

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009967.D
 Acq On : 30 May 2019 17:48
 Operator : JC/SP
 Sample : K3093-02 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 13908

Quant Time: May 31 05:36:13 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	170144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107532	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	114285	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	5.50	113	84453	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.71	98	346203	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.13	95	116572	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

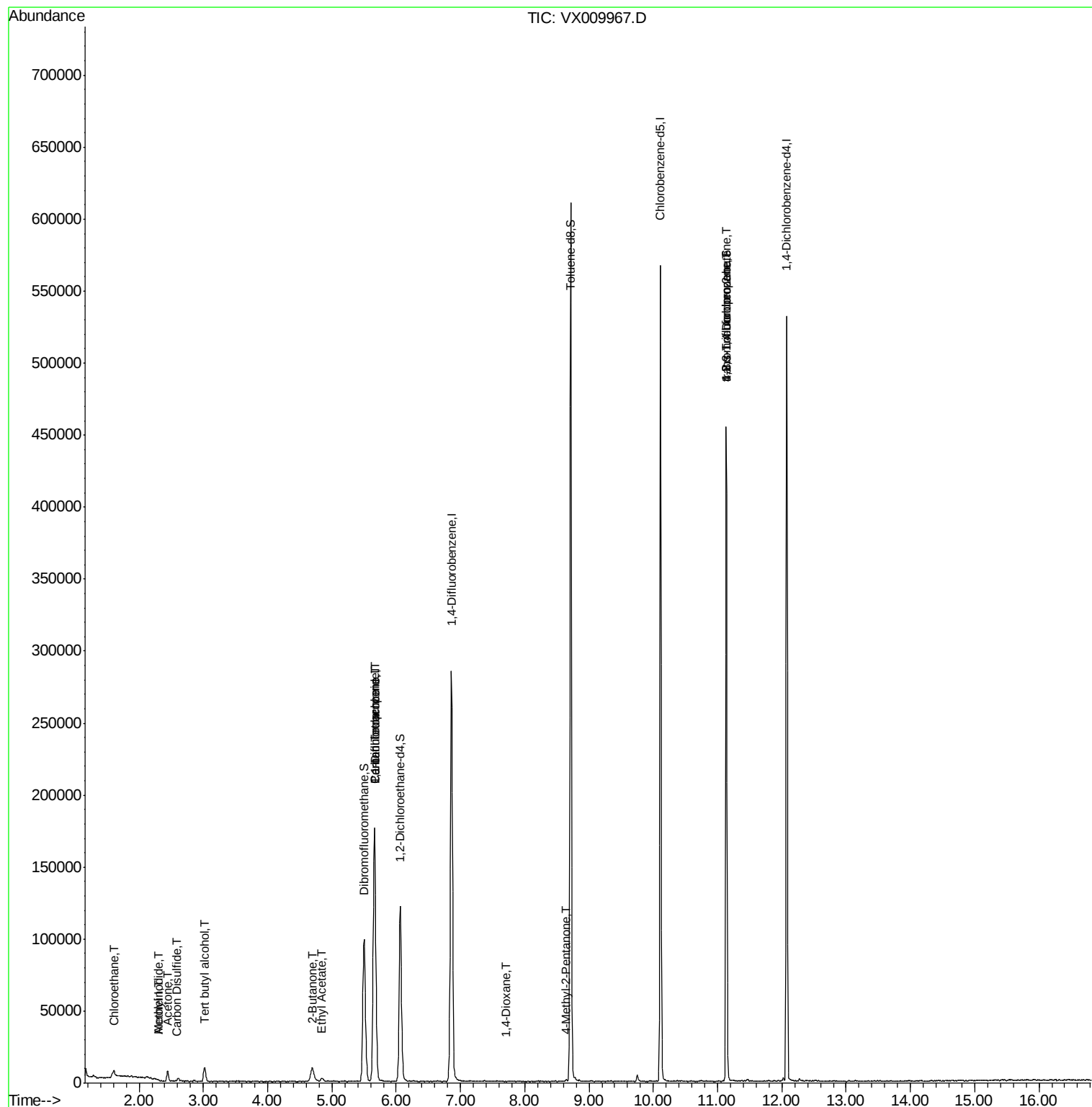
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	2416	1.558	ug/l #	60
10) Methyl Iodide	2.29	142	19	4.665	ug/l #	42
11) Tert butyl alcohol	3.03	59	6252	10.570	ug/l #	74
13) Acrolein	2.30	56	50	21.206	ug/l #	1
16) Acetone	2.45	43	8233	5.929	ug/l	98
17) Carbon Disulfide	2.58	76	534	0.486	ug/l #	76
25) 2-Butanone	4.69	43	5739	2.653	ug/l	92
36) 1,1-Dichloropropene	5.66	75	13887	5.006	ug/l #	51
37) Ethyl Acetate	4.84	43	3631	0.939	ug/l #	87
38) Carbon Tetrachloride	5.66	117	15532	6.480	ug/l #	16
49) 1,4-Dioxane	7.71	88	39	0.679	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1105	0.272	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	60024	23.343	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60024	57.754	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
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: VX009967.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

