

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010639.D
 Acq On : 03 Jul 2019 14:51
 Operator : JC/SP
 Sample : K3635-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-A

Quant Time: Jul 04 03:36:54 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	241222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154543	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	119674	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
35) Dibromofluoromethane	5.50	113	114852	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	8.71	98	443564	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.13	95	148433	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

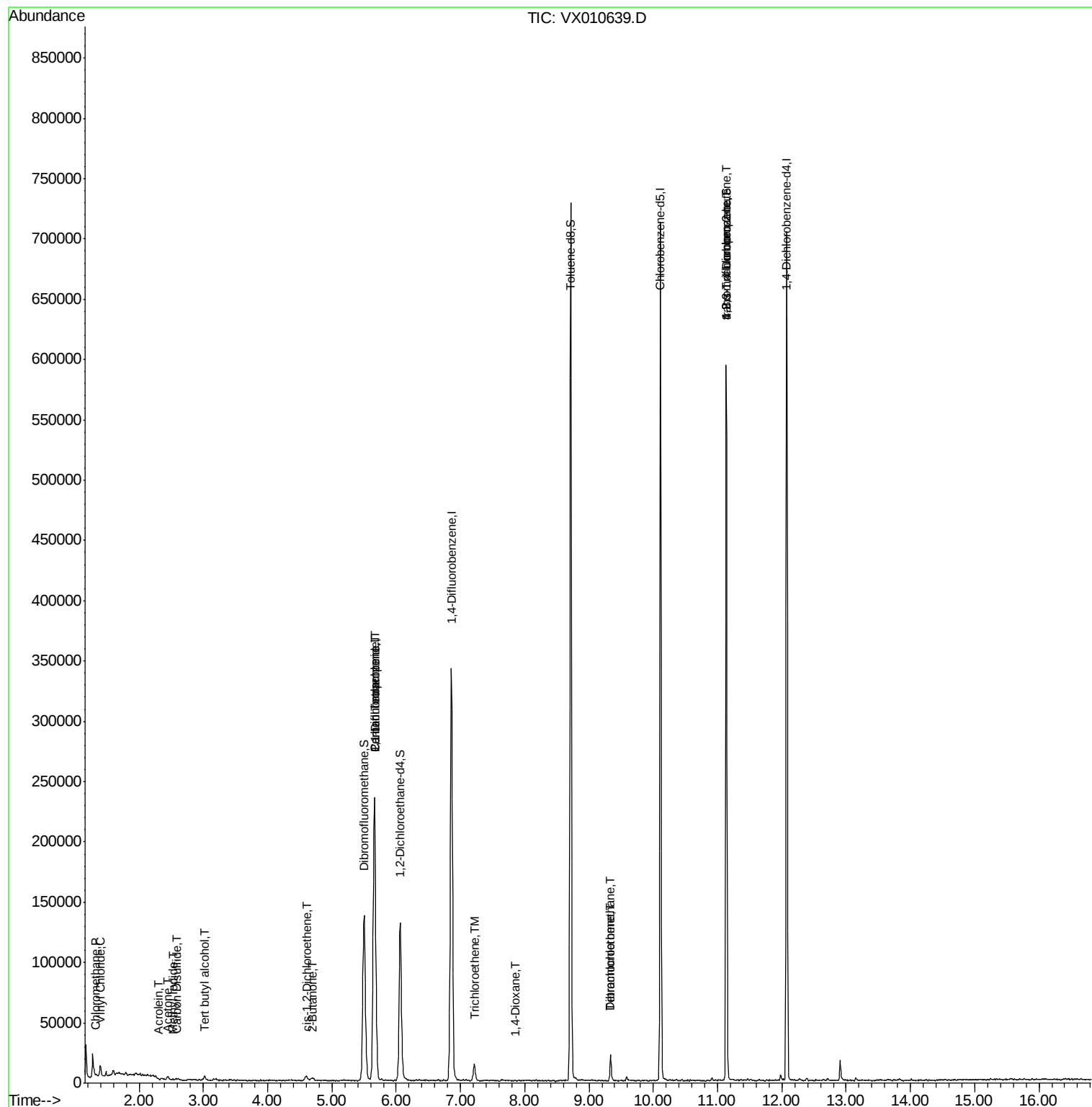
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	459	0.235	ug/l #	73
4) Vinyl Chloride	1.41	62	440	0.206	ug/l #	62
10) Methyl Iodide	2.52	142	797	0.272	ug/l #	97
11) Tert butyl alcohol	3.01	59	2018	3.410	ug/l #	83
13) Acrolein	2.30	56	254	0.647	ug/l #	14
16) Acetone	2.44	43	2687	2.371	ug/l	92
17) Carbon Disulfide	2.58	76	1883	0.336	ug/l #	68
25) 2-Butanone	4.70	43	1033	0.621	ug/l #	44
27) cis-1,2-Dichloroethene	4.61	96	2799	1.077	ug/l	90
36) 1,1-Dichloropropene	5.66	75	15628	5.273	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22126	6.894	ug/l #	14
44) Trichloroethene	7.21	130	5430	1.965	ug/l	98
49) 1,4-Dioxane	7.85	88	117	1.732	ug/l #	18
60) Dibromochloromethane	9.34	129	3968	1.413	ug/l #	11
64) Tetrachloroethene	9.34	164	4452	1.639	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	71850	25.513	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71850	59.520	ug/l #	16

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

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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: VX010639.D

Acq: 03 Jul 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

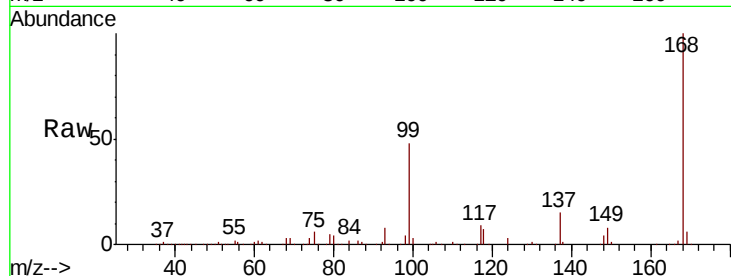
MW-A

Tot Ion:168 Resp: 241222

Ion Ratio Lower Upper

168 100

99 48.3 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

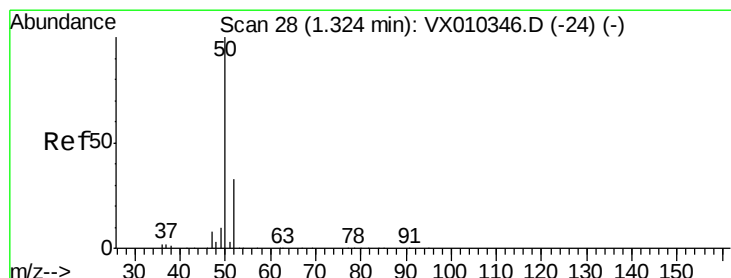
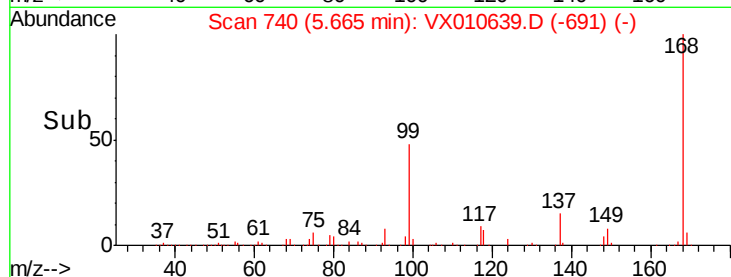
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.235 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010639.D

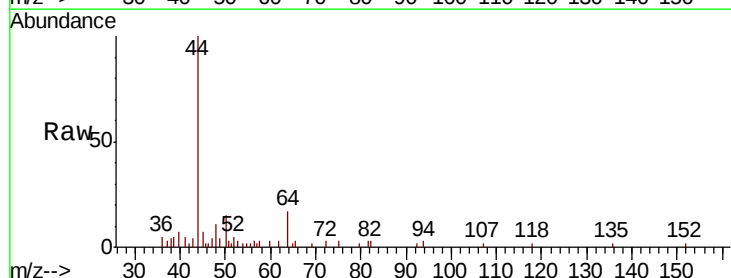
Acq: 03 Jul 2019 14:51

Tgt Ion: 50 Resp: 459

Ion Ratio Lower Upper

50 100

52 48.5 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

400

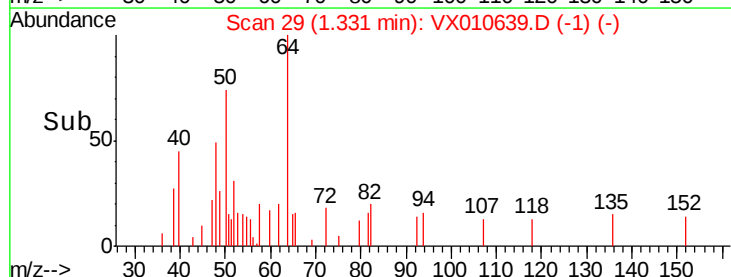
300

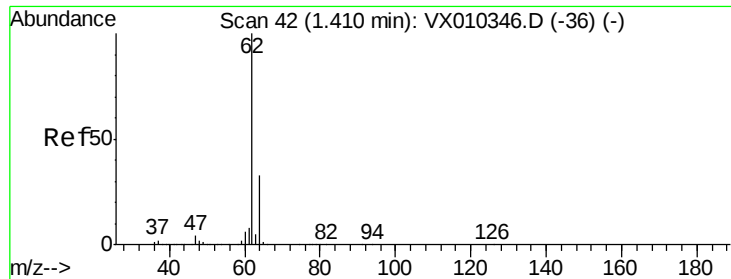
200

100

0

Time--> 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 0.206 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010639.D

