

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010082.D
 Acq On : 05 Jun 2019 17:15
 Operator : JC/SP
 Sample : K3190-14 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:34:10 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	167421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	268782	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109154	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	110937	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
35) Dibromofluoromethane	5.50	113	81179	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	8.71	98	341037	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	115596	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	

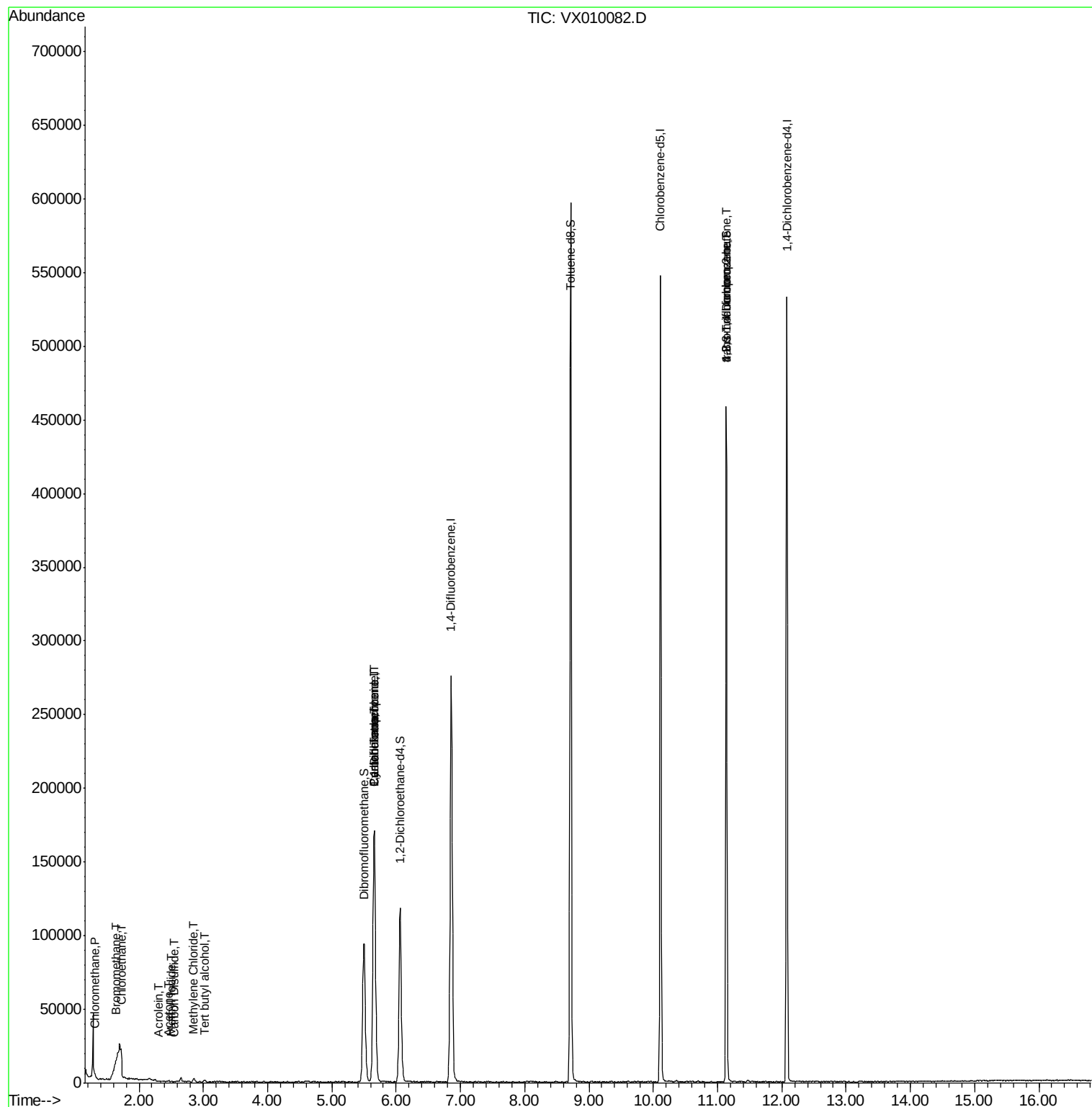
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	709	0.258	ug/l	97
5) Bromomethane	1.64	94	460	0.306	ug/l	85
6) Chloroethane	1.71	64	311	0.204	ug/l #	82
10) Methyl Iodide	2.50	142	261	4.772	ug/l #	42
11) Tert butyl alcohol	3.01	59	833	1.431	ug/l #	73
13) Acrolein	2.30	56	56	21.221	ug/l #	14
16) Acetone	2.46	43	1126	0.824	ug/l	100
17) Carbon Disulfide	2.56	76	346	0.452	ug/l #	76
20) Methylene Chloride	2.85	84	980	0.468	ug/l #	82
31) Cyclohexane	5.65	56	3879	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12964	4.754	ug/l #	49
38) Carbon Tetrachloride	5.65	117	15288	6.487	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	59416	22.763	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59416	56.319	ug/l #	10

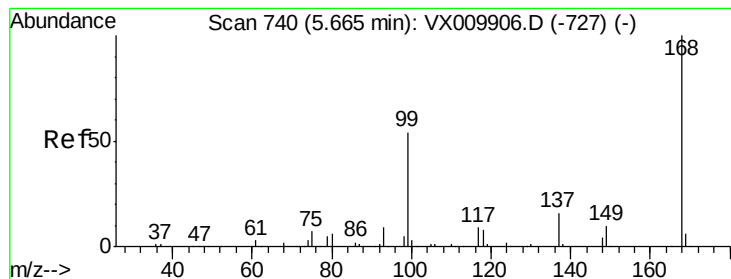
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010082.D

Acq: 05 Jun 2019 17:15

Instrument :

MSVOA_X

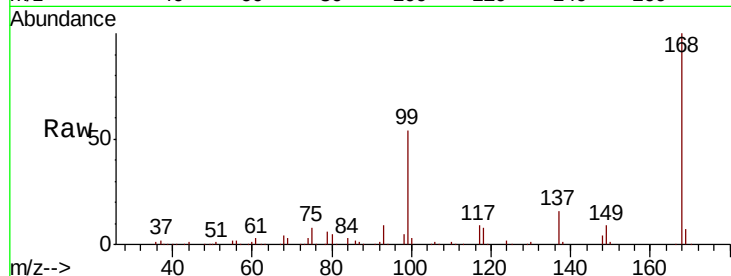
ClientSampleId :

Tot Ion:168 Resp: 167421

Ion Ratio Lower Upper

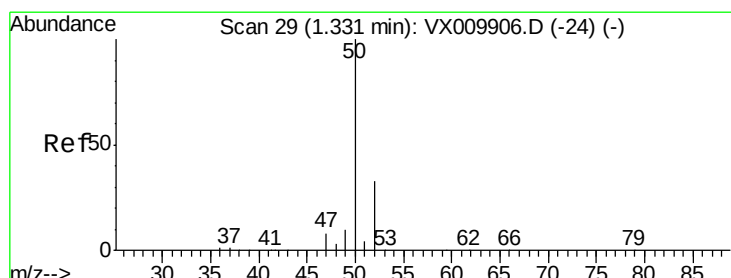
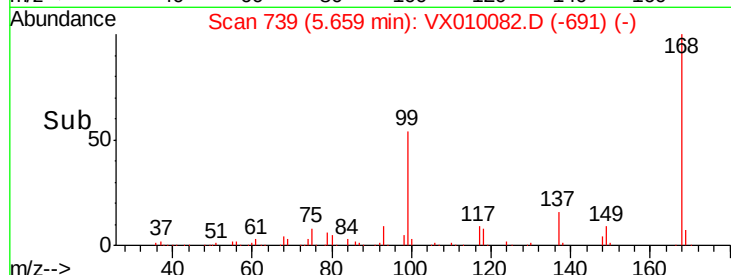
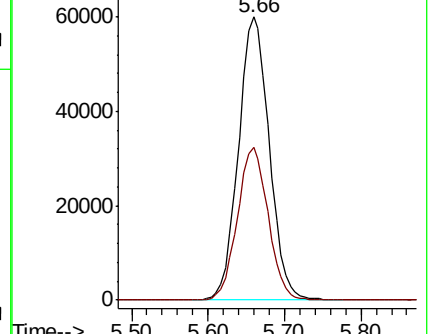
168 100

