

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052919\
 Data File : VX009945.D
 Acq On : 29 May 2019 17:13
 Operator : JC/SP
 Sample : K3088-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-4

Quant Time: May 30 01:16:25 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	173611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104381	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	119275	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	5.50	113	86684	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	8.71	98	352494	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.13	95	117054	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

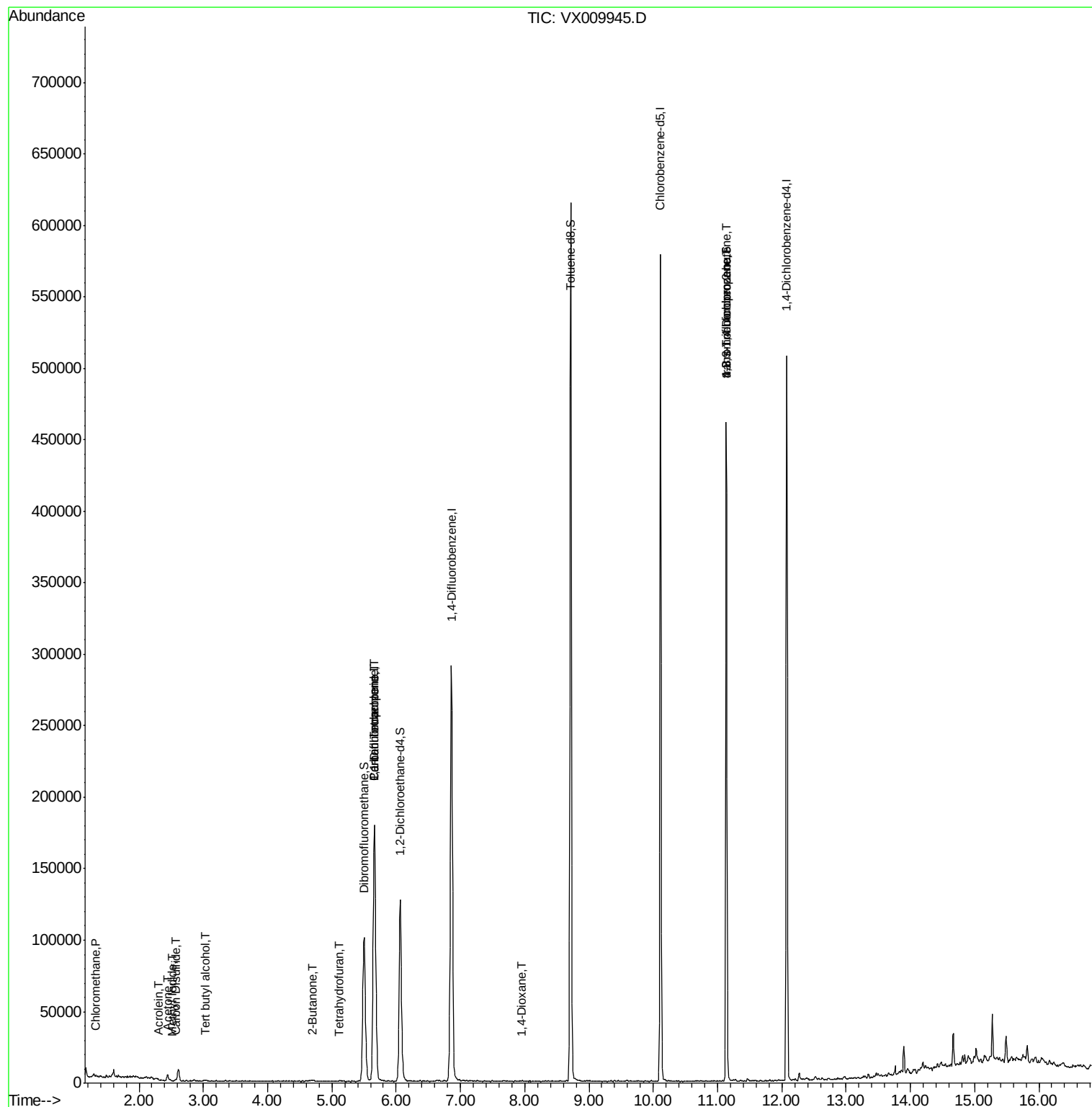
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	867	0.304	ug/l #	78
10) Methyl Iodide	2.51	142	19	4.665	ug/l #	3
11) Tert butyl alcohol	3.04	59	814	1.349	ug/l #	91
13) Acrolein	2.31	56	224	21.576	ug/l #	74
16) Acetone	2.45	43	5203	3.672	ug/l	99
17) Carbon Disulfide	2.57	76	1513	0.667	ug/l #	93
25) 2-Butanone	4.70	43	827	0.375	ug/l #	54
29) Tetrahydrofuran	5.12	42	380	0.268	ug/l #	46
36) 1,1-Dichloropropene	5.66	75	13999	4.972	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16620	6.831	ug/l #	15
49) 1,4-Dioxane	7.96	88	19	0.326	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61993	24.836	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61993	61.449	ug/l #	10

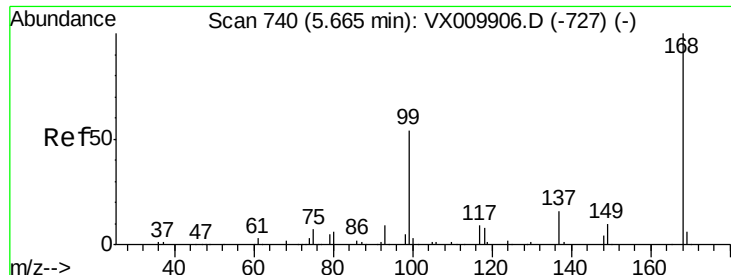
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009945.D

Acq: 29 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

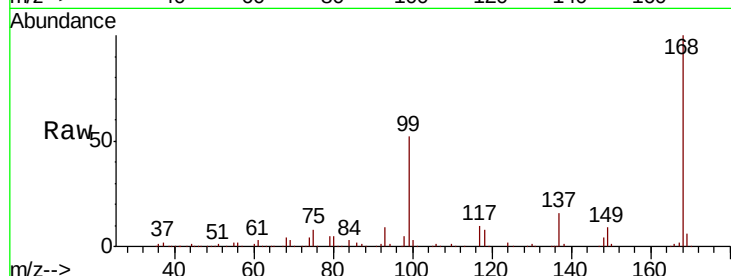
W-4

Tot Ion:168 Resp: 173611

Ion Ratio Lower Upper

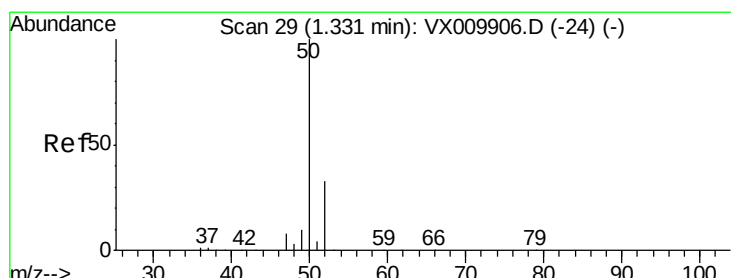
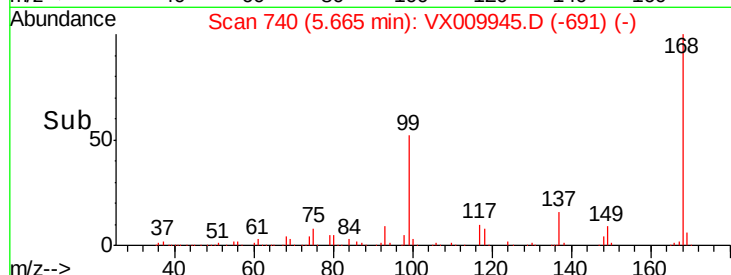
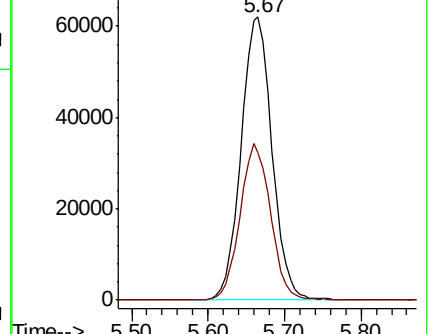
168 100