Acq: 03 Jul 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

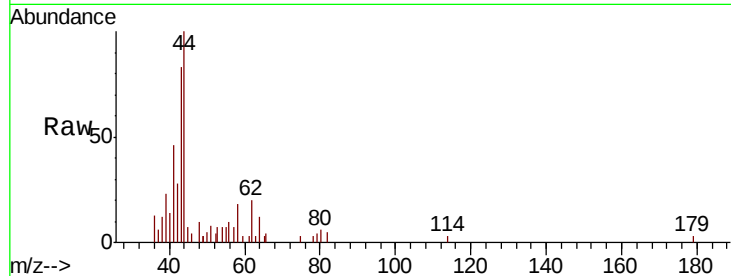
MW-A

Tot Ion: 62 Resp: 440

Ion Ratio Lower Upper

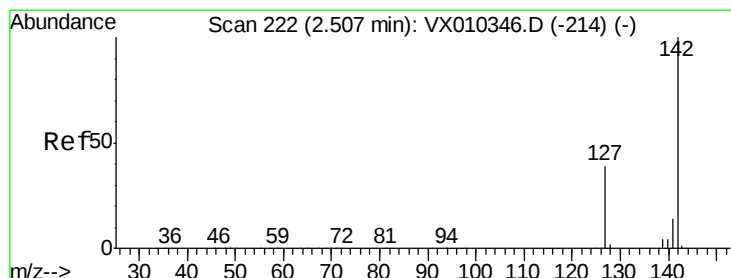
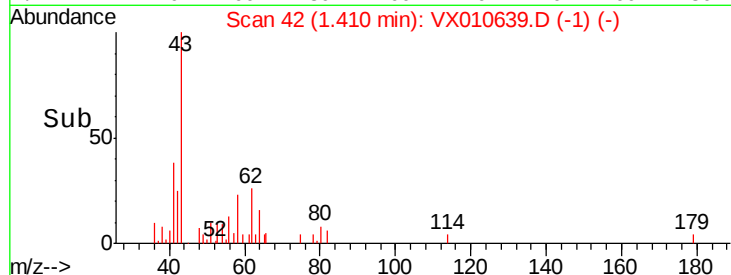
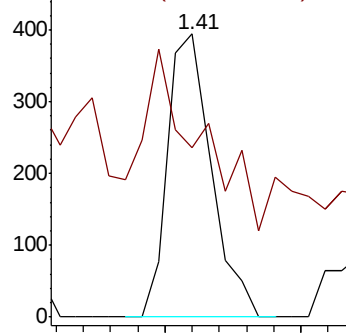
62 100

64 11.2 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 0.272 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010639.D

Acq: 03 Jul 2019 14:51

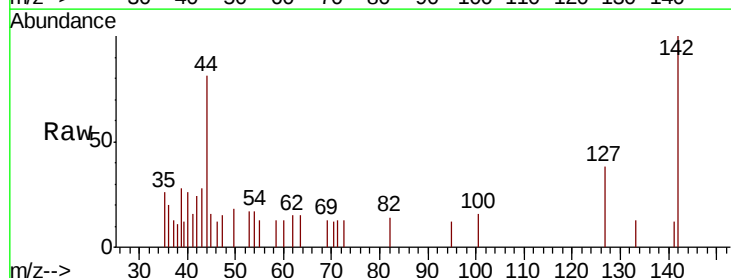
Tgt Ion: 142 Resp: 797

Ion Ratio Lower Upper

142 100

127 39.3 31.1 46.7

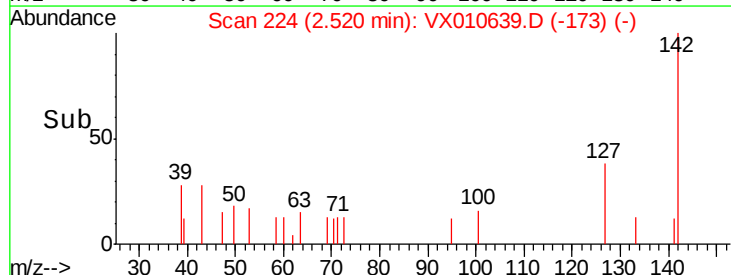
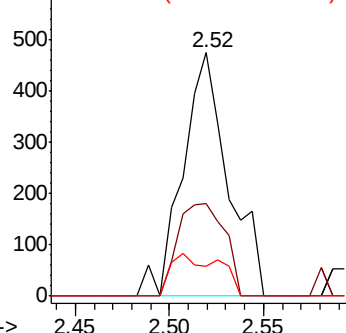
141 18.3 11.2 16.8#

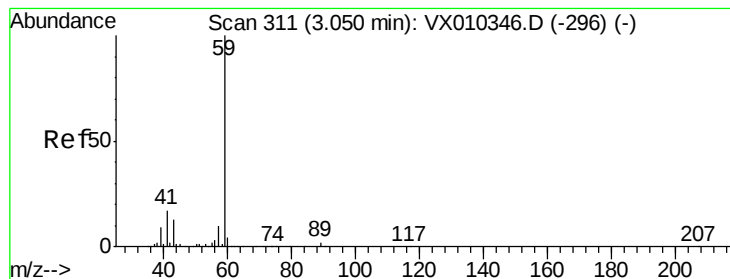


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



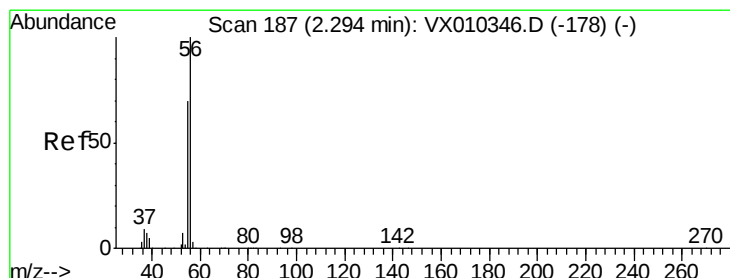
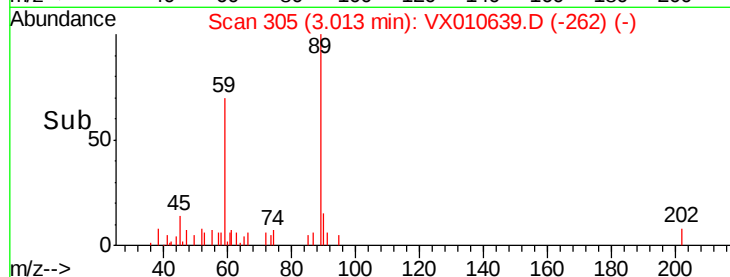
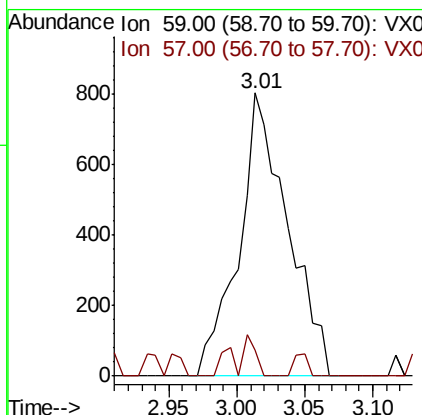
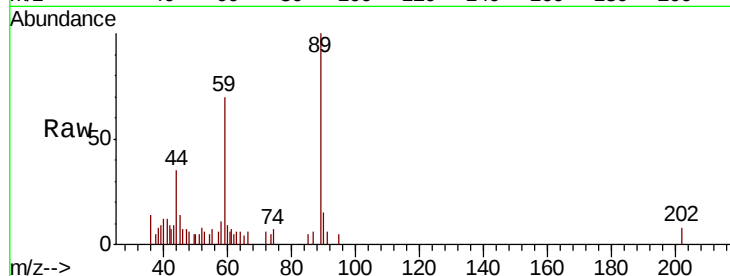


#11

Tert butyl alcohol
Concen: 3.410 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010639.D
Acq: 03 Jul 2019 14:51

