

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010396.D
 Acq On : 21 Jun 2019 19:42
 Operator : JC/SP
 Sample : K3486-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-2

Quant Time: Jun 21 23:15:49 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	283764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	436346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	391115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179529	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	133855	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	5.50	113	133370	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.71	98	511400	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	172411	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

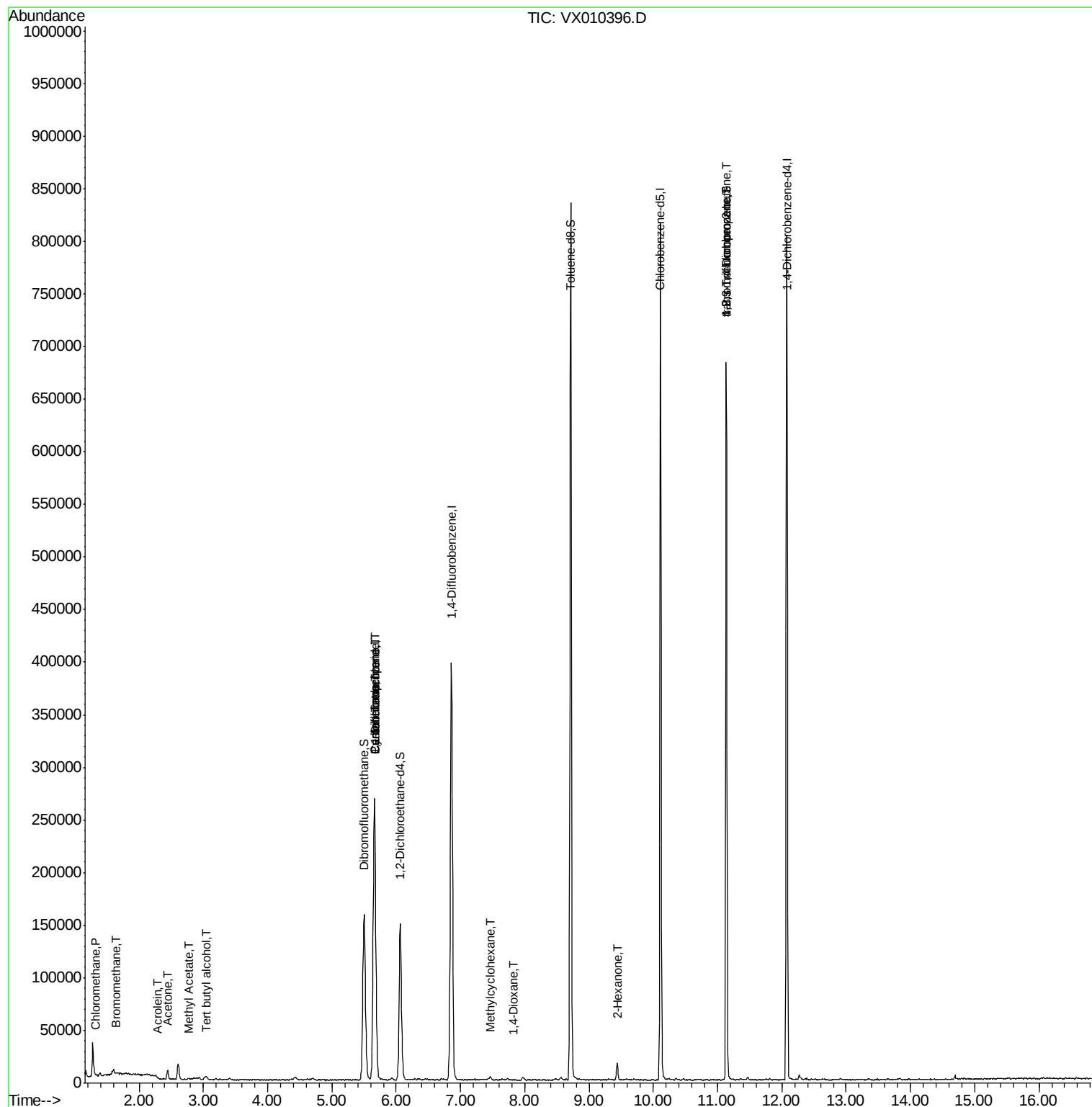
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	709	0.309	ug/l #	78
5) Bromomethane	1.65	94	560	0.457	ug/l #	63
11) Tert butyl alcohol	3.05	59	4074	5.852	ug/l #	91
13) Acrolein	2.29	56	282	0.611	ug/l #	20
16) Acetone	2.45	43	9086	6.814	ug/l	96
18) Methyl Acetate	2.78	43	1002	0.377	ug/l #	61
31) Cyclohexane	5.66	56	5033	1.310	ug/l #	14
36) 1,1-Dichloropropene	5.66	75	17247	4.974	ug/l #	48
38) Carbon Tetrachloride	5.67	117	25221	6.717	ug/l #	14
39) Methylcyclohexane	7.47	83	1649	0.362	ug/l #	82
49) 1,4-Dioxane	7.83	88	39	0.494	ug/l #	1
59) 2-Hexanone	9.44	43	10509	3.538	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	81067	24.780	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	81067	57.809	ug/l #	16

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

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Quant Time: Jun 21 23:15:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010396.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

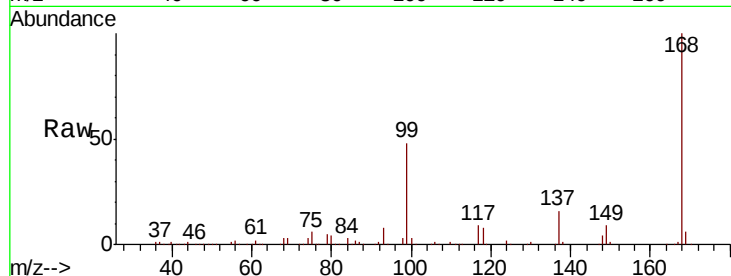
W-2

Tot Ion:168 Resp: 283764

Ion Ratio Lower Upper

168 100

99 47.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

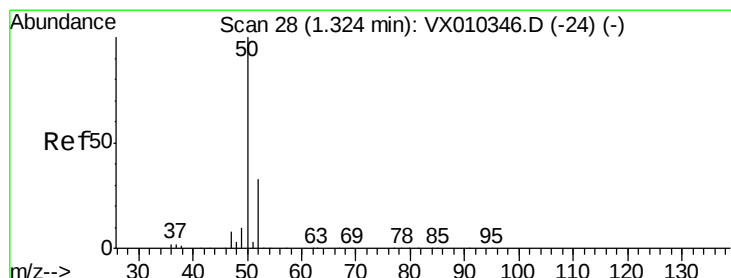
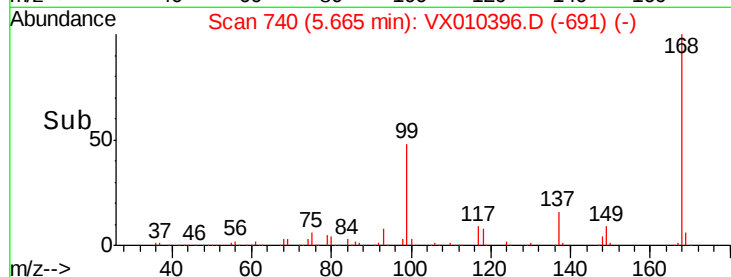
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.309 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010396.D

