

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009965.D
 Acq On : 30 May 2019 17:01
 Operator : JC/SP
 Sample : K3106-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 71-70

Quant Time: May 31 05:35:33 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	169687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272789	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105854	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	116618	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
35) Dibromofluoromethane	5.50	113	84434	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	8.71	98	347031	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	114266	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	

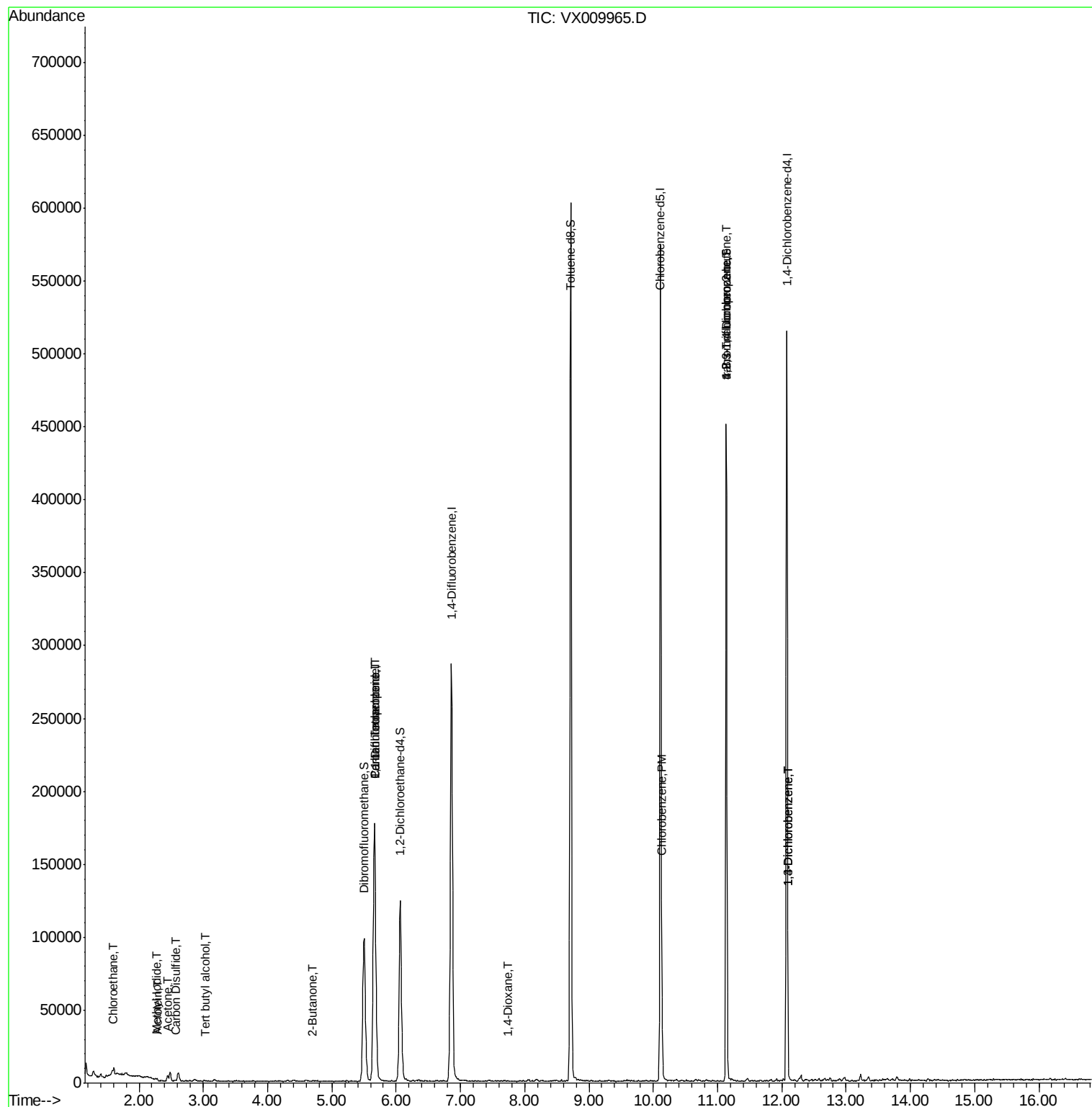
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	2906	1.879	ug/l #	43
10) Methyl Iodide	2.27	142	19	4.665	ug/l #	42
11) Tert butyl alcohol	3.03	59	215	0.364	ug/l #	76
13) Acrolein	2.29	56	87	21.287	ug/l	94
16) Acetone	2.44	43	3813	2.753	ug/l	92
17) Carbon Disulfide	2.57	76	823	0.542	ug/l #	68
25) 2-Butanone	4.69	43	851	0.394	ug/l #	54
36) 1,1-Dichloropropene	5.66	75	13504	4.879	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16093	6.729	ug/l #	16
49) 1,4-Dioxane	7.74	88	39	0.681	ug/l #	1
65) Chlorobenzene	10.13	112	11874	2.305	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	59622	23.554	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59622	58.276	ug/l #	10
87) 1,3-Dichlorobenzene	12.10	146	1094	0.309	ug/l #	1
88) 1,4-Dichlorobenzene	12.10	146	1094	0.303	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009965.D

Acq: 30 May 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

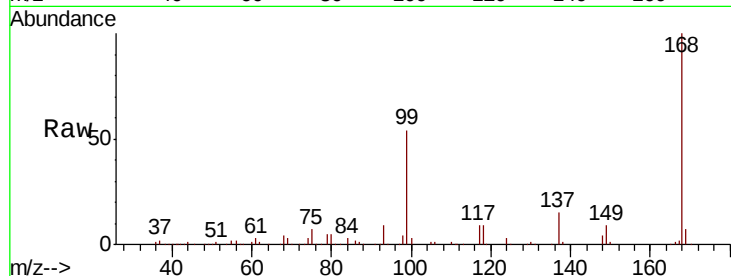
71-70

Tot Ion:168 Resp: 169687

Ion Ratio Lower Upper

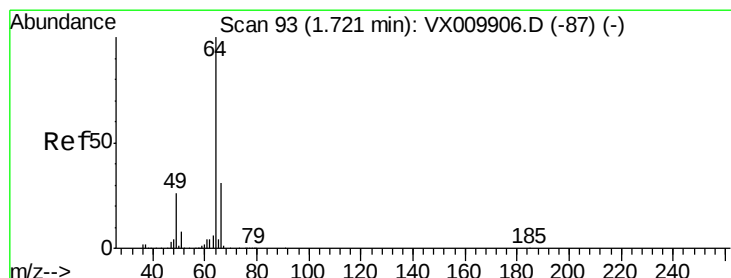
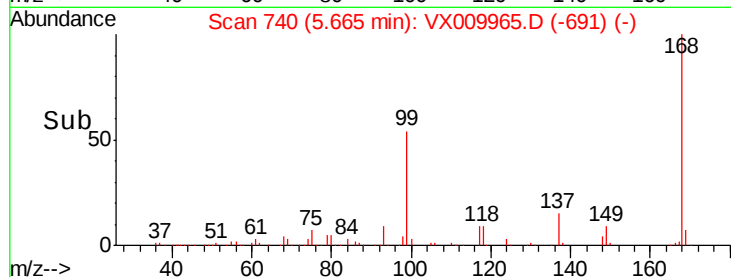
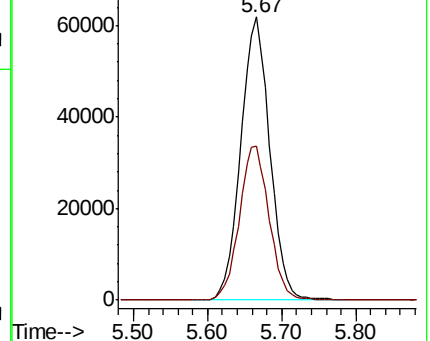
168 100

99 54.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 1.879 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX009965.D

