

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010079.D
 Acq On : 05 Jun 2019 16:04
 Operator : JC/SP
 Sample : K3190-10 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:33:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	168050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111983	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	109907	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
35) Dibromofluoromethane	5.50	113	80781	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	339861	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	119988	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

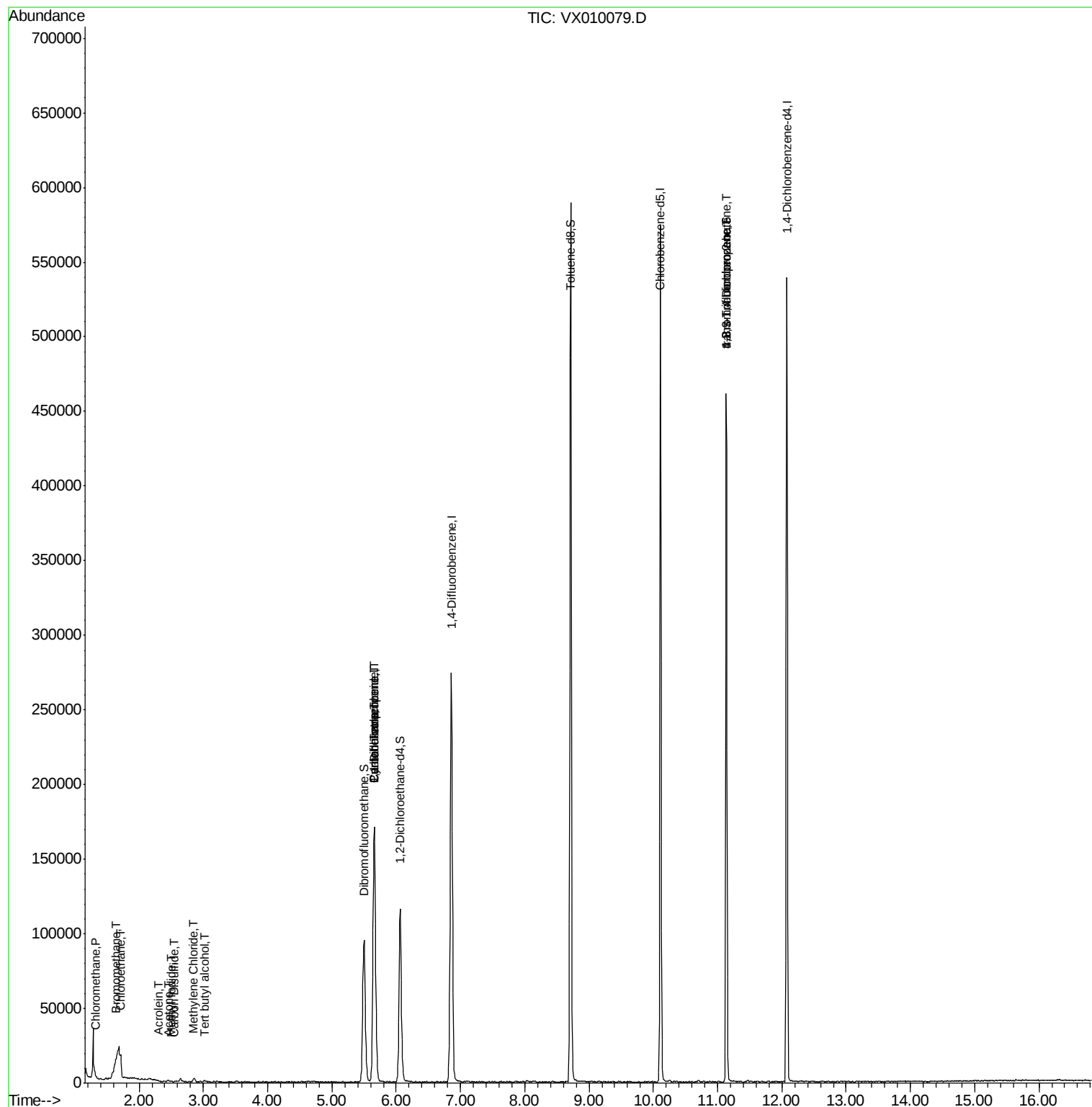
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	606	0.220	ug/l	89
5) Bromomethane	1.64	94	579	0.384	ug/l #	78
6) Chloroethane	1.71	64	672	0.439	ug/l	94
10) Methyl Iodide	2.50	142	133	4.715	ug/l #	64
11) Tert butyl alcohol	3.03	59	525	0.899	ug/l #	73
13) Acrolein	2.30	56	48	21.203	ug/l #	70
16) Acetone	2.45	43	984	0.717	ug/l	98
17) Carbon Disulfide	2.56	76	361	0.454	ug/l #	76
20) Methylene Chloride	2.85	84	1081	0.515	ug/l	92
31) Cyclohexane	5.66	56	3929	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12739	4.703	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15760	6.734	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	61599	23.003	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61599	56.913	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 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: VX010079.D

Acq: 05 Jun 2019 16:04

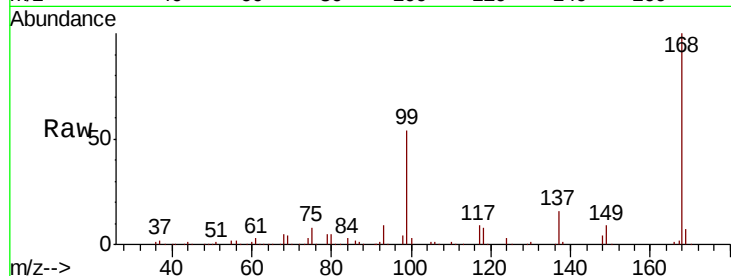
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 168050

Ion Ratio Lower Upper

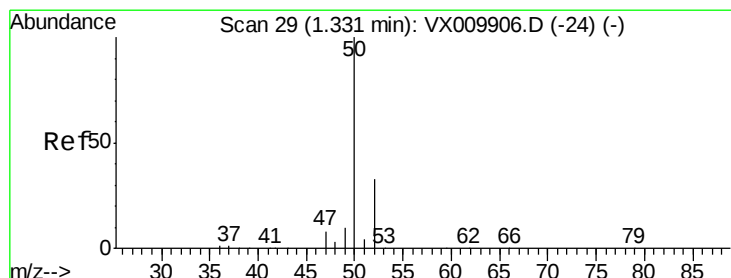
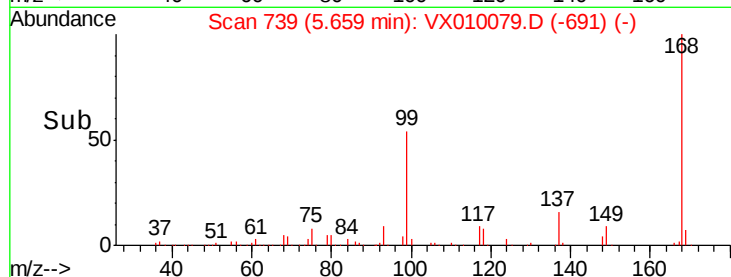
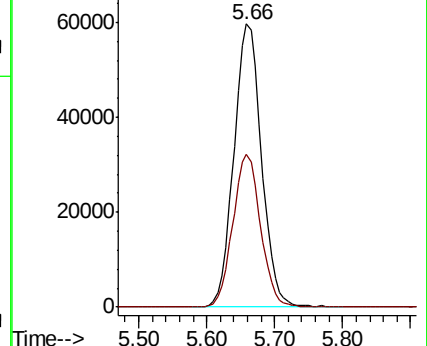
168 100

99 53.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.220 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010079.D