99 52.2 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: 0.304 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX009945.D

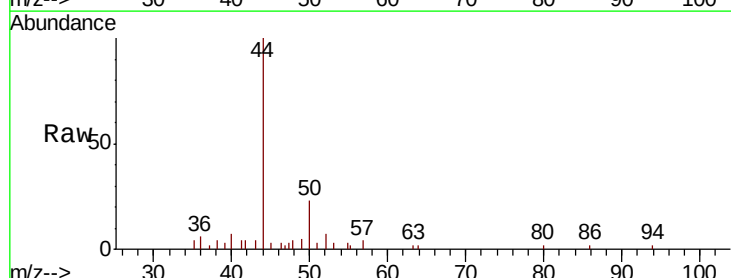
Acq: 29 May 2019 17:13

Tgt Ion: 50 Resp: 867

Ion Ratio Lower Upper

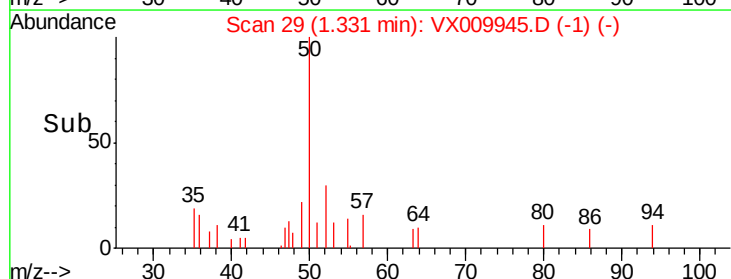
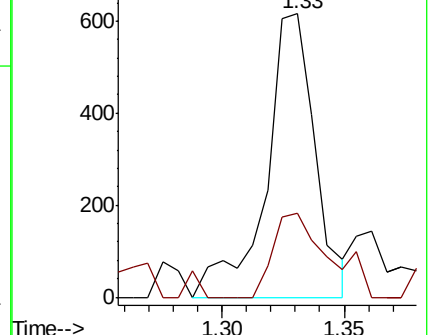
50 100

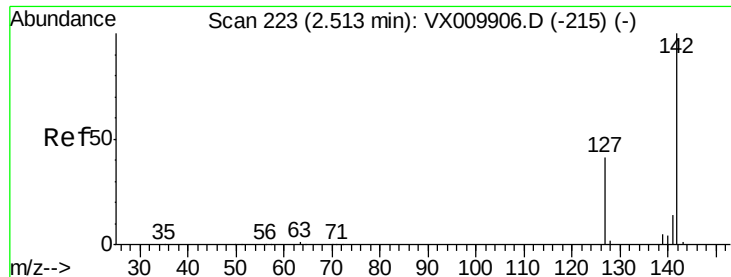
52 20.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

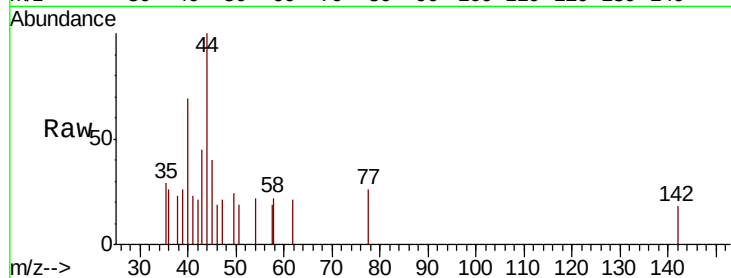




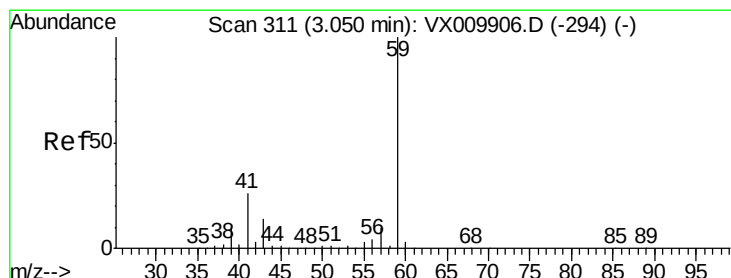
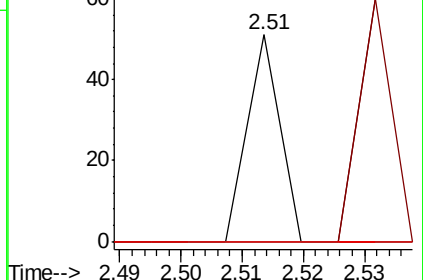
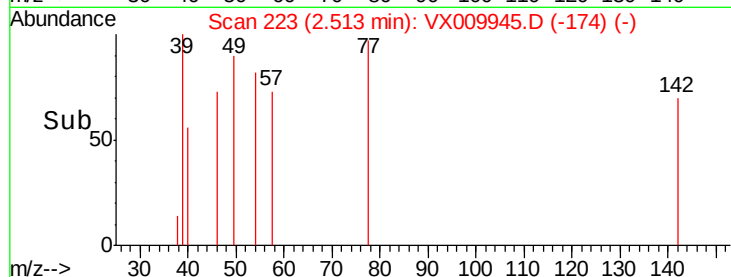
#10
Methvl Iodide
Concen: 4.665 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX009945.D
Acq: 29 May 2019 17:13

Instrument :
MSVOA_X
ClientSampled :
W-4

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 115.8 33.0 49.4#
141 0.0 11.4 17.0#

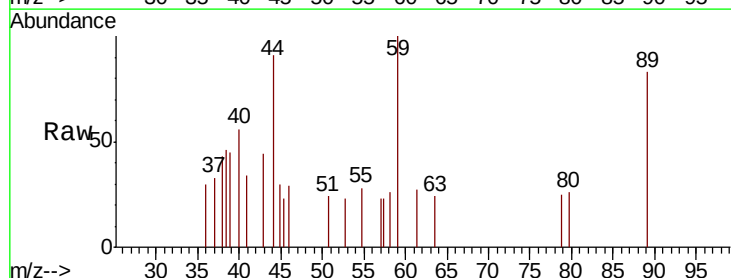


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

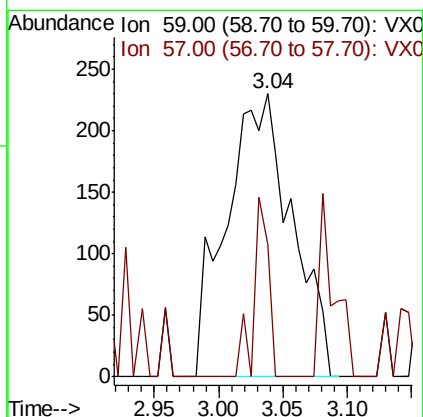
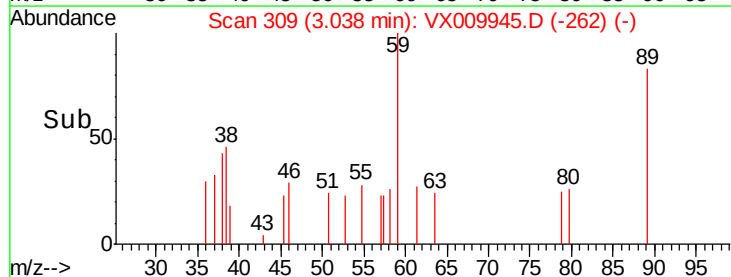