Instrument :
MSVOA_X
ClientSampled :
MW-A

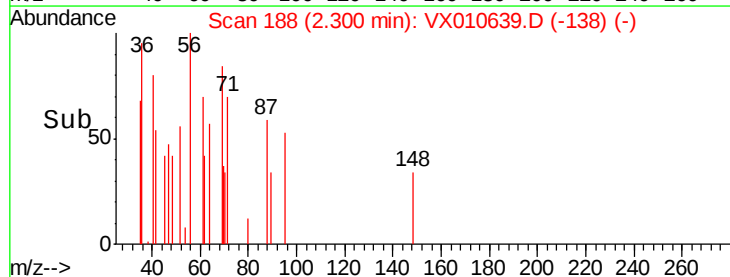
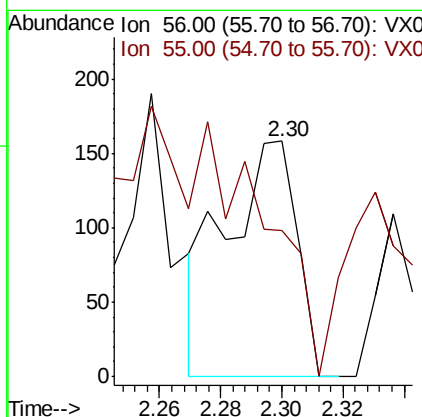
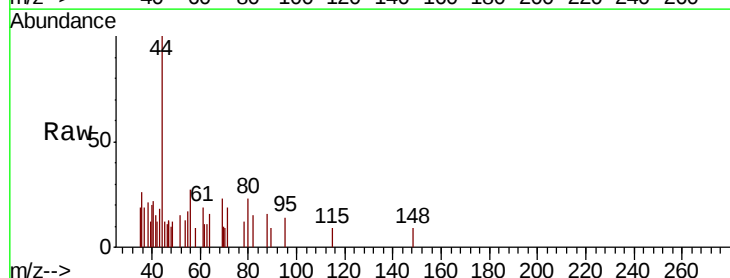
Tot Ion: 59 Resp: 2018
Ion Ratio Lower Upper
59 100
57 3.4 7.7 11.5#

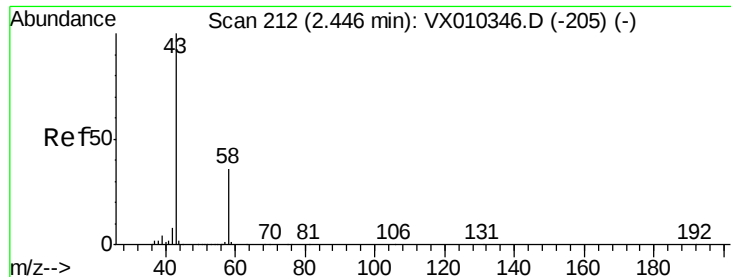


#13

Acrolein
Concen: 0.647 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX010639.D
Acq: 03 Jul 2019 14:51

Tgt Ion: 56 Resp: 254
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 2.371 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010639.D

Acq: 03 Jul 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

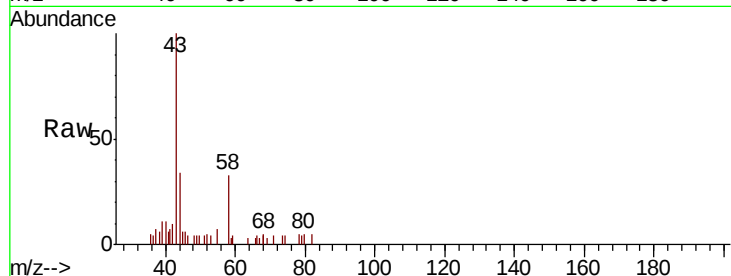
MW-A

Tot Ion: 43 Resp: 2687

Ion Ratio Lower Upper

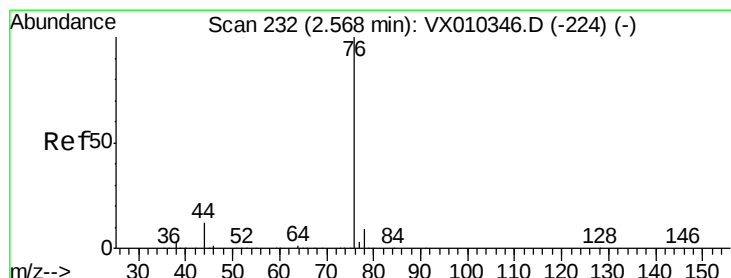
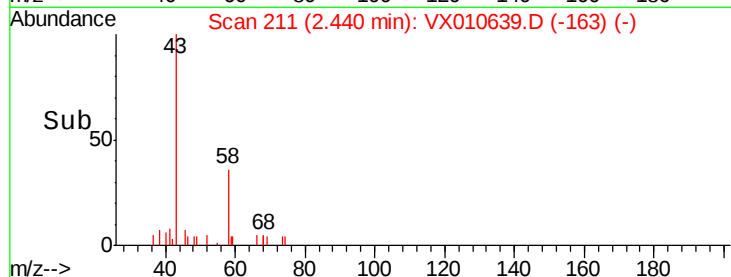
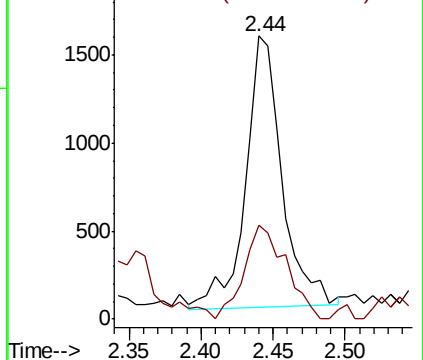
43 100

58 31.5 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.336 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX010639.D

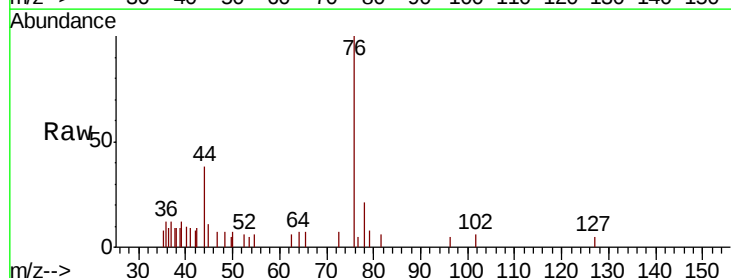
Acq: 03 Jul 2019 14:51

Tgt Ion: 76 Resp: 1883

Ion Ratio Lower Upper

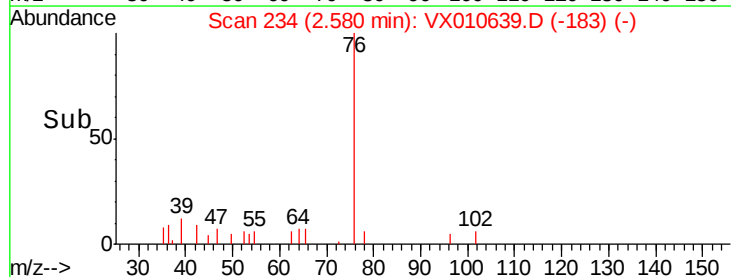
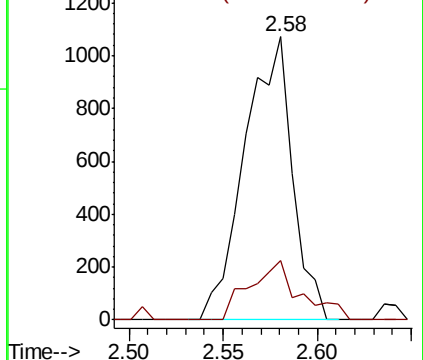
76 100

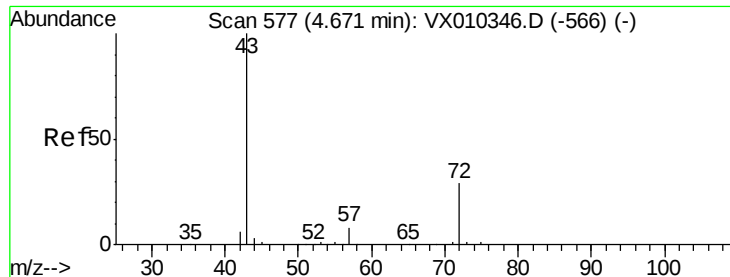
78 20.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.621 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010639.D