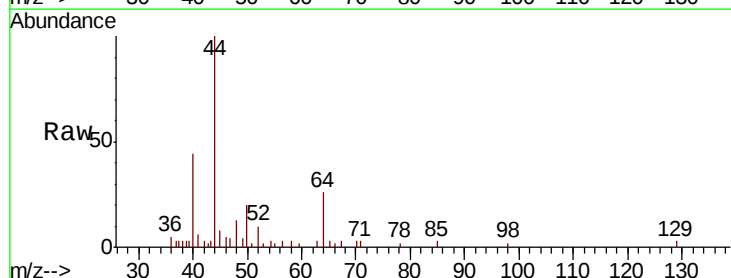
Acq: 21 Jun 2019 19:42

Tgt Ion: 50 Resp: 709

Ion Ratio Lower Upper

50 100

52 45.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

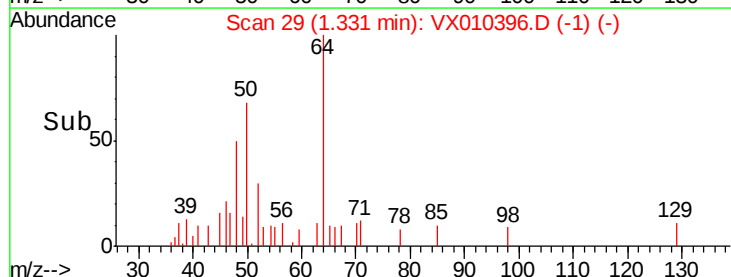
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.457 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010396.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

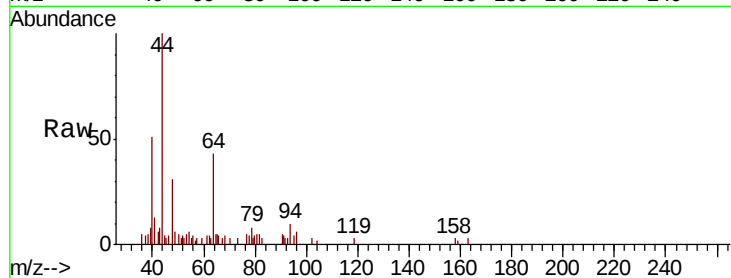
W-2

Tot Ion: 94 Resp: 560

Ion Ratio Lower Upper

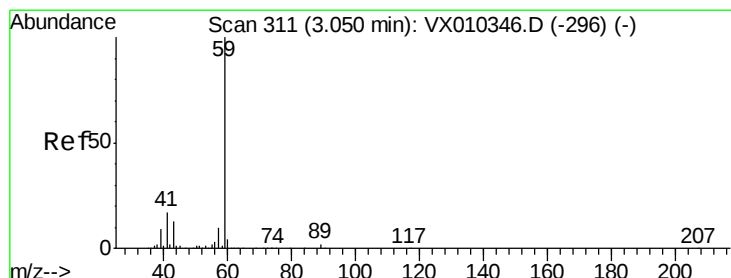
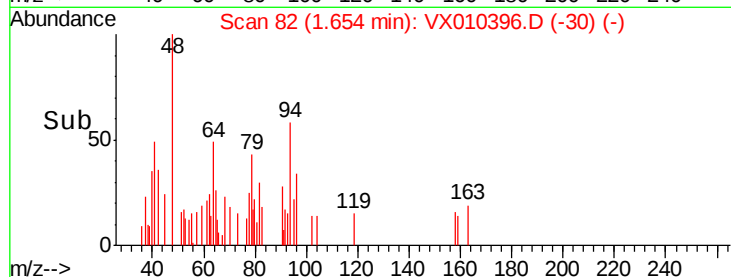
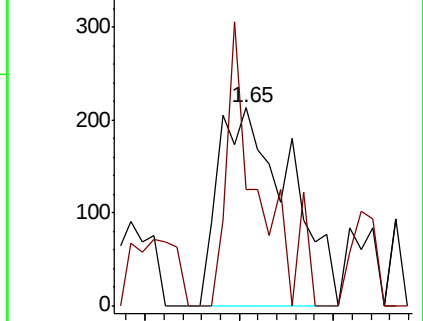
94 100

96 58.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 5.852 ug/l

RT: 3.05 min Scan# 311

Delta R.T. 0.00 min

Lab File: VX010396.D

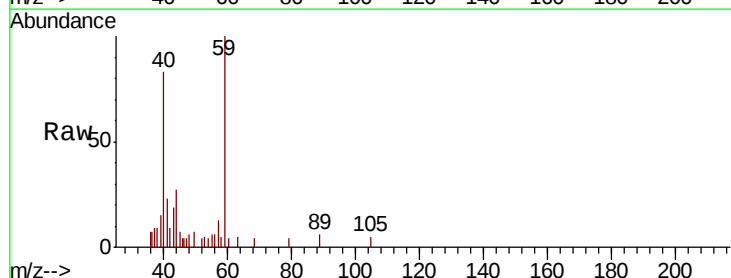
Acq: 21 Jun 2019 19:42

Tgt Ion: 59 Resp: 4074

Ion Ratio Lower Upper

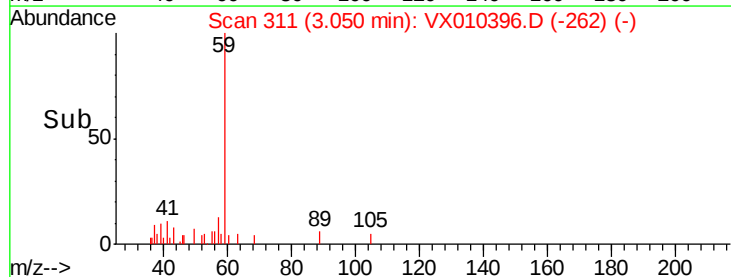
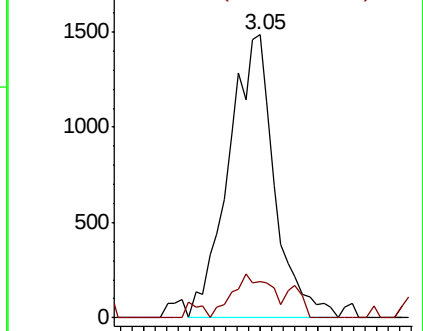
59 100

57 12.8 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.611 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010396.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

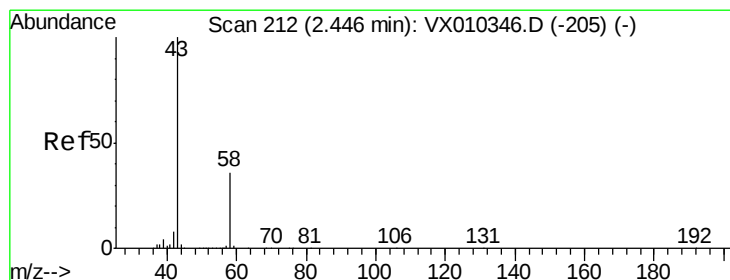
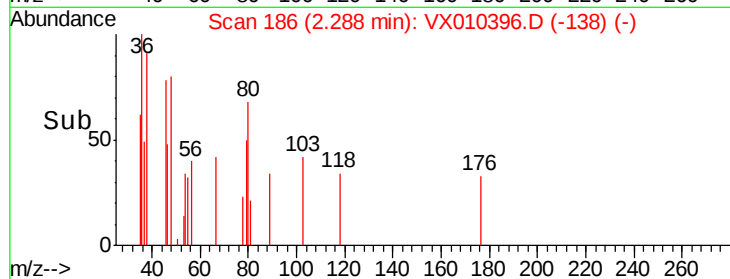
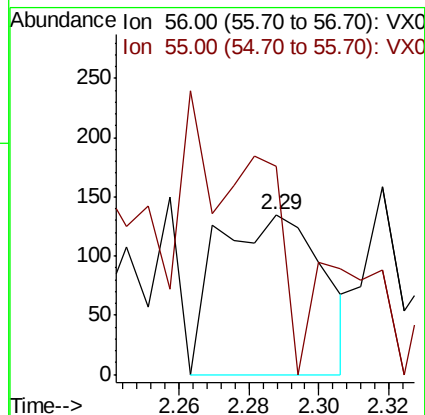
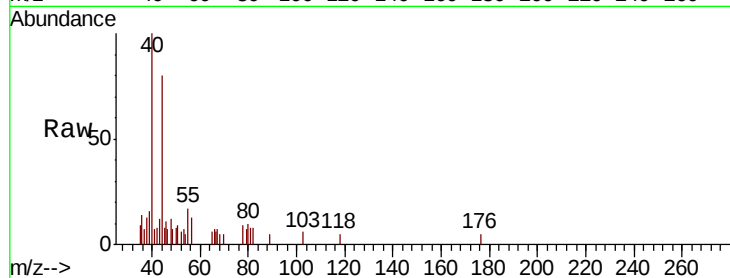
W-2

