

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010458.D
 Acq On : 26 Jun 2019 13:26
 Operator : JC/SP
 Sample : K3527-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 01:12:03 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	255543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	395434	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	356095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162667	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	122659	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
35) Dibromofluoromethane	5.50	113	119375	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	465547	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	153368	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	

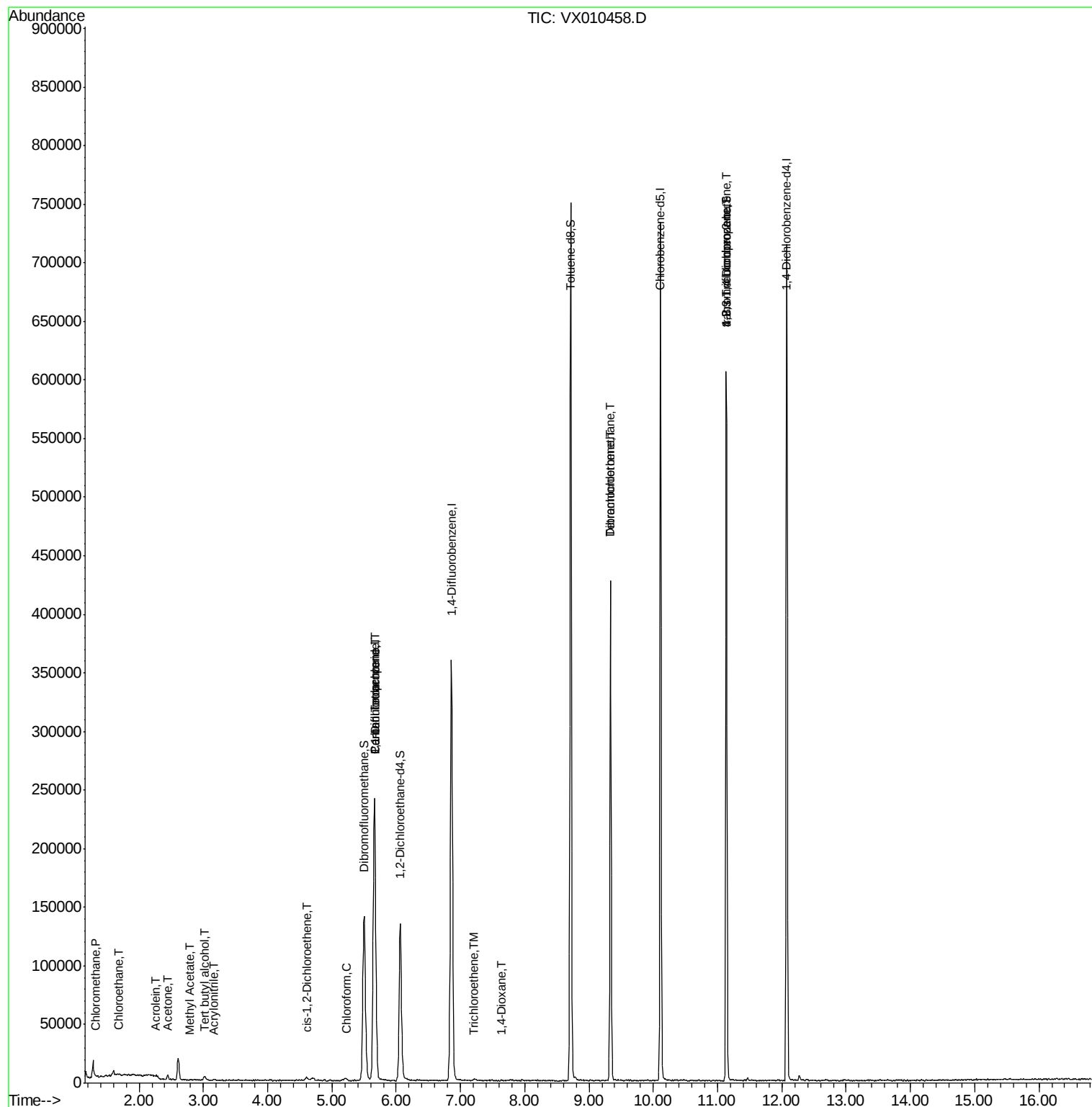
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	458	0.221	ug/l #	75
6) Chloroethane	1.70	64	1424	1.065	ug/l #	43
11) Tert butyl alcohol	3.01	59	2198	3.506	ug/l	97
13) Acrolein	2.27	56	519	1.248	ug/l #	70
15) Acrylonitrile	3.15	53	255	0.205	ug/l #	45
16) Acetone	2.45	43	4232	3.524	ug/l	91
18) Methyl Acetate	2.79	43	500	0.209	ug/l #	56
27) cis-1,2-Dichloroethene	4.60	96	1438	0.522	ug/l	93
30) Chloroform	5.22	83	1964	0.480	ug/l #	74
36) 1,1-Dichloropropene	5.67	75	15655	4.982	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22583	6.637	ug/l #	16
44) Trichloroethene	7.20	130	616	0.210	ug/l	79
49) 1,4-Dioxane	7.63	88	25	0.349	ug/l #	1
60) Dibromochloromethane	9.34	129	78238	26.280	ug/l #	11
64) Tetrachloroethene	9.34	164	85154	29.565	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	71803	24.223	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71803	56.510	ug/l #	16

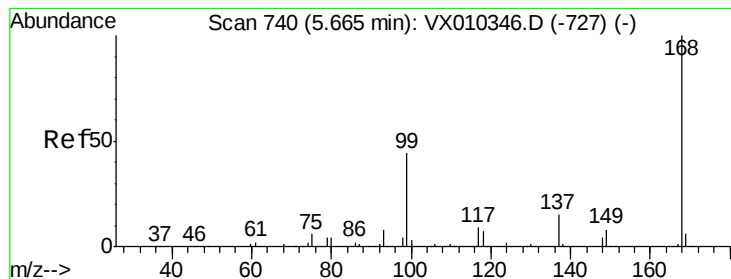
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010458.D

Acq: 26 Jun 2019 13:26

Instrument :

MSVOA_X

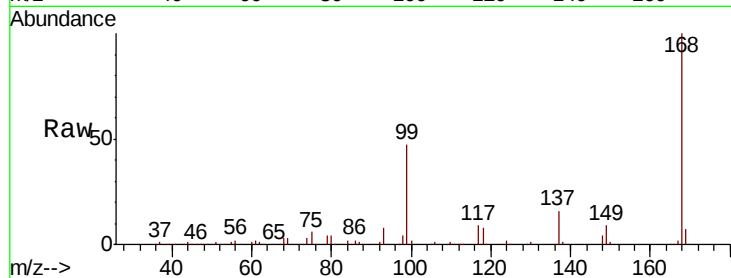
ClientSampleId :

Tot Ion:168 Resp: 255543

Ion Ratio Lower Upper

168 100

99 47.4 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

100000

80000

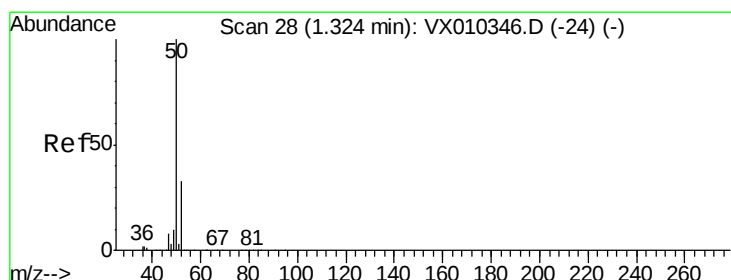
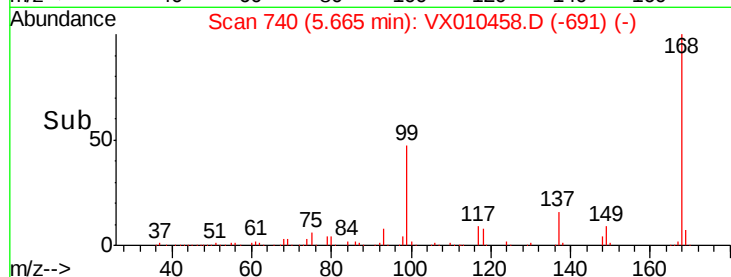
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.221 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010458.D

