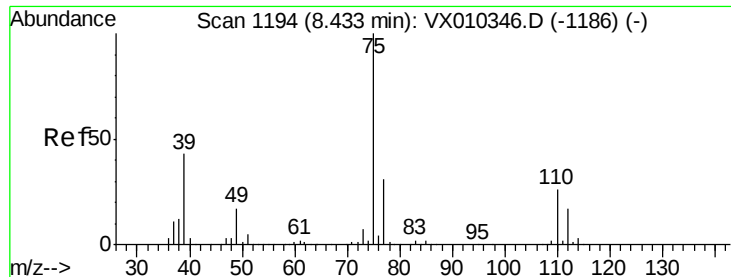
Tot Ion: 98 Resp: 491561
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 25.420 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Tgt Ion: 43 Resp: 90386
Ion Ratio Lower Upper
43 100
58 8.0 33.5 50.3#



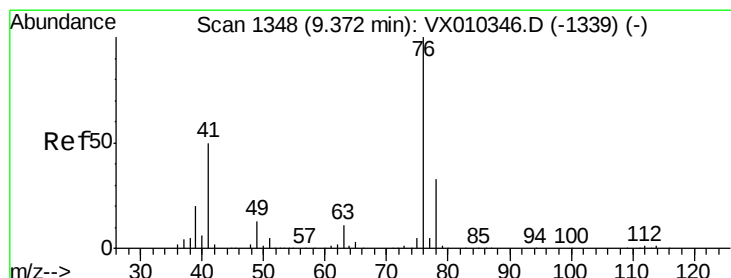
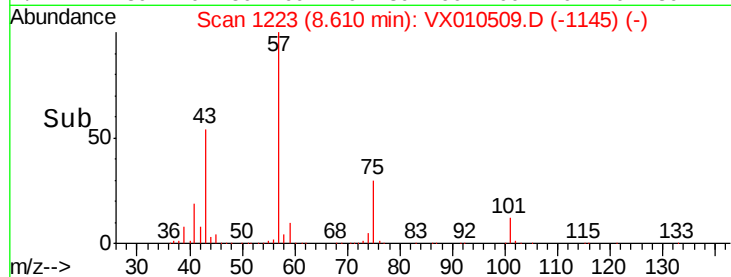
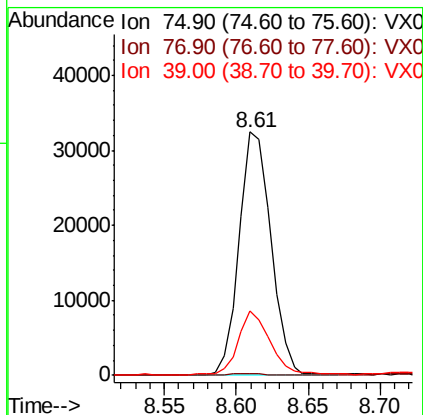
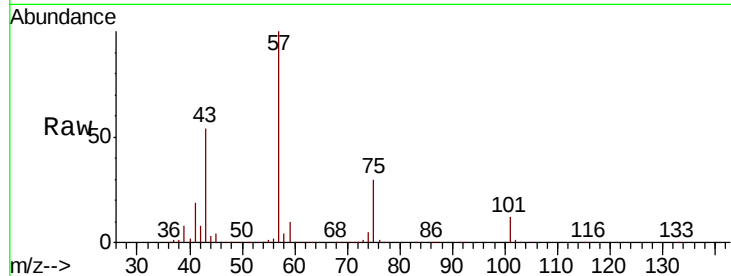


#54

cis-1,3-Dichloropropene
 Concen: 12.146 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX010509.D
 Acq: 28 Jun 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :

