

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010029.D
 Acq On : 03 Jun 2019 12:30
 Operator : JC/SP
 Sample : K3131-09DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 03:38:57 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	5.67	168	177831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113796	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	118181	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
35) Dibromofluoromethane	5.50	113	87323	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	362022	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.13	95	123134	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	

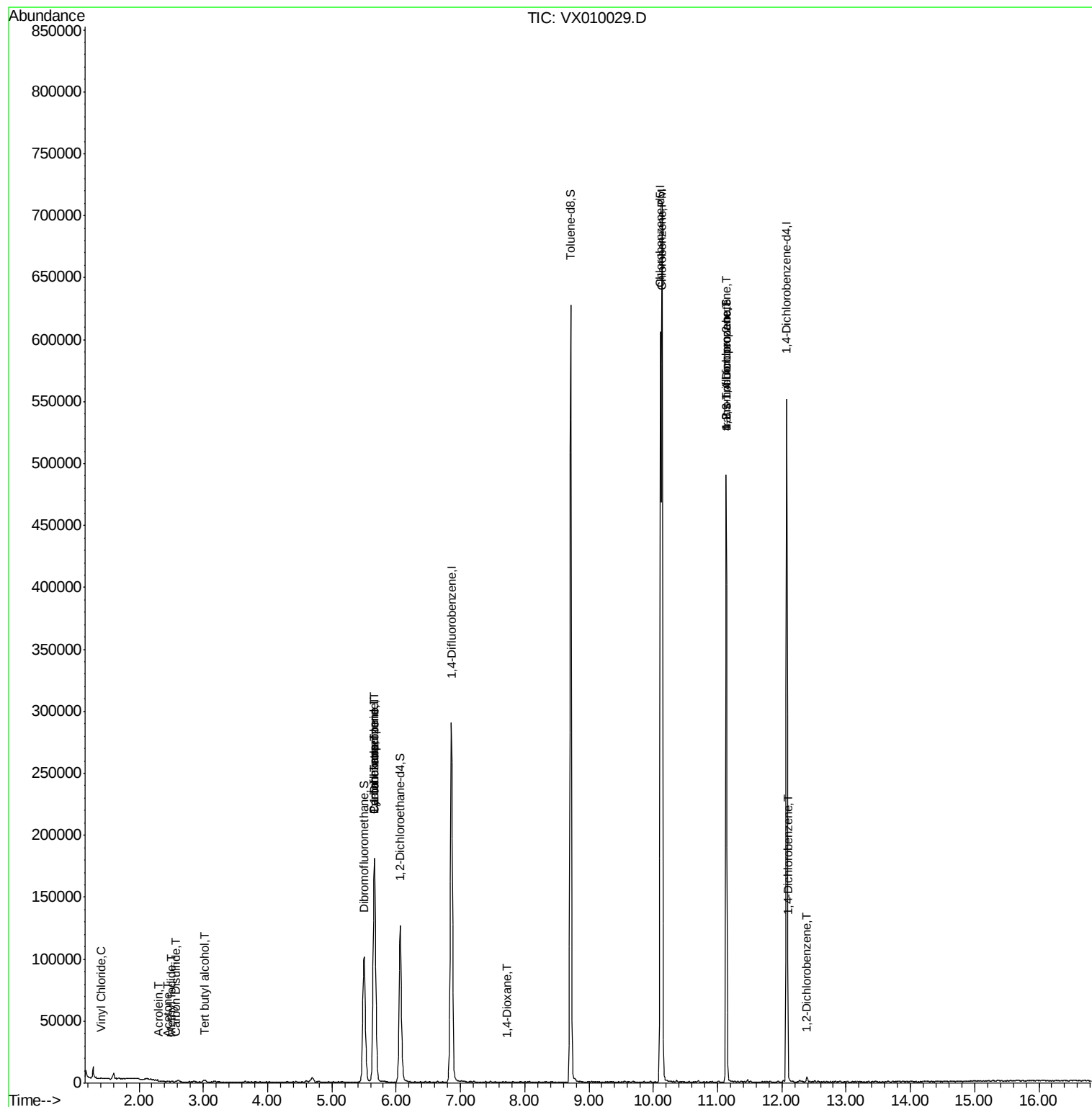
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	820	0.311	ug/l #	82
10) Methyl Iodide	2.51	142	293	4.779	ug/l #	61
11) Tert butyl alcohol	3.02	59	1153	1.865	ug/l #	82
13) Acrolein	2.30	56	90	21.285	ug/l #	14
16) Acetone	2.45	43	604	0.416	ug/l #	80
17) Carbon Disulfide	2.57	76	845	0.538	ug/l #	91
31) Cyclohexane	5.66	56	4153	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13829	4.785	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16667	6.674	ug/l #	16
49) 1,4-Dioxane	7.72	88	19	0.318	ug/l #	1
65) Chlorobenzene	10.13	112	295303	54.983	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	63344	23.278	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63344	57.593	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	1827	0.470	ug/l #	55
91) 1,2-Dichlorobenzene	12.39	146	1239	0.330	ug/l	95

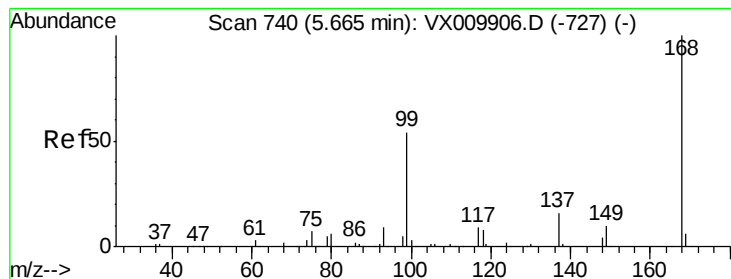
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010029.D

Acq: 03 Jun 2019 12:30

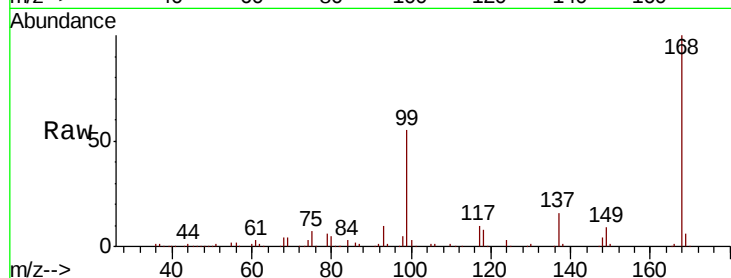
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 177831

Ion Ratio Lower Upper

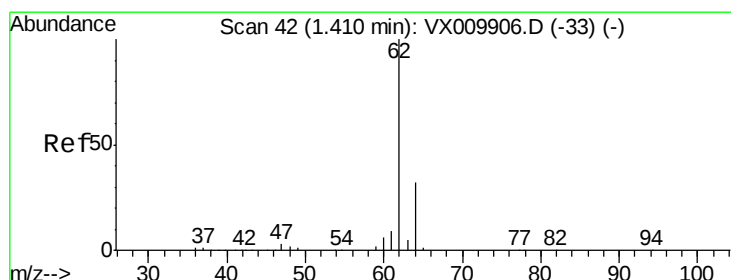
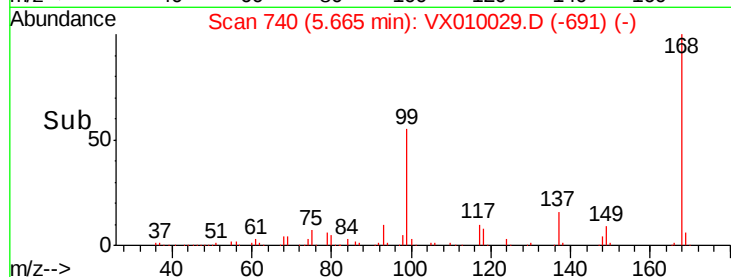
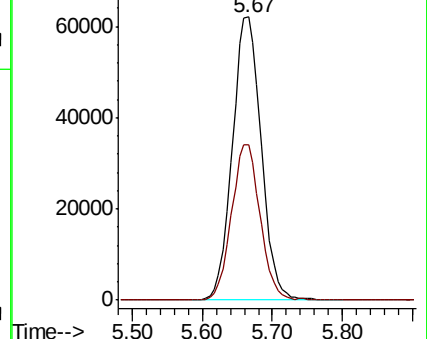
168 100