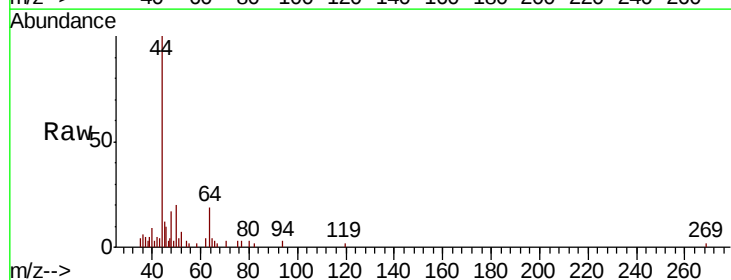
Acq: 26 Jun 2019 13:26

Tgt Ion: 50 Resp: 458

Ion Ratio Lower Upper

50 100

52 47.4 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

500

400

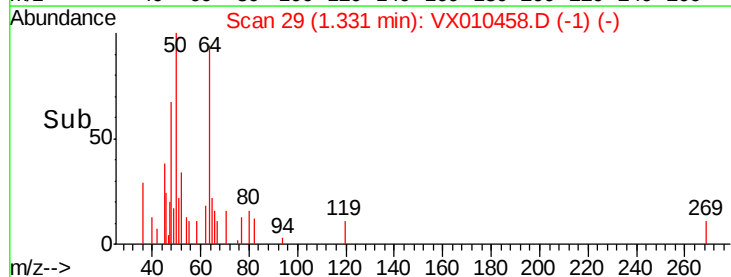
300

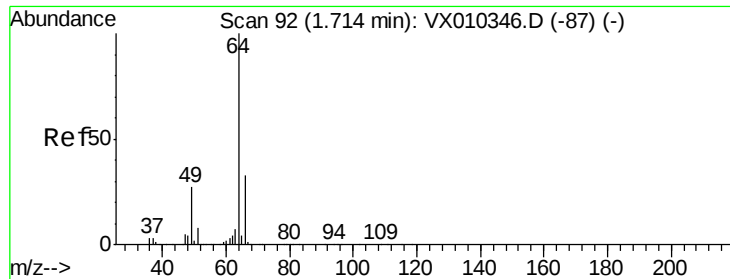
200

100

0

Time--> 1.28 1.30 1.32 1.34





#6

Chloroethane

Concen: 1.065 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010458.D

Acq: 26 Jun 2019 13:26

Instrument :

MSVOA_X

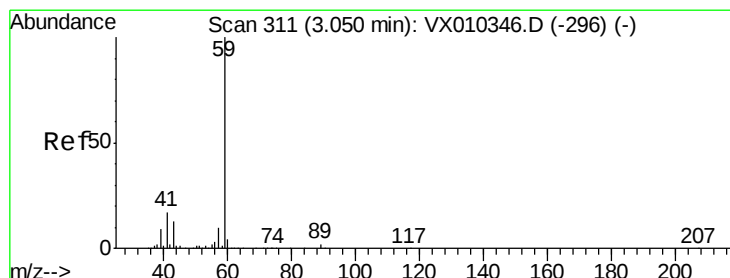
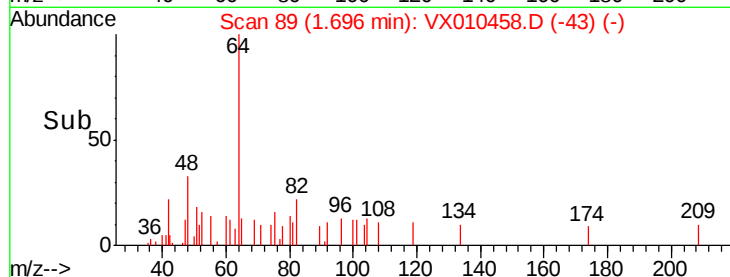
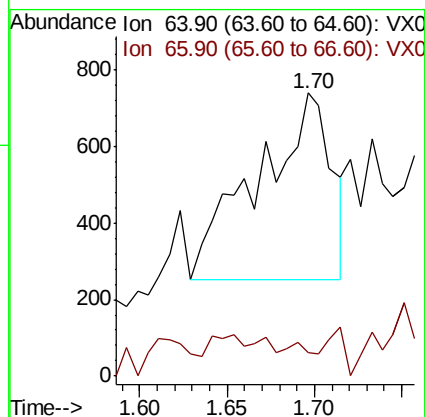
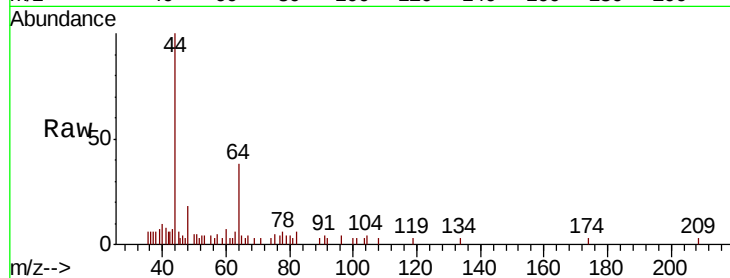
ClientSampled :

Tot Ion: 64 Resp: 1424

Ion Ratio Lower Upper

64 100

66 1.0 26.6 40.0#



#11

Tert butyl alcohol

Concen: 3.506 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010458.D

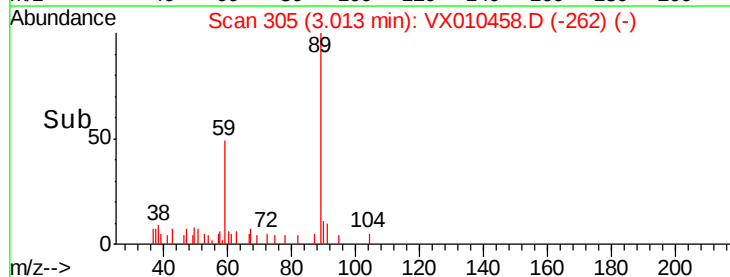
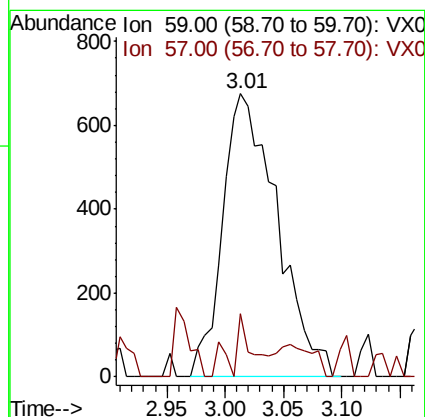
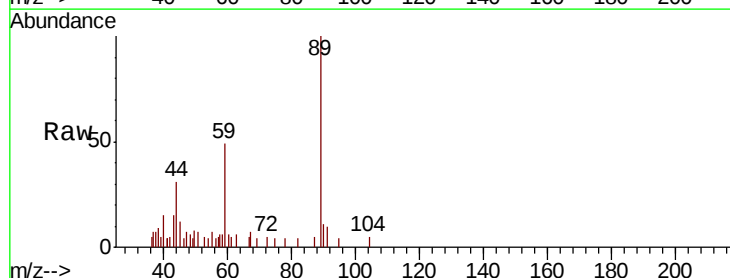
Acq: 26 Jun 2019 13:26

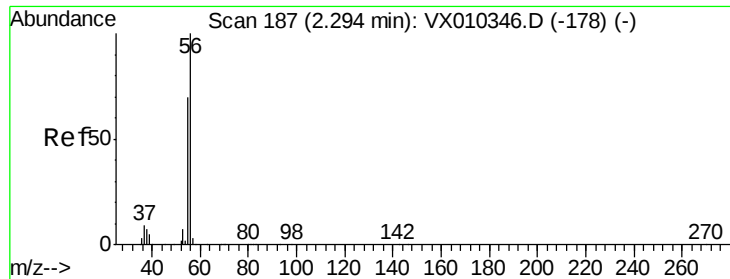
Tgt Ion: 59 Resp: 2198

Ion Ratio Lower Upper

59 100

57 8.4 7.7 11.5





#13

Acrolein

Concen: 1.248 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX010458.D

Acq: 26 Jun 2019 13:26

Instrument :