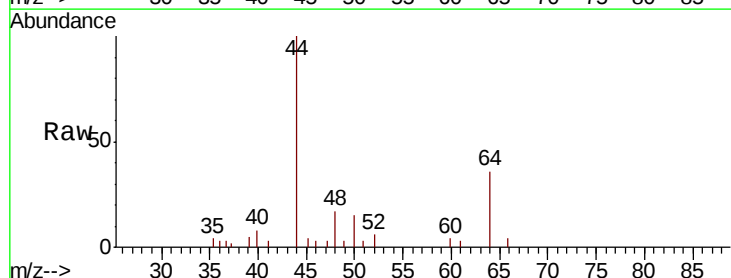
Acq: 05 Jun 2019 16:04

Tgt Ion: 50 Resp: 606

Ion Ratio Lower Upper

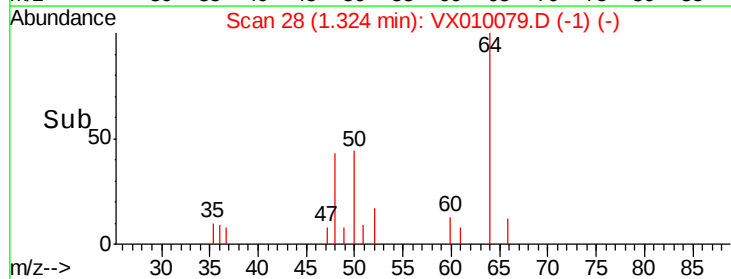
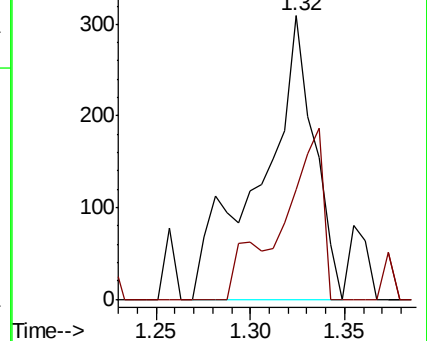
50 100

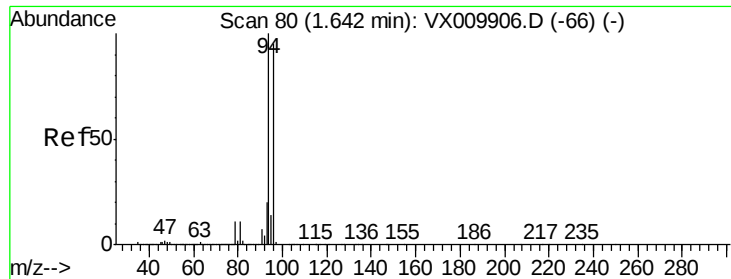
52 38.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.384 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

Instrument :

MSVOA_X

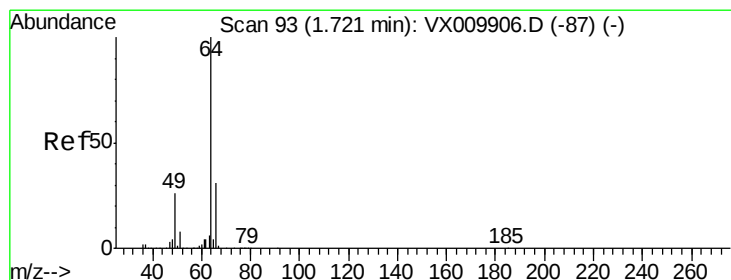
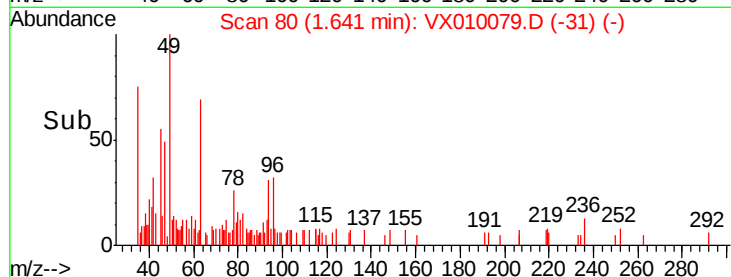
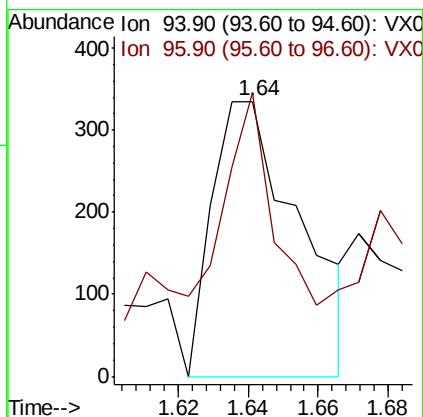
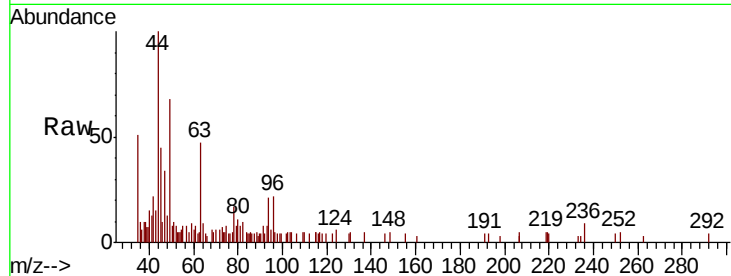
ClientSampleId :

Tot Ion: 94 Resp: 579

Ion Ratio Lower Upper

94 100

96 73.7 76.2 114.4#



#6

Chloroethane

Concen: 0.439 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010079.D

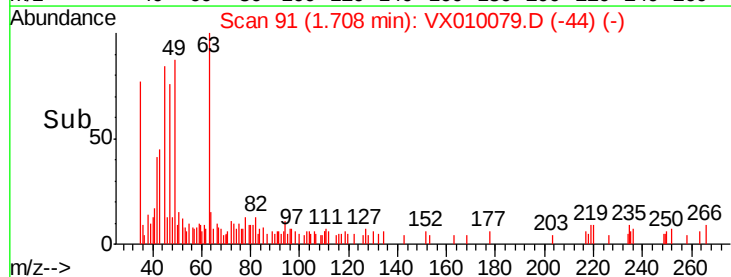
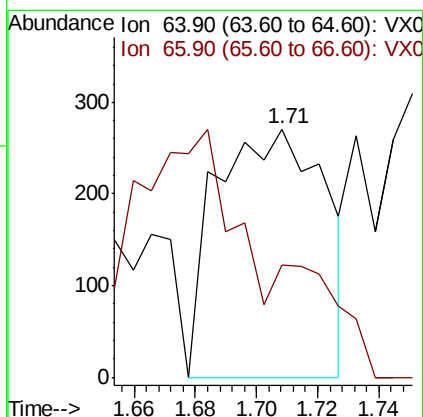
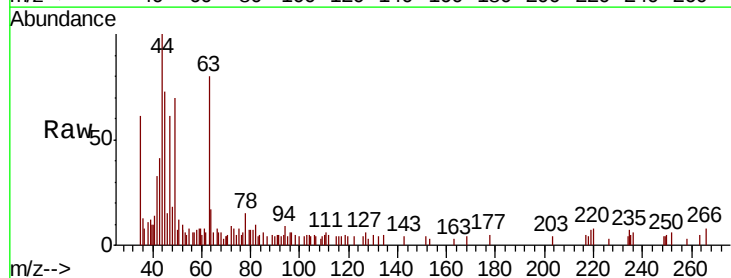
Acq: 05 Jun 2019 16:04

