

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010397.D
 Acq On : 21 Jun 2019 20:05
 Operator : JC/SP
 Sample : K3486-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-3

Quant Time: Jun 21 23:16:02 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	289668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	451920	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	399899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184796	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	136913	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	5.50	113	137254	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	8.71	98	528712	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	174747	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	

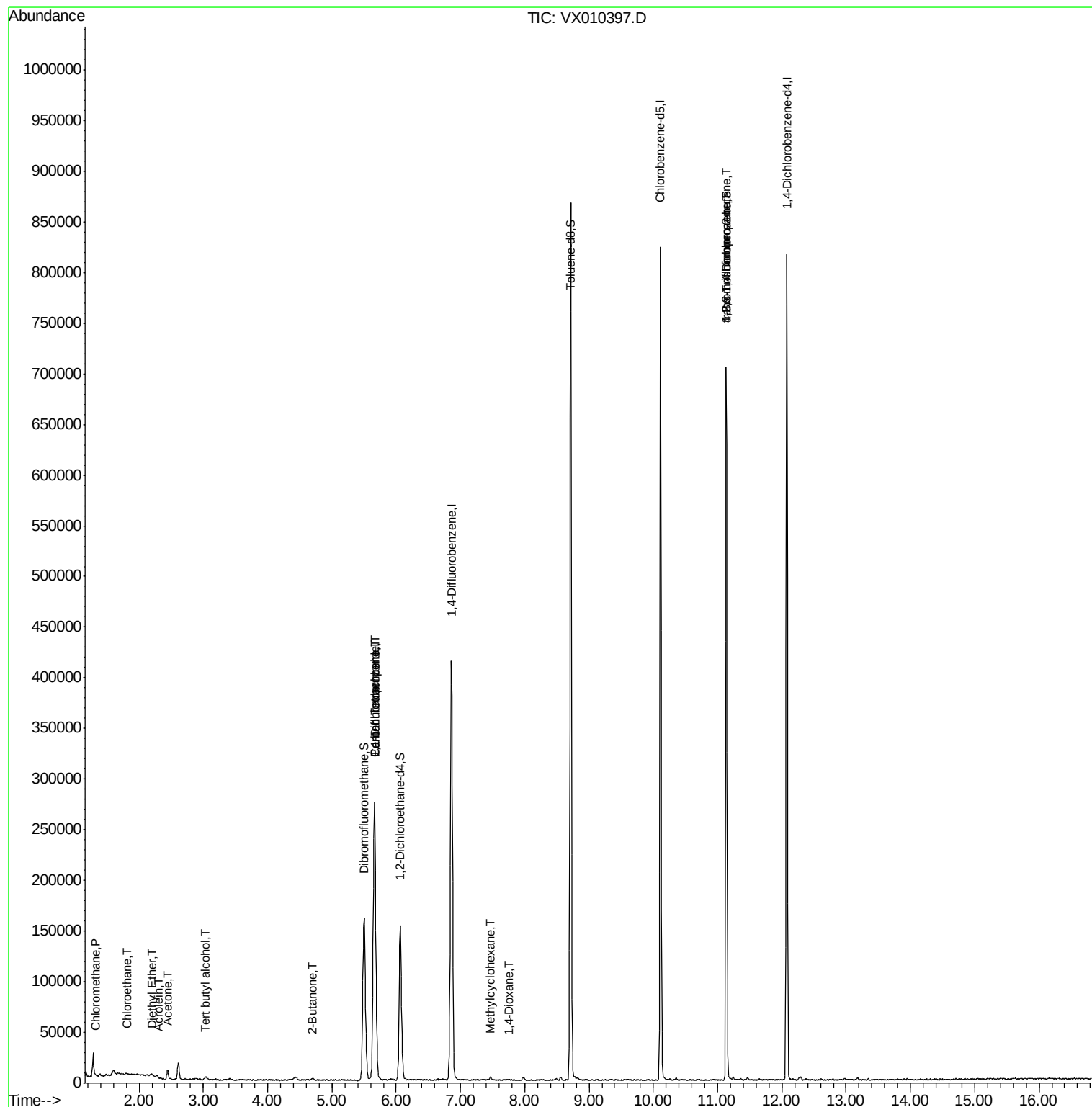
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	479	0.204	ug/l #	76
6) Chloroethane	1.81	64	361	0.238	ug/l	92
8) Diethyl Ether	2.19	74	837	0.573	ug/l	81
11) Tert butyl alcohol	3.04	59	3418	4.810	ug/l #	85
13) Acrolein	2.30	56	161	0.342	ug/l	100
16) Acetone	2.45	43	10001	7.348	ug/l	97
25) 2-Butanone	4.70	43	894	0.448	ug/l	89
36) 1,1-Dichloropropene	5.67	75	18188	5.065	ug/l #	48
38) Carbon Tetrachloride	5.67	117	25394	6.530	ug/l #	15
39) Methylcyclohexane	7.46	83	1343	0.285	ug/l #	71
49) 1,4-Dioxane	7.76	88	19	0.232	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	82200	24.410	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	82200	56.946	ug/l #	16

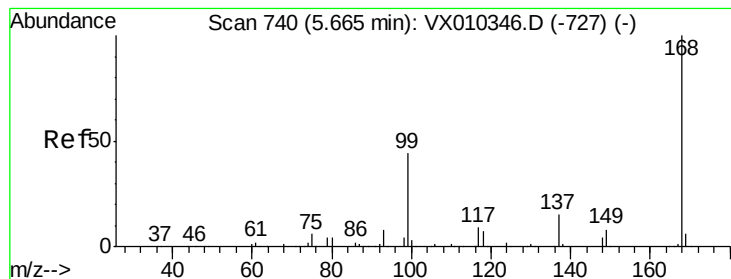
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampled :

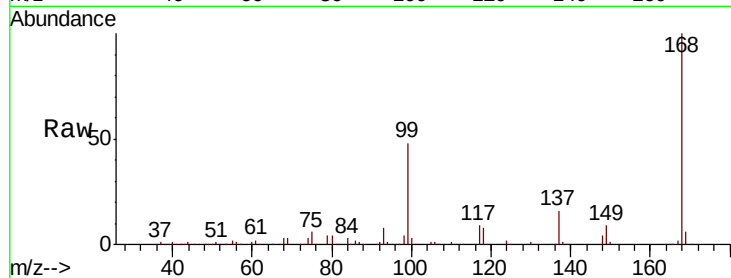
W-3

Tot Ion:168 Resp: 289668

Ion Ratio Lower Upper

168 100

99 48.1 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

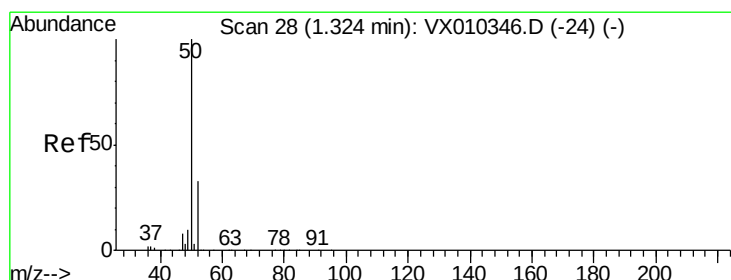
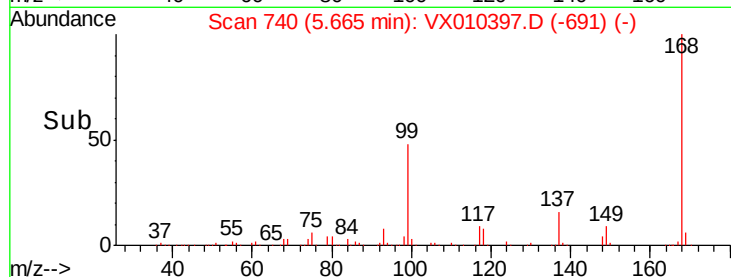
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010397.D

