

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010468.D
 Acq On : 26 Jun 2019 17:19
 Operator : JC/SP
 Sample : K3527-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 01:13:58 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	5.66	168	257730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	396887	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	360836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165600	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	121590	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	5.50	113	120924	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	8.71	98	466886	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	156103	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

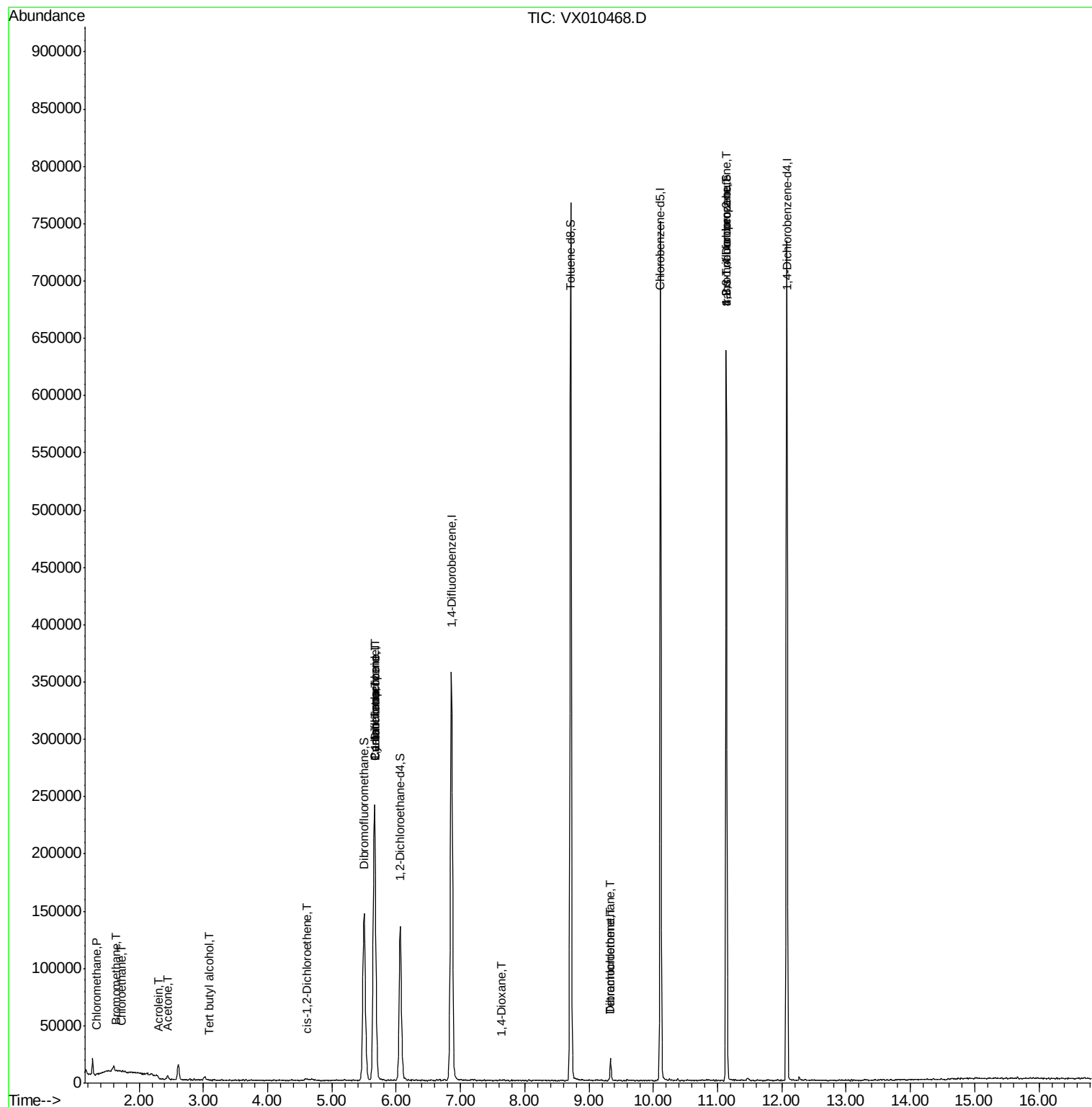
					Qvalue
3) Chloromethane	1.33	50	480	0.230 ug/l #	41
5) Bromomethane	1.65	94	290	0.260 ug/l #	23
6) Chloroethane	1.73	64	732	0.543 ug/l #	41
11) Tert butyl alcohol	3.09	59	136	0.215 ug/l #	74
13) Acrolein	2.30	56	101	0.241 ug/l #	14
16) Acetone	2.45	43	4218	3.483 ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	883	0.318 ug/l	98
31) Cyclohexane	5.67	56	4562	1.307 ug/l #	6
36) 1,1-Dichloropropene	5.66	75	15697	4.977 ug/l #	48
38) Carbon Tetrachloride	5.66	117	22580	6.612 ug/l #	15
49) 1,4-Dioxane	7.65	88	22	0.306 ug/l #	1
60) Dibromochloromethane	9.34	129	3288	1.100 ug/l #	11
64) Tetrachloroethene	9.34	164	3683	1.262 ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	73727	24.432 ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73727	56.997 ug/l #	16

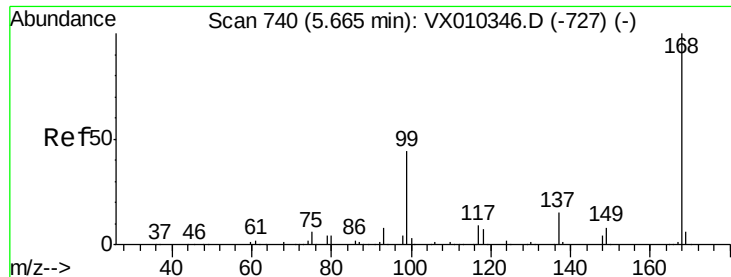
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010468.D

Acq: 26 Jun 2019 17:19

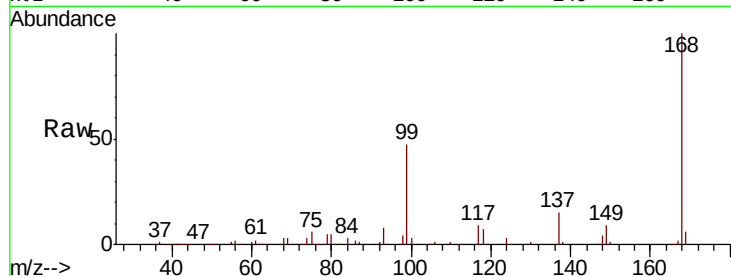
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 257730

Ion Ratio Lower Upper

168 100

99 46.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

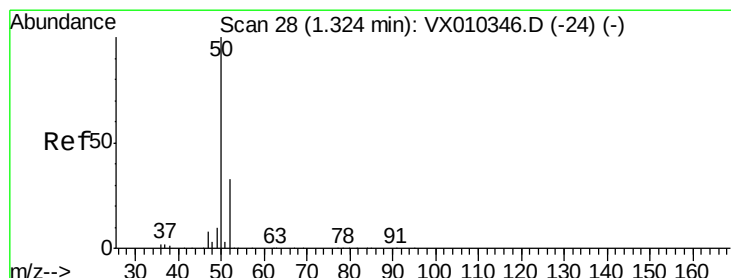
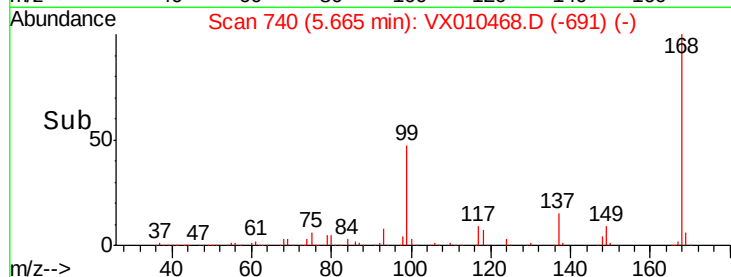
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010468.D