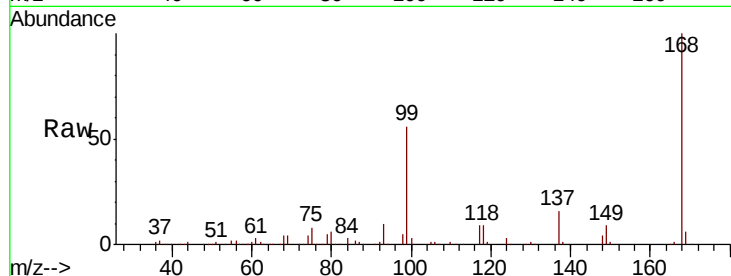
13908

Tot Ion:168 Resp: 170144

Ion Ratio Lower Upper

168 100

99 55.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

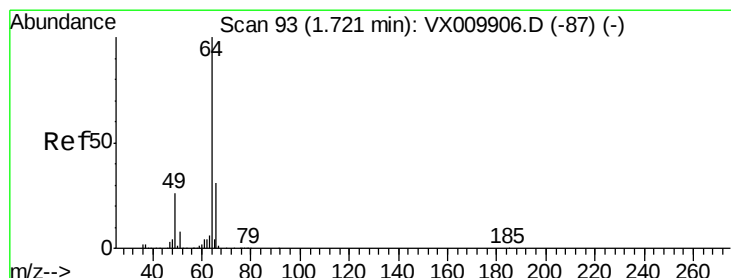
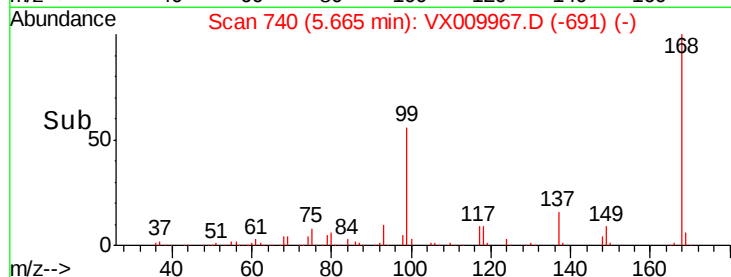
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 1.558 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX009967.D