Acq: 03 Jul 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

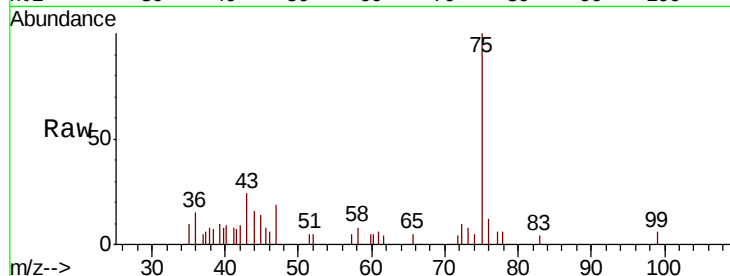
MW-A

Tot Ion: 43 Resp: 1033

Ion Ratio Lower Upper

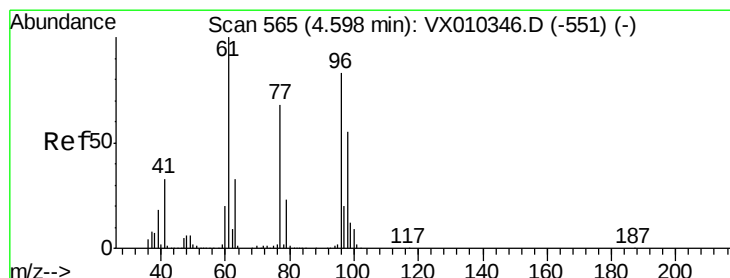
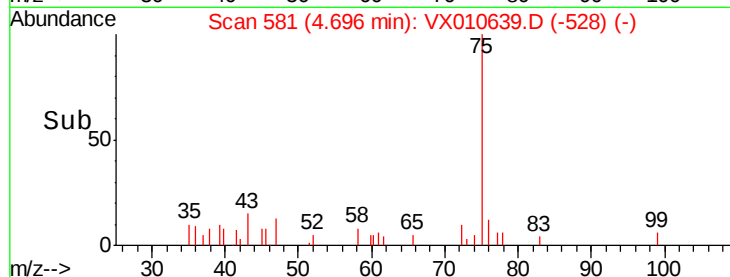
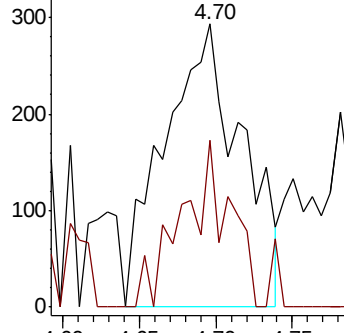
43 100

72 59.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.077 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX010639.D

Acq: 03 Jul 2019 14:51

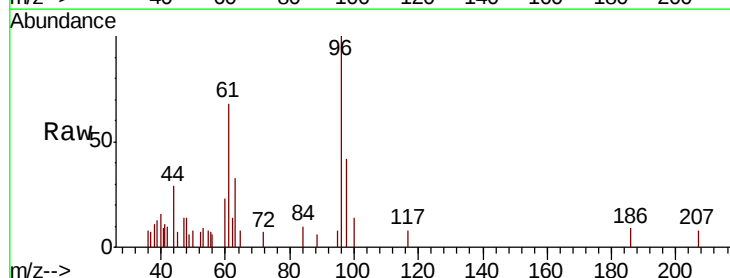
Tgt Ion: 96 Resp: 2799

Ion Ratio Lower Upper

96 100

61 111.5 0.0 251.8

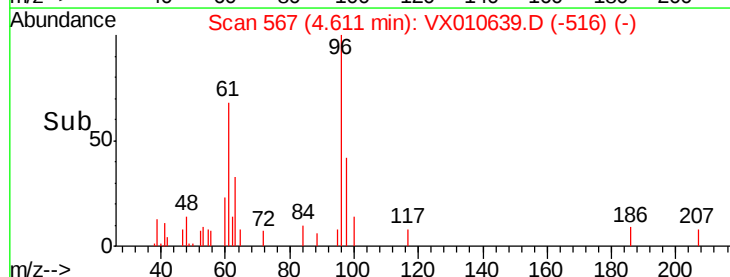
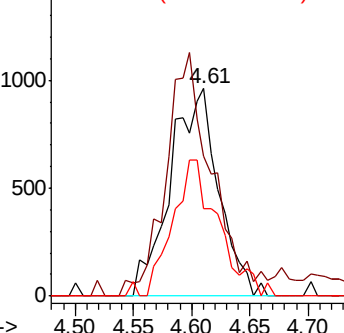
98 61.5 0.0 129.4

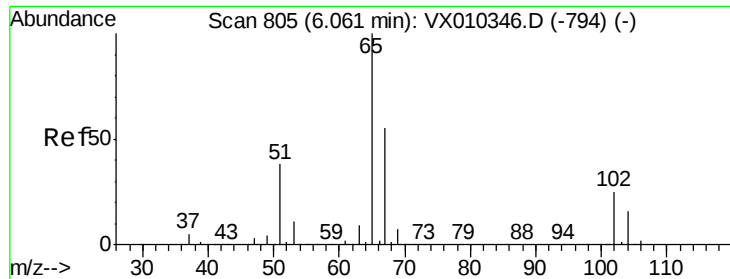


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.913 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010639.D

Acq: 03 Jul 2019 14:51

Instrument :

MSVOA_X

ClientSampled :

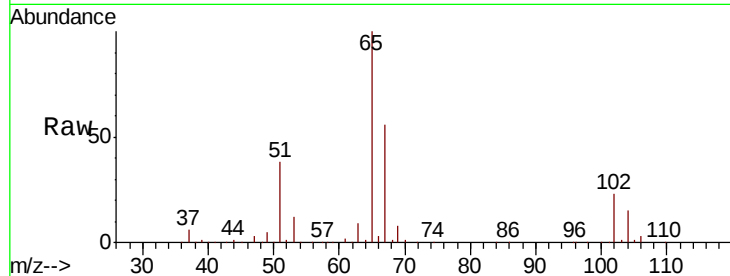
MW-A

Tot Ion: 65 Resp: 119674

Ion Ratio Lower Upper

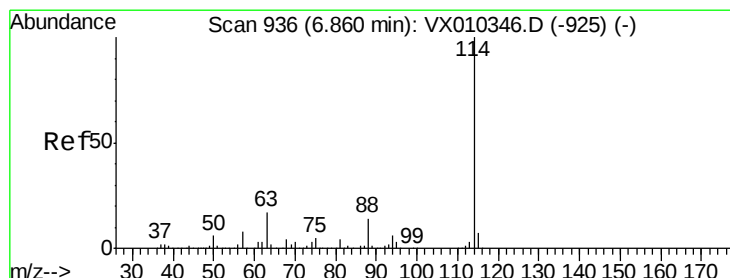
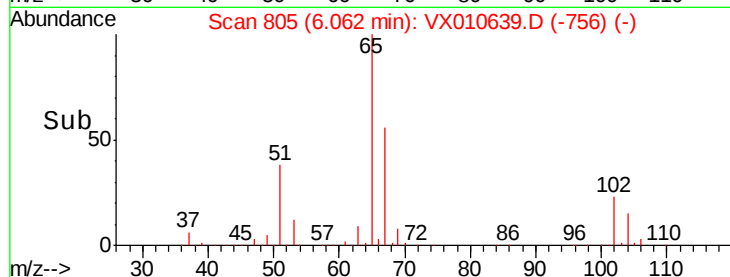
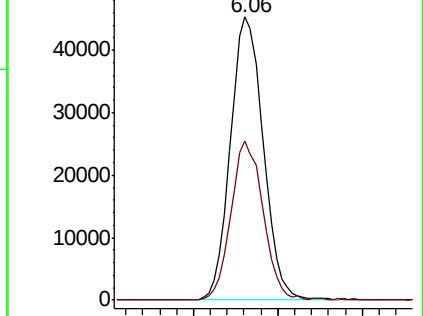
65 100

67 55.2 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010639.D

Acq: 03 Jul 2019 14:51

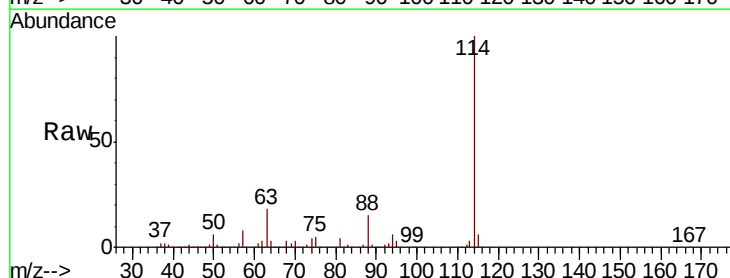
Tgt Ion:114 Resp: 372963

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

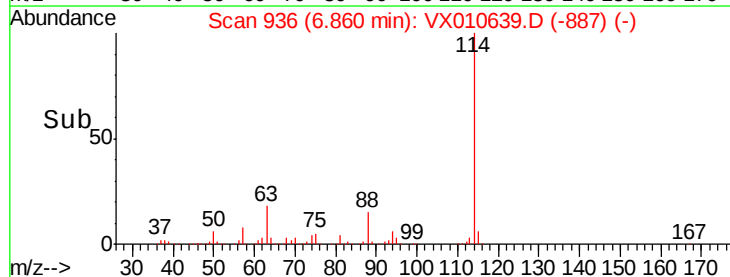
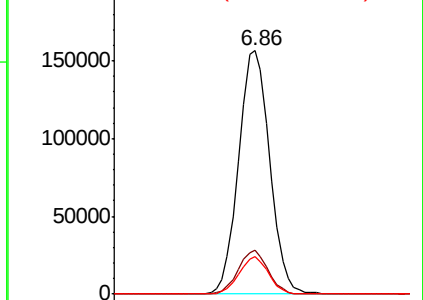
88 15.4 0.0 27.6