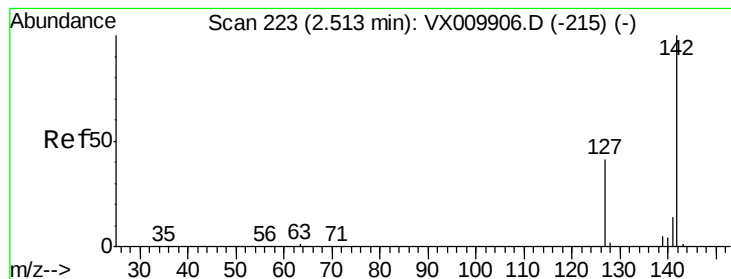
Tgt Ion: 64 Resp: 672

Ion Ratio Lower Upper

64 100

66 34.6 25.1 37.7





#10

Methyl Iodide

Concen: 4.715 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

Instrument :

MSVOA_X

ClientSampled :

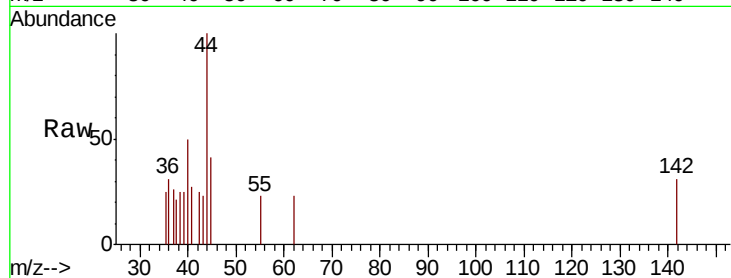
Tot Ion:142 Resp: 133

Ion Ratio Lower Upper

142 100

127 18.8 33.0 49.4#

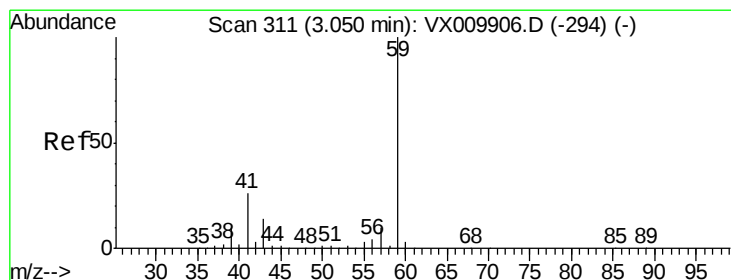
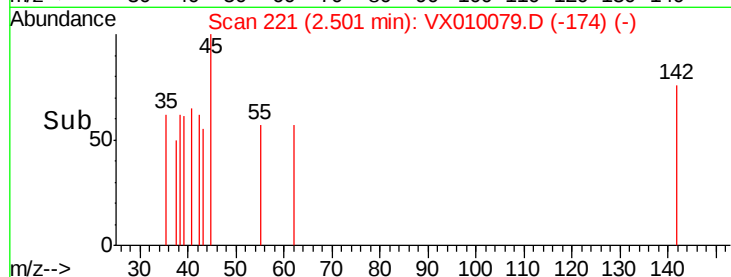
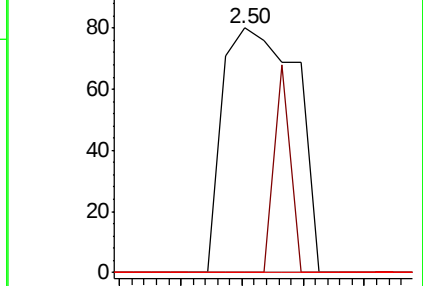
141 0.0 11.4 17.0#



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



#11

Tert butyl alcohol

Concen: 0.899 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010079.D

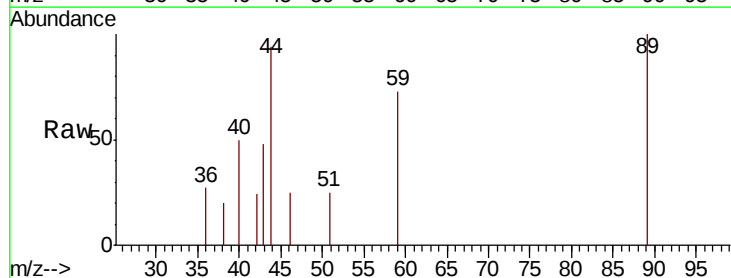
Acq: 05 Jun 2019 16:04

Tgt Ion: 59 Resp: 525

Ion Ratio Lower Upper

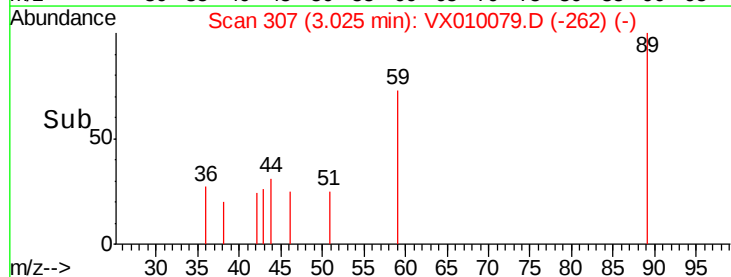
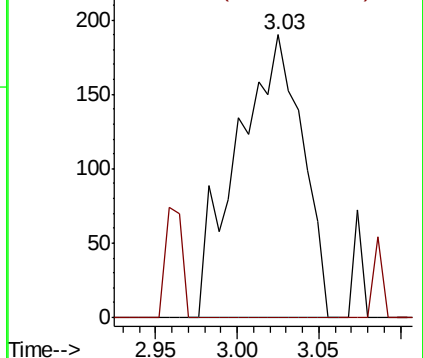
59 100

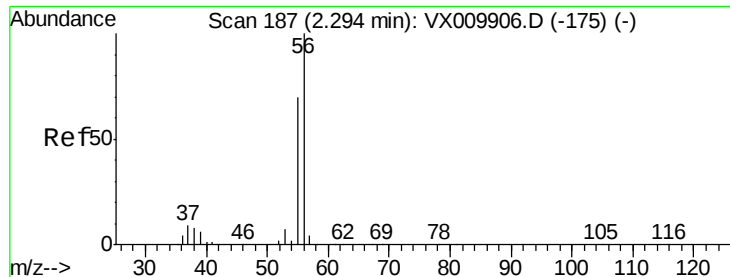
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 21.203 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

Instrument :

MSVOA_X

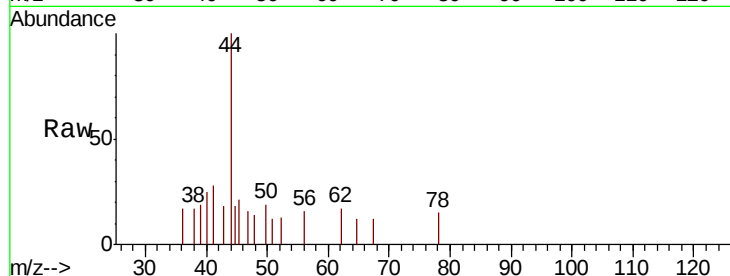
ClientSampleId :

Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

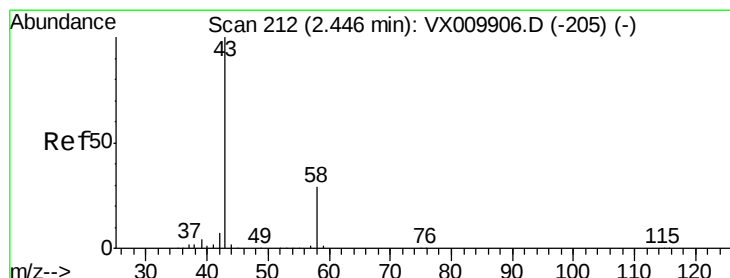
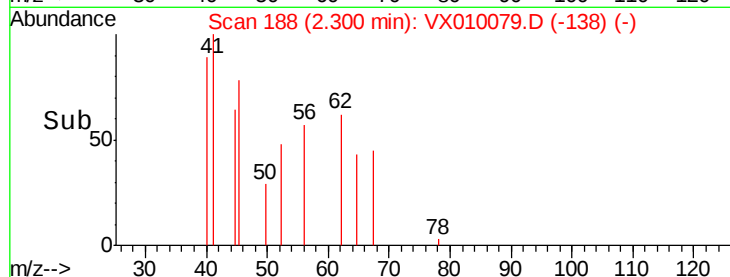
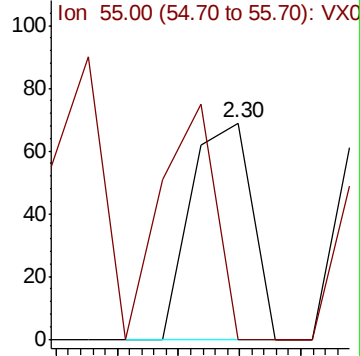
56 100