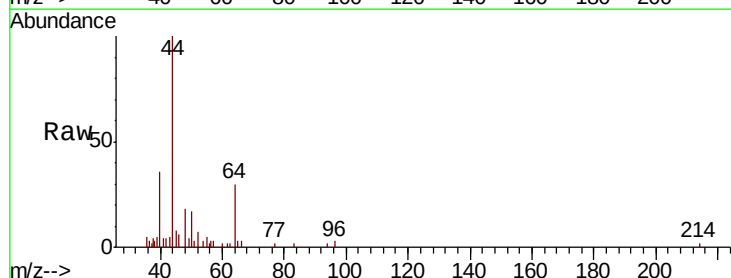
Acq: 21 Jun 2019 20:05

Tgt Ion: 50 Resp: 479

Ion Ratio Lower Upper

50 100

52 46.6 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

500

400

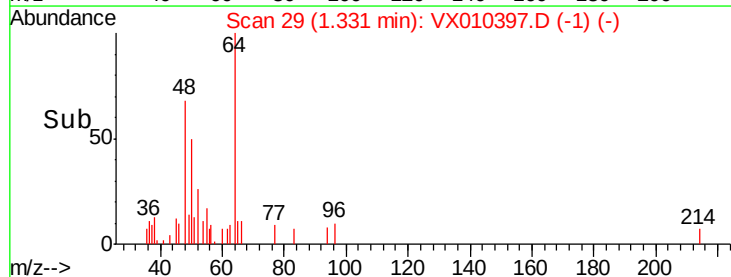
300

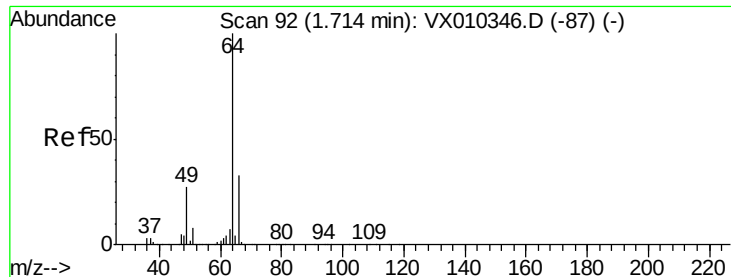
200

100

0

Time--> 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 0.238 ug/l

RT: 1.81 min Scan# 108

Delta R.T. 0.10 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

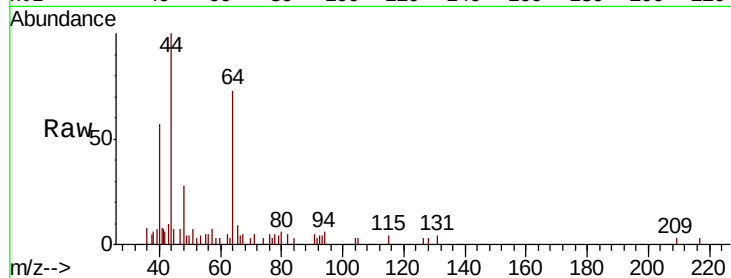
W-3

Tot Ion: 64 Resp: 361

Ion Ratio Lower Upper

64 100

66 28.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1500

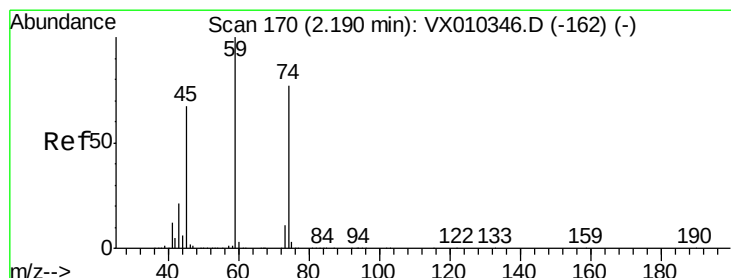
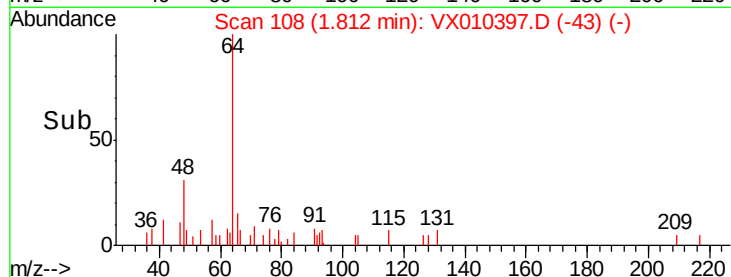
1000

500

0

1.78 1.80 1.82

Time-->



#8

Diethyl Ether

Concen: 0.573 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010397.D

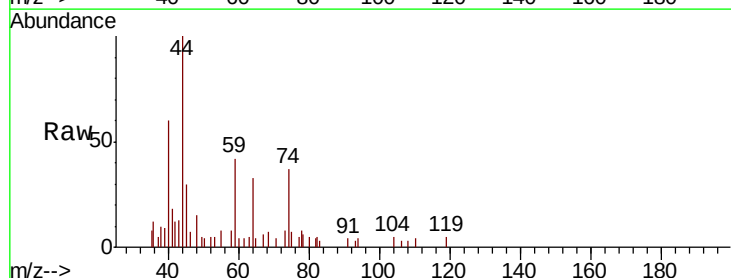
Acq: 21 Jun 2019 20:05

Tgt Ion: 74 Resp: 837

Ion Ratio Lower Upper

74 100

45 107.2 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

600

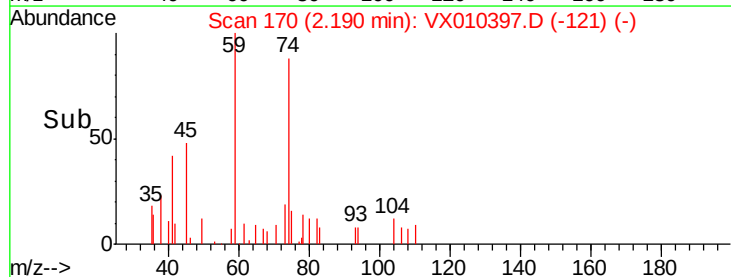
400

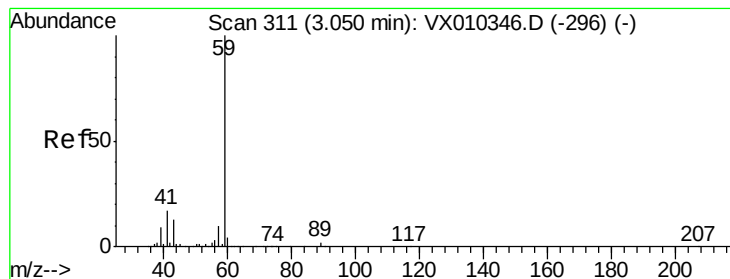
200

0

2.15 2.20 2.25

Time-->





#11

Tert butyl alcohol

Concen: 4.810 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampled :