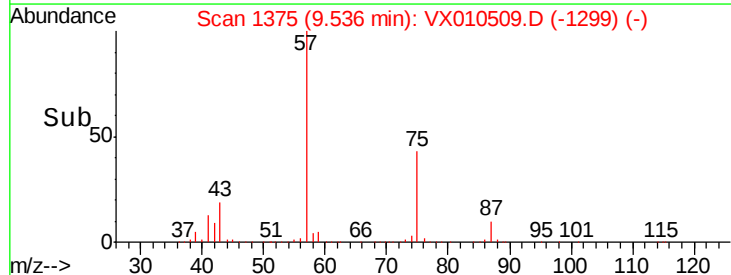
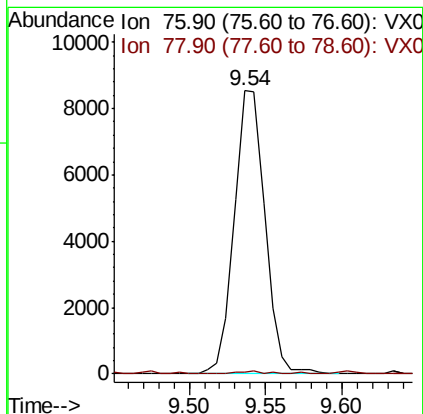
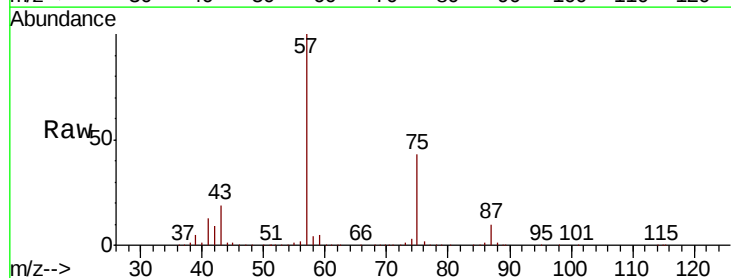
Tot Ion: 75 Resp: 50000
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 26.1 34.5 51.7#

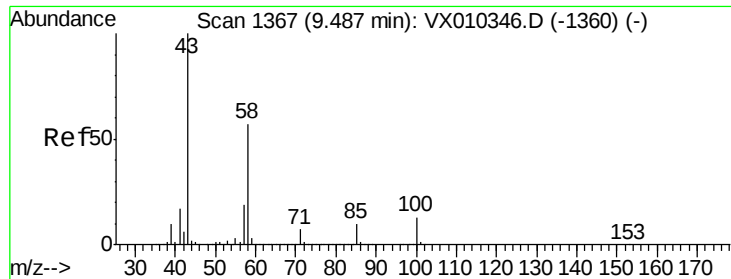


#57

1,3-Dichloropropane
 Concen: 2.767 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.16 min
 Lab File: VX010509.D
 Acq: 28 Jun 2019 01:03

Tgt Ion: 76 Resp: 11872
 Ion Ratio Lower Upper
 76 100
 78 0.8 26.1 39.1#

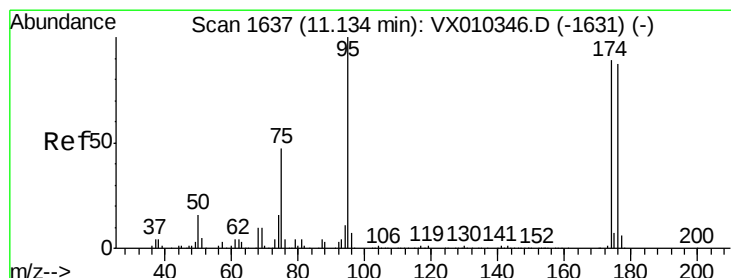
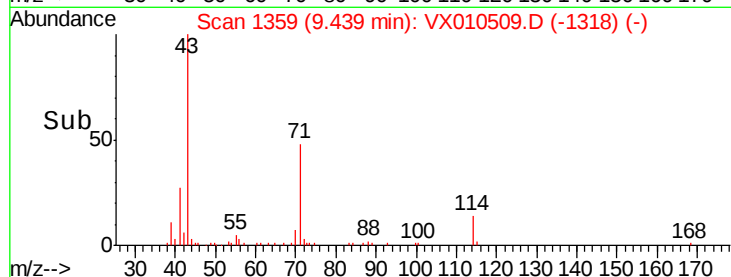
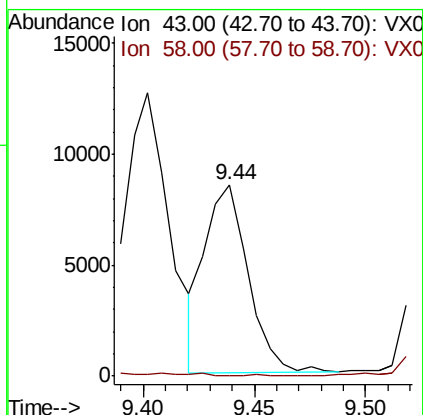
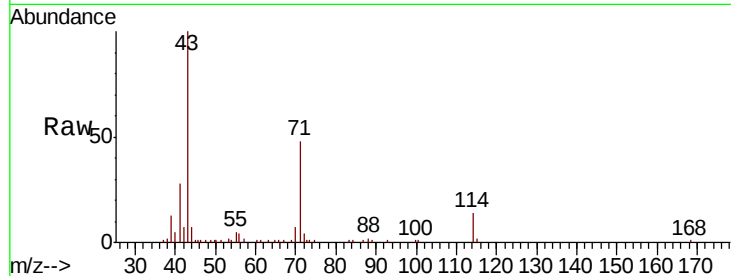