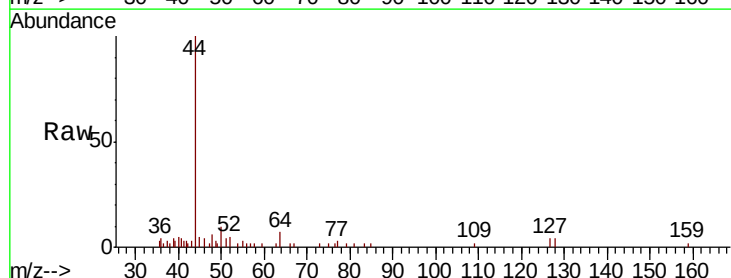
Acq: 26 Jun 2019 17:19

Tgt Ion: 50 Resp: 480

Ion Ratio Lower Upper

50 100

52 66.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

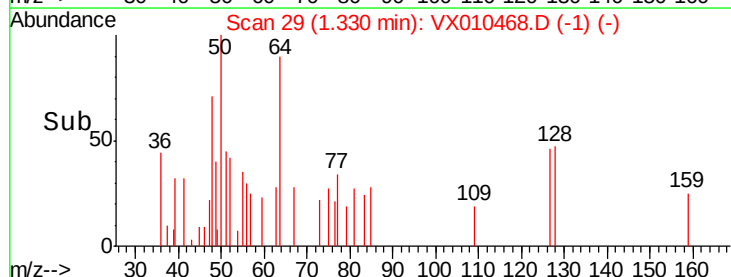
300

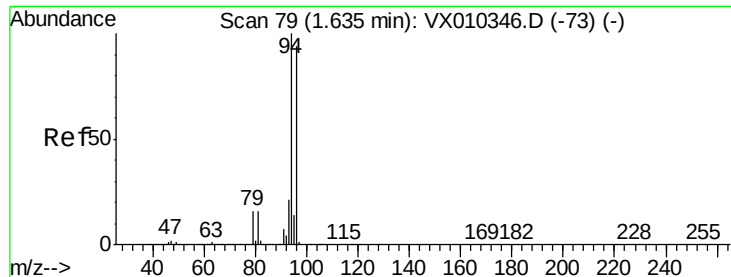
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.260 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010468.D

Acq: 26 Jun 2019 17:19

Instrument :

MSVOA_X

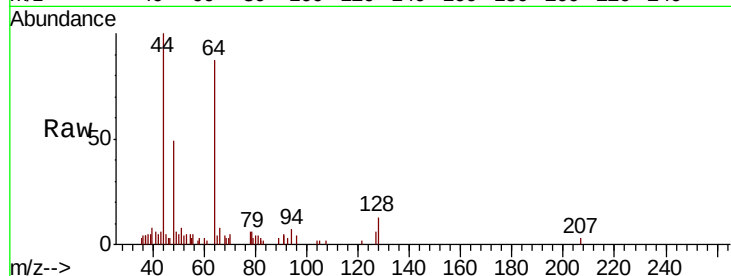
ClientSampleId :

Tot Ion: 94 Resp: 290

Ion Ratio Lower Upper

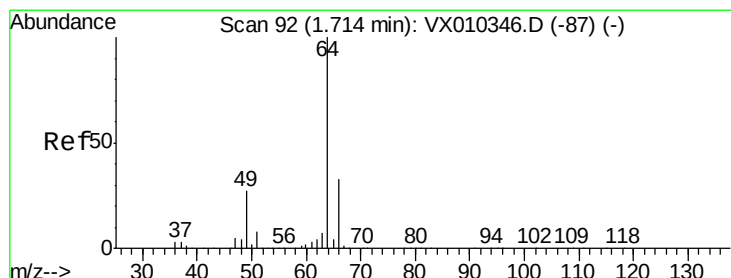
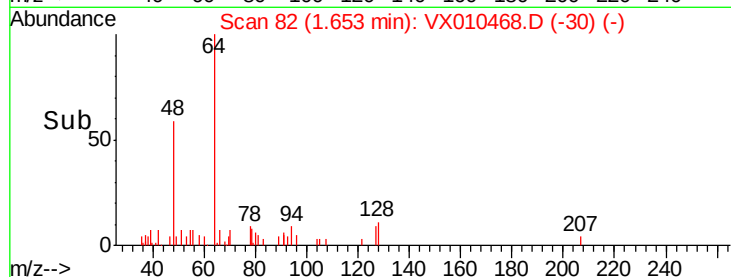
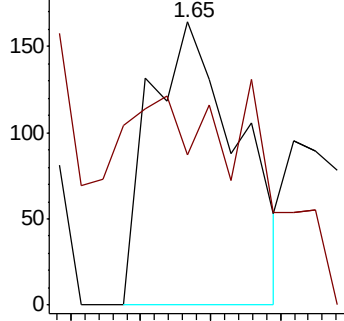
94 100

96 20.1 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.543 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX010468.D

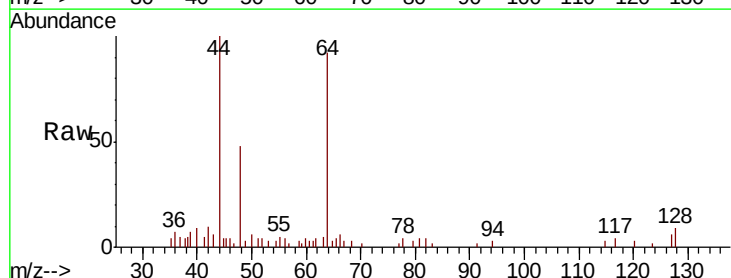
Acq: 26 Jun 2019 17:19

Tgt Ion: 64 Resp: 732

Ion Ratio Lower Upper

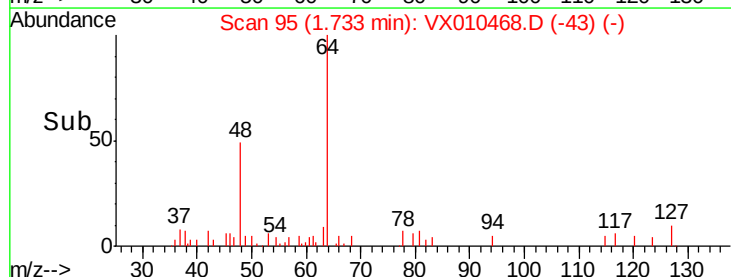
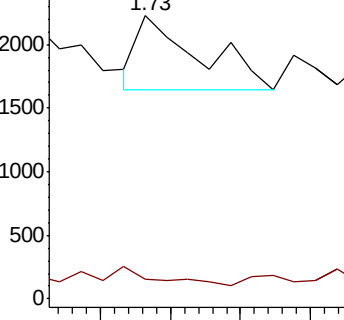
64 100

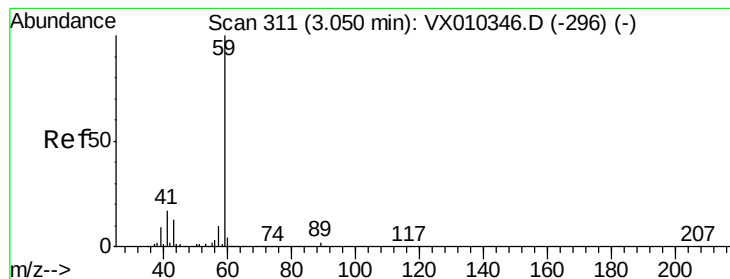
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