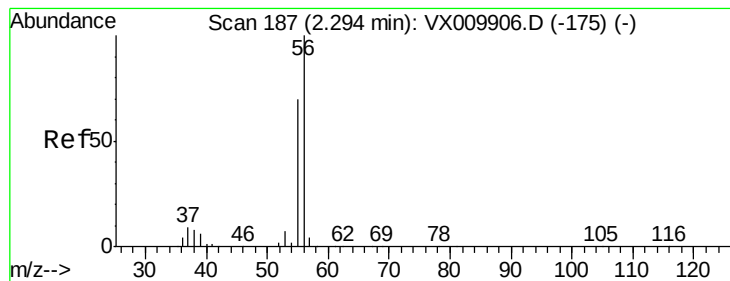
#11
Tert butyl alcohol
Concen: 1.349 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009945.D
Acq: 29 May 2019 17:13

Tgt Ion: 59 Resp: 814
Ion Ratio Lower Upper
59 100
57 13.6 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: 21.576 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX009945.D

Acq: 29 May 2019 17:13

Instrument :

MSVOA_X

ClientSampled :

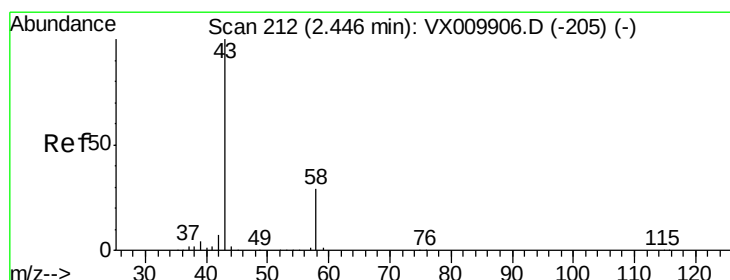
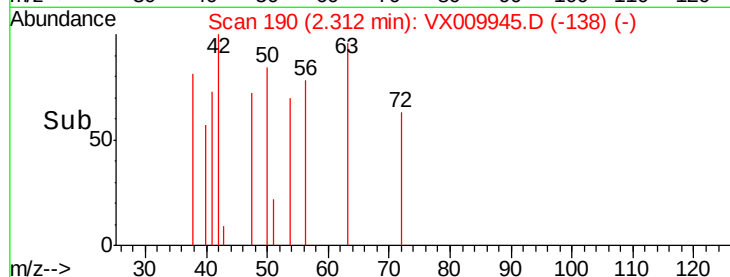
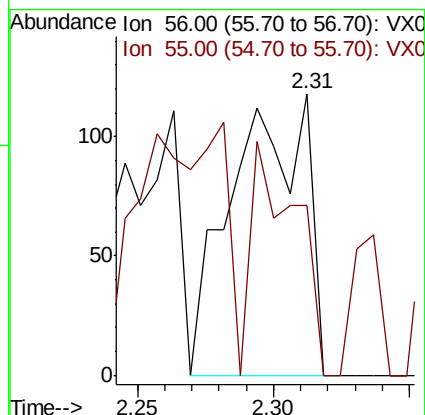
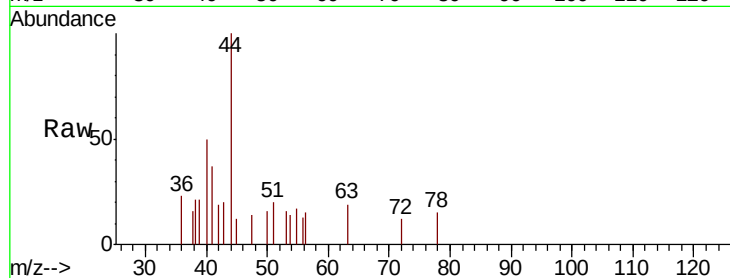
W-4

Tot Ion: 56 Resp: 224

Ion Ratio Lower Upper

56 100

55 50.0 57.0 85.4#



#16

Acetone

Concen: 3.672 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009945.D

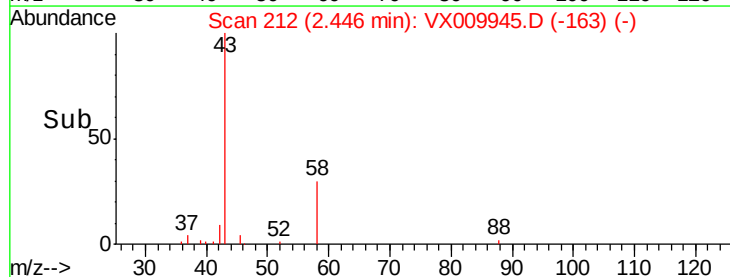
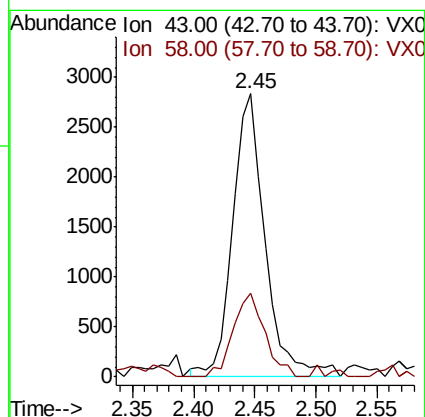
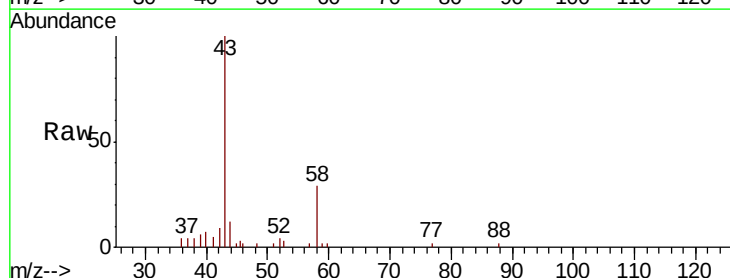
Acq: 29 May 2019 17:13

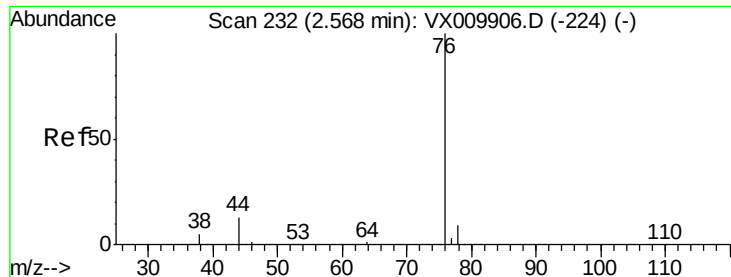
Tgt Ion: 43 Resp: 5203

Ion Ratio Lower Upper

43 100

58 29.5 23.2 34.8





#17

Carbon Disulfide

Concen: 0.667 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009945.D

Acq: 29 May 2019 17:13

Instrument :

MSVOA_X

ClientSampled :