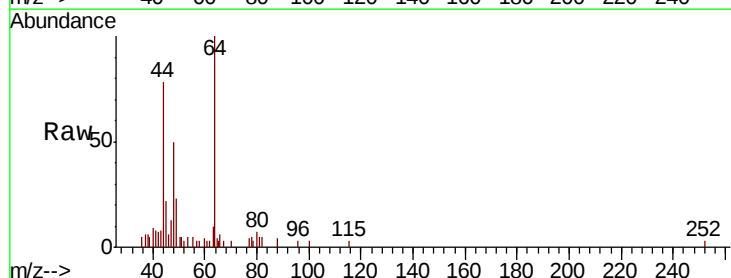
Acq: 30 May 2019 17:01

Tgt Ion: 64 Resp: 2906

Ion Ratio Lower Upper

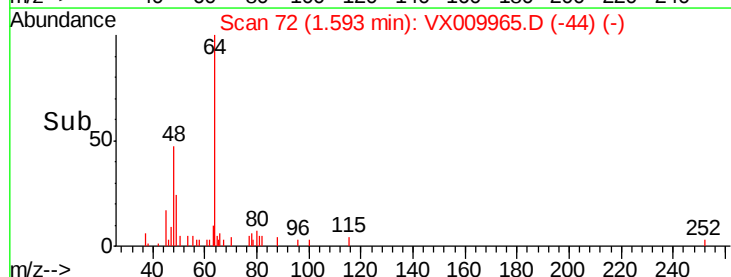
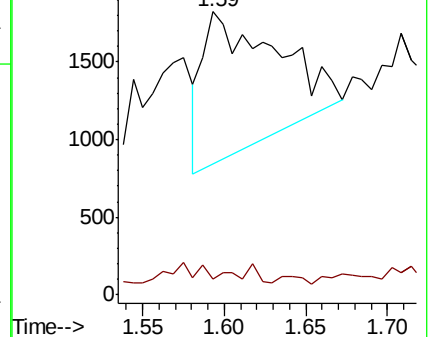
64 100

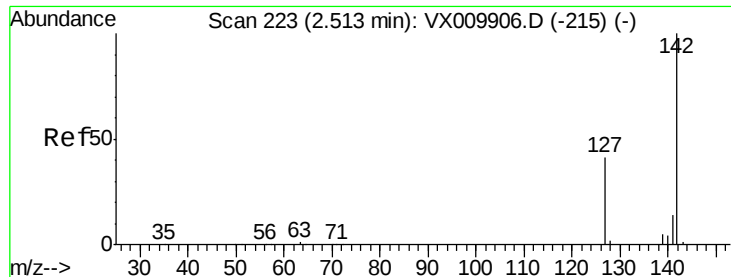
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

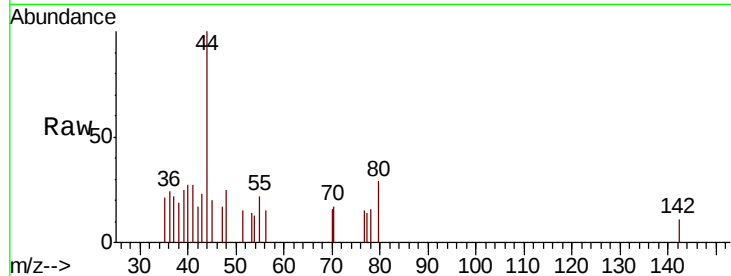




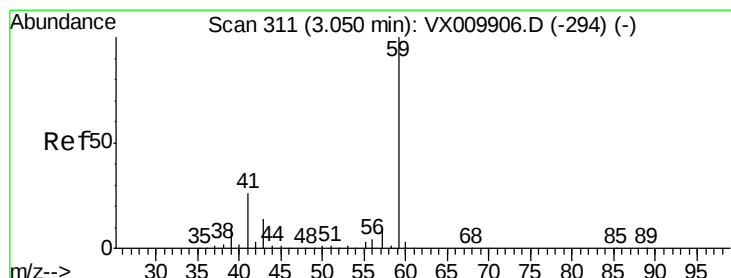
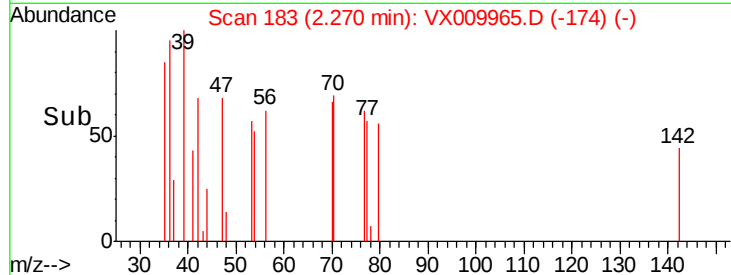
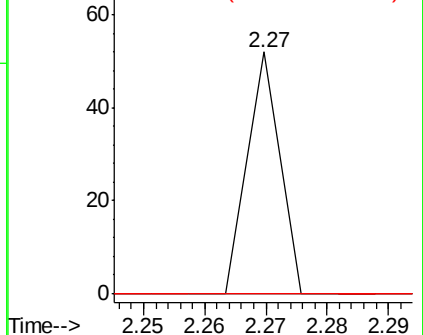
#10
Methyl Iodide
Concen: 4.665 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.24 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

Instrument :
MSVOA_X
ClientSampled :
71-70

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 11.4 17.0#

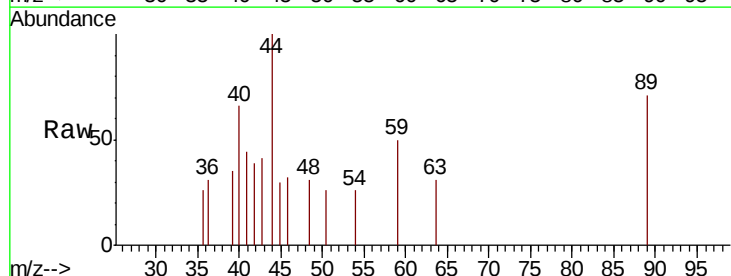


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

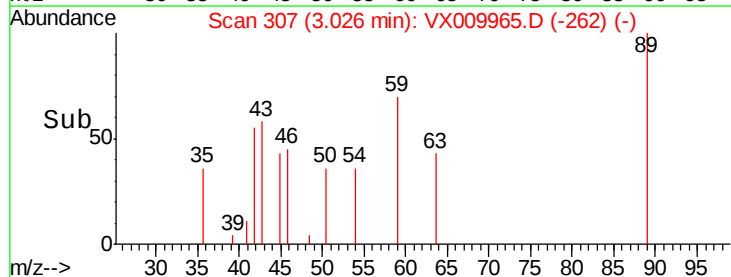
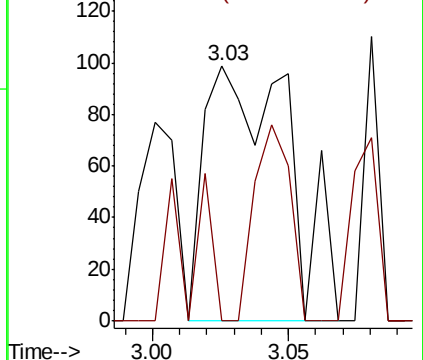


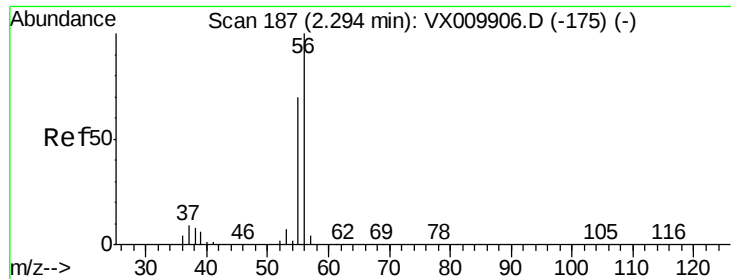
#11
Tert butyl alcohol
Concen: 0.364 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

Tgt Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 19.1 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: 21.287 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009965.D

Acq: 30 May 2019 17:01

Instrument :

MSVOA_X

ClientSampled :