99 54.0 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: 0.258 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX010082.D

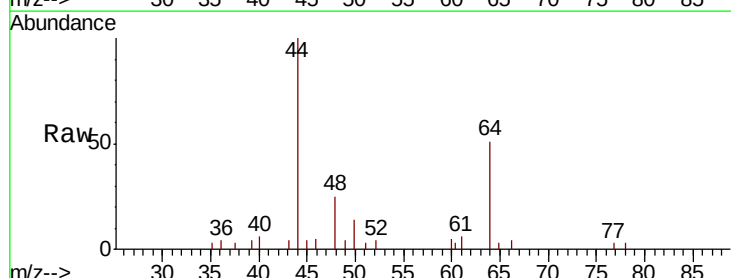
Acq: 05 Jun 2019 17:15

Tgt Ion: 50 Resp: 709

Ion Ratio Lower Upper

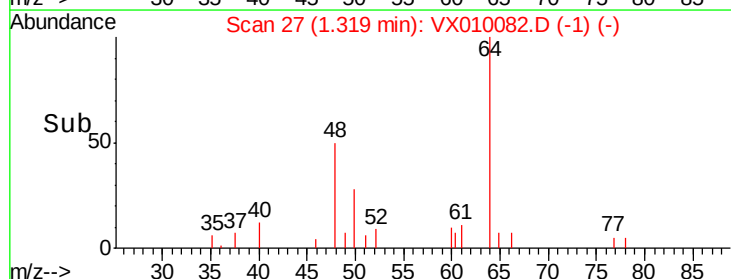
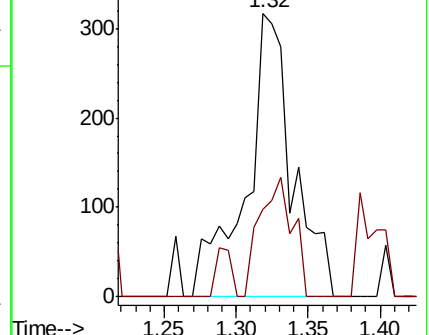
50 100

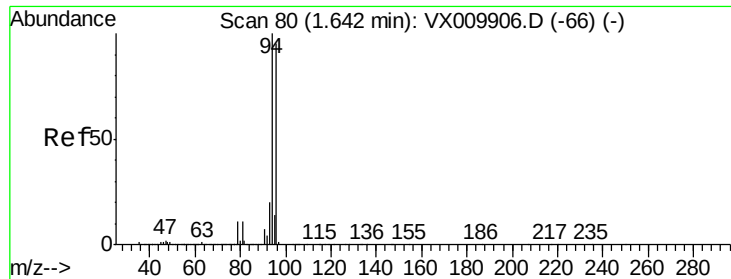
52 30.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.306 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010082.D

Acq: 05 Jun 2019 17:15

Instrument :

MSVOA_X

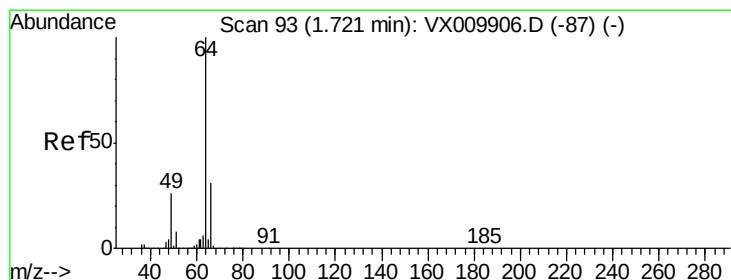
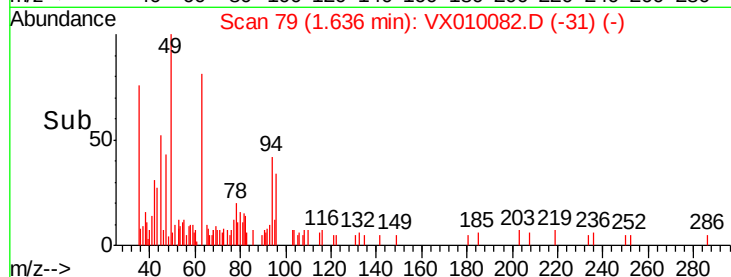
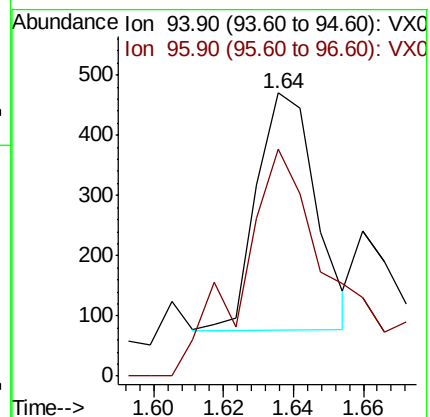
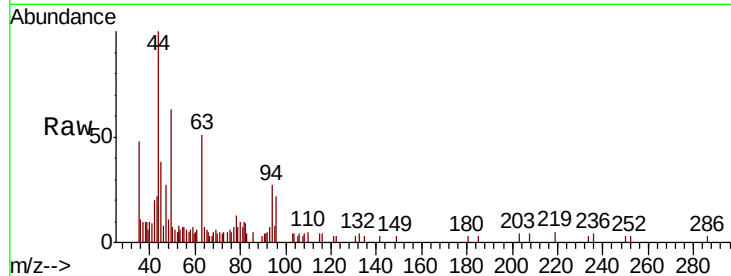
ClientSampled :

Tot Ion: 94 Resp: 460

Ion Ratio Lower Upper

94 100

96 81.1 76.2 114.4



#6

Chloroethane

Concen: 0.204 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010082.D

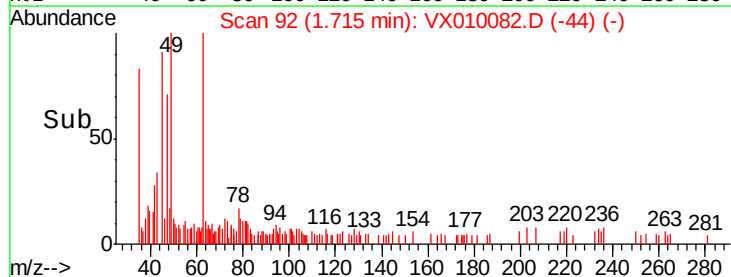
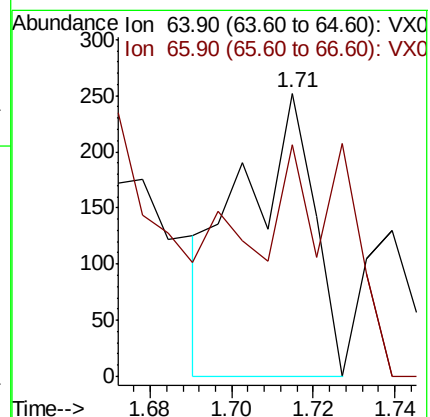
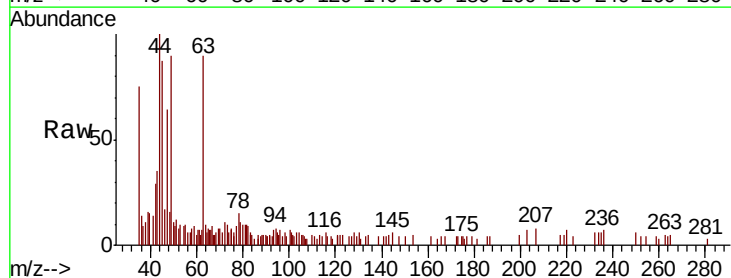
Acq: 05 Jun 2019 17:15