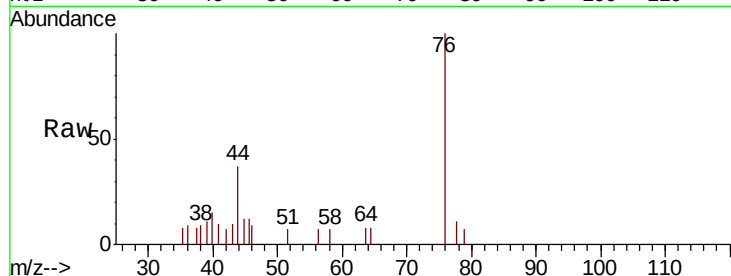
W-4

Tot Ion: 76 Resp: 1513

Ion Ratio Lower Upper

76 100

78 11.4 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

800

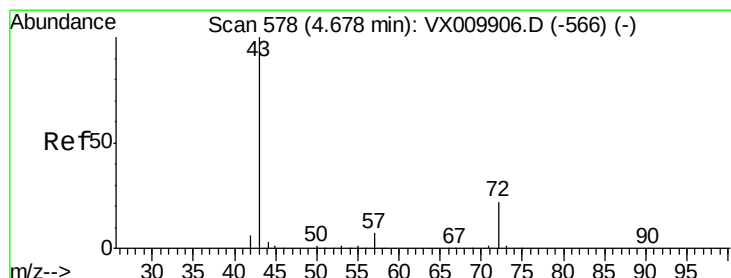
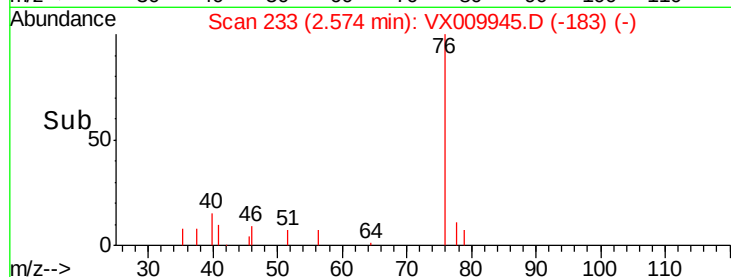
600

400

200

0

Time-->



#25

2-Butanone

Concen: 0.375 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009945.D

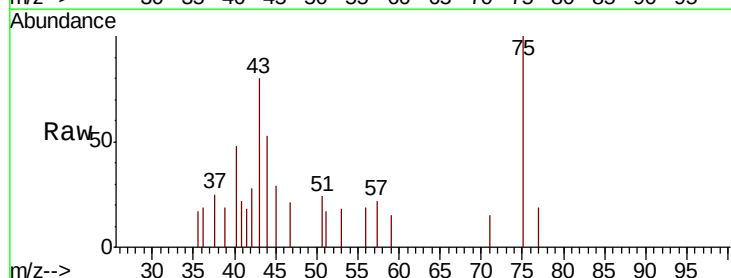
Acq: 29 May 2019 17:13

Tgt Ion: 43 Resp: 827

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

4.70

300

250

200

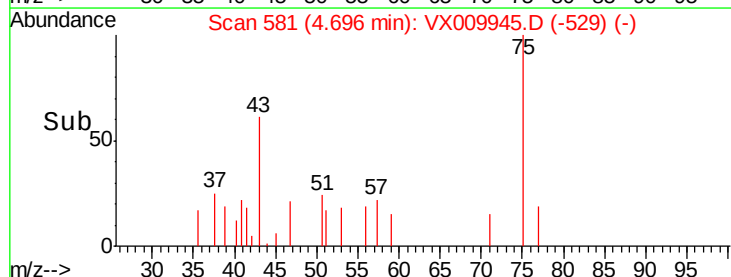
150

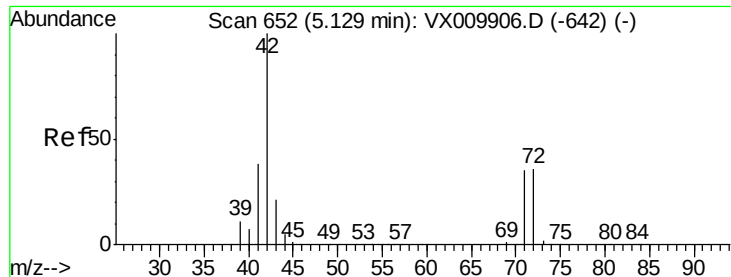
100

50

0

Time-->

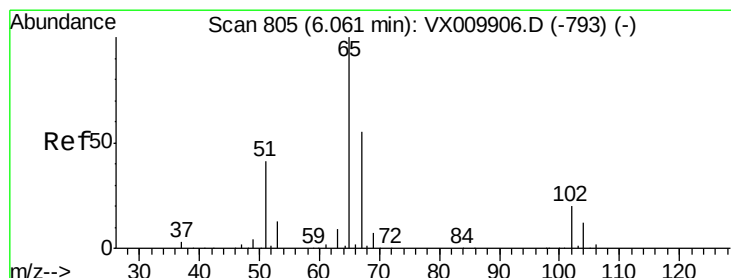
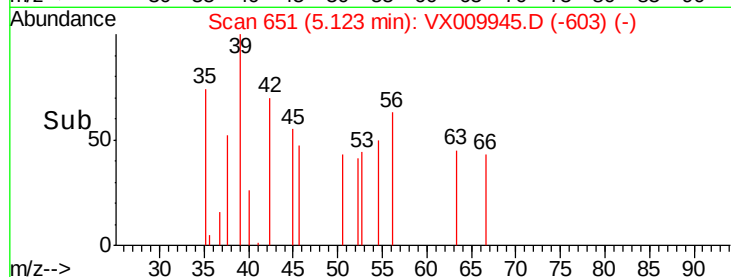
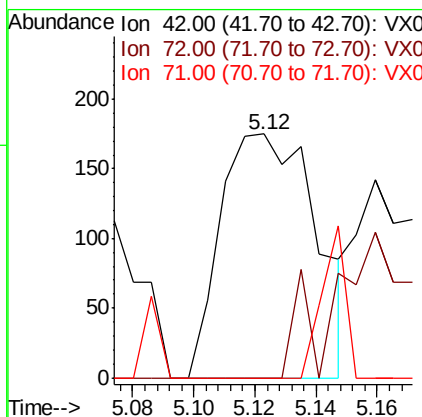
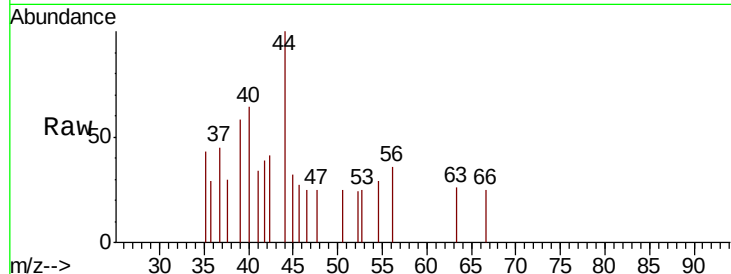




#29
Tetrahydrofuran
Concen: 0.268 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009945.D
Acq: 29 May 2019 17:13