99 54.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.311 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010029.D

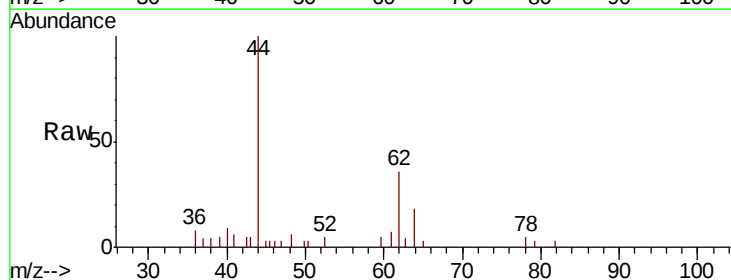
Acq: 03 Jun 2019 12:30

Tgt Ion: 62 Resp: 820

Ion Ratio Lower Upper

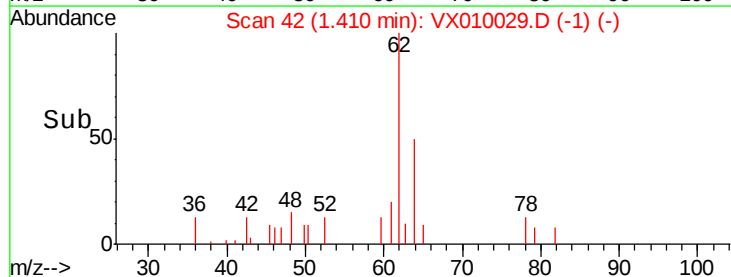
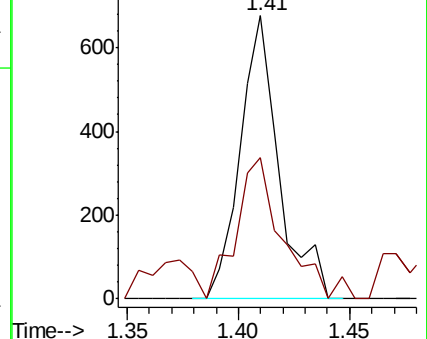
62 100

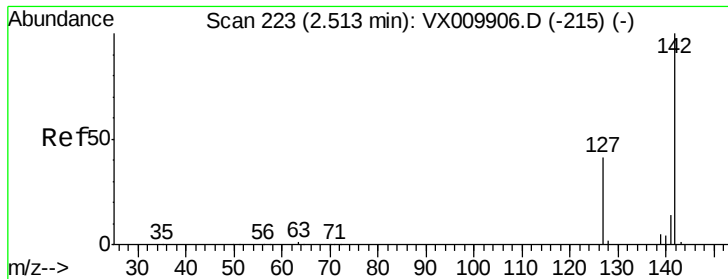
64 42.3 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

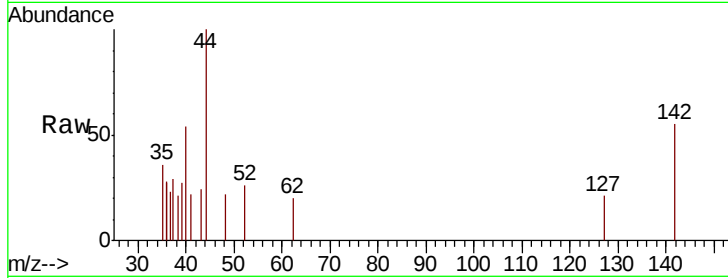




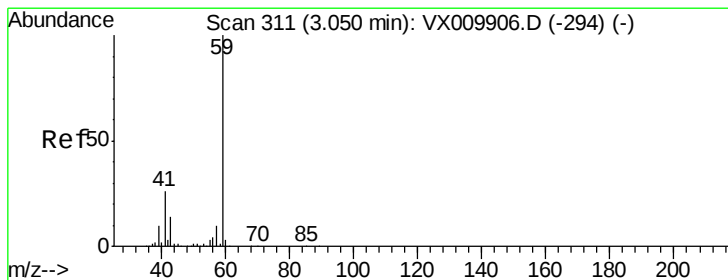
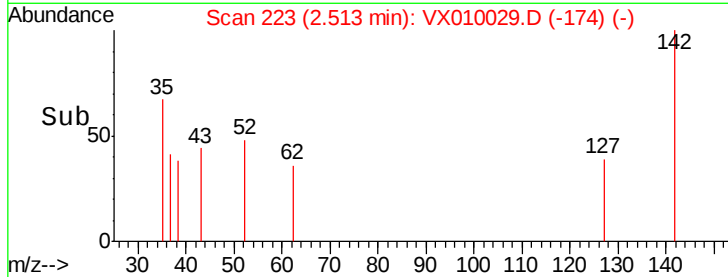
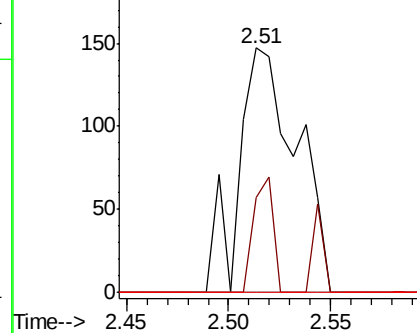
#10
Methvl Iodide
Concen: 4.779 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 293
Ion Ratio Lower Upper
142 100
127 15.7 33.0 49.4#
141 0.0 11.4 17.0#

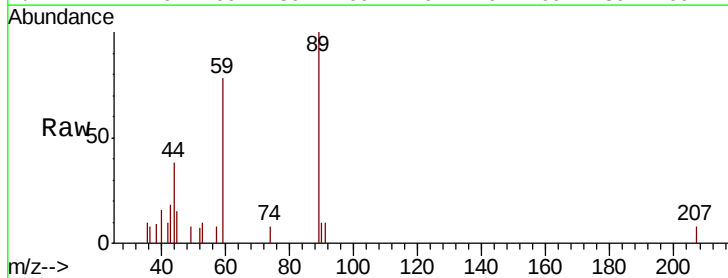


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

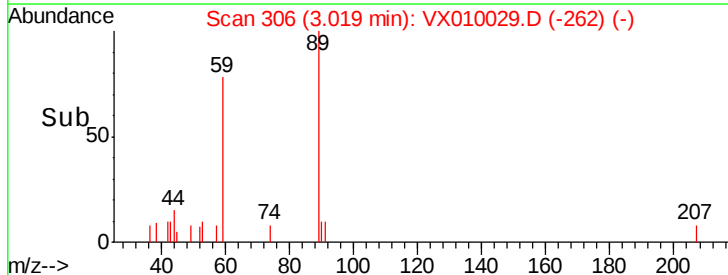
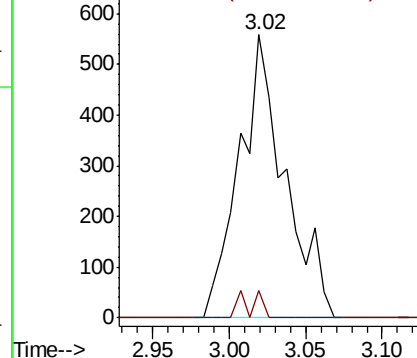


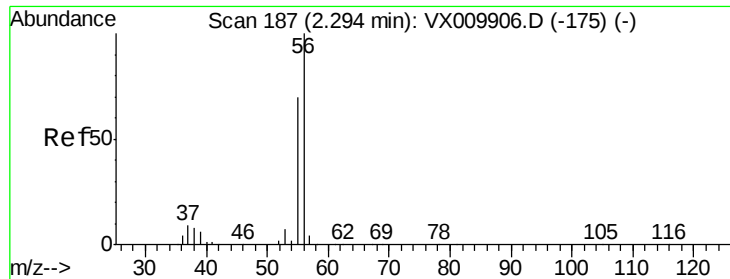
#11
Tert butyl alcohol
Concen: 1.865 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Tgt Ion: 59 Resp: 1153
Ion Ratio Lower Upper
59 100
57 3.5 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: 21.285 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010029.D

