

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052919\
 Data File : VX009944.D
 Acq On : 29 May 2019 16:50
 Operator : JC/SP
 Sample : K3088-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-3

Quant Time: May 30 01:16:11 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	178452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110412	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	121281	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	5.50	113	89054	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.71	98	362535	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.13	95	122102	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	

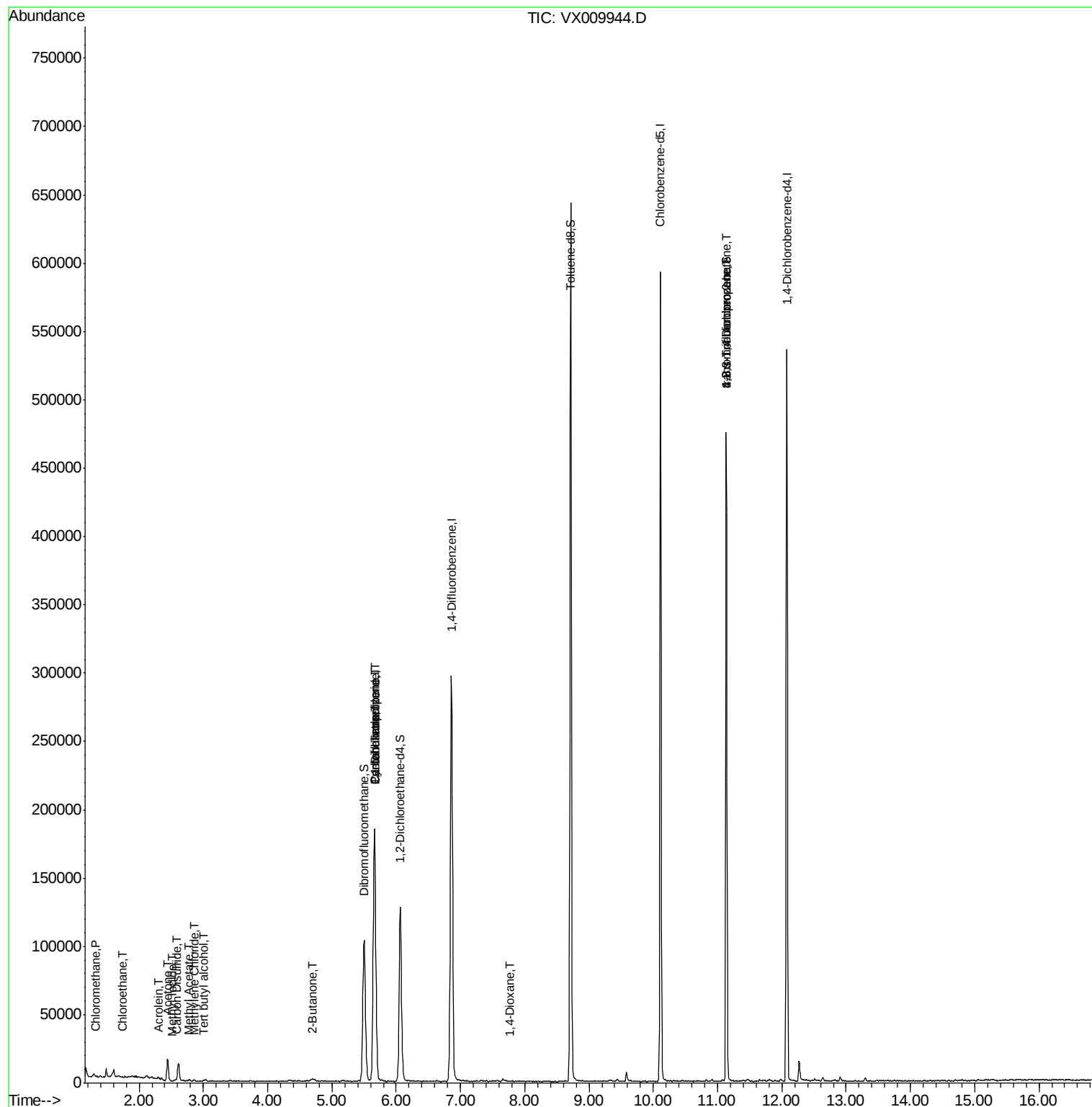
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	590	0.201	ug/l #	74
6) Chloroethane	1.75	64	1260	0.775	ug/l #	48
10) Methyl Iodide	2.52	142	40	4.673	ug/l #	42
11) Tert butyl alcohol	3.01	59	602	0.970	ug/l #	82
13) Acrolein	2.29	56	891	22.952	ug/l	98
16) Acetone	2.44	43	18083	12.416	ug/l	93
17) Carbon Disulfide	2.57	76	1666	0.687	ug/l	98
18) Methyl Acetate	2.78	43	1427	0.421	ug/l	94
20) Methylene Chloride	2.86	84	493	0.221	ug/l #	88
25) 2-Butanone	4.69	43	1738	0.766	ug/l	100
31) Cyclohexane	5.67	56	4081	1.064	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14210	4.921	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16774	6.722	ug/l #	15
49) 1,4-Dioxane	7.77	88	21	0.351	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63993	24.237	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63993	59.966	ug/l #	10

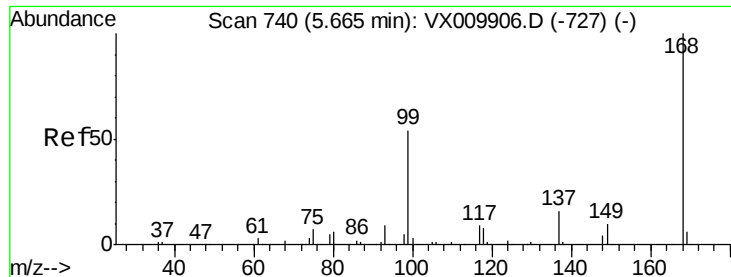
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009944.D

Acq: 29 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

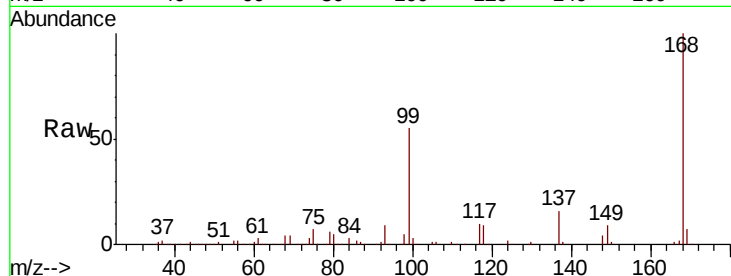
W-3

Tot Ion:168 Resp: 178452

Ion Ratio Lower Upper

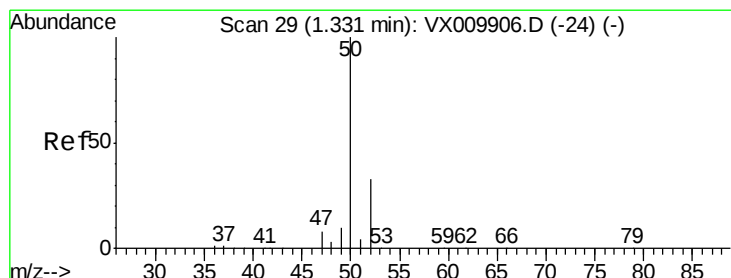
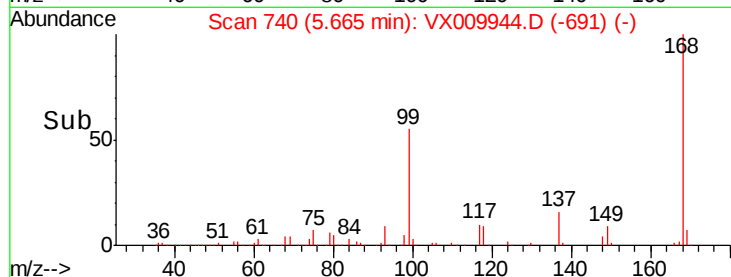
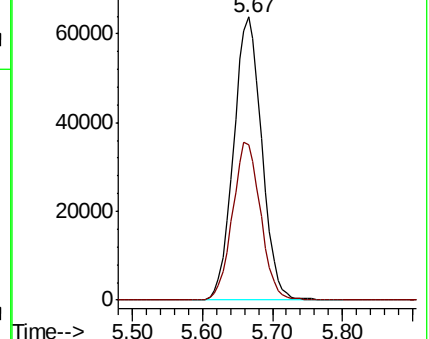
168 100

99 55.0 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: 0.201 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX009944.D