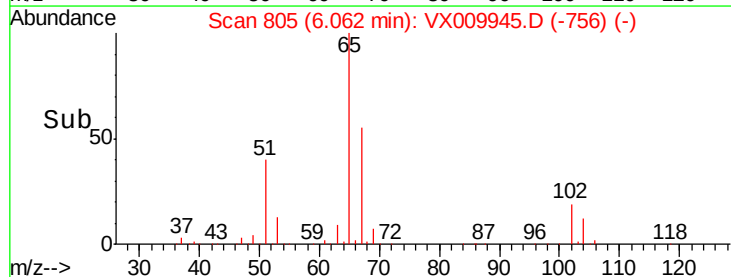
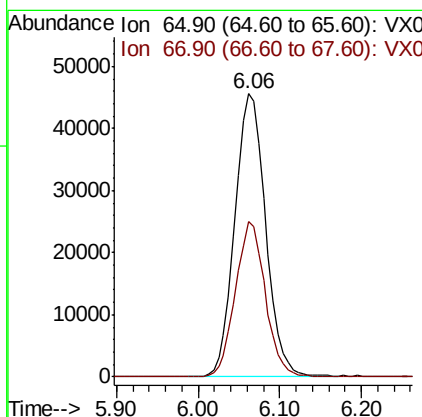
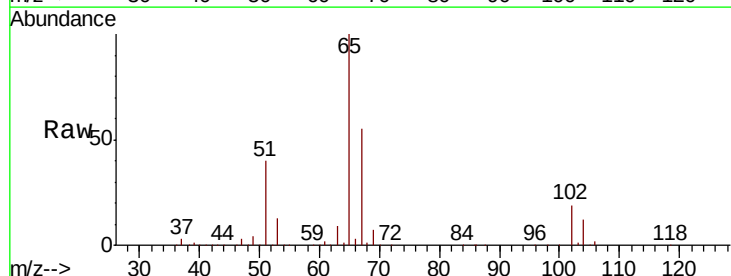
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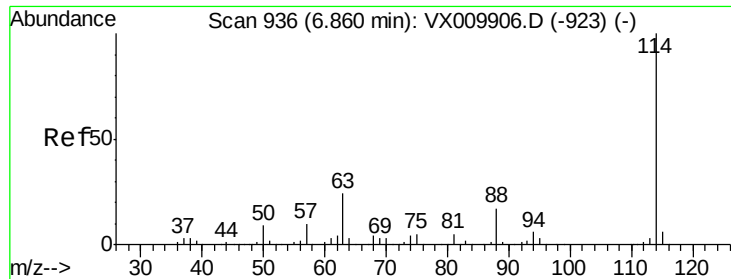
Tot Ion: 42 Resp: 380
Ion Ratio Lower Upper
42 100
72 7.6 29.2 43.8#
71 0.0 27.6 41.4#



#33
1,2-Dichloroethane-d4
Concen: 48.636 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009945.D
Acq: 29 May 2019 17:13

Tgt Ion: 65 Resp: 119275
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.4

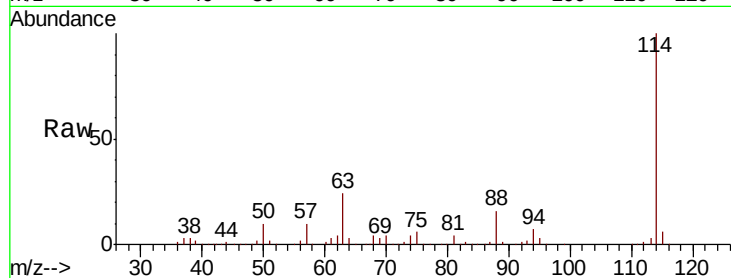




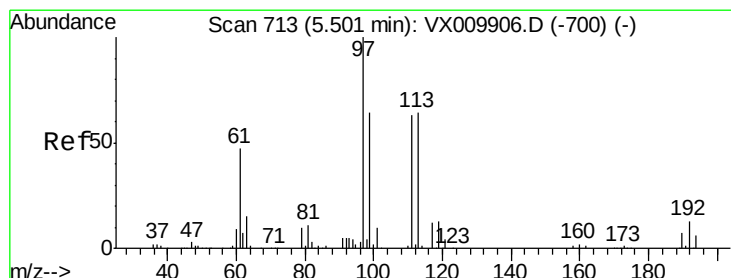
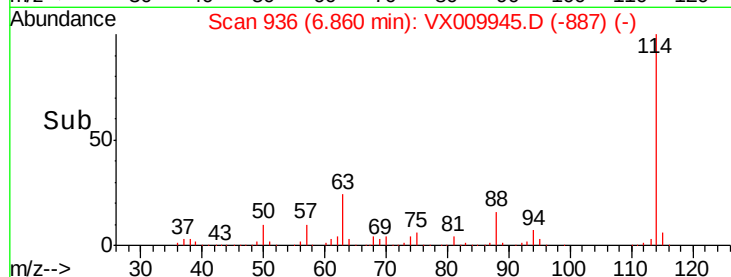
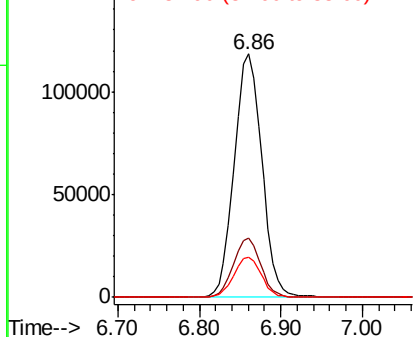
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009945.D
 Acq: 29 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
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Tot Ion:114 Resp: 277489
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 47.4
 88 16.4 0.0 33.0

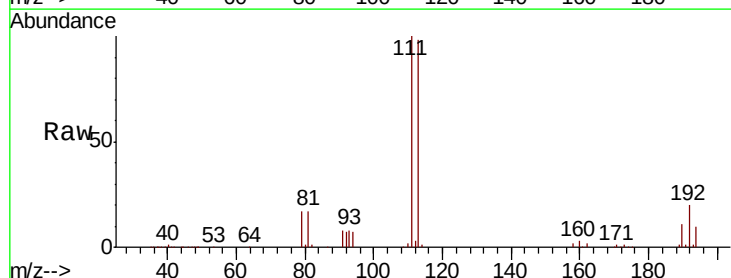


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

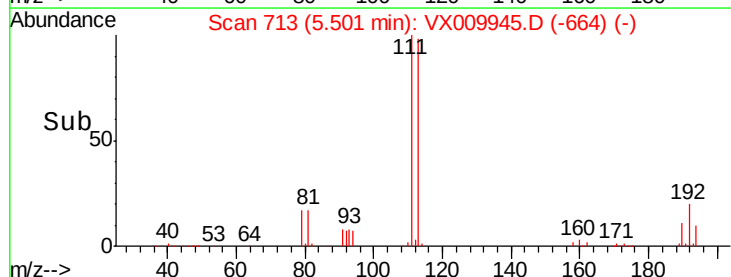
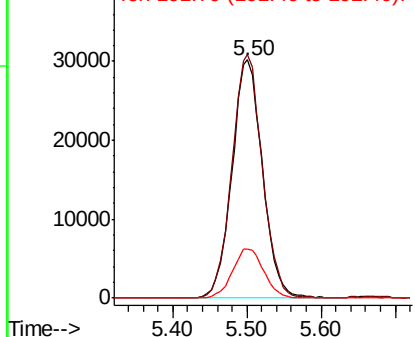


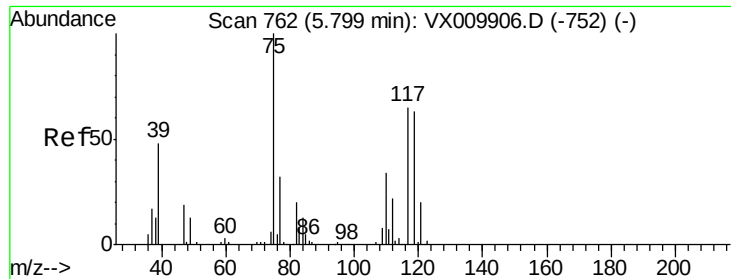
#35
 Dibromofluoromethane
 Concen: 49.688 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX009945.D
 Acq: 29 May 2019 17:13