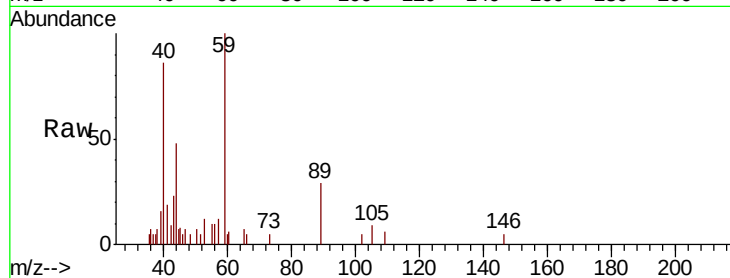
W-3

Tot Ion: 59 Resp: 3418

Ion Ratio Lower Upper

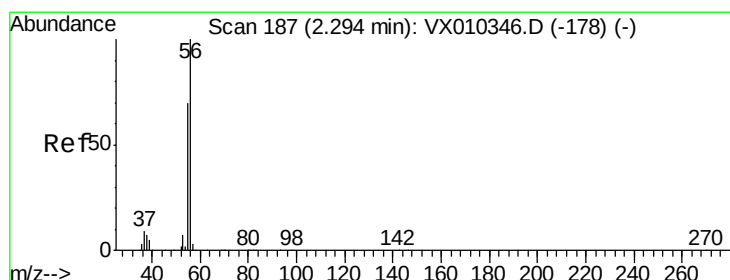
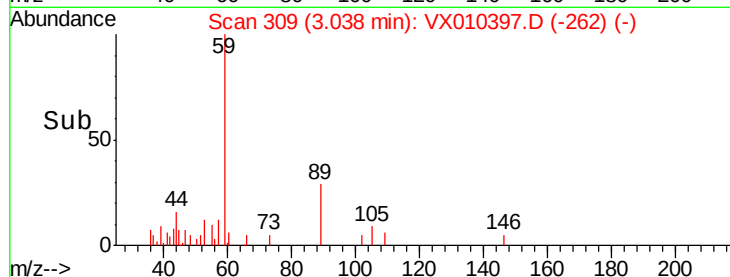
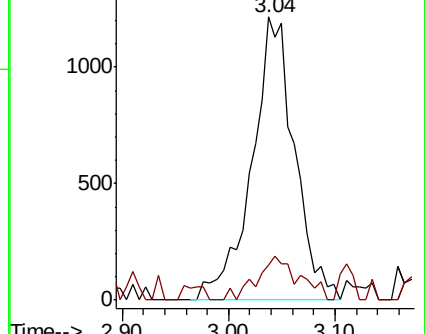
59 100

57 15.2 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: 0.342 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010397.D

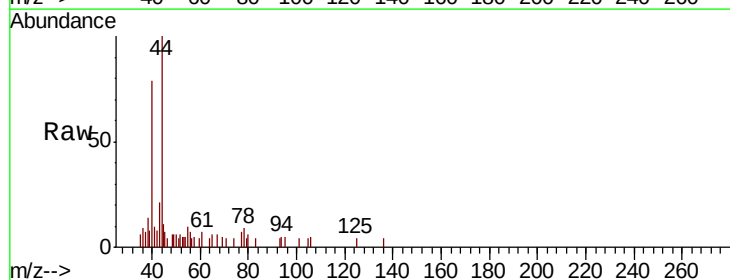
Acq: 21 Jun 2019 20:05

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

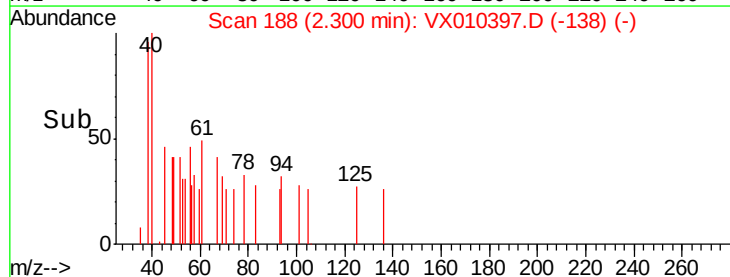
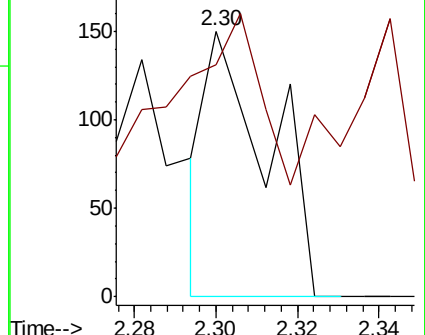
56 100

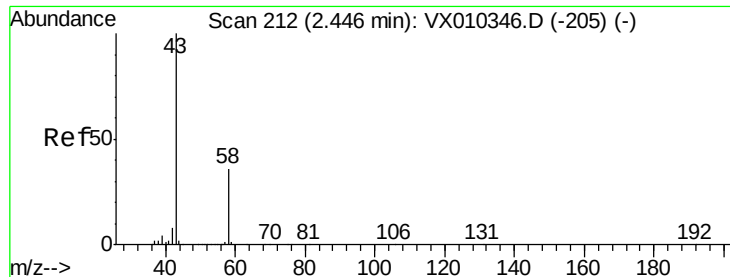
55 71.4 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 7.348 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

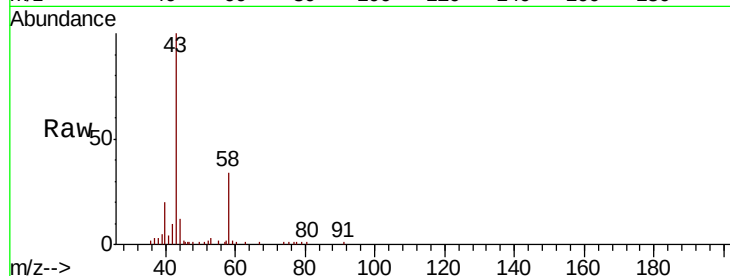
W-3

Tot Ion: 43 Resp: 10001

Ion Ratio Lower Upper

43 100

58 34.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

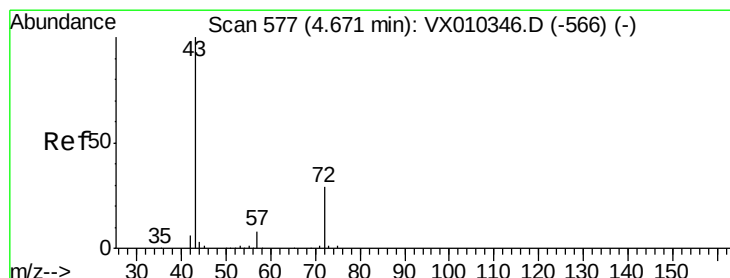
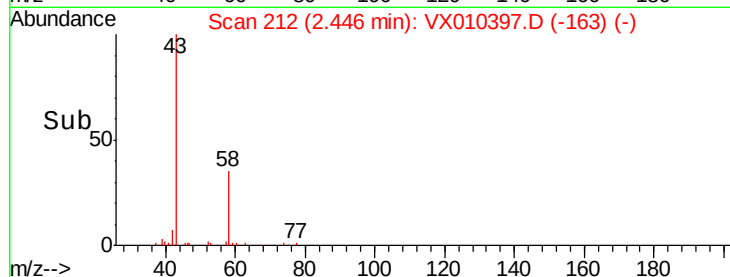
6000