MSVOA_X

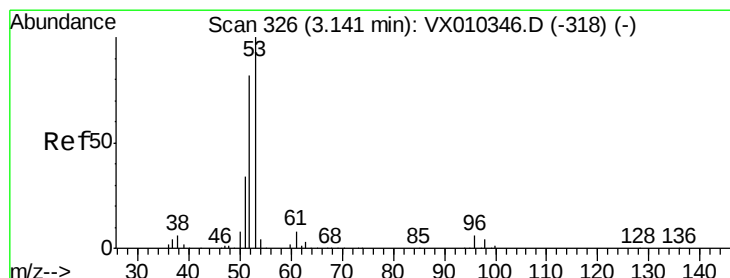
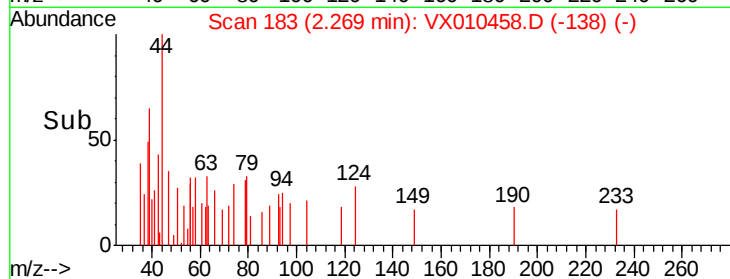
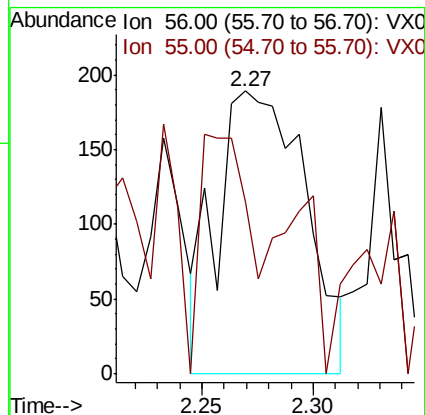
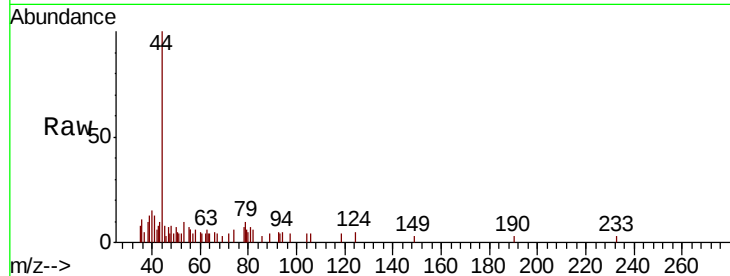
ClientSampled :

Tot Ion: 56 Resp: 519

Ion Ratio Lower Upper

56 100

55 46.1 56.9 85.3#



#15

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010458.D

Acq: 26 Jun 2019 13:26

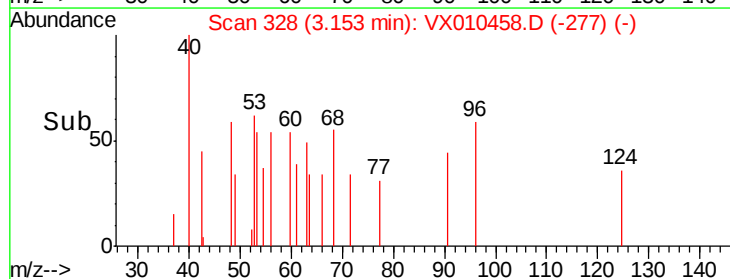
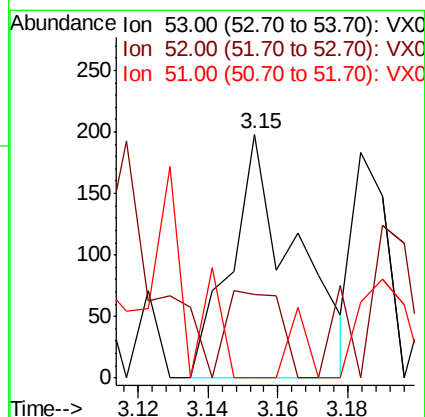
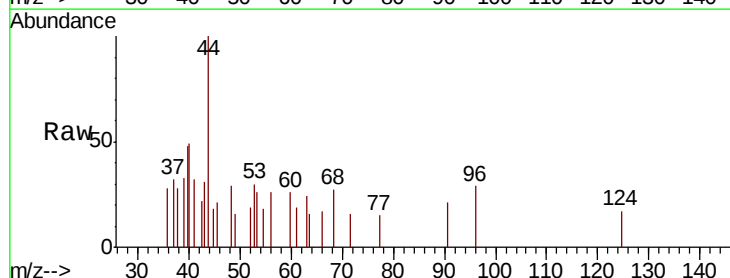
Tgt Ion: 53 Resp: 255

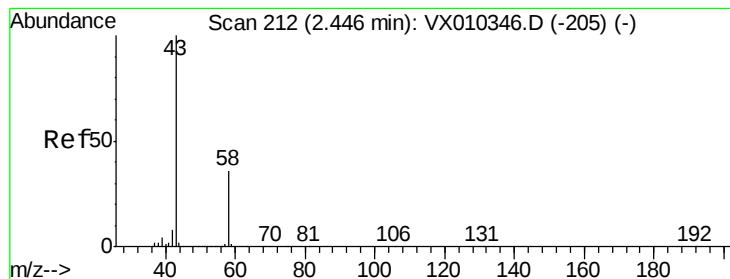
Ion Ratio Lower Upper

53 100

52 29.4 65.5 98.3#

51 8.2 28.2 42.4#





#16

Acetone

Concen: 3.524 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010458.D

Acq: 26 Jun 2019 13:26

Instrument :

MSVOA_X

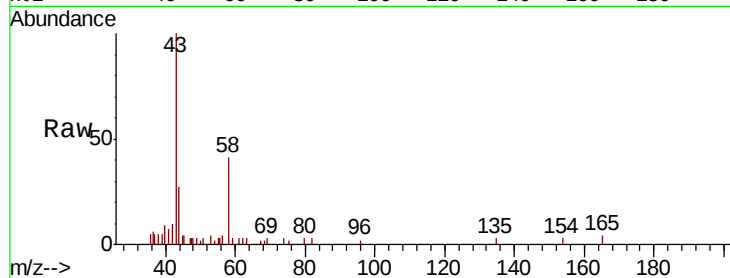
ClientSampleId :

Tot Ion: 43 Resp: 4232

Ion Ratio Lower Upper

43 100

58 41.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

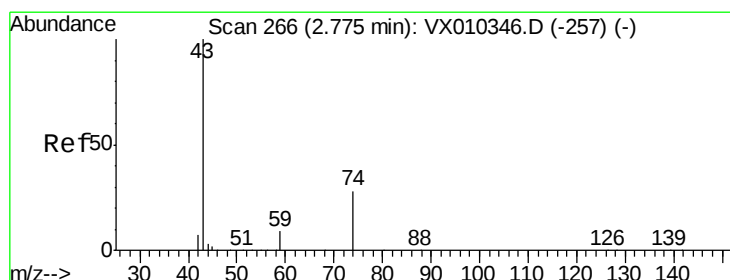
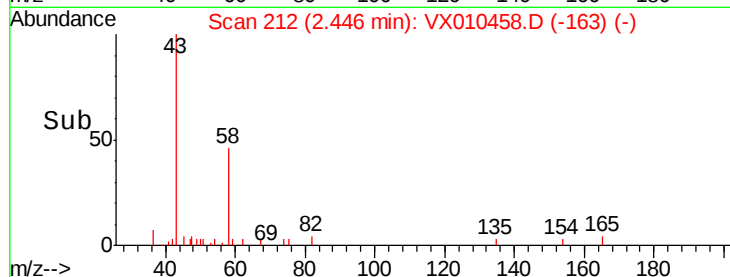
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 0.209 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX010458.D