Tgt Ion:113 Resp: 86684
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.2
 192 21.3 17.1 25.7



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

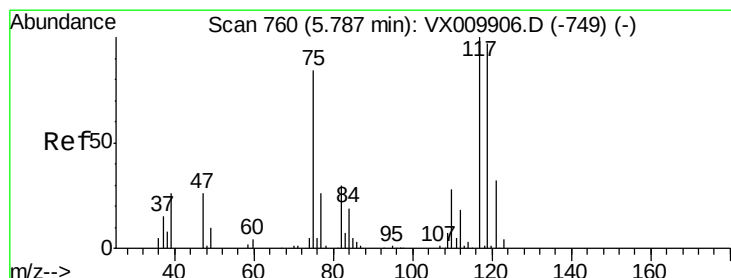
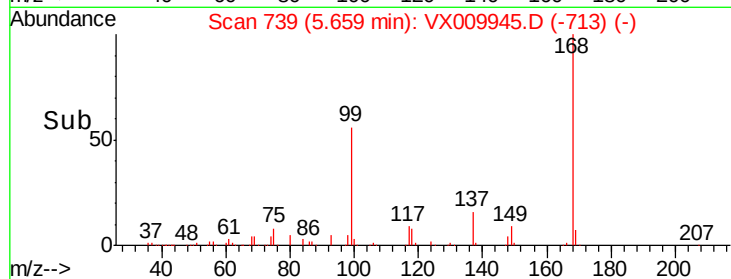
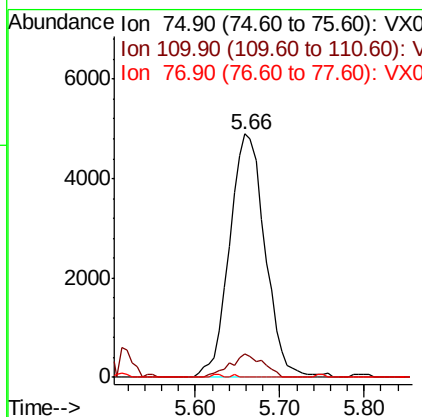
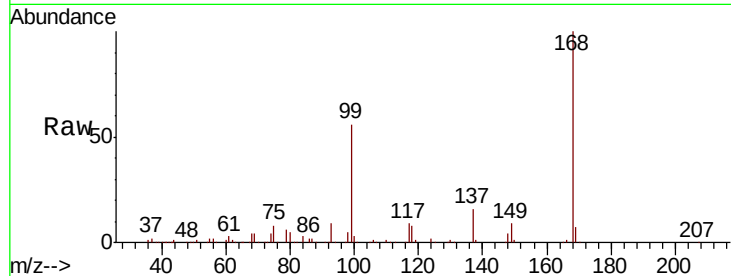




#36
 1,1-Dichloropropene
 Concen: 4.972 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009945.D
 Acq: 29 May 2019 17:13

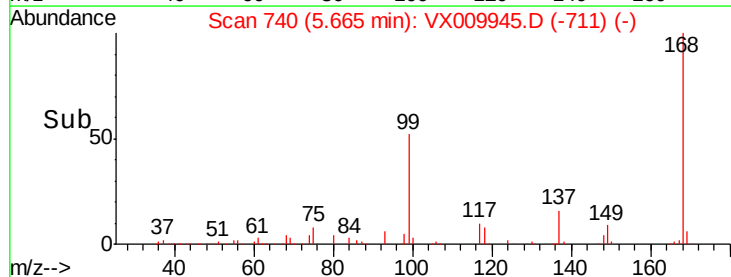
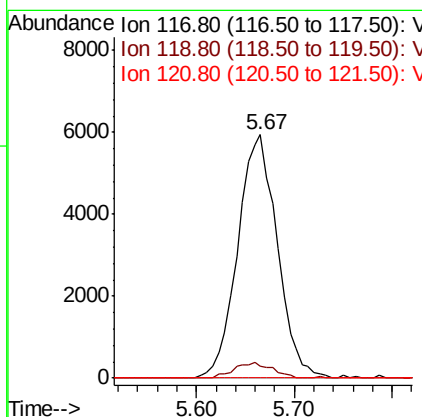
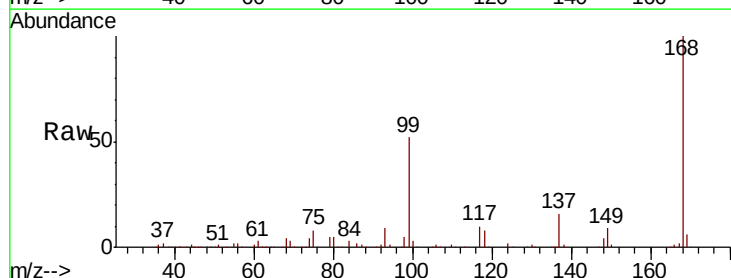
Instrument :
 MSVOA_X
 ClientSampleId :
 W-4

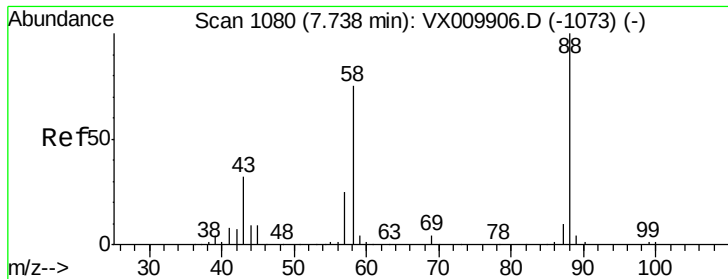
Tot Ion: 75 Resp: 13999
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.7 50.1#
 77 0.1 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.831 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009945.D
 Acq: 29 May 2019 17:13

Tgt Ion:117 Resp: 16620
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.3 115.9#
 121 0.0 25.4 38.0#





#49

1,4-Dioxane

Concen: 0.326 ug/l

RT: 7.96 min Scan# 1116

Delta R.T. 0.22 min

Lab File: VX009945.D

Acq: 29 May 2019 17:13

Instrument :

MSVOA_X

ClientSampled :

W-4

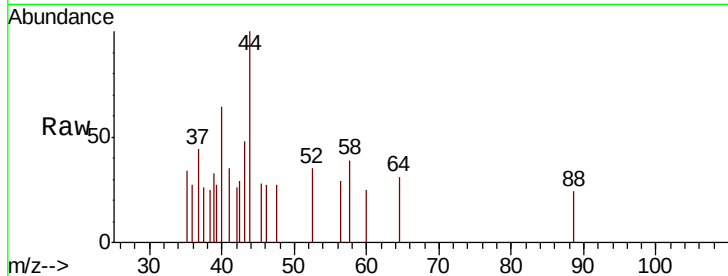
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 2094.7 30.2 45.4#