4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#25

2-Butanone

Concen: 0.448 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010397.D

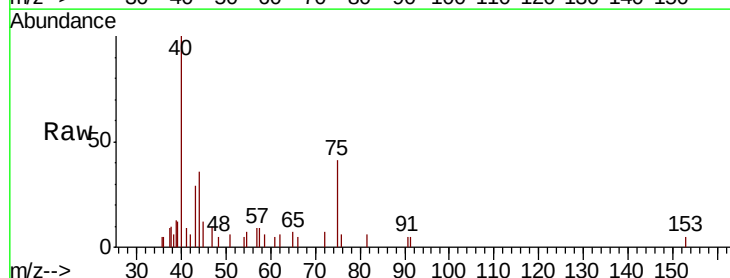
Acq: 21 Jun 2019 20:05

Tgt Ion: 43 Resp: 894

Ion Ratio Lower Upper

43 100

72 34.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

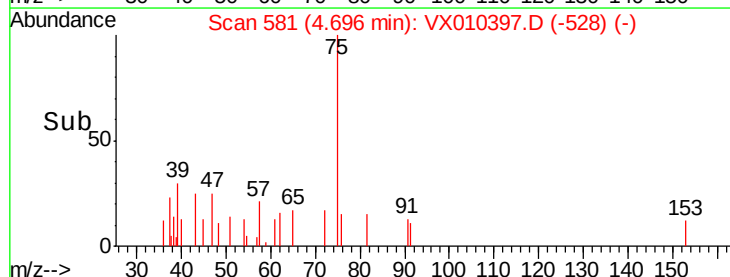
300

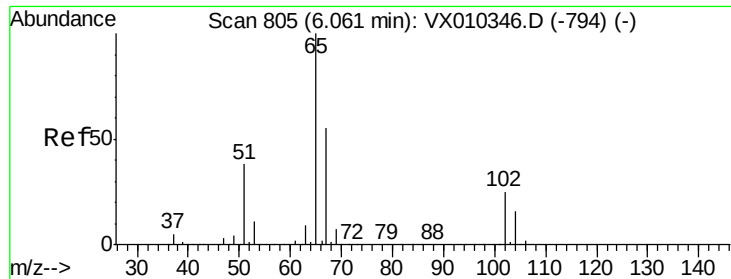
200

100

0

Time--> 4.60 4.65 4.70 4.75 4.80

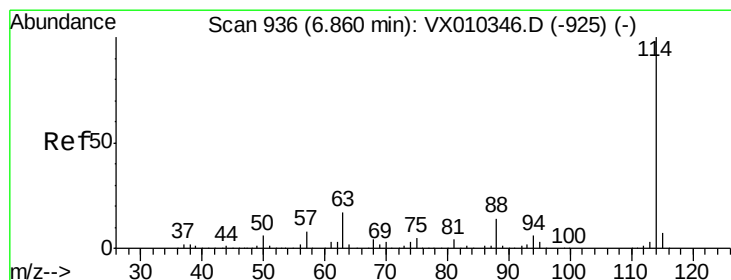
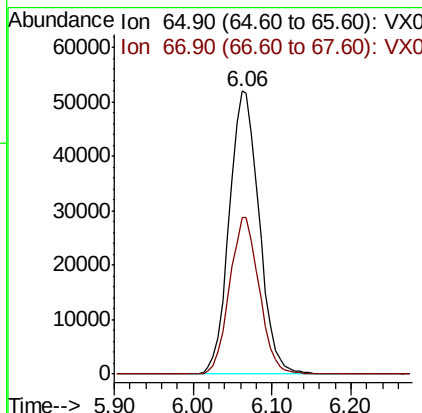
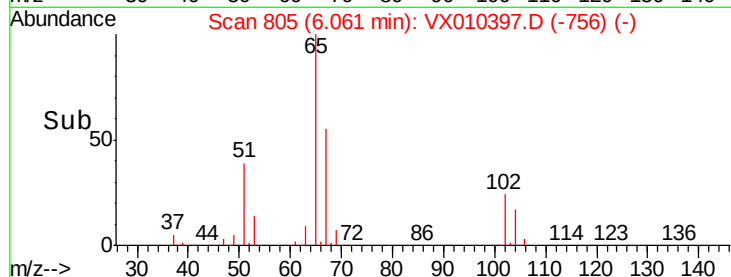
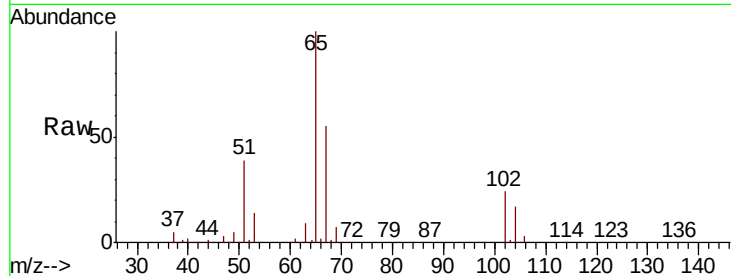




#33
 1,2-Dichloroethane-d4
 Concen: 50.411 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010397.D
 Acq: 21 Jun 2019 20:05

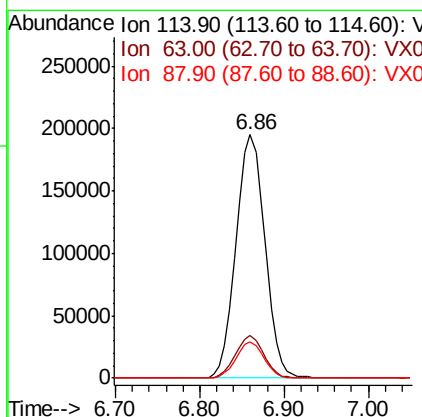
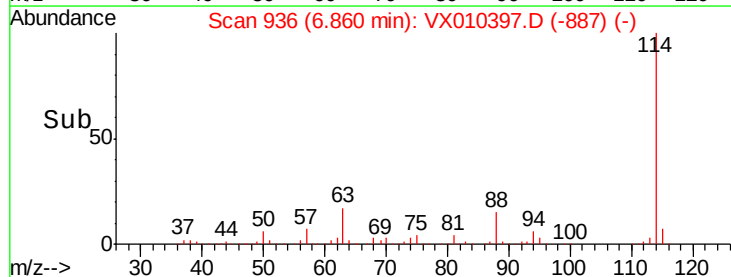
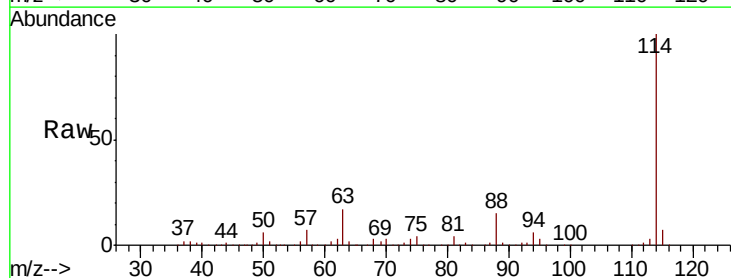
Instrument :
 MSVOA_X
 ClientSampleId :
 W-3