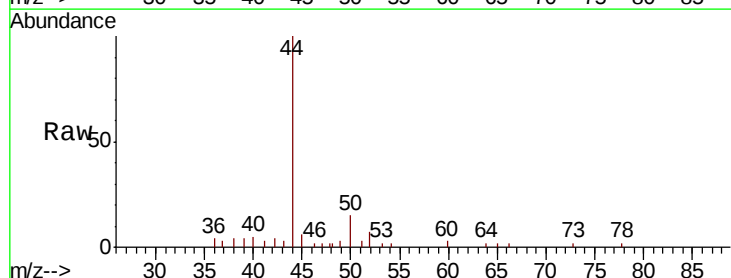
Acq: 29 May 2019 16:50

Tgt Ion: 50 Resp: 590

Ion Ratio Lower Upper

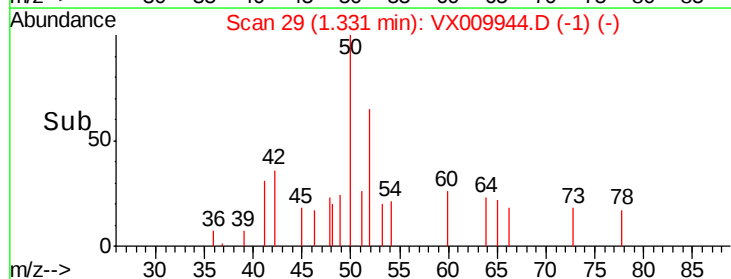
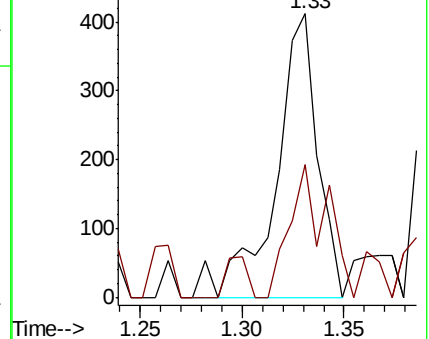
50 100

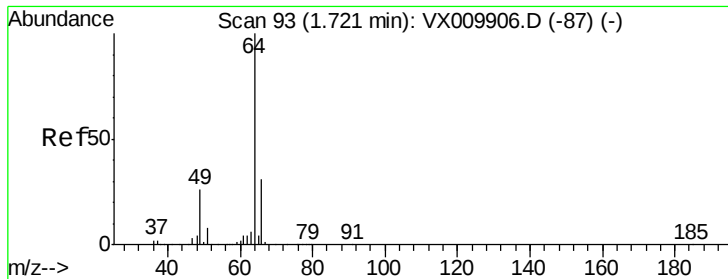
52 46.8 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.775 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX009944.D

Acq: 29 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

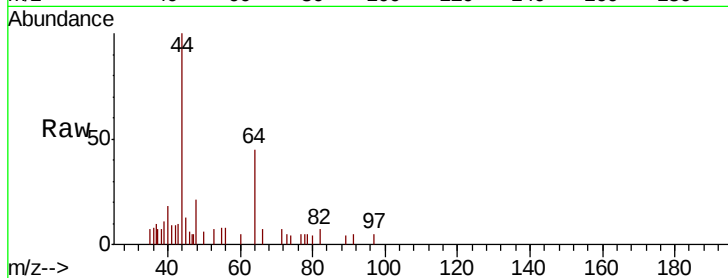
W-3

Tot Ion: 64 Resp: 1260

Ion Ratio Lower Upper

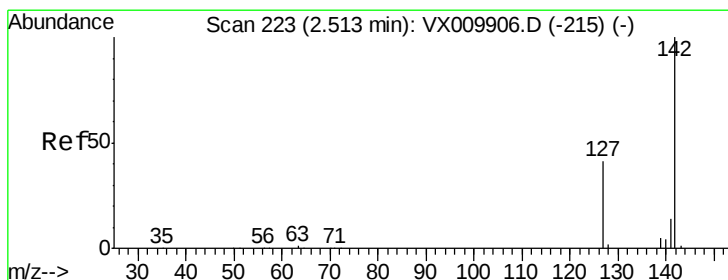
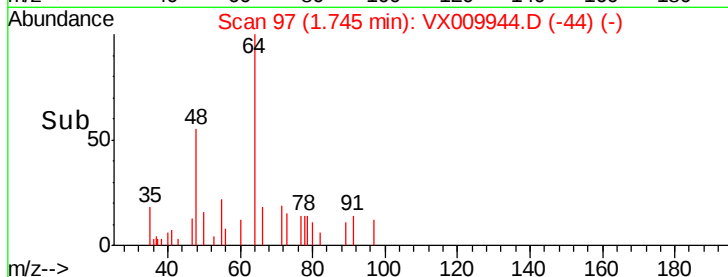
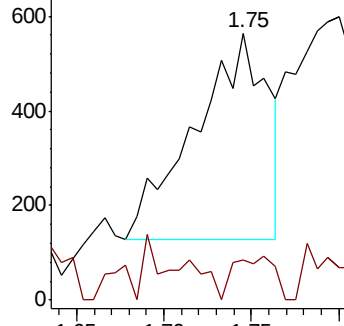
64 100

66 2.8 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: 4.673 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009944.D

Acq: 29 May 2019 16:50

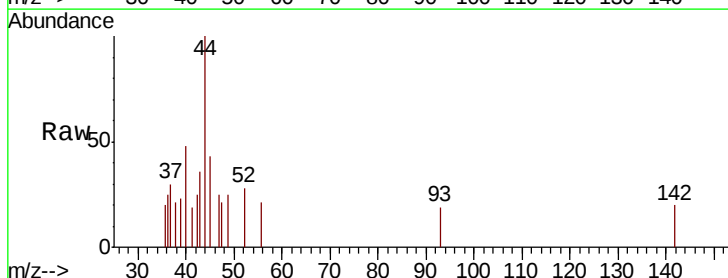
Tgt Ion: 142 Resp: 40

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

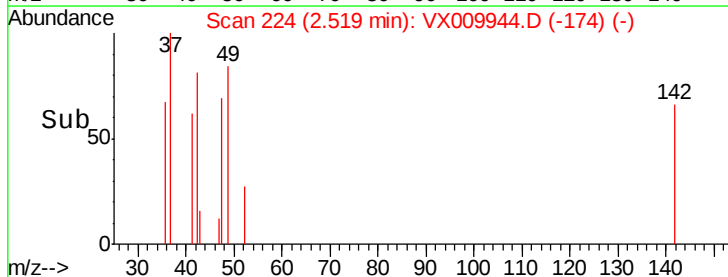
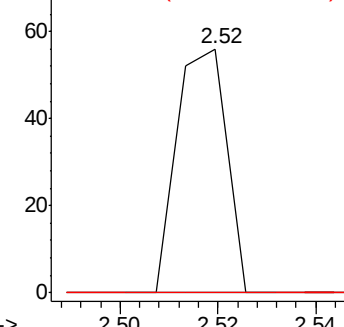
141 0.0 11.4 17.0#