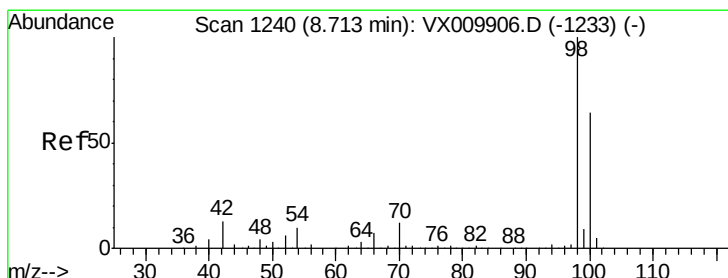
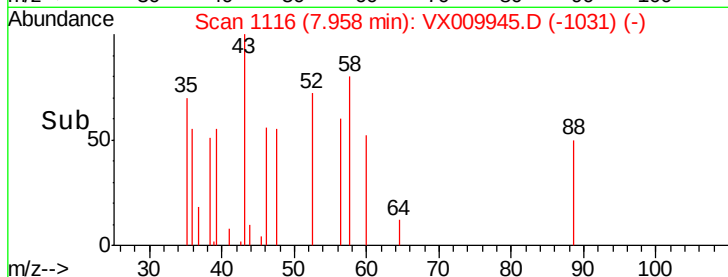
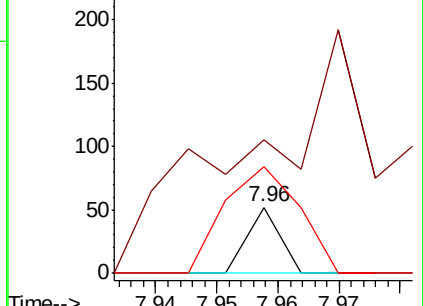
58 373.7 64.0 96.0#



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: 49.757 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009945.D

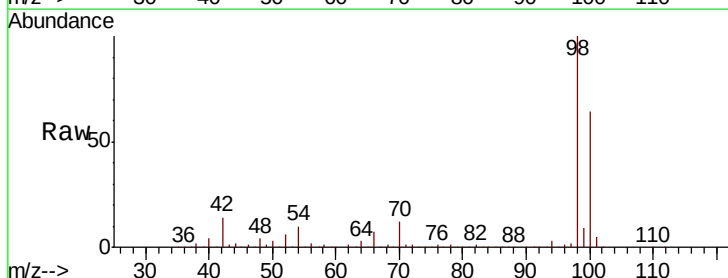
Acq: 29 May 2019 17:13

Tgt Ion: 98 Resp: 352494

Ion Ratio Lower Upper

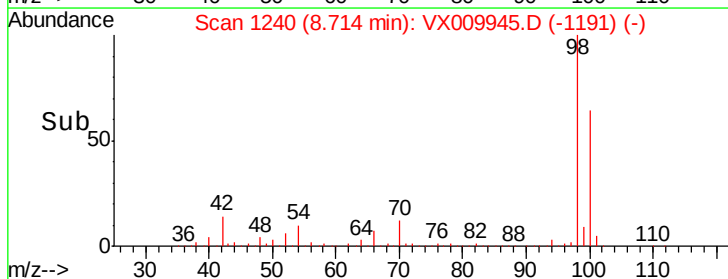
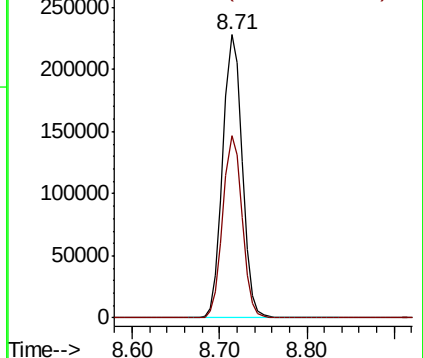
98 100

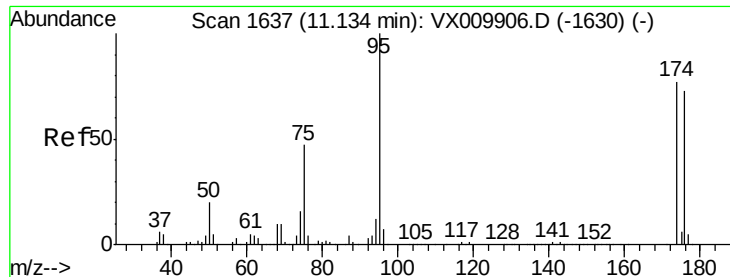
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.001 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009945.D

Acq: 29 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

W-4

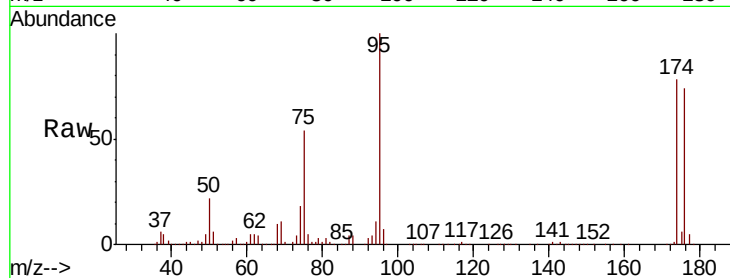
Tot Ion: 95 Resp: 117054

Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.4

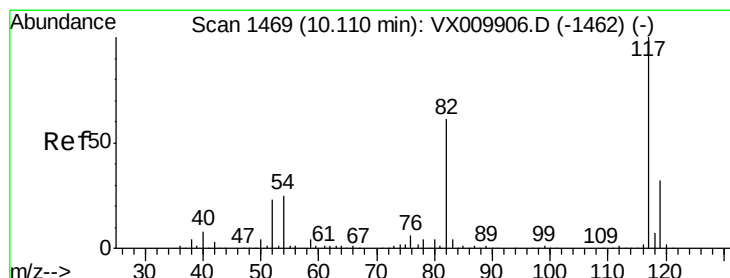
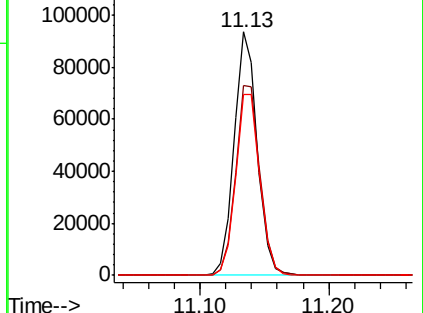
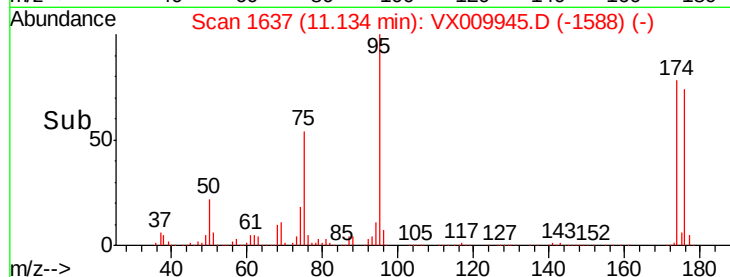
176 77.7 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009945.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009945.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009945.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009945.D

Acq: 29 May 2019 17:13

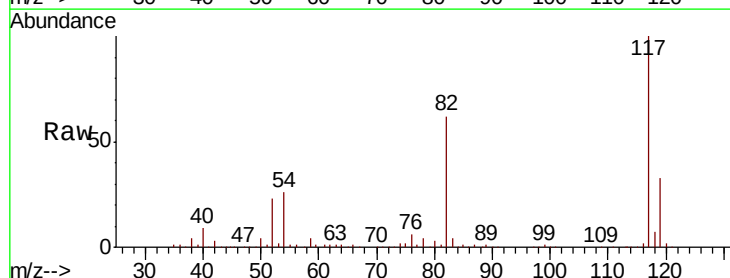
Tgt Ion: 117 Resp: 245897

Ion Ratio Lower Upper

117 100

82 61.9 49.2 73.8

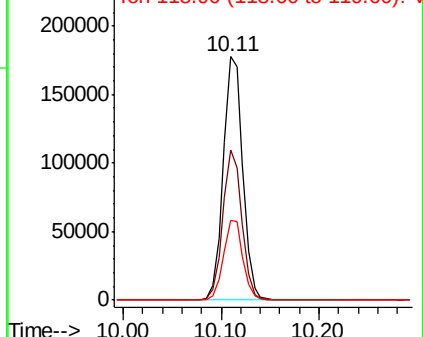
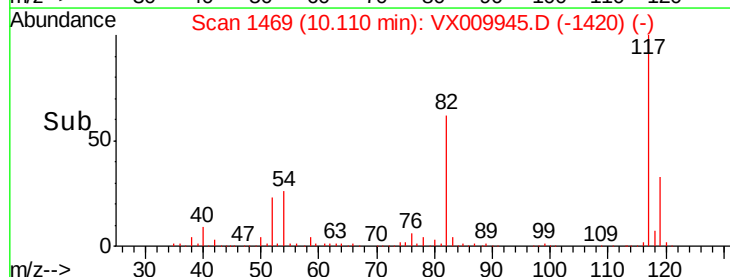
119 32.6 25.2 37.8