Acq: 03 Jun 2019 12:30

Instrument :

MSVOA_X

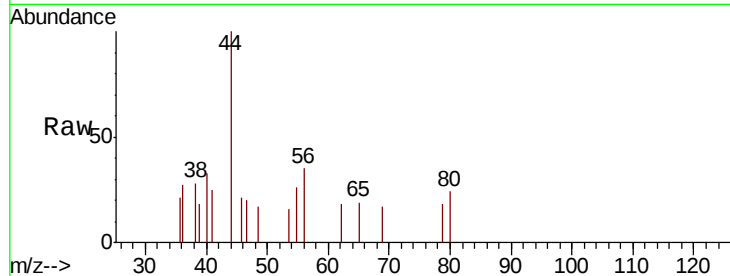
ClientSampleId :

Tot Ion: 56 Resp: 90

Ion Ratio Lower Upper

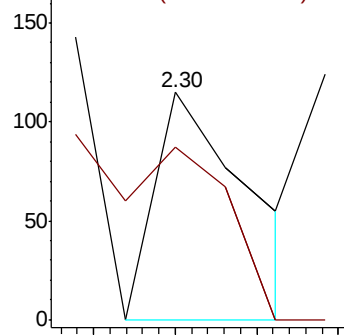
56 100

55 0.0 57.0 85.4#

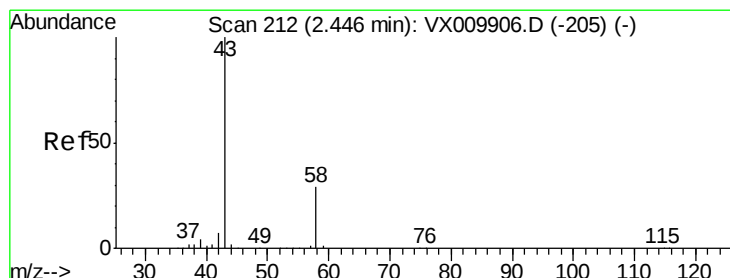
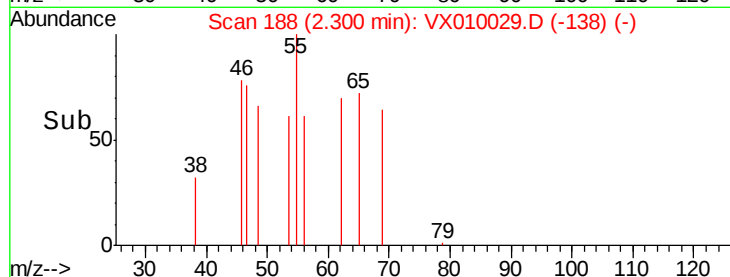


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.416 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010029.D

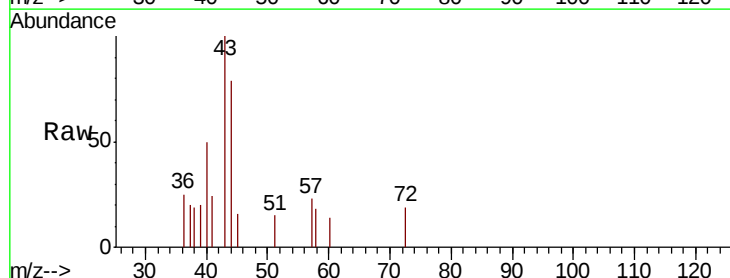
Acq: 03 Jun 2019 12:30

Tgt Ion: 43 Resp: 604

Ion Ratio Lower Upper

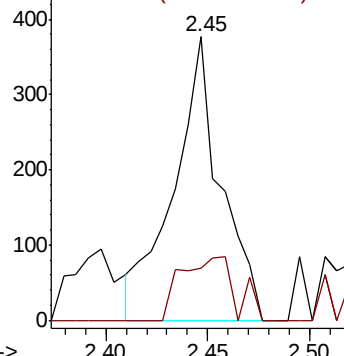
43 100

58 18.3 23.2 34.8#

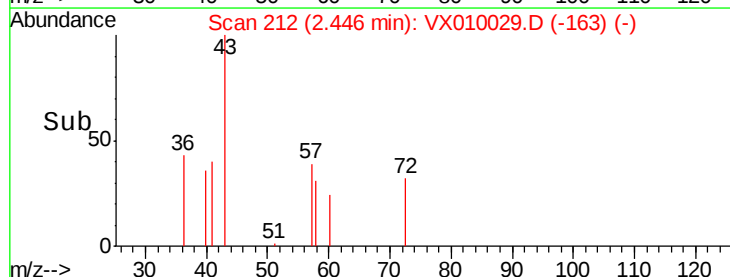


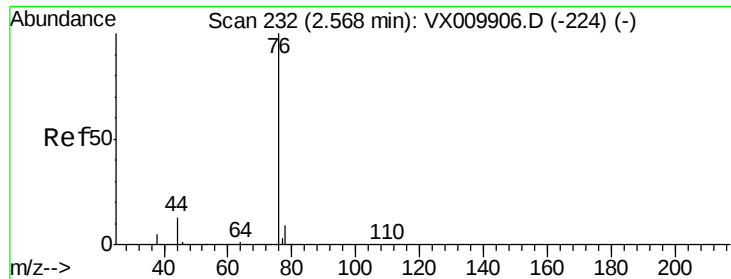
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

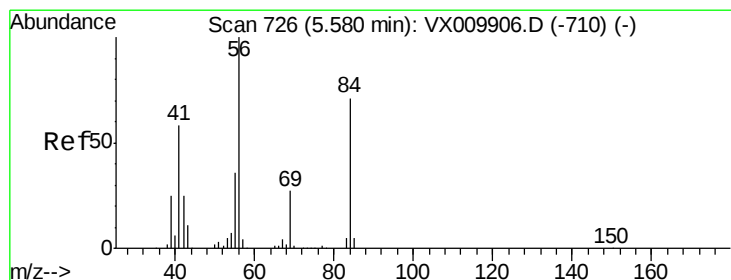
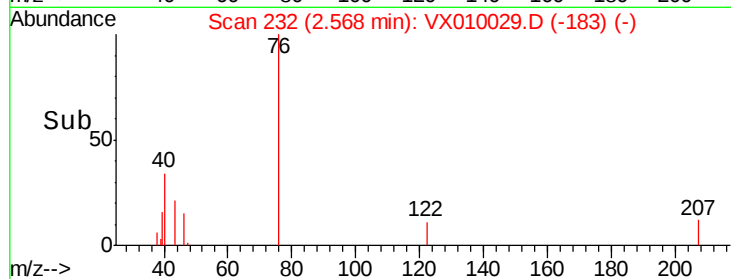
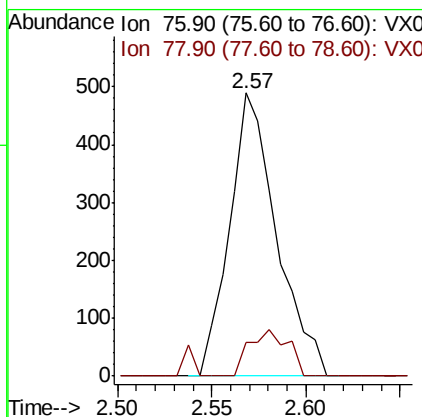
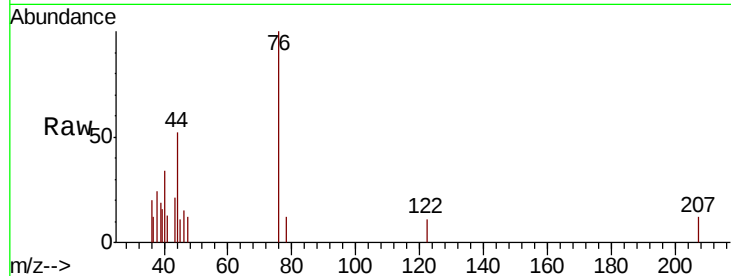