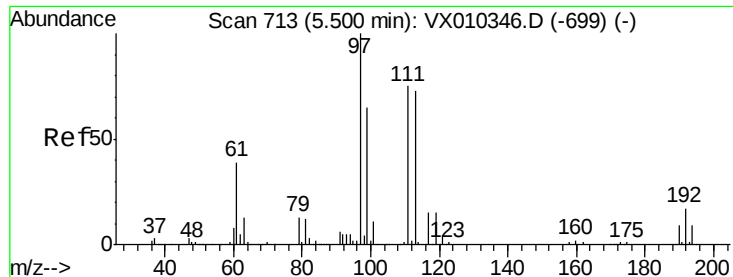


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

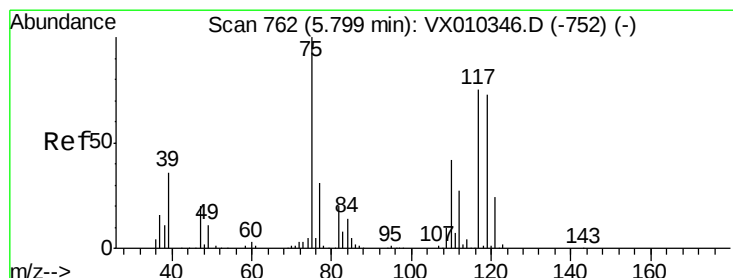
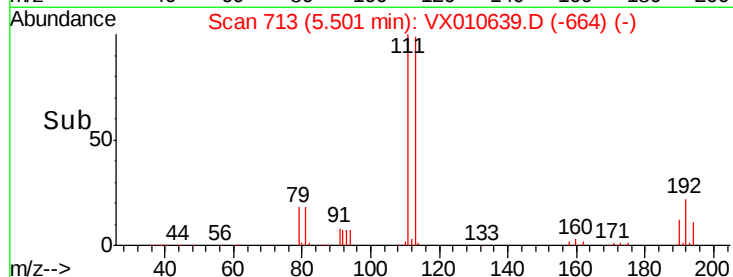
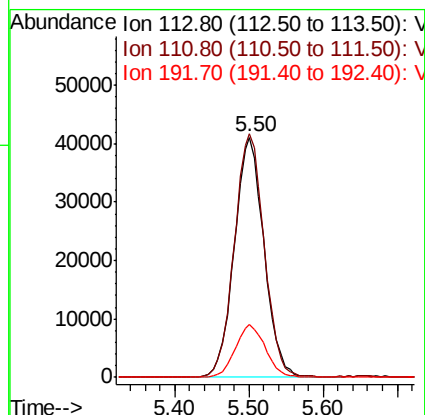
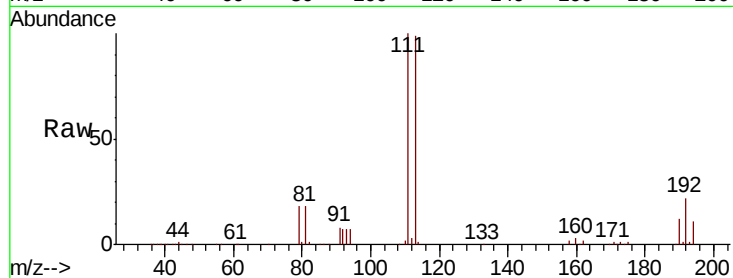




#35
 Dibromofluoromethane
 Concen: 50.331 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010639.D
 Acq: 03 Jul 2019 14:51

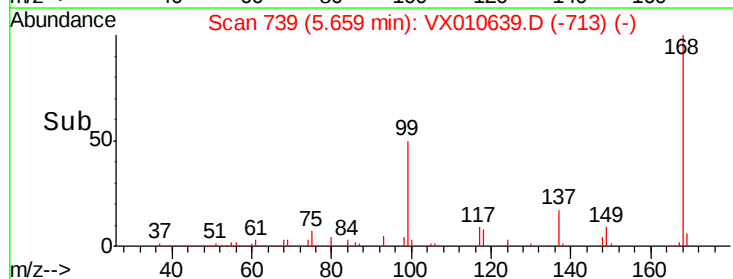
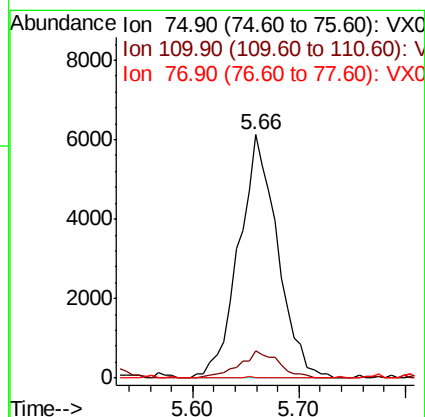
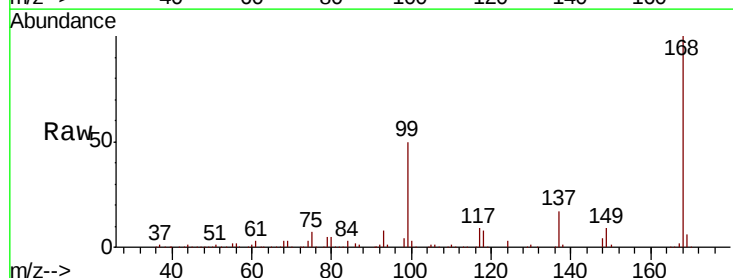
Instrument :
 MSVOA_X
 ClientSampled :
 MW-A

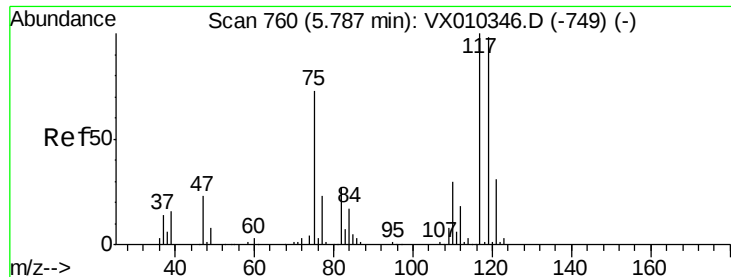
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.2	121.8
192	22.2	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.273 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010639.D
 Acq: 03 Jul 2019 14:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	20.8	62.2#
77	0.1	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.894 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010639.D

Acq: 03 Jul 2019 14:51

Instrument :

MSVOA_X

ClientSampled :

MW-A

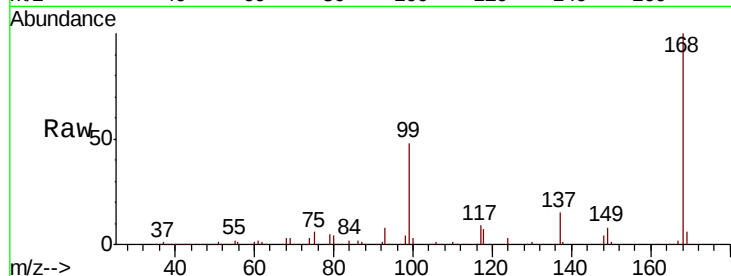
Tot Ion:117 Resp: 22126

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.4#

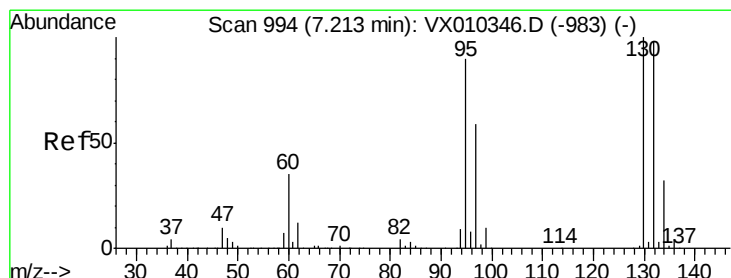
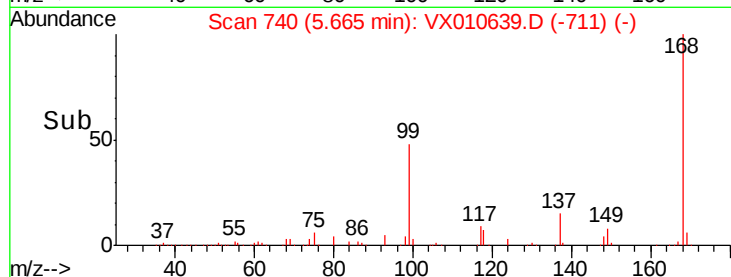
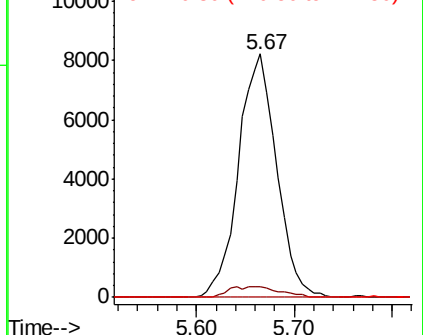
121 0.0 24.7 37.1#