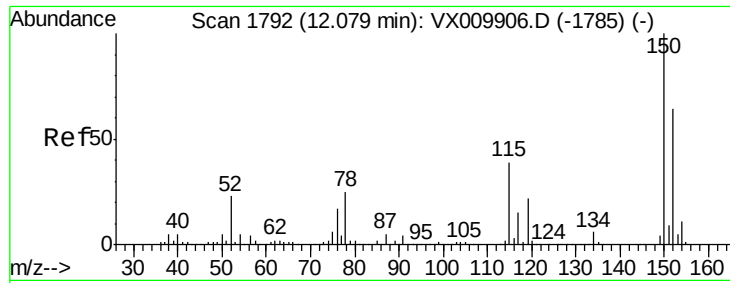


Abundance Ion 116.90 (116.60 to 117.60): VX009945.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009945.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009945.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009945.D

Acq: 29 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

W-4

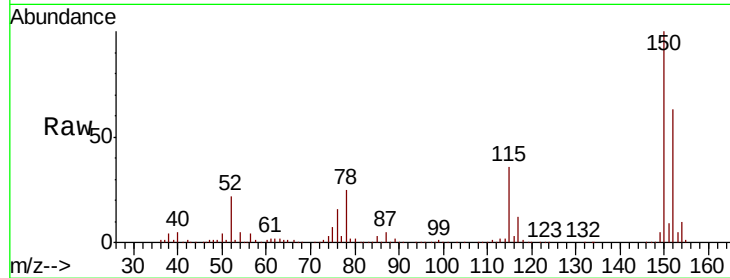
Tot Ion:152 Resp: 104381

Ion Ratio Lower Upper

152 100

115 59.0 41.4 124.2

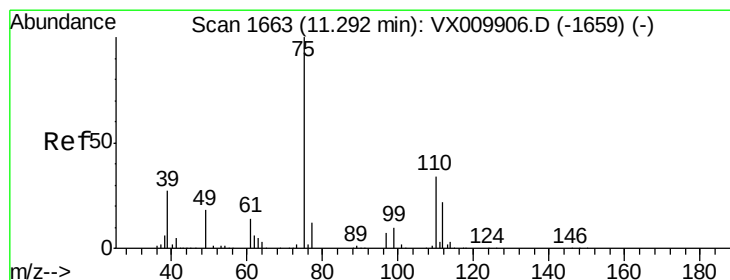
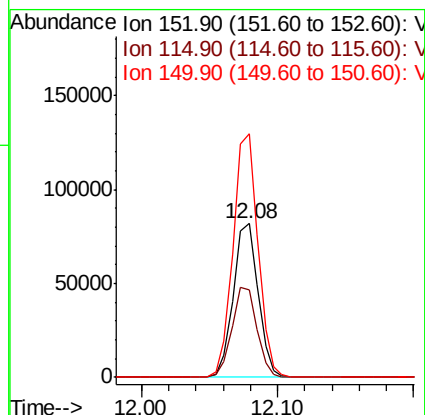
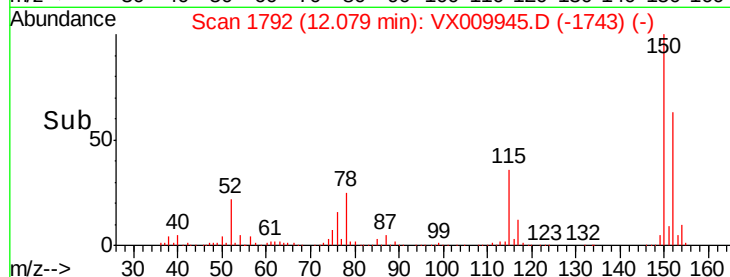
150 158.2 0.0 345.2



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: 24.836 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009945.D

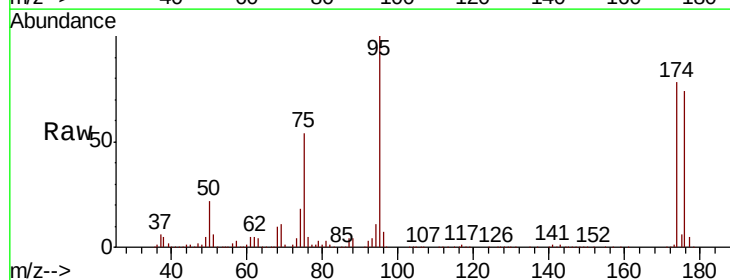
Acq: 29 May 2019 17:13

Tgt Ion: 75 Resp: 61993

Ion Ratio Lower Upper

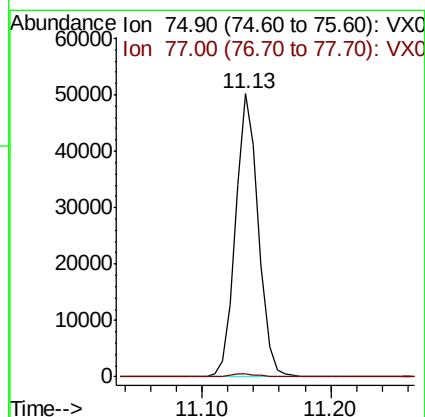
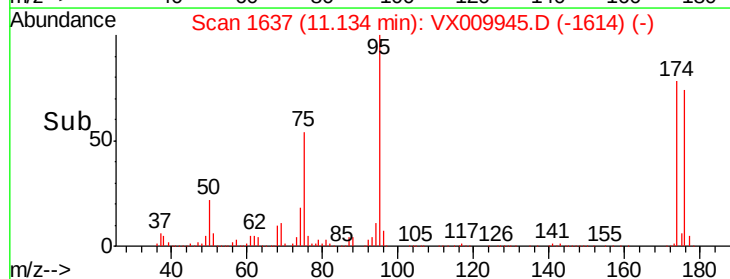
75 100

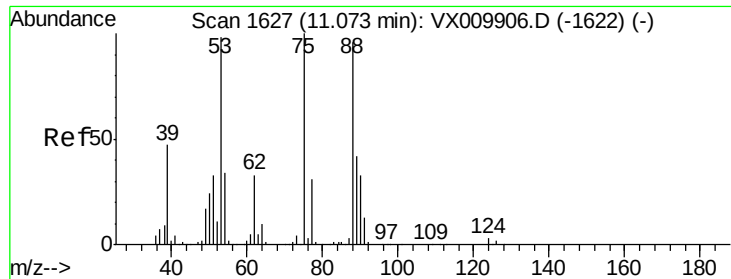
77 1.2 22.1 66.1#



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: 61.449 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009945.D

Acq: 29 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

W-4

Tot Ion: 75 Resp: 61993

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

89 0.0 34.2 51.4#