#17
Carbon Disulfide
Concen: 0.538 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

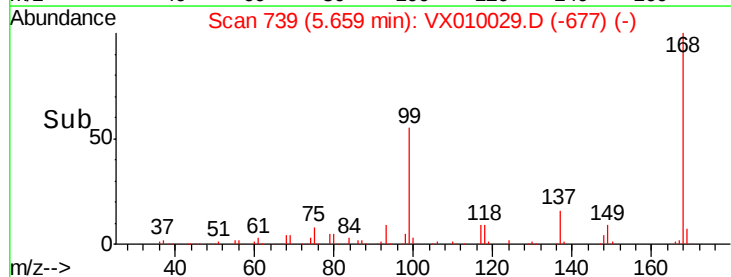
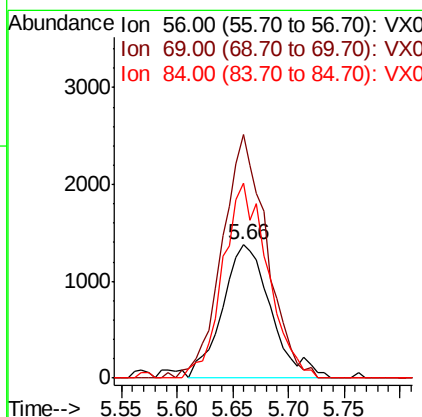
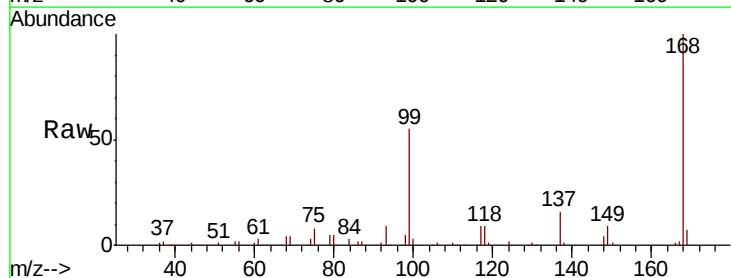
Instrument :
MSVOA_X
ClientSampled :

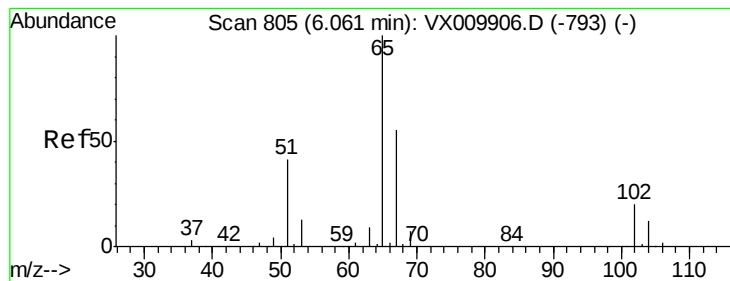
Tot Ion: 76 Resp: 845
Ion Ratio Lower Upper
76 100
78 11.9 7.0 10.6#



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Tgt Ion: 56 Resp: 4153
Ion Ratio Lower Upper
56 100
69 182.4 21.6 32.4#
84 145.7 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 47.046 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010029.D

Acq: 03 Jun 2019 12:30

Instrument :

MSVOA_X

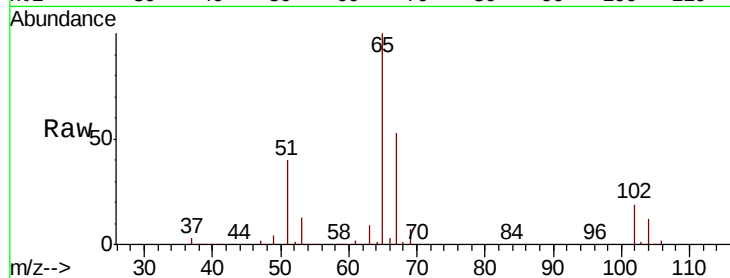
ClientSampled :

Tot Ion: 65 Resp: 118181

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

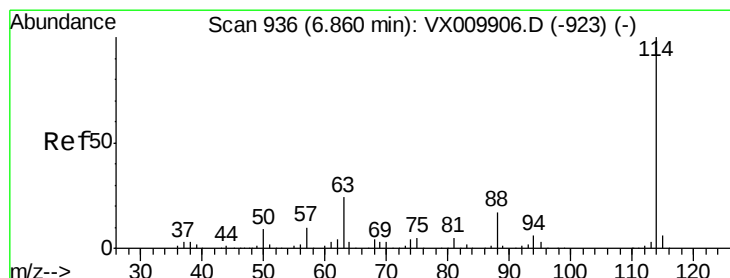
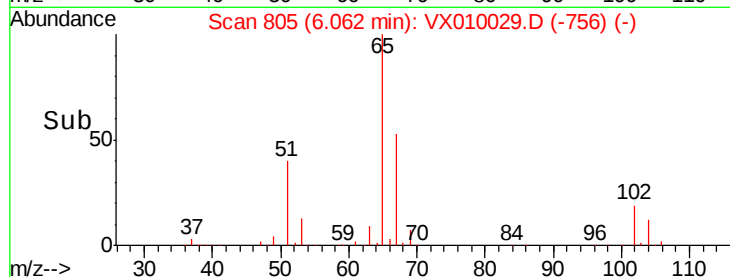
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010029.D

Acq: 03 Jun 2019 12:30

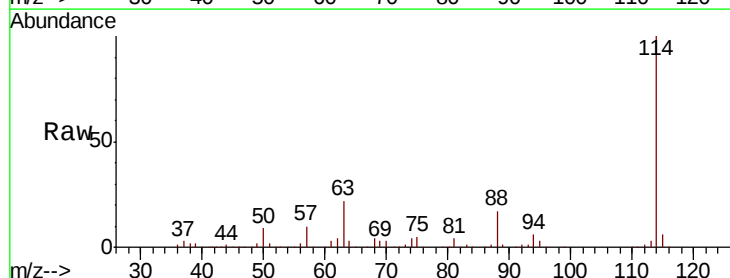
Tgt Ion: 114 Resp: 284846

Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.4

88 16.5 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

6.86

150000

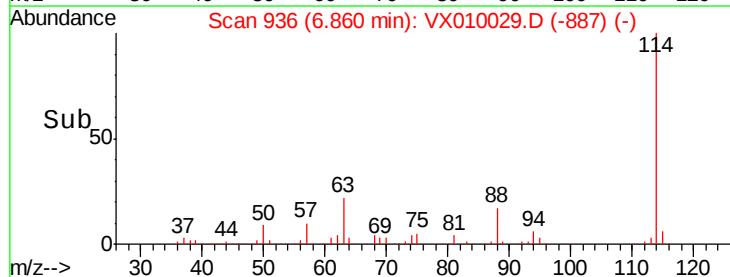
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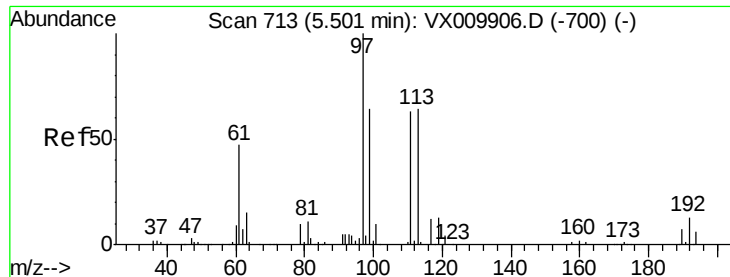
50000

