

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010278.D
 Acq On : 13 Jun 2019 17:22
 Operator : JC/SP
 Sample : K3341-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:35:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	325960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	490206	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	437070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208125	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	145767	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	5.50	113	147580	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	568672	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	194575	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

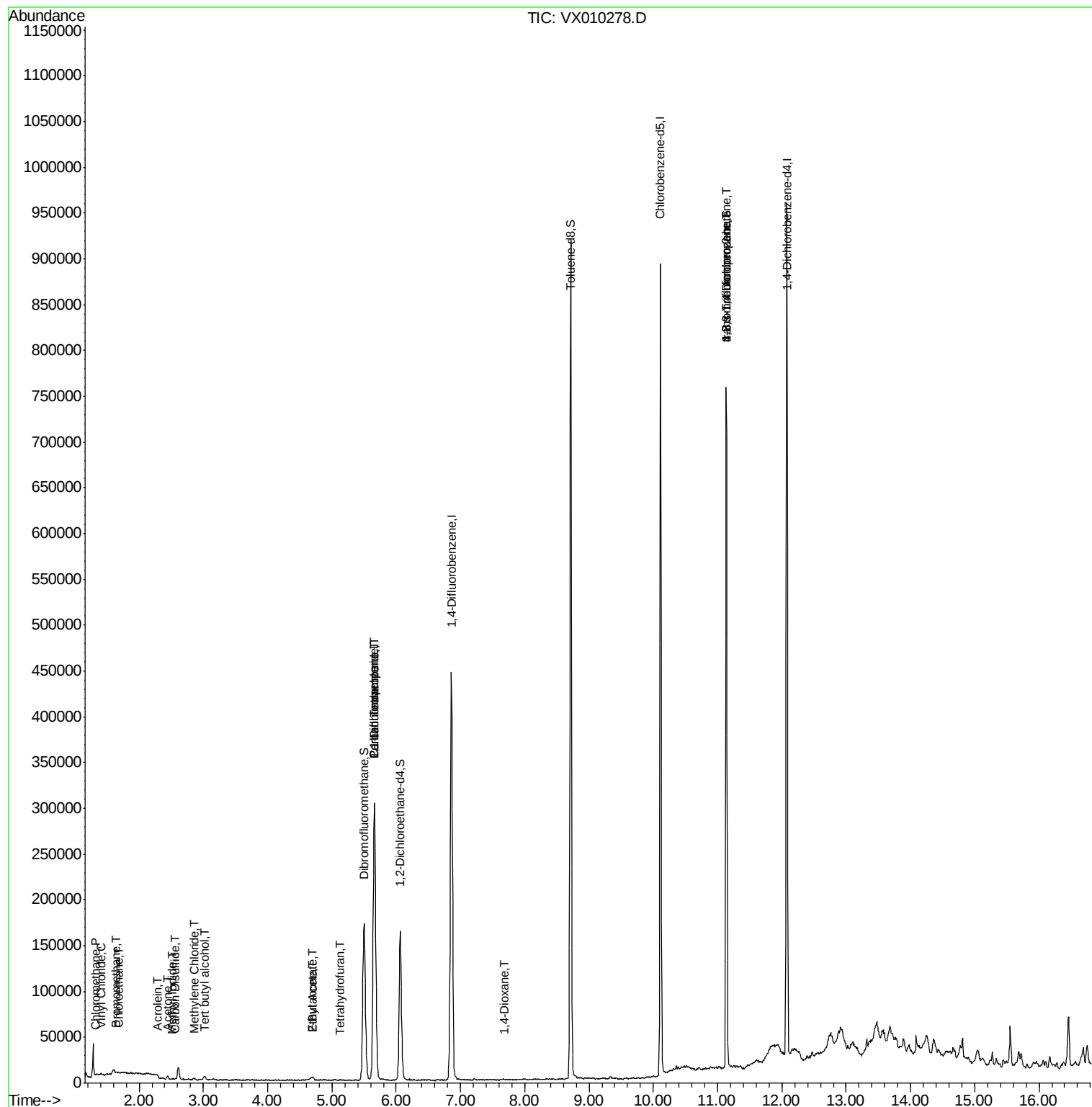
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	662	0.222	ug/l	96
4) Vinyl Chloride	1.41	62	1231	0.440	ug/l	95
5) Bromomethane	1.64	94	442	0.418	ug/l	95
6) Chloroethane	1.68	64	538	0.381	ug/l #	43
10) Methyl Iodide	2.52	142	1347	0.303	ug/l	97
11) Tert butyl alcohol	3.02	59	2527	3.242	ug/l #	83
13) Acrolein	2.29	56	297	2.090	ug/l #	64
16) Acetone	2.45	43	4162	2.781	ug/l #	80
17) Carbon Disulfide	2.57	76	1897	0.224	ug/l #	80
20) Methylene Chloride	2.85	84	922	0.281	ug/l #	84
25) 2-Butanone	4.71	43	1031	0.463	ug/l	97
29) Tetrahydrofuran	5.12	42	481	0.343	ug/l #	56
36) 1,1-Dichloropropene	5.65	75	19318	4.830	ug/l #	51
37) Ethyl Acetate	4.71	43	1031	0.248	ug/l	96
38) Carbon Tetrachloride	5.66	117	28709	6.342	ug/l #	16
49) 1,4-Dioxane	7.68	88	19	0.205	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	87561	21.034	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	87561	46.472	ug/l #	10

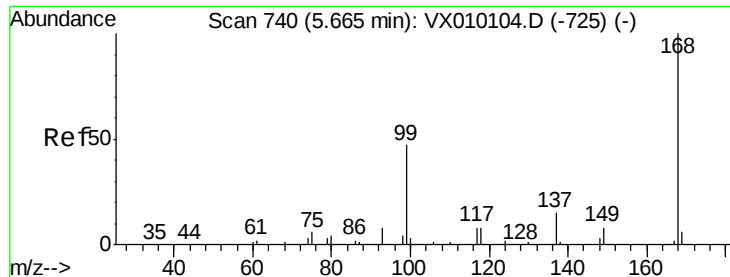
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

Instrument :

MSVOA_X

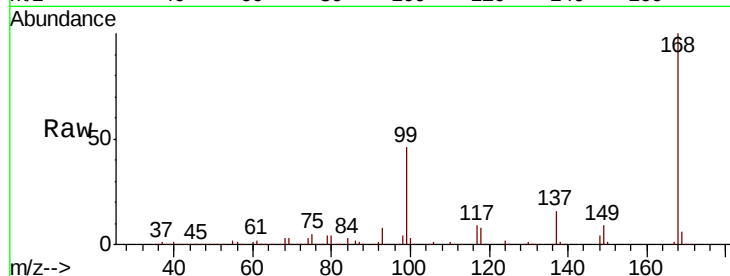
ClientSampled :

Tot Ion:168 Resp: 325960

Ion Ratio Lower Upper

168 100

99 46.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

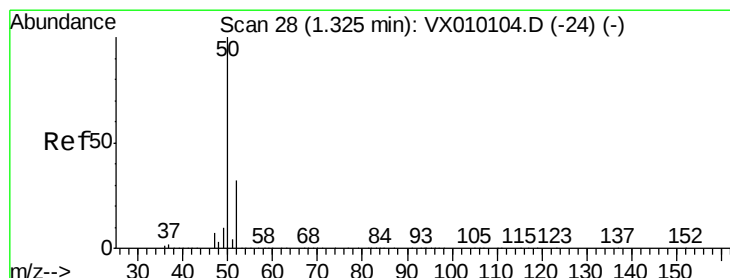
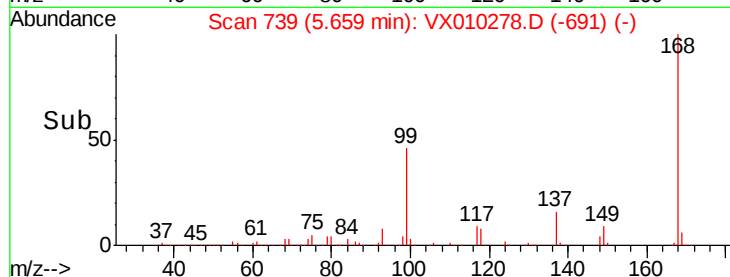
5.66