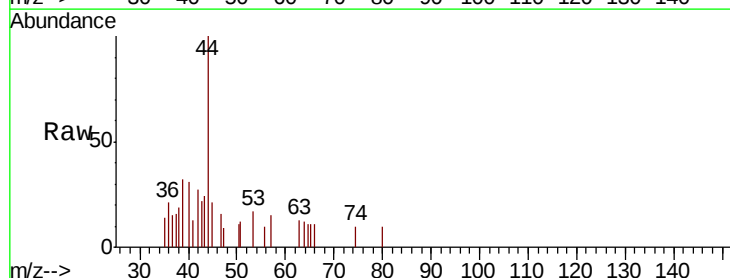
Acq: 26 Jun 2019 13:26

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

74 3.8 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

250

200

150

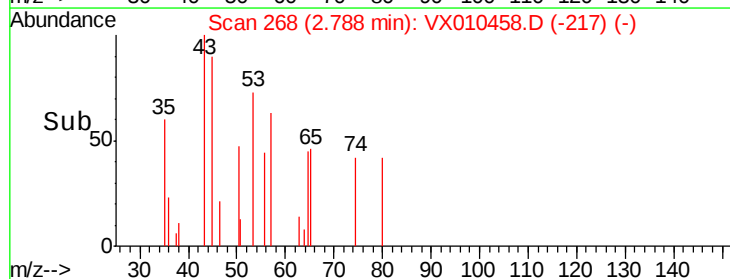
100

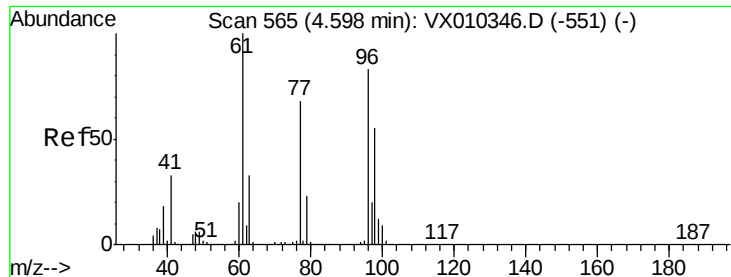
50

0

2.75 2.80

Time-->



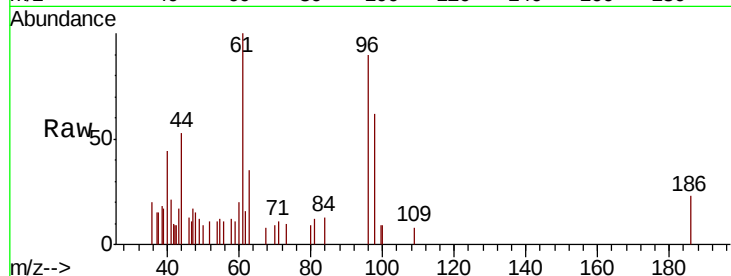


#27

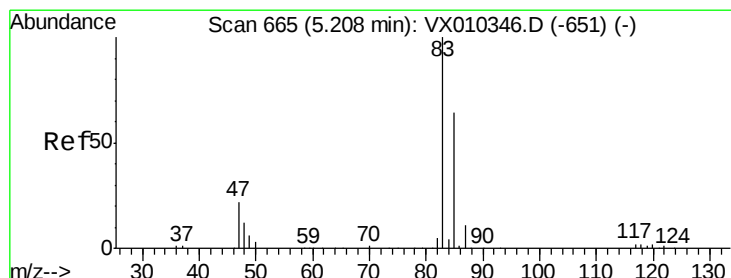
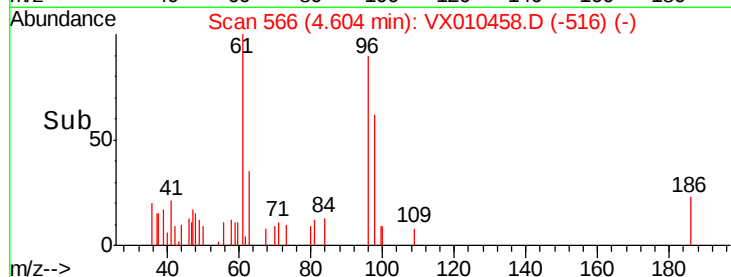
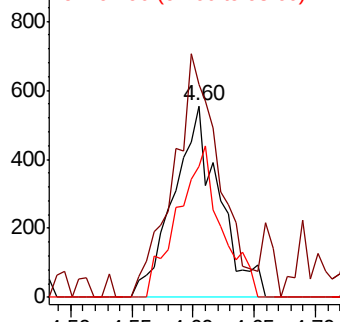
cis-1,2-Dichloroethene
 Concen: 0.522 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 1438
 Ion Ratio Lower Upper
 96 100
 61 129.4 0.0 251.8
 98 76.3 0.0 129.4



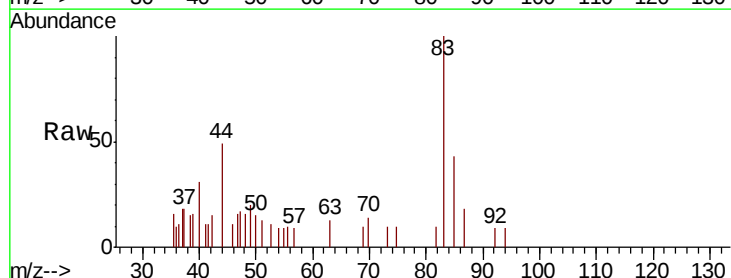
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



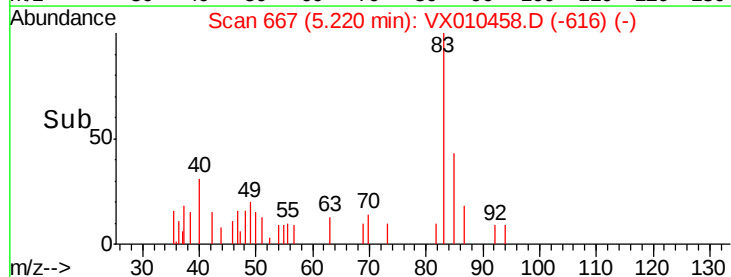
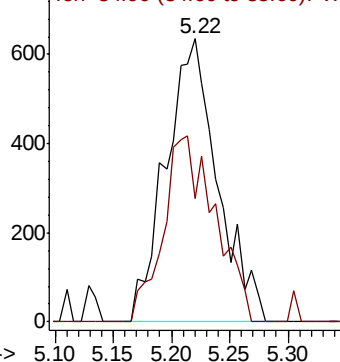
#30

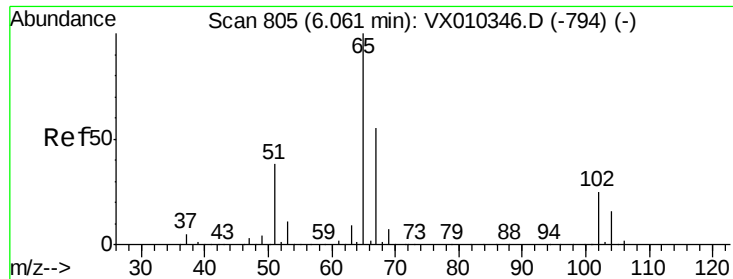
Chloroform
 Concen: 0.480 ug/l
 RT: 5.22 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

Tgt Ion: 83 Resp: 1964
 Ion Ratio Lower Upper
 83 100
 85 43.5 50.9 76.3#



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

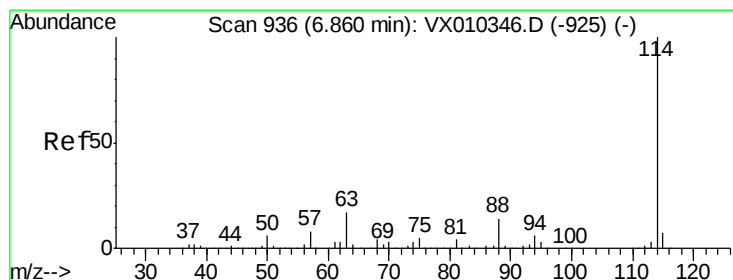
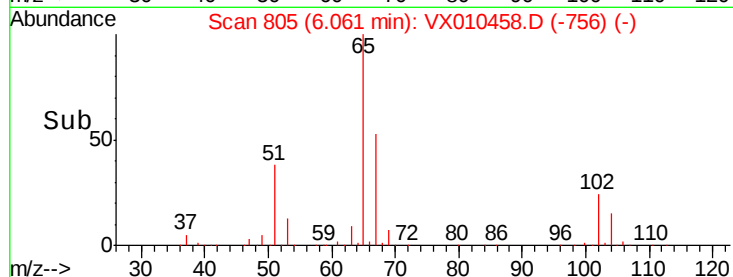
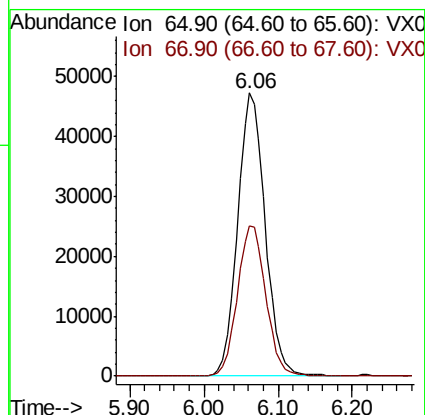
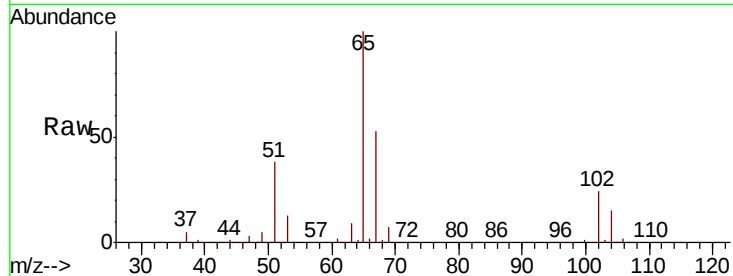




#33
 1,2-Dichloroethane-d4
 Concen: 51.194 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