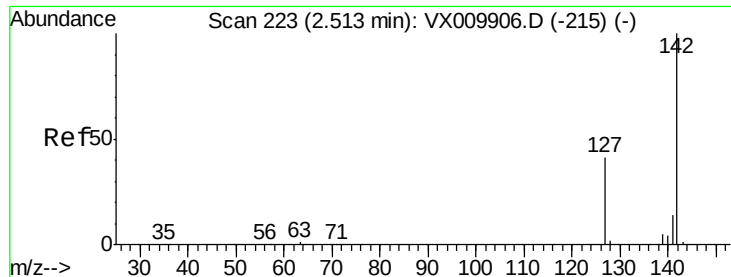
Tgt Ion: 64 Resp: 311

Ion Ratio Lower Upper

64 100

66 41.3 25.1 37.7#

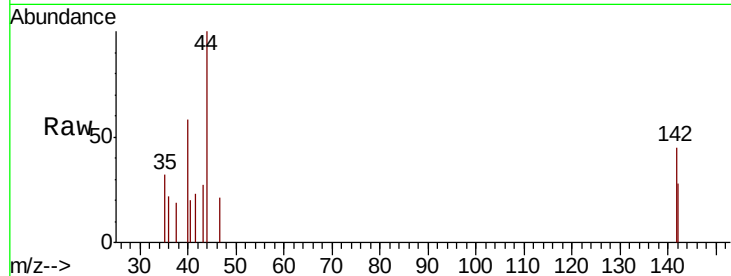




#10
Methvl Iodide
Concen: 4.772 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

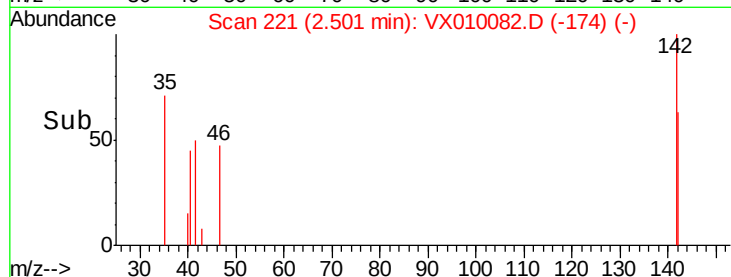
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 261
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 11.4 17.0#

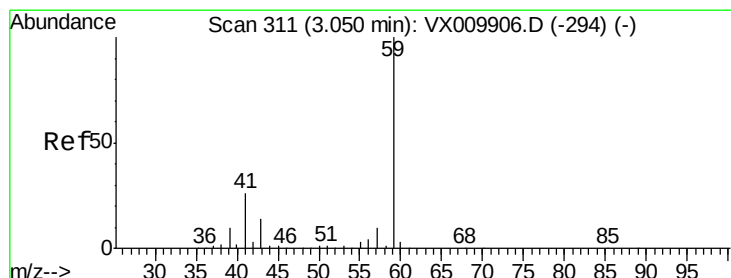


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

2.50

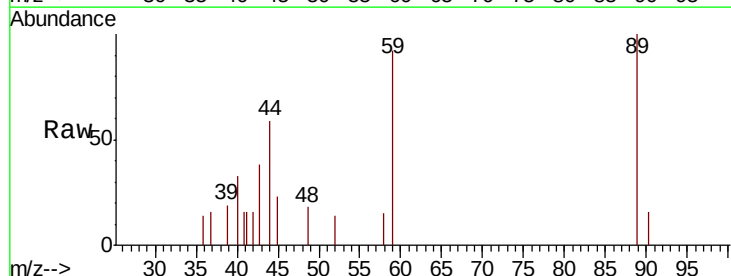


Time-->



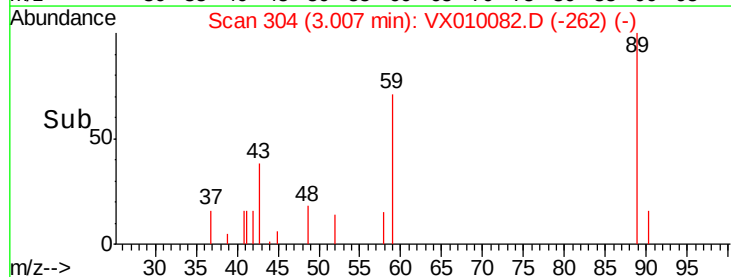
#11
Tert butyl alcohol
Concen: 1.431 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.04 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

Tgt Ion: 59 Resp: 833
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

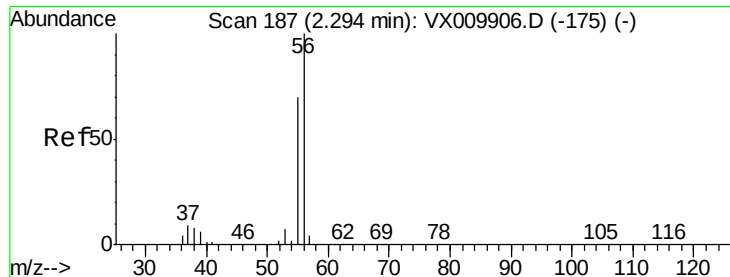


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

3.01



Time-->



#13

Acrolein

Concen: 21.221 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010082.D

Acq: 05 Jun 2019 17:15

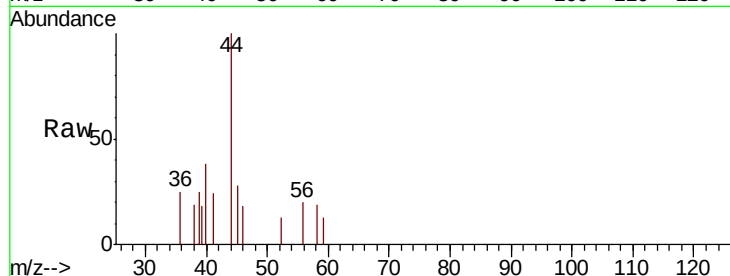
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 56

