

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010522.D
 Acq On : 28 Jun 2019 06:07
 Operator : JC/SP
 Sample : K3532-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:58:23 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	268697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	407758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	375877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174772	50.00	ug/l	0.00

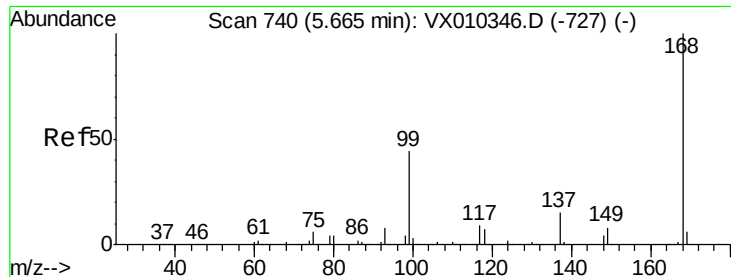
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	124760	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	5.50	113	121571	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	8.71	98	484873	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.13	95	161434	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.04	59	675	1.024	ug/l	99
13) Acrolein	2.29	56	566	1.294	ug/l #	14
16) Acetone	2.44	43	7198	5.701	ug/l	92
18) Methyl Acetate	2.78	43	2073	0.824	ug/l	93
20) Methylene Chloride	2.86	84	4232	1.629	ug/l	85
25) 2-Butanone	4.70	43	1459	0.788	ug/l #	27
29) Tetrahydrofuran	5.14	42	1129	0.984	ug/l #	76
36) 1,1-Dichloropropene	5.66	75	16619	5.129	ug/l #	38
38) Carbon Tetrachloride	5.67	117	23494	6.696	ug/l #	14
43) Isopropyl Acetate	6.45	43	9529	1.728	ug/l	94
48) Methyl methacrylate	7.68	41	6050	2.360	ug/l #	9
49) 1,4-Dioxane	7.74	88	22	0.298	ug/l #	28
51) 4-Methyl-2-Pentanone	8.62	43	78390	22.224	ug/l #	47
54) cis-1,3-Dichloropropene	8.62	75	43457	10.641	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	8273	1.944	ug/l #	46
59) 2-Hexanone	9.44	43	10479	3.775	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	77707	24.399	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	77707	56.921	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: VX010522.D

Acq: 28 Jun 2019 06:07

Instrument :

MSVOA_X

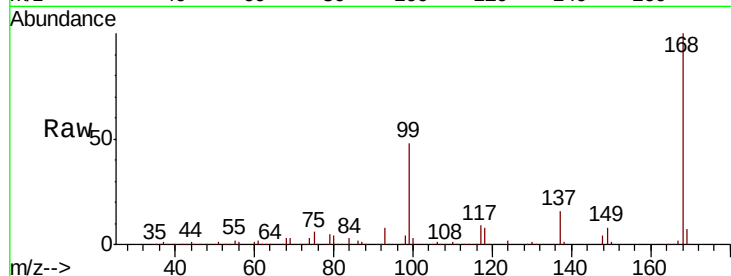
ClientSampleId :

Tot Ion:168 Resp: 268697

Ion Ratio Lower Upper

168 100

99 47.5 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

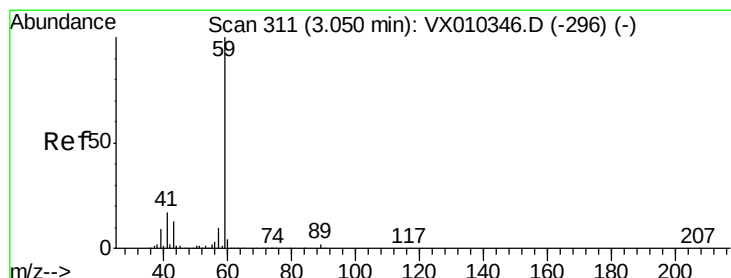
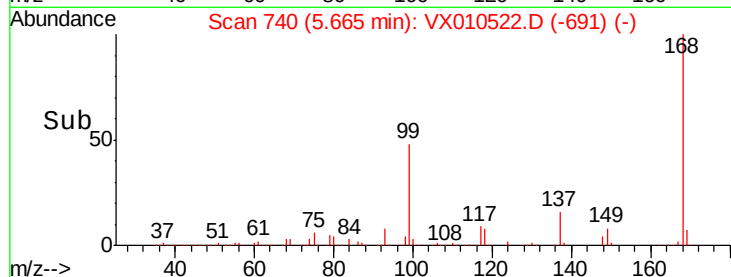
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.024 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010522.D

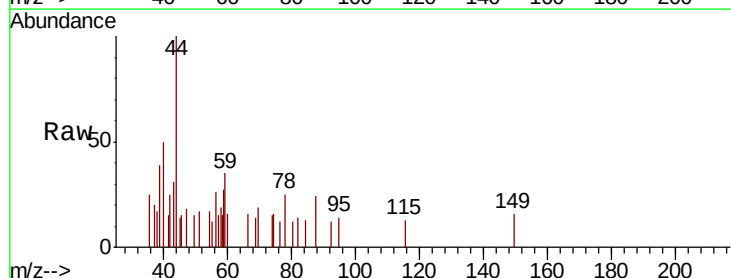
Acq: 28 Jun 2019 06:07

Tgt Ion: 59 Resp: 675

Ion Ratio Lower Upper

59 100

57 10.1 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX010346.D (-296) (-)

Ion 57.00 (56.70 to 57.70): VX010346.D (-296) (-)

3.04

300

250

200

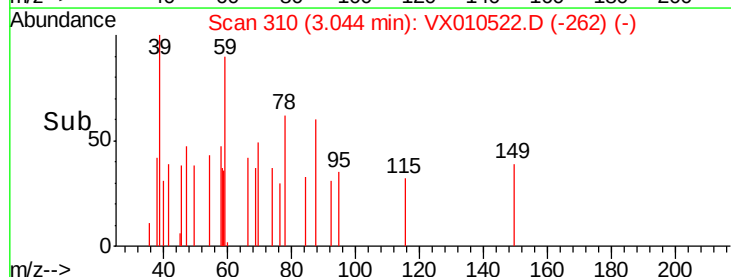
150

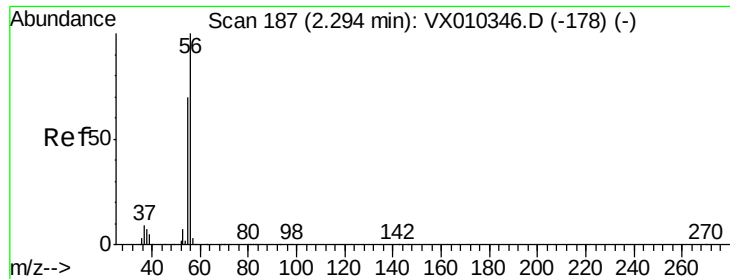
100

50

0

Time-->





#13

Acrolein

Concen: 1.294 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

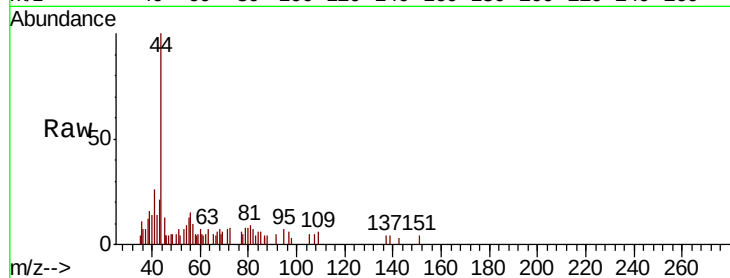
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 566

Ion Ratio Lower Upper

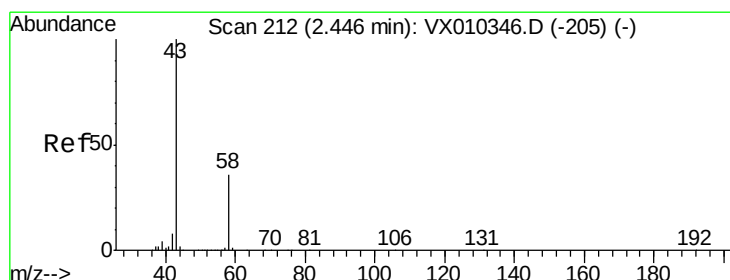
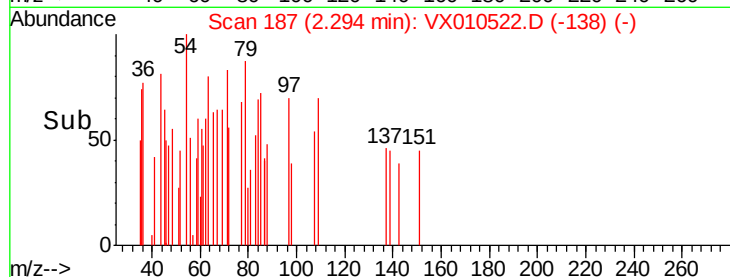
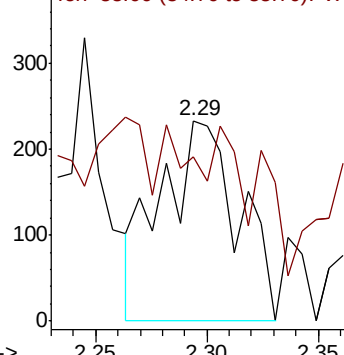
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.701 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010522.D