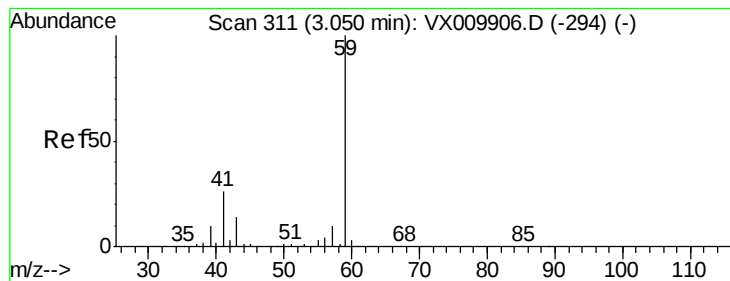


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



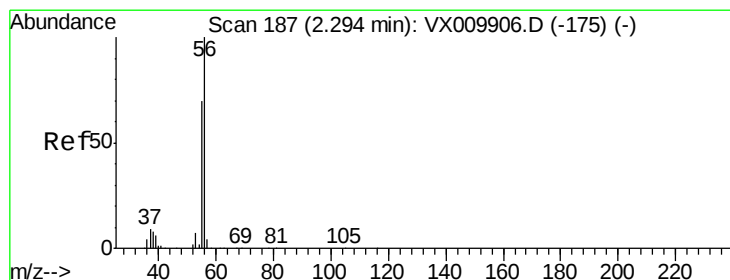
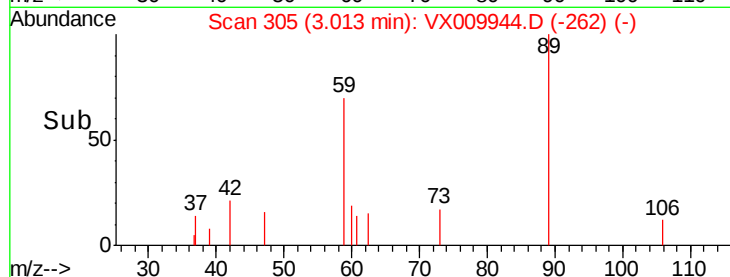
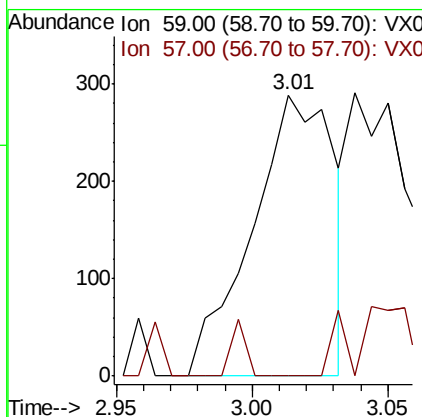
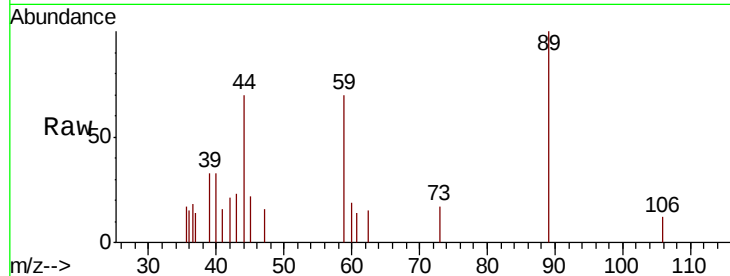


#11

Tert butyl alcohol
 Concen: 0.970 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX009944.D
 Acq: 29 May 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 W-3

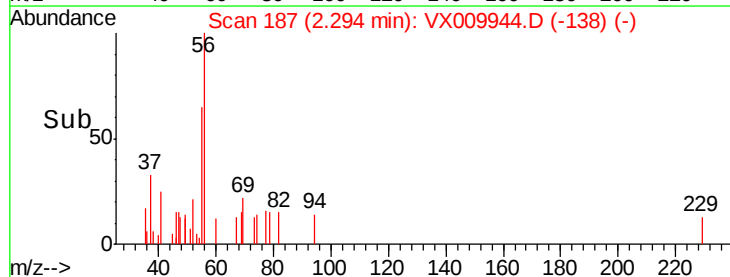
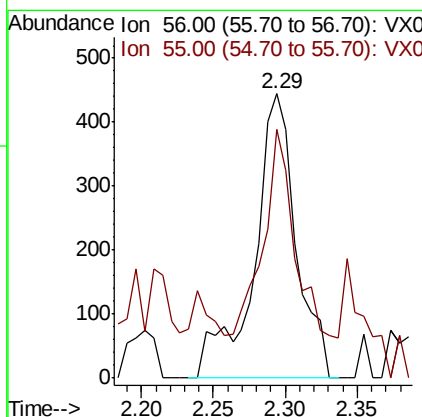
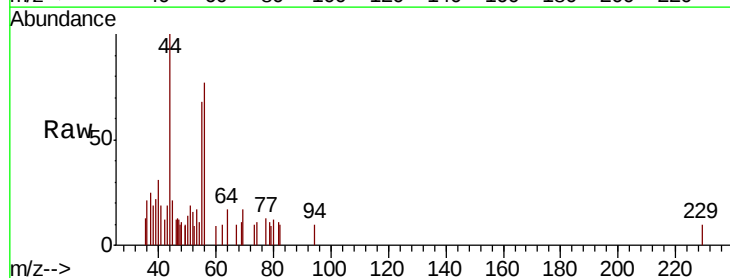
Tot Ion: 59 Resp: 602
 Ion Ratio Lower Upper
 59 100
 57 3.5 8.2 12.2#

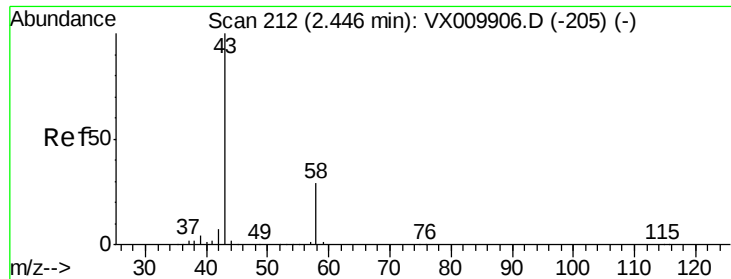


#13

Acrolein
 Concen: 22.952 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009944.D
 Acq: 29 May 2019 16:50

Tgt Ion: 56 Resp: 891
 Ion Ratio Lower Upper
 56 100
 55 72.8 57.0 85.4





#16

Acetone

Concen: 12.416 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009944.D

Acq: 29 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

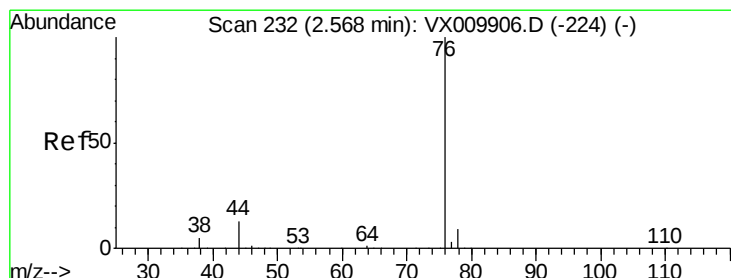
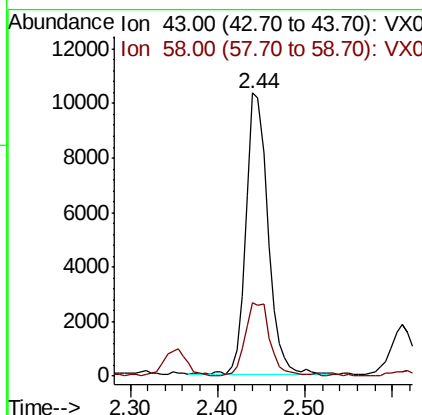
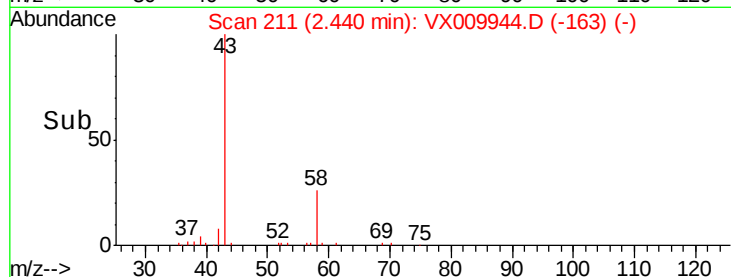
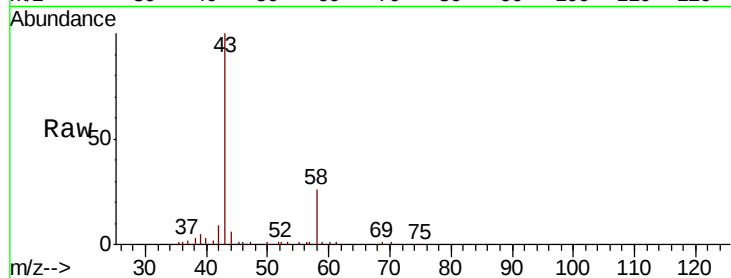
W-3

Tot Ion: 43 Resp: 18083

Ion Ratio Lower Upper

43 100

58 25.4 23.2 34.8



#17

Carbon Disulfide

Concen: 0.687 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009944.D

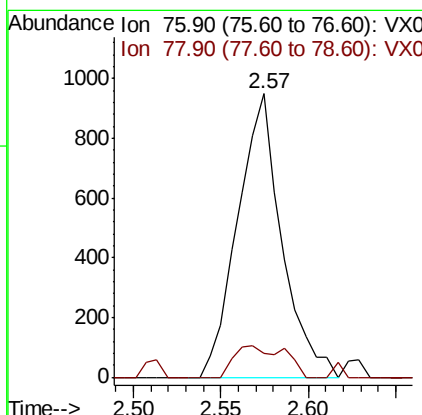
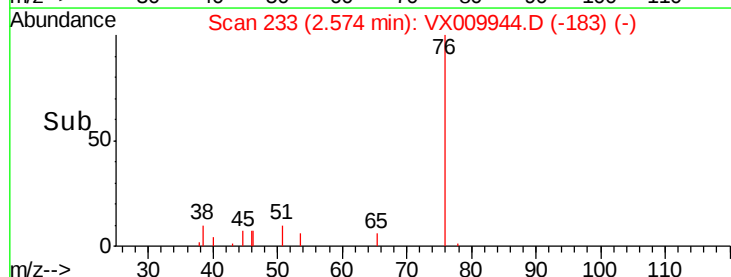
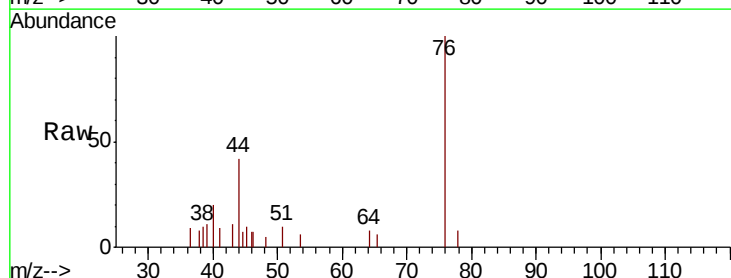
Acq: 29 May 2019 16:50