Tot Ion: 56 Resp: 282

Ion Ratio Lower Upper

56 100

55 4.6 56.9 85.3#



#16

Acetone

Concen: 6.814 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010396.D

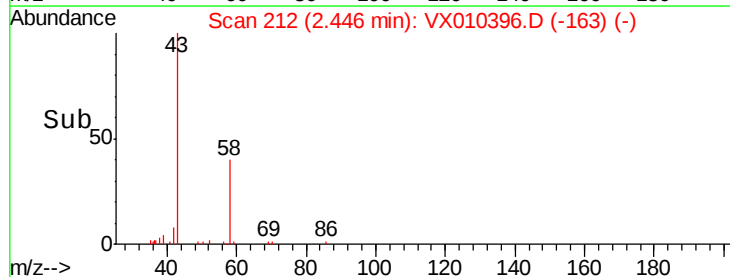
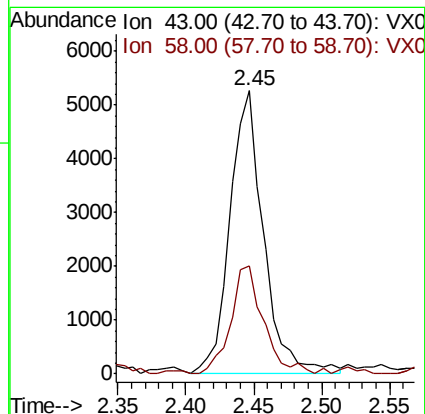
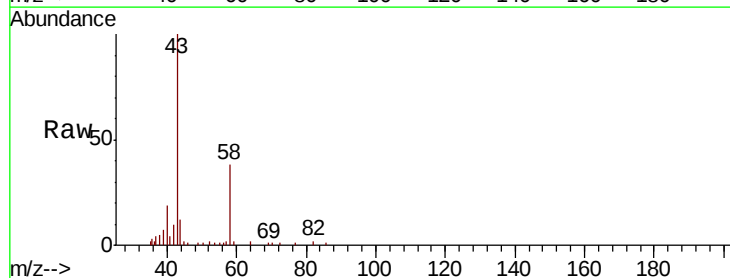
Acq: 21 Jun 2019 19:42

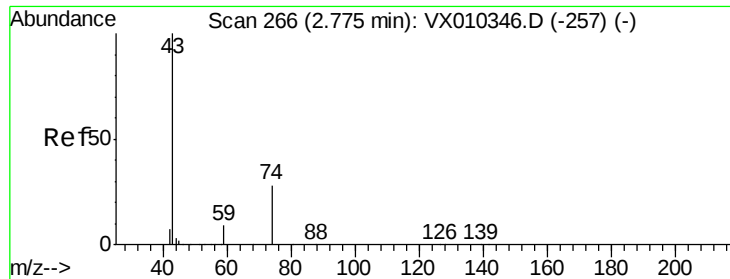
Tgt Ion: 43 Resp: 9086

Ion Ratio Lower Upper

43 100

58 38.3 28.9 43.3

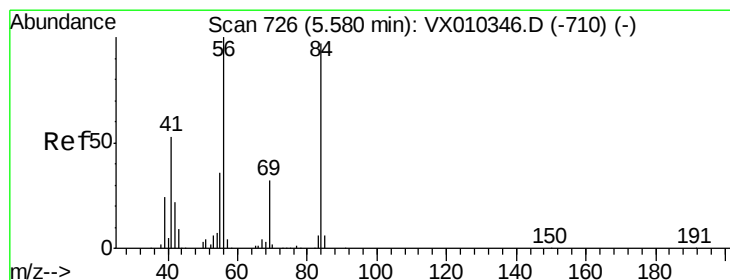
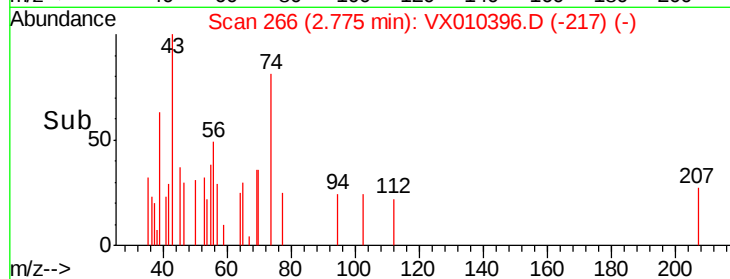
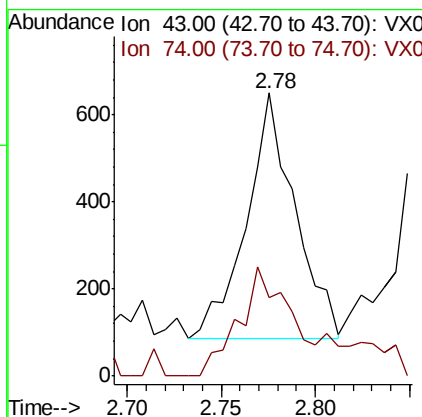
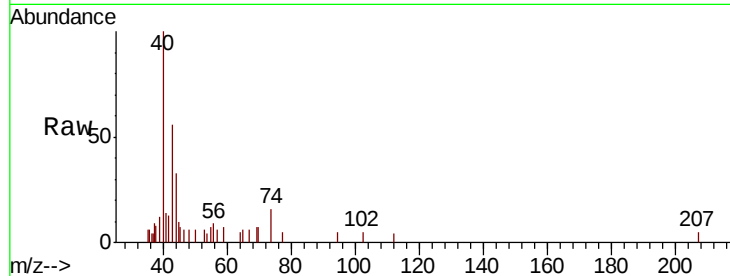




#18
Methyl Acetate
Concen: 0.377 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010396.D
Acq: 21 Jun 2019 19:42