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010278.D

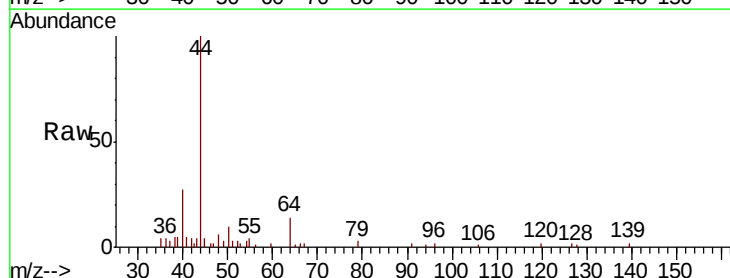
Acq: 13 Jun 2019 17:22

Tgt Ion: 50 Resp: 662

Ion Ratio Lower Upper

50 100

52 34.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

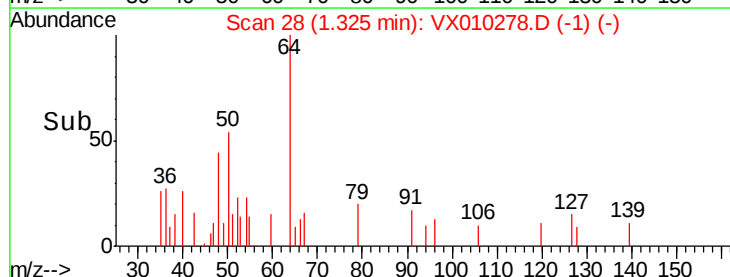
300

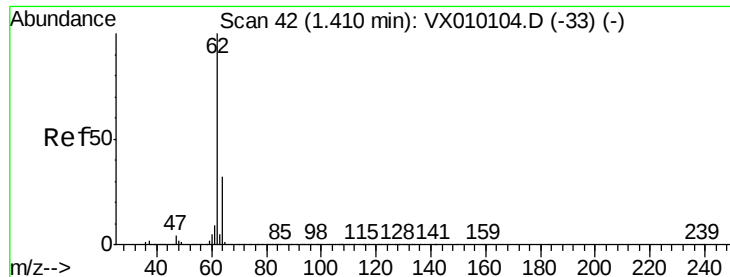
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.440 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

Instrument :

MSVOA_X

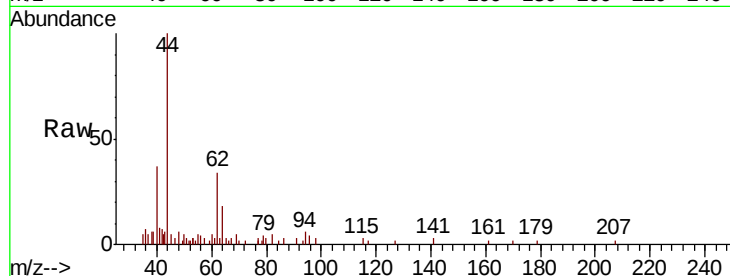
ClientSampled :

Tot Ion: 62 Resp: 1231

Ion Ratio Lower Upper

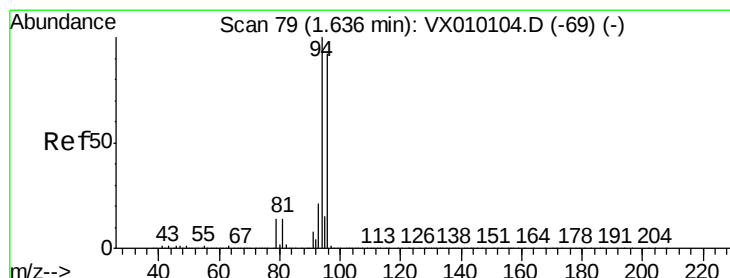
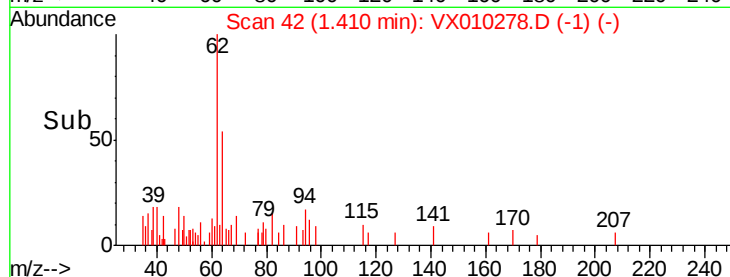
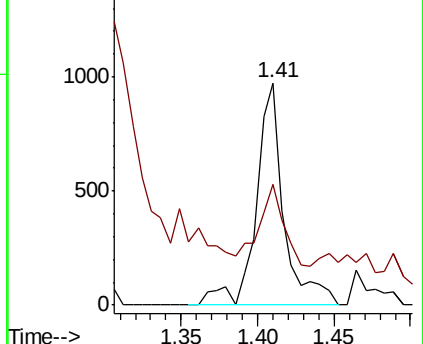
62 100

64 34.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.418 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010278.D

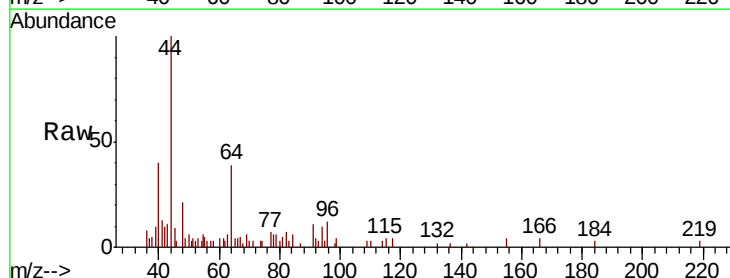
Acq: 13 Jun 2019 17:22

Tgt Ion: 94 Resp: 442

Ion Ratio Lower Upper

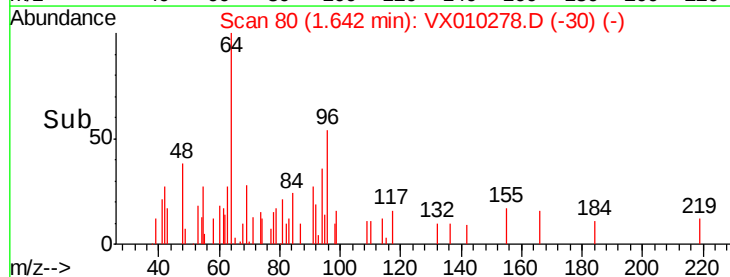
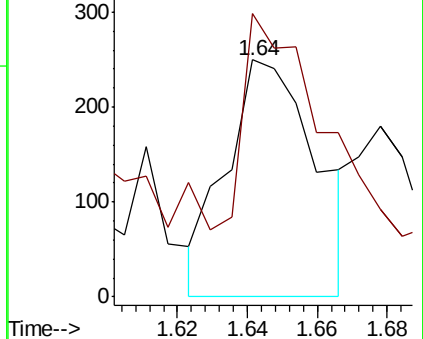
94 100

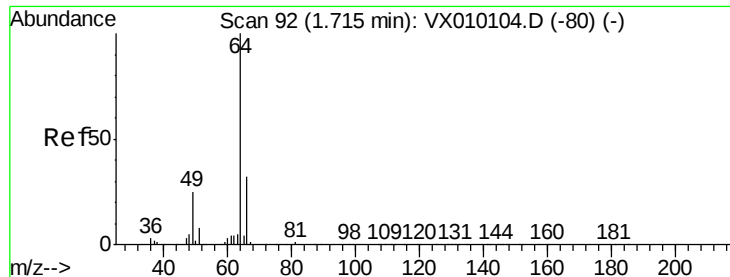
96 90.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.381 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

Instrument :

MSVOA_X

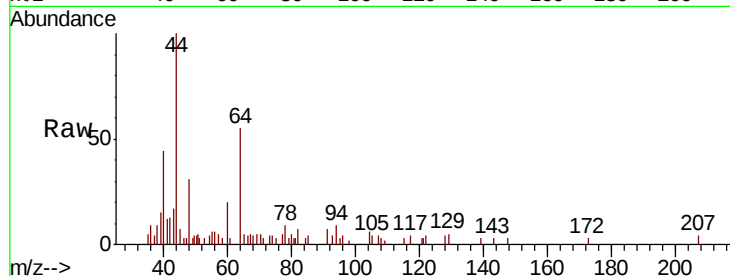
ClientSampled :

Tot Ion: 64 Resp: 538

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

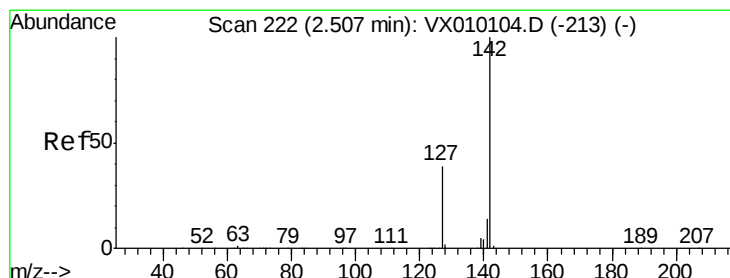
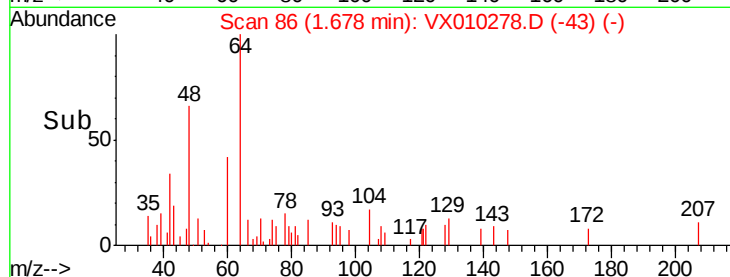
1.68