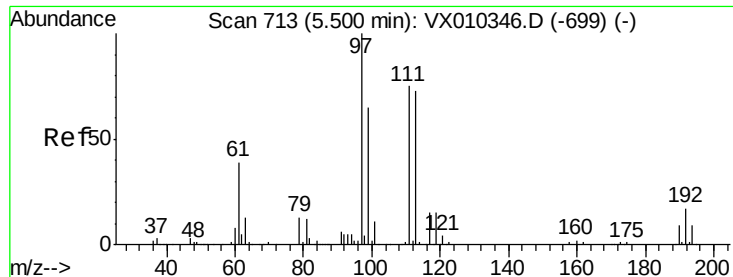
Tot Ion: 65 Resp: 136913
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010397.D
 Acq: 21 Jun 2019 20:05

Tgt Ion: 114 Resp: 451920
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.7 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.640 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

W-3

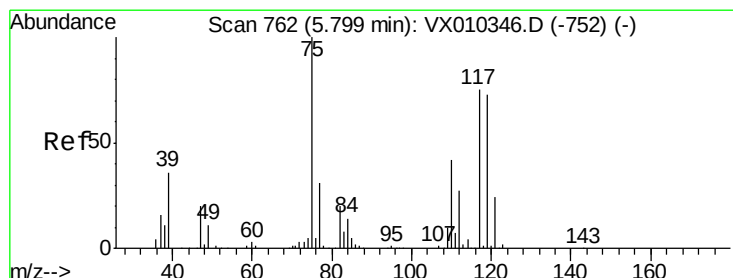
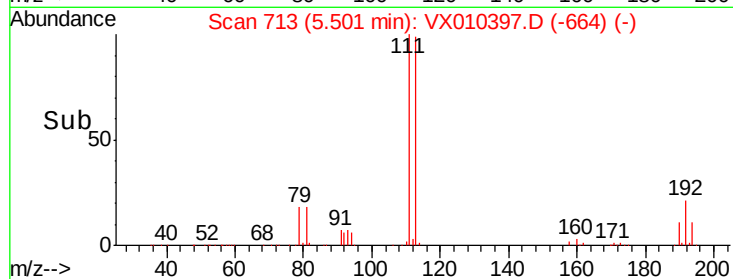
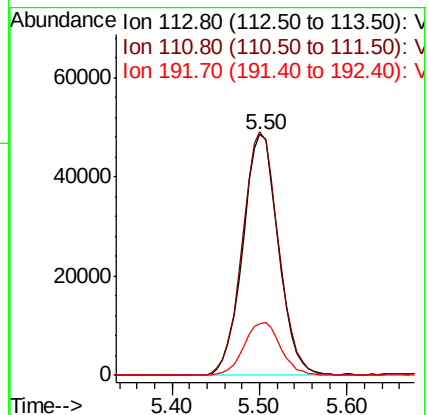
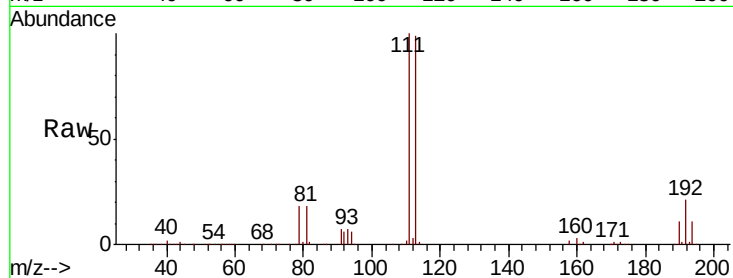
Tot Ion:113 Resp: 137254

Ion Ratio Lower Upper

113 100

111 102.1 81.2 121.8

192 22.5 18.6 27.8



#36

1,1-Dichloropropene

Concen: 5.065 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

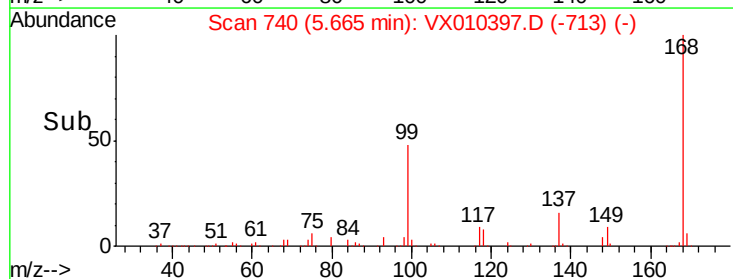
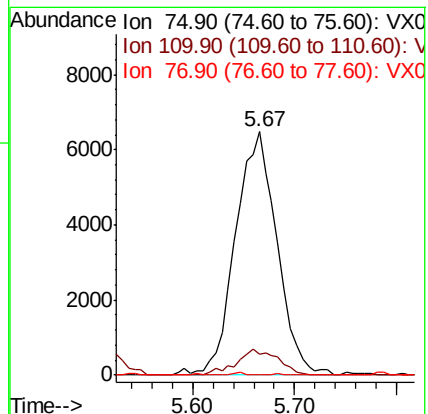
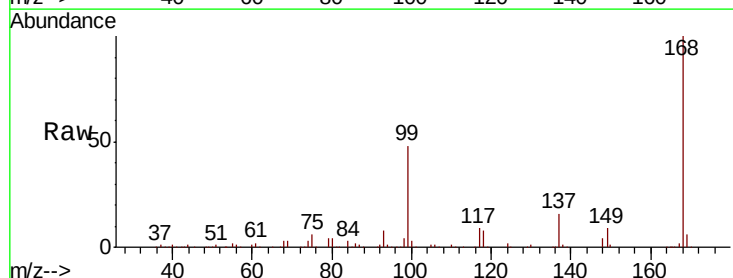
Tgt Ion: 75 Resp: 18188

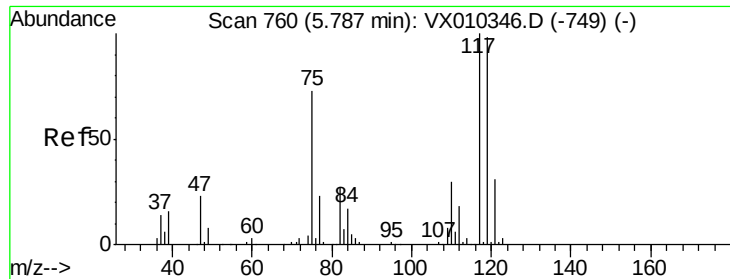
Ion Ratio Lower Upper

75 100

110 10.7 20.8 62.2#

77 0.2 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.530 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampled :