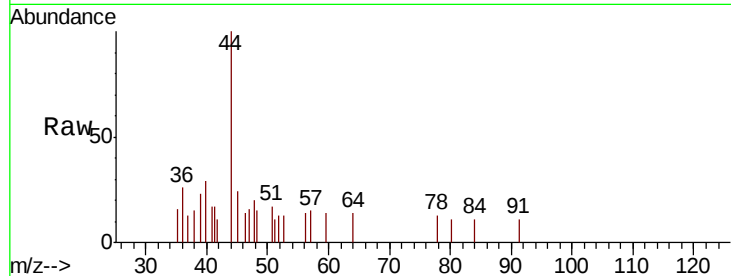
71-70

Tot Ion: 56 Resp: 87

Ion Ratio Lower Upper

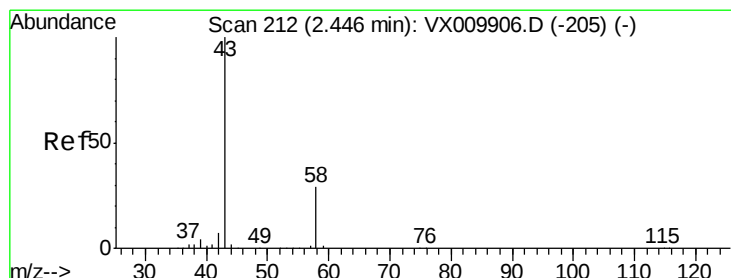
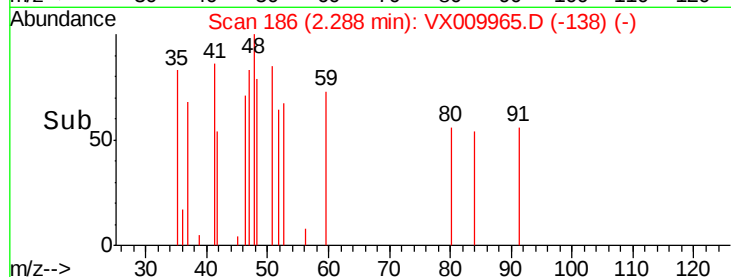
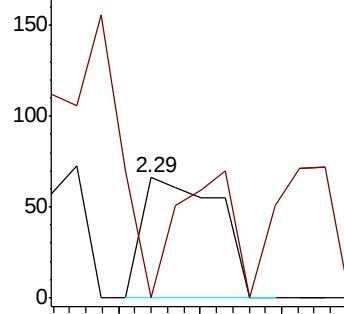
56 100

55 75.9 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: 2.753 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009965.D

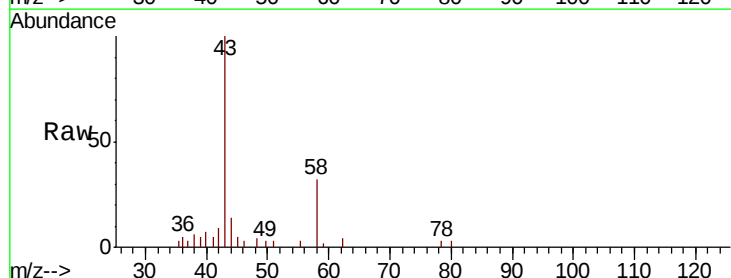
Acq: 30 May 2019 17:01

Tgt Ion: 43 Resp: 3813

Ion Ratio Lower Upper

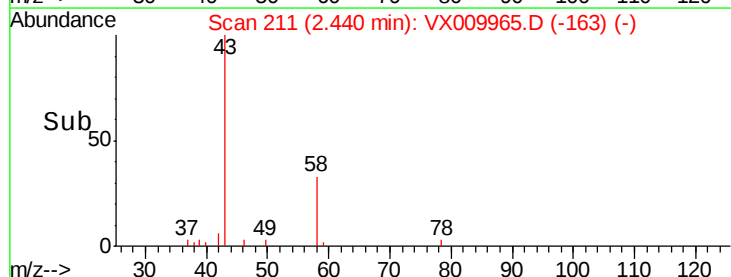
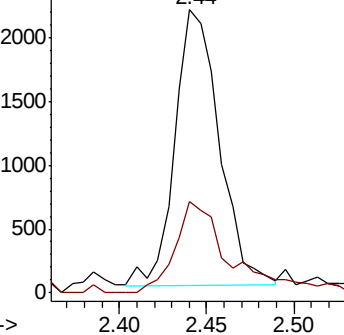
43 100

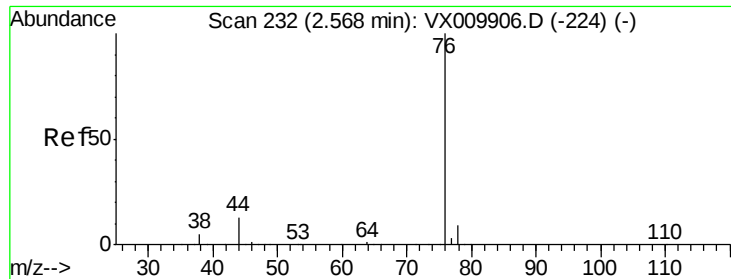
58 33.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.542 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009965.D

Acq: 30 May 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

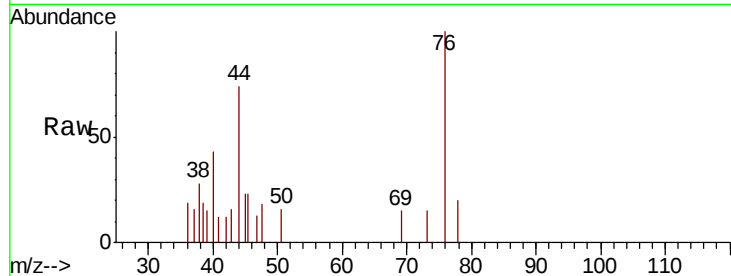
71-70

Tot Ion: 76 Resp: 823

Ion Ratio Lower Upper

76 100

78 20.4 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

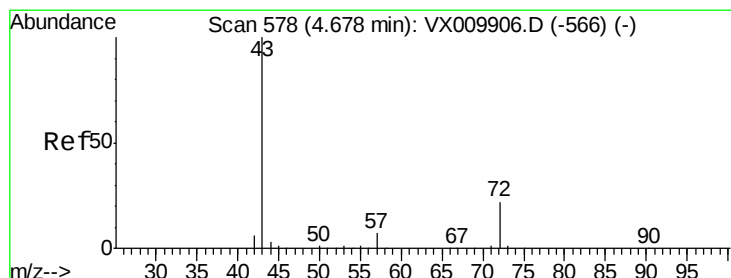
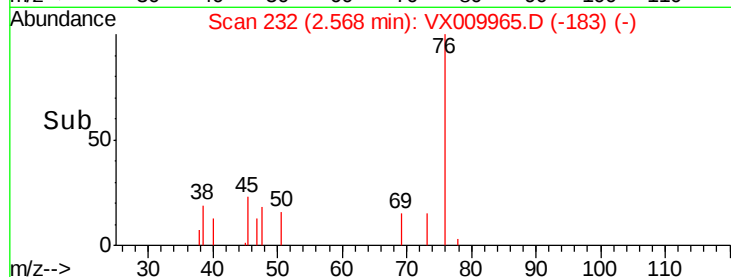
300

200

100

0

Time-->



#25

2-Butanone

Concen: 0.394 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX009965.D

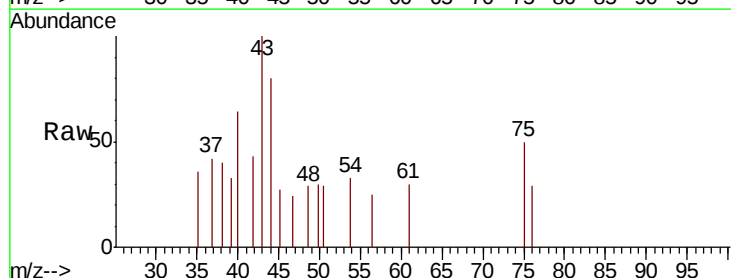
Acq: 30 May 2019 17:01

Tgt Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

200

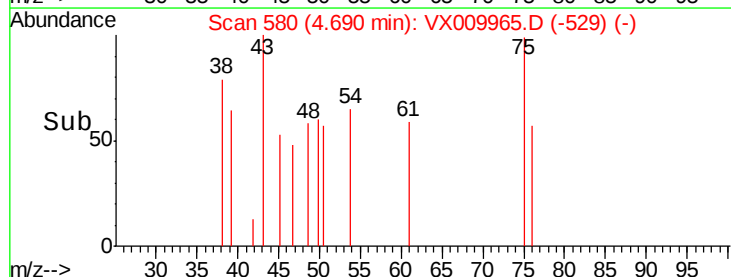
150

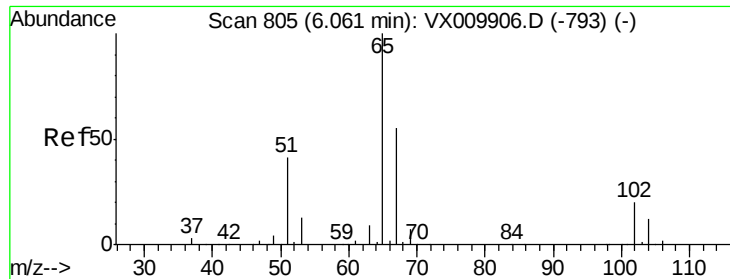
100

50

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.652 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009965.D