55 95.8 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.717 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010079.D

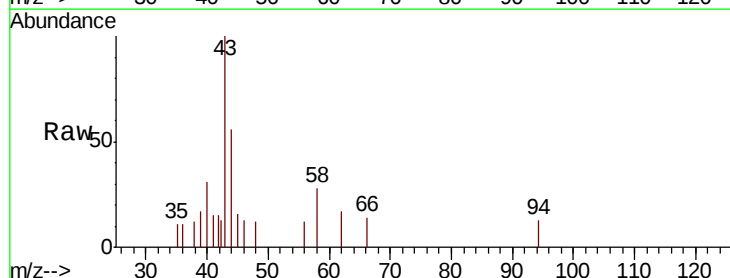
Acq: 05 Jun 2019 16:04

Tgt Ion: 43 Resp: 984

Ion Ratio Lower Upper

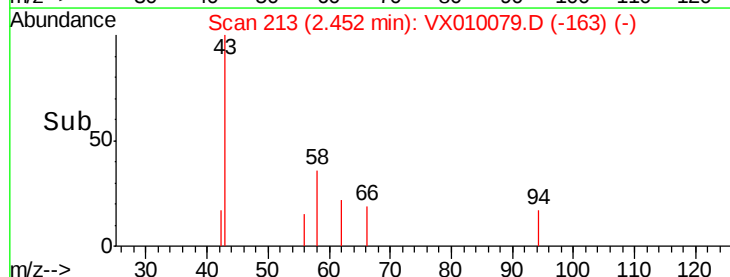
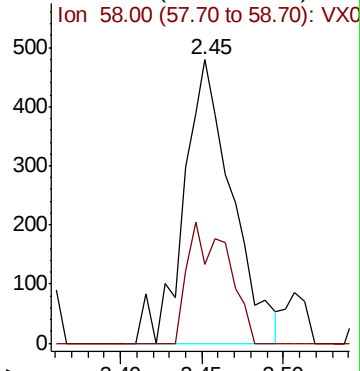
43 100

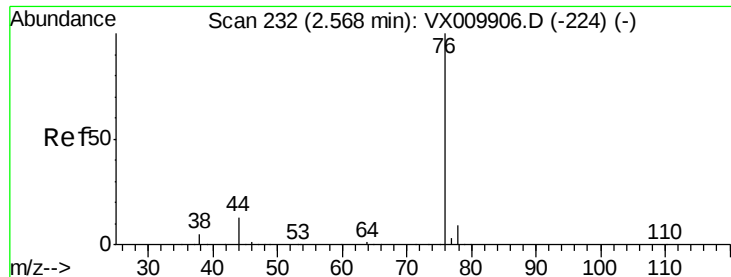
58 27.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.454 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

Instrument :

MSVOA_X

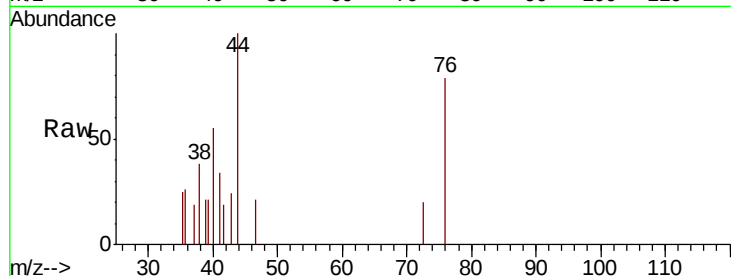
ClientSampleId :

Tot Ion: 76 Resp: 361

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250

200

150

100

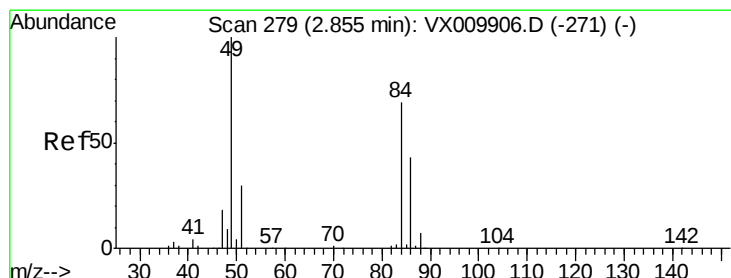
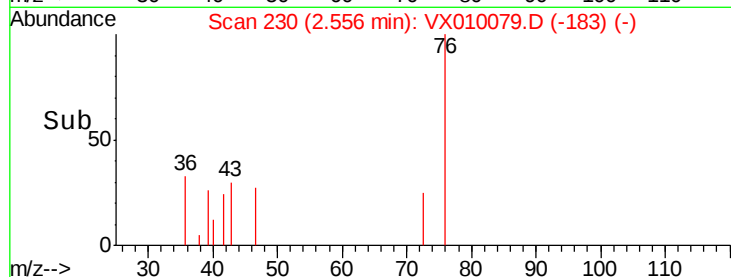
50

0

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: 0.515 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