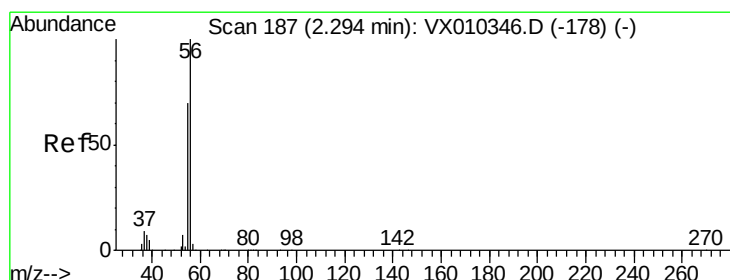
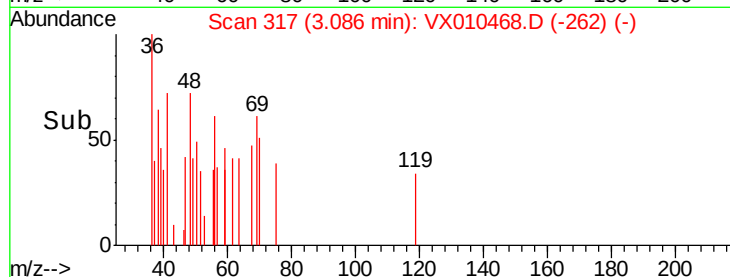
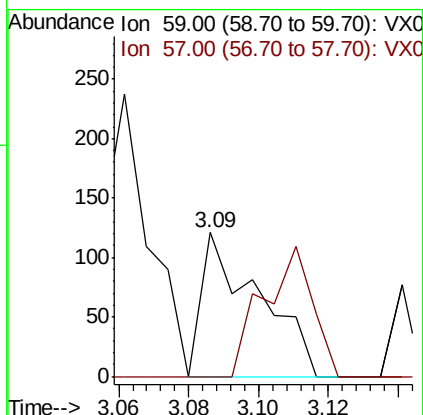
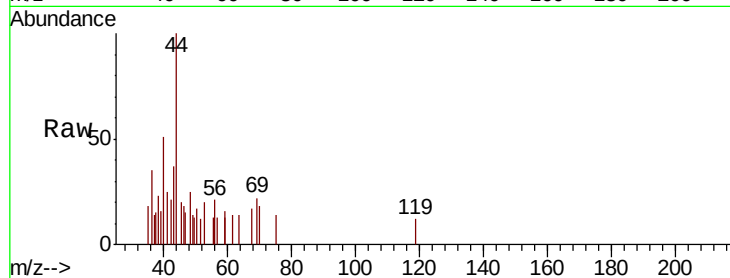


#11

Tert butyl alcohol
 Concen: 0.215 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.04 min
 Lab File: VX010468.D
 Acq: 26 Jun 2019 17:19

Instrument :
 MSVOA_X
 ClientSampled :

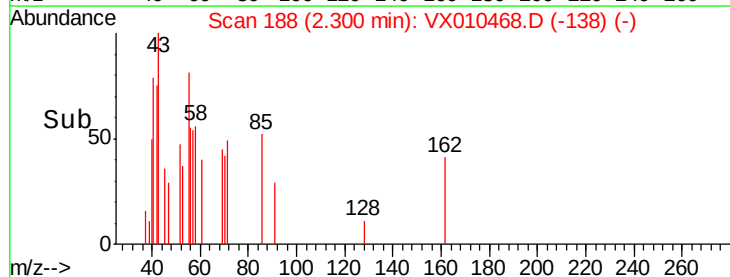
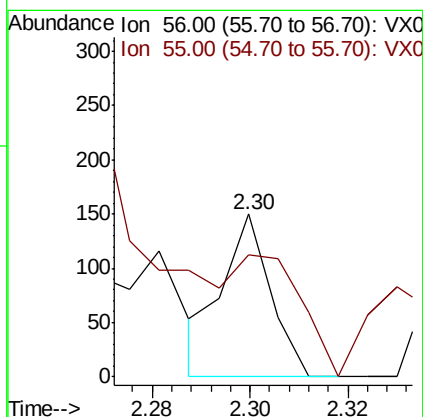
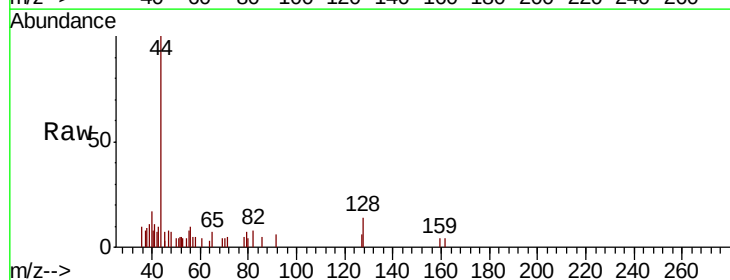
Tot Ion: 59 Resp: 136
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

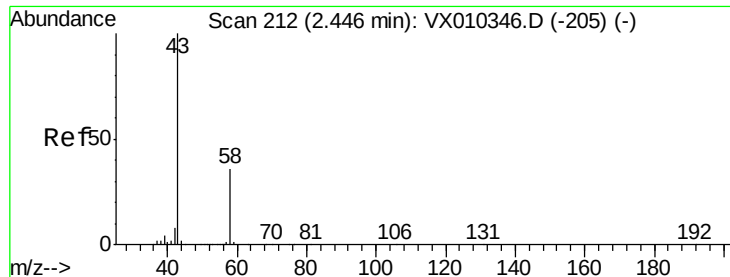


#13

Acrolein
 Concen: 0.241 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010468.D
 Acq: 26 Jun 2019 17:19

Tgt Ion: 56 Resp: 101
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 3.483 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010468.D

Acq: 26 Jun 2019 17:19

Instrument :

MSVOA_X

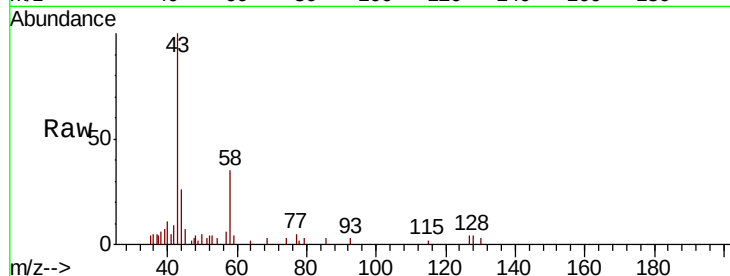
ClientSampled :

Tot Ion: 43 Resp: 4218

Ion Ratio Lower Upper

43 100

58 32.3 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

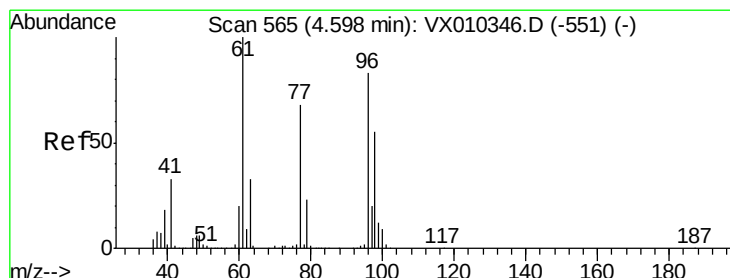
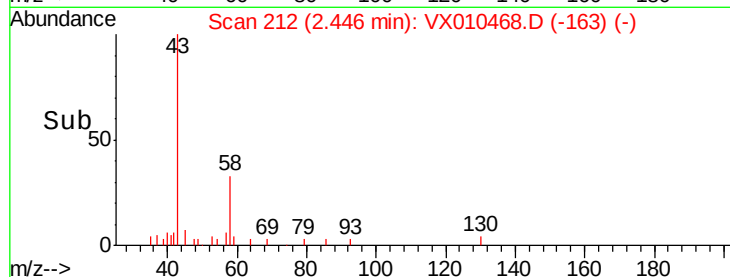
1000

500

0

2.35 2.40 2.45 2.50 2.55

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.318 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010468.D