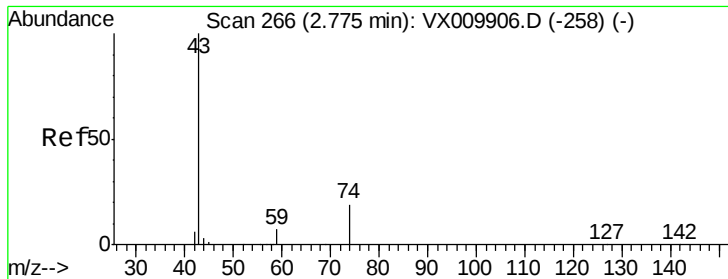
Tgt Ion: 76 Resp: 1666

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.6

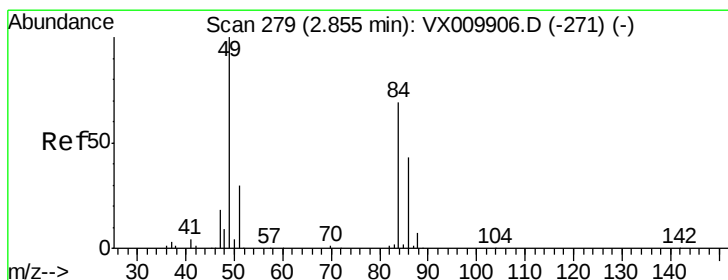
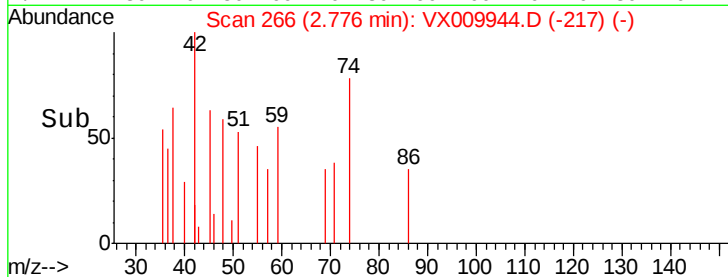
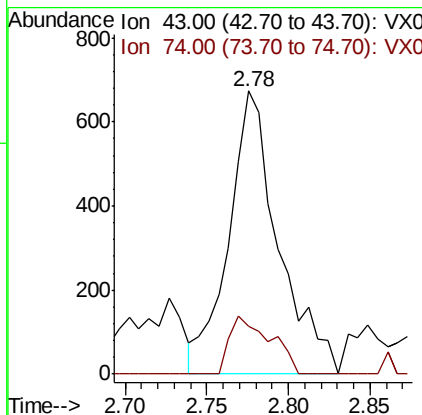
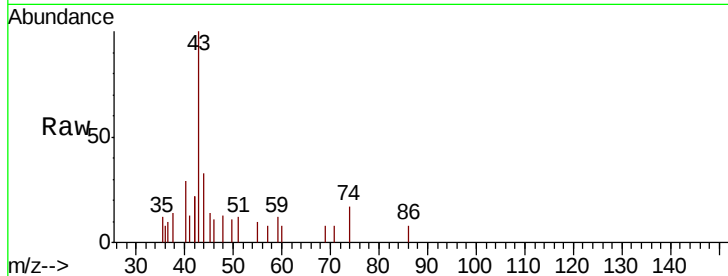




#18
Methvl Acetate
Concen: 0.421 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009944.D
Acq: 29 May 2019 16:50

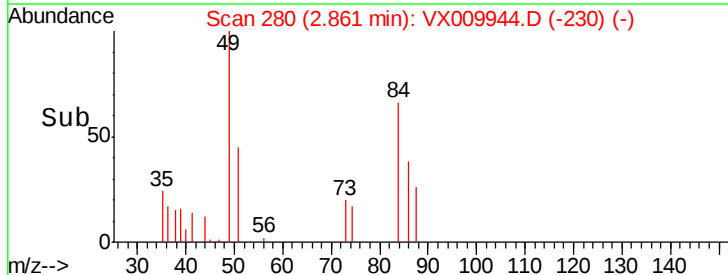
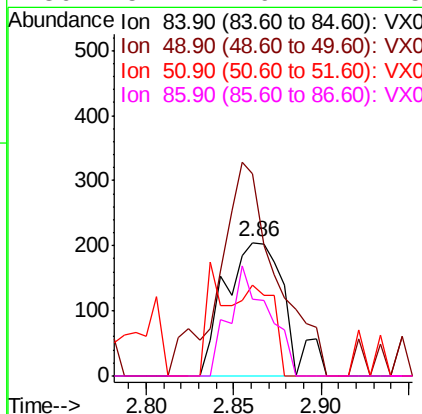
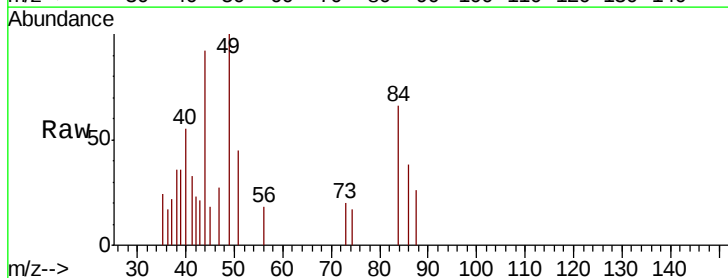
Instrument :
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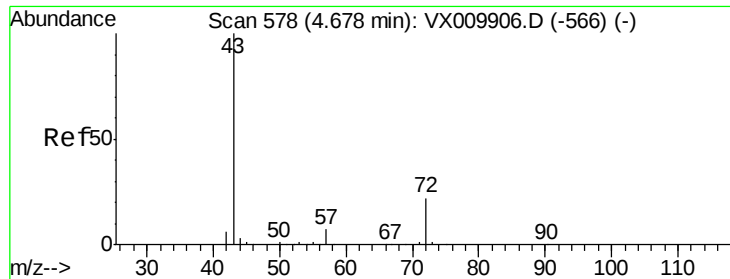
Tot Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
74 16.9 15.8 23.6



#20
Methylene Chloride
Concen: 0.221 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009944.D
Acq: 29 May 2019 16:50

Tgt Ion: 84 Resp: 493
Ion Ratio Lower Upper
84 100
49 151.7 115.8 173.6
51 68.3 34.4 51.6#
86 57.1 49.7 74.5

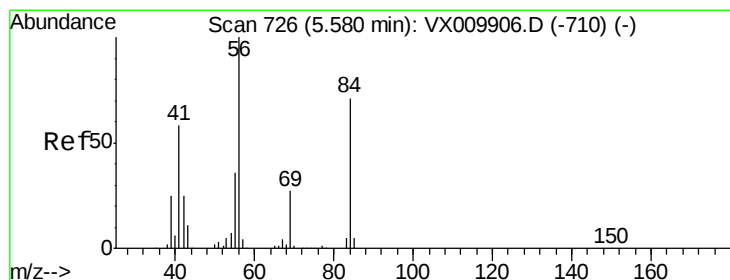
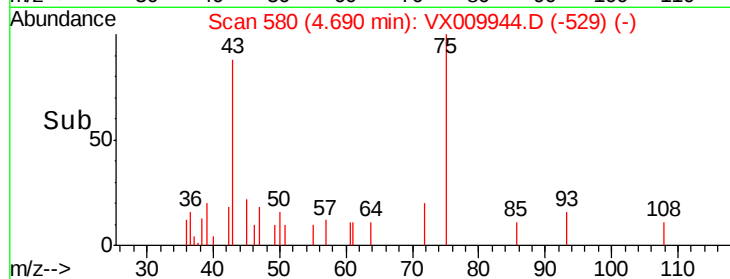
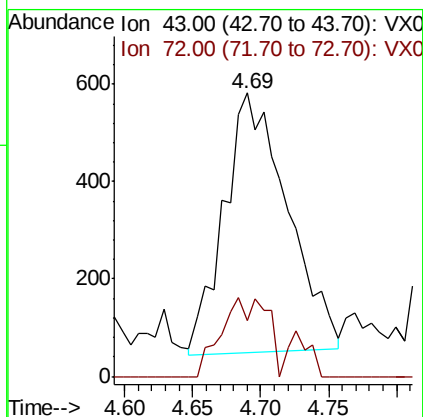
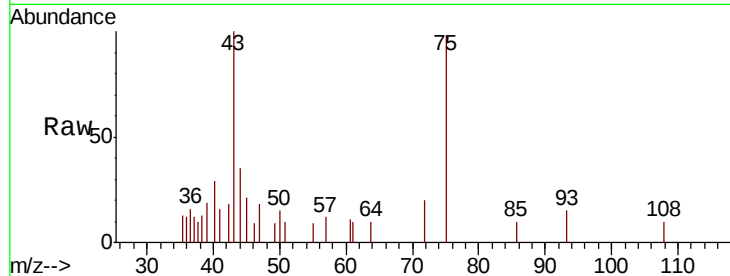