0

Time-->

6.70 6.80 6.90 7.00

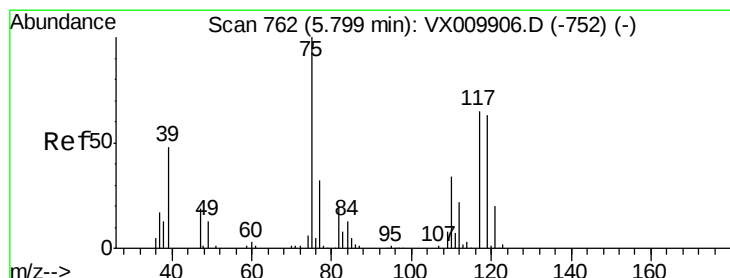
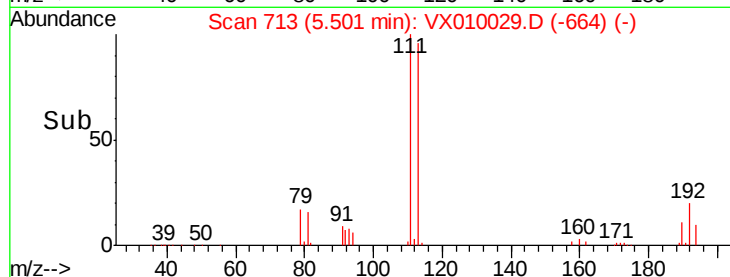
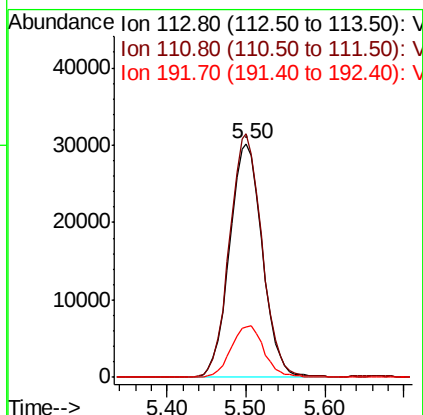
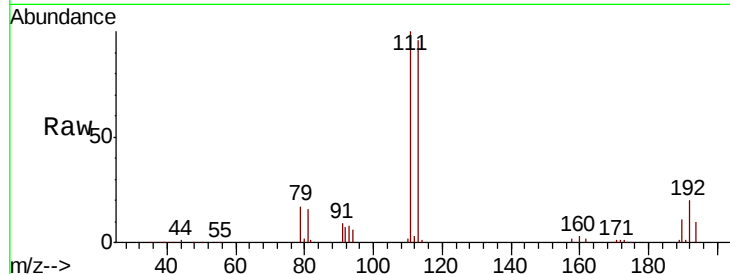




#35
Dibromofluoromethane
Concen: 48.761 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

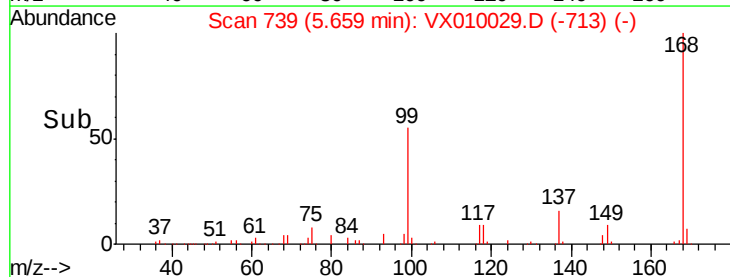
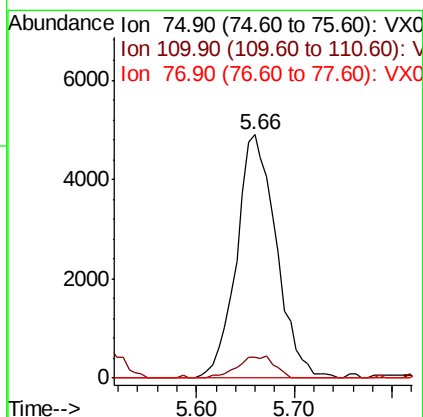
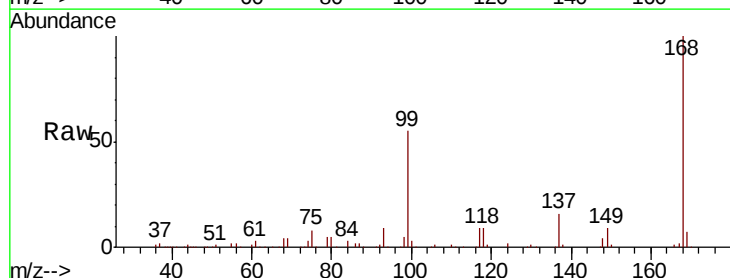
Instrument :
MSVOA_X
ClientSampleId :

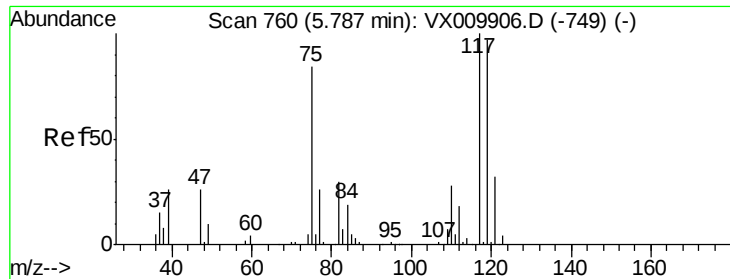
Tot Ion:113 Resp: 87323
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 22.1 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Tgt Ion: 75 Resp: 13829
Ion Ratio Lower Upper
75 100
110 8.5 16.7 50.1#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.674 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010029.D

Acq: 03 Jun 2019 12:30

Instrument :

MSVOA_X

ClientSampled :

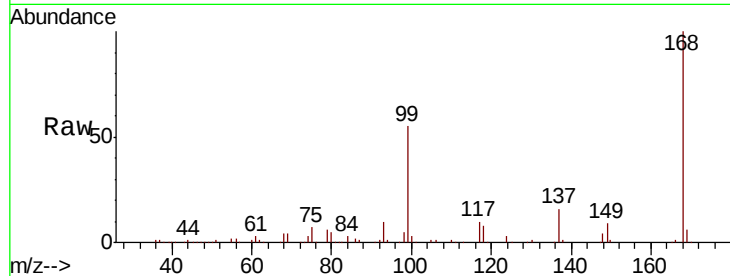
Tot Ion:117 Resp: 16667

Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

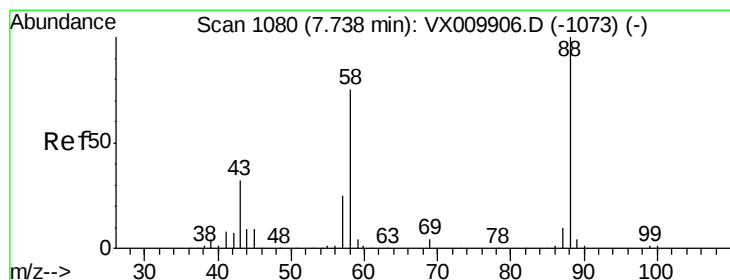
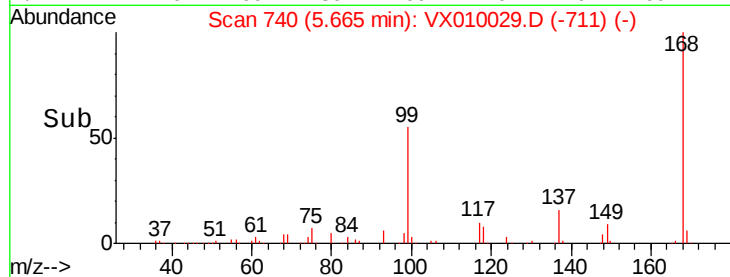
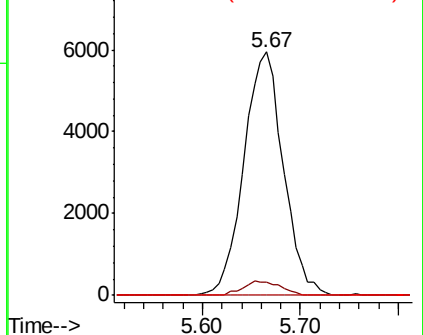
121 0.0 25.4 38.0#