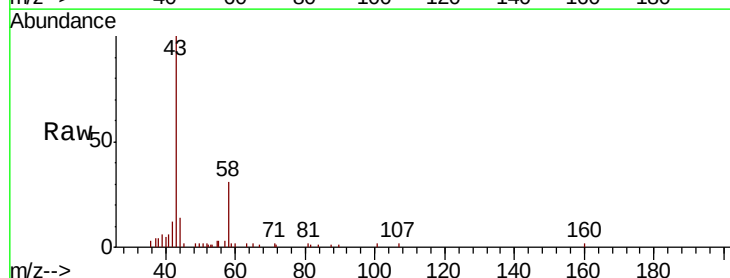
Acq: 28 Jun 2019 06:07

Tgt Ion: 43 Resp: 7198

Ion Ratio Lower Upper

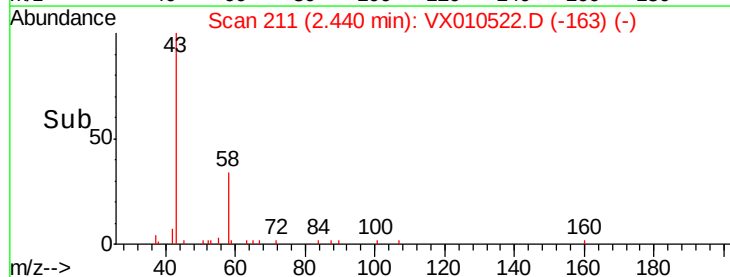
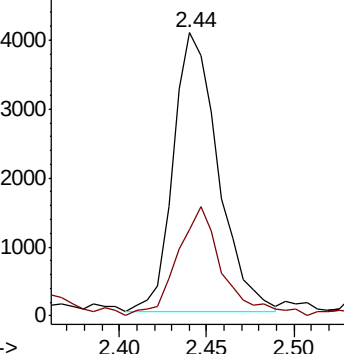
43 100

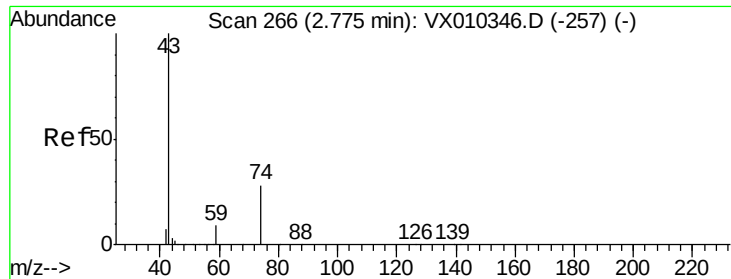
58 31.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

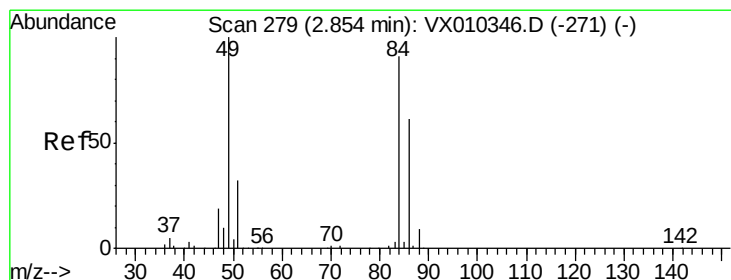
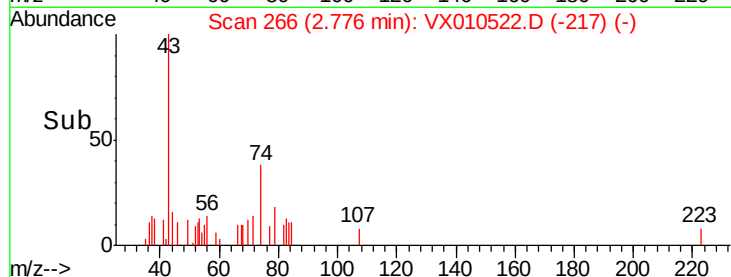
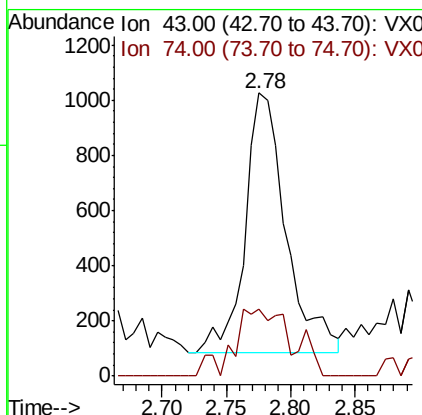
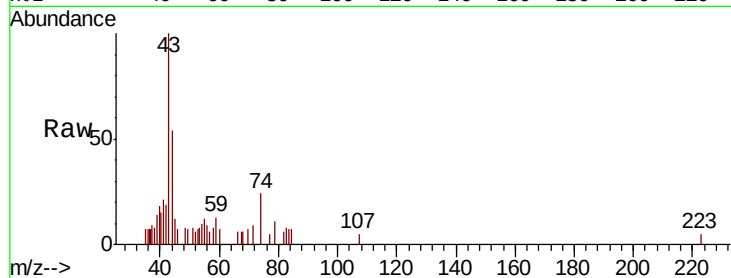




#18
Methvl Acetate
Concen: 0.824 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010522.D
Acq: 28 Jun 2019 06:07

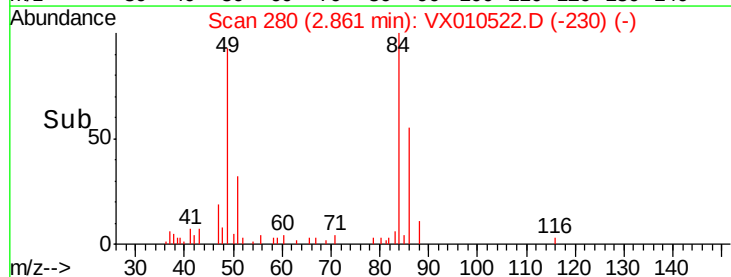
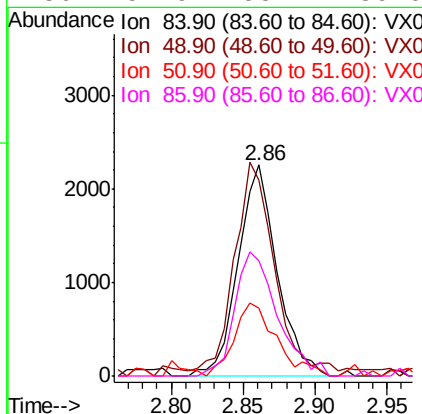
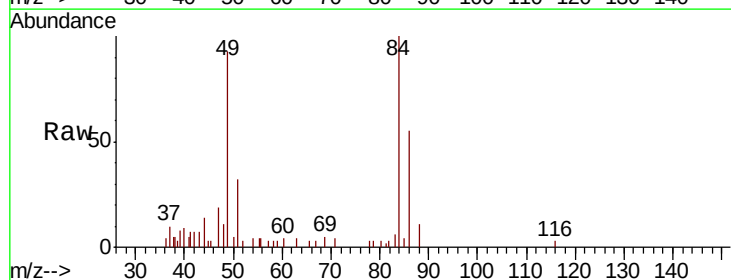
Instrument :
MSVOA_X
ClientSampled :

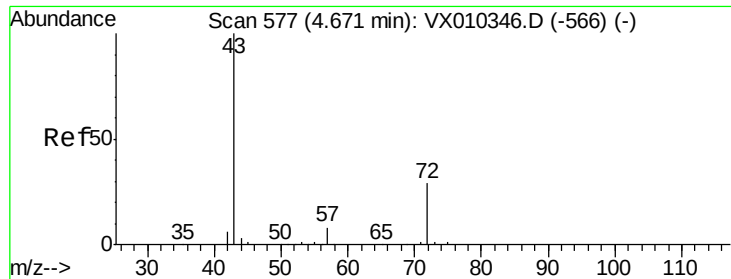
Tot Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
74 30.1 21.3 31.9



#20
Methylene Chloride
Concen: 1.629 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010522.D
Acq: 28 Jun 2019 06:07