Tgt Ion: 84 Resp: 1081

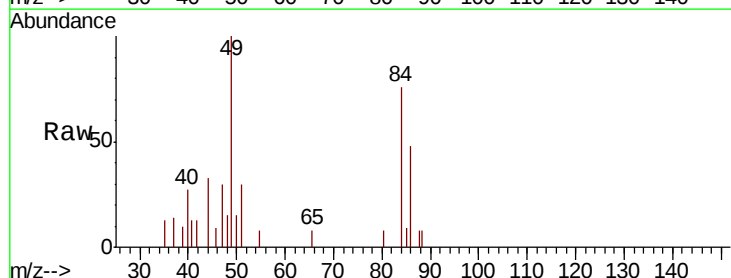
Ion Ratio Lower Upper

84 100

49 130.7 115.8 173.6

51 39.7 34.4 51.6

86 63.3 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

1000

800

600

400

200

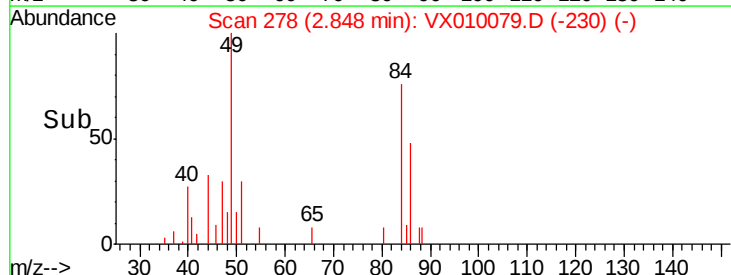
0

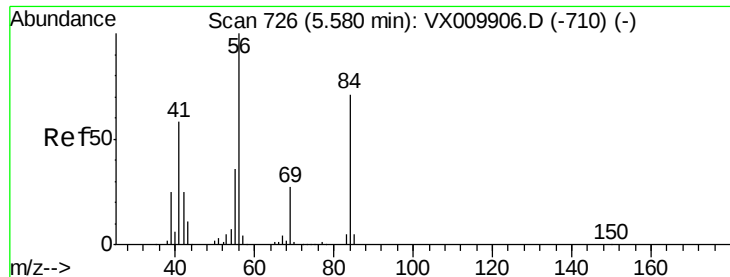
2.80

2.85

2.90

Time-->

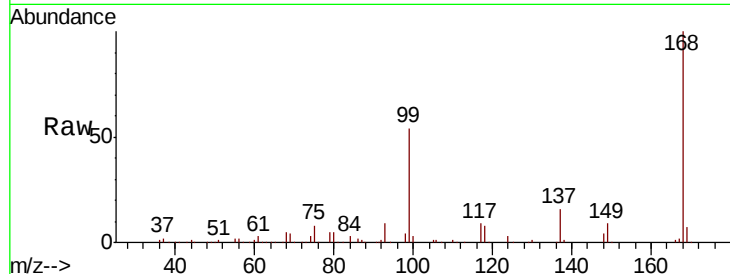




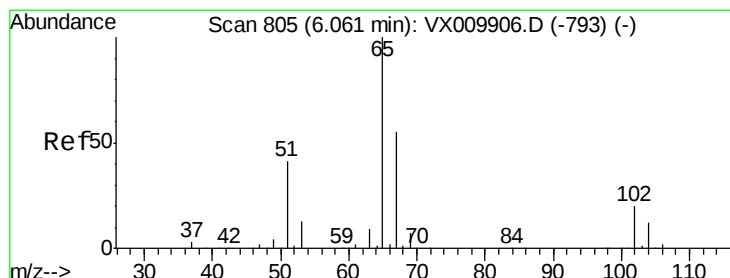
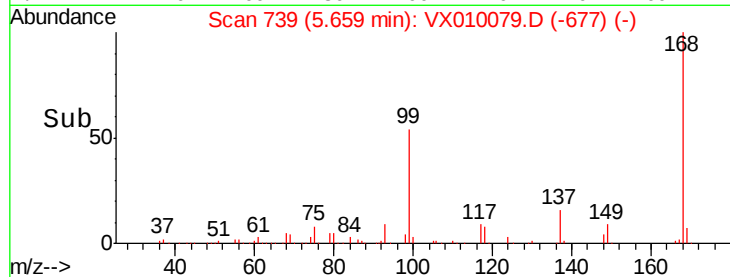
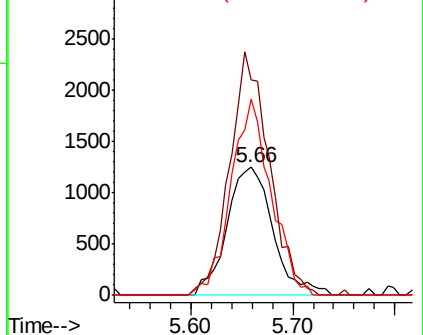
#31
Cyclohexane
Concen: 1.088 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010079.D
Acq: 05 Jun 2019 16:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3929
Ion Ratio Lower Upper
56 100
69 168.1 21.6 32.4#
84 153.8 56.8 85.2#

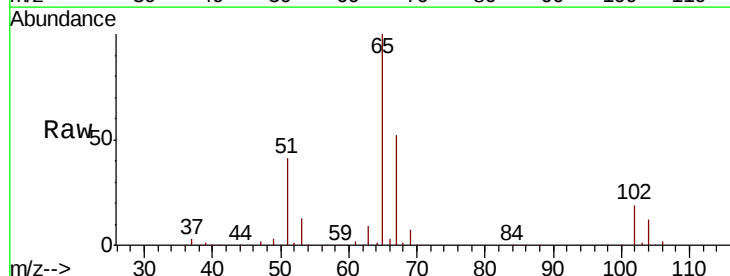


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

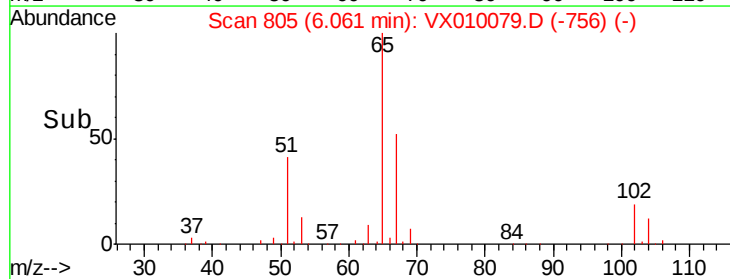
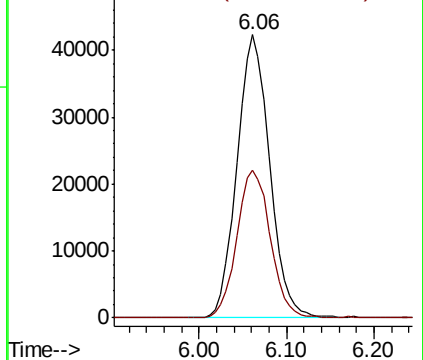


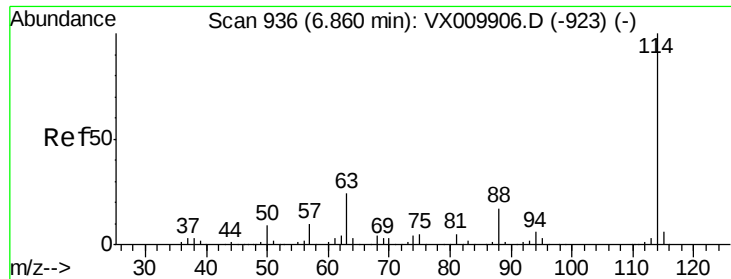
#33
1,2-Dichloroethane-d4
Concen: 46.299 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010079.D
Acq: 05 Jun 2019 16:04

Tgt Ion: 65 Resp: 109907
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

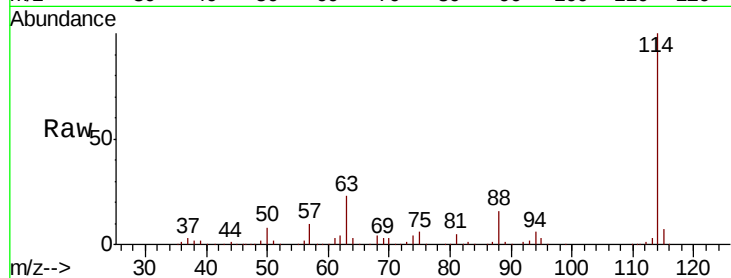




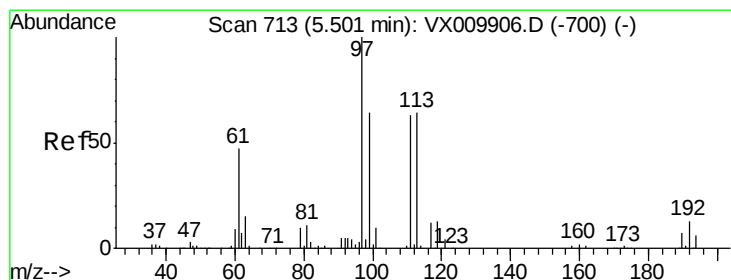
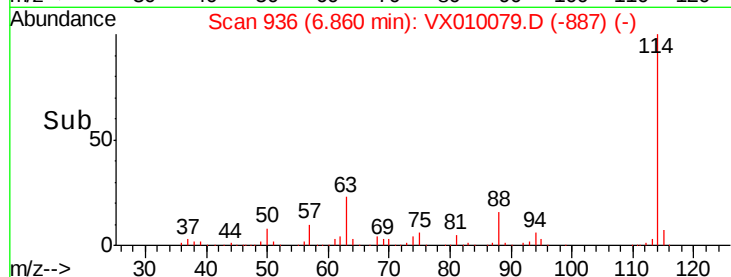
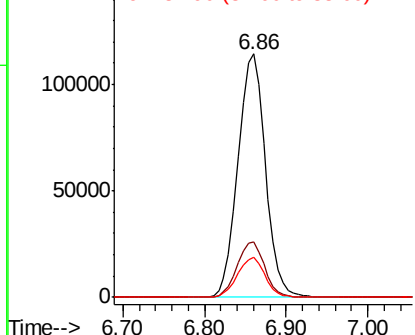
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010079.D
 Acq: 05 Jun 2019 16:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 266944
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.3 0.0 33.0