Acq: 26 Jun 2019 17:19

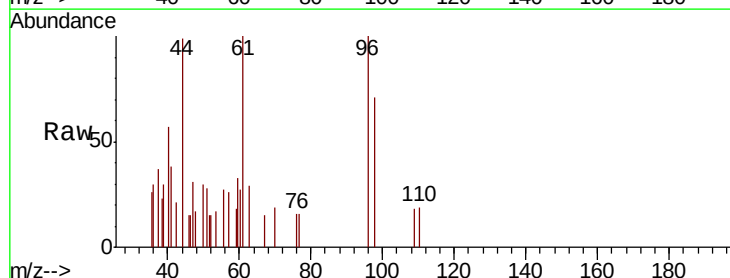
Tgt Ion: 96 Resp: 883

Ion Ratio Lower Upper

96 100

61 128.8 0.0 251.8

98 66.1 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

500

400

300

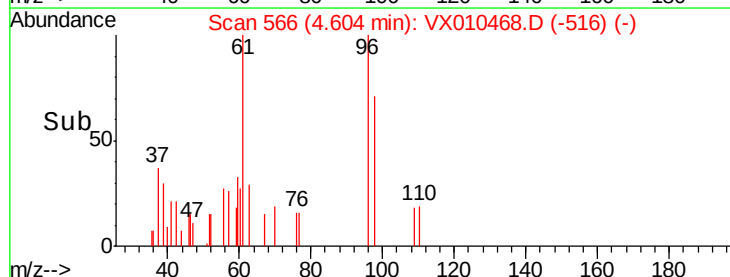
200

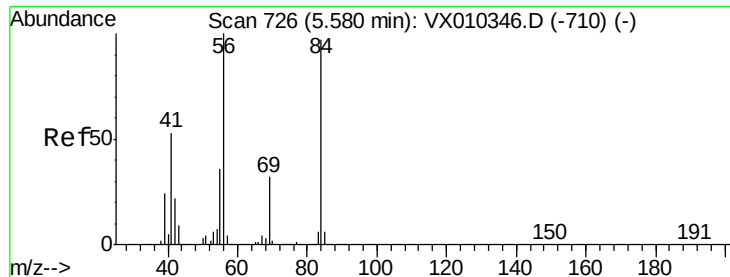
100

0

4.55 4.60 4.65

Time-->

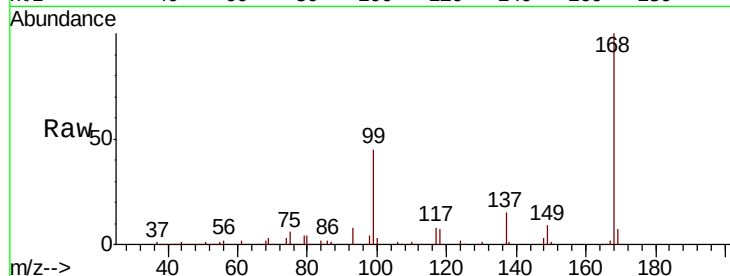




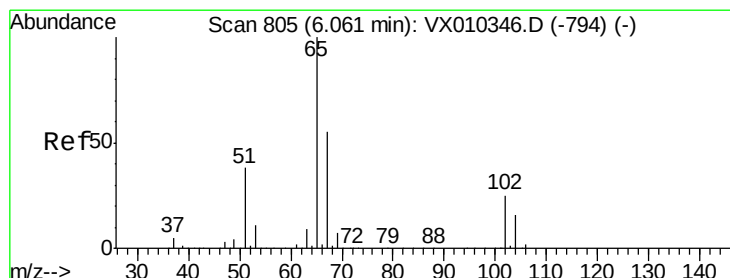
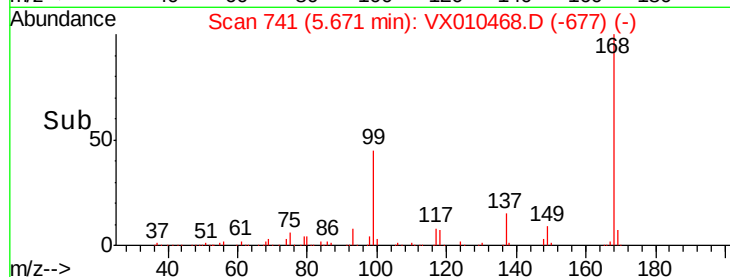
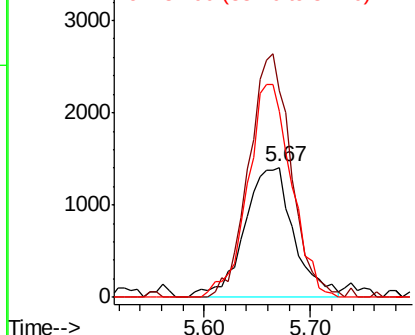
#31
Cyclohexane
Concen: 1.307 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.09 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4562
Ion Ratio Lower Upper
56 100
69 158.3 25.9 38.9#
84 147.7 78.0 117.0#

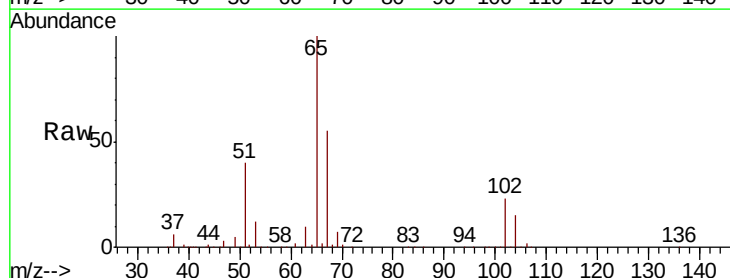


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

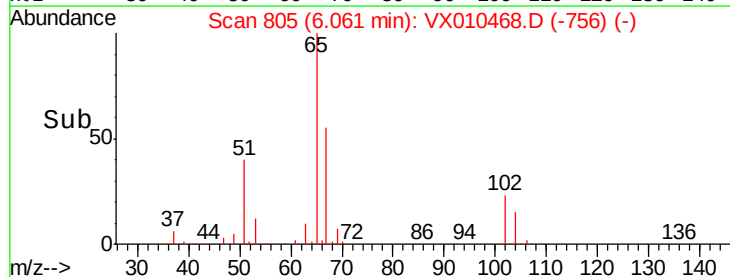
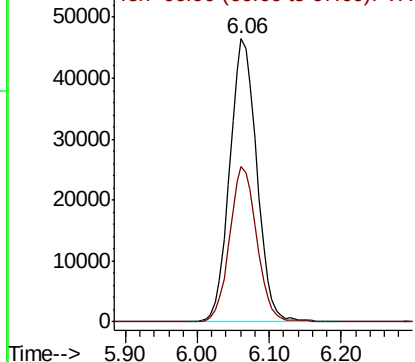


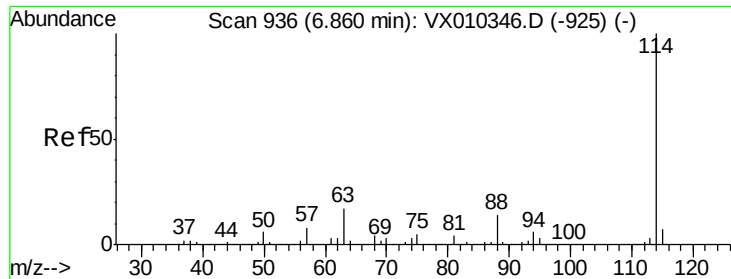
#33
1,2-Dichloroethane-d4
Concen: 50.317 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Tgt Ion: 65 Resp: 121590
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.2