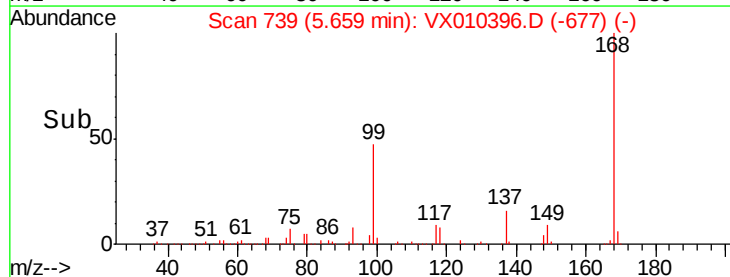
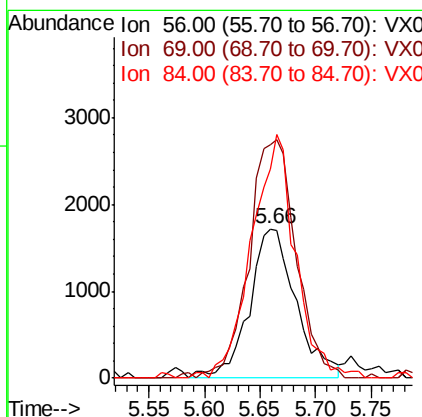
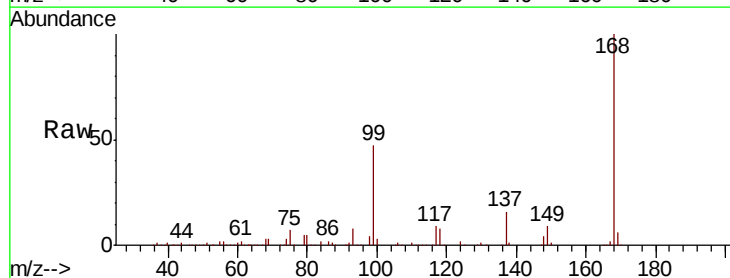
Instrument :
MSVOA_X
ClientSampled :
W-2

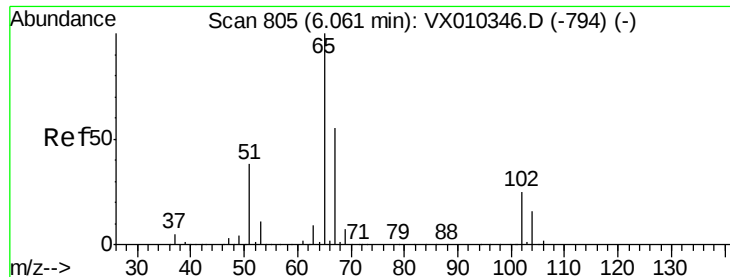
Tot Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
74 46.8 21.3 31.9#



#31
Cyclohexane
Concen: 1.310 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010396.D
Acq: 21 Jun 2019 19:42

Tgt Ion: 56 Resp: 5033
Ion Ratio Lower Upper
56 100
69 153.3 25.9 38.9#
84 139.7 78.0 117.0#

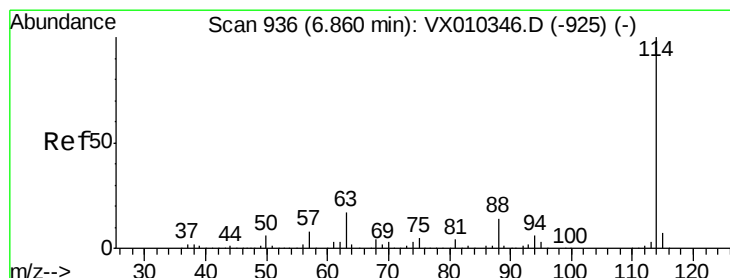
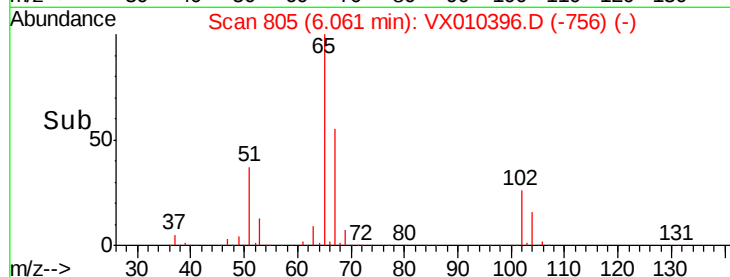
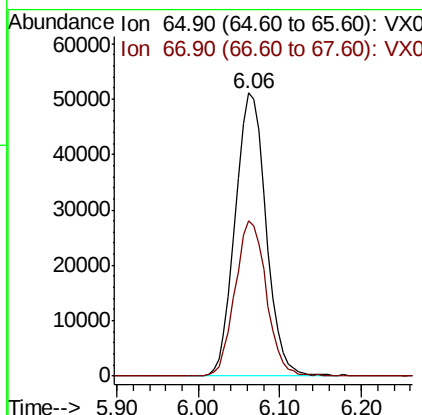
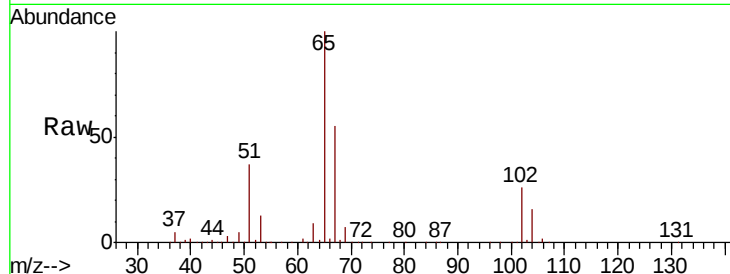




#33
 1,2-Dichloroethane-d4
 Concen: 50.311 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010396.D
 Acq: 21 Jun 2019 19:42

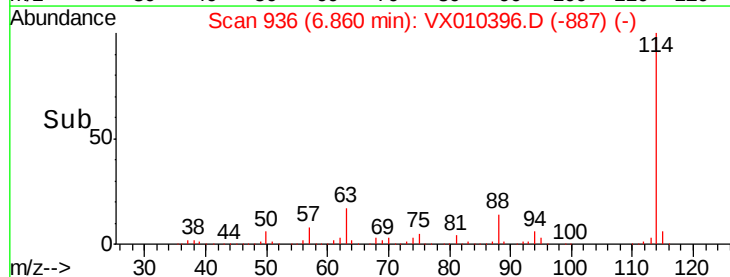
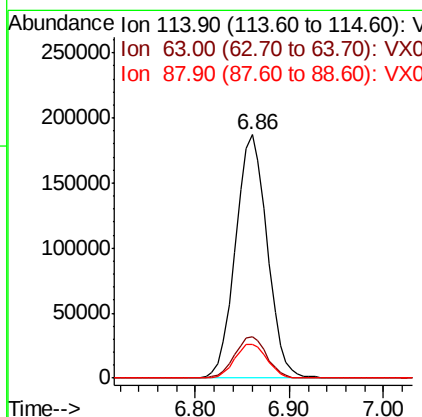
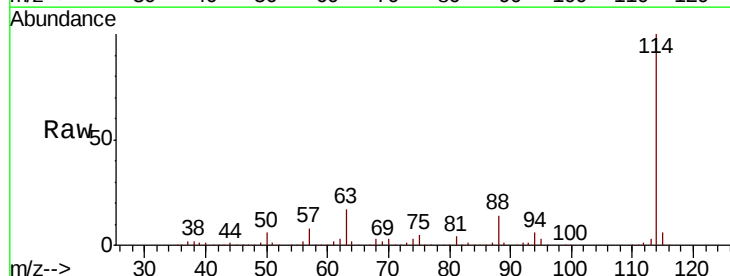
Instrument :
 MSVOA_X
 ClientSampled :
 W-2

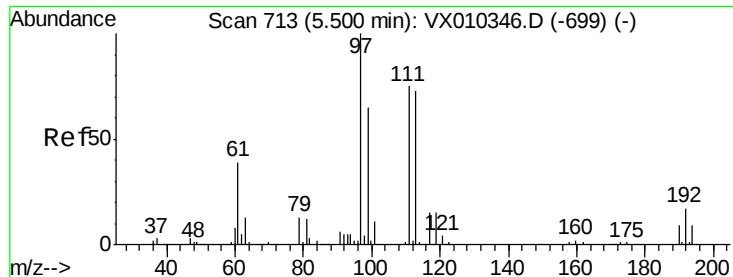
Tot Ion: 65 Resp: 133855
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010396.D
 Acq: 21 Jun 2019 19:42