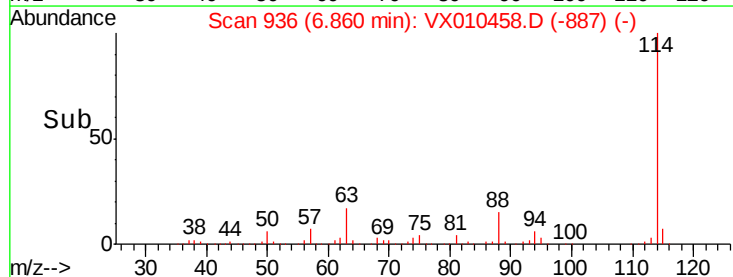
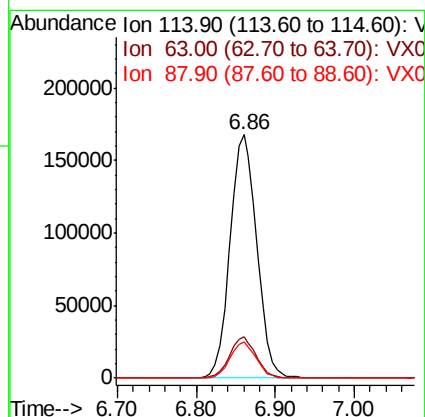
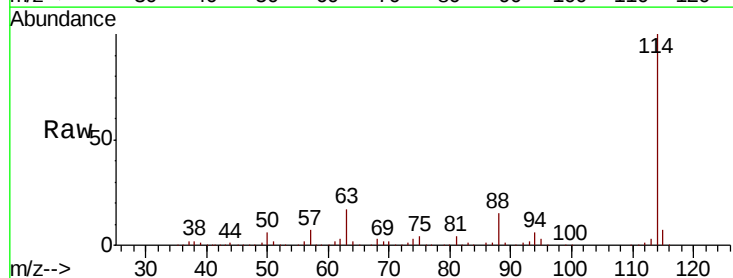
Instrument :
 MSVOA_X
 ClientSampled :

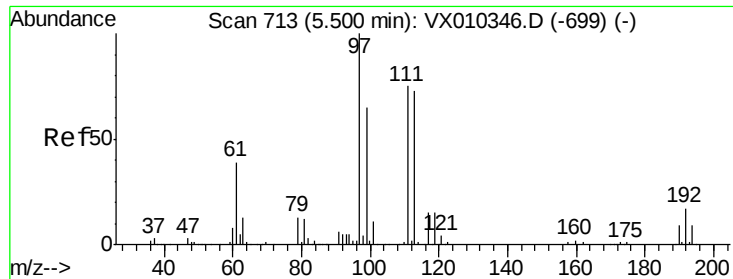
Tot Ion: 65 Resp: 122659
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

Tgt Ion: 114 Resp: 395434
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 33.8
 88 14.7 0.0 27.6

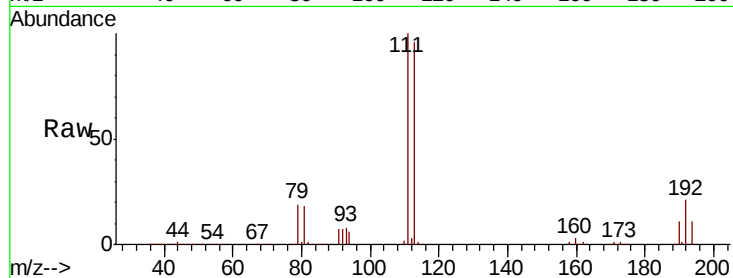




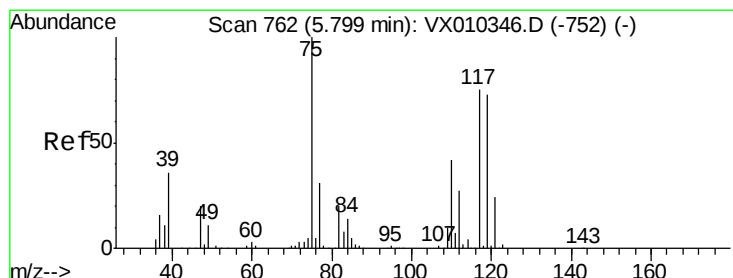
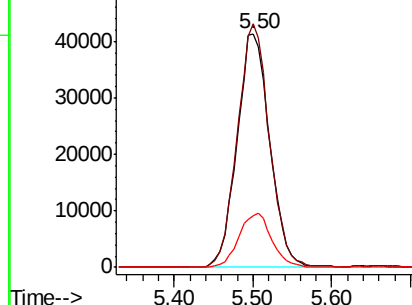
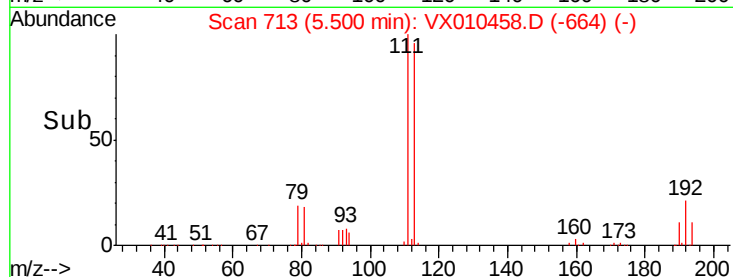
#35
 Dibromofluoromethane
 Concen: 49.341 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:113 Resp: 119375
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.2 121.8
 192 23.2 18.6 27.8

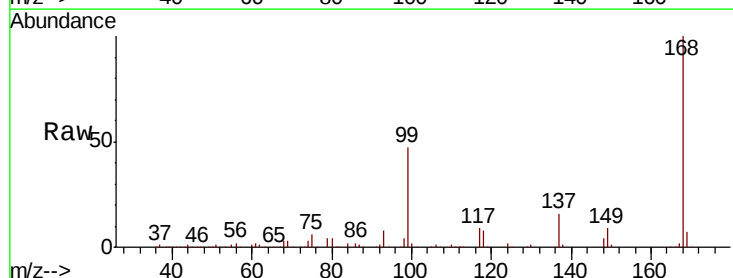


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

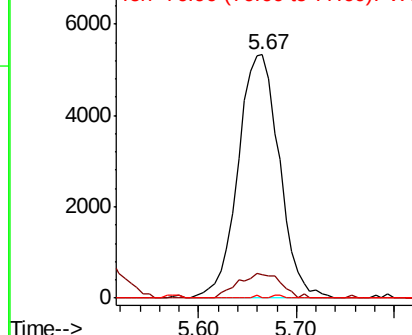
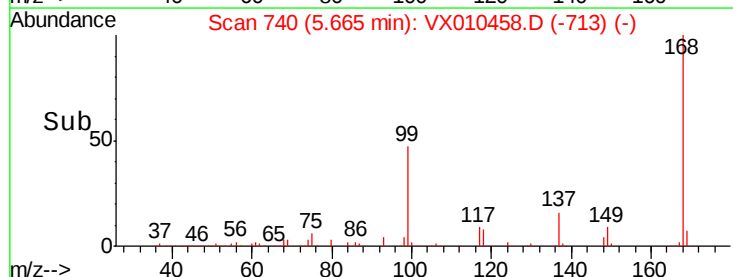


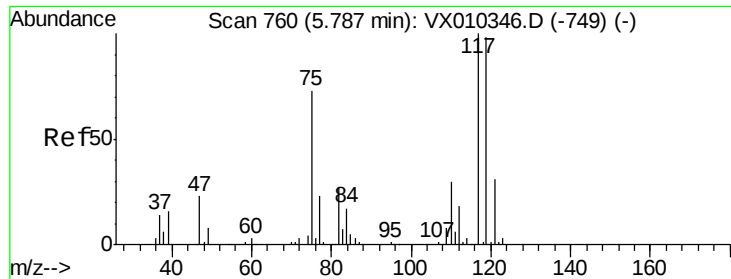
#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

Tgt Ion: 75 Resp: 15655
 Ion Ratio Lower Upper
 75 100
 110 10.7 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: 6.637 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010458.D

Acq: 26 Jun 2019 13:26

Instrument :

MSVOA_X

ClientSampled :