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: 1.965 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010639.D

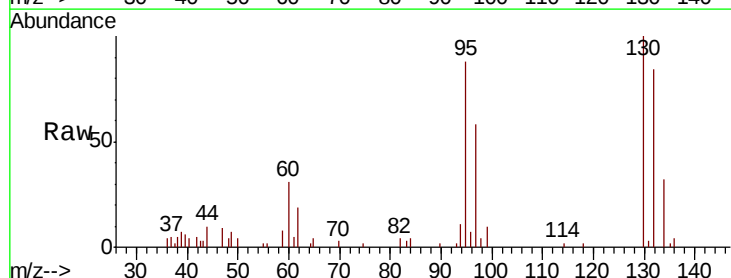
Acq: 03 Jul 2019 14:51

Tgt Ion:130 Resp: 5430

Ion Ratio Lower Upper

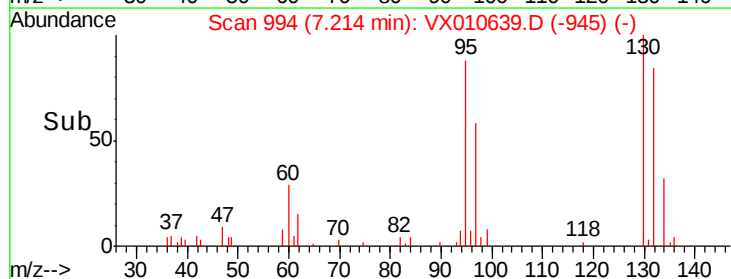
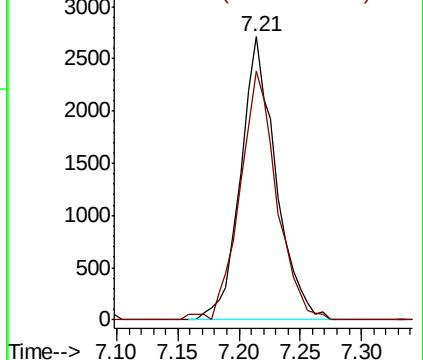
130 100

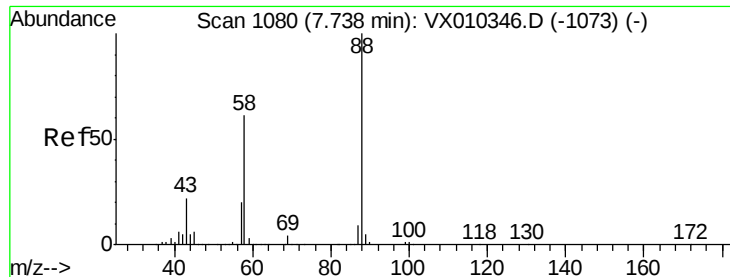
95 88.0 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

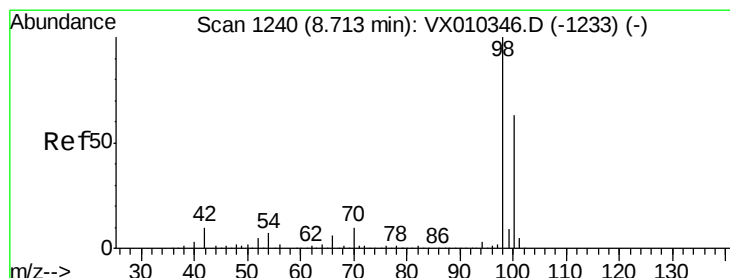
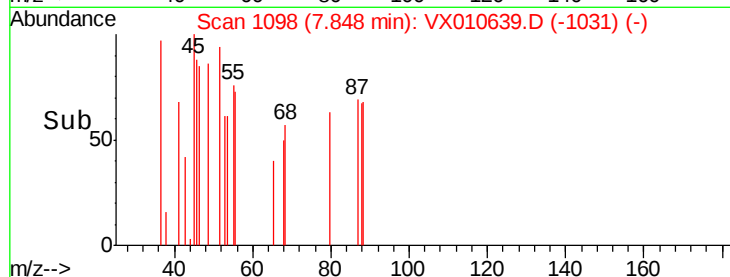
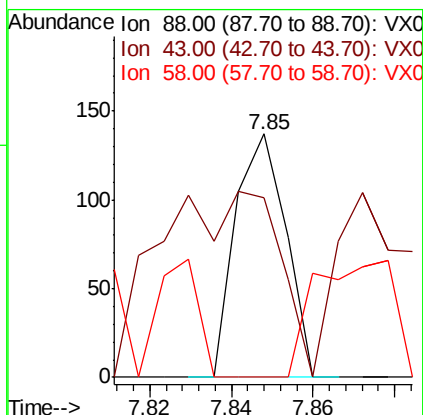
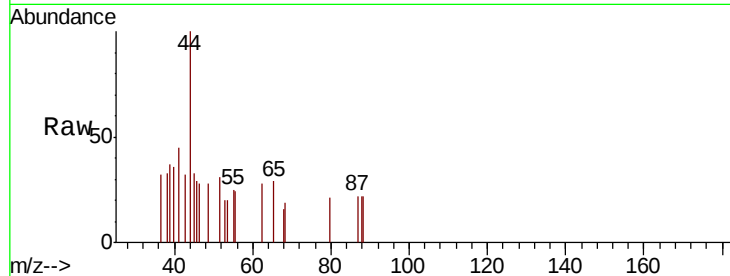




#49
1,4-Dioxane
Concen: 1.732 ug/l
RT: 7.85 min Scan# 1098
Delta R.T. 0.11 min
Lab File: VX010639.D
Acq: 03 Jul 2019 14:51

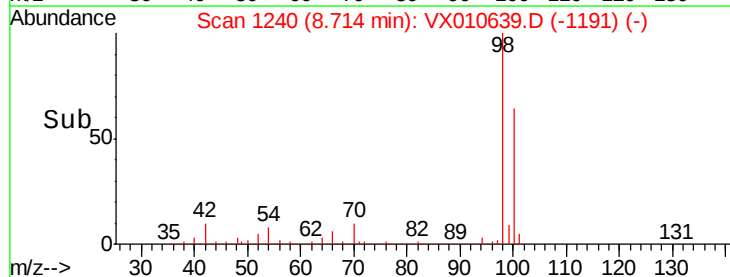
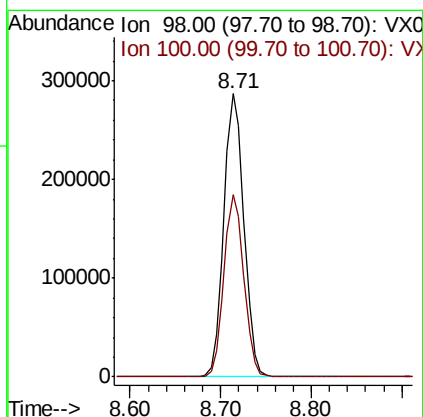
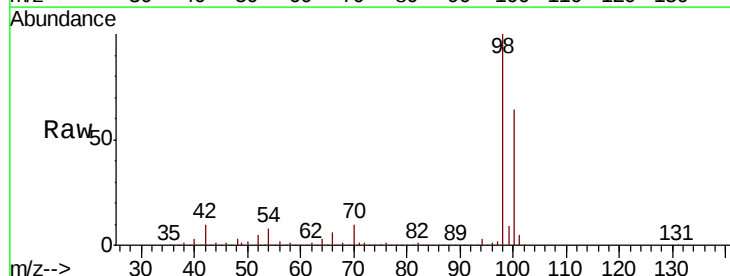
Instrument :
MSVOA_X
ClientSampled :
MW-A

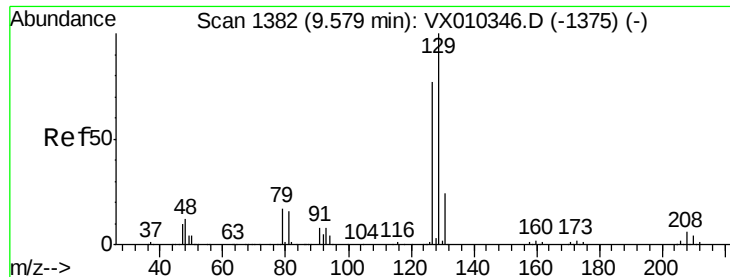
Tot Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 162.4 20.2 30.2#
58 58.1 49.5 74.3