Ion Ratio Lower Upper

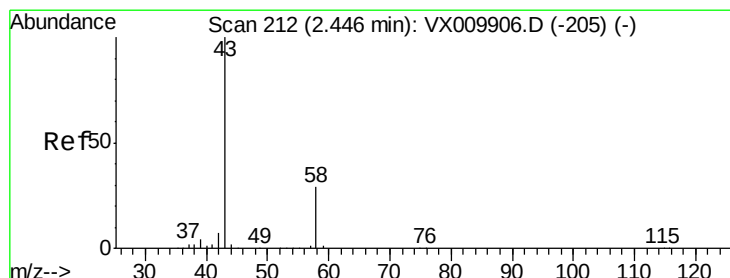
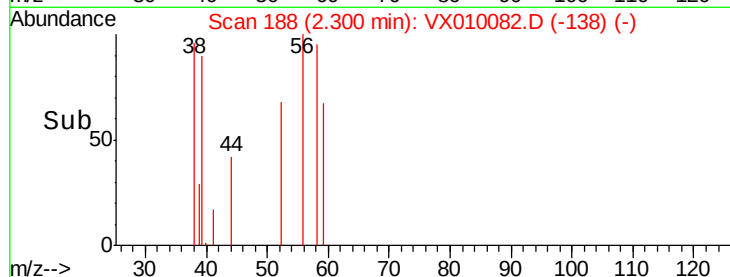
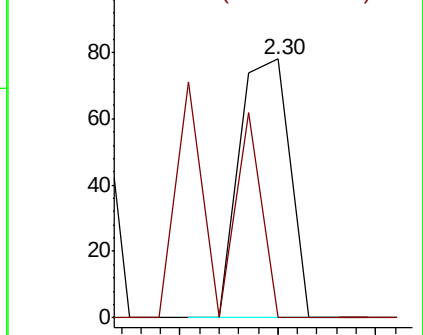
56 100

55 0.0 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: 0.824 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX010082.D

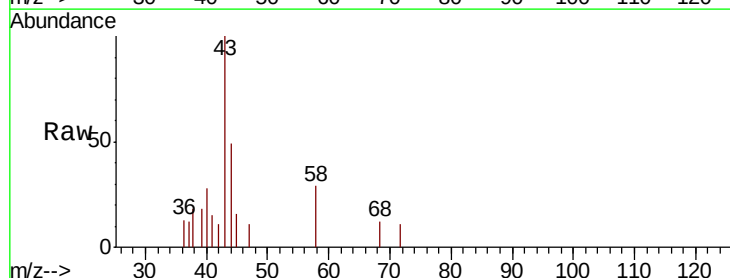
Acq: 05 Jun 2019 17:15

Tgt Ion: 43 Resp: 1126

Ion Ratio Lower Upper

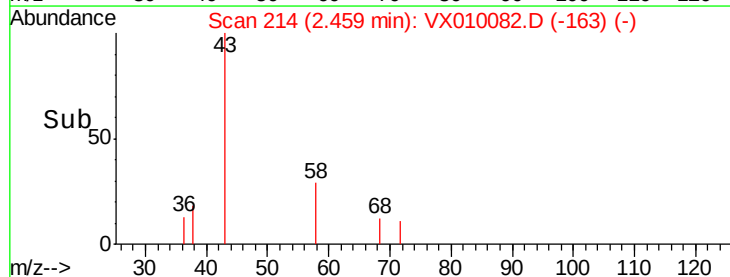
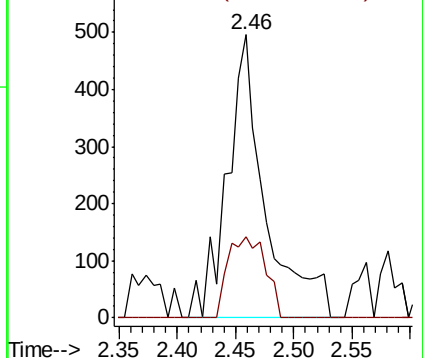
43 100

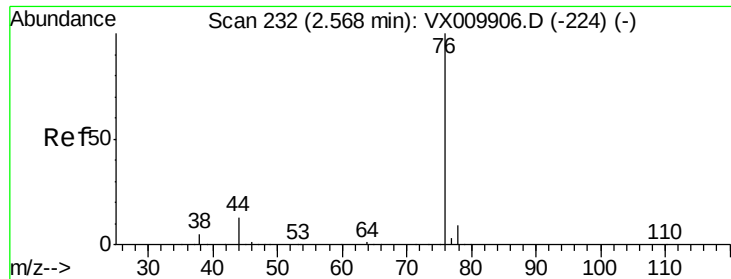
58 28.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.452 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX010082.D

Acq: 05 Jun 2019 17:15

Instrument :

MSVOA_X

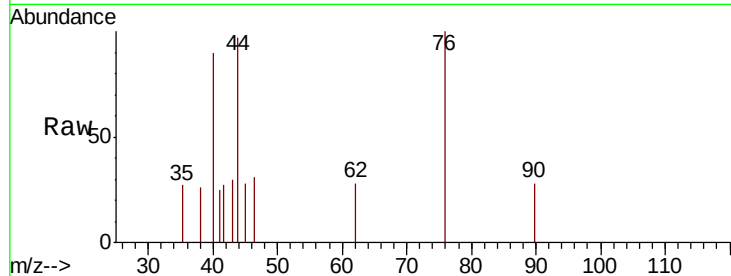
ClientSampled :

Tot Ion: 76 Resp: 346

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

2.56

200

150

100

50

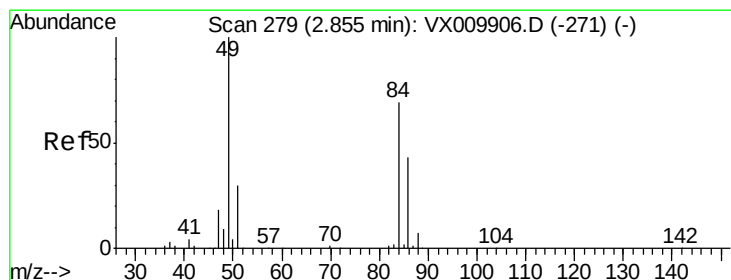
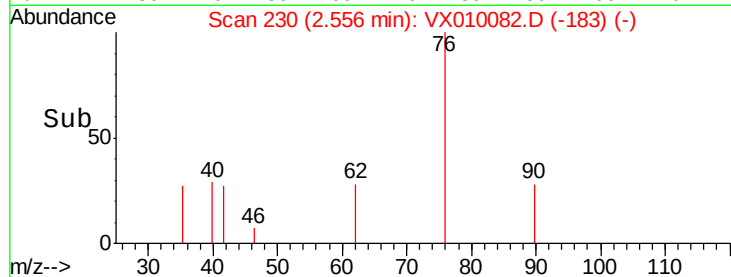
0

2.50

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: 0.468 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010082.D

Acq: 05 Jun 2019 17:15

Tgt Ion: 84 Resp: 980

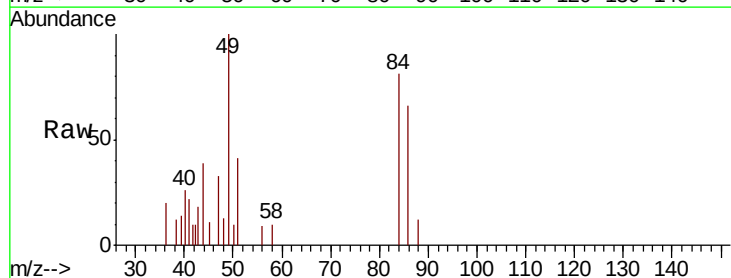
Ion Ratio Lower Upper

84 100

49 122.8 115.8 173.6

51 50.8 34.4 51.6

86 80.9 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

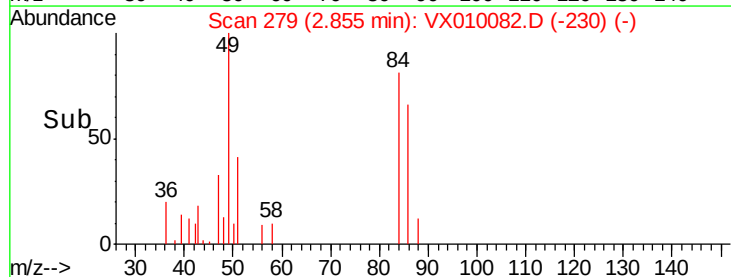
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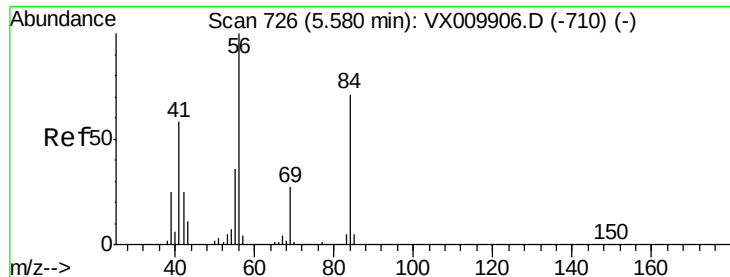
2.80