Tgt Ion: 84 Resp: 4232
Ion Ratio Lower Upper
84 100
49 90.6 87.5 131.3
51 32.2 27.7 41.5
86 54.9 53.4 80.0





#25

2-Butanone

Concen: 0.788 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

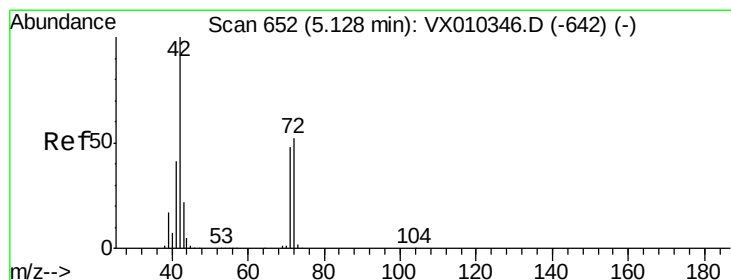
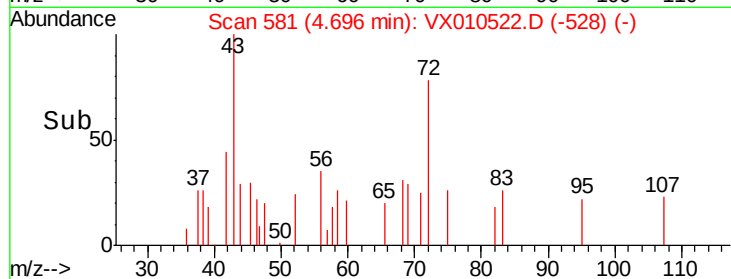
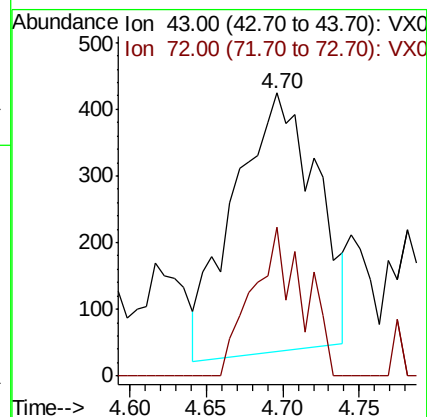
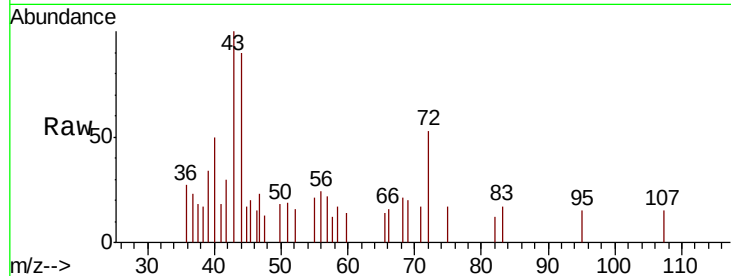
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1459

Ion Ratio Lower Upper

43 100

72 68.2 23.3 34.9#



#29

Tetrahydrofuran

Concen: 0.984 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

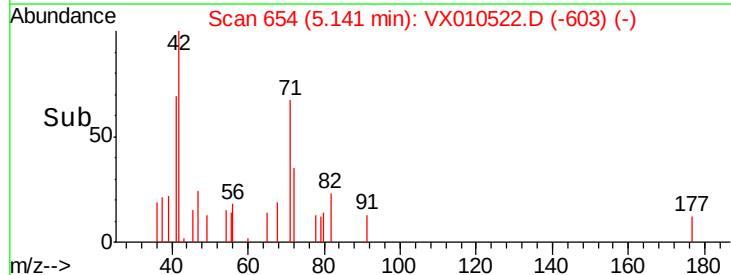
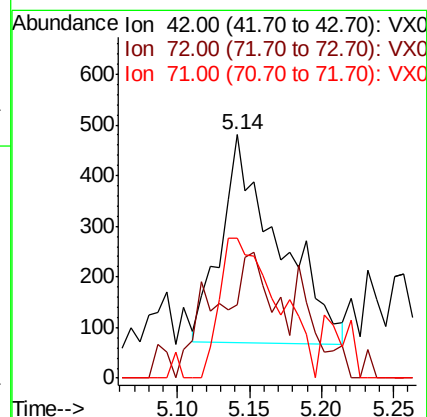
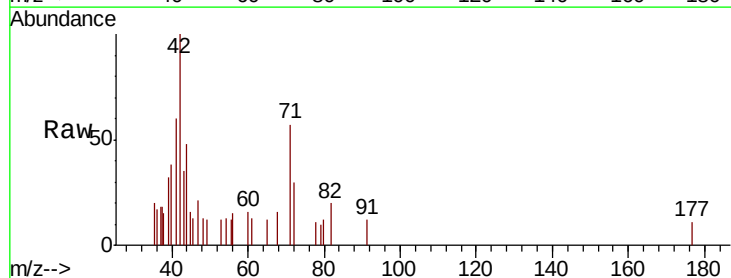
Tgt Ion: 42 Resp: 1129

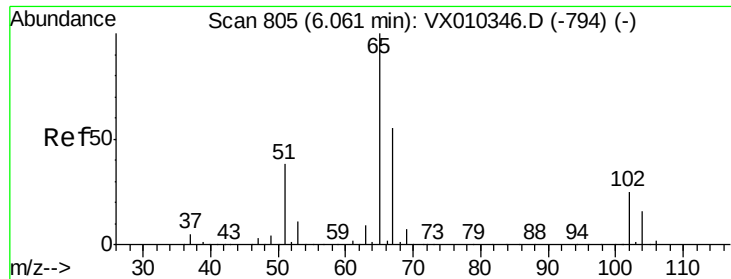
Ion Ratio Lower Upper

42 100

72 38.4 40.6 60.8#

71 68.3 37.8 56.8#

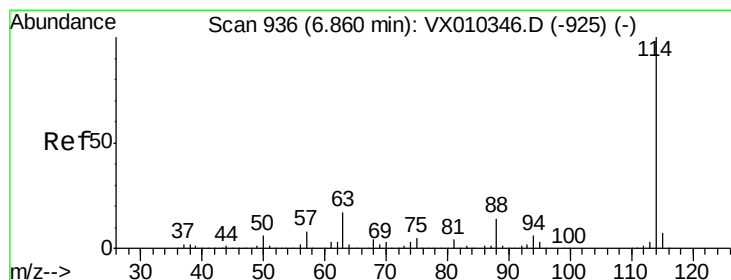
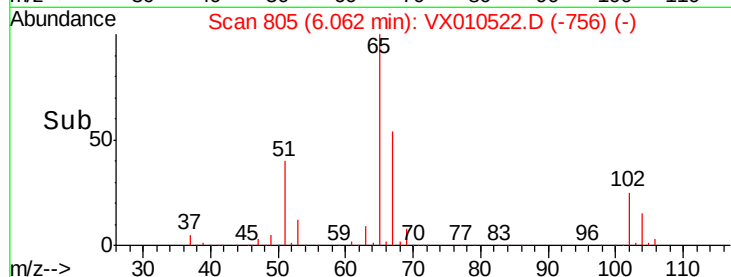
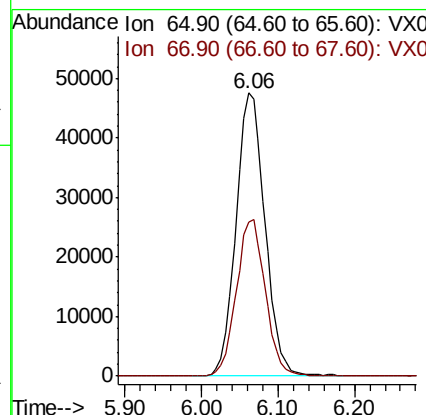
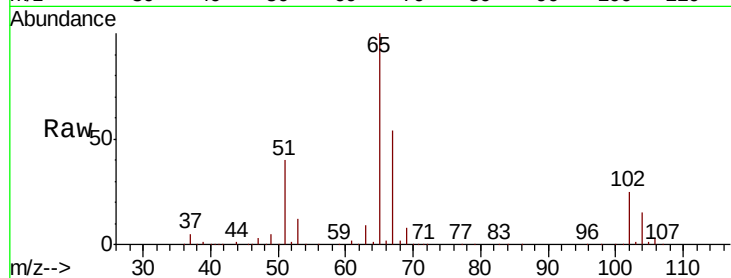




#33
 1,2-Dichloroethane-d4
 Concen: 49.522 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010522.D
 Acq: 28 Jun 2019 06:07