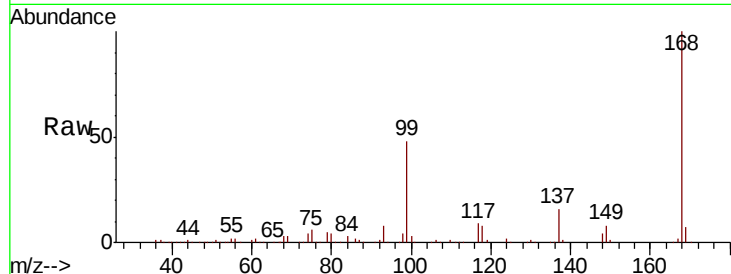
Tot Ion:117 Resp: 22583

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.4#

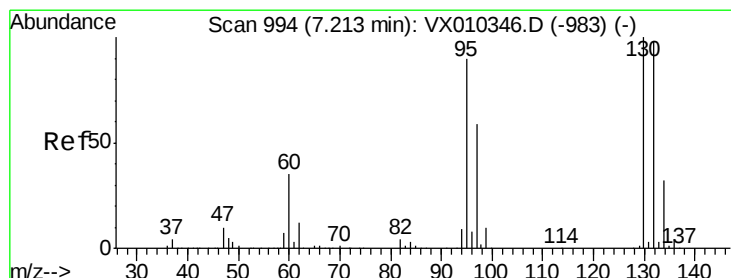
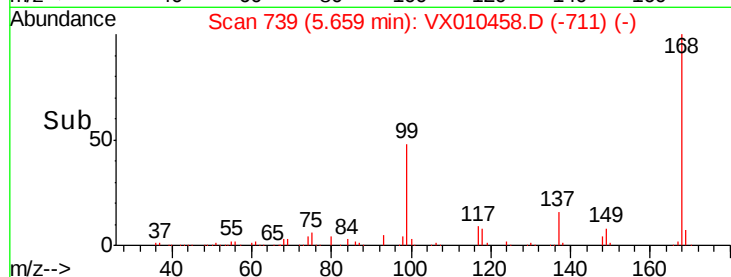
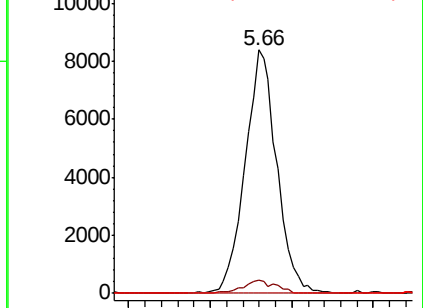
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.210 ug/l

RT: 7.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VX010458.D

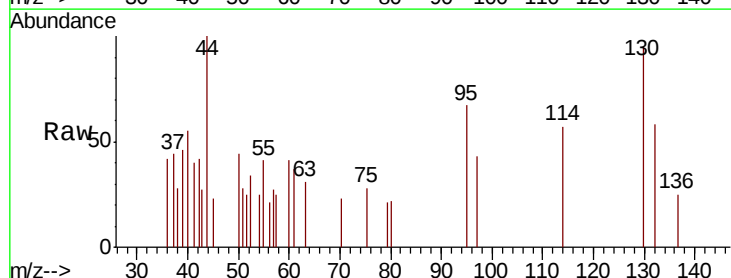
Acq: 26 Jun 2019 13:26

Tgt Ion:130 Resp: 616

Ion Ratio Lower Upper

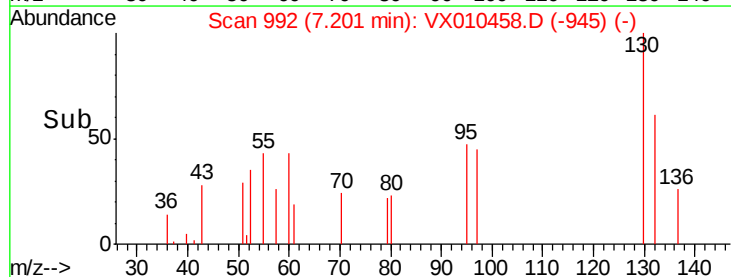
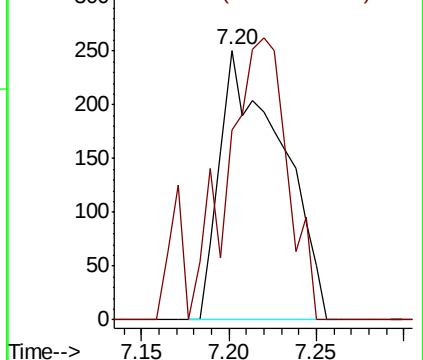
130 100

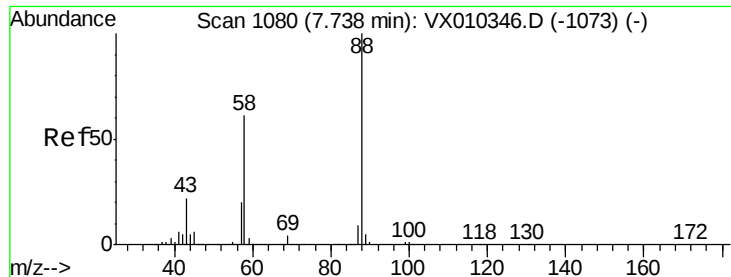
95 70.5 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

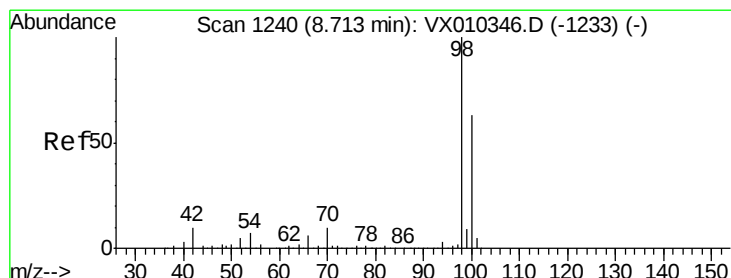
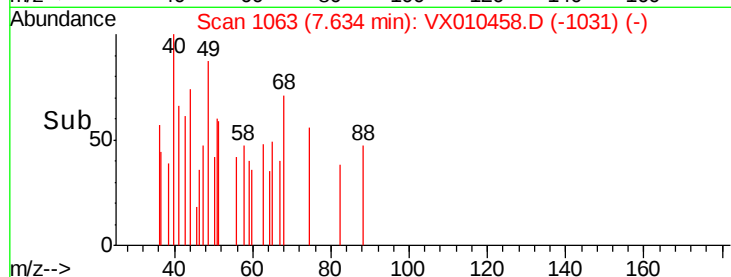
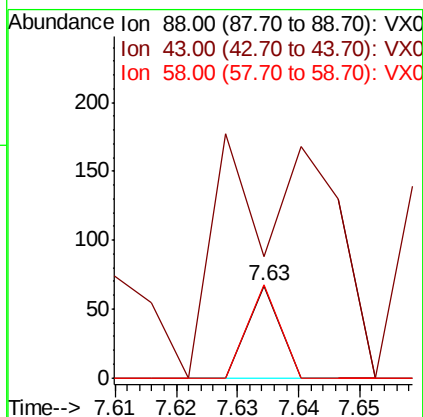
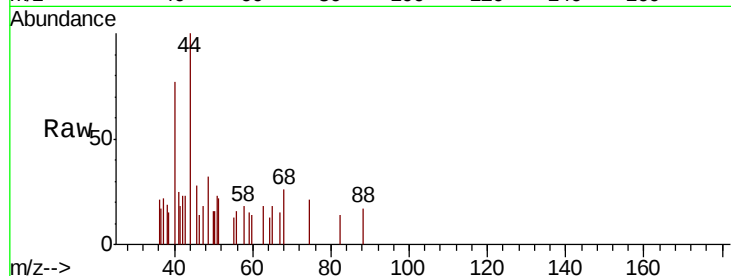




#49
1,4-Dioxane
Concen: 0.349 ug/l
RT: 7.63 min Scan# 1063
Delta R.T. -0.10 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

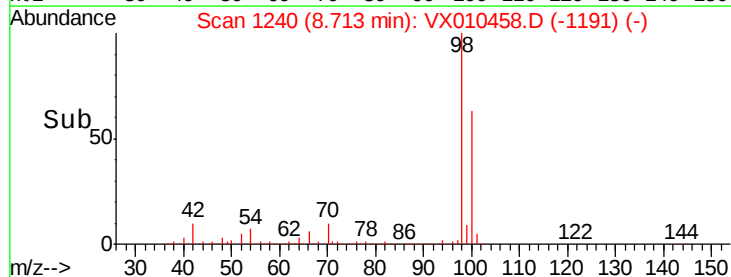
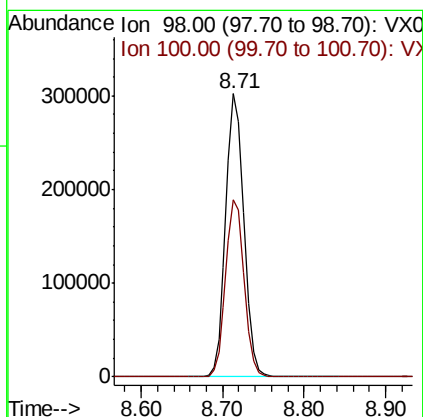
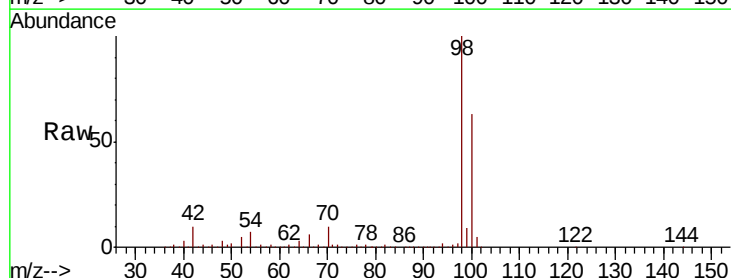
Instrument :
MSVOA_X
ClientSampleId :