Acq: 30 May 2019 17:01

Instrument :

MSVOA_X

ClientSampled :

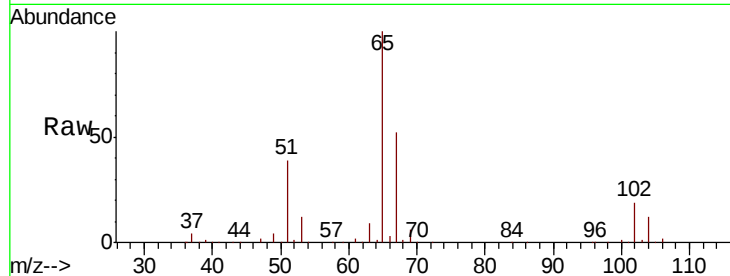
71-70

Tot Ion: 65 Resp: 116618

Ion Ratio Lower Upper

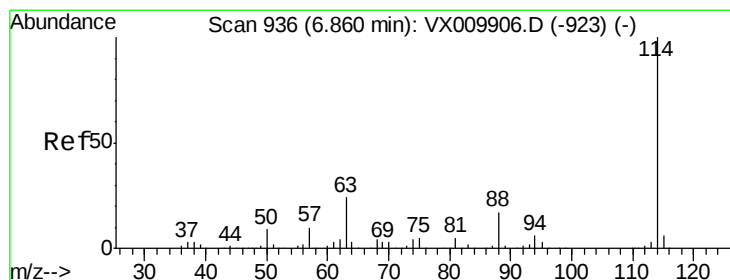
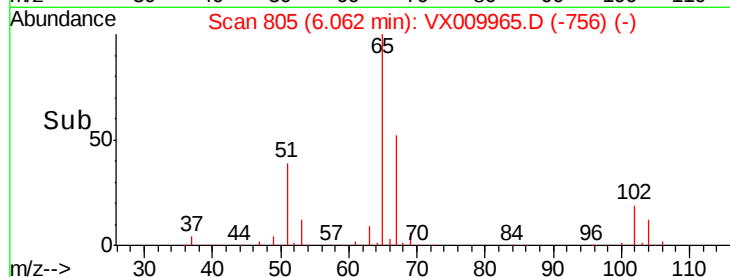
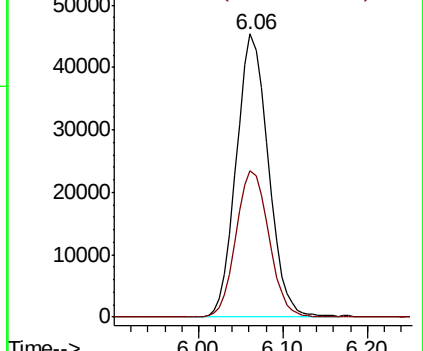
65 100

67 53.5 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: VX009965.D

Acq: 30 May 2019 17:01

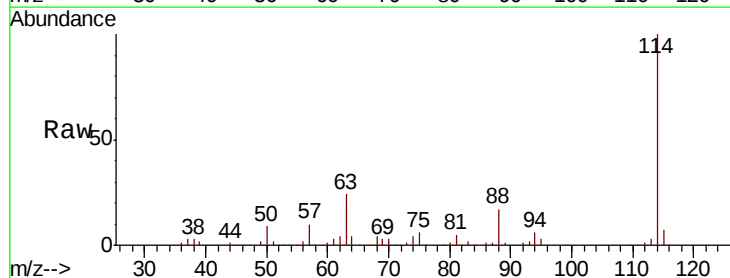
Tgt Ion: 114 Resp: 272789

Ion Ratio Lower Upper

114 100

63 24.0 0.0 47.4

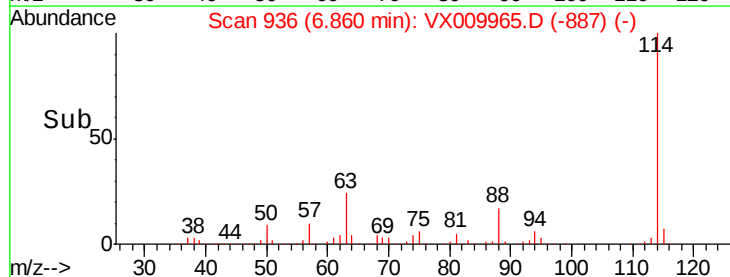
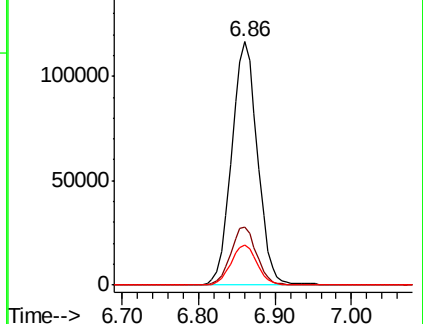
88 16.6 0.0 33.0

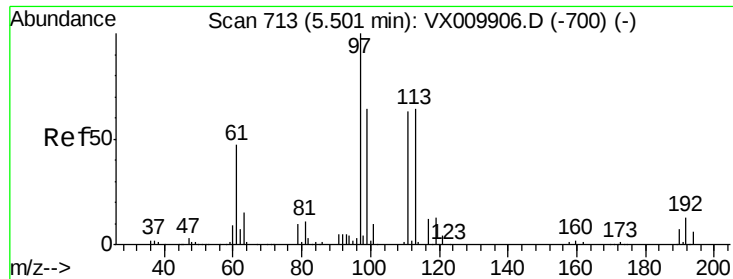


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

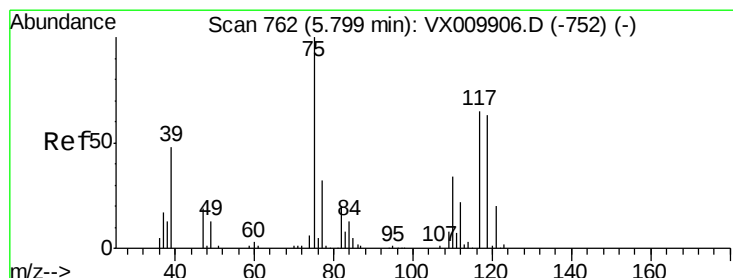
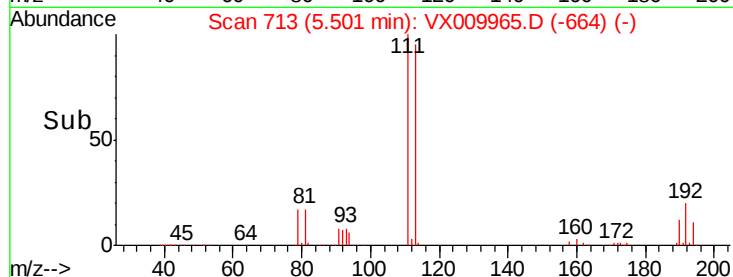
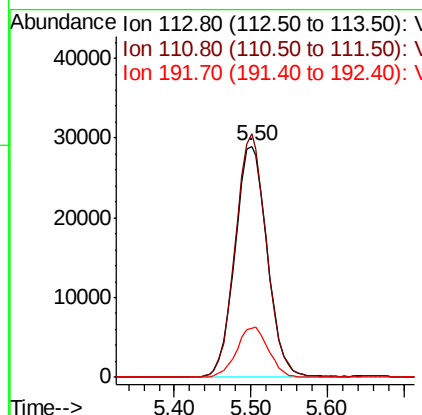
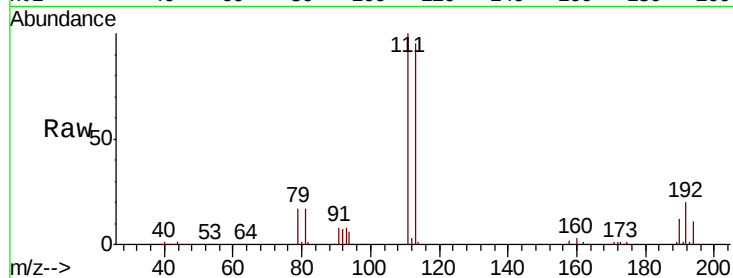