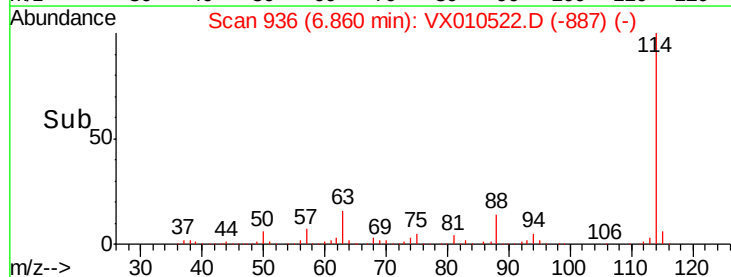
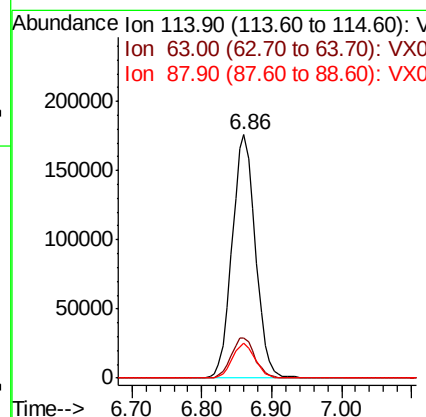
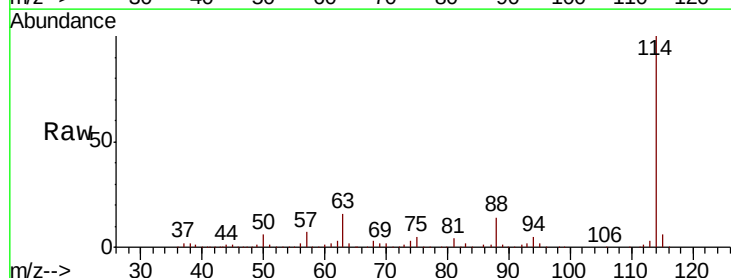
Instrument :
 MSVOA_X
 ClientSampleId :

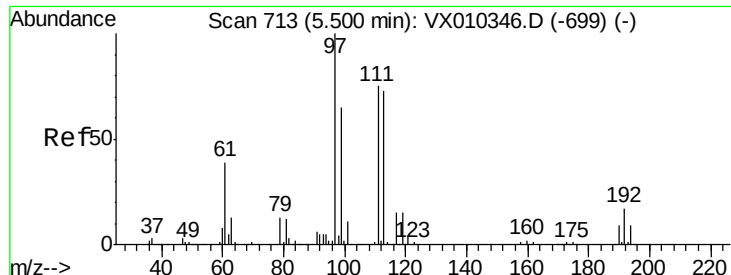
Tot Ion: 65 Resp: 124760
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010522.D
 Acq: 28 Jun 2019 06:07

Tgt Ion: 114 Resp: 407758
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 33.8
 88 14.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 48.730 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

Instrument :

MSVOA_X

ClientSampleId :

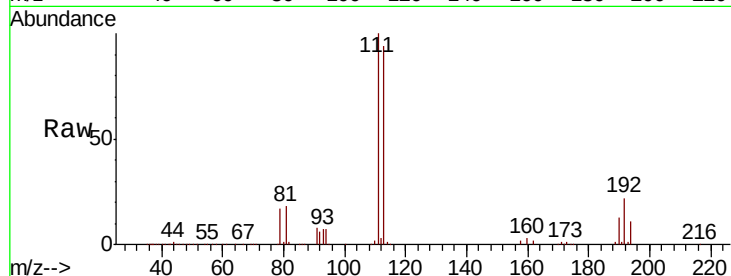
Tot Ion:113 Resp: 121571

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

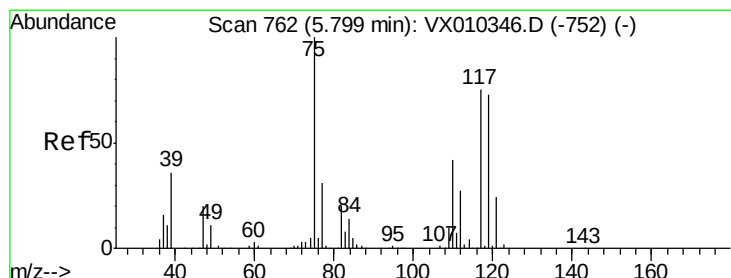
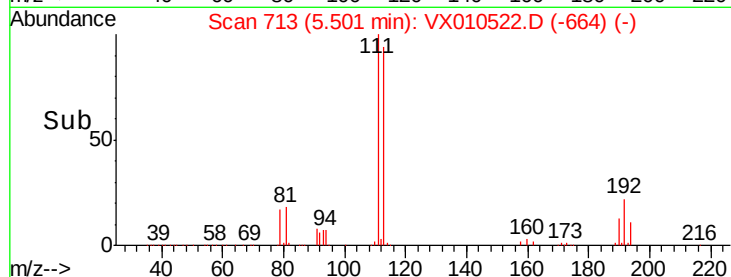
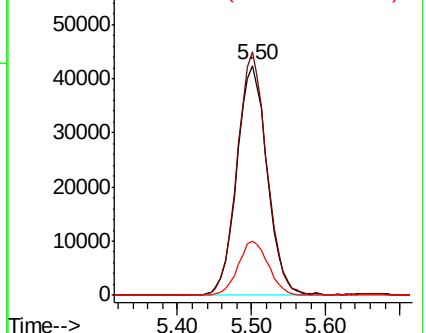
192 23.6 18.6 27.8



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: 5.129 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

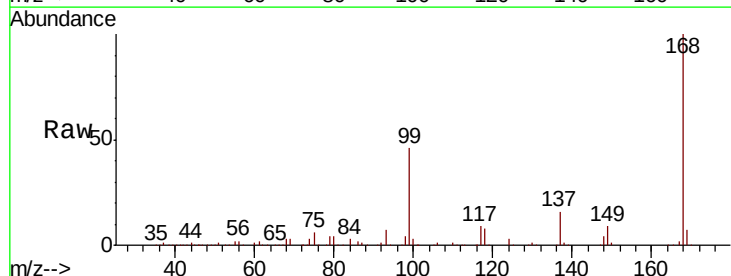
Tgt Ion: 75 Resp: 16619

Ion Ratio Lower Upper

75 100

110 0.0 20.8 62.2#

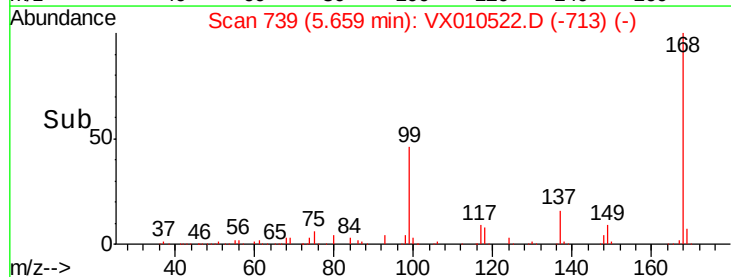
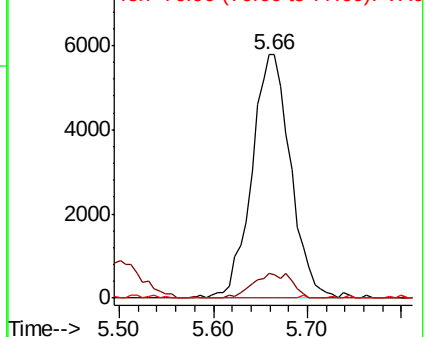
77 0.0 25.4 38.0#

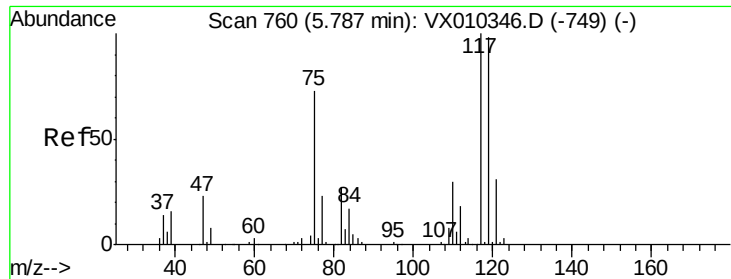


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.696 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

Instrument :

MSVOA_X

ClientSampleId :