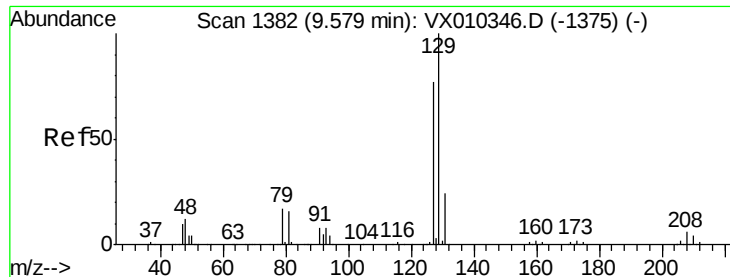
Tot Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 824.0 20.2 30.2#
58 100.0 49.5 74.3#



#50
Toluene-d8
Concen: 50.296 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 98 Resp: 465547
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

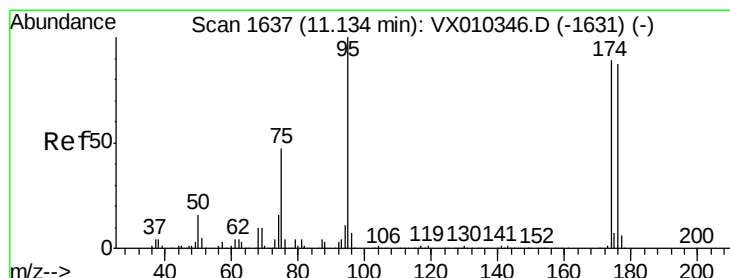
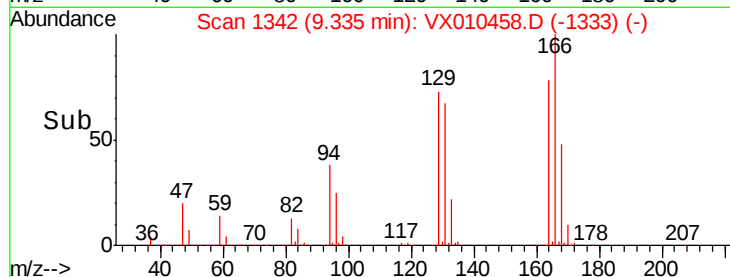
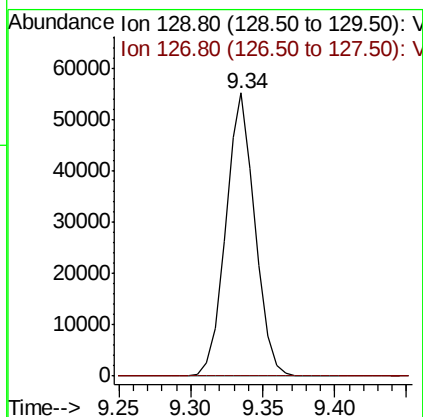
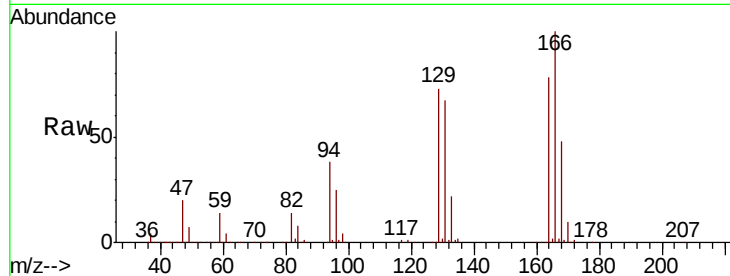




#60
 Dibromochloromethane
 Concen: 26.280 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

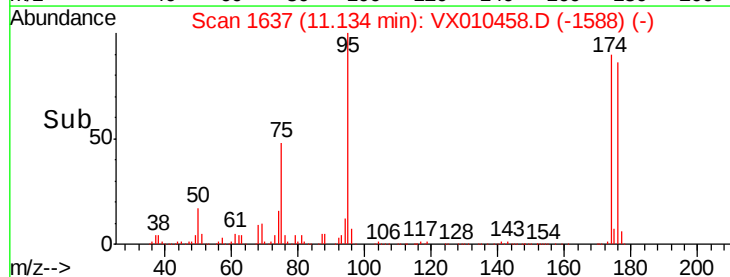
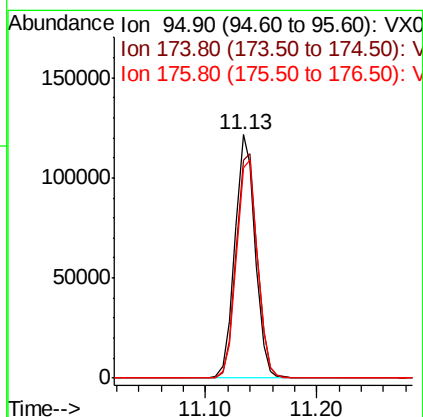
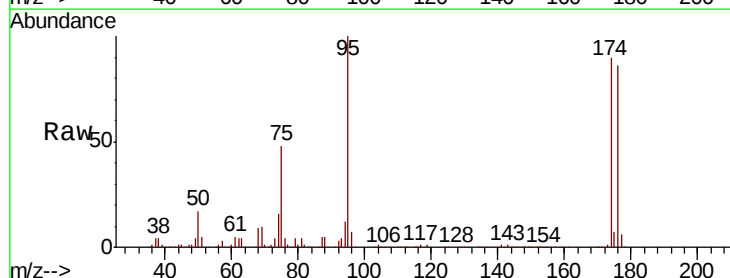
Instrument :
 MSVOA_X
 ClientSampleId :

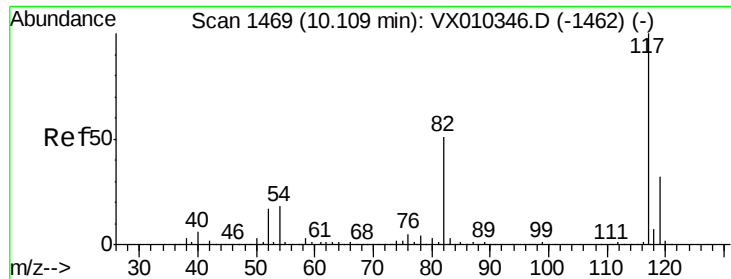
Tot Ion:129 Resp: 78238
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 45.895 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

Tgt Ion: 95 Resp: 153368
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 187.6
 176 93.2 0.0 184.0

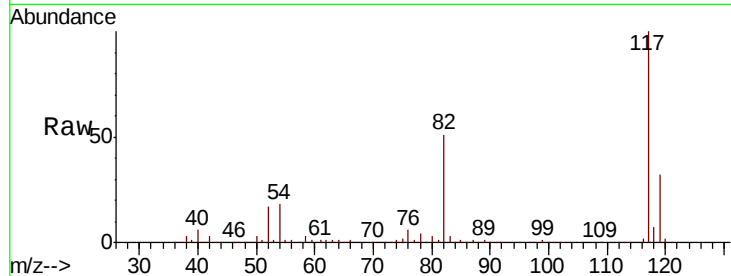




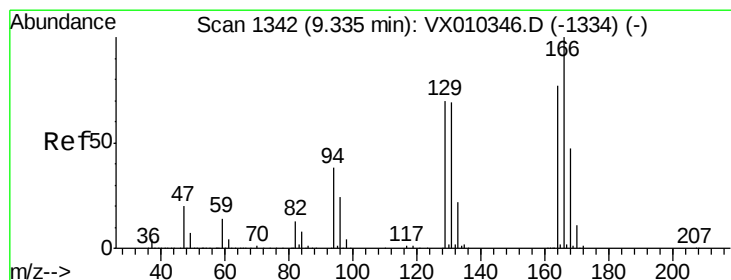
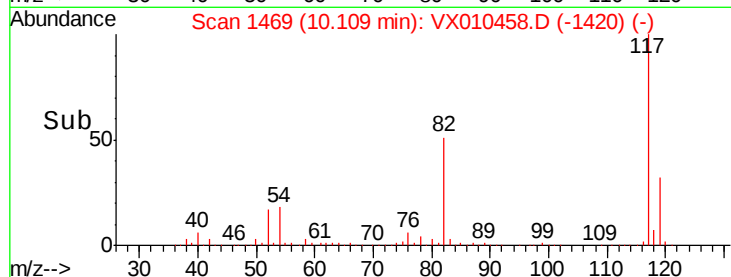
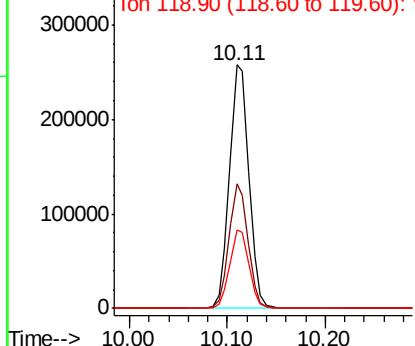
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 356095
Ion Ratio Lower Upper
117 100
82 51.1 41.2 61.8
119 32.3 25.5 38.3