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

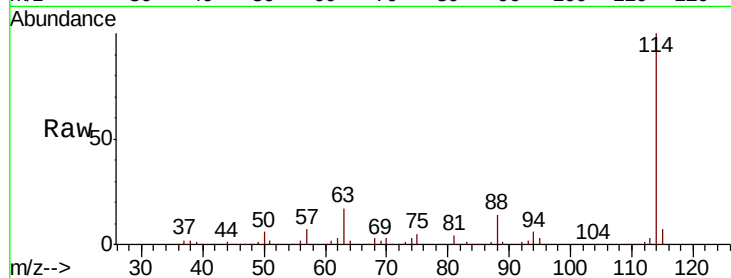




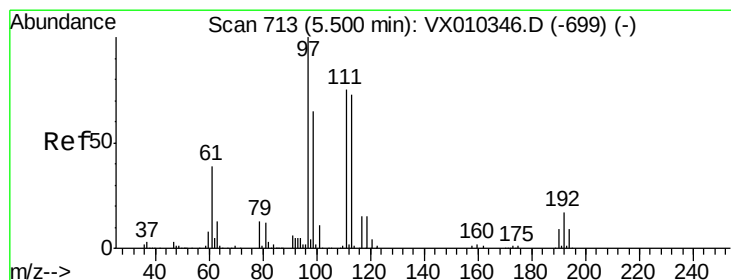
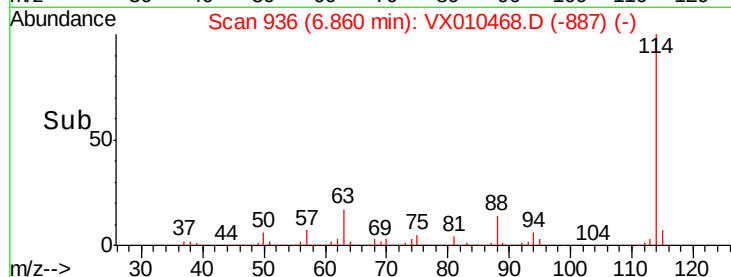
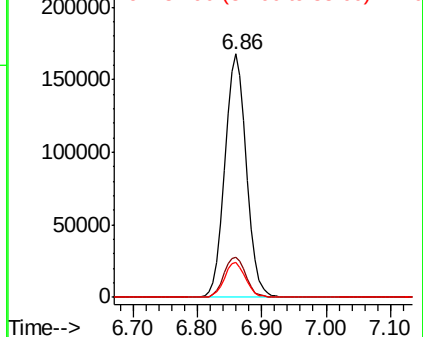
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 396887
Ion Ratio Lower Upper
114 100
63 16.6 0.0 33.8
88 14.4 0.0 27.6

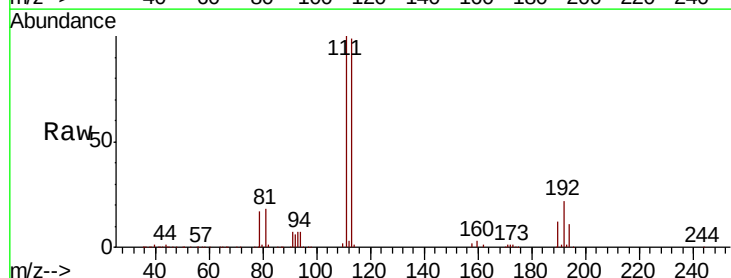


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

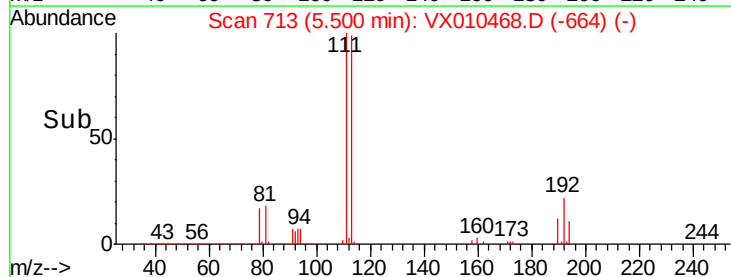
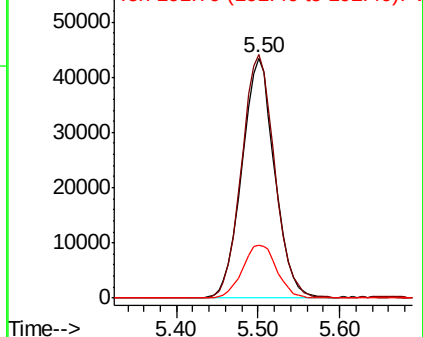


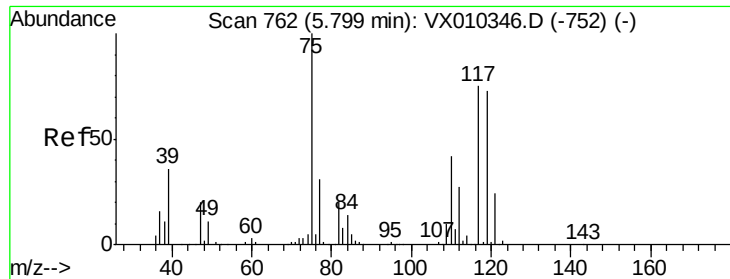
#35
Dibromofluoromethane
Concen: 49.798 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Tgt Ion:113 Resp: 120924
Ion Ratio Lower Upper
113 100
111 102.8 81.2 121.8
192 23.2 18.6 27.8



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





#36

1,1-Dichloropropene

Concen: 4.977 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010468.D

Acq: 26 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

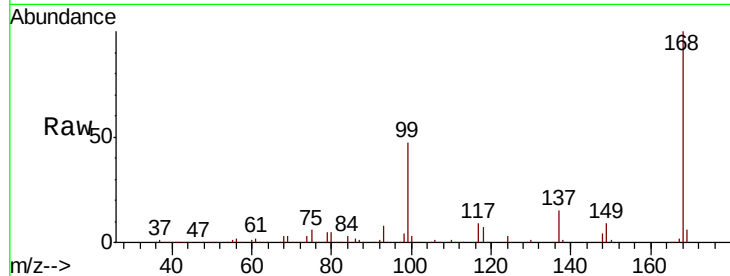
Tot Ion: 75 Resp: 15697

Ion Ratio Lower Upper

75 100

110 11.1 20.8 62.2#

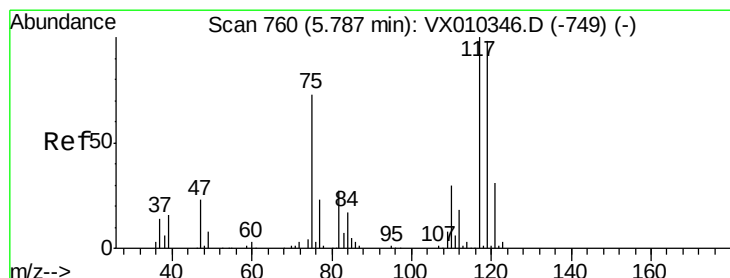
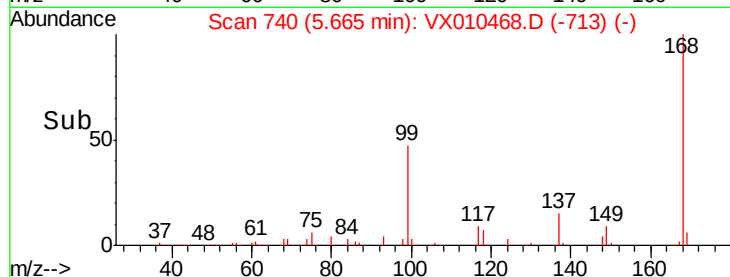
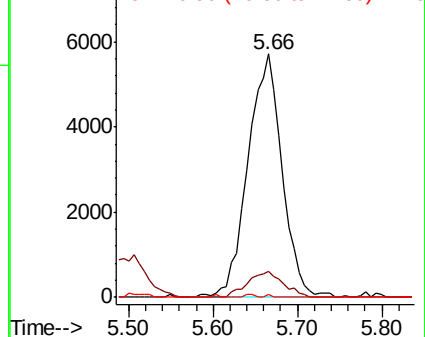
77 0.1 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.612 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010468.D