1000

500

0

Time-->



#10

Methyl Iodide

Concen: 0.303 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

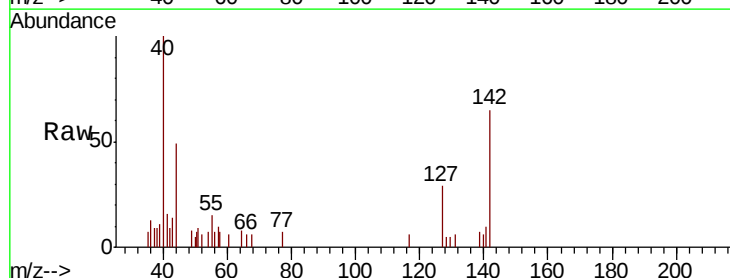
Tgt Ion:142 Resp: 1347

Ion Ratio Lower Upper

142 100

127 38.8 33.0 49.4

141 13.8 11.4 17.0



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

800

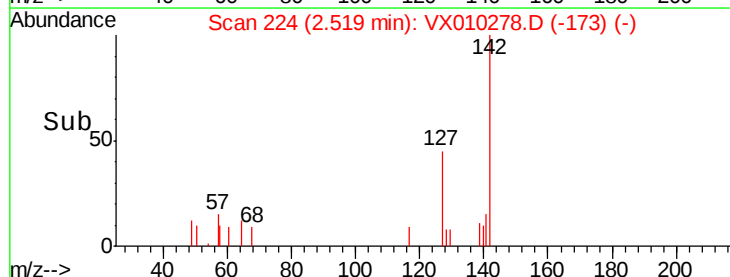
600

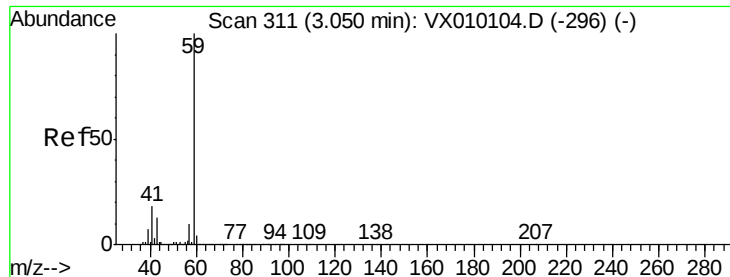
400

200

0

Time-->



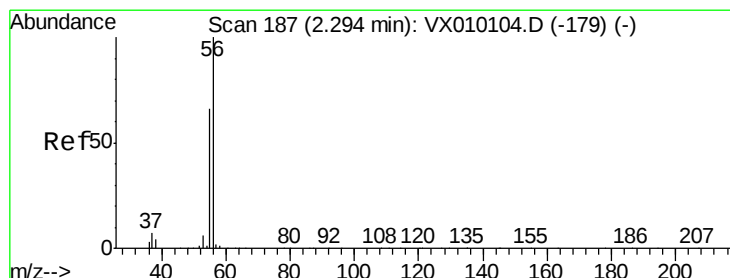
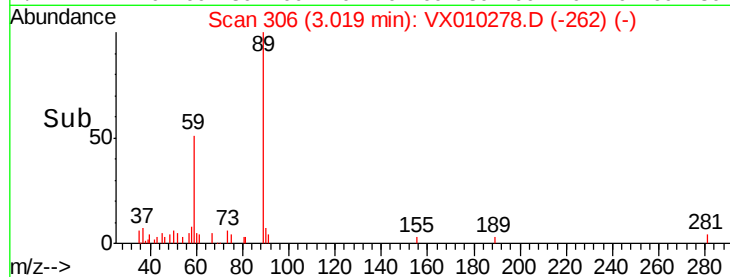
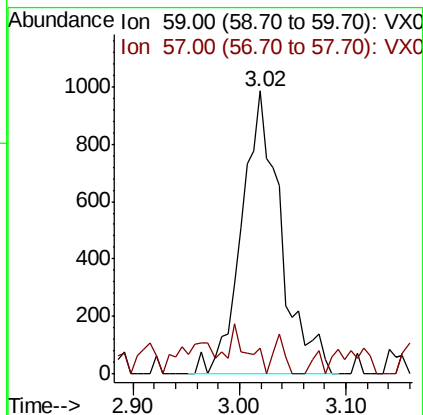
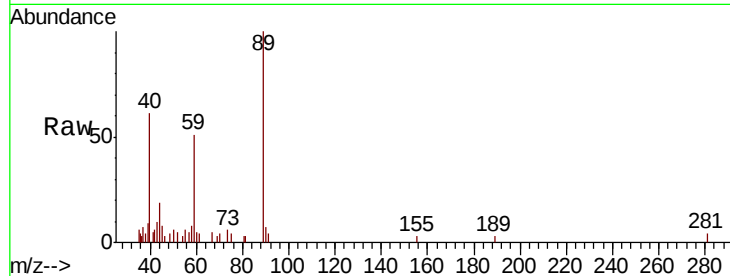


#11

Tert butyl alcohol
 Concen: 3.242 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010278.D
 Acq: 13 Jun 2019 17:22

Instrument :
 MSVOA_X
 ClientSampled :

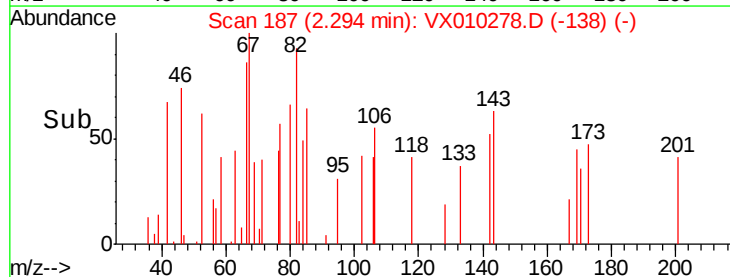
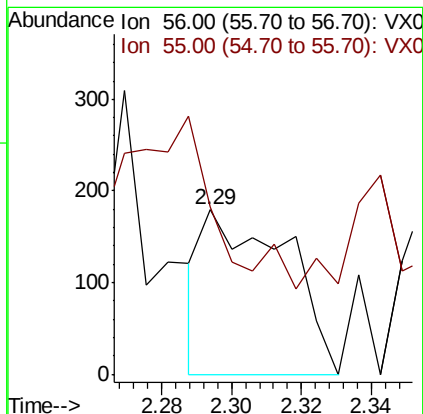
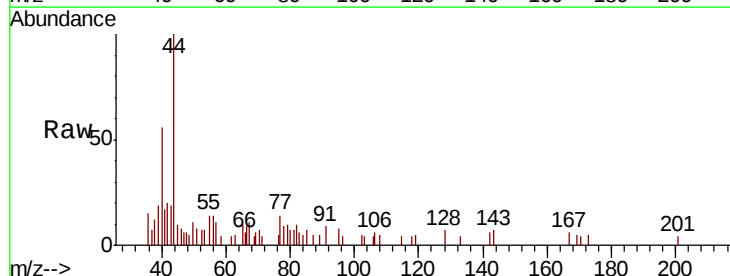
Tot Ion: 59 Resp: 2527
 Ion Ratio Lower Upper
 59 100
 57 3.9 8.2 12.2#

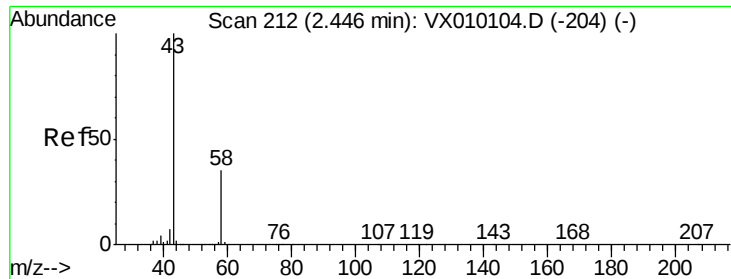


#13

Acrolein
 Concen: 2.090 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX010278.D
 Acq: 13 Jun 2019 17:22