#59
2-Hexanone
Concen: 4.086 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

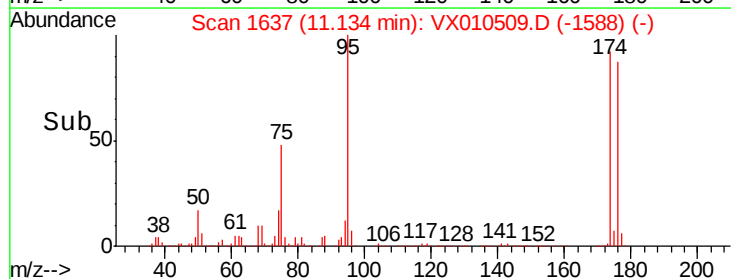
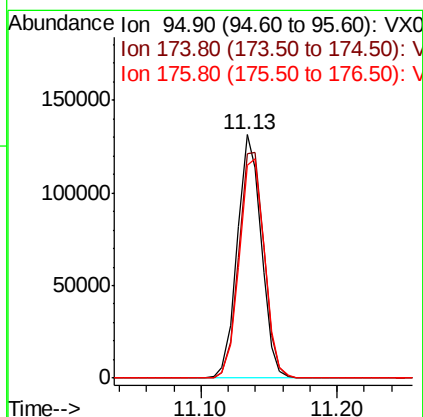
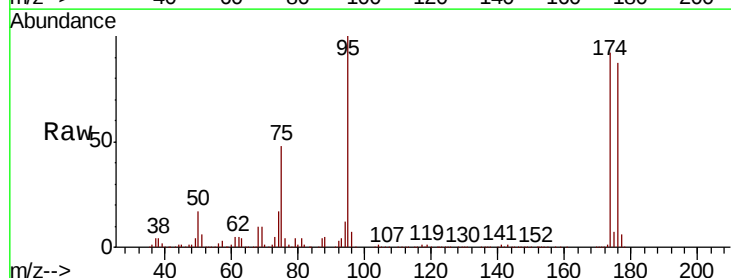
Instrument :
MSVOA_X
ClientSampleId :

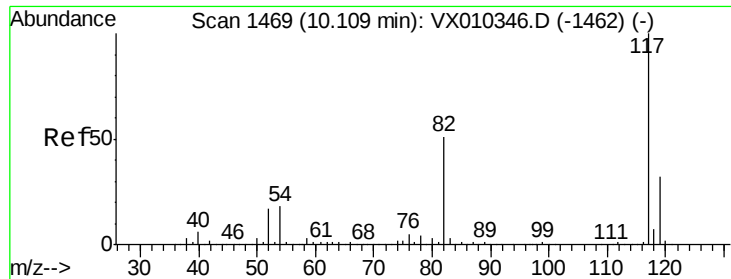
Tot Ion: 43 Resp: 11433
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.683 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Tgt Ion: 95 Resp: 162157
Ion Ratio Lower Upper
95 100
174 97.9 0.0 187.6
176 94.5 0.0 184.0