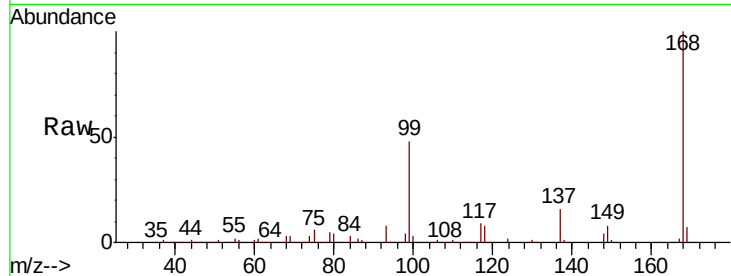
Tot Ion:117 Resp: 23494

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.4#

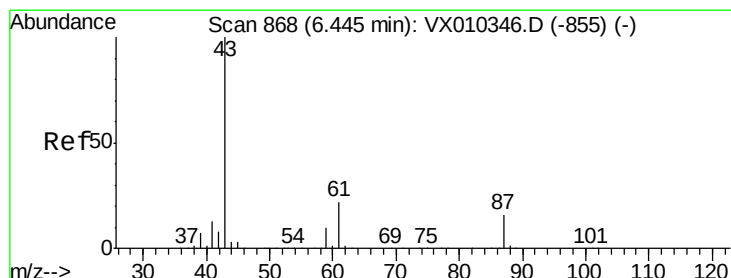
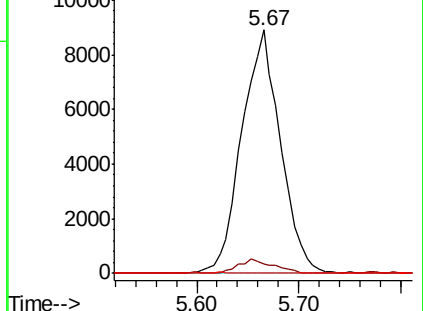
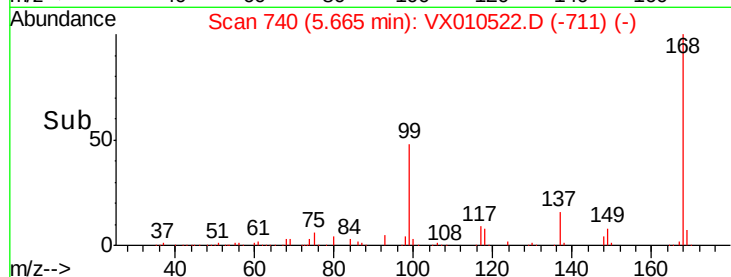
121 0.0 24.7 37.1#



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: 1.728 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

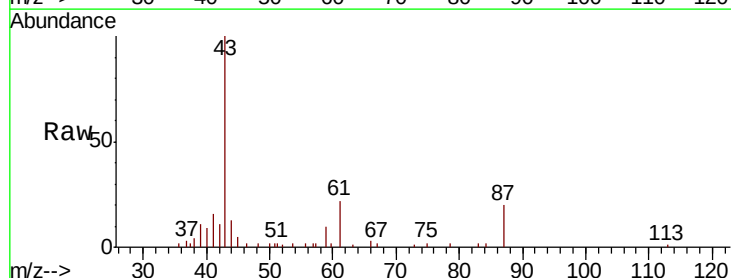
Tgt Ion: 43 Resp: 9529

Ion Ratio Lower Upper

43 100

61 24.9 17.8 26.6

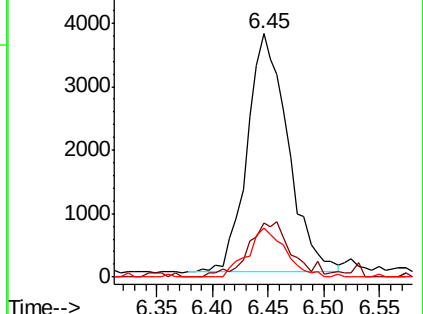
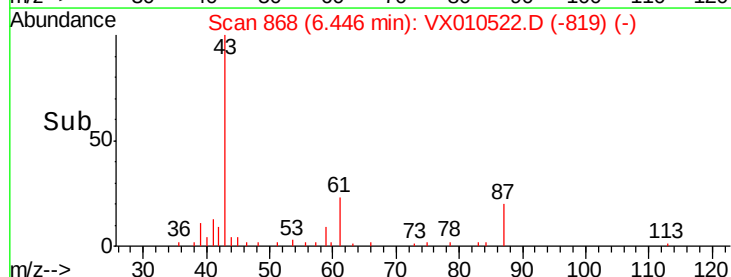
87 19.0 13.0 19.4

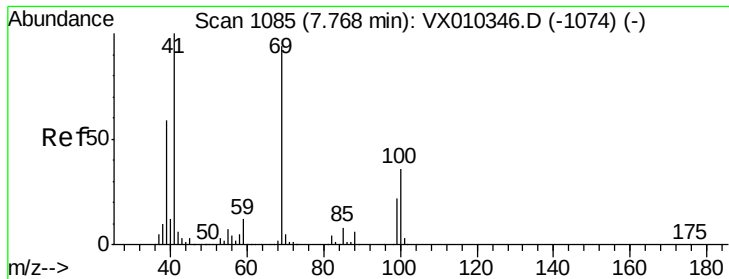


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

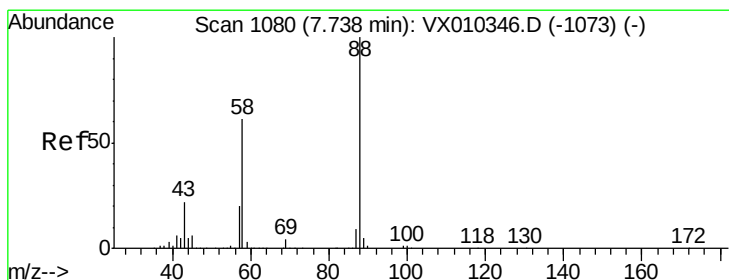
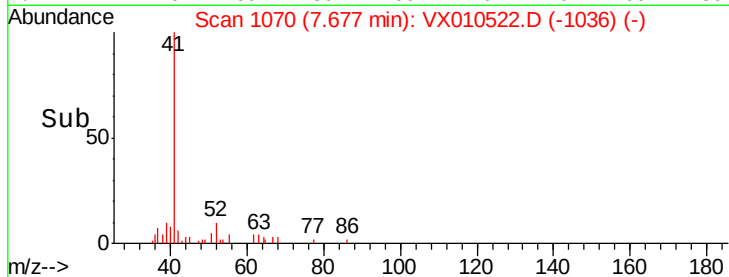
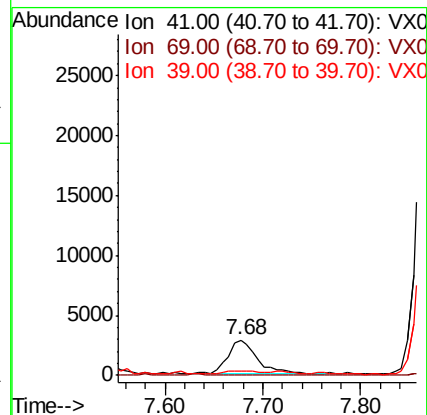
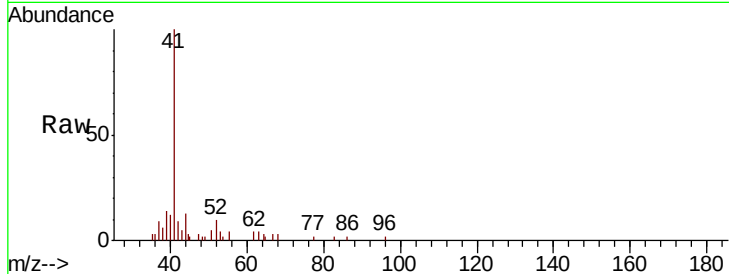




#48
Methvl methacrylate
Concen: 2.360 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX010522.D
Acq: 28 Jun 2019 06:07

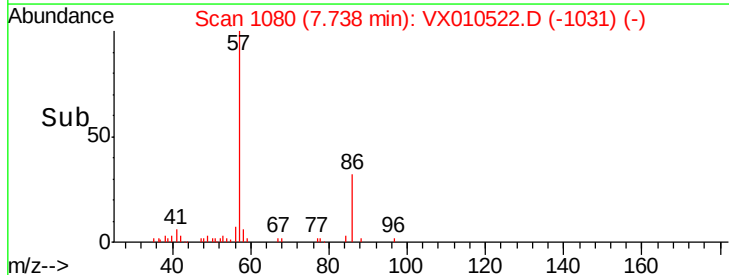
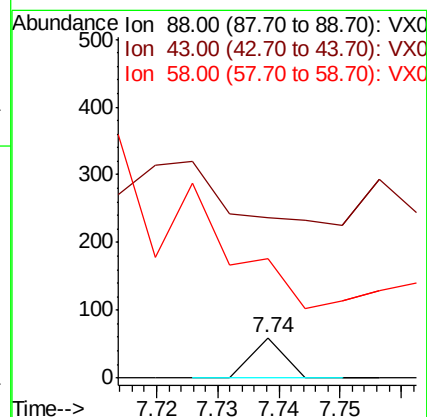
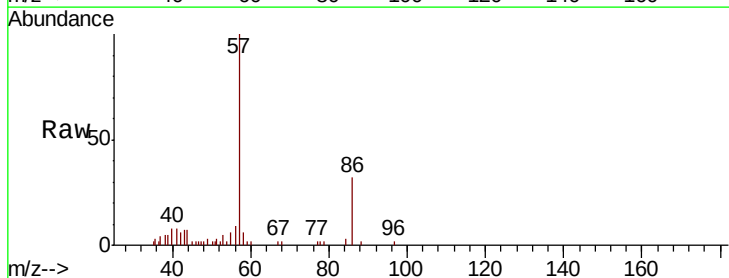
Instrument :
MSVOA_X
ClientSampled :