Tgt Ion: 56 Resp: 297
 Ion Ratio Lower Upper
 56 100
 55 101.0 57.0 85.4#

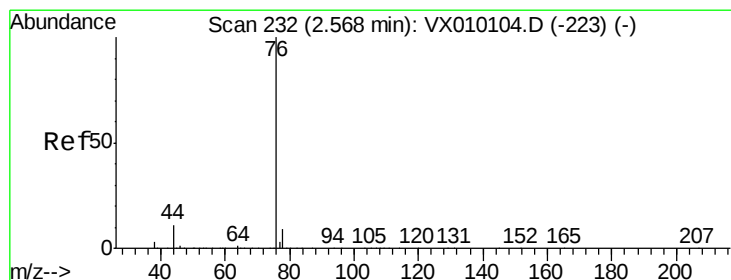
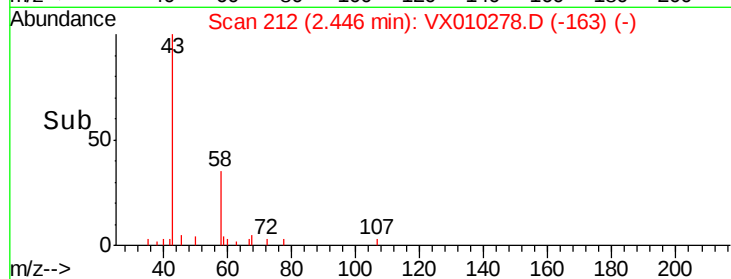
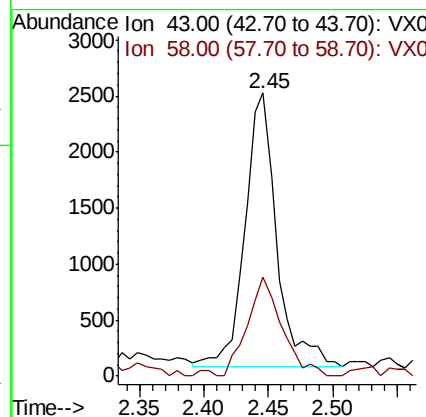
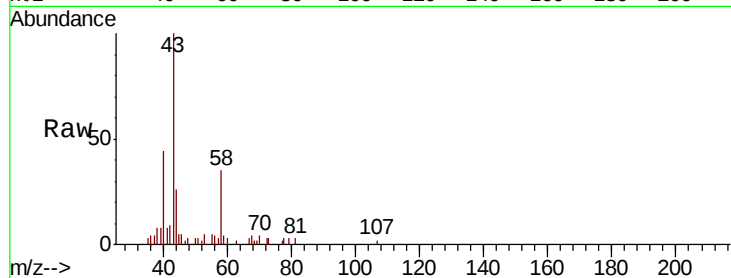




#16
Acetone
Concen: 2.781 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010278.D
Acq: 13 Jun 2019 17:22

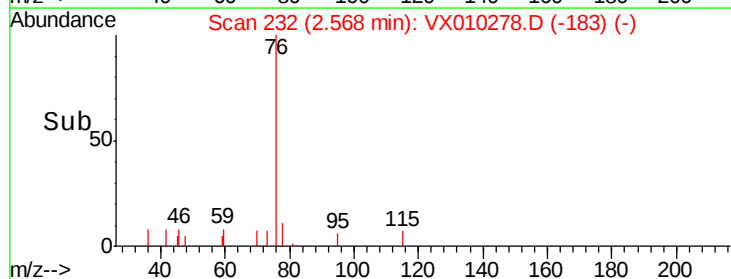
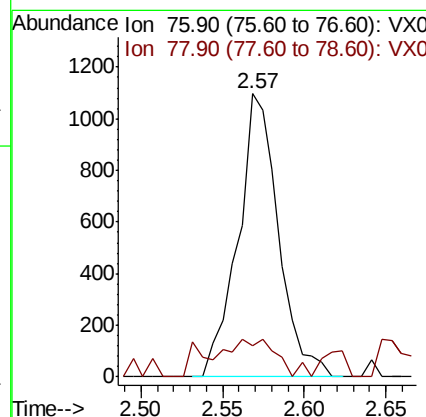
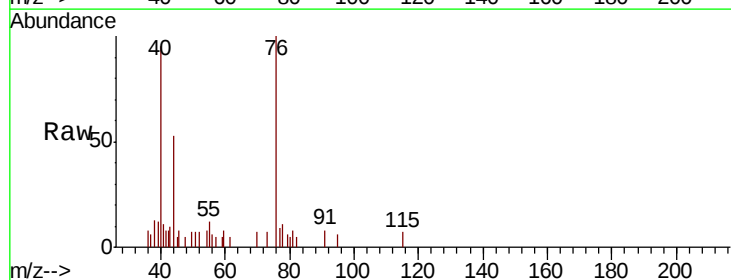
Instrument :
MSVOA_X
ClientSampleId :

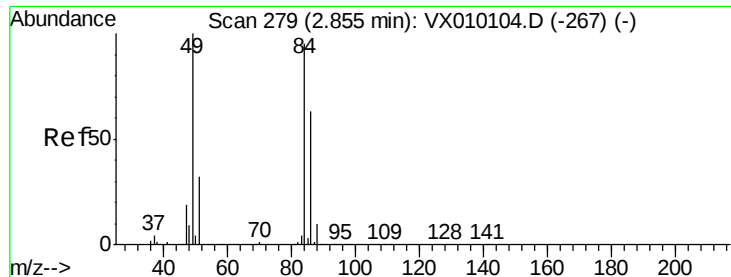
Tot Ion: 43 Resp: 4162
Ion Ratio Lower Upper
43 100
58 39.8 23.2 34.8#



#17
Carbon Disulfide
Concen: 0.224 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010278.D
Acq: 13 Jun 2019 17:22

Tgt Ion: 76 Resp: 1897
Ion Ratio Lower Upper
76 100
78 1.7 7.0 10.6#

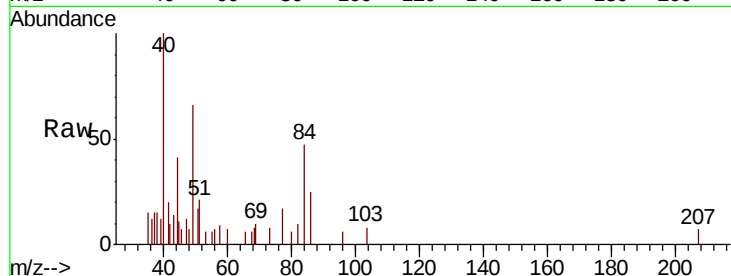




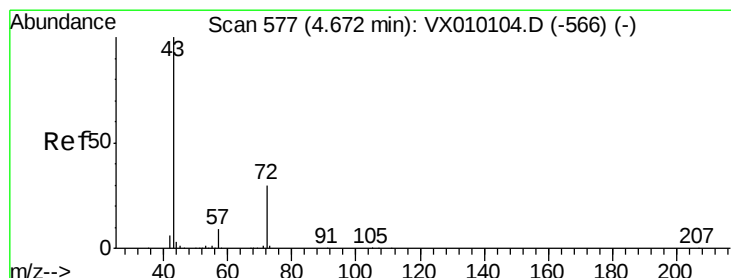
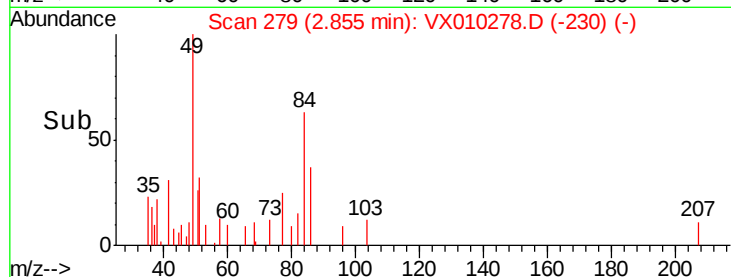
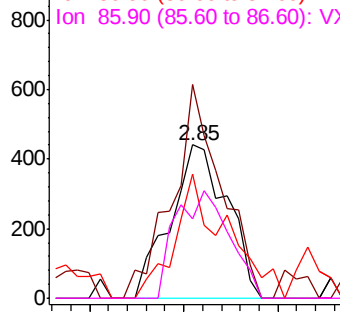
#20
Methvlene Chloride
Concen: 0.281 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010278.D
Acq: 13 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 922
Ion Ratio Lower Upper
84 100
49 139.5 115.8 173.6
51 80.9 34.4 51.6#
86 52.0 49.7 74.5

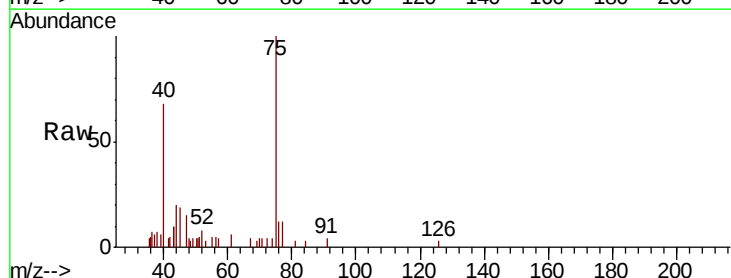


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

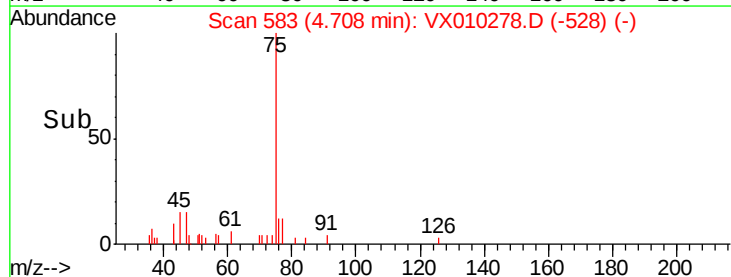
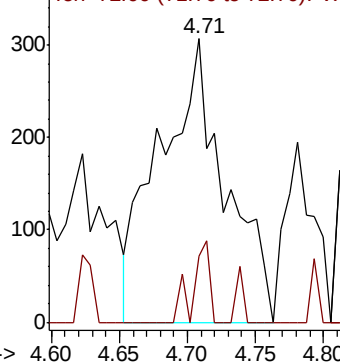