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: 0.318 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX010029.D

Acq: 03 Jun 2019 12:30

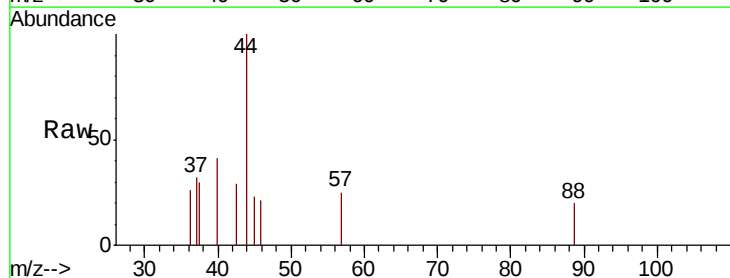
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 252.6 30.2 45.4#

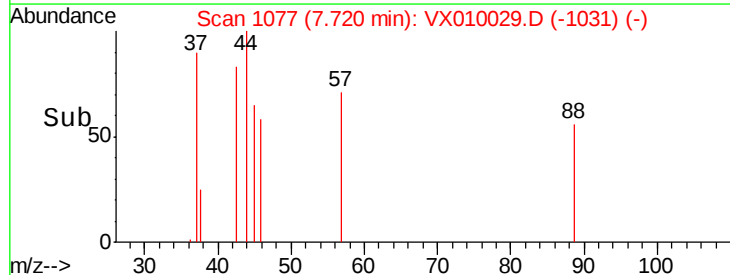
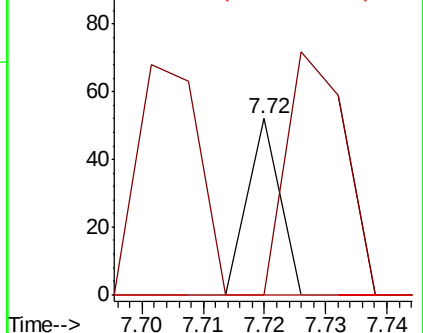
58 0.0 64.0 96.0#

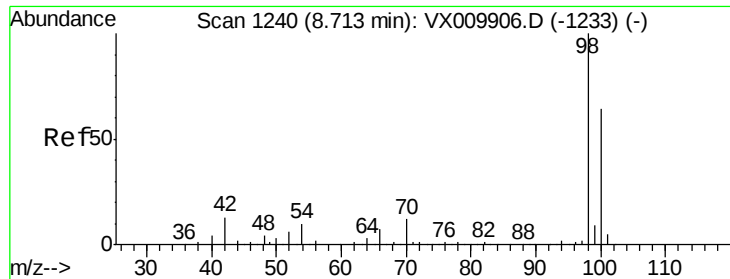


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.782 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010029.D

Acq: 03 Jun 2019 12:30

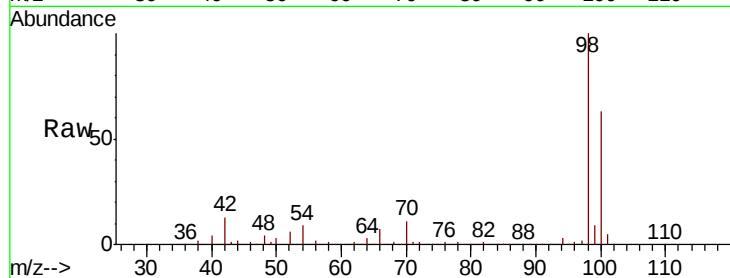
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 362022

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

0

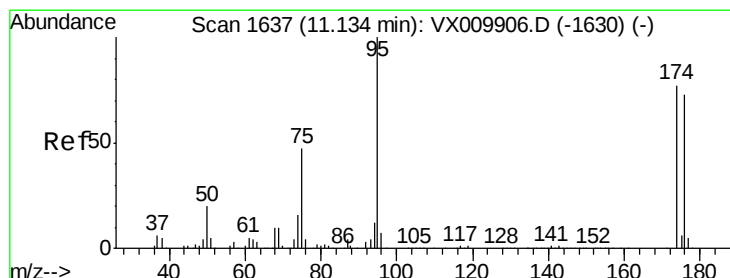
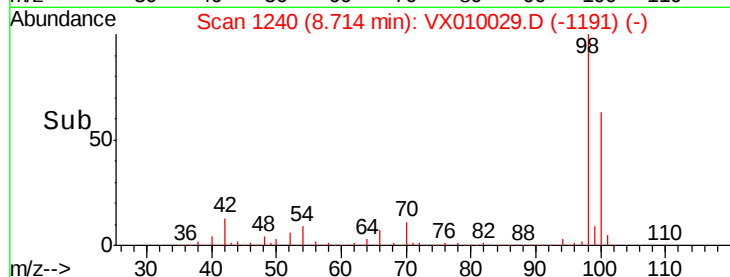
8.60

8.70

8.80

8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 47.141 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010029.D