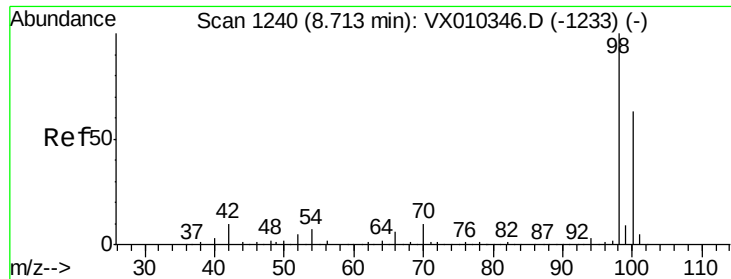
Tot Ion: 41 Resp: 6050
Ion Ratio Lower Upper
41 100
69 0.0 76.1 114.1#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: 0.298 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010522.D
Acq: 28 Jun 2019 06:07

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#

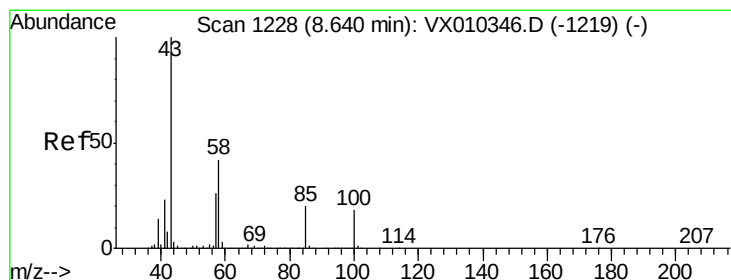
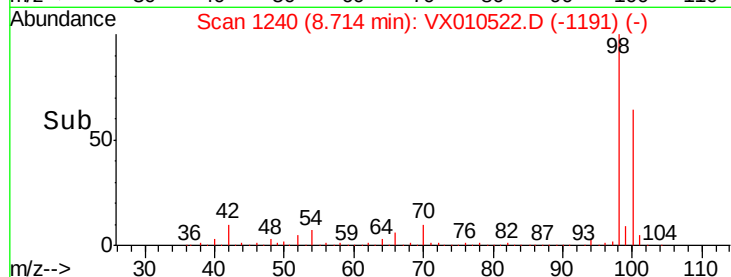
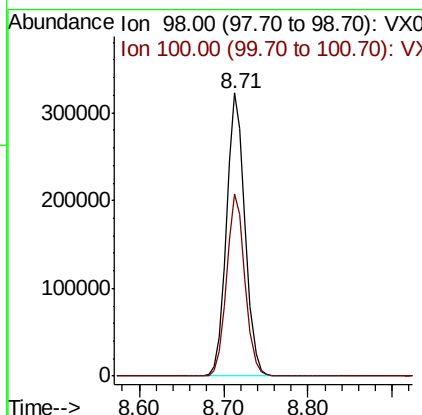
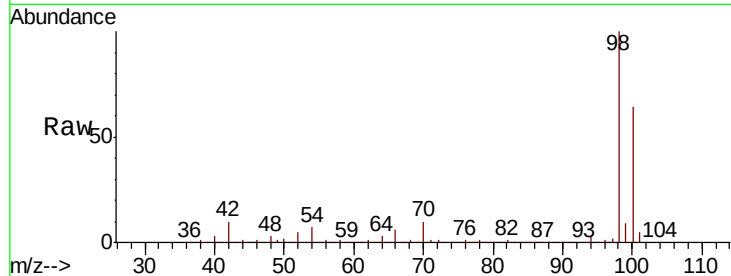




#50
Toluene-d8
Concen: 50.800 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010522.D
Acq: 28 Jun 2019 06:07

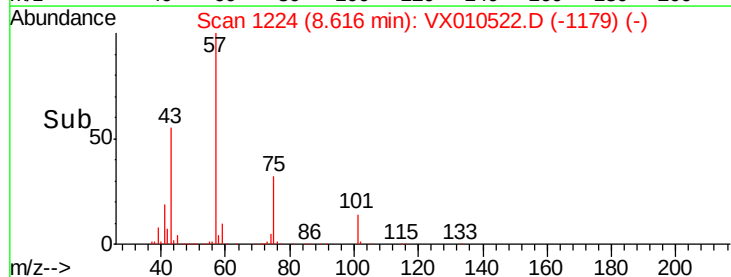
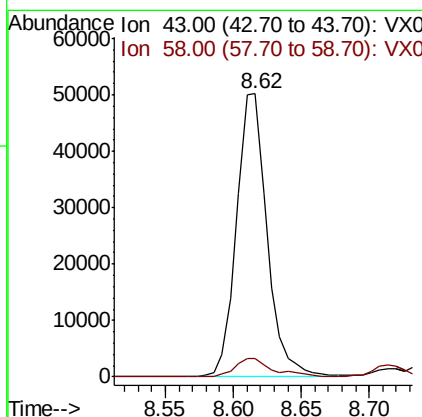
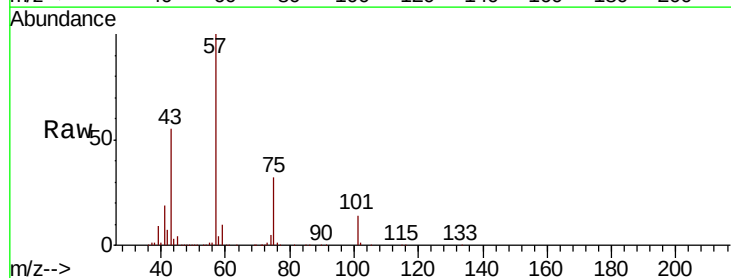
Instrument :
MSVOA_X
ClientSampleId :

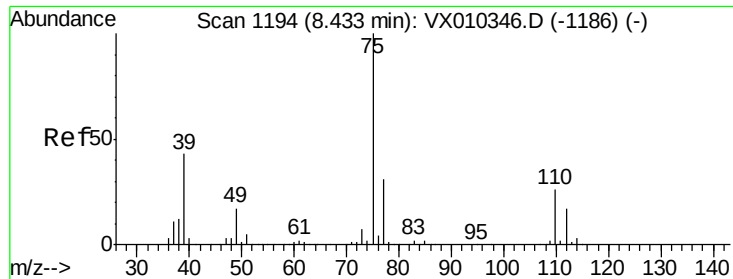
Tot Ion: 98 Resp: 484873
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 22.224 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VX010522.D
Acq: 28 Jun 2019 06:07

Tgt Ion: 43 Resp: 78390
Ion Ratio Lower Upper
43 100
58 8.3 33.5 50.3#



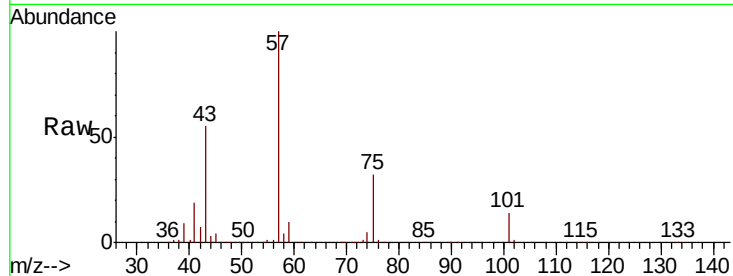


#54

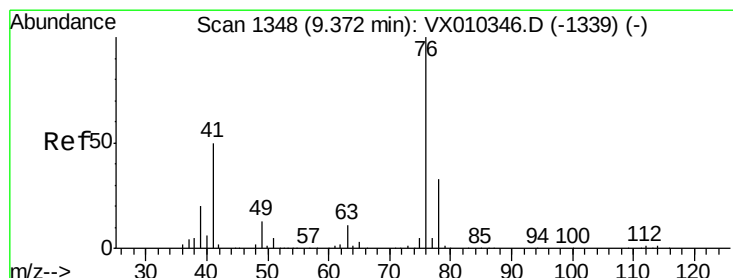
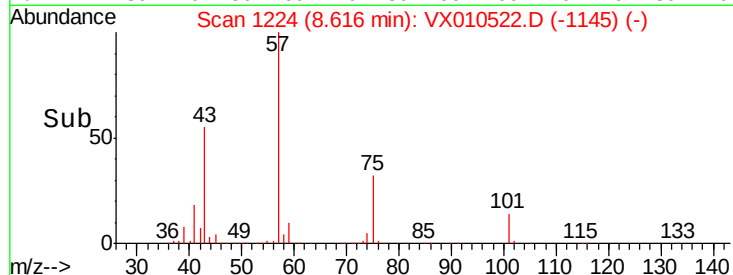
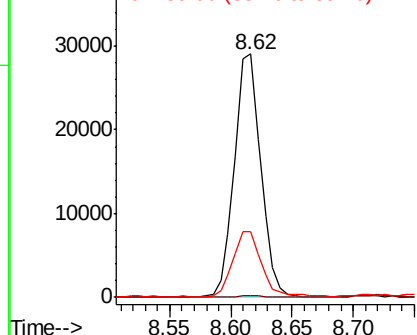
cis-1,3-Dichloropropene
 Concen: 10.641 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX010522.D
 Acq: 28 Jun 2019 06:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 43457
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.2 37.8#
 39 26.5 34.5 51.7#