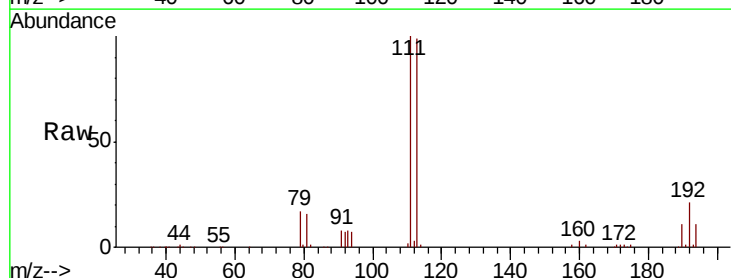


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

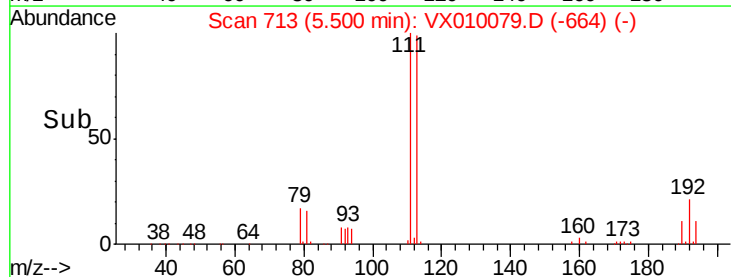
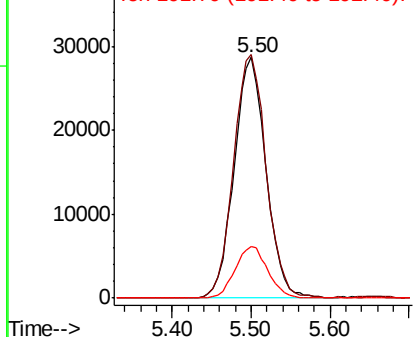


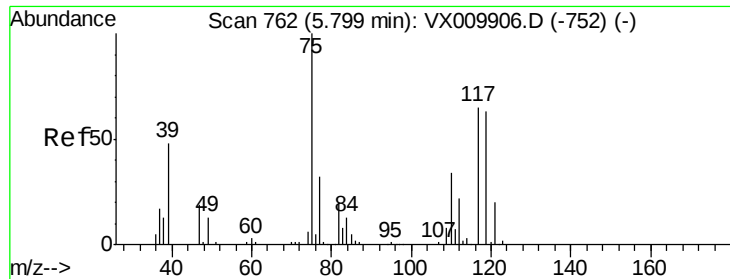
#35
 Dibromofluoromethane
 Concen: 48.133 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010079.D
 Acq: 05 Jun 2019 16:04

Tgt Ion:113 Resp: 80781
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.2
 192 21.9 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: 4.703 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

Instrument :

MSVOA_X

ClientSampleId :

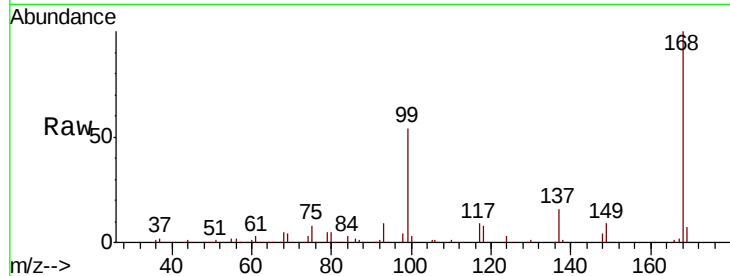
Tot Ion: 75 Resp: 12739

Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.1#

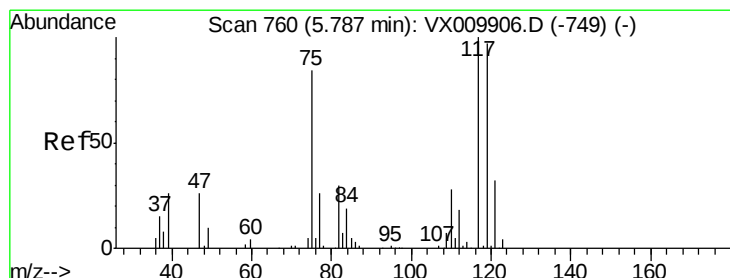
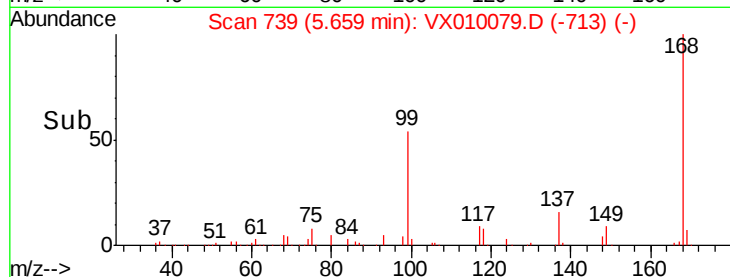
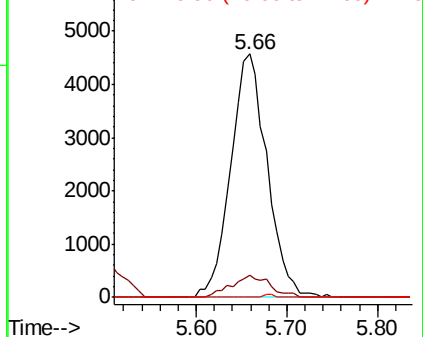
77 0.0 25.0 37.4#



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



#38

Carbon Tetrachloride

Concen: 6.734 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

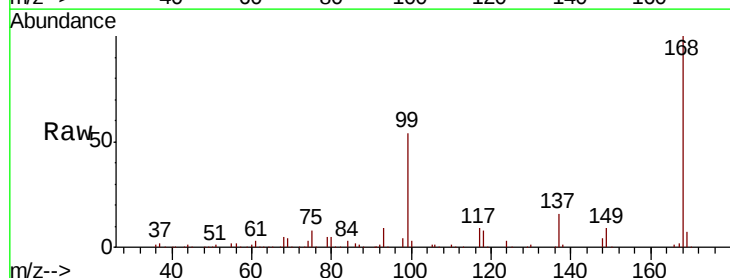
Tgt Ion:117 Resp: 15760

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

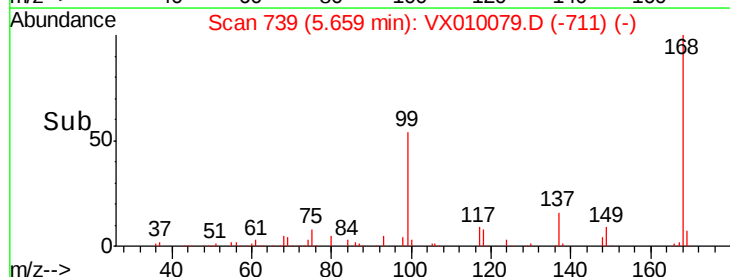
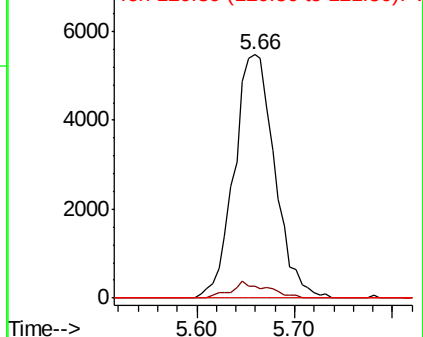
121 0.0 25.4 38.0#