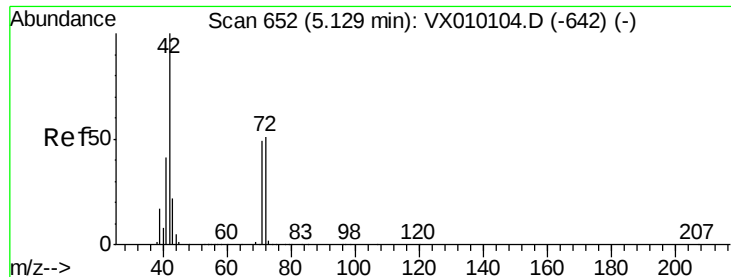
#25
2-Butanone
Concen: 0.463 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.04 min
Lab File: VX010278.D
Acq: 13 Jun 2019 17:22

Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
72 23.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 5.12 min Scan# 651

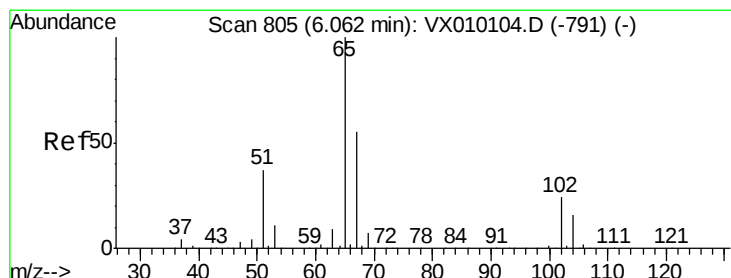
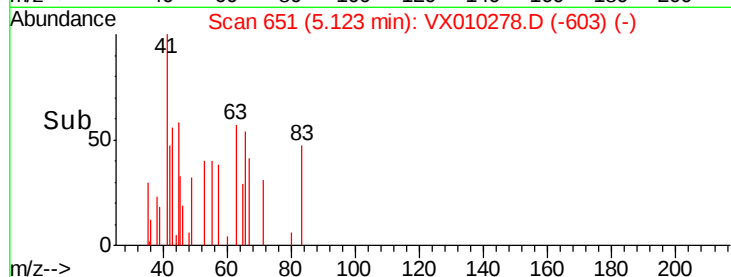
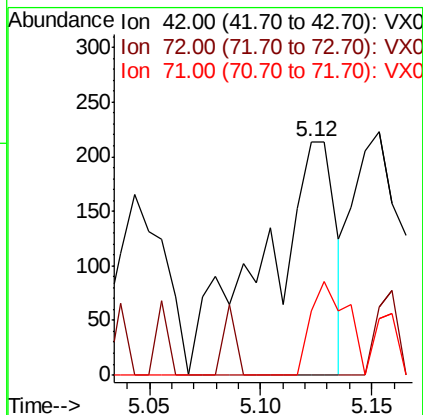
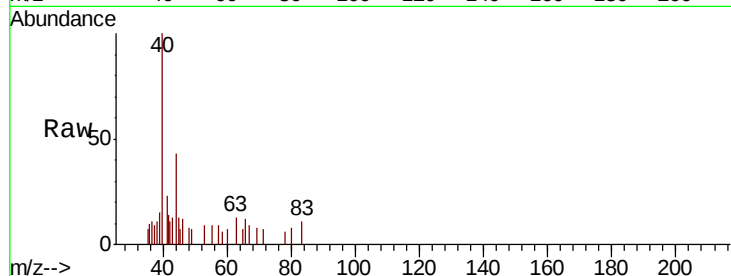
Delta R.T. -0.01 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.2	43.8#
71	20.4	27.6	41.4#



#33

1,2-Dichloroethane-d4

Concen: 45.814 ug/l

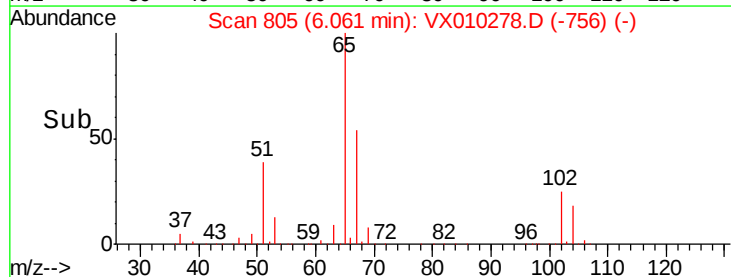
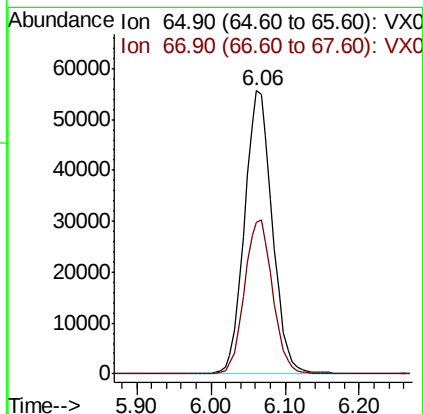
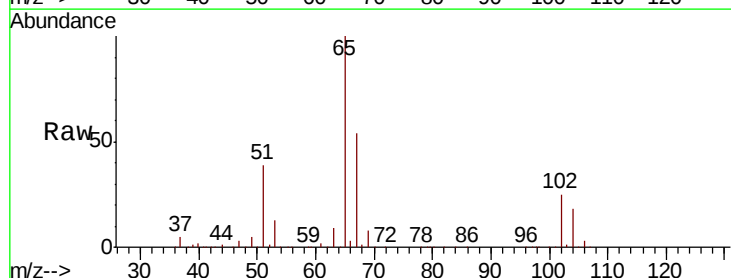
RT: 6.06 min Scan# 805

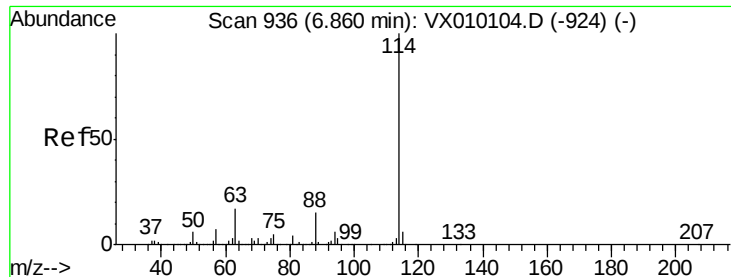
Delta R.T. 0.00 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

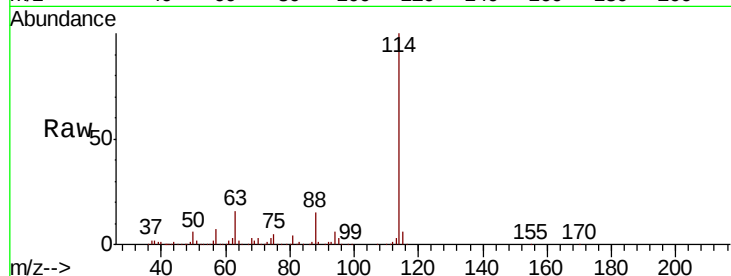
Tot Ion:114 Resp: 490206

Ion Ratio Lower Upper

114 100

63 16.1 0.0 47.4

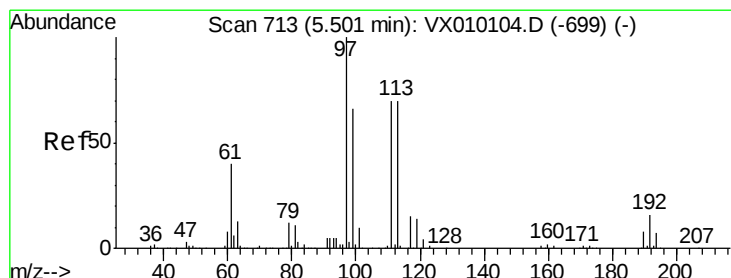
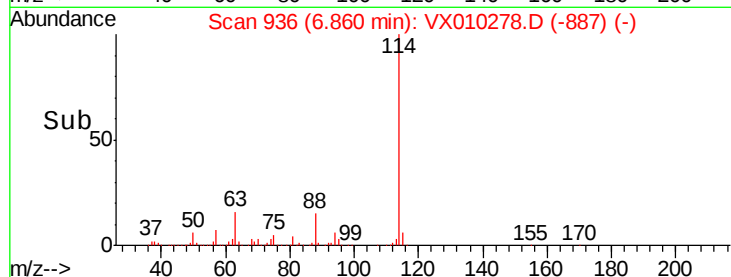
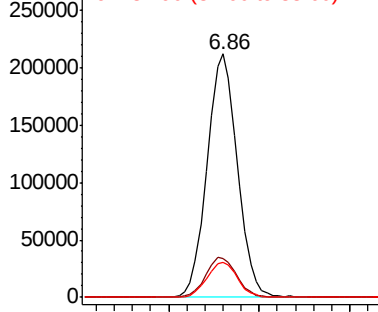
88 14.6 0.0 33.0



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: 48.808 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