2.85

2.90

Time-->

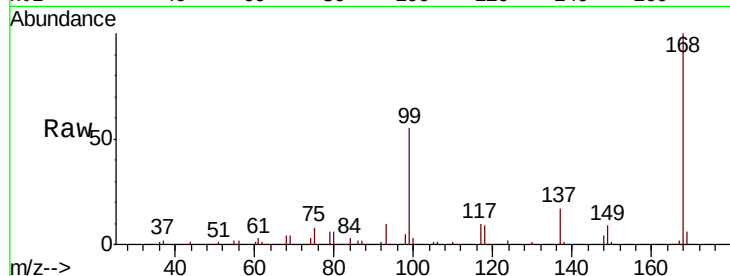




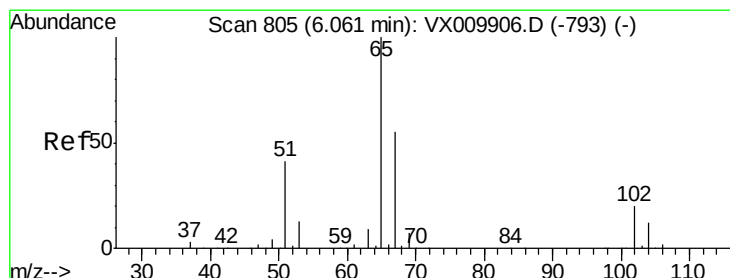
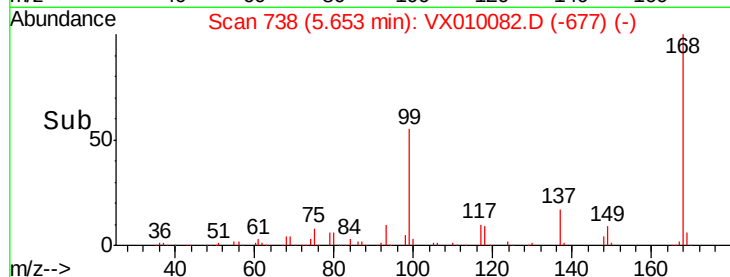
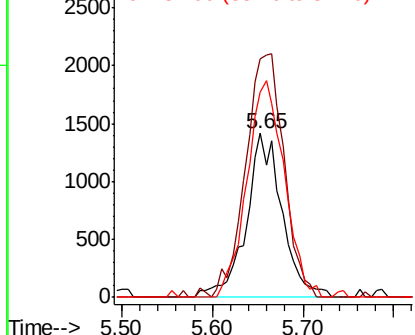
#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 3879
Ion Ratio Lower Upper
56 100
69 145.5 21.6 32.4#
84 125.6 56.8 85.2#

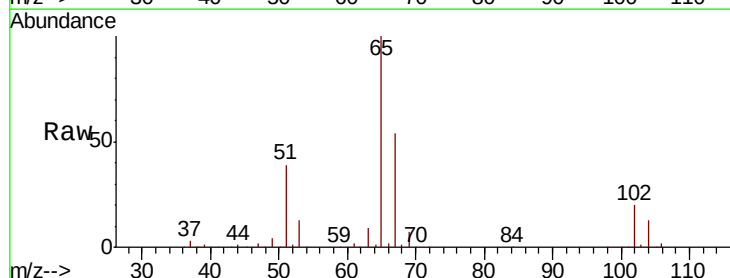


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

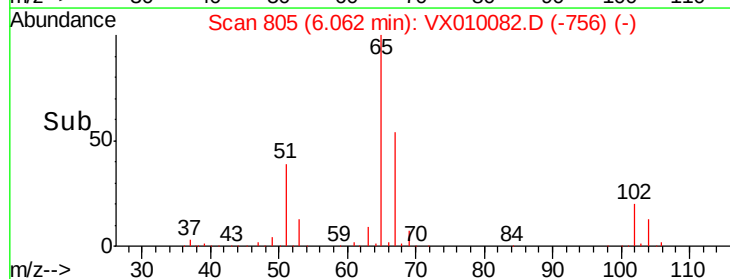
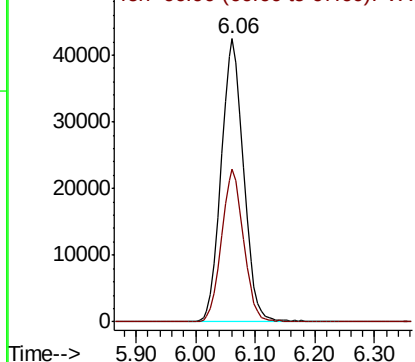


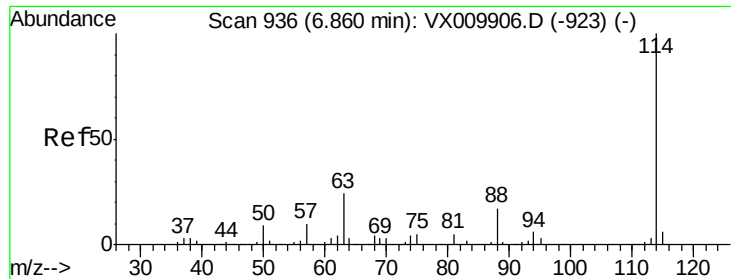
#33
1,2-Dichloroethane-d4
Concen: 46.908 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

Tgt Ion: 65 Resp: 110937
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.4



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

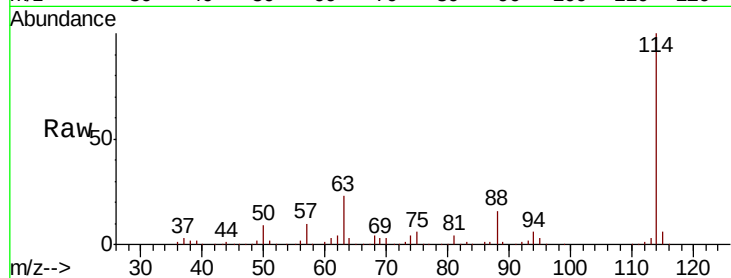




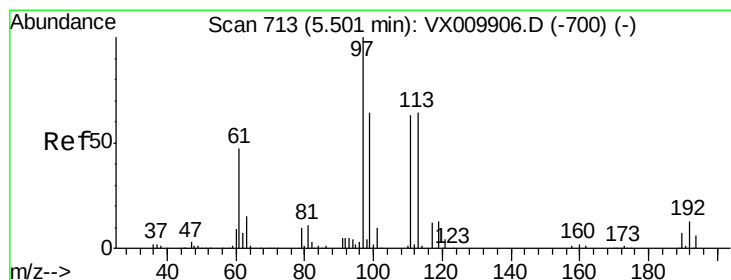
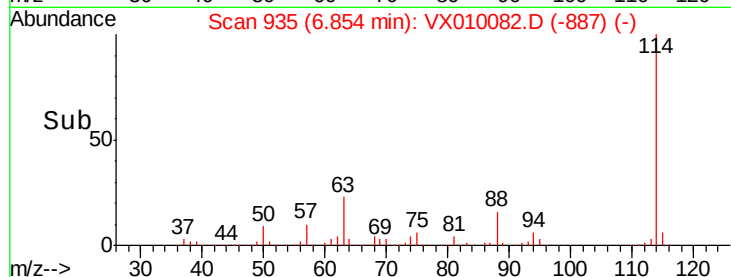
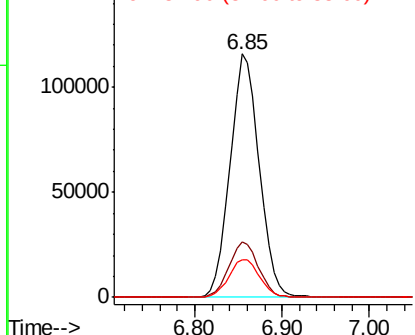
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 268782
Ion Ratio Lower Upper
114 100
63 22.6 0.0 47.4
88 15.6 0.0 33.0