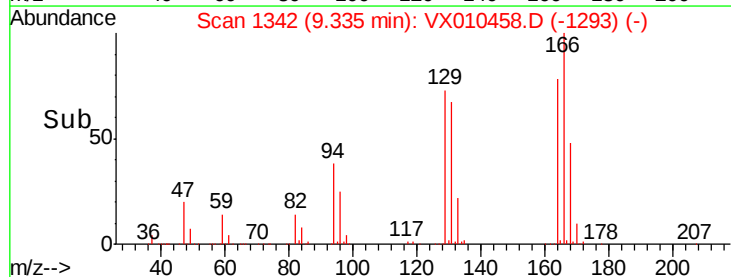
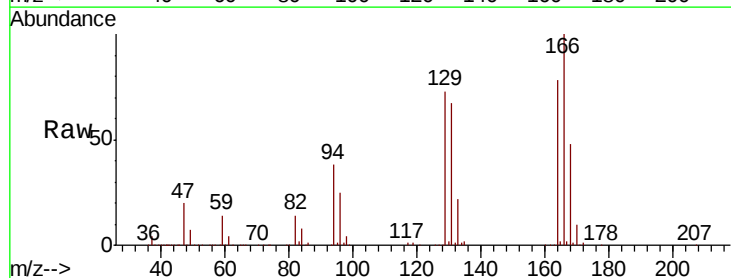
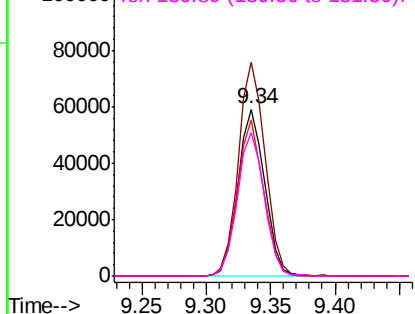
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

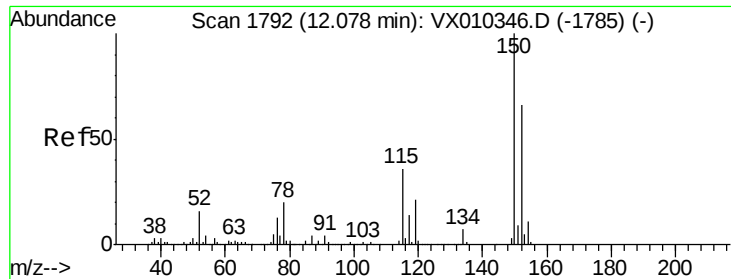


#64
Tetrachloroethene
Concen: 29.565 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion:164 Resp: 85154
Ion Ratio Lower Upper
164 100
166 128.0 103.6 155.4
129 93.3 73.0 109.4
131 86.1 71.0 106.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010458.D

Acq: 26 Jun 2019 13:26

Instrument :

MSVOA_X

ClientSampled :

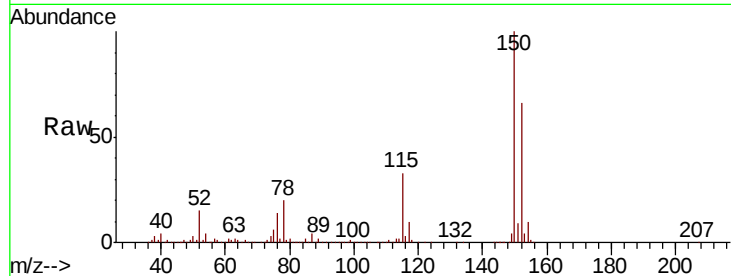
Tot Ion:152 Resp: 162667

Ion Ratio Lower Upper

152 100

115 54.1 38.6 115.7

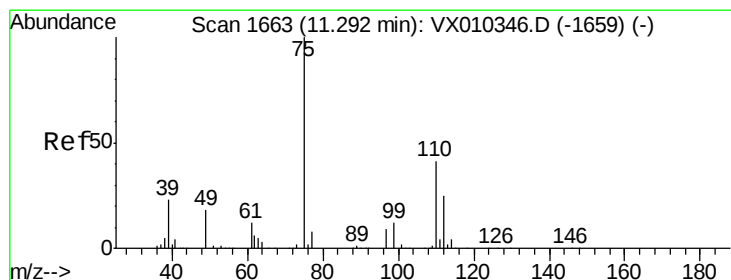
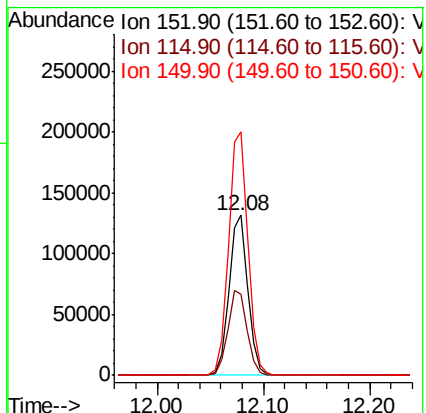
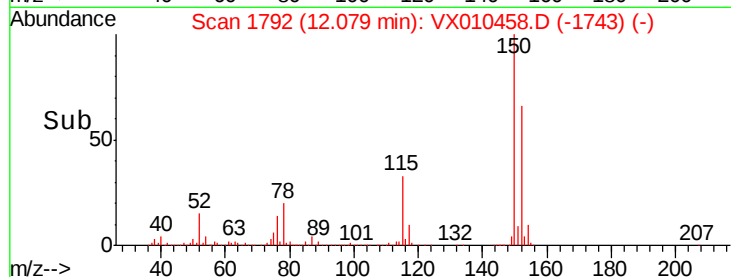
150 156.0 0.0 347.4



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: 24.223 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010458.D

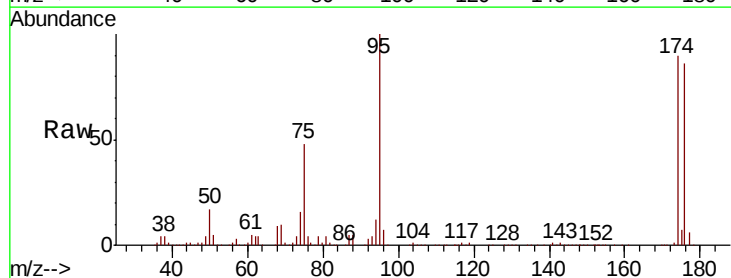
Acq: 26 Jun 2019 13:26

Tgt Ion: 75 Resp: 71803

Ion Ratio Lower Upper

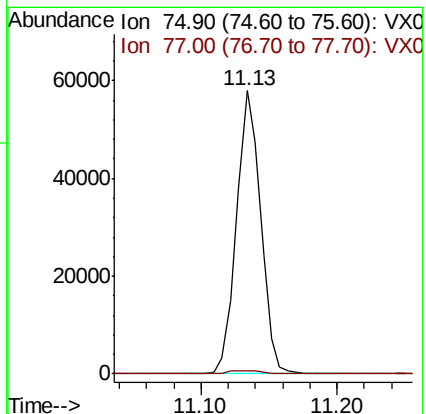
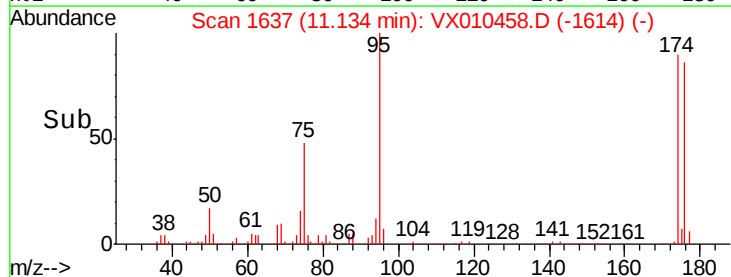
75 100

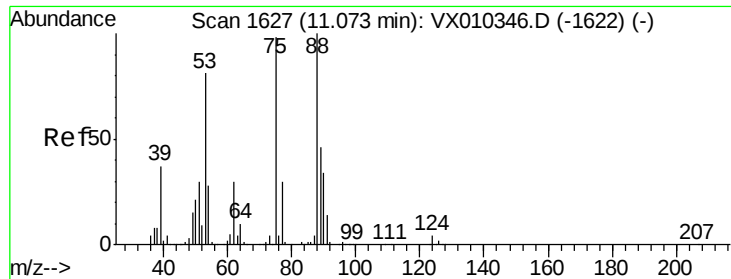
77 1.4 22.6 67.8#



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: 56.510 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010458.D
 Acq: 26 Jun 2019 13:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 71803
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