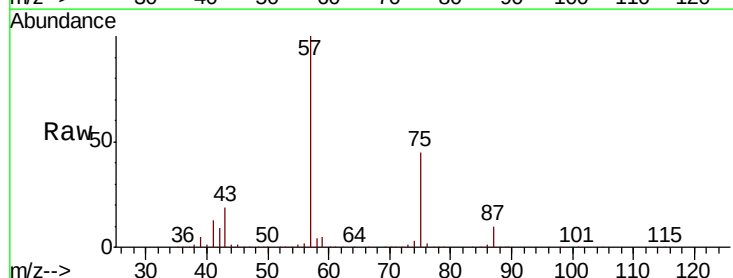
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



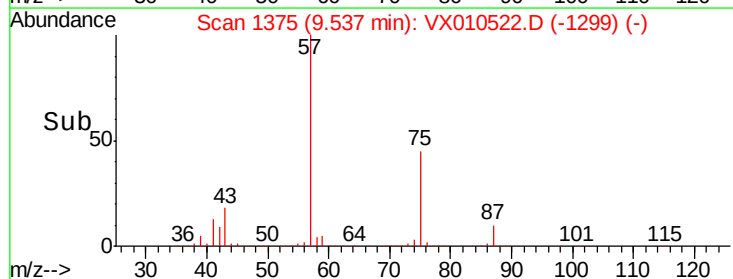
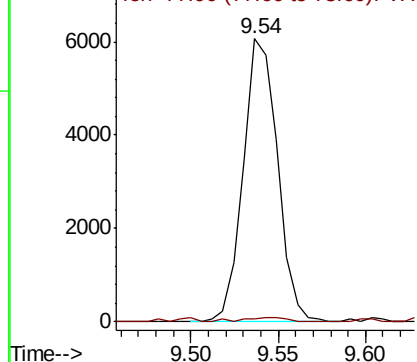
#57

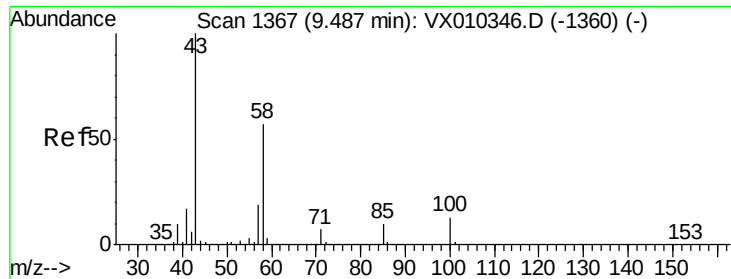
1,3-Dichloropropane
 Concen: 1.944 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.16 min
 Lab File: VX010522.D
 Acq: 28 Jun 2019 06:07

Tgt Ion: 76 Resp: 8273
 Ion Ratio Lower Upper
 76 100
 78 2.0 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0
 Ion 77.90 (77.60 to 78.60): VX0

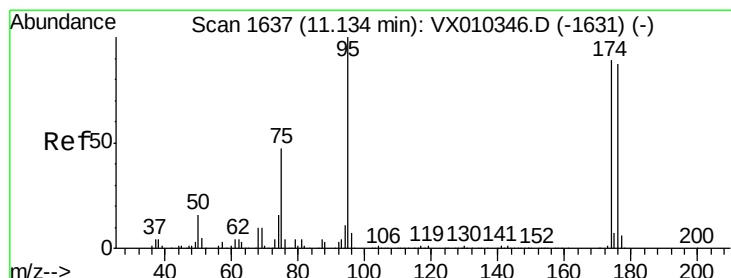
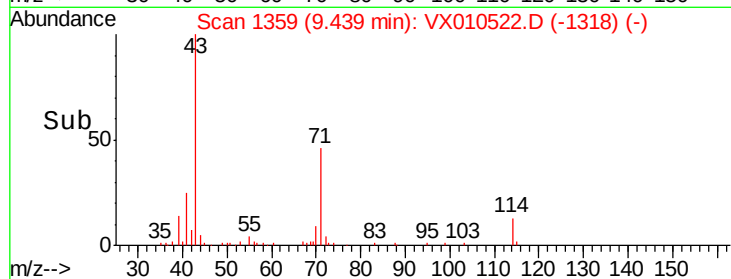
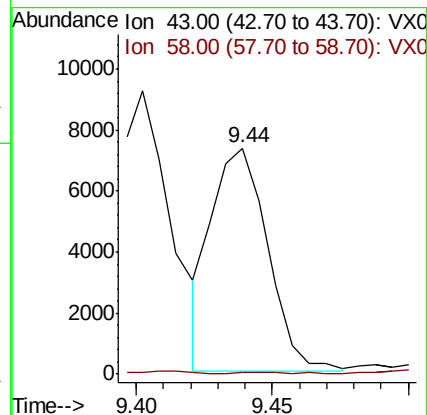
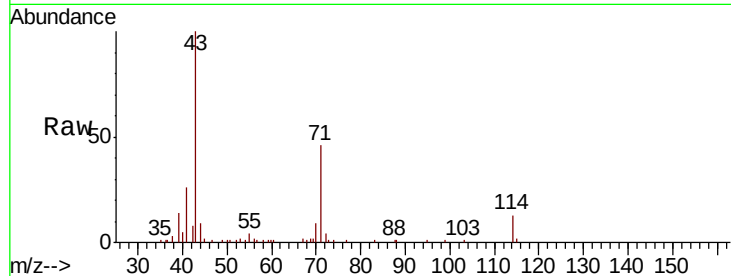




#59
2-Hexanone
Concen: 3.775 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX010522.D
Acq: 28 Jun 2019 06:07

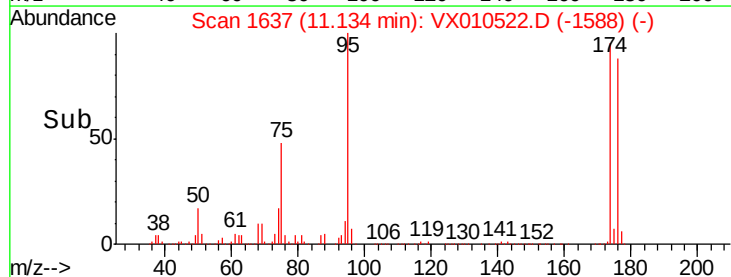
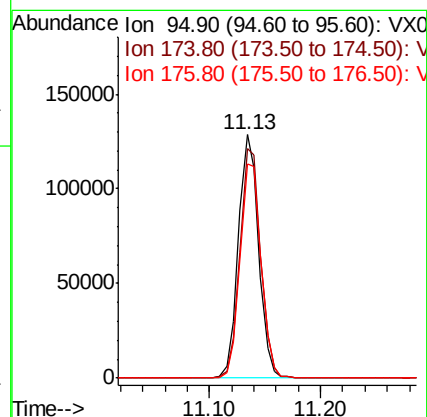
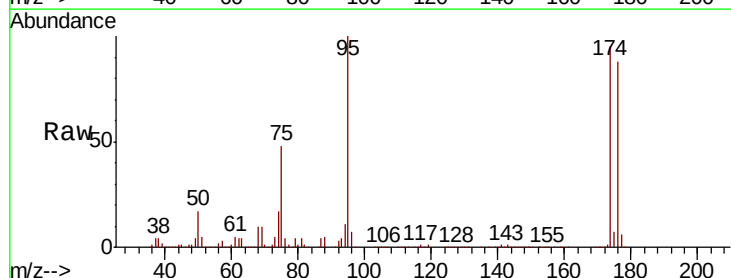
Instrument :
MSVOA_X
ClientSampleId :

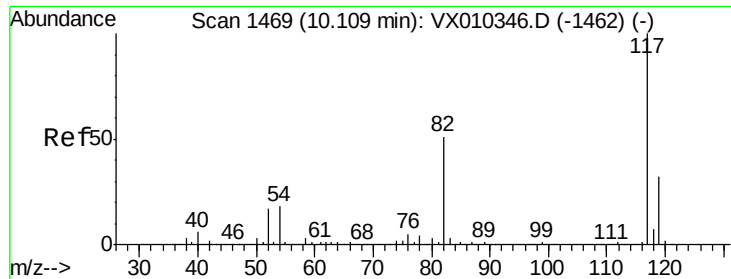
Tot Ion: 43 Resp: 10479
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.848 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010522.D
Acq: 28 Jun 2019 06:07