Acq: 26 Jun 2019 17:19

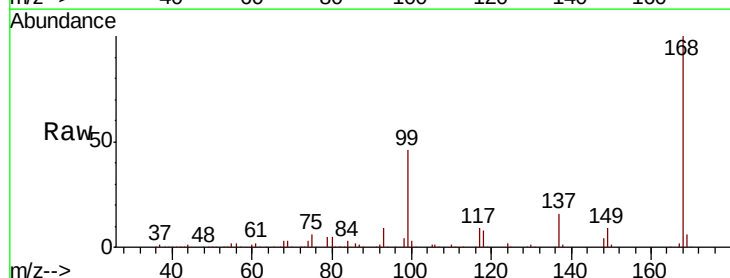
Tgt Ion: 117 Resp: 22580

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.4#

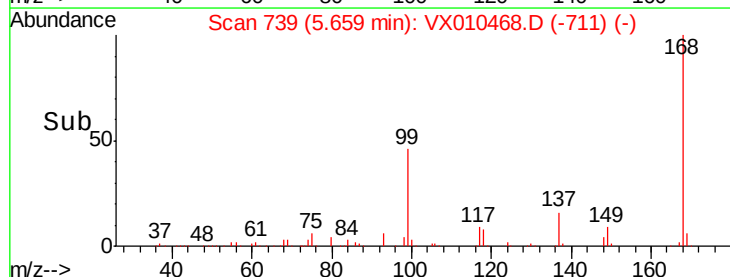
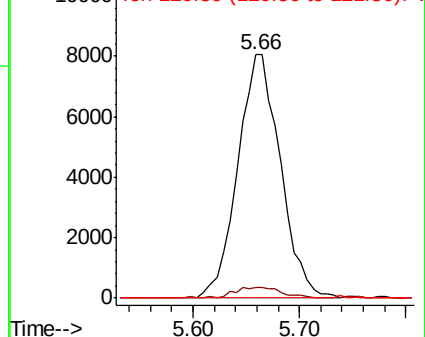
121 0.0 24.7 37.1#

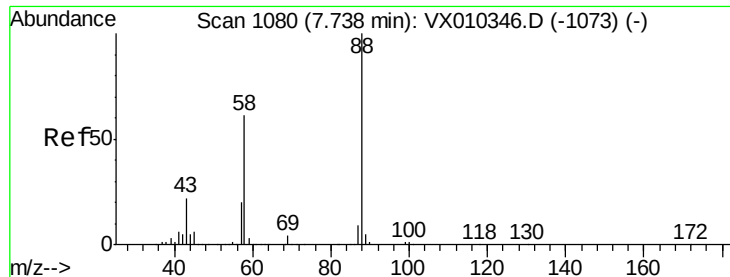


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.306 ug/l

RT: 7.65 min Scan# 1065

Delta R.T. -0.09 min

Lab File: VX010468.D

Acq: 26 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampled :

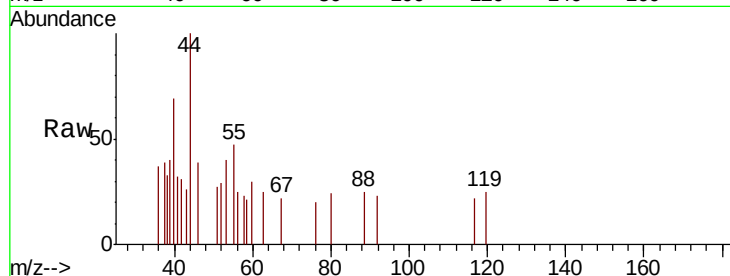
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 536.4 20.2 30.2#

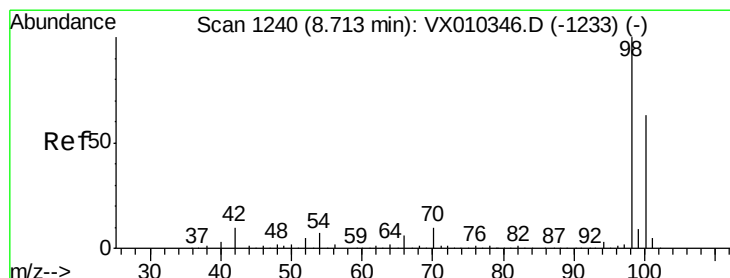
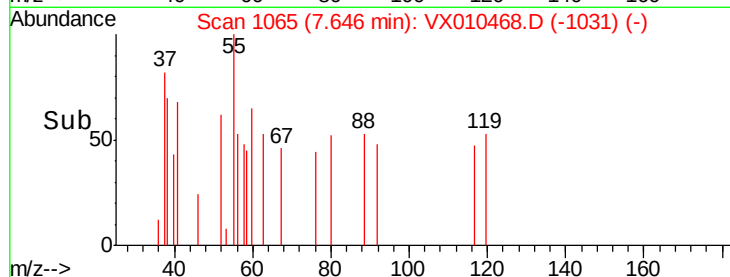
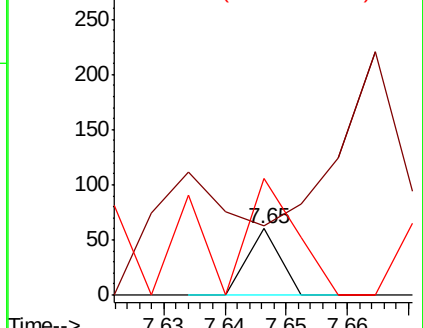
58 413.6 49.5 74.3#



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: 50.256 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010468.D

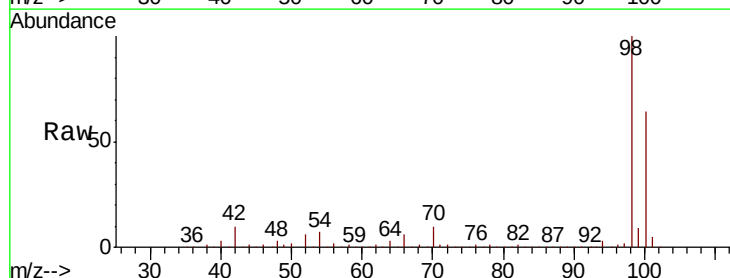
Acq: 26 Jun 2019 17:19

Tgt Ion: 98 Resp: 466886

Ion Ratio Lower Upper

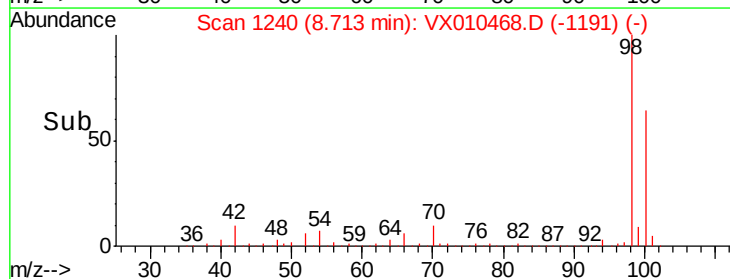
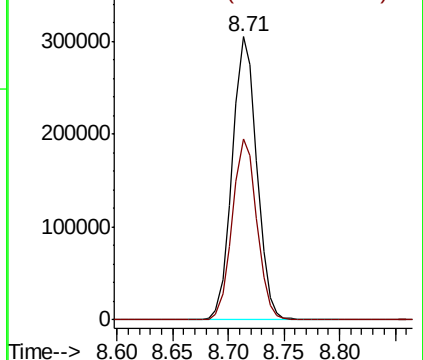
98 100

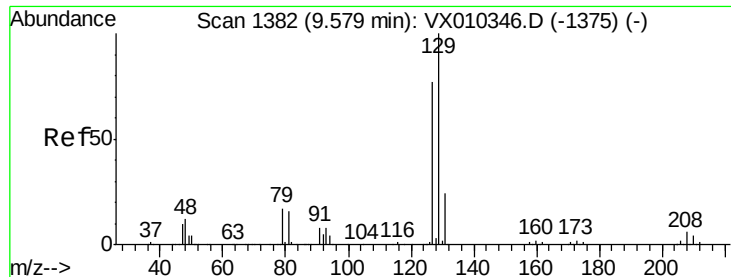
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