#25
2-Butanone
Concen: 0.766 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.01 min
Lab File: VX009944.D
Acq: 29 May 2019 16:50

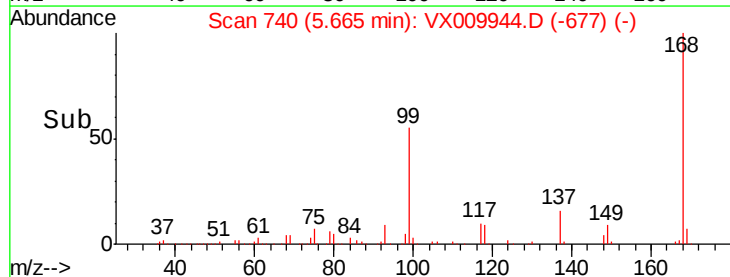
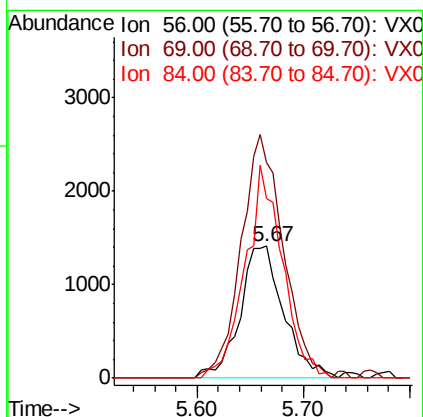
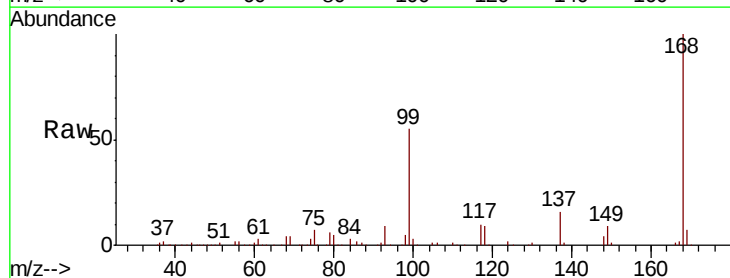
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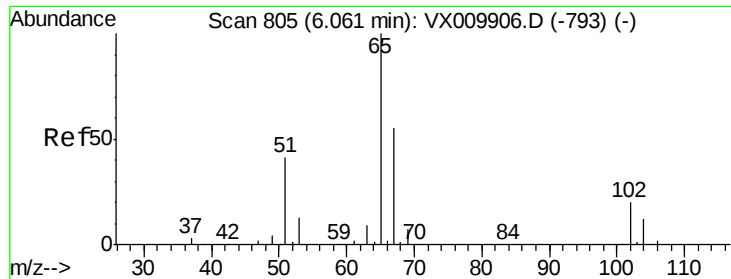
Tot Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
72 21.7 17.5 26.3



#31
Cyclohexane
Concen: 1.064 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009944.D
Acq: 29 May 2019 16:50

Tgt Ion: 56 Resp: 4081
Ion Ratio Lower Upper
56 100
69 163.8 21.6 32.4#
84 136.8 56.8 85.2#

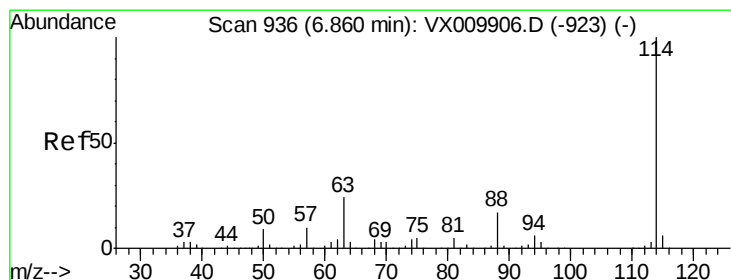
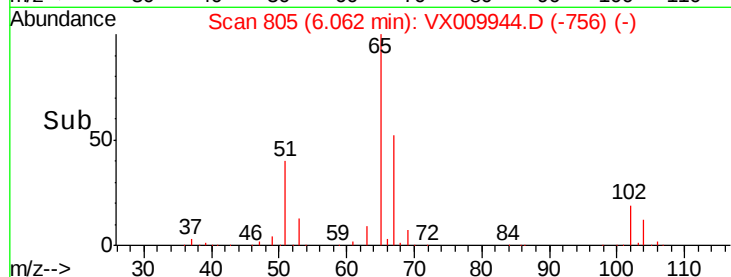
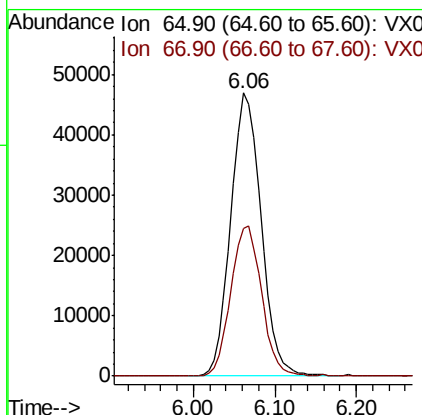
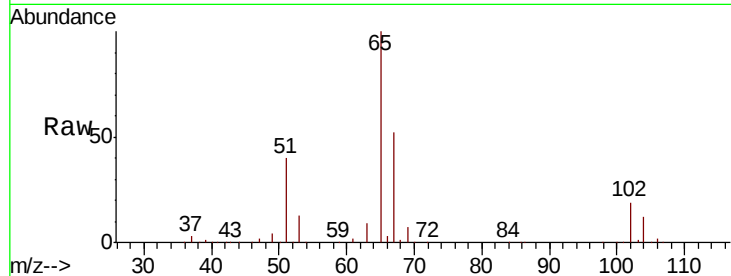




#33
 1,2-Dichloroethane-d4
 Concen: 48.112 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009944.D
 Acq: 29 May 2019 16:50

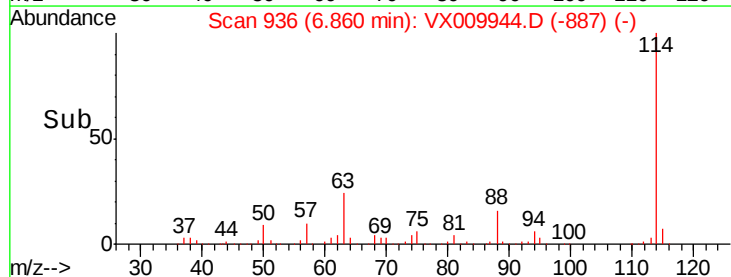
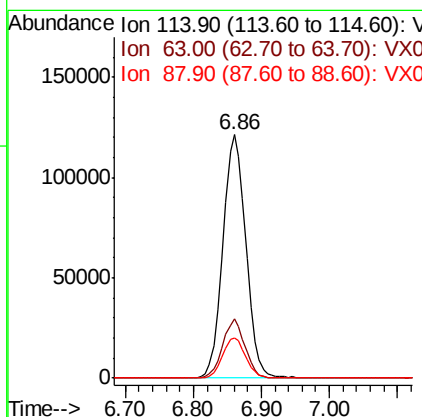
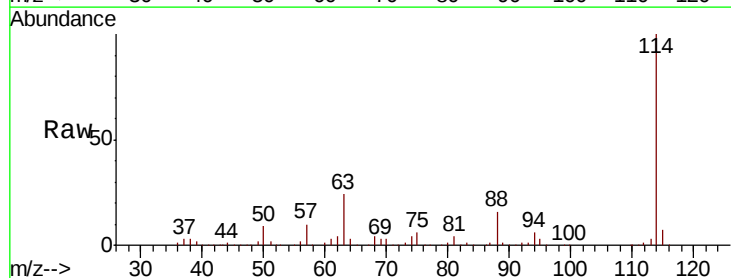
Instrument :
 MSVOA_X
 ClientSampled :
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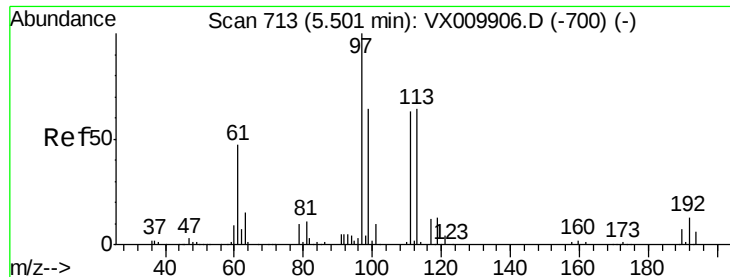
Tot Ion: 65 Resp: 121281
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009944.D
 Acq: 29 May 2019 16:50