Tgt Ion: 95 Resp: 161434
Ion Ratio Lower Upper
95 100
174 96.8 0.0 187.6
176 92.2 0.0 184.0

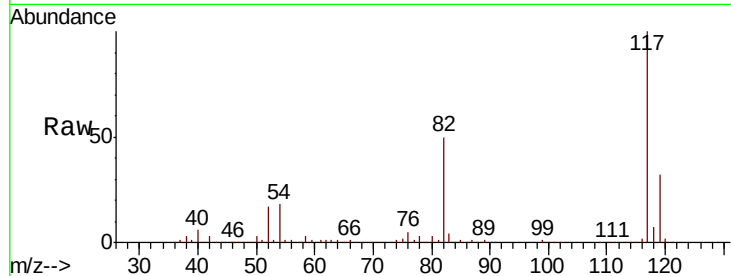




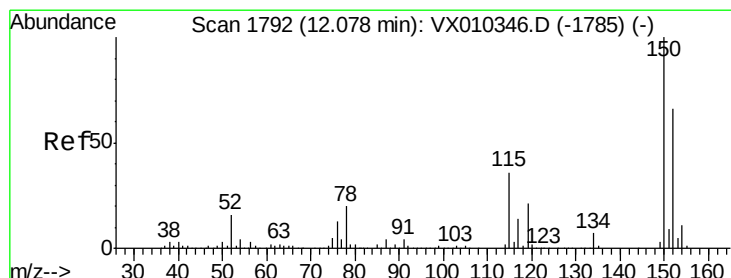
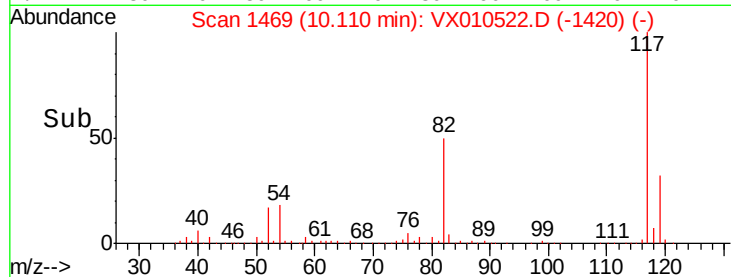
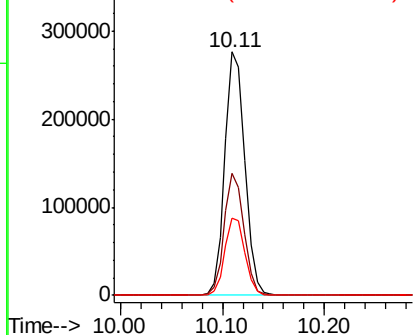
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VX010522.D
 Acq: 28 Jun 2019 06:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:117 Resp: 375877
 Ion Ratio Lower Upper
 117 100
 82 50.2 41.2 61.8
 119 31.7 25.5 38.3

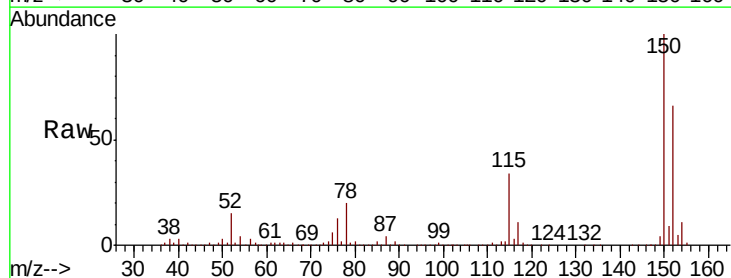


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

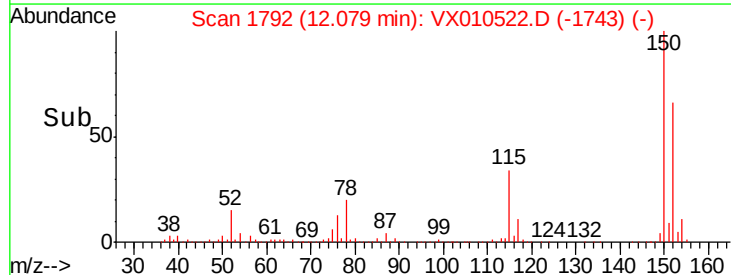
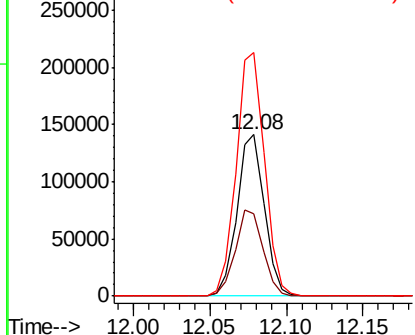


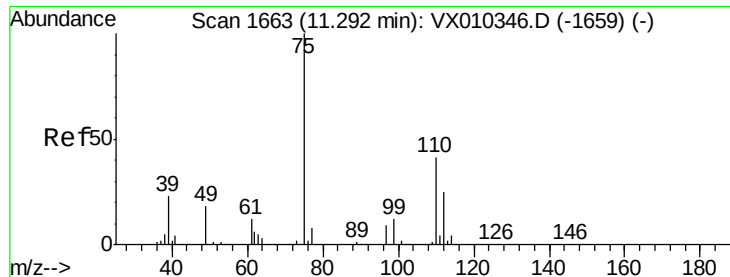
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX010522.D
 Acq: 28 Jun 2019 06:07

Tgt Ion:152 Resp: 174772
 Ion Ratio Lower Upper
 152 100
 115 53.9 38.6 115.7
 150 155.9 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





#76

1,2,3-Trichloropropane

Concen: 24.399 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

Instrument :

MSVOA_X

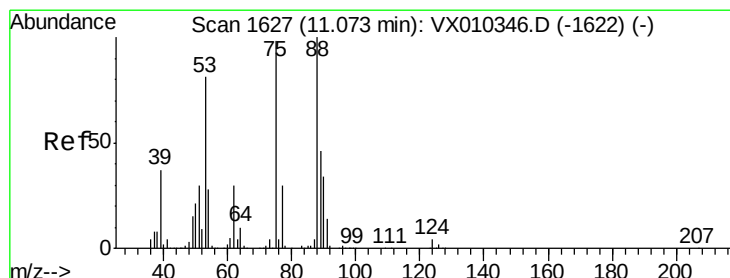
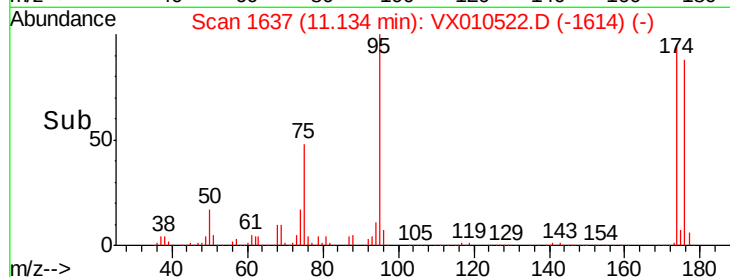
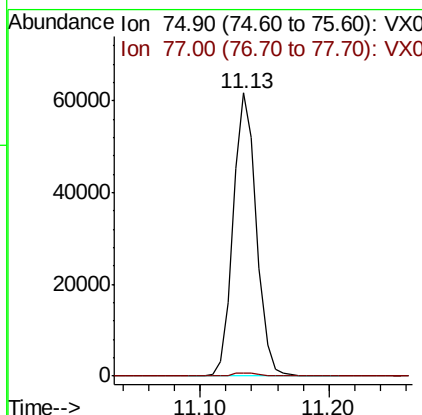
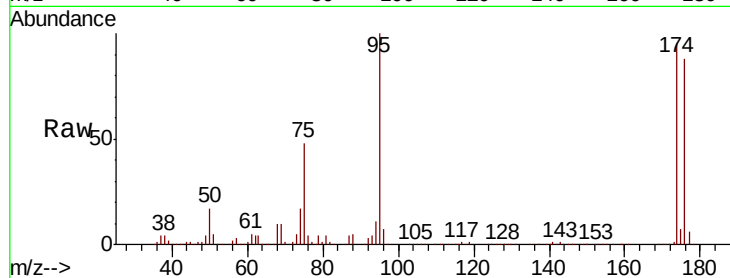
ClientSampleId :

Tot Ion: 75 Resp: 77707

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.921 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010522.D

Acq: 28 Jun 2019 06:07

Tgt Ion: 75 Resp: 77707

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