#35
 Dibromofluoromethane
 Concen: 49.232 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX009965.D
 Acq: 30 May 2019 17:01

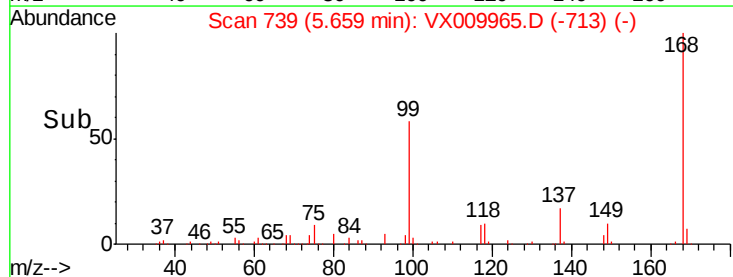
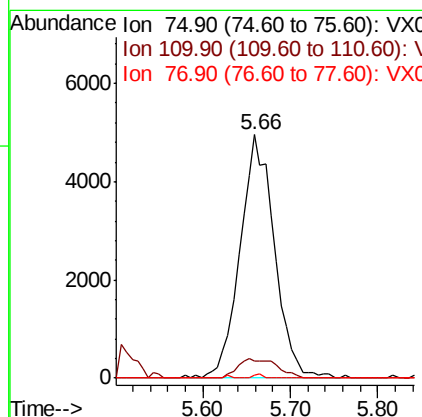
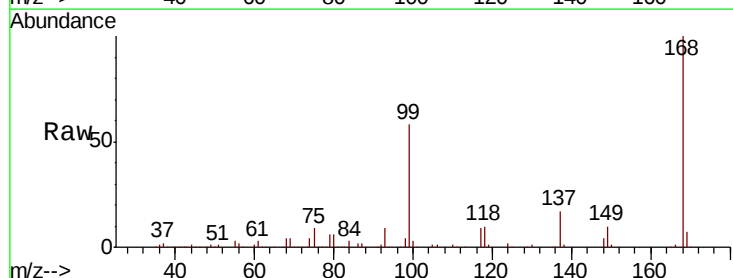
Instrument :
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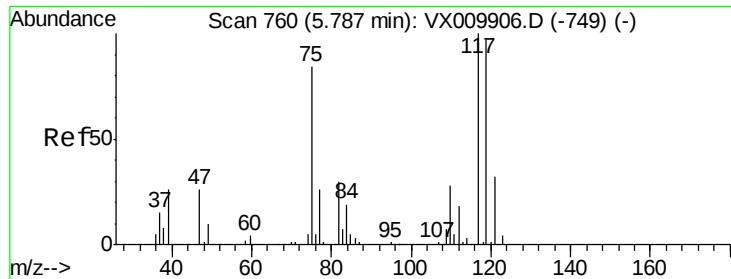
Tot Ion:113 Resp: 84434
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.2
 192 21.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.879 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009965.D
 Acq: 30 May 2019 17:01

Tgt Ion: 75 Resp: 13504
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.7 50.1#
 77 0.4 25.0 37.4#

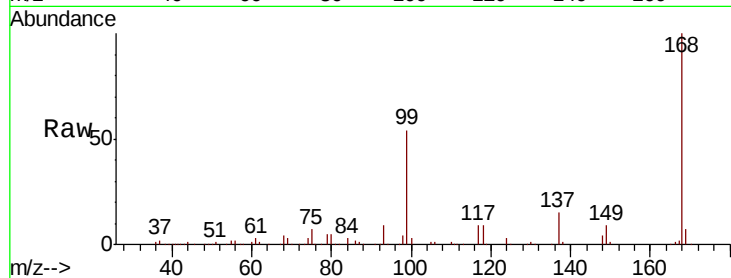




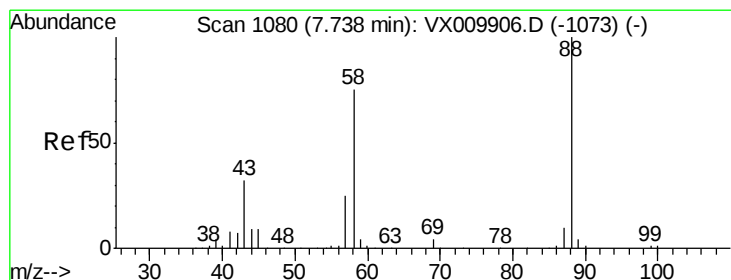
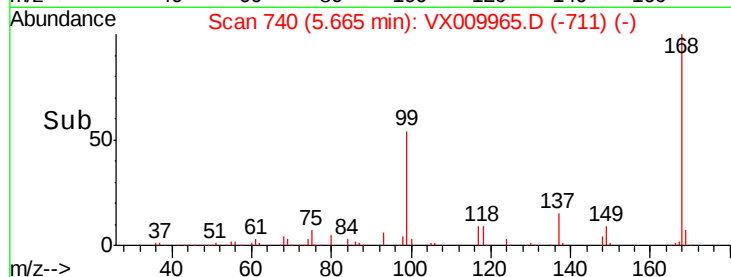
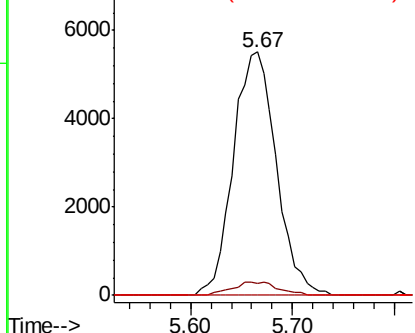
#38
Carbon Tetrachloride
Concen: 6.729 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

Instrument :
MSVOA_X
ClientSampled :
71-70

Tot Ion:117 Resp: 16093
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 25.4 38.0#

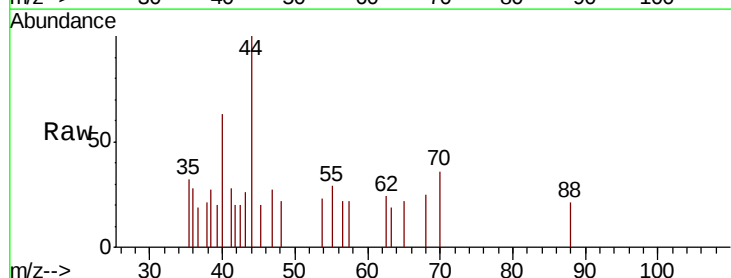


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

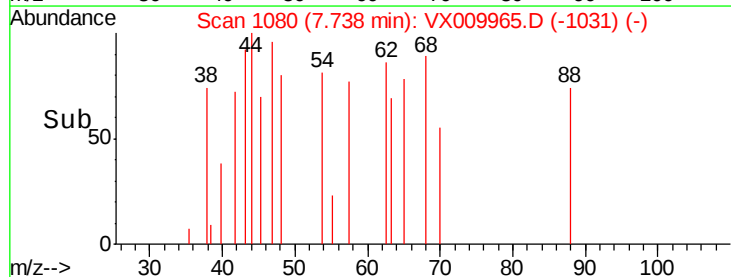
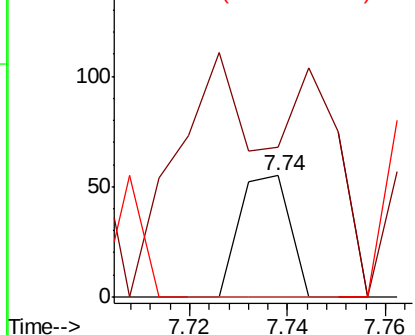