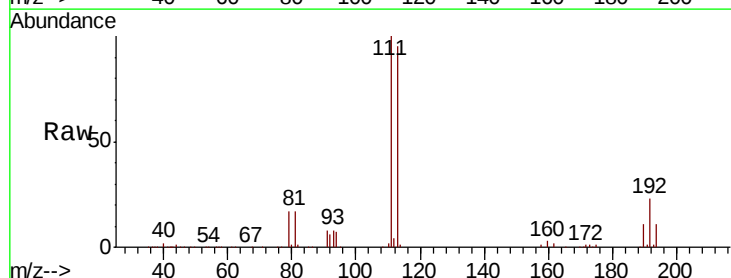
Tgt Ion:113 Resp: 147580

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

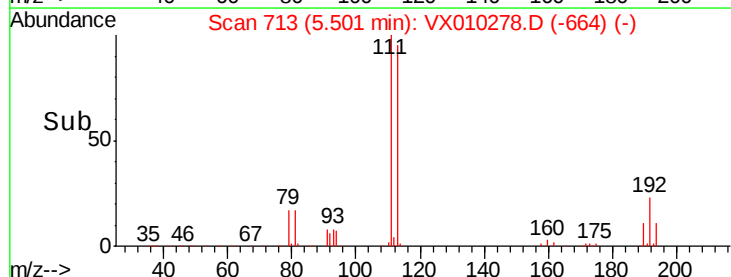
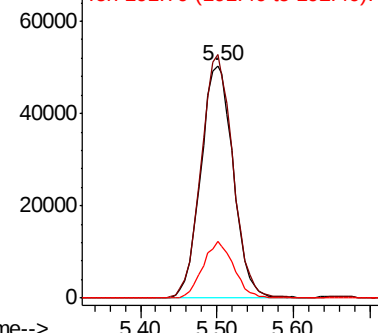
192 23.2 17.1 25.7

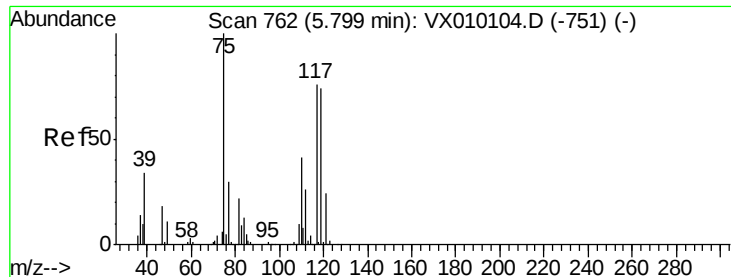


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampled :

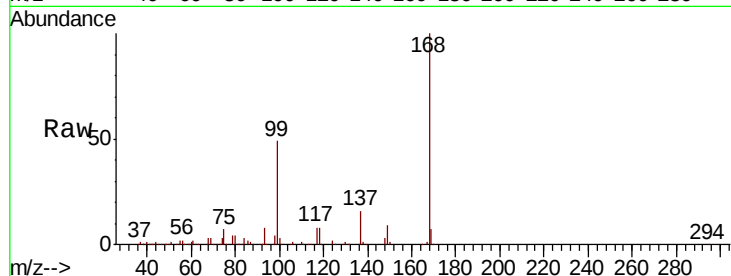
Tot Ion: 75 Resp: 19318

Ion Ratio Lower Upper

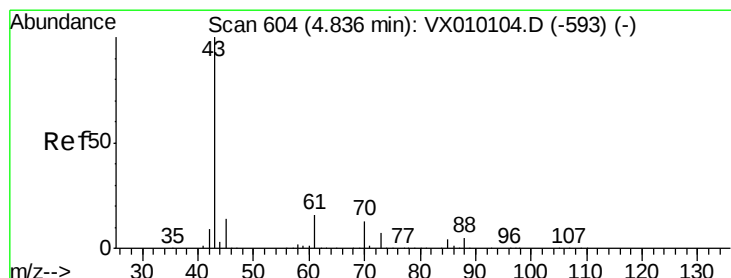
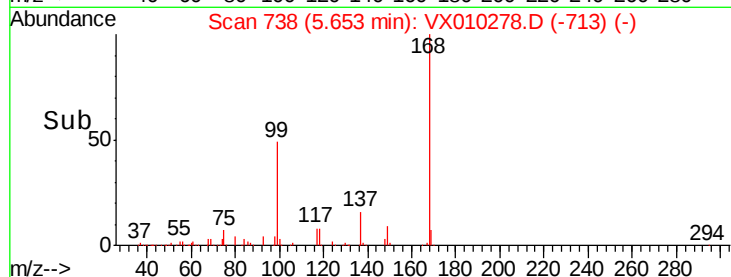
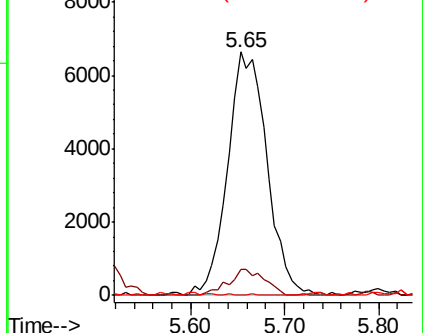
75 100

110 9.7 16.7 50.1#

77 0.1 25.0 37.4#



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



#37

Ethyl Acetate

Concen: 0.248 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.13 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

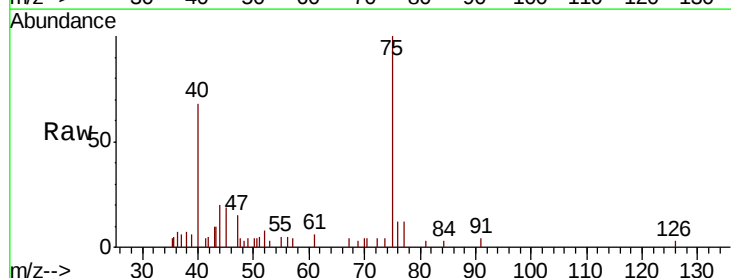
Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

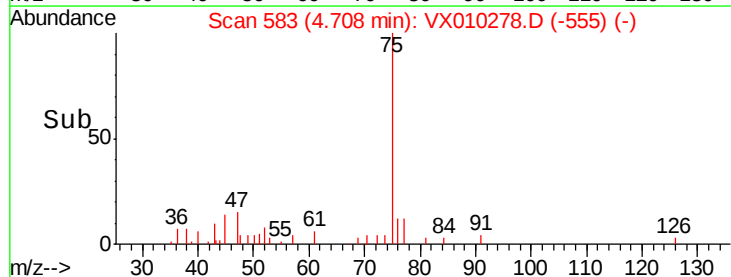
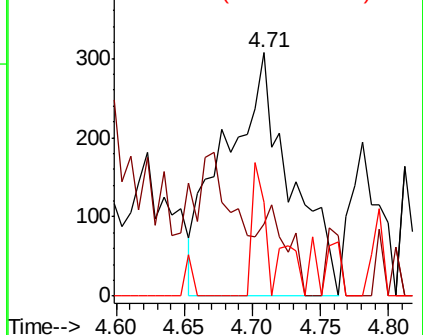
43 100

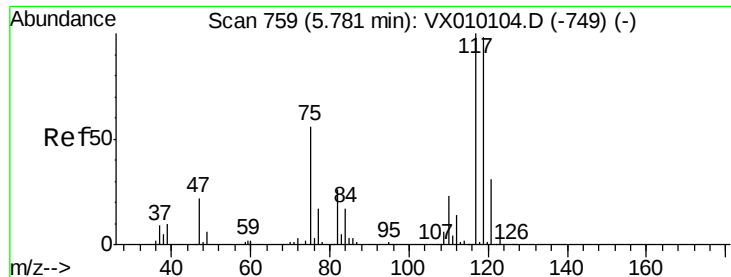
61 14.7 10.2 15.2

70 10.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.342 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

Instrument :

MSVOA_X

ClientSampled :