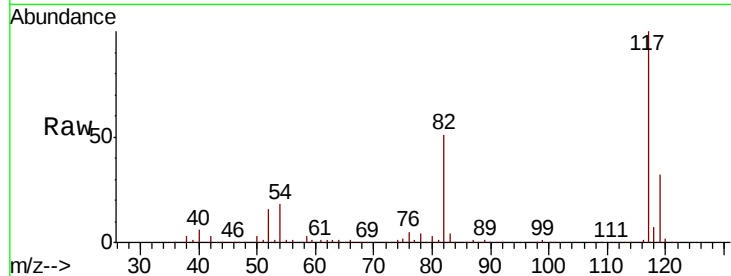




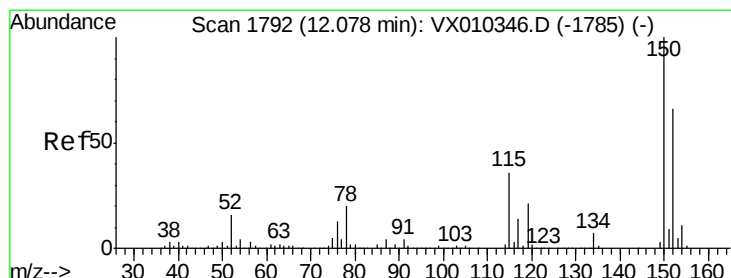
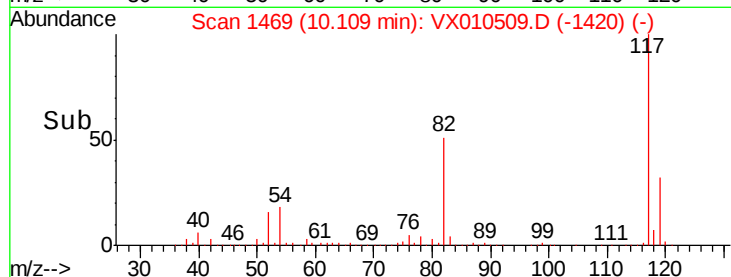
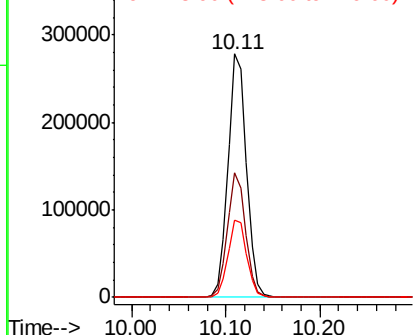
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 379139
Ion Ratio Lower Upper
117 100
82 51.2 41.2 61.8
119 31.8 25.5 38.3

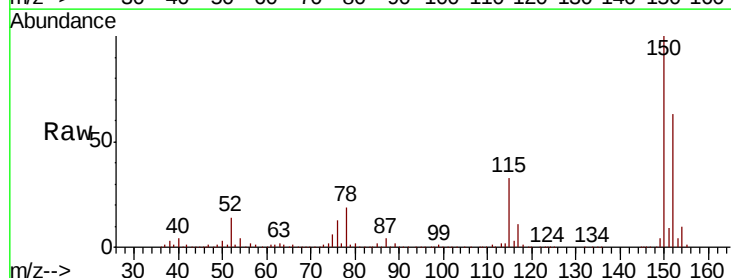


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

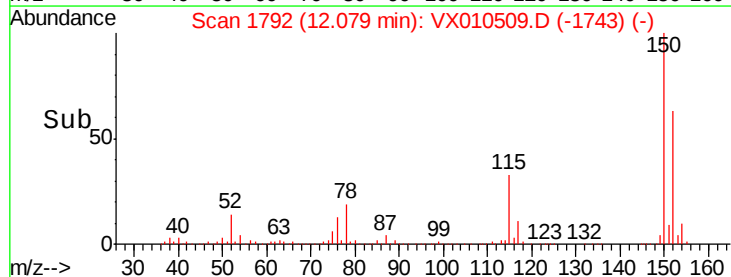
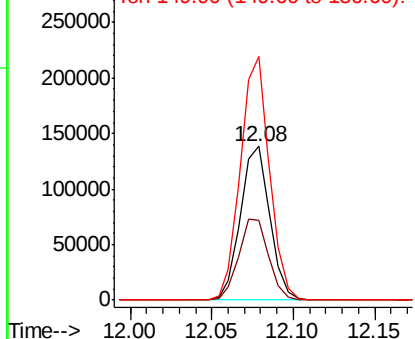


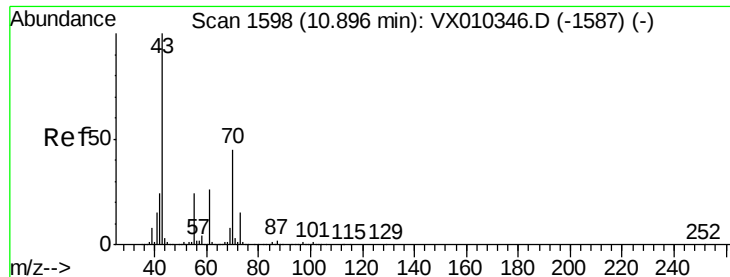
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Tgt Ion:152 Resp: 173733
Ion Ratio Lower Upper
152 100
115 54.1 38.6 115.7
150 156.7 0.0 347.4