Tgt Ion: 114 Resp: 284630
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 47.4
 88 16.4 0.0 33.0

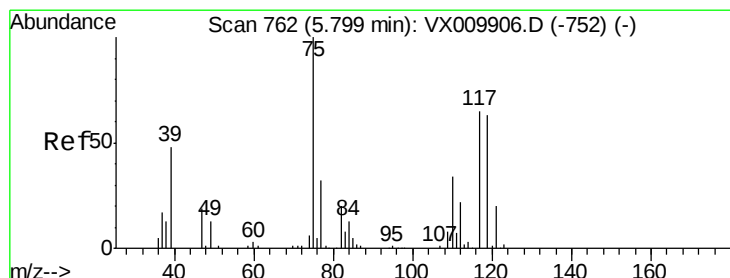
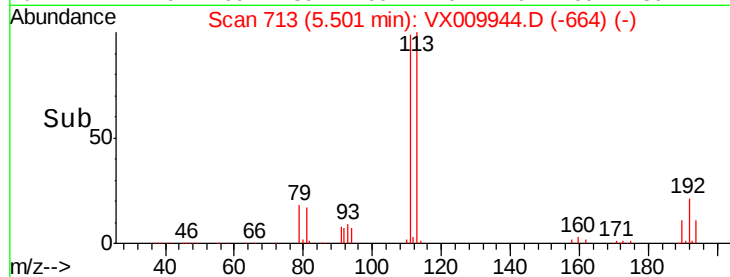
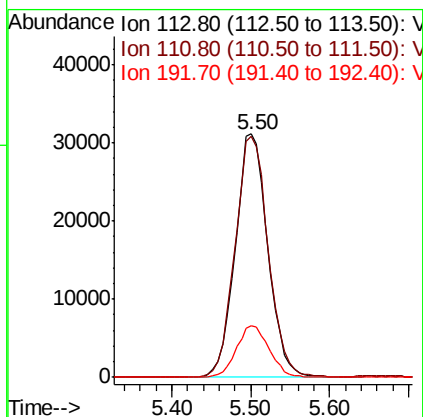
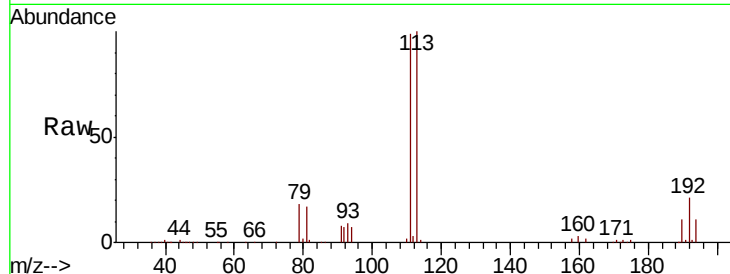




#35
 Dibromofluoromethane
 Concen: 49.765 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX009944.D
 Acq: 29 May 2019 16:50

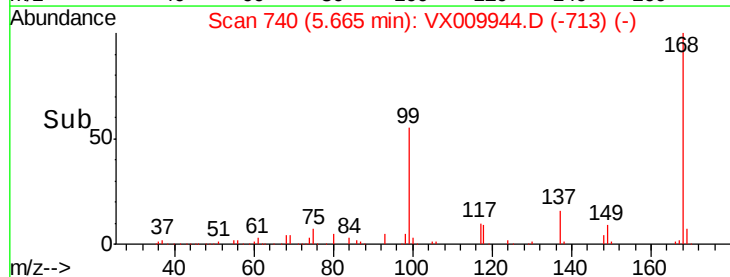
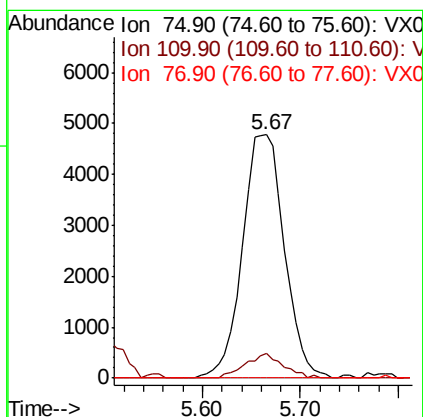
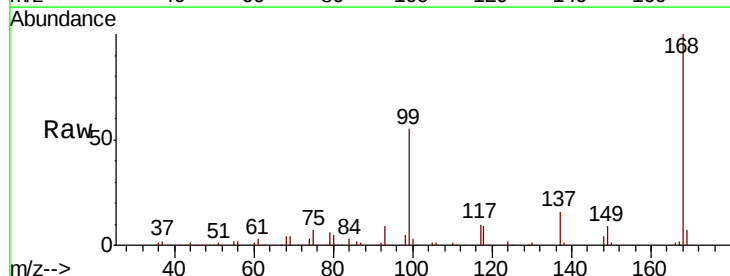
Instrument :
 MSVOA_X
 ClientSampleId :
 W-3

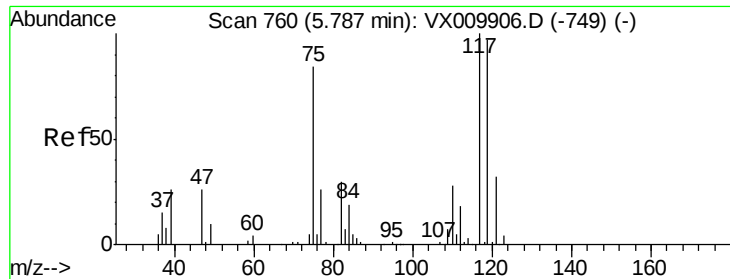
Tot Ion:113 Resp: 89054
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.2 123.2
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.921 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009944.D
 Acq: 29 May 2019 16:50

Tgt Ion: 75 Resp: 14210
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.7 50.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.722 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009944.D

Acq: 29 May 2019 16:50

Instrument :

MSVOA_X

ClientSampled :

W-3

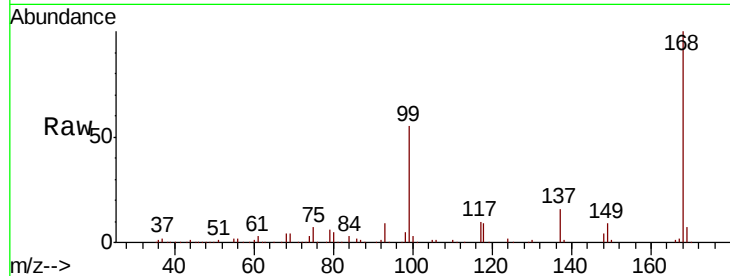
Tot Ion:117 Resp: 16774

Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

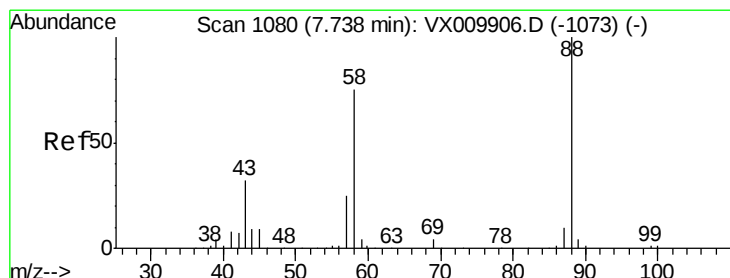
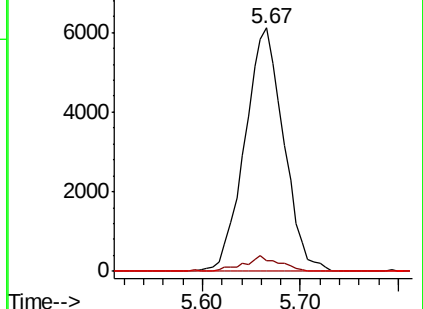
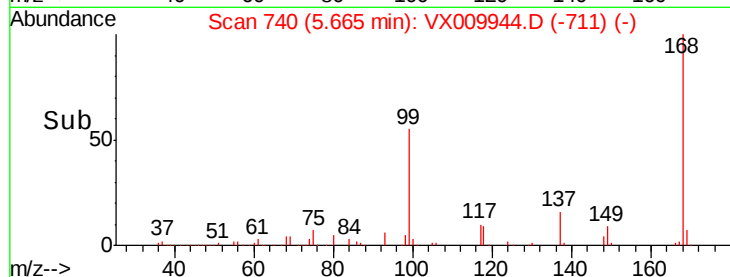
121 0.0 25.4 38.0#