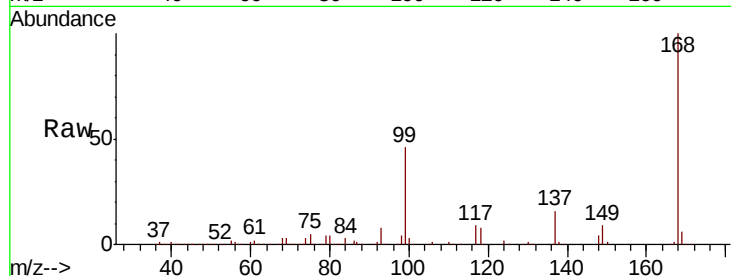
Tot Ion:117 Resp: 28709

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

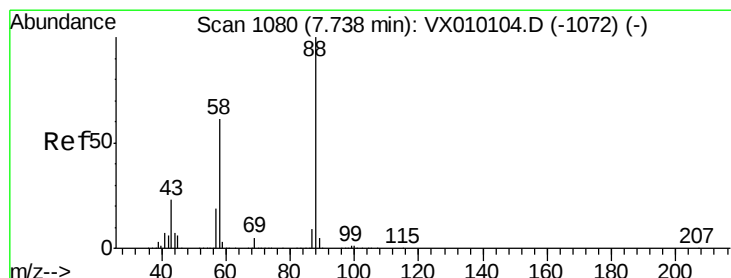
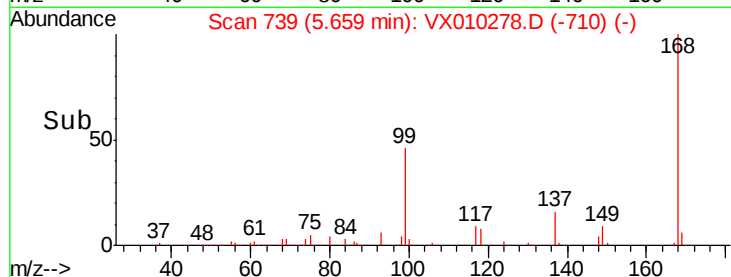
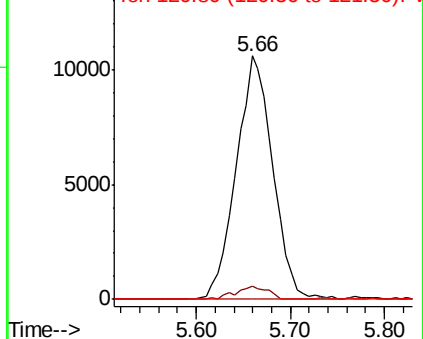
121 0.0 25.4 38.0#



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



#49

1,4-Dioxane

Concen: 0.205 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.05 min

Lab File: VX010278.D

Acq: 13 Jun 2019 17:22

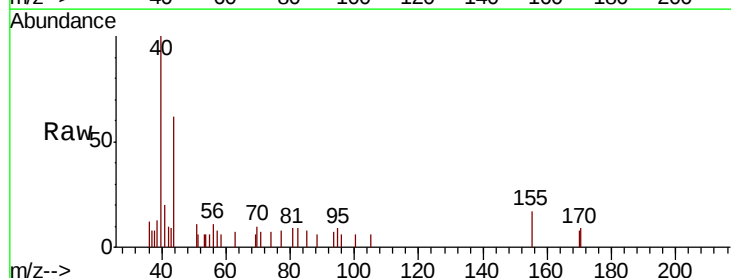
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 194.7 30.2 45.4#

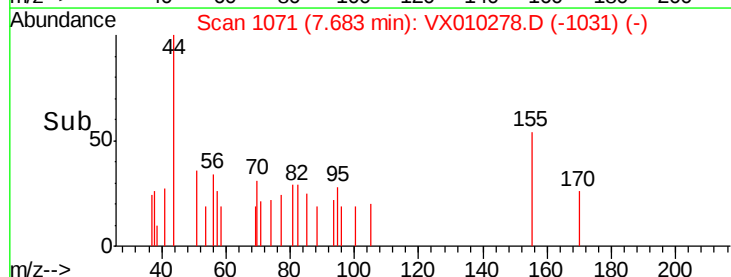
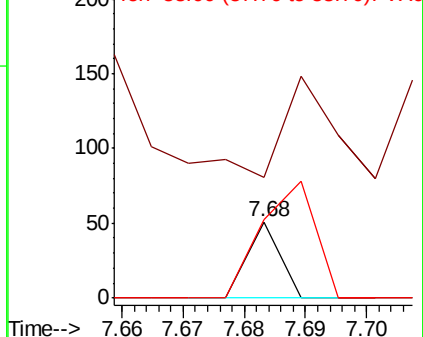
58 0.0 64.0 96.0#

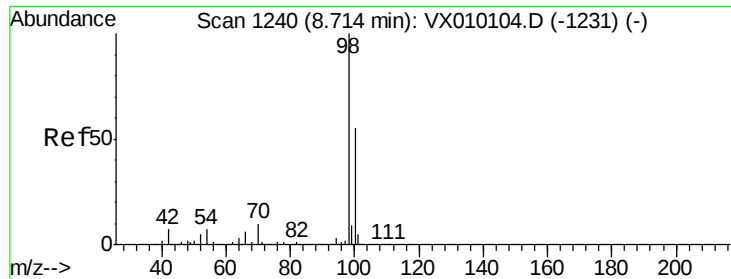


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

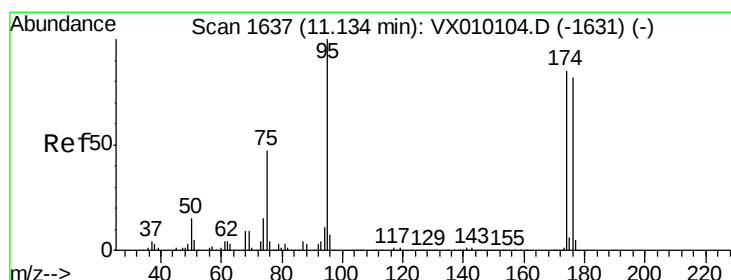
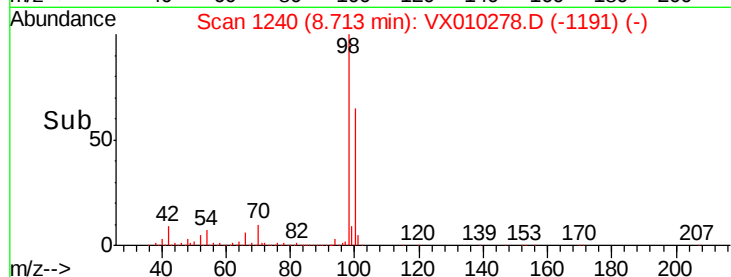
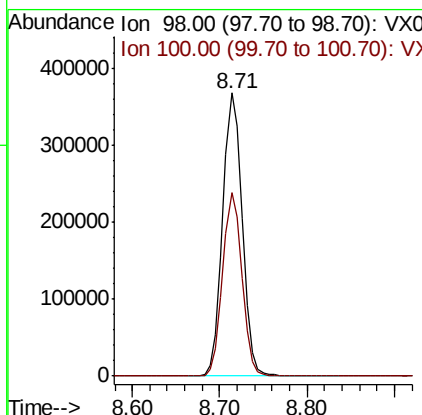
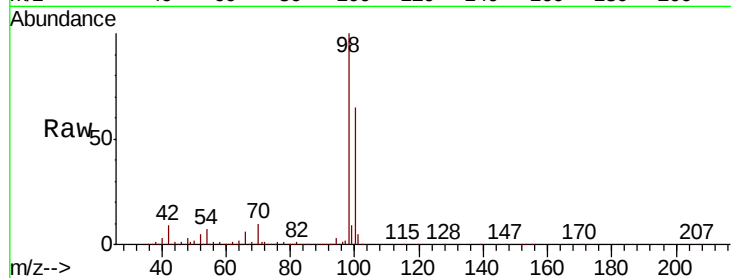




#50
Toluene-d8
Concen: 50.181 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010278.D
Acq: 13 Jun 2019 17:22

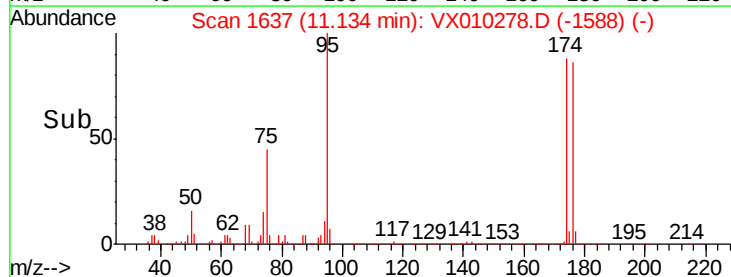
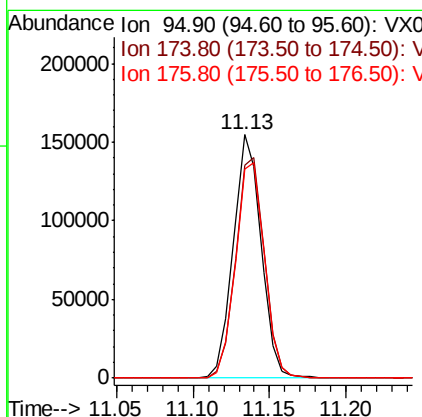
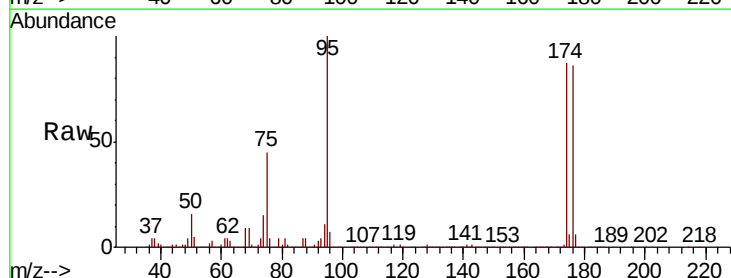
Instrument :
MSVOA_X
ClientSampleId :