Tgt Ion: 114 Resp: 436346
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.8
 88 14.0 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.956 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010396.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

W-2

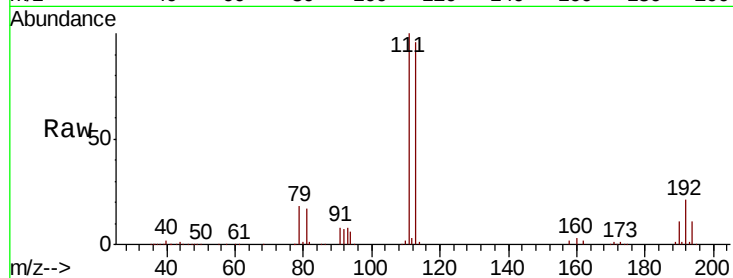
Tot Ion:113 Resp: 133370

Ion Ratio Lower Upper

113 100

111 102.4 81.2 121.8

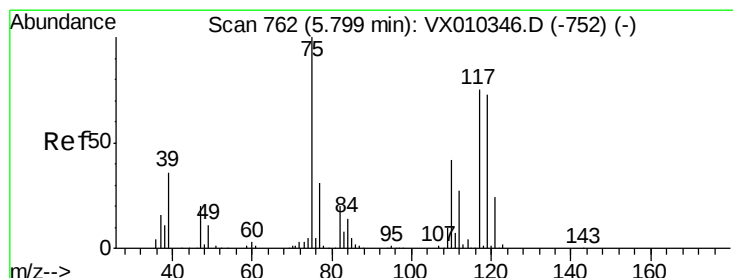
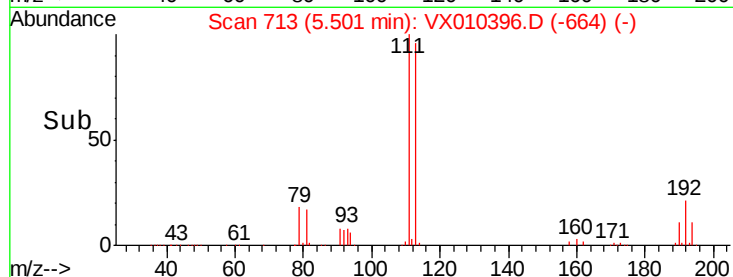
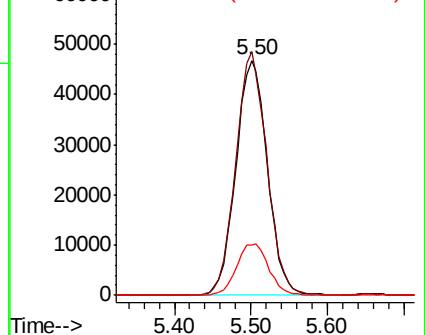
192 22.5 18.6 27.8



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: 4.974 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010396.D

Acq: 21 Jun 2019 19:42

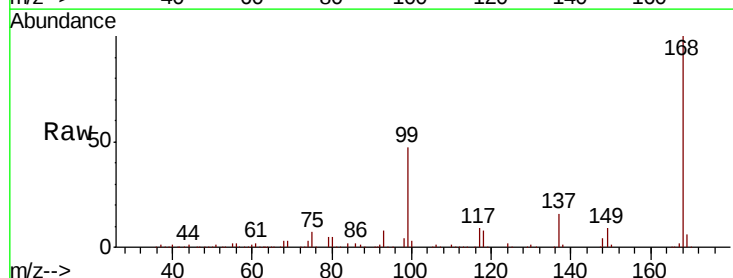
Tgt Ion: 75 Resp: 17247

Ion Ratio Lower Upper

75 100

110 10.9 20.8 62.2#

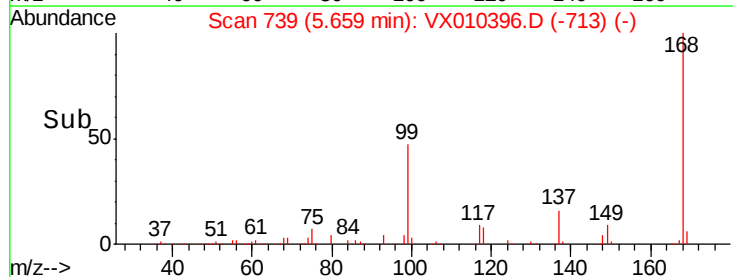
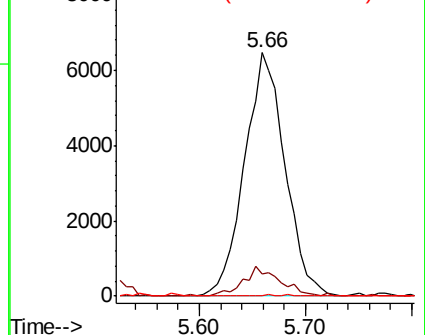
77 0.1 25.4 38.0#

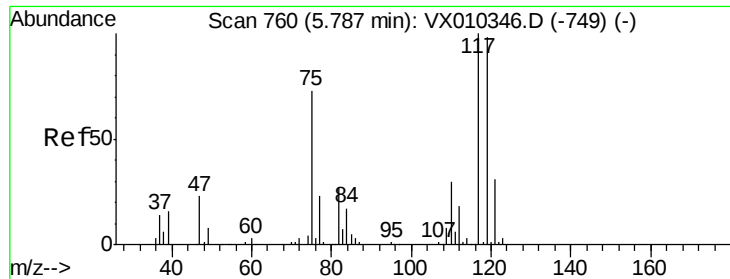


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.717 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010396.D

Acq: 21 Jun 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

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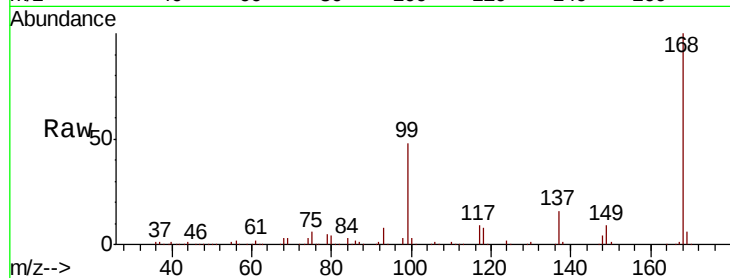
Tot Ion:117 Resp: 25221

Ion Ratio Lower Upper

117 100

119 3.7 78.2 117.4#

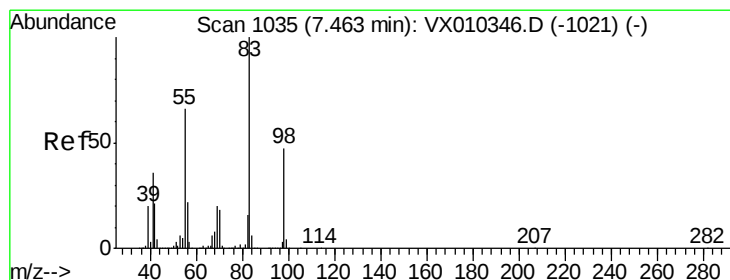
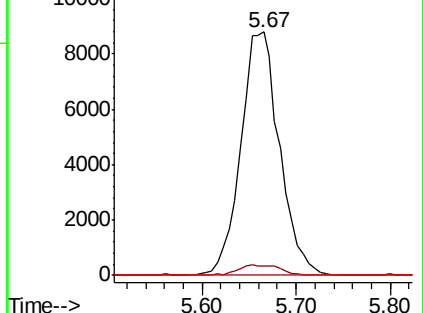
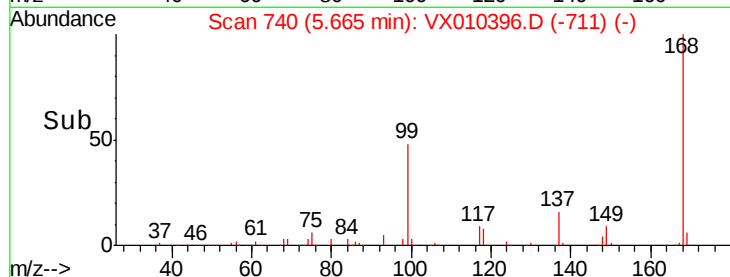
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 0.362 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VX010396.D