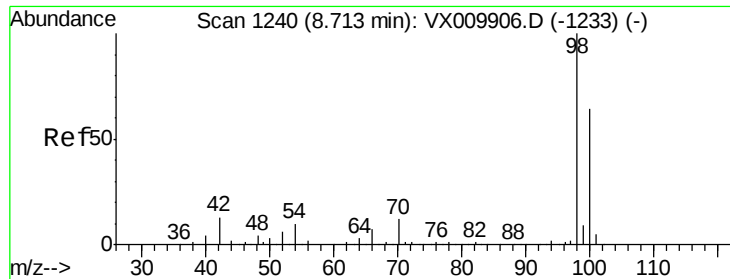
#49
1,4-Dioxane
Concen: 0.681 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 348.7 30.2 45.4#
58 0.0 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

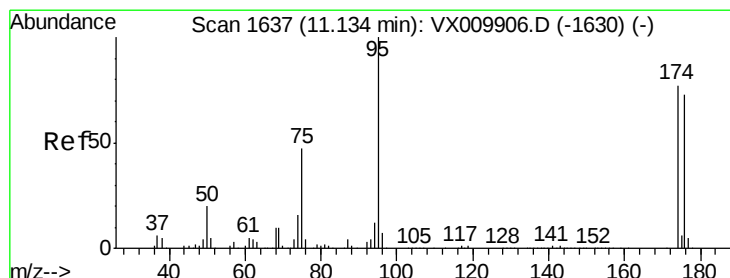
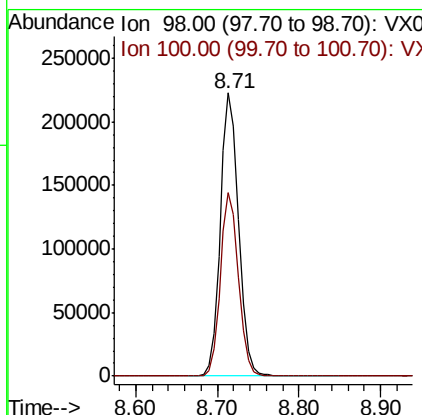
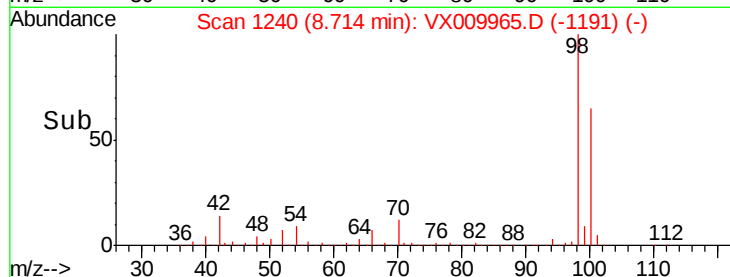
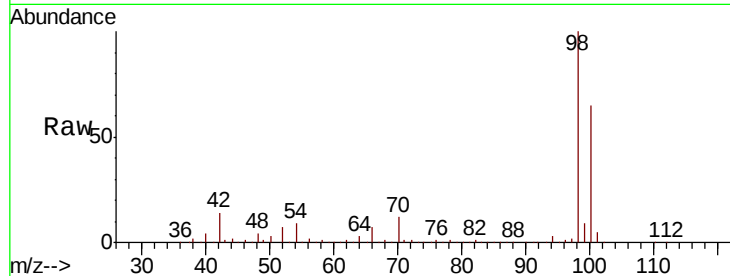




#50
Toluene-d8
Concen: 49.830 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

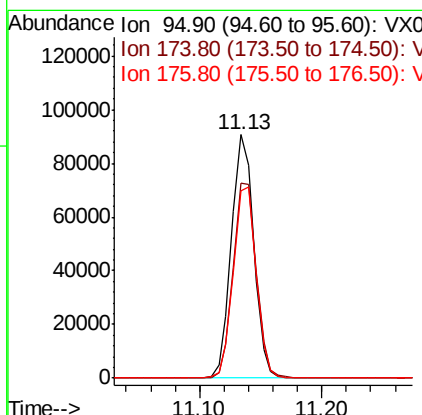
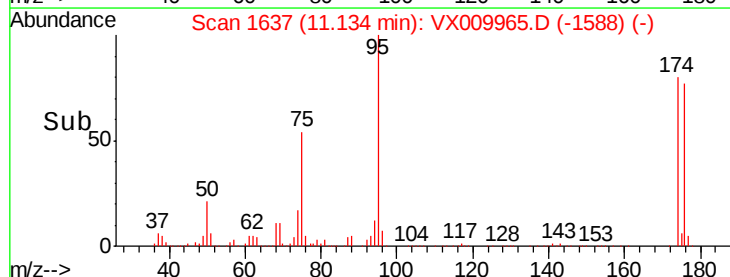
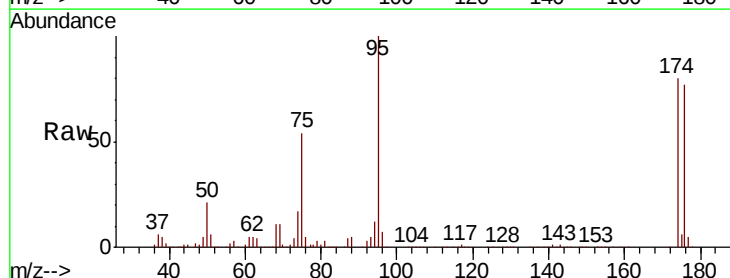
Instrument :
MSVOA_X
ClientSampleId :
71-70

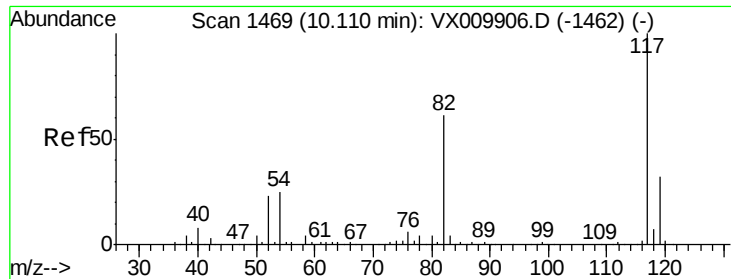
Tot Ion: 98 Resp: 347031
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 45.679 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

Tgt Ion: 95 Resp: 114266
Ion Ratio Lower Upper
95 100
174 82.9 0.0 160.4
176 80.5 0.0 154.6

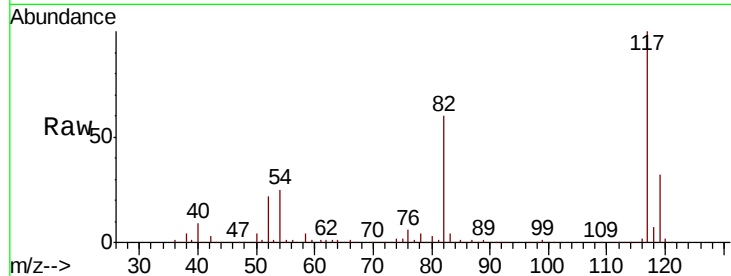




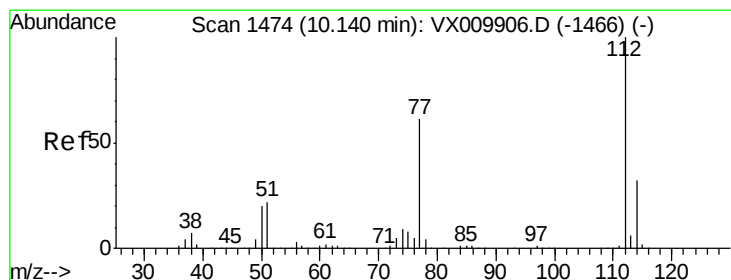
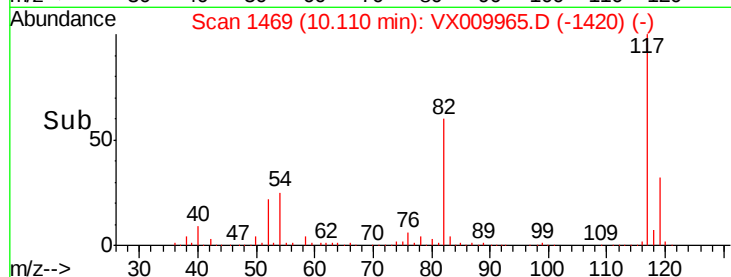
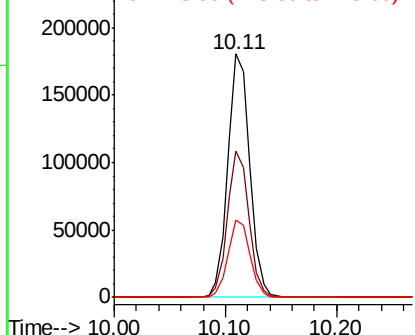
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