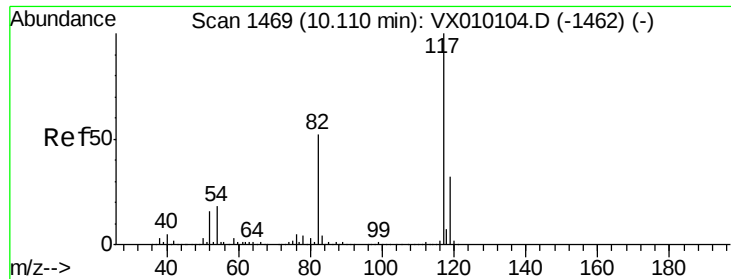
Tot Ion: 98 Resp: 568672
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 45.975 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010278.D
Acq: 13 Jun 2019 17:22

Tgt Ion: 95 Resp: 194575
Ion Ratio Lower Upper
95 100
174 94.4 0.0 160.4
176 92.4 0.0 154.6

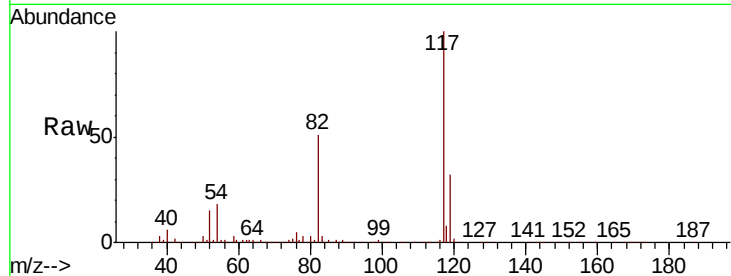




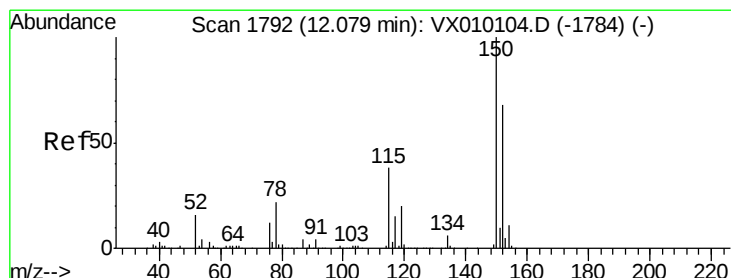
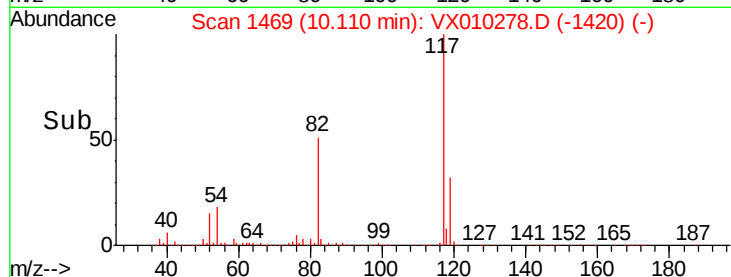
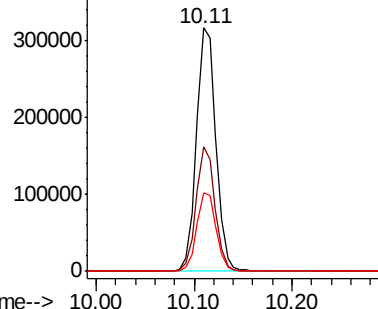
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010278.D
Acq: 13 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 437070
Ion Ratio Lower Upper
117 100
82 51.0 49.2 73.8
119 32.4 25.2 37.8

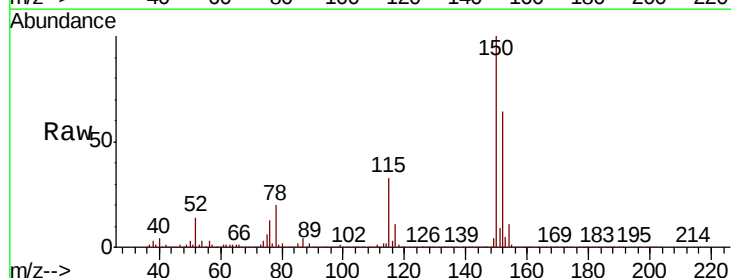


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

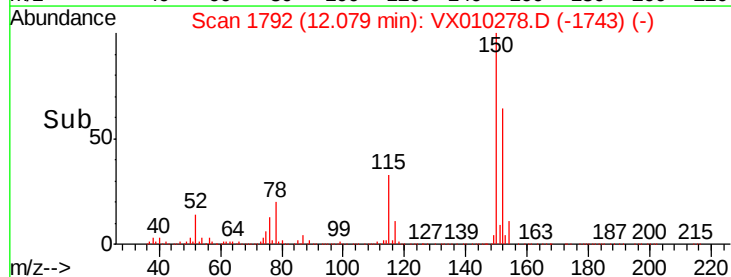
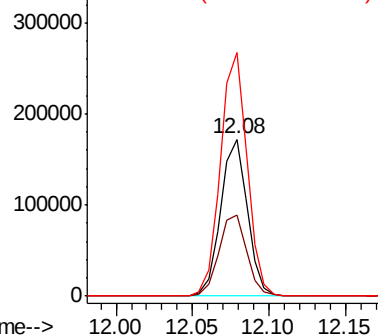


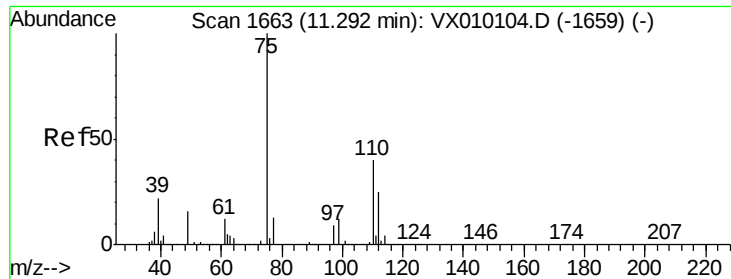
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010278.D
Acq: 13 Jun 2019 17:22

Tgt Ion:152 Resp: 208125
Ion Ratio Lower Upper
152 100
115 53.6 41.4 124.2
150 155.6 0.0 345.2



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

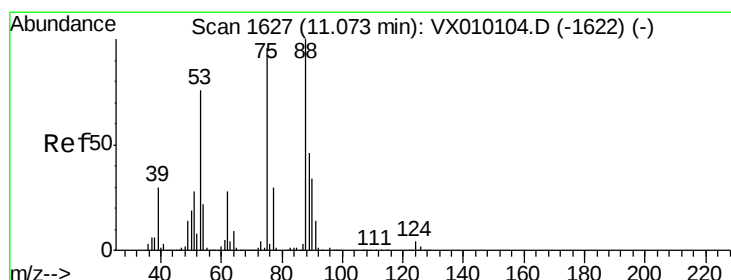
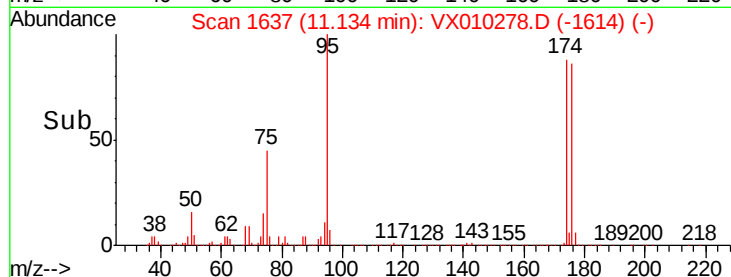
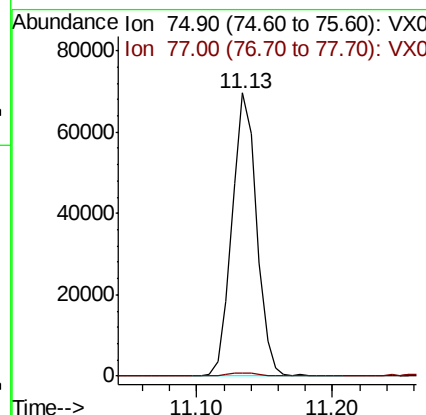
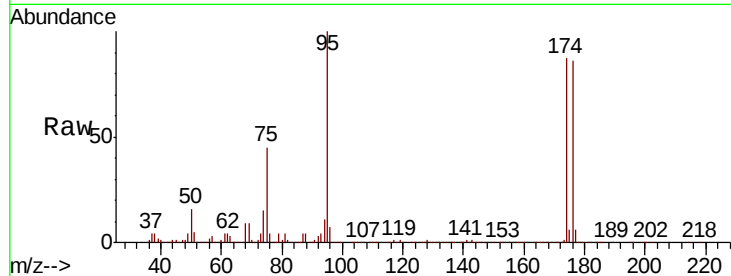




#76
 1,2,3-Trichloropropane
 Concen: 21.034 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010278.D
 Acq: 13 Jun 2019 17:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 87561
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.472 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010278.D
 Acq: 13 Jun 2019 17:22

Tgt Ion: 75 Resp: 87561
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.8 119.6#
 89 0.2 34.2 51.4#