Acq: 21 Jun 2019 19:42

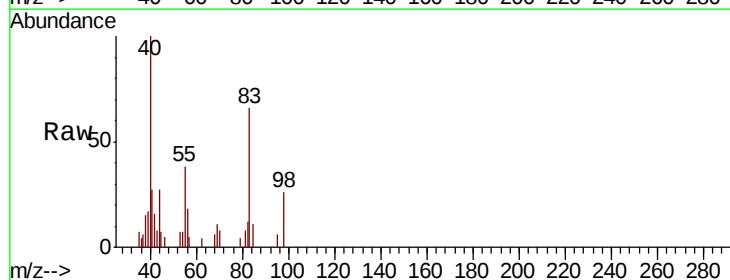
Tgt Ion: 83 Resp: 1649

Ion Ratio Lower Upper

83 100

55 48.3 53.0 79.6#

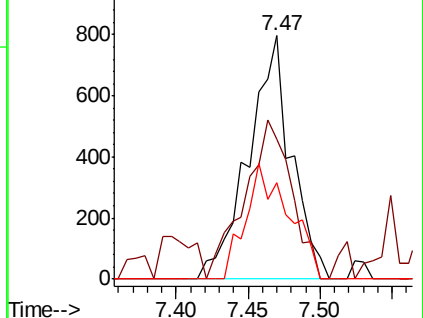
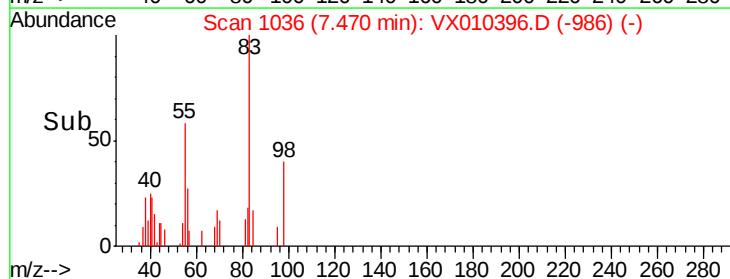
98 39.5 37.8 56.8

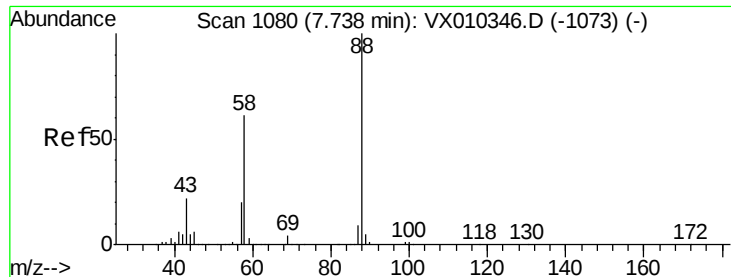


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

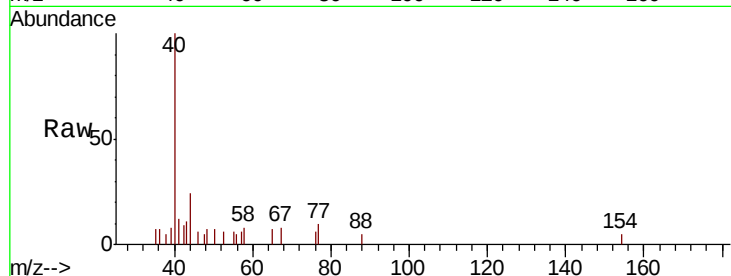




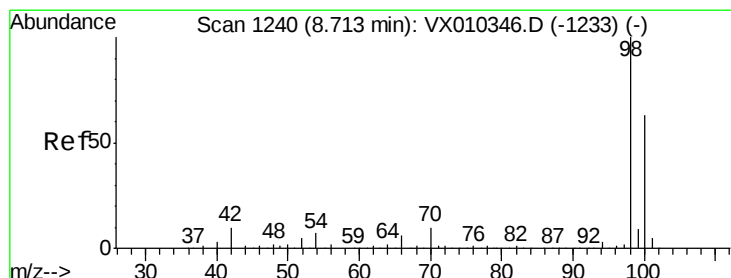
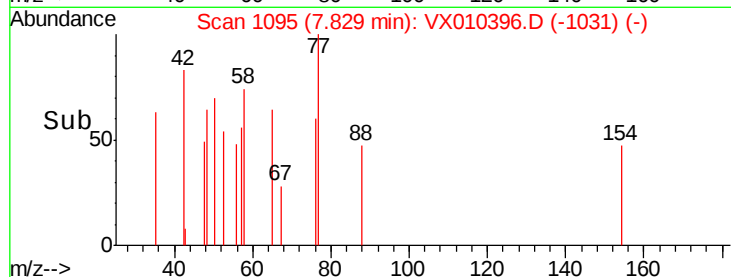
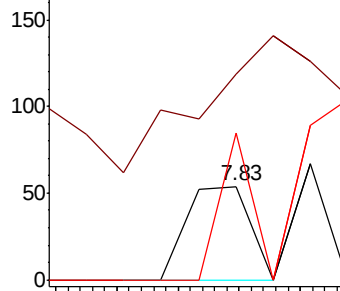
#49
1,4-Dioxane
Concen: 0.494 ug/l
RT: 7.83 min Scan# 1095
Delta R.T. 0.09 min
Lab File: VX010396.D
Acq: 21 Jun 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
W-2

Tot Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 641.0 20.2 30.2#
58 425.6 49.5 74.3#

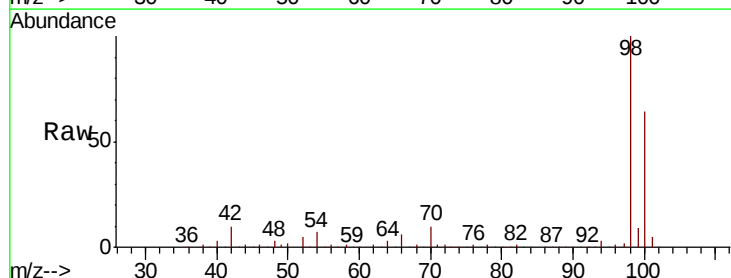


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

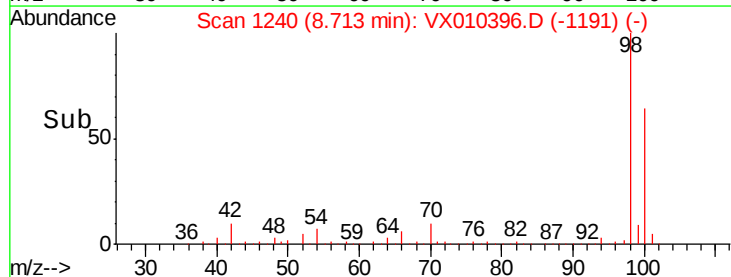
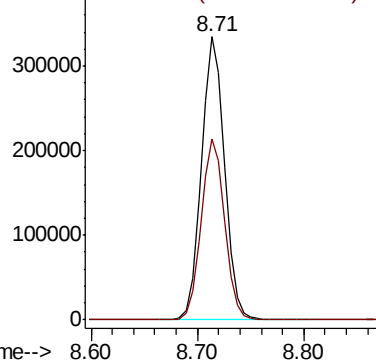