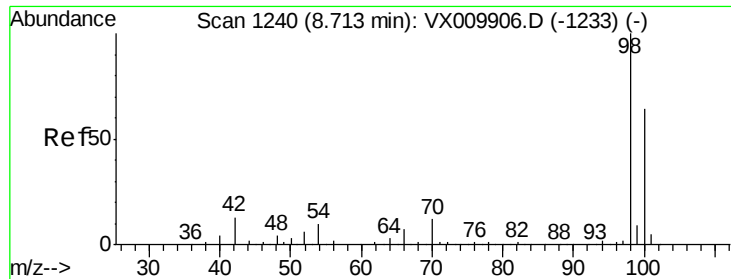


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

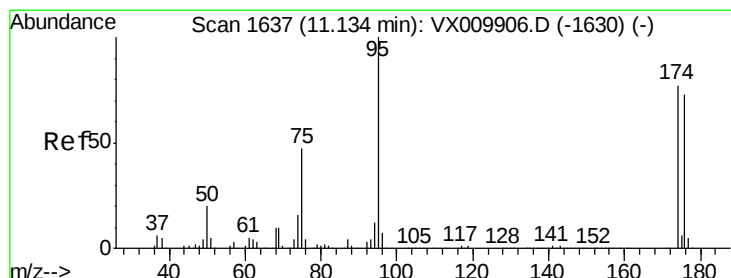
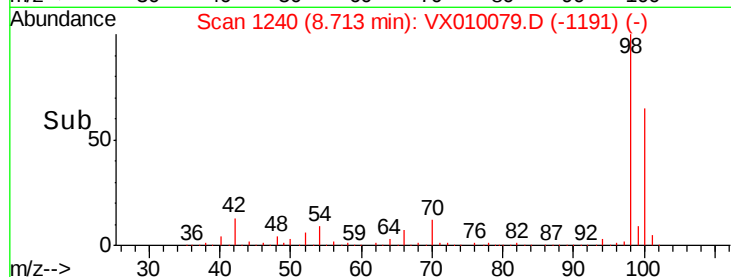
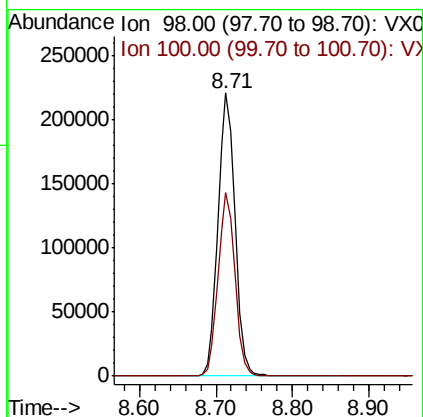
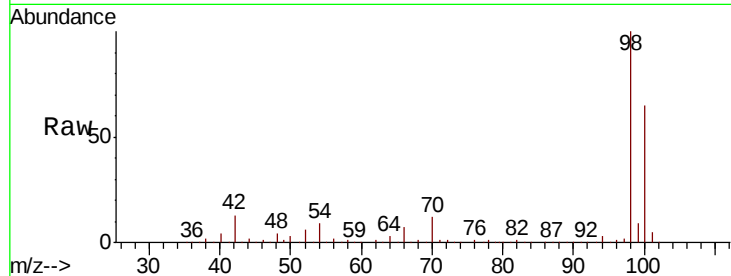




#50
Toluene-d8
Concen: 49.869 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010079.D
Acq: 05 Jun 2019 16:04

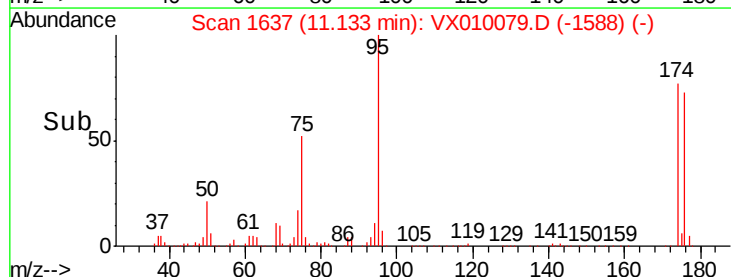
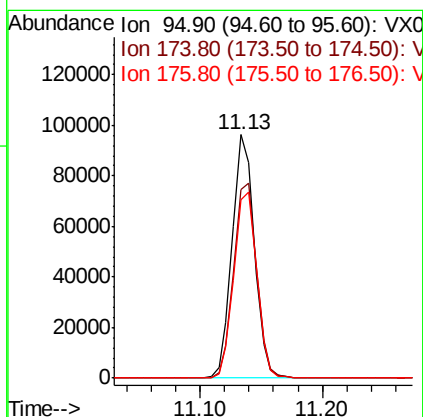
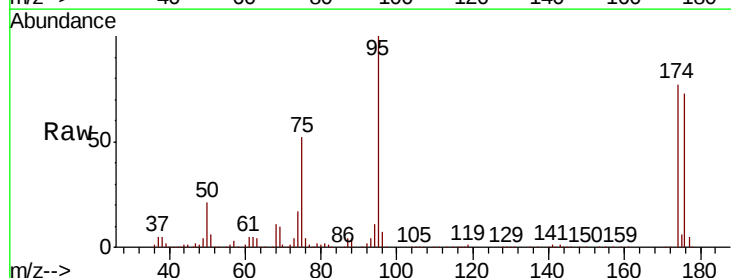
Instrument :
MSVOA_X
ClientSampleId :

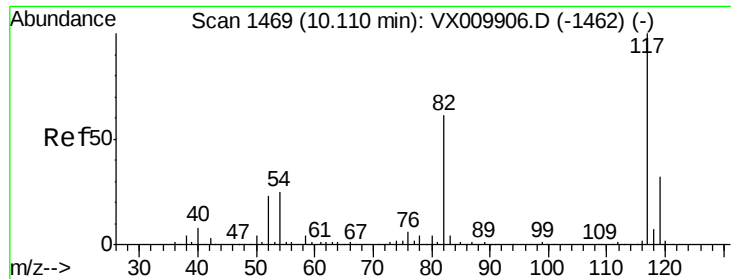
Tot Ion: 98 Resp: 339861
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 49.017 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010079.D
Acq: 05 Jun 2019 16:04

Tgt Ion: 95 Resp: 119988
Ion Ratio Lower Upper
95 100
174 83.6 0.0 160.4
176 79.8 0.0 154.6