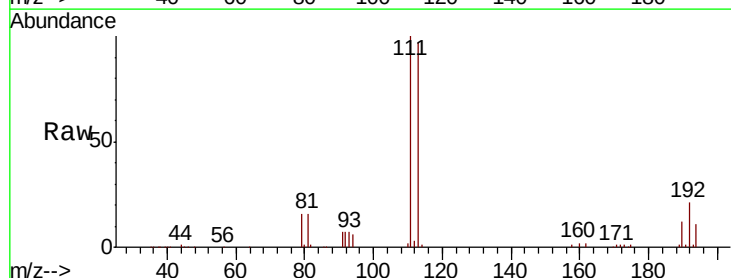


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

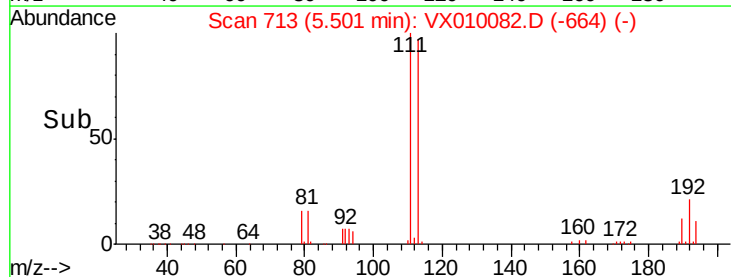
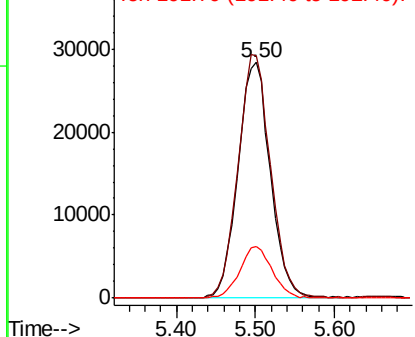


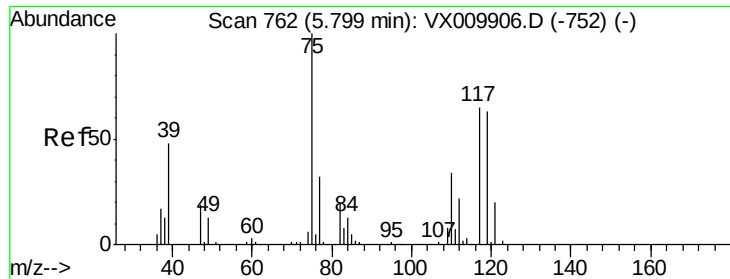
#35
Dibromofluoromethane
Concen: 48.039 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

Tgt Ion:113 Resp: 81179
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 21.8 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

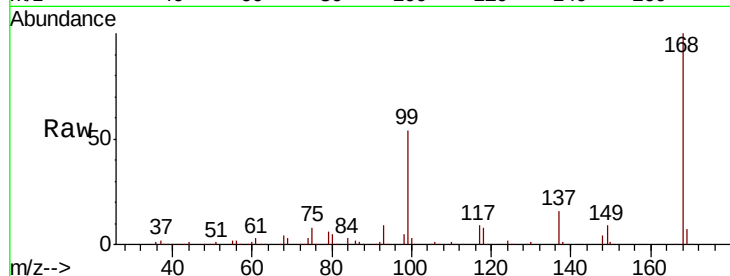




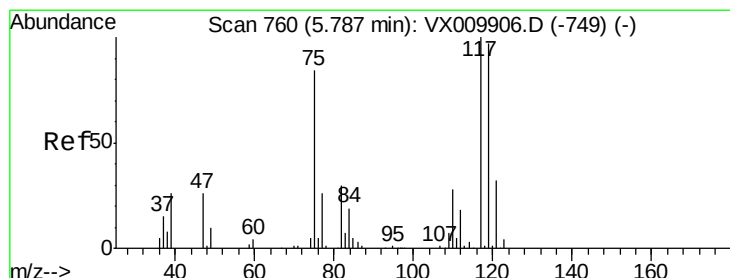
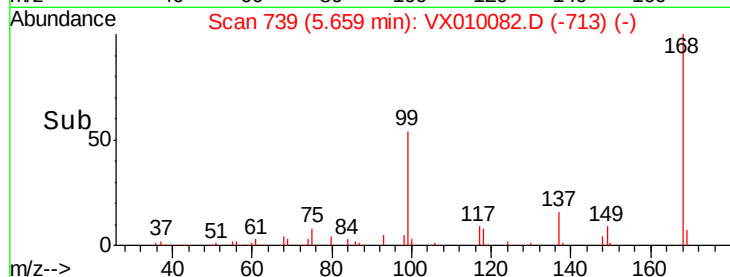
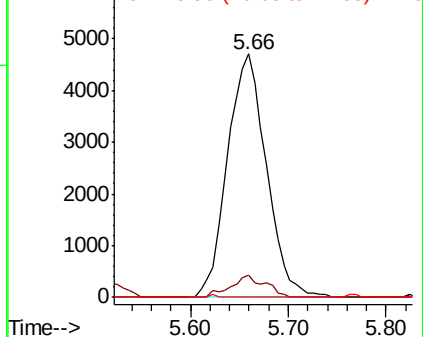
#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010082.D
 Acq: 05 Jun 2019 17:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.7	50.1#
77	0.0	25.0	37.4#

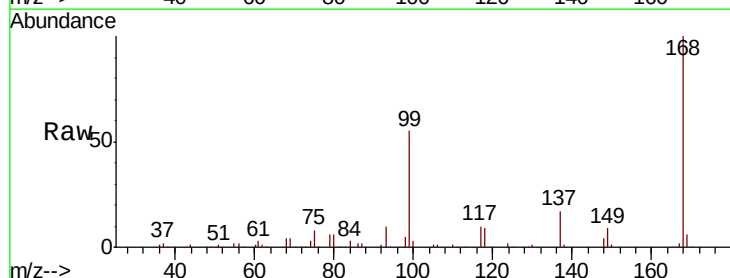


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

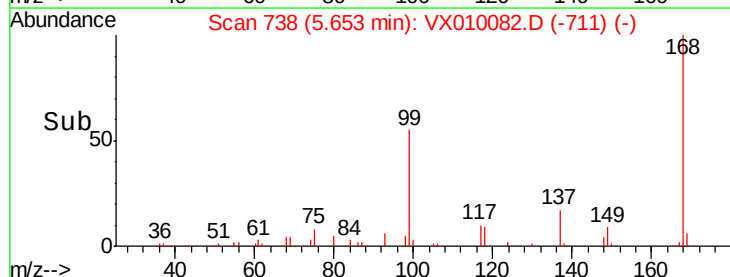
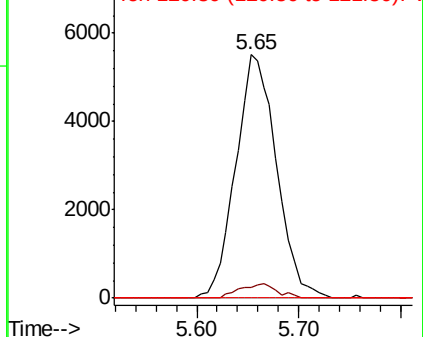