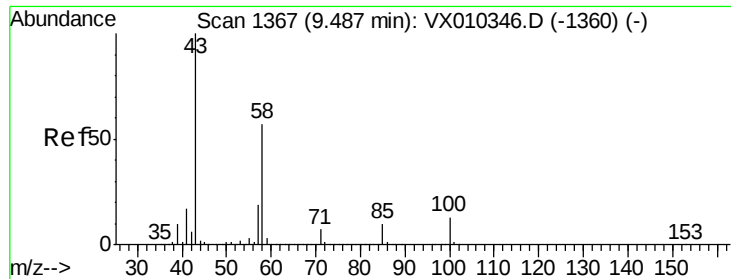
#50
Toluene-d8
Concen: 50.069 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010396.D
Acq: 21 Jun 2019 19:42

Tgt Ion: 98 Resp: 511400
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



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

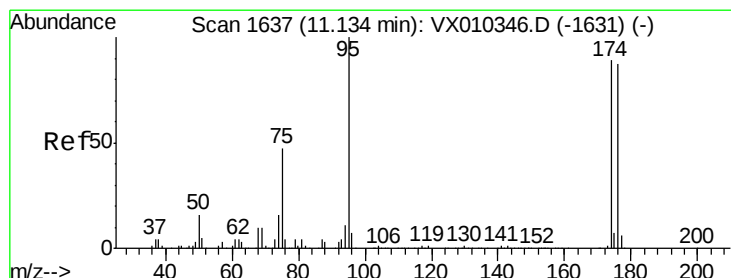
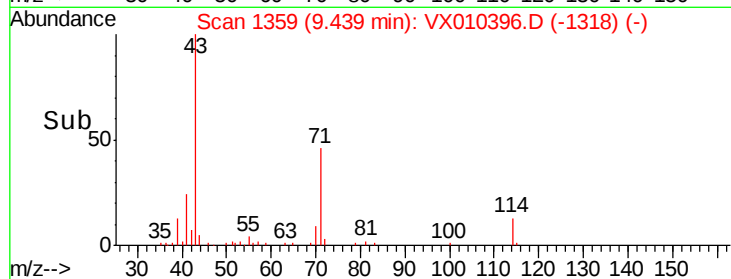
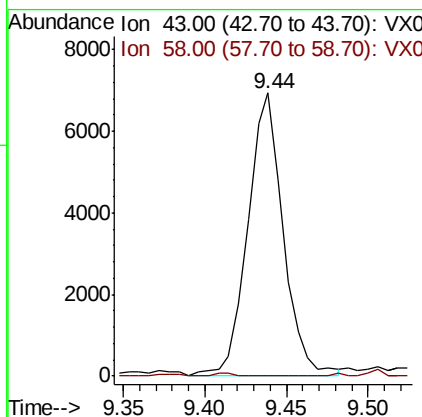
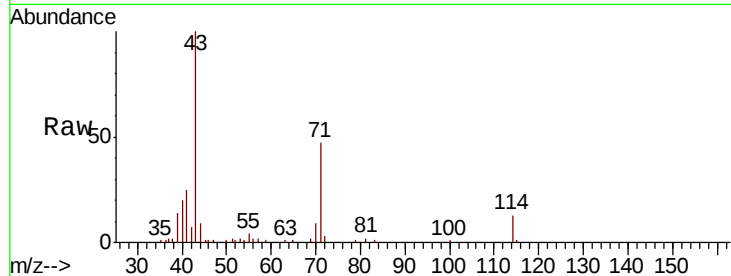




#59
2-Hexanone
Concen: 3.538 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX010396.D
Acq: 21 Jun 2019 19:42

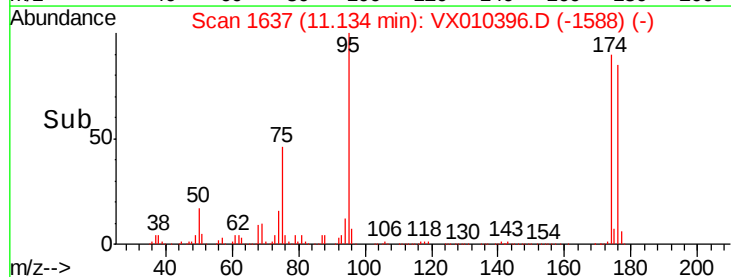
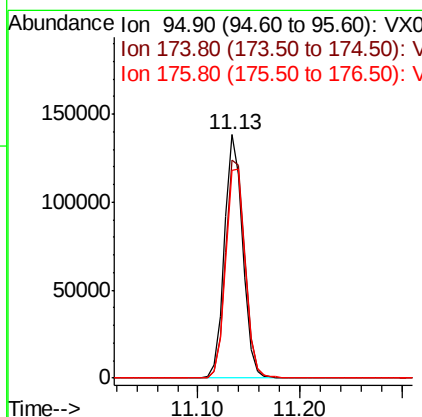
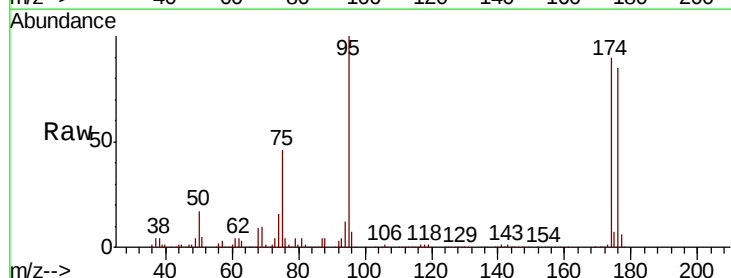
Instrument :
MSVOA_X
ClientSampleId :
W-2

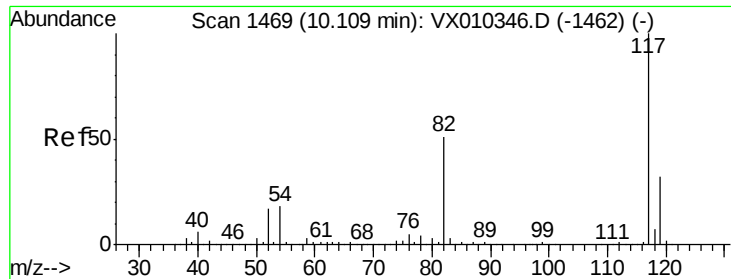
Tot Ion: 43 Resp: 10509
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.756 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010396.D
Acq: 21 Jun 2019 19:42

Tgt Ion: 95 Resp: 172411
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.6
176 91.2 0.0 184.0