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





#74

N-amvl acetate

Concen: 3.374 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 15015

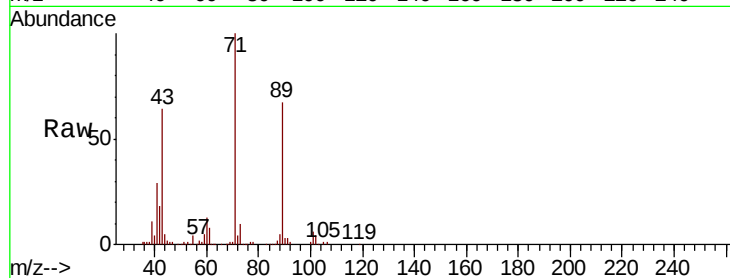
Ion Ratio Lower Upper

43 100

70 2.7 36.6 54.8#

55 7.2 18.7 28.1#

61 12.2 20.6 31.0#

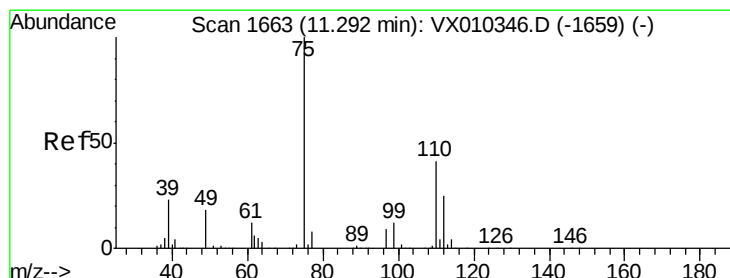
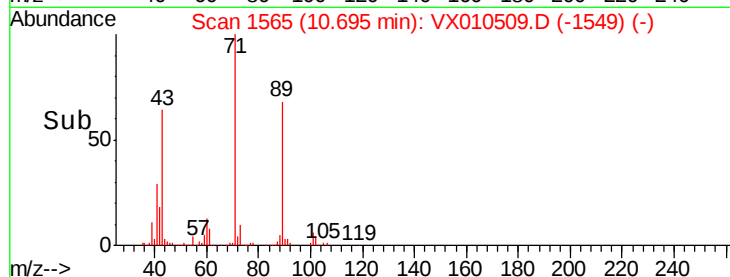
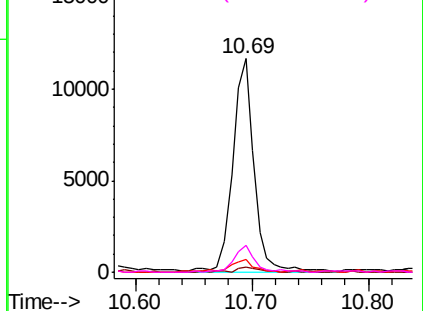