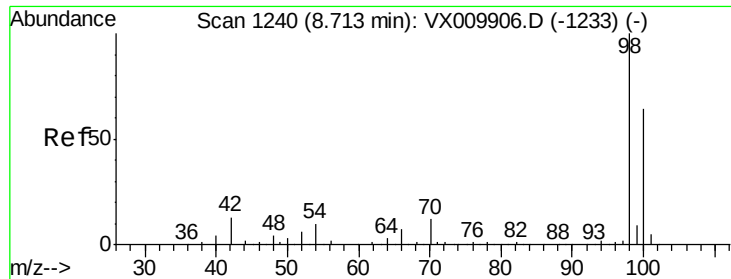
#38
 Carbon Tetrachloride
 Concen: 6.487 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010082.D
 Acq: 05 Jun 2019 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	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

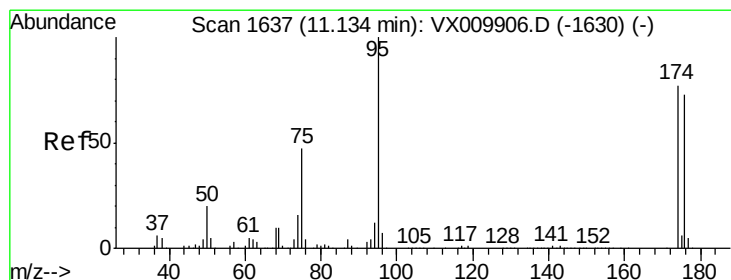
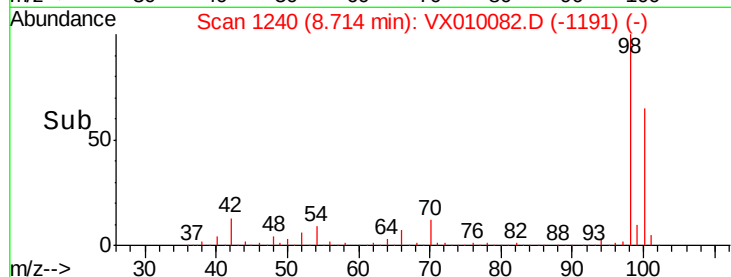
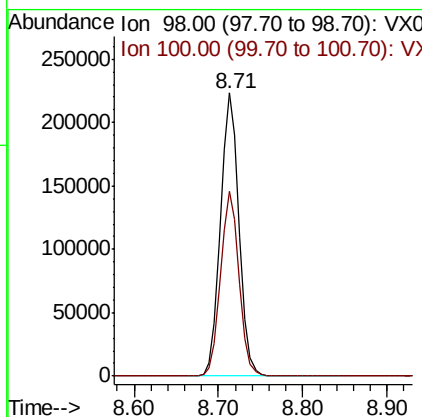
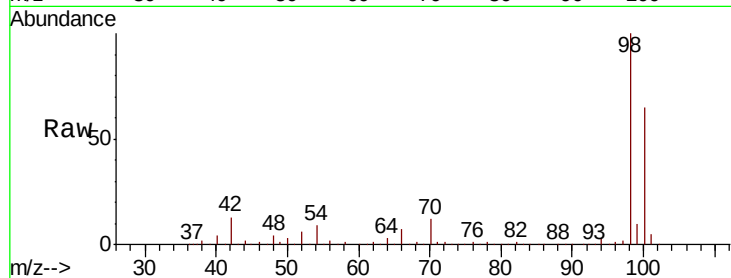




#50
Toluene-d8
Concen: 49.699 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

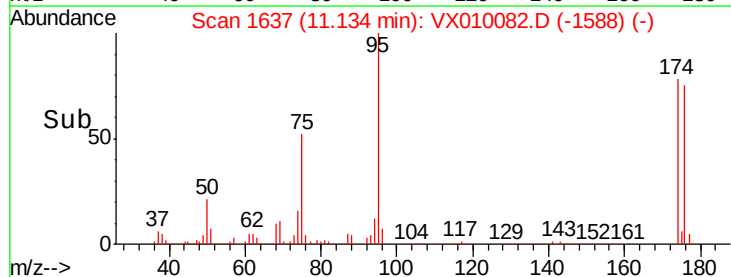
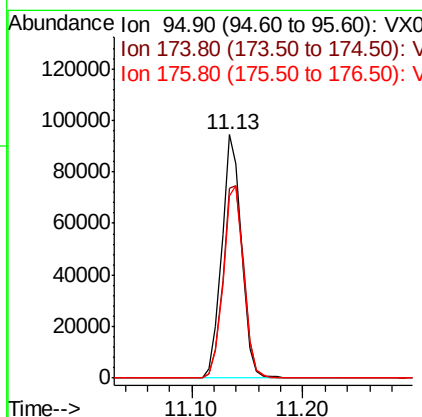
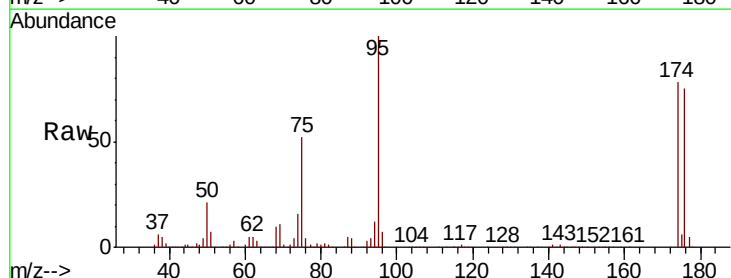
Instrument :
MSVOA_X
ClientSampleId :

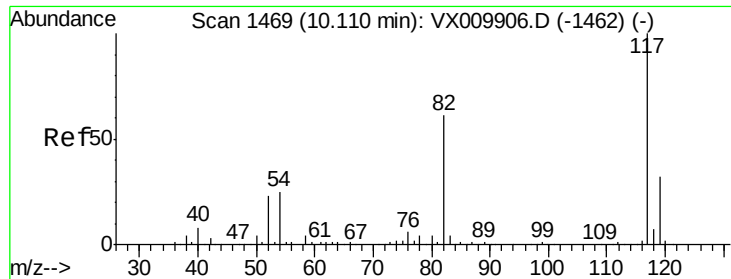
Tot Ion: 98 Resp: 341037
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 46.900 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

Tgt Ion: 95 Resp: 115596
Ion Ratio Lower Upper
95 100
174 83.6 0.0 160.4
176 80.8 0.0 154.6