#50
Toluene-d8
Concen: 50.808 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010639.D
Acq: 03 Jul 2019 14:51

Tgt Ion: 98 Resp: 443564
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

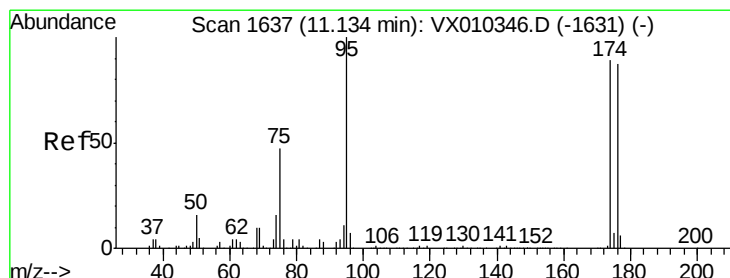
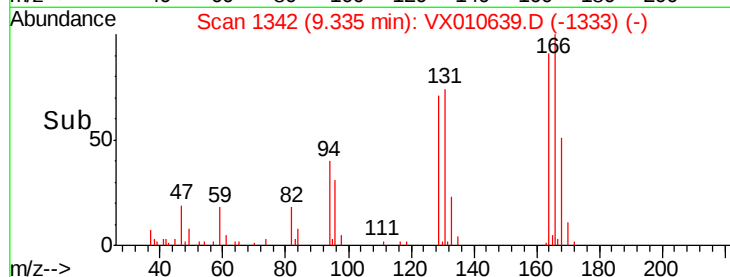
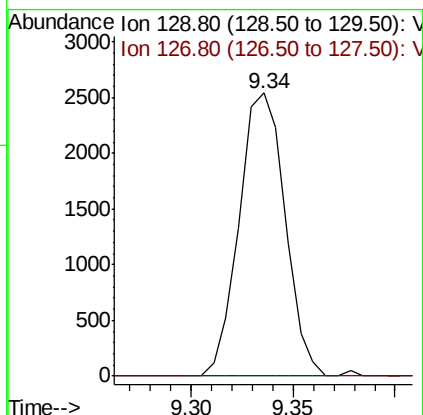
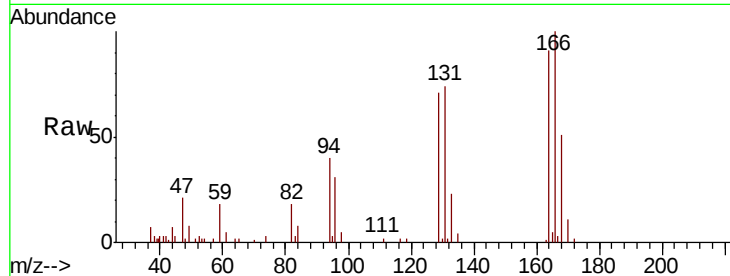




#60
 Dibromochloromethane
 Concen: 1.413 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX010639.D
 Acq: 03 Jul 2019 14:51

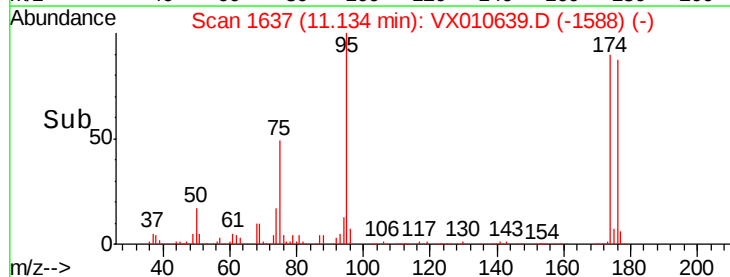
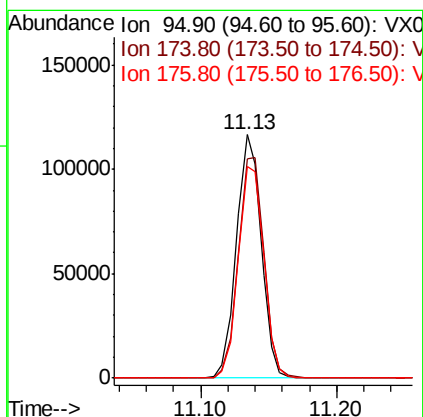
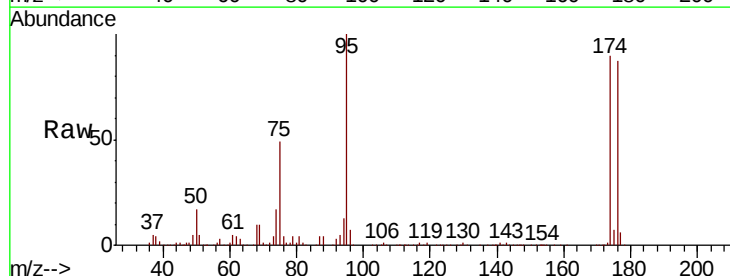
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-A

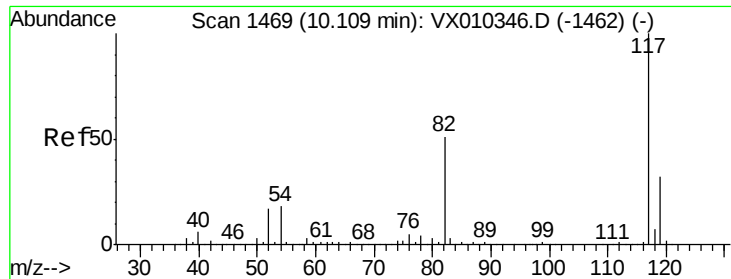
Tot Ion:129 Resp: 3968
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 47.094 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010639.D
 Acq: 03 Jul 2019 14:51

Tgt Ion: 95 Resp: 148433
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 187.6
 176 89.7 0.0 184.0

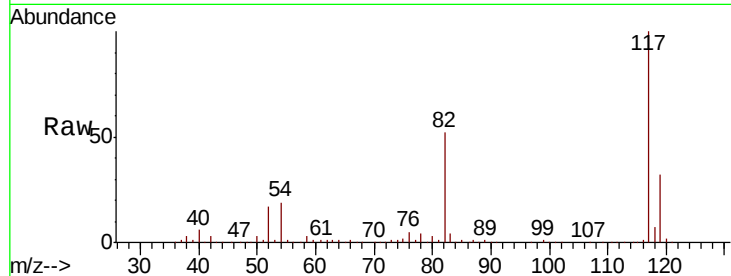




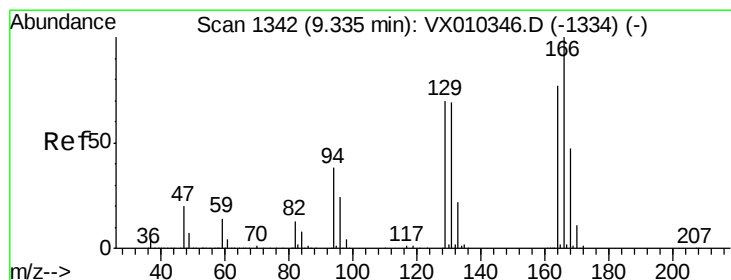
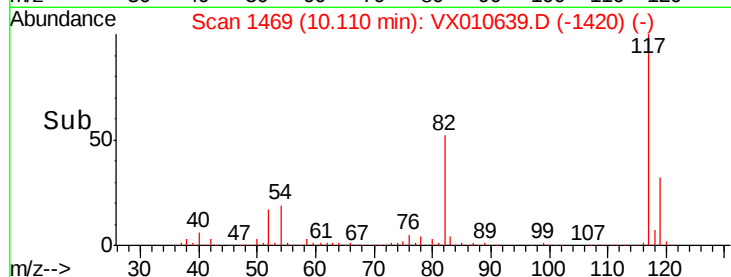
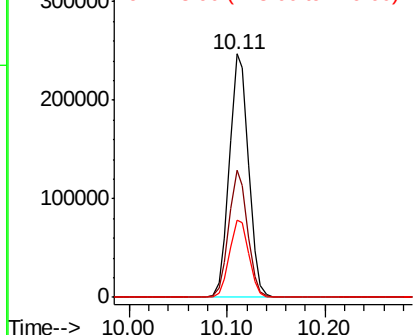
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010639.D
Acq: 03 Jul 2019 14:51

Instrument :
MSVOA_X
ClientSampleId :
MW-A

Tot Ion:117 Resp: 335784
Ion Ratio Lower Upper
117 100
82 52.3 41.2 61.8
119 31.8 25.5 38.3