Acq: 03 Jun 2019 12:30

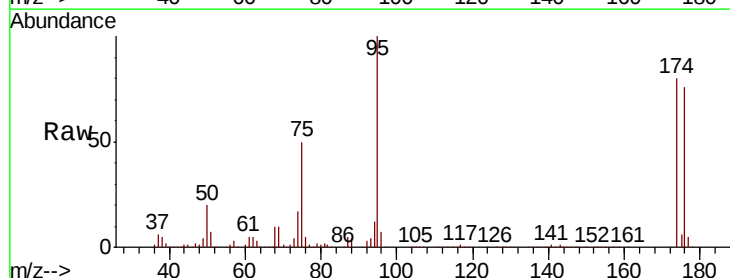
Tgt Ion: 95 Resp: 123134

Ion Ratio Lower Upper

95 100

174 83.1 0.0 160.4

176 80.2 0.0 154.6



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

100000

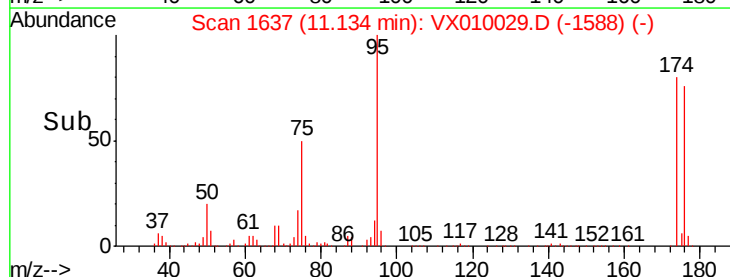
50000

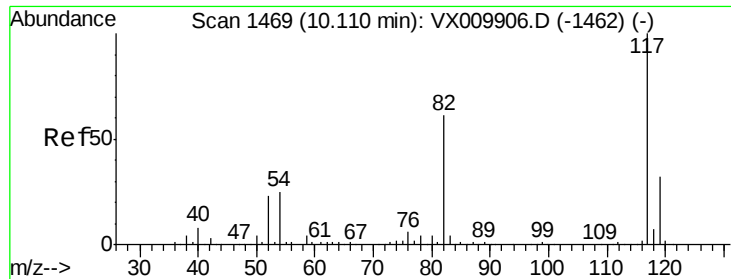
0

11.10

11.20

Time-->

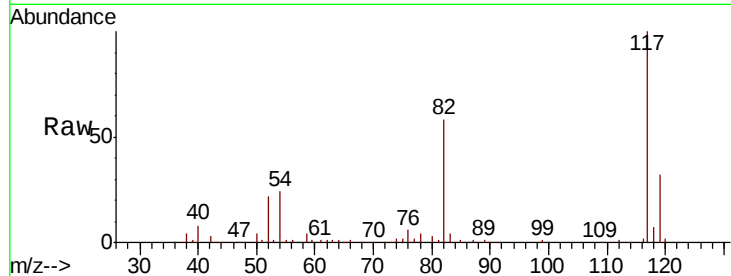




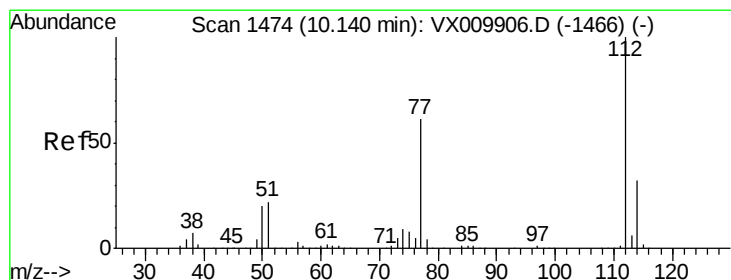
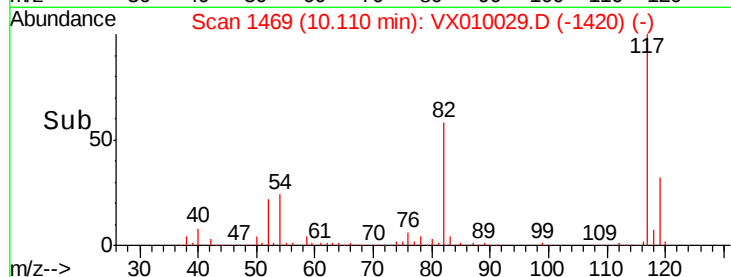
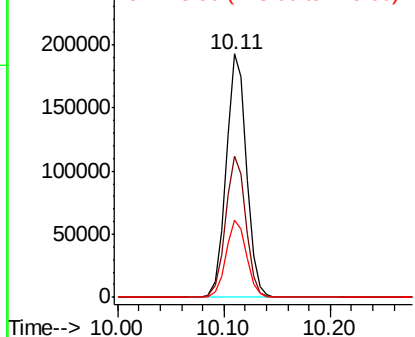
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 256545
Ion Ratio Lower Upper
117 100
82 57.8 49.2 73.8
119 32.0 25.2 37.8

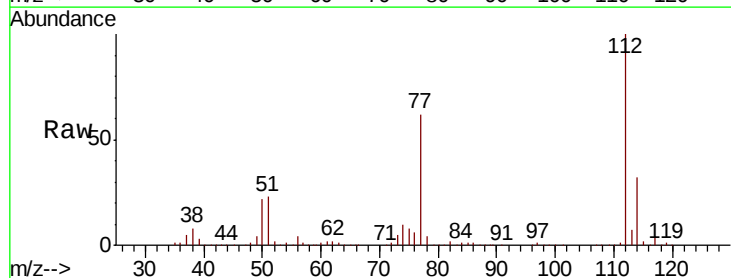


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

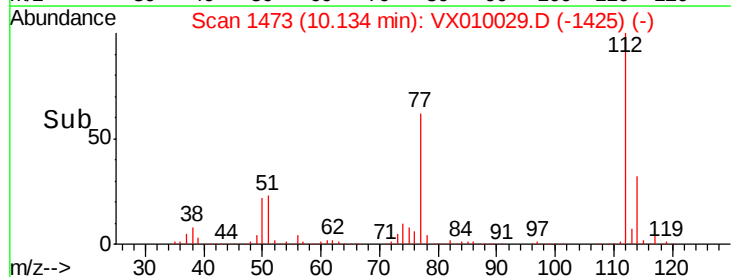
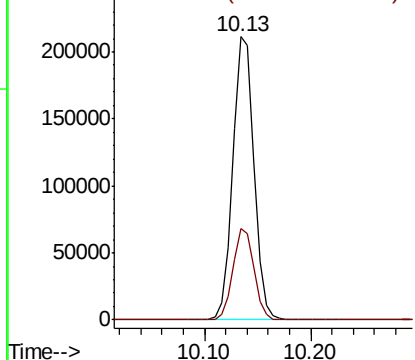


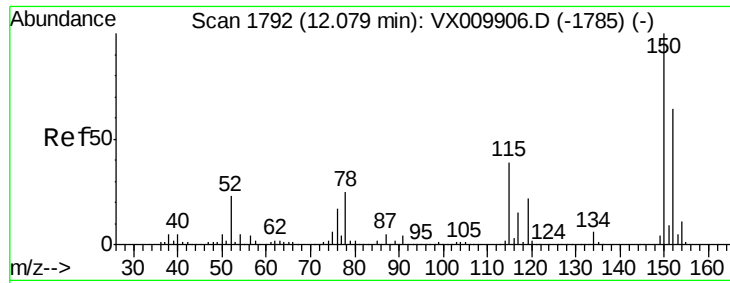
#65
Chlorobenzene
Concen: 54.983 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Tgt Ion:112 Resp: 295303
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



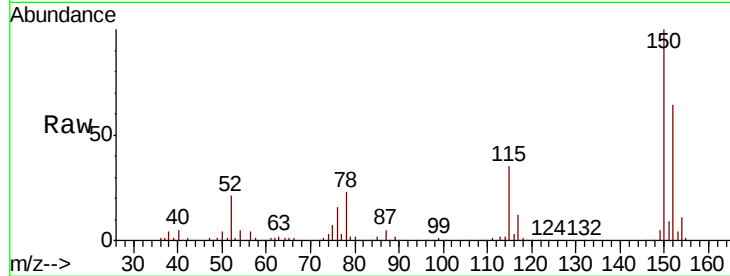


#72

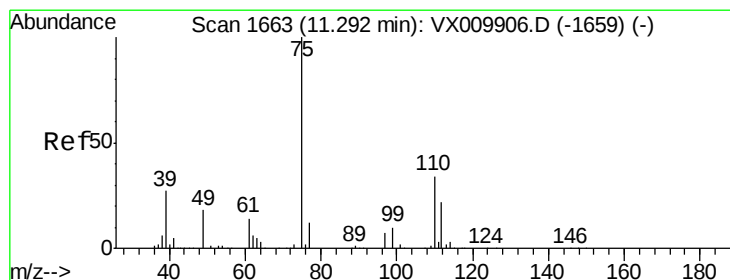
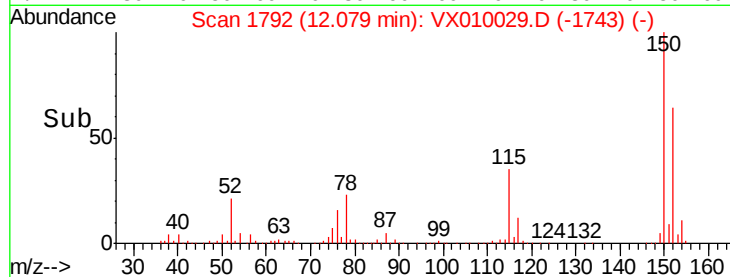
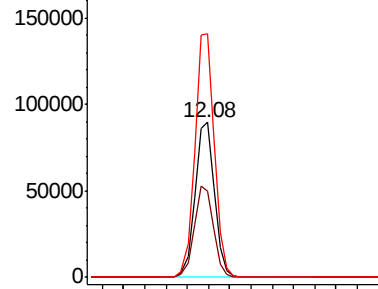
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 113796
Ion Ratio Lower Upper
152 100
115 58.6 41.4 124.2
150 157.7 0.0 345.2



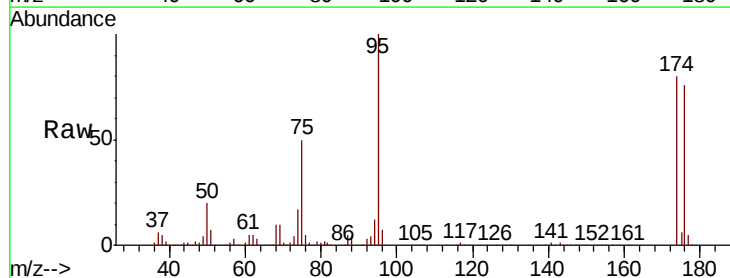
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