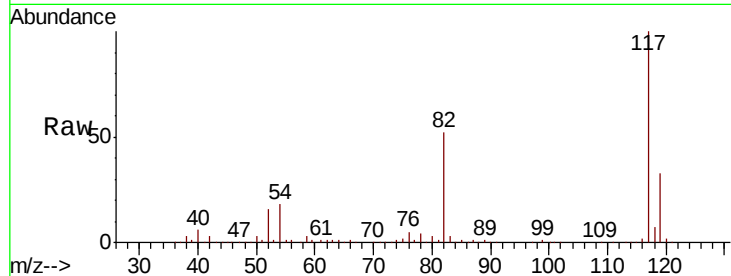




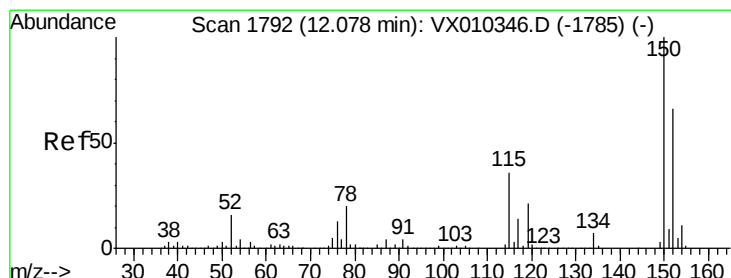
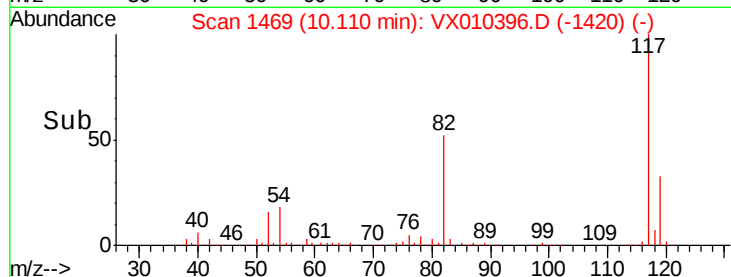
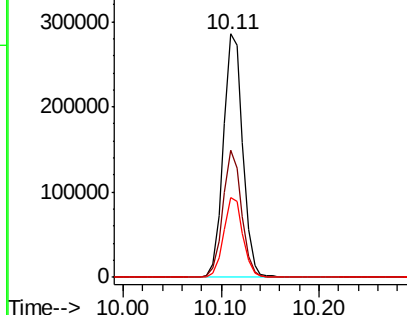
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010396.D
Acq: 21 Jun 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
W-2

Tot Ion:117 Resp: 391115
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 32.9 25.5 38.3

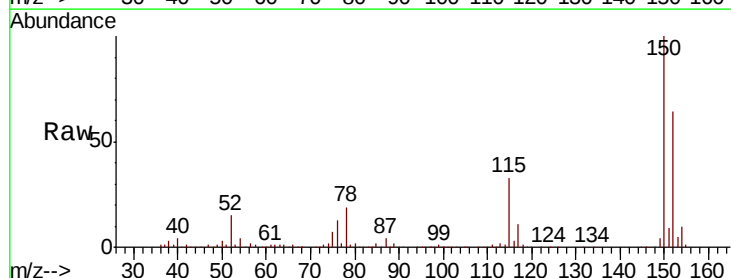


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

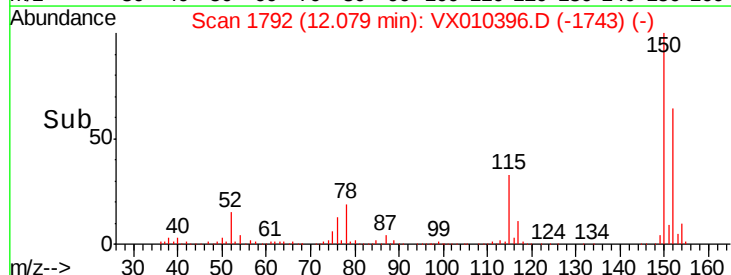
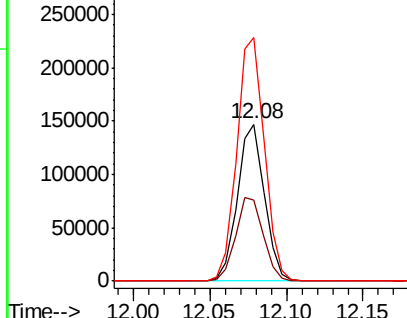


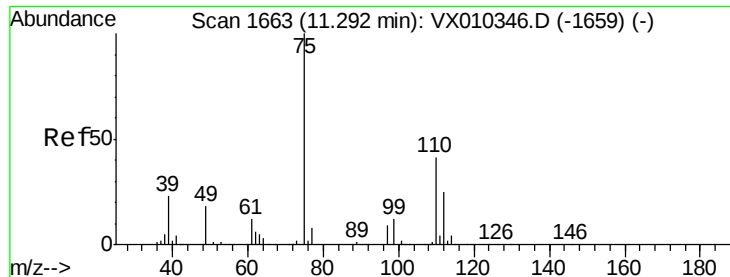
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010396.D
Acq: 21 Jun 2019 19:42

Tgt Ion:152 Resp: 179529
Ion Ratio Lower Upper
152 100
115 54.9 38.6 115.7
150 158.9 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

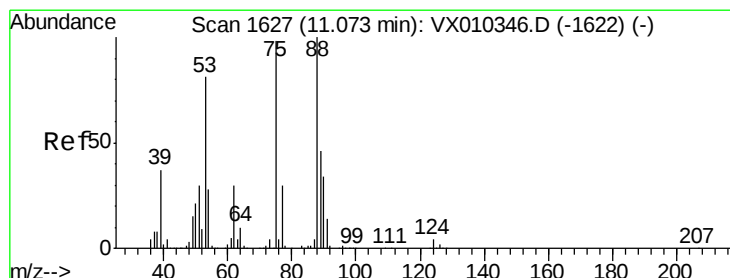
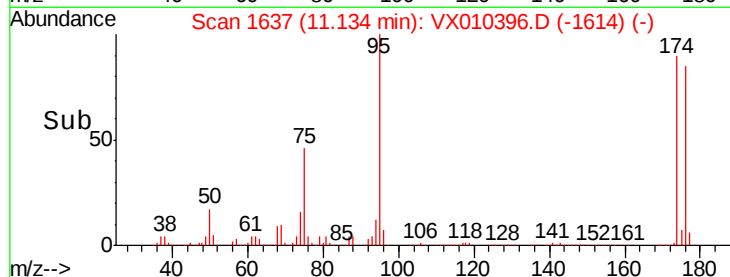
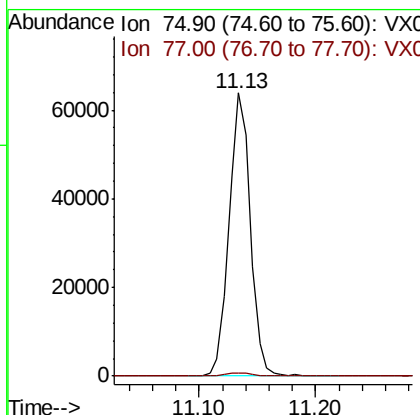
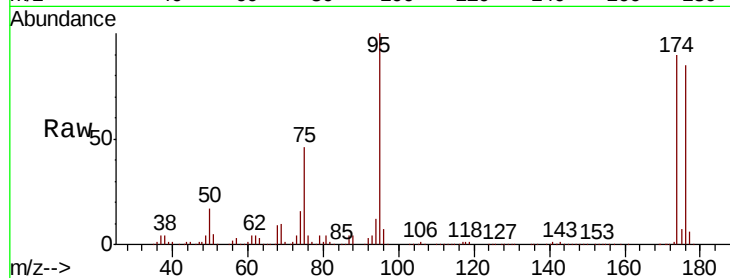




#76
 1,2,3-Trichloropropane
 Concen: 24.780 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010396.D
 Acq: 21 Jun 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 W-2

Tot Ion: 75 Resp: 81067
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.809 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010396.D
 Acq: 21 Jun 2019 19:42

Tgt Ion: 75 Resp: 81067
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