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: 0.351 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX009944.D

Acq: 29 May 2019 16:50

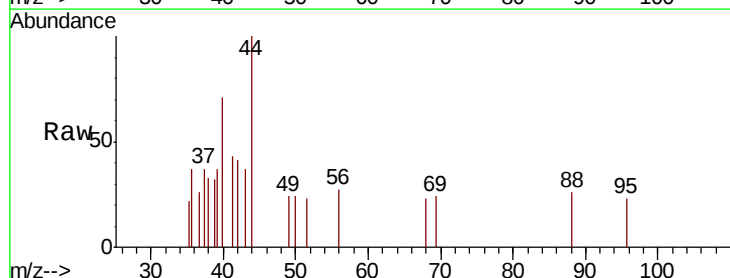
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 571.4 30.2 45.4#

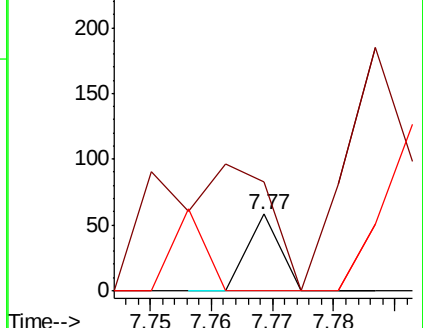
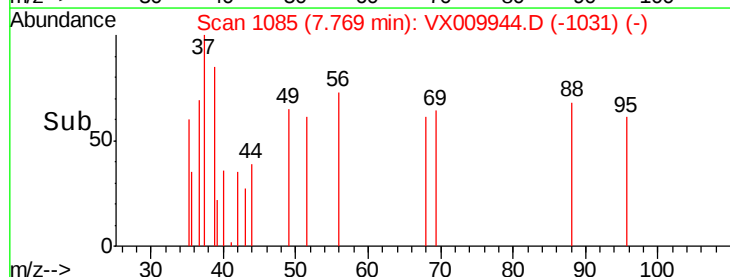
58 109.5 64.0 96.0#

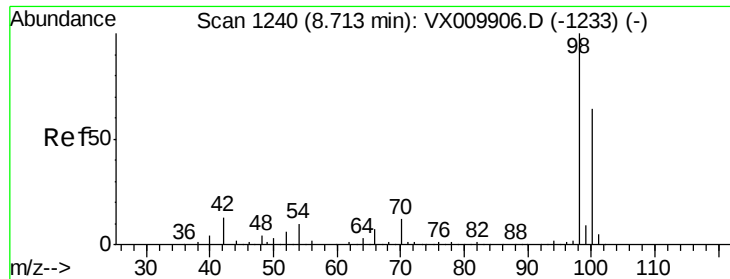


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

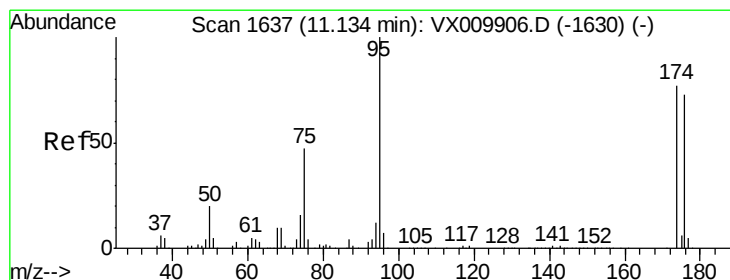
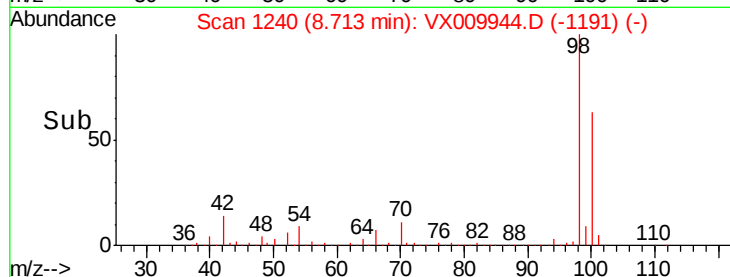
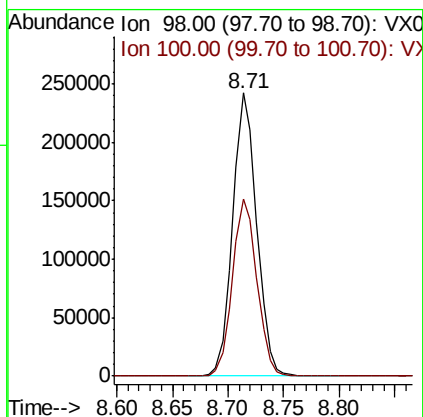
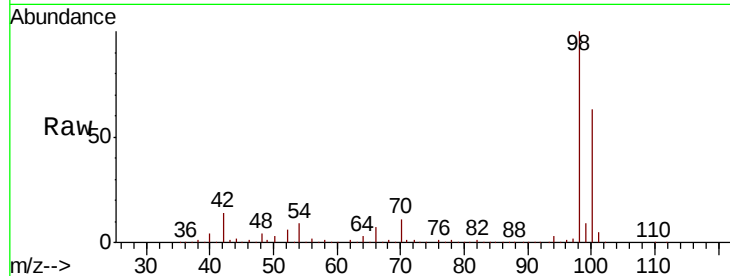




#50
Toluene-d8
Concen: 49.890 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009944.D
Acq: 29 May 2019 16:50

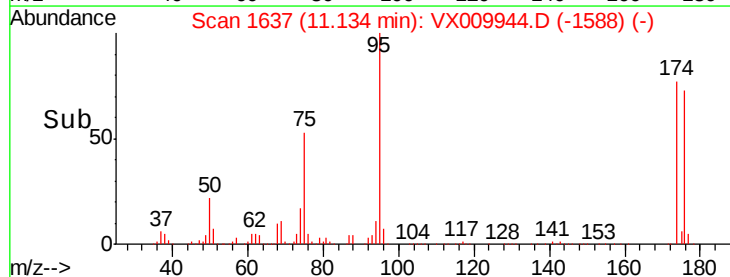
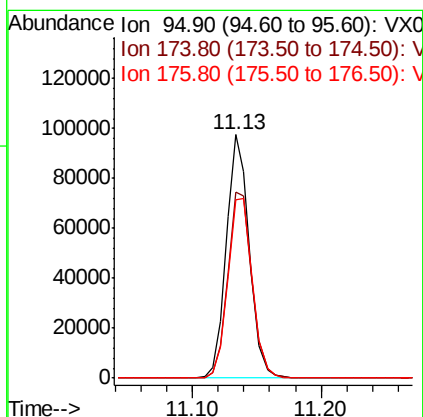
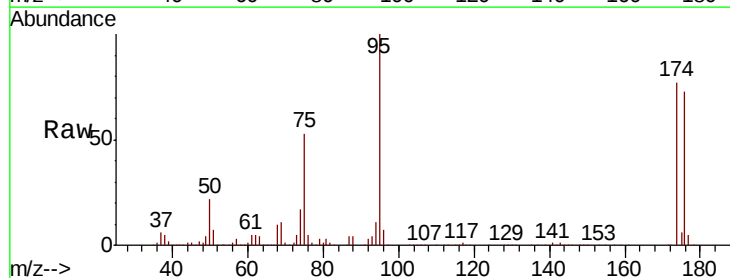
Instrument :
MSVOA_X
ClientSampled :
W-3

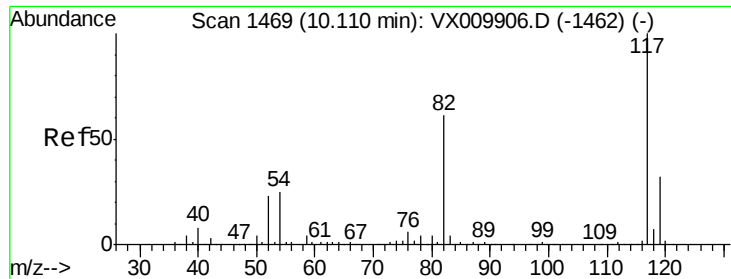
Tot Ion: 98 Resp: 362535
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 46.781 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009944.D
Acq: 29 May 2019 16:50