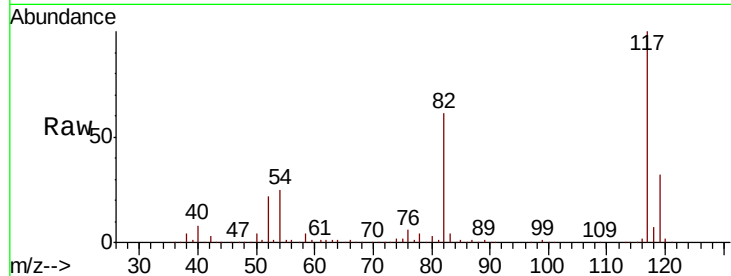




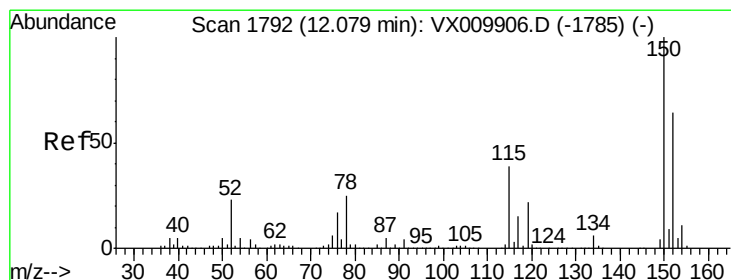
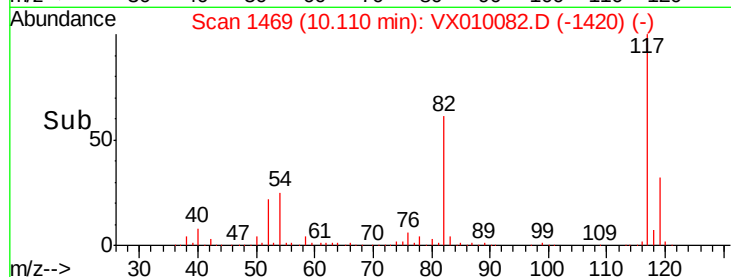
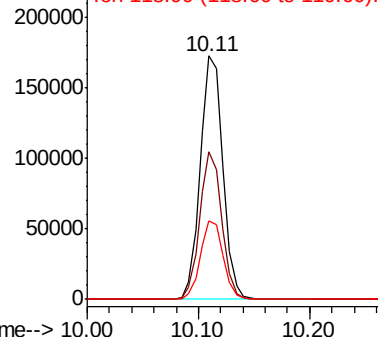
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 242221
Ion Ratio Lower Upper
117 100
82 60.6 49.2 73.8
119 32.4 25.2 37.8

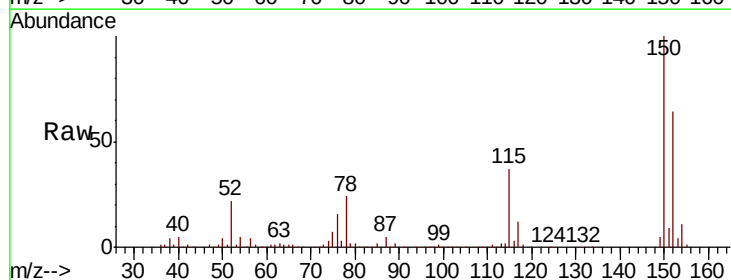


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

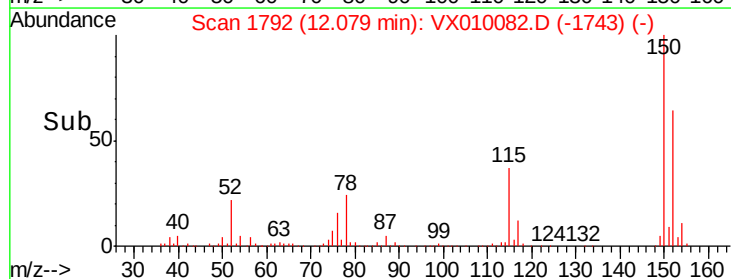
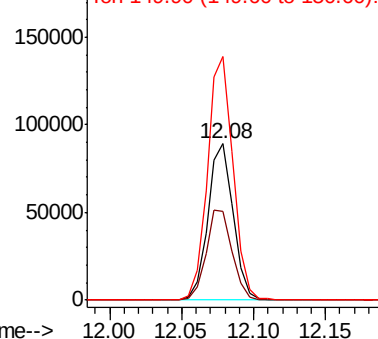


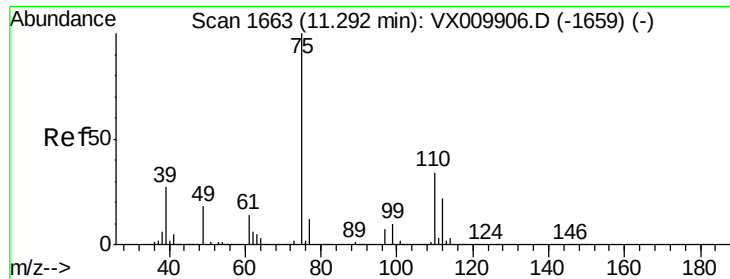
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010082.D
Acq: 05 Jun 2019 17:15

Tgt Ion:152 Resp: 109154
Ion Ratio Lower Upper
152 100
115 59.6 41.4 124.2
150 157.6 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

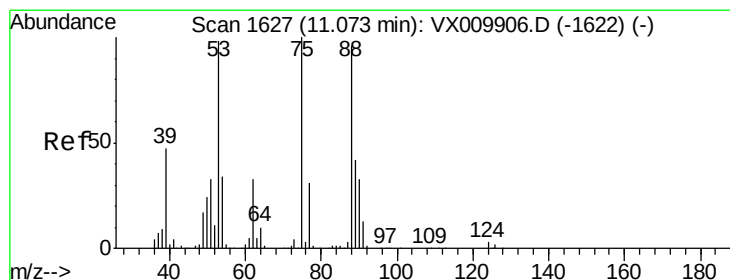
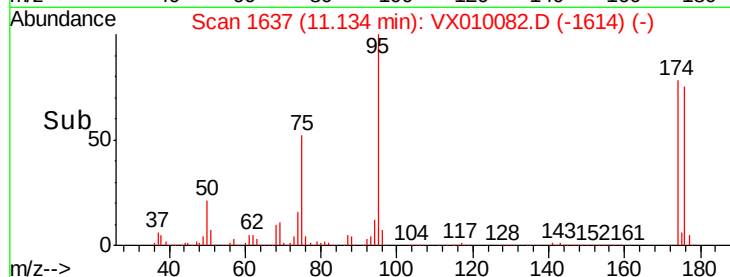
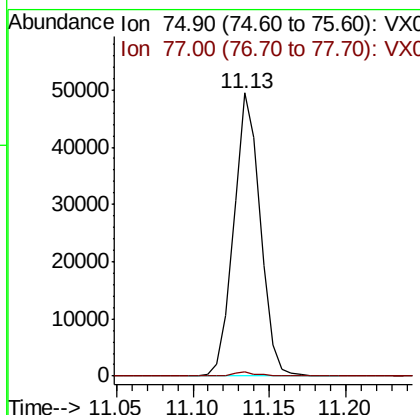
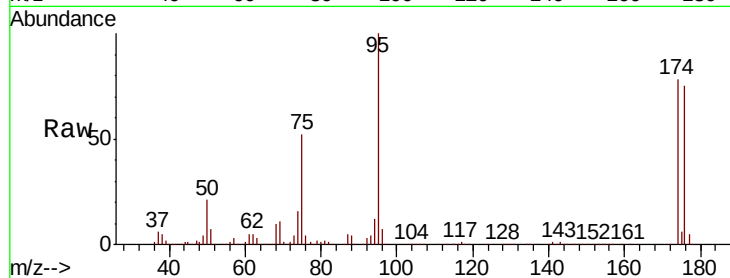




#76
 1,2,3-Trichloropropane
 Concen: 22.763 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010082.D
 Acq: 05 Jun 2019 17:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 59416
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.319 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010082.D
 Acq: 05 Jun 2019 17:15

Tgt Ion: 75 Resp: 59416
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.8 119.6#
 89 0.1 34.2 51.4#