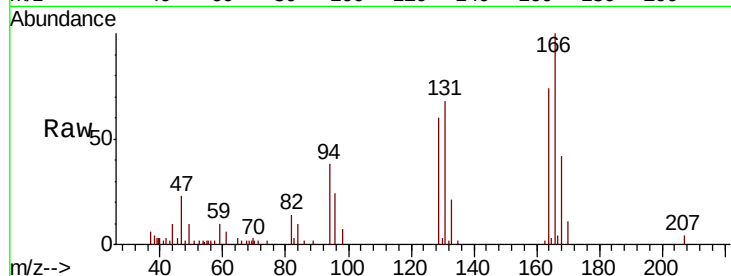




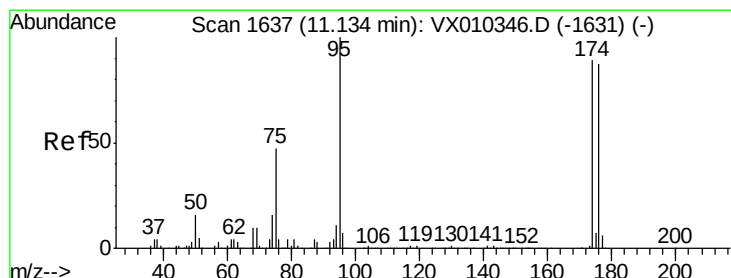
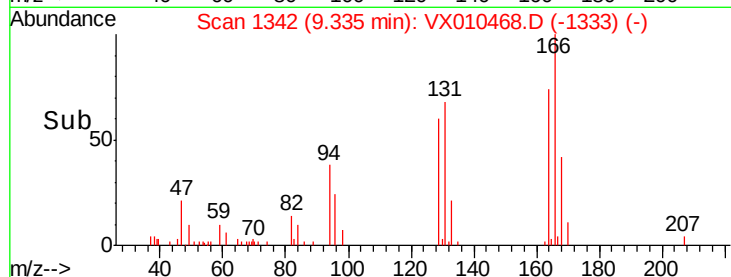
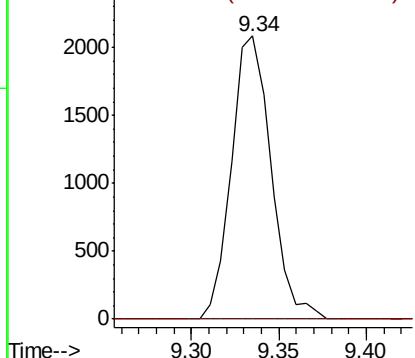
#60
Dibromochloromethane
Concen: 1.100 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 3288
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#

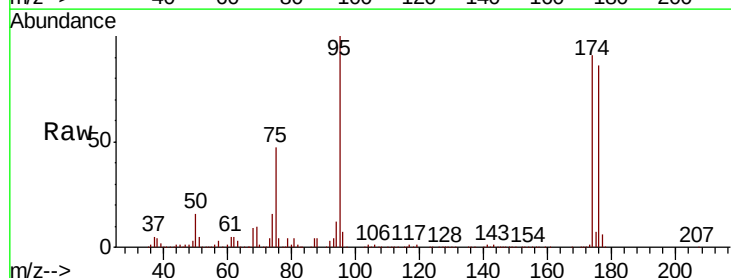


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

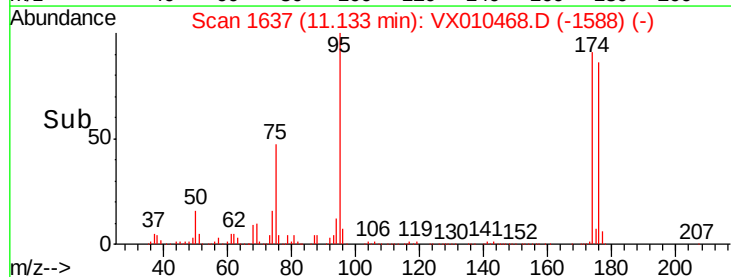
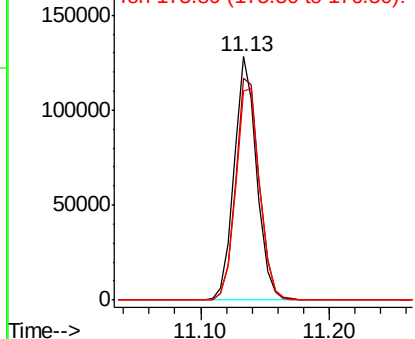


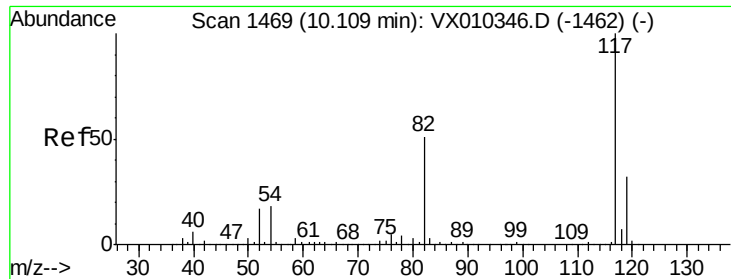
#62
4-Bromofluorobenzene
Concen: 46.542 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Tgt Ion: 95 Resp: 156103
Ion Ratio Lower Upper
95 100
174 96.0 0.0 187.6
176 92.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

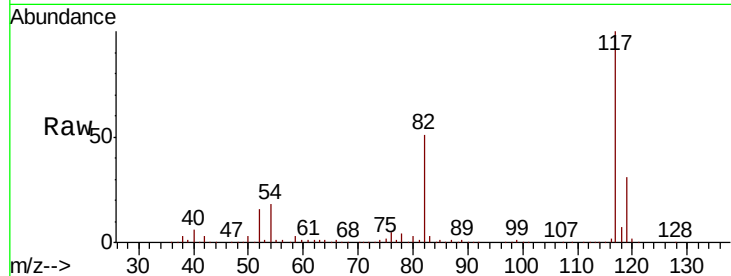




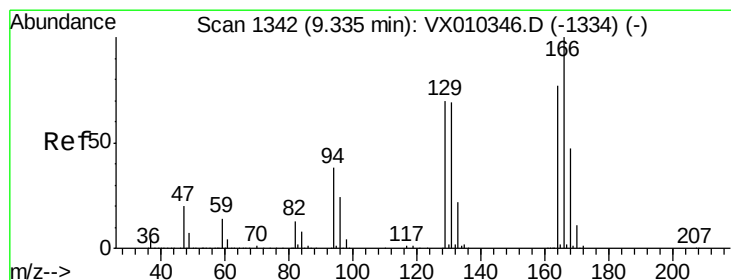
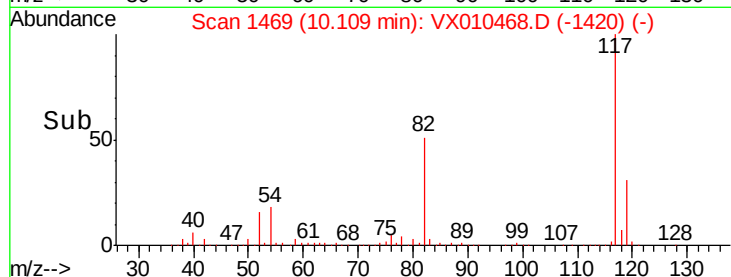
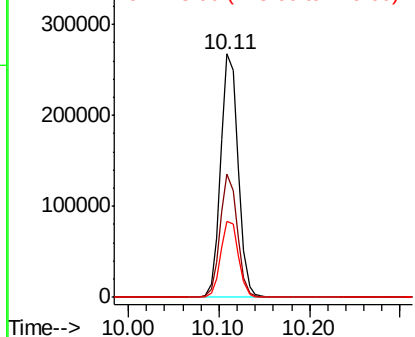
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 360836
Ion Ratio Lower Upper
117 100
82 50.6 41.2 61.8
119 31.4 25.5 38.3