Tgt Ion: 95 Resp: 122102
Ion Ratio Lower Upper
95 100
174 80.4 0.0 160.4
176 78.8 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: VX009944.D

Acq: 29 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

W-3

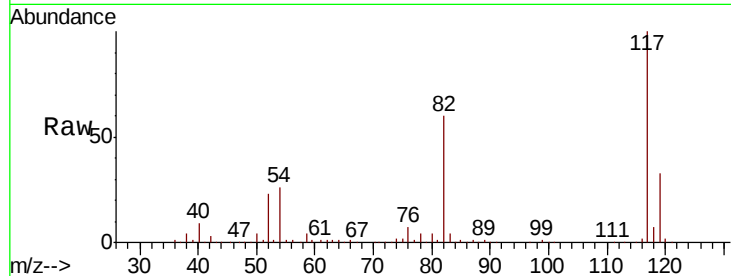
Tot Ion:117 Resp: 255957

Ion Ratio Lower Upper

117 100

82 60.2 49.2 73.8

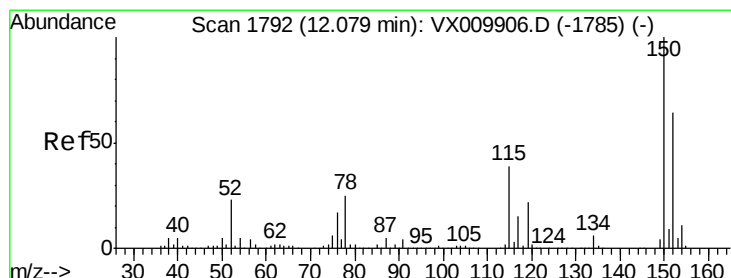
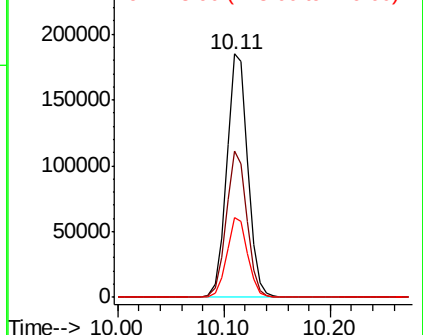
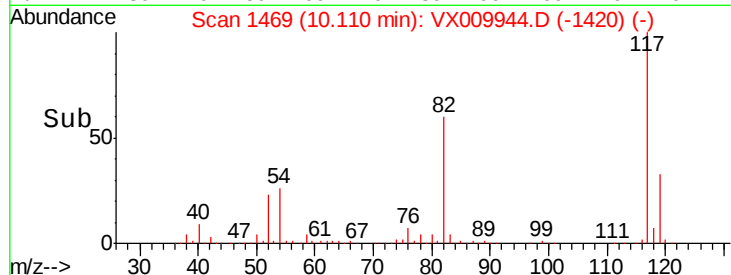
119 32.6 25.2 37.8



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: VX009944.D

Acq: 29 May 2019 16:50

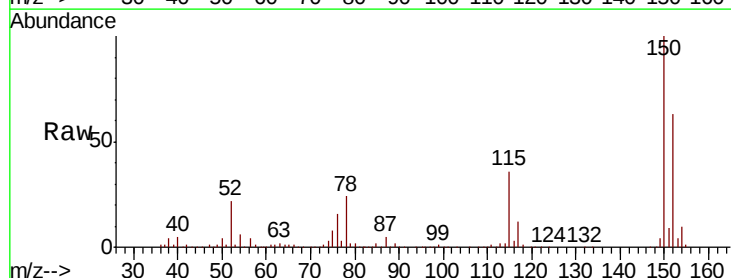
Tgt Ion:152 Resp: 110412

Ion Ratio Lower Upper

152 100

115 59.2 41.4 124.2

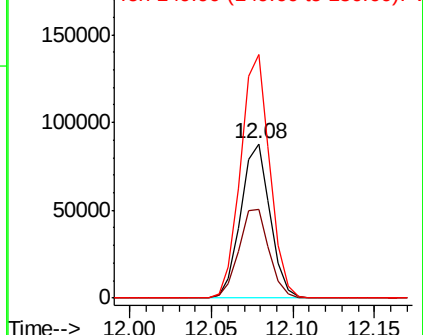
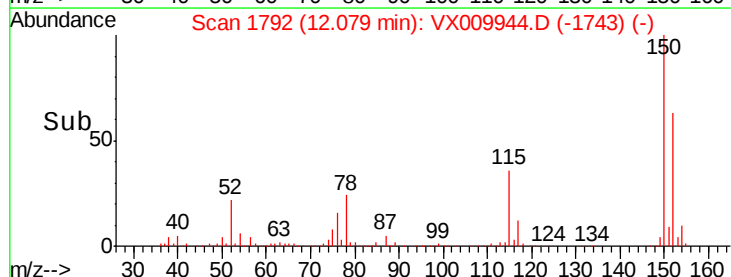
150 157.1 0.0 345.2

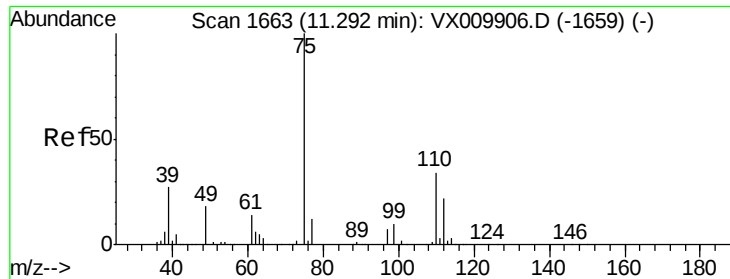


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.237 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009944.D

Acq: 29 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

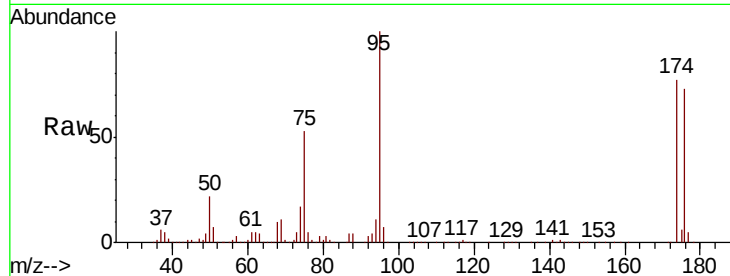
W-3

Tot Ion: 75 Resp: 63993

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

60000

50000

40000

30000

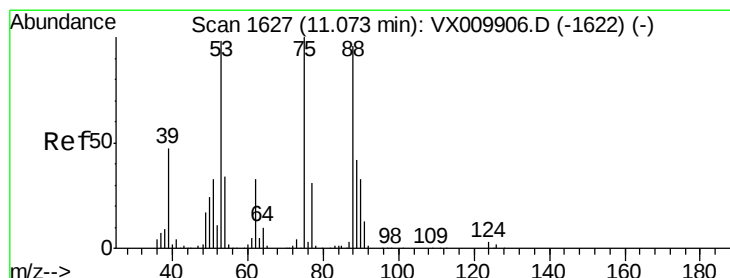
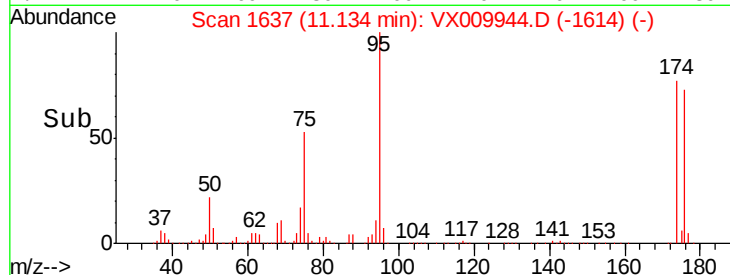
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.966 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009944.D

Acq: 29 May 2019 16:50

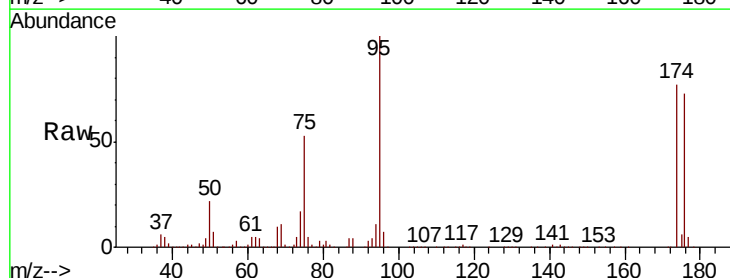
Tgt Ion: 75 Resp: 63993

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

50000

40000

30000

20000

10000

0

11.10 11.20

Time-->