W-3

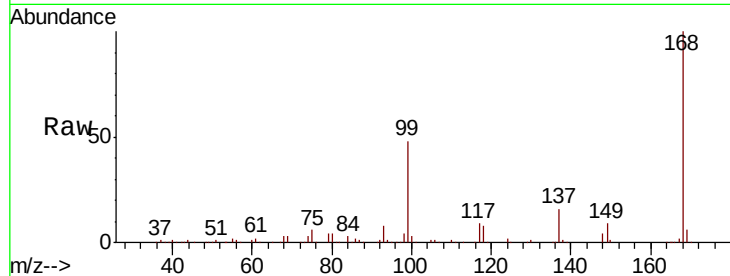
Tot Ion:117 Resp: 25394

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

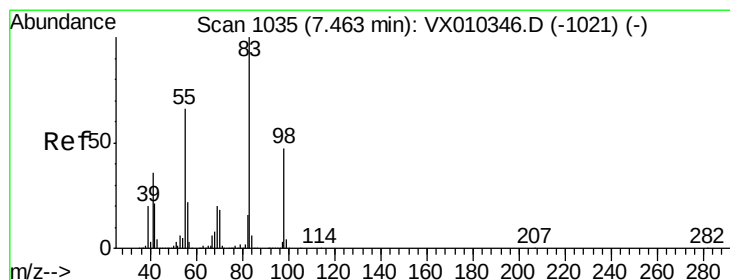
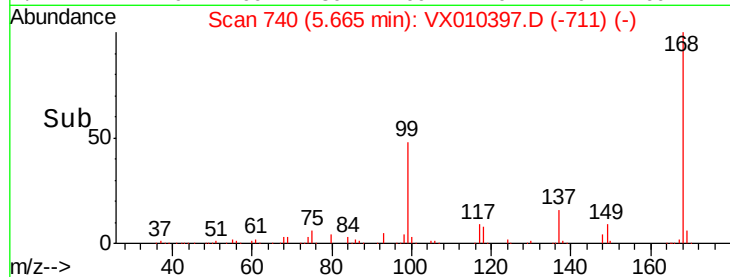
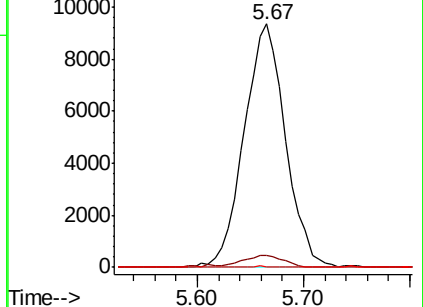
121 0.0 24.7 37.1#



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: 0.285 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

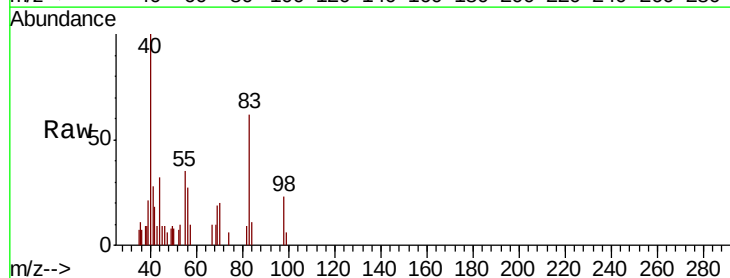
Tgt Ion: 83 Resp: 1343

Ion Ratio Lower Upper

83 100

55 33.9 53.0 79.6#

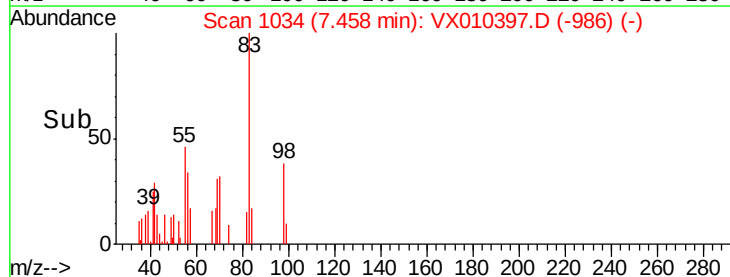
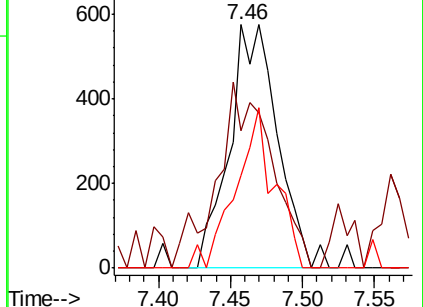
98 38.1 37.8 56.8

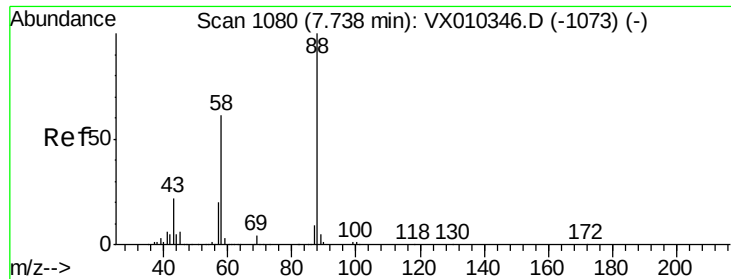


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#49

1,4-Dioxane

Concen: 0.232 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

W-3

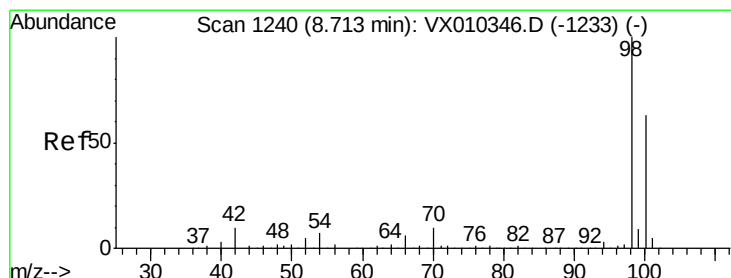
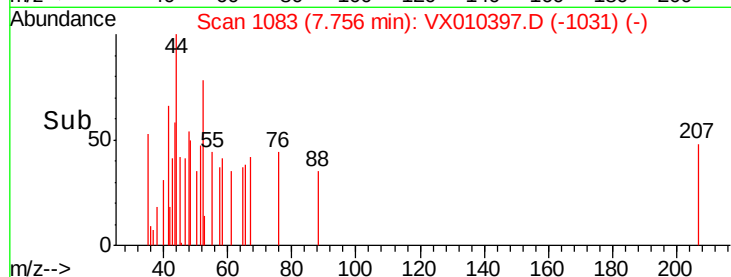
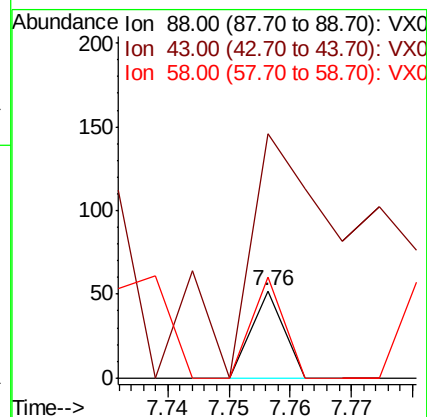
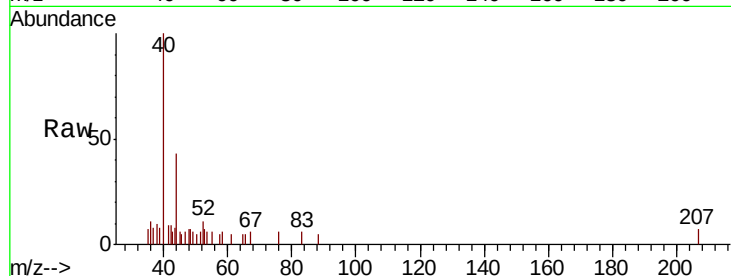
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1121.1 20.2 30.2#