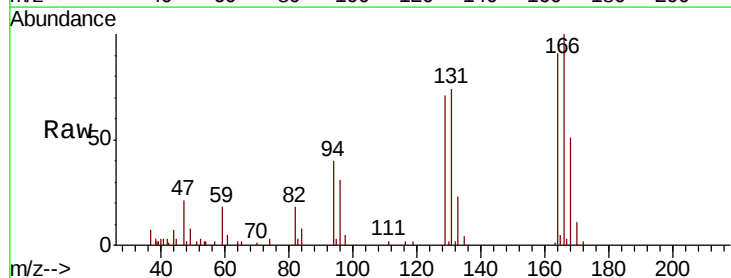


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

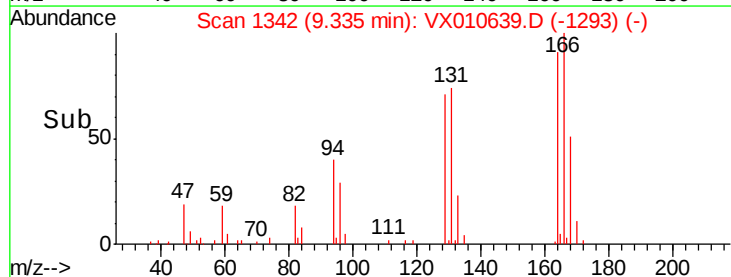
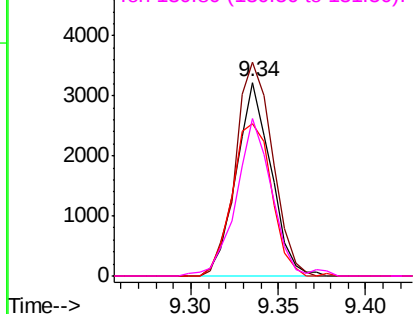


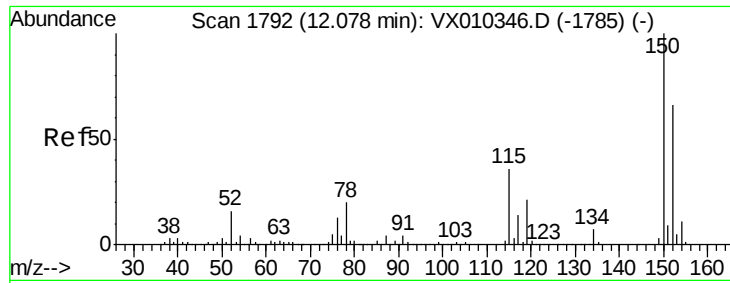
#64
Tetrachloroethene
Concen: 1.639 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010639.D
Acq: 03 Jul 2019 14:51

Tgt Ion:164 Resp: 4452
Ion Ratio Lower Upper
164 100
166 110.3 103.6 155.4
129 78.7 73.0 109.4
131 81.6 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



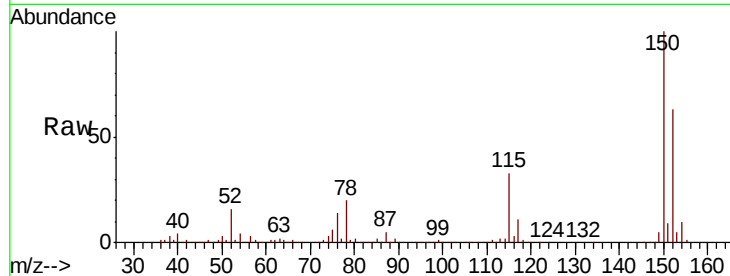


#72

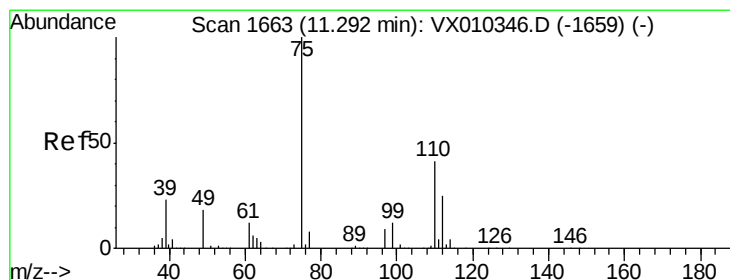
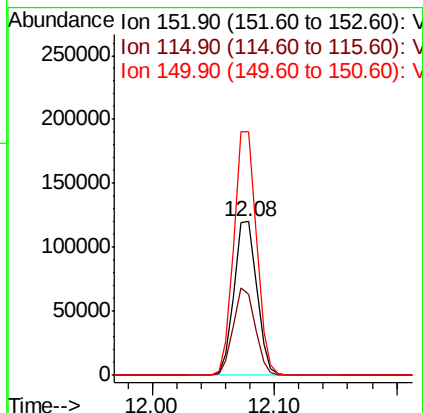
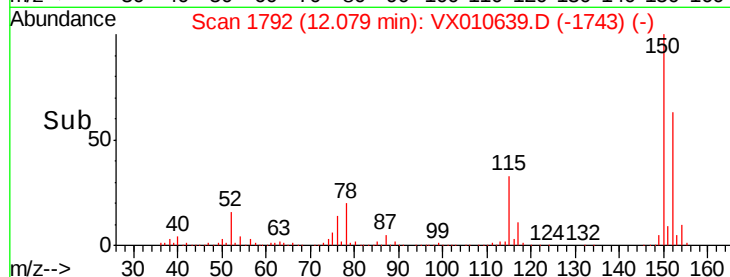
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010639.D
Acq: 03 Jul 2019 14:51

Instrument :
MSVOA_X
ClientSampled :
MW-A

Tot Ion:152 Resp: 154543
Ion Ratio Lower Upper
152 100
115 54.7 38.6 115.7
150 157.1 0.0 347.4



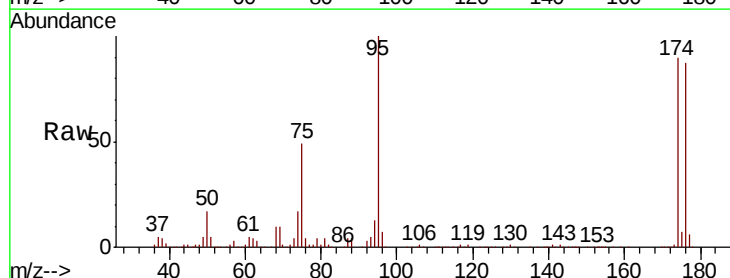
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



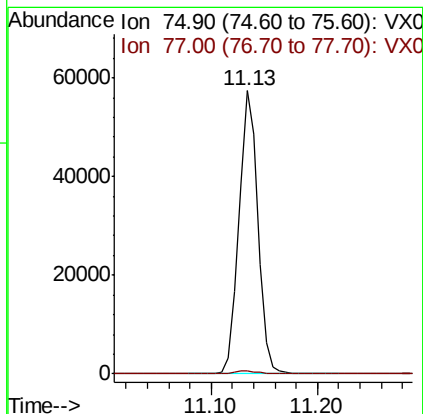
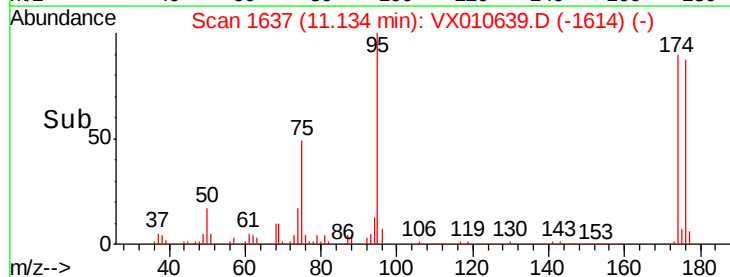
#76

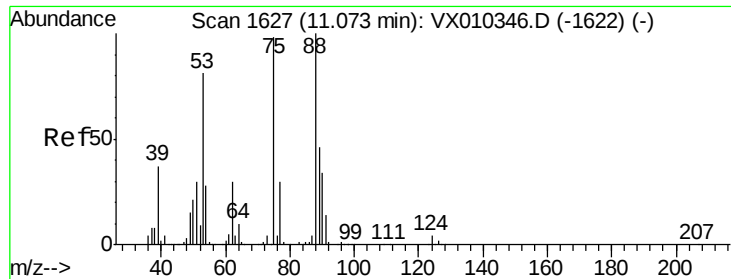
1,2,3-Trichloropropane
Concen: 25.513 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010639.D
Acq: 03 Jul 2019 14:51

Tgt Ion: 75 Resp: 71850
Ion Ratio Lower Upper
75 100
77 1.2 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: 59.520 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010639.D
 Acq: 03 Jul 2019 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-A

Tot Ion: 75 Resp: 71850
 Ion Ratio Lower Upper
 75 100
 53 0.4 66.1 99.1#
 89 0.0 37.8 56.6#