Instrument :
MSVOA_X
ClientSampled :
71-70

Tot Ion:117 Resp: 246072
Ion Ratio Lower Upper
117 100
82 60.2 49.2 73.8
119 31.8 25.2 37.8

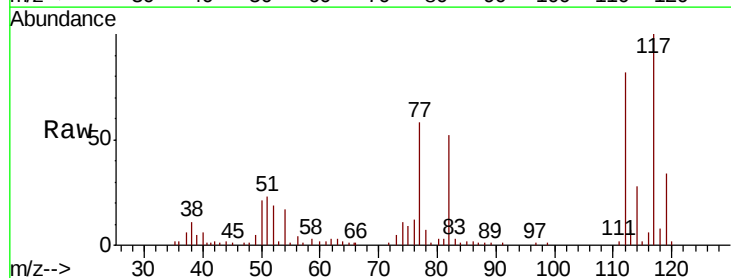


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

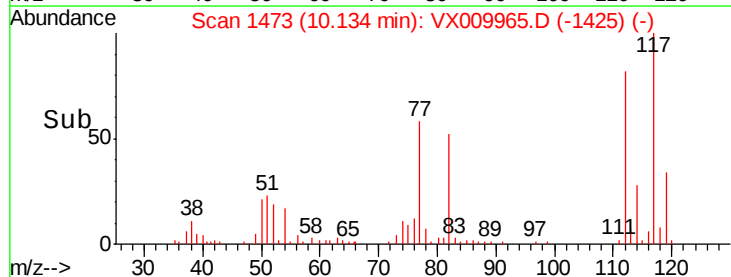
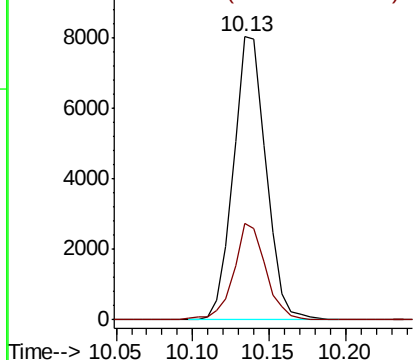


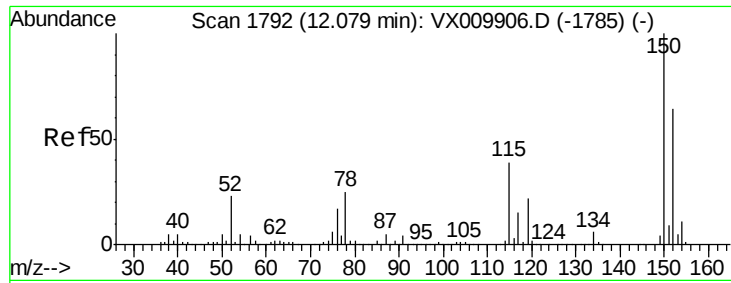
#65
Chlorobenzene
Concen: 2.305 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

Tgt Ion:112 Resp: 11874
Ion Ratio Lower Upper
112 100
114 34.0 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: VX009965.D

Acq: 30 May 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

71-70

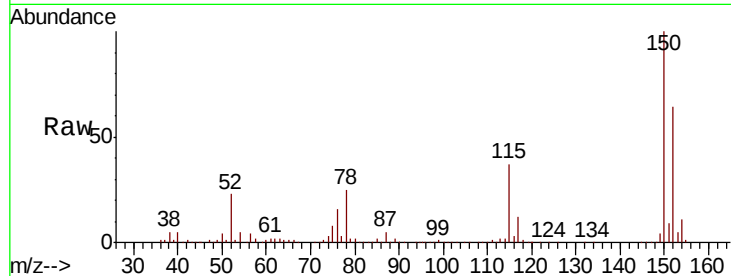
Tot Ion:152 Resp: 105854

Ion Ratio Lower Upper

152 100

115 58.6 41.4 124.2

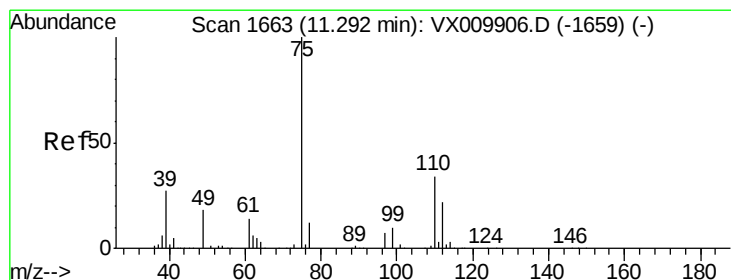
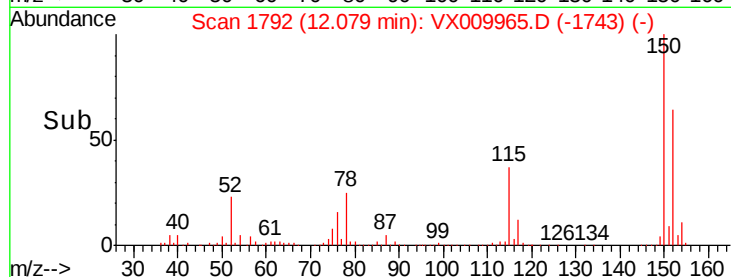
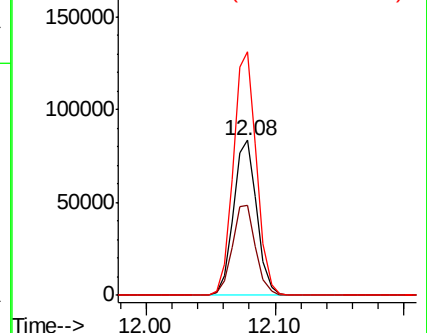
150 156.9 0.0 345.2



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: 23.554 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009965.D

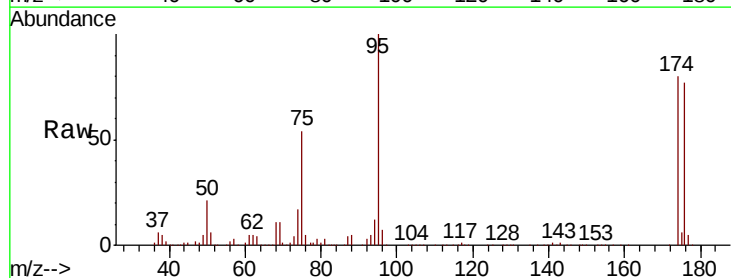
Acq: 30 May 2019 17:01

Tgt Ion: 75 Resp: 59622

Ion Ratio Lower Upper

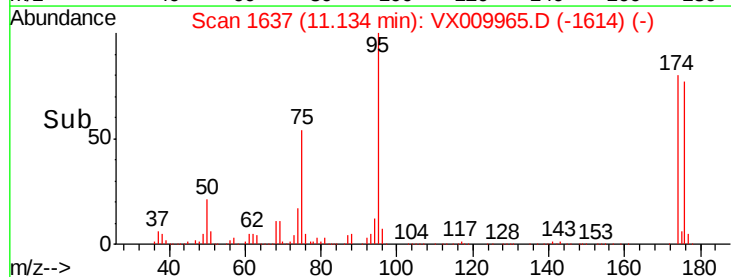
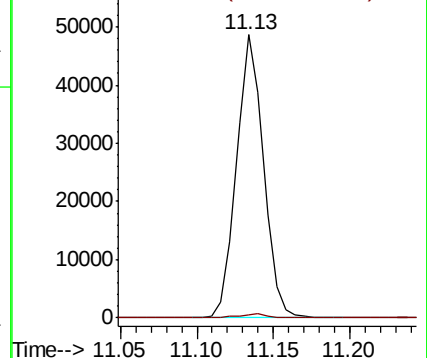
75 100