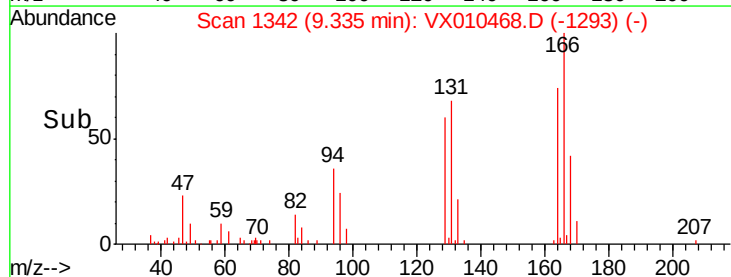
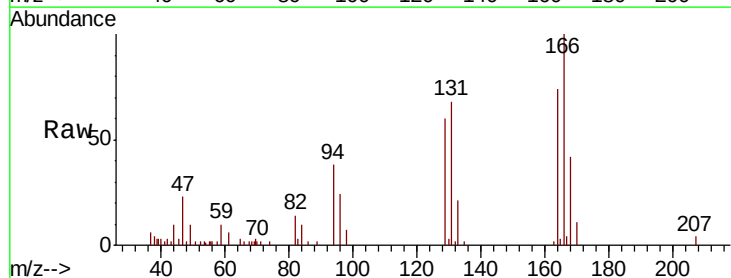
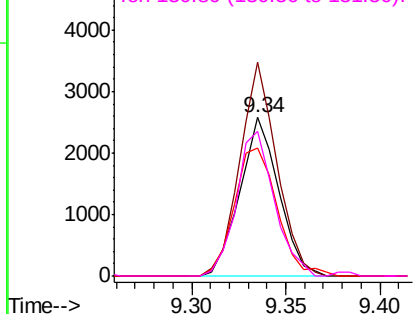
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

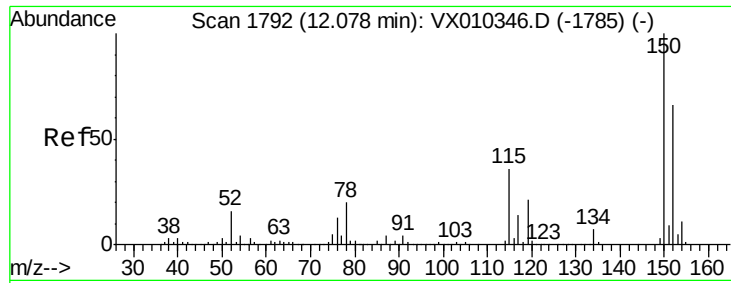


#64
Tetrachloroethene
Concen: 1.262 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Tgt Ion:164 Resp: 3683
Ion Ratio Lower Upper
164 100
166 135.0 103.6 155.4
129 81.0 73.0 109.4
131 91.7 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



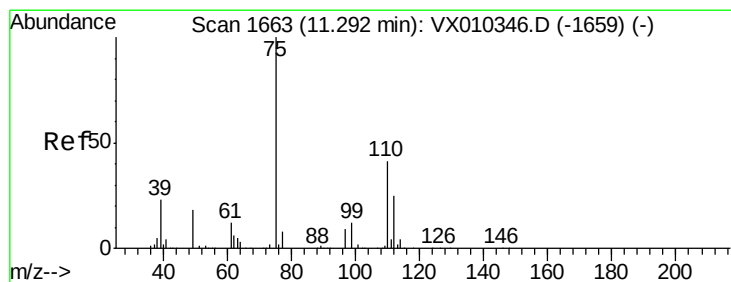
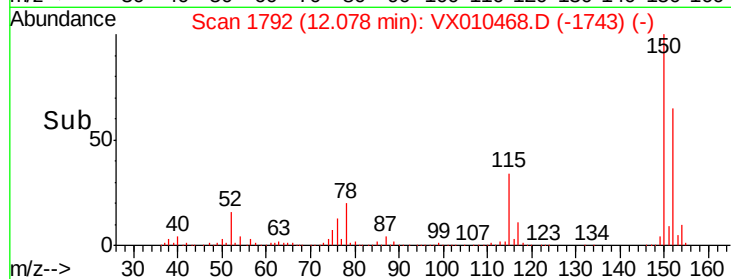
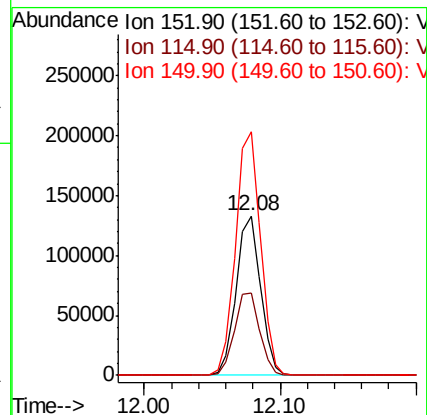
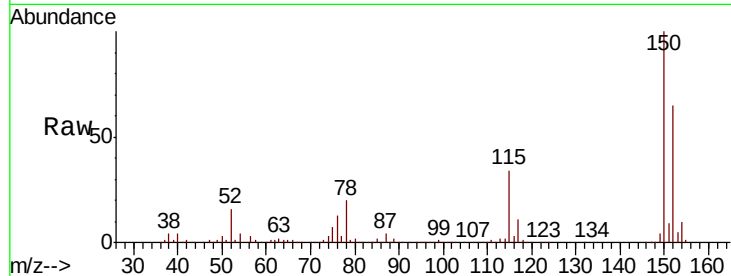


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :

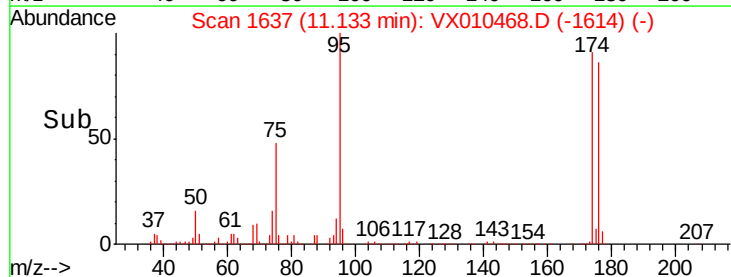
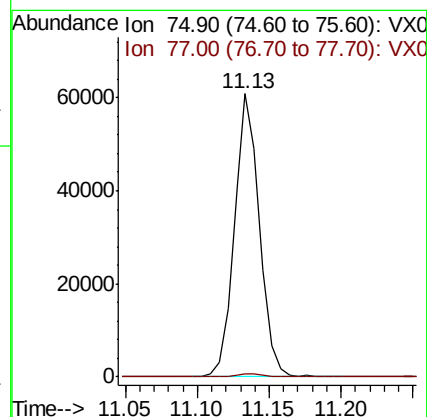
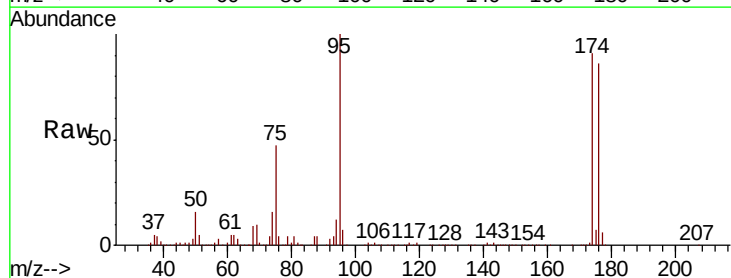
Tot Ion:152 Resp: 165600
Ion Ratio Lower Upper
152 100
115 53.6 38.6 115.7
150 156.3 0.0 347.4

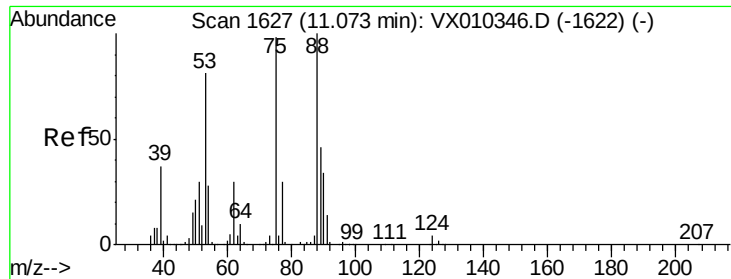


#76

1,2,3-Trichloropropane
Concen: 24.432 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010468.D
Acq: 26 Jun 2019 17:19

Tgt Ion: 75 Resp: 73727
Ion Ratio Lower Upper
75 100
77 1.1 22.6 67.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.997 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010468.D
 Acq: 26 Jun 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 73727
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