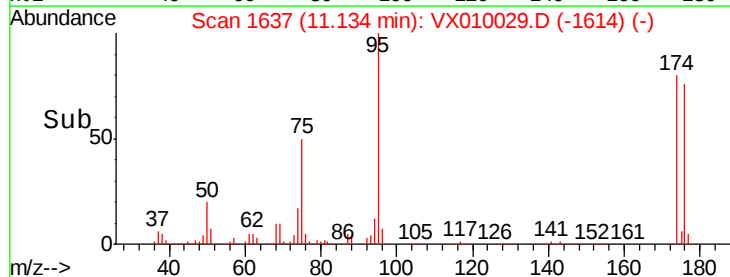
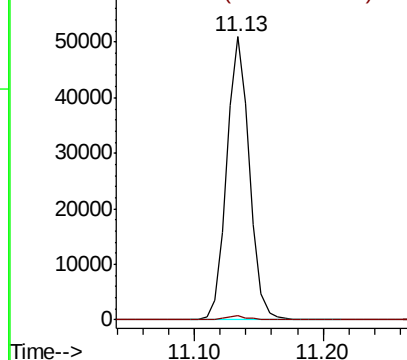
#76

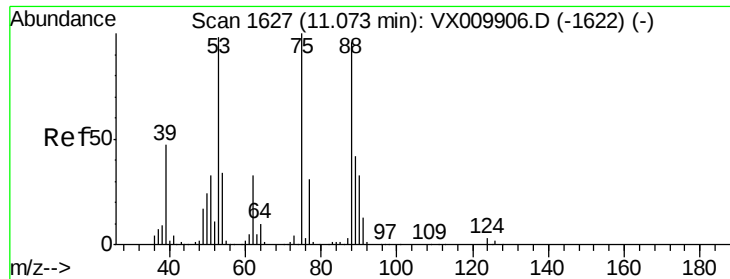
1,2,3-Trichloropropane
Concen: 23.278 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Tgt Ion: 75 Resp: 63344
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

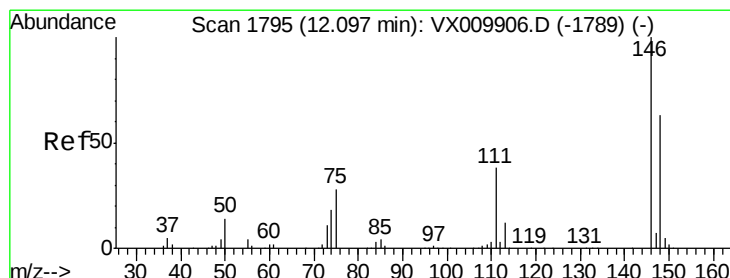
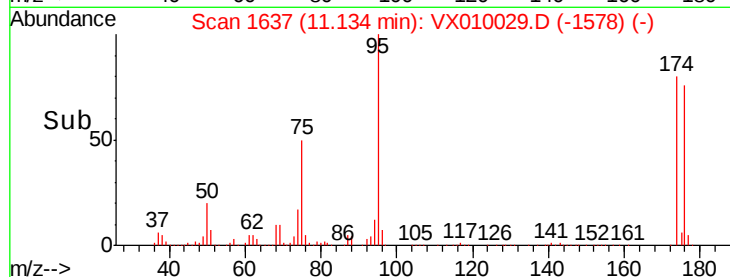
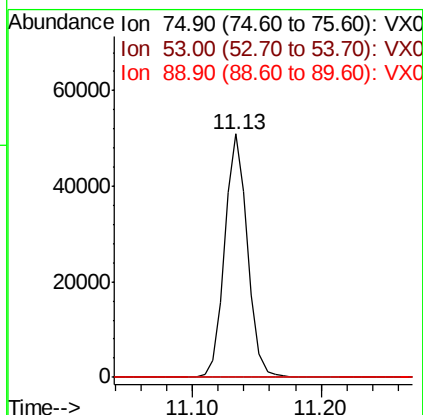
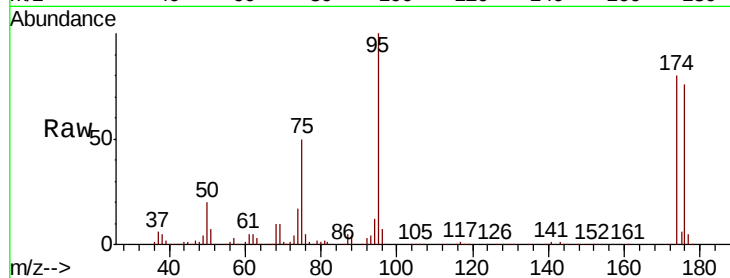




#81
trans-1,4-Dichloro-2-butene
Concen: 57.593 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

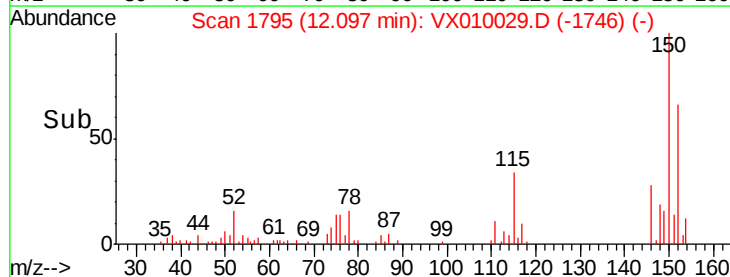
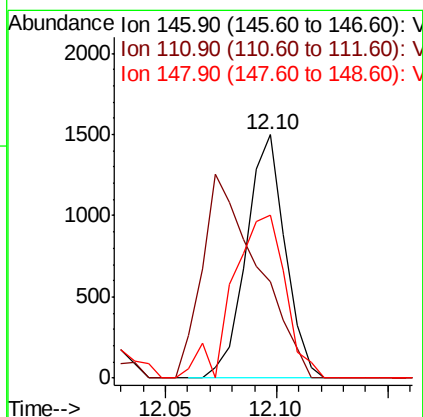
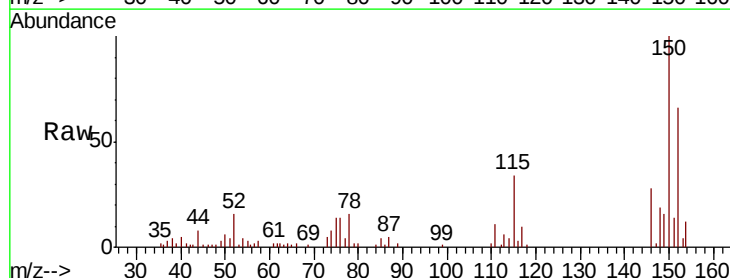
Instrument :
MSVOA_X
ClientSampleId :

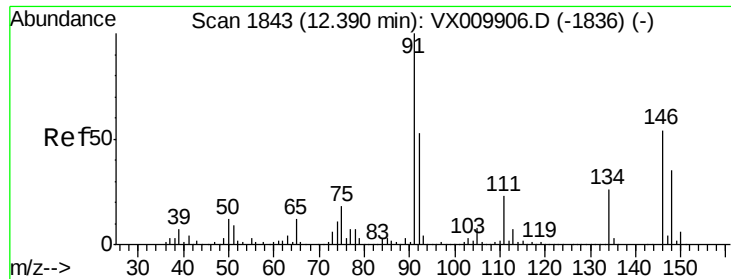
Tot Ion: 75 Resp: 63344
Ion Ratio Lower Upper
75 100
53 0.1 79.8 119.6#
89 0.0 34.2 51.4#



#88
1,4-Dichlorobenzene
Concen: 0.470 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX010029.D
Acq: 03 Jun 2019 12:30

Tgt Ion: 146 Resp: 1827
Ion Ratio Lower Upper
146 100
111 0.0 20.0 59.9#
148 90.4 32.3 96.9





#91
 1,2-Dichlorobenzene
 Concen: 0.330 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010029.D
 Acq: 03 Jun 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.1	63.1
148	60.0	32.3	96.8