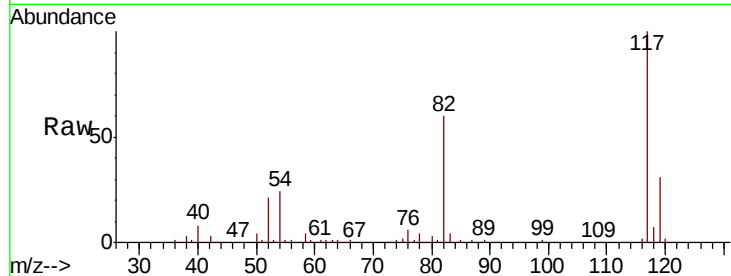




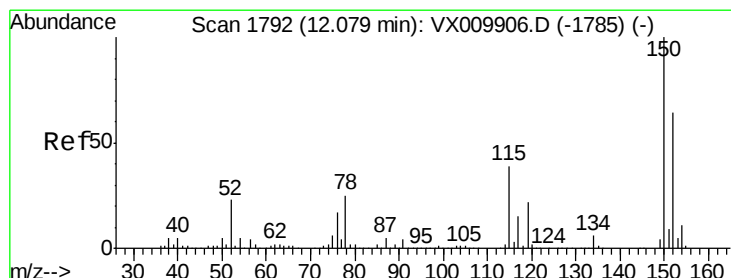
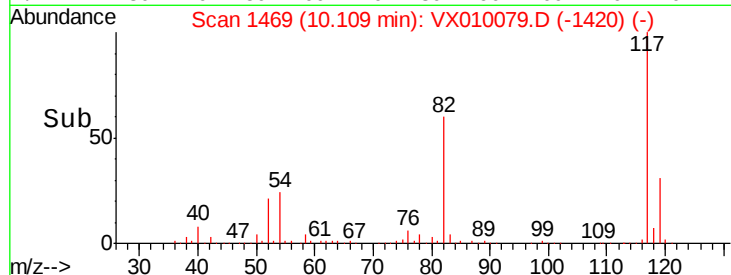
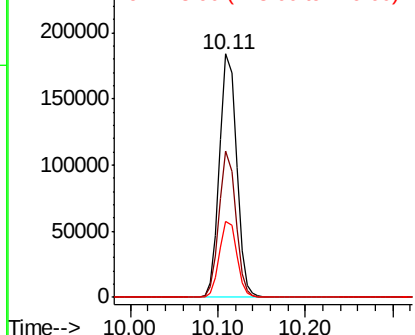
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010079.D
Acq: 05 Jun 2019 16:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 249438
Ion Ratio Lower Upper
117 100
82 60.0 49.2 73.8
119 31.4 25.2 37.8

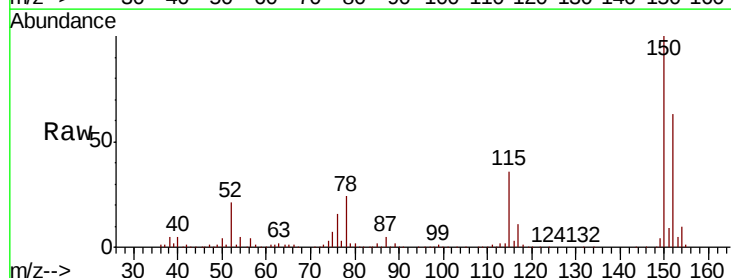


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

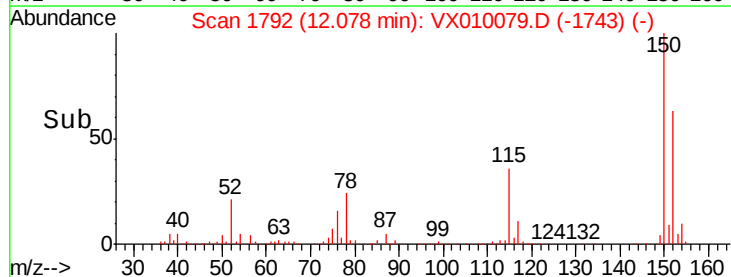
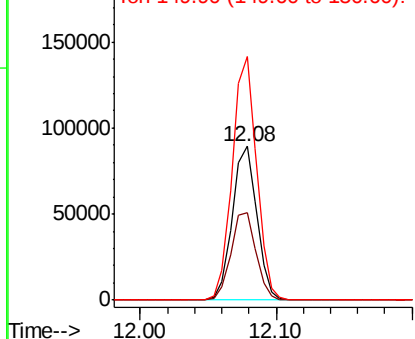


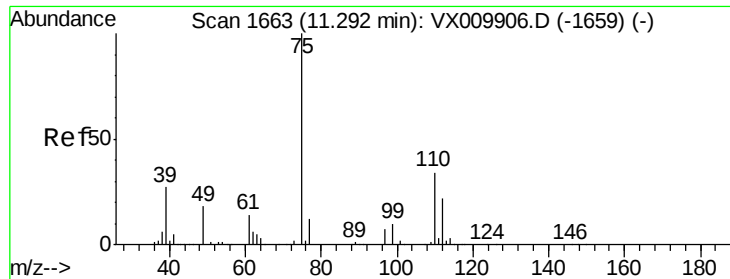
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010079.D
Acq: 05 Jun 2019 16:04

Tgt Ion:152 Resp: 111983
Ion Ratio Lower Upper
152 100
115 58.4 41.4 124.2
150 156.9 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: 23.003 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

Instrument :

MSVOA_X

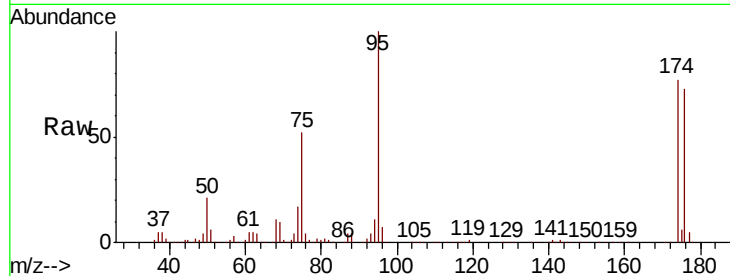
ClientSampleId :

Tot Ion: 75 Resp: 61599

Ion Ratio Lower Upper

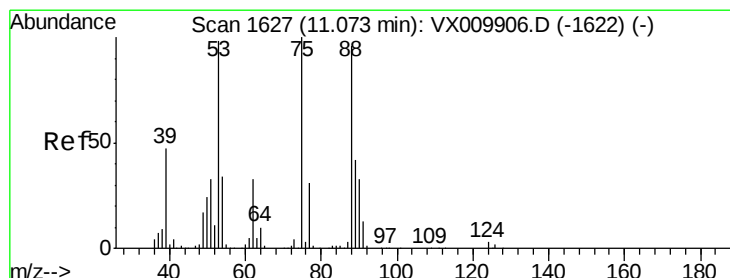
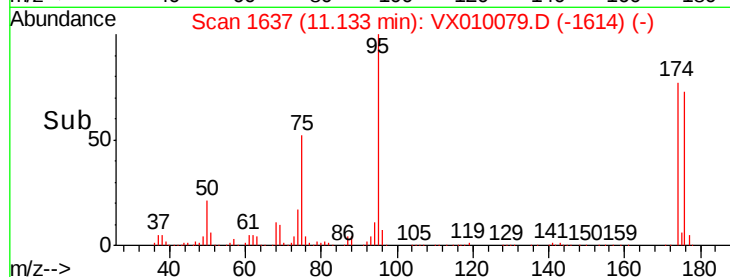
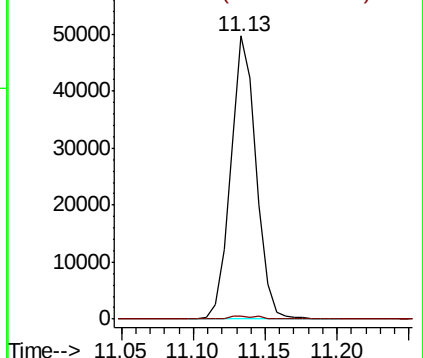
75 100

77 1.3 22.1 66.1#



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: 56.913 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010079.D

Acq: 05 Jun 2019 16:04

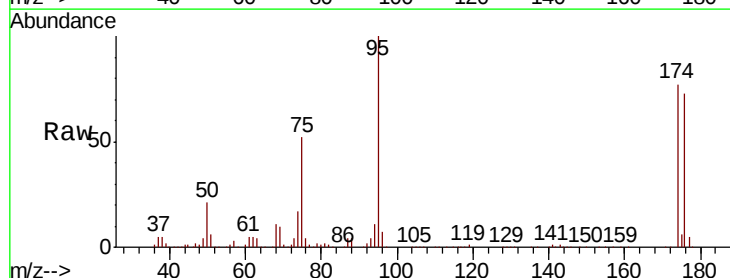
Tgt Ion: 75 Resp: 61599

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