58 115.8 49.5 74.3#



#50

Toluene-d8

Concen: 49.980 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010397.D

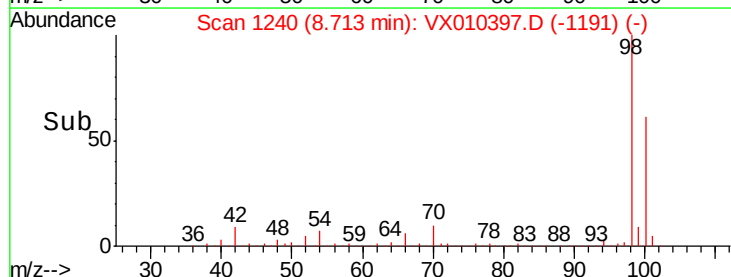
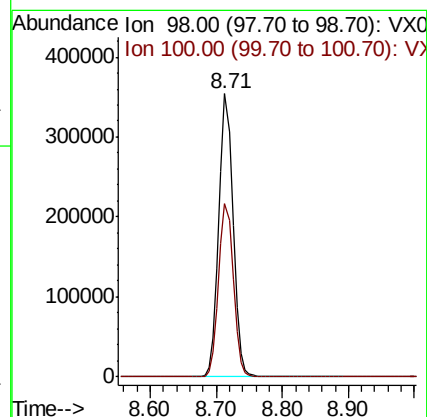
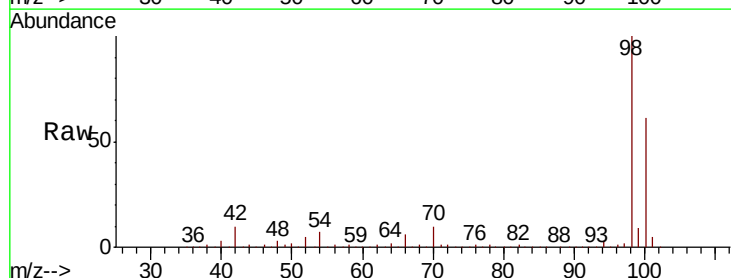
Acq: 21 Jun 2019 20:05

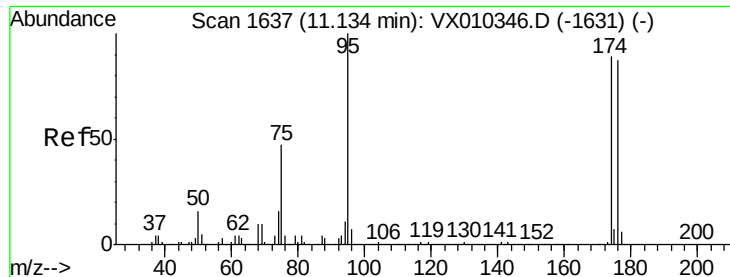
Tgt Ion: 98 Resp: 528712

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 45.756 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampled :

W-3

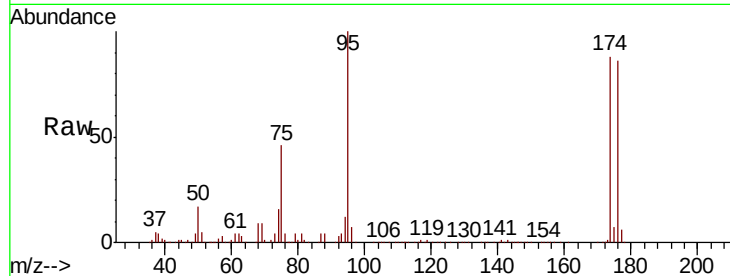
Tot Ion: 95 Resp: 174747

Ion Ratio Lower Upper

95 100

174 93.5 0.0 187.6

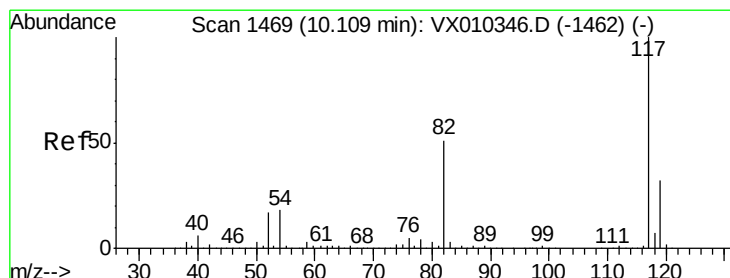
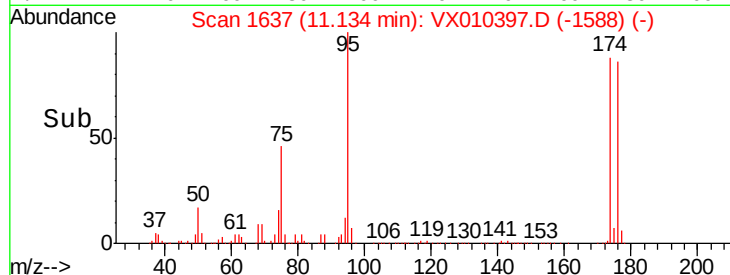
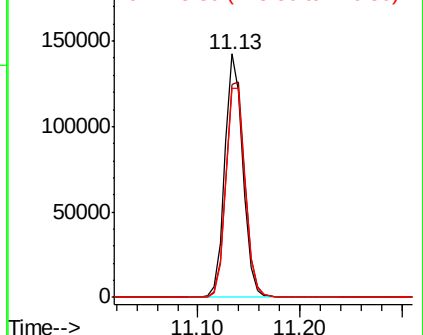
176 90.9 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010397.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010397.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010397.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

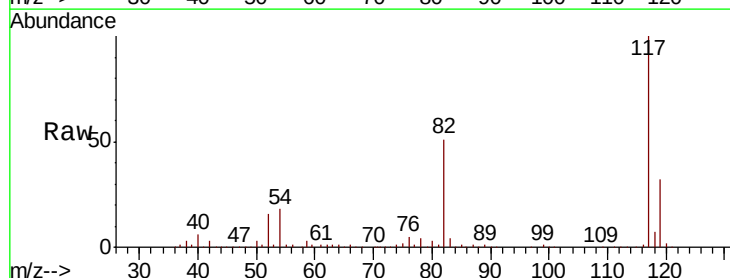
Tgt Ion: 117 Resp: 399899

Ion Ratio Lower Upper

117 100

82 50.5 41.2 61.8

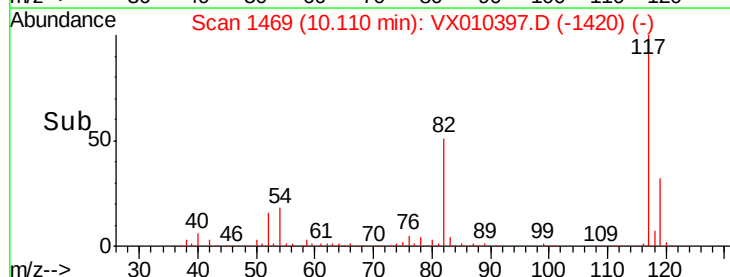
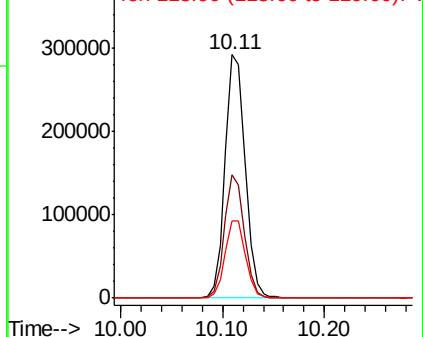
119 31.7 25.5 38.3