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010509.D

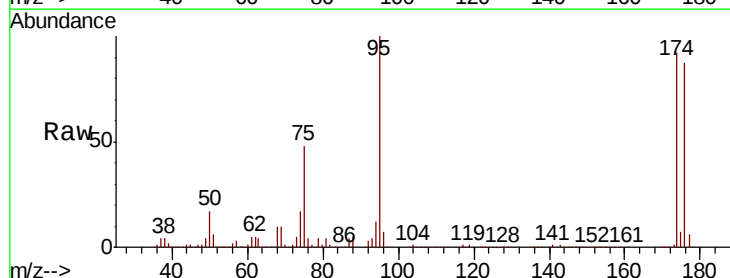
Acq: 28 Jun 2019 01:03

Tgt Ion: 75 Resp: 77958

Ion Ratio Lower Upper

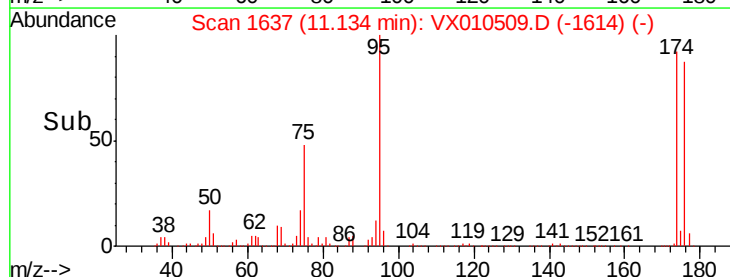
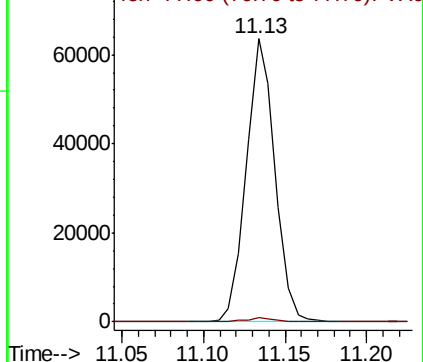
75 100

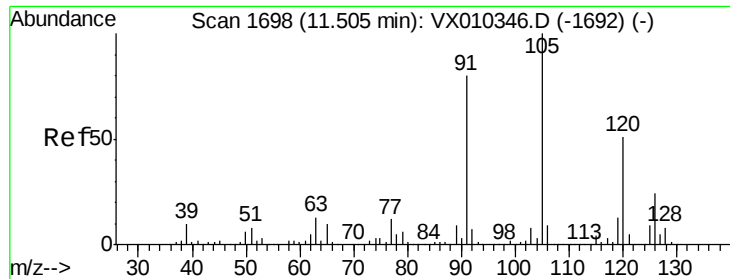
77 1.7 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

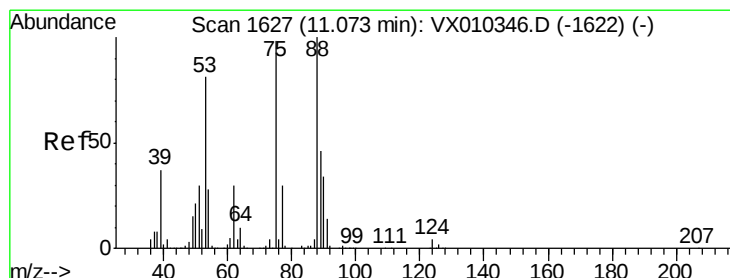
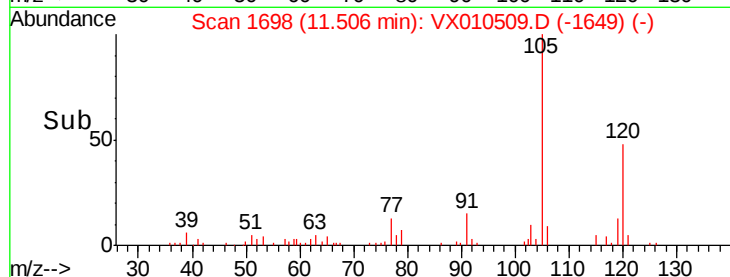
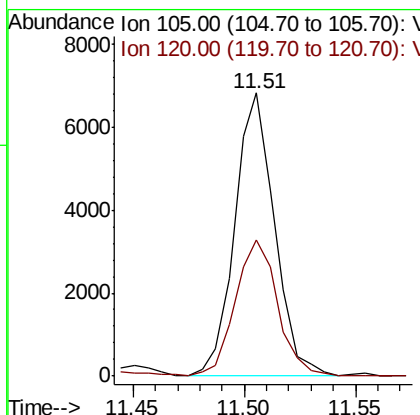
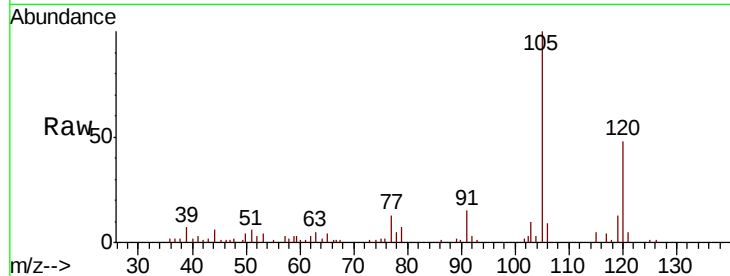




#80
 1,3,5-Trimethylbenzene
 Concen: 0.875 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010509.D
 Acq: 28 Jun 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 8499
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.446 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010509.D
 Acq: 28 Jun 2019 01:03

Tgt Ion: 75 Resp: 77958
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.1 99.1#
 89 0.1 37.8 56.6#