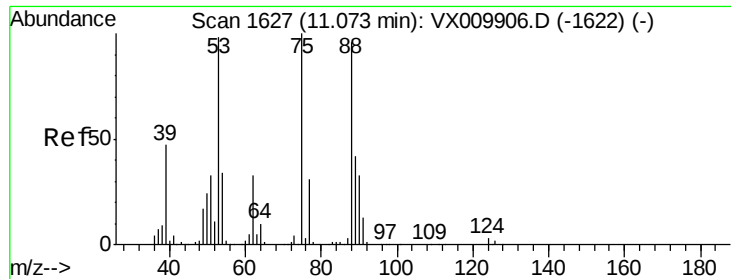
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

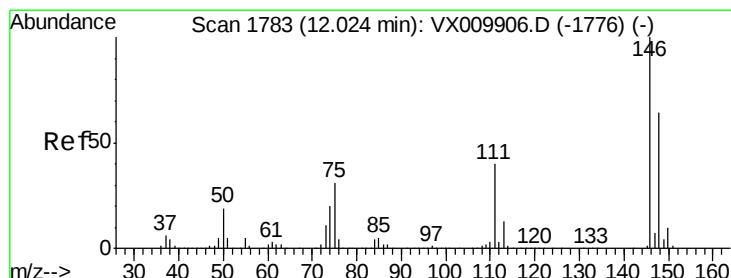
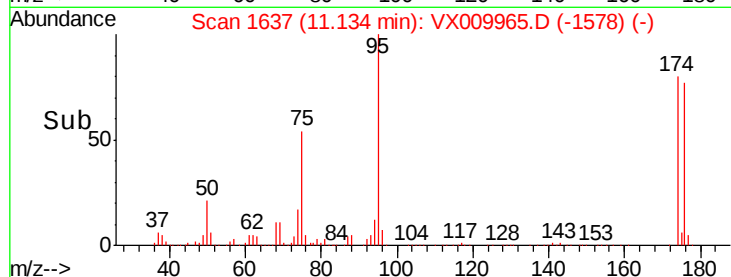
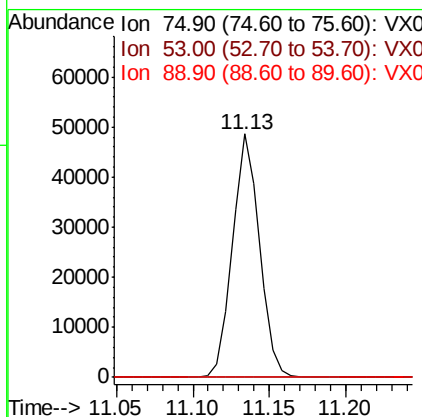
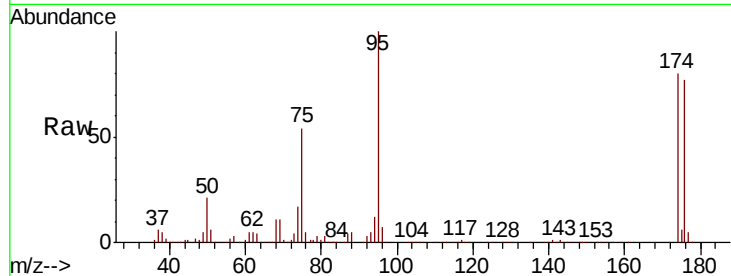




#81
trans-1,4-Dichloro-2-butene
Concen: 58.276 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

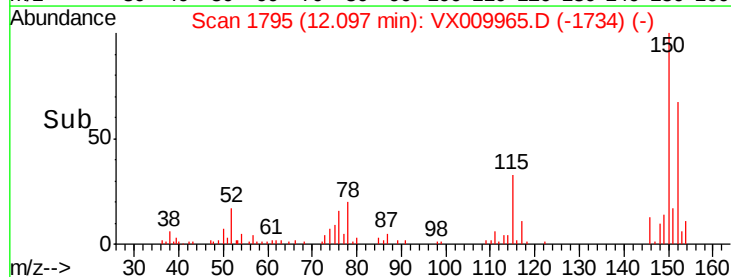
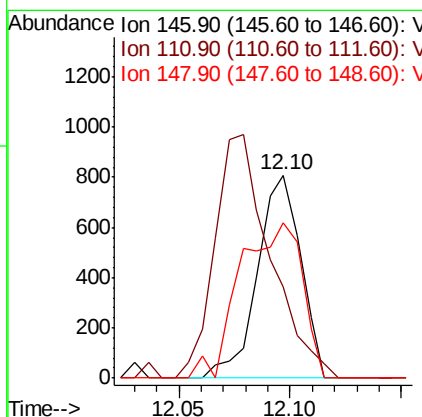
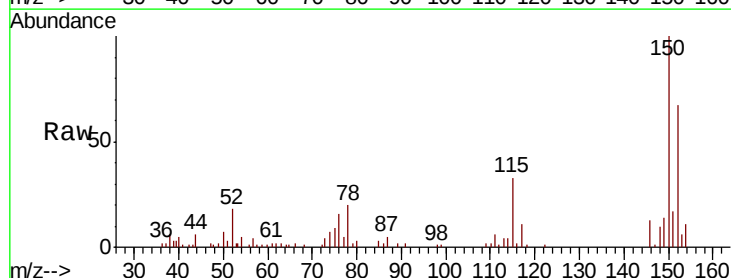
Instrument :
MSVOA_X
ClientSampleId :
71-70

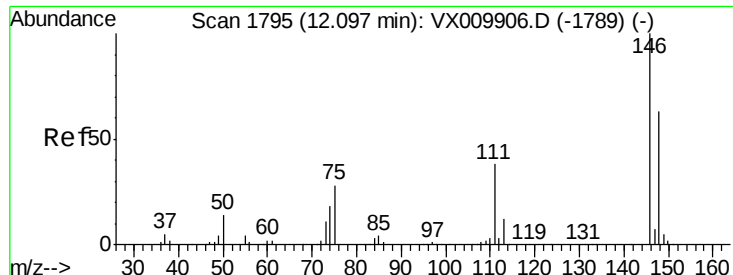
Tot Ion: 75 Resp: 59622
Ion Ratio Lower Upper
75 100
53 0.2 79.8 119.6#
89 0.0 34.2 51.4#



#87
1,3-Dichlorobenzene
Concen: 0.309 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.07 min
Lab File: VX009965.D
Acq: 30 May 2019 17:01

Tgt Ion: 146 Resp: 1094
Ion Ratio Lower Upper
146 100
111 153.3 20.1 60.2#
148 110.0 31.9 95.5#





#88

1,4-Dichlorobenzene

Concen: 0.303 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009965.D

Acq: 30 May 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

71-70

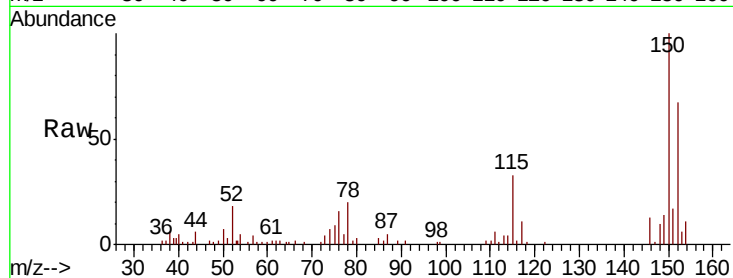
Tot Ion:146 Resp: 1094

Ion Ratio Lower Upper

146 100

111 153.3 20.0 59.9#

148 110.0 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