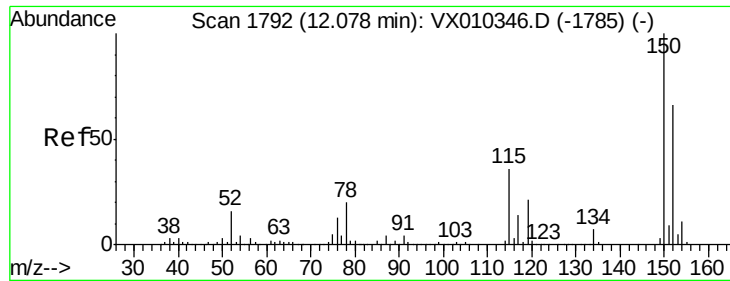


Abundance Ion 116.90 (116.60 to 117.60): VX010397.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010397.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010397.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampled :

W-3

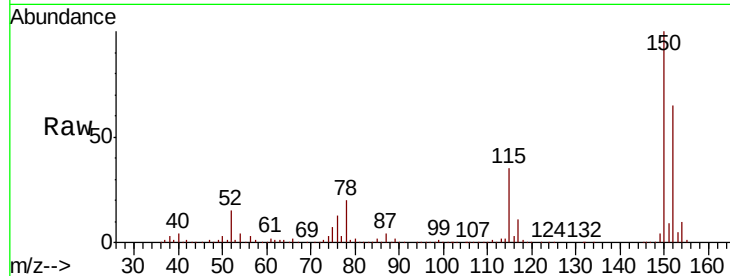
Tot Ion:152 Resp: 184796

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

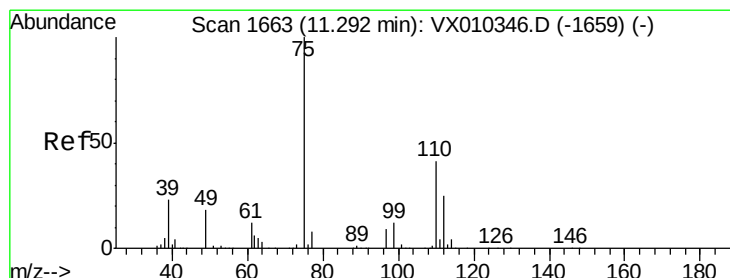
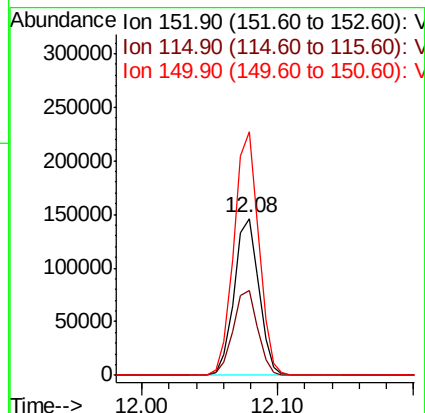
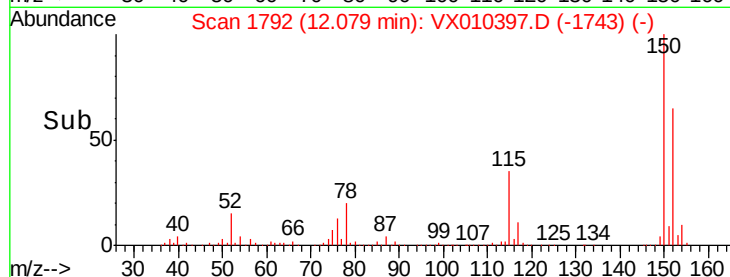
150 156.4 0.0 347.4



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: 24.410 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010397.D

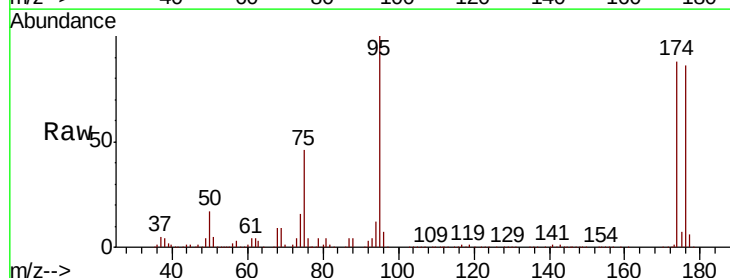
Acq: 21 Jun 2019 20:05

Tgt Ion: 75 Resp: 82200

Ion Ratio Lower Upper

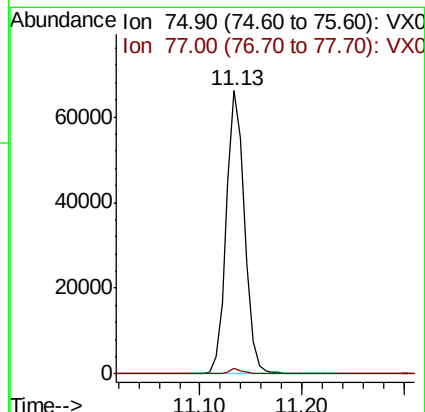
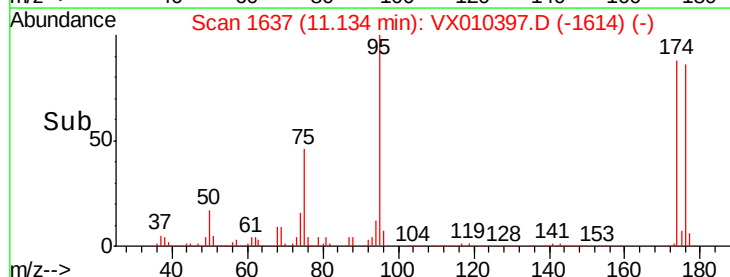
75 100

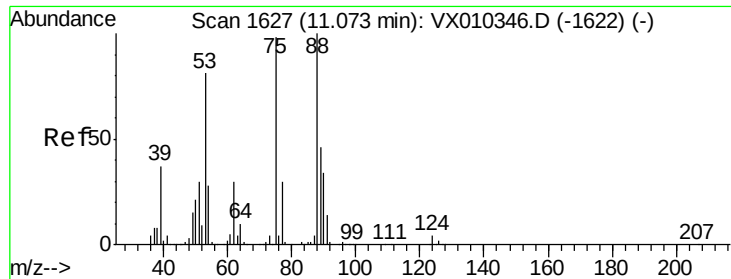
77 1.5 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.946 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010397.D

Acq: 21 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

W-3

Tot Ion: 75 Resp: 82200

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.1 37.8 56.6#