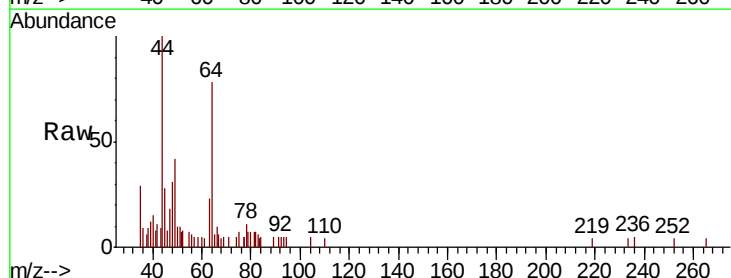
Acq: 30 May 2019 17:48

Tgt Ion: 64 Resp: 2416

Ion Ratio Lower Upper

64 100

66 9.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.61

1200

1000

800

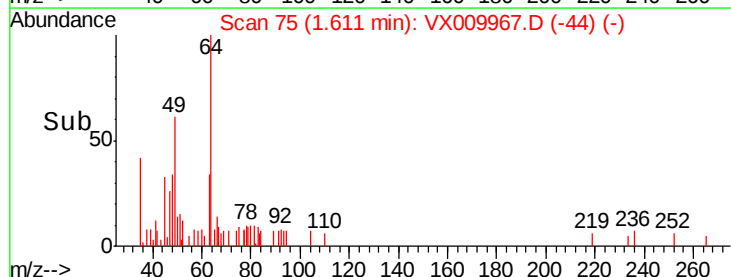
600

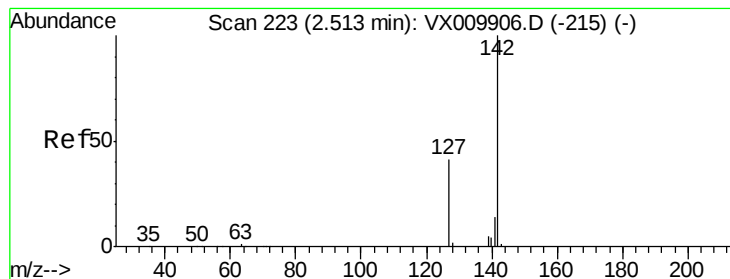
400

200

0

Time--> 1.50 1.55 1.60 1.65





#10

Methvl Iodide

Concen: 4.665 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.22 min

Lab File: VX009967.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

13908

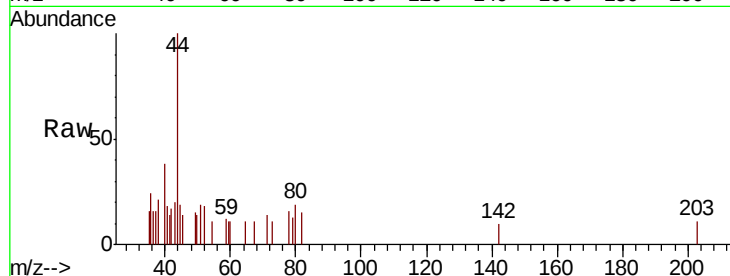
Tot Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

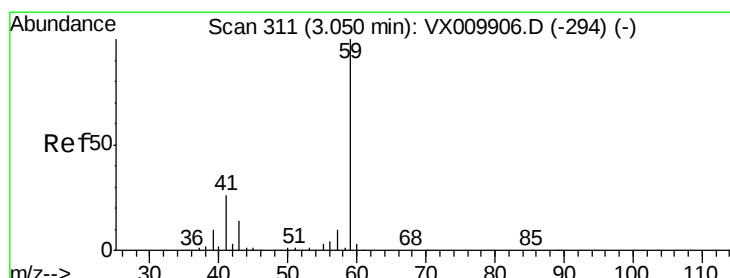
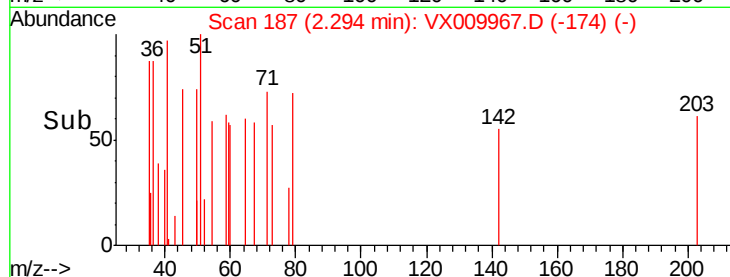
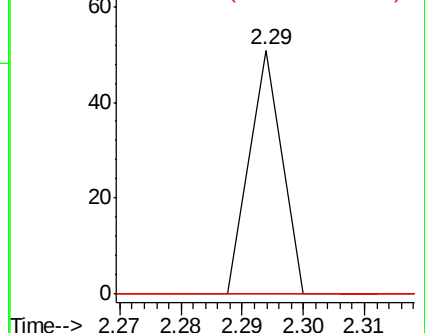
141 0.0 11.4 17.0#



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: 10.570 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009967.D

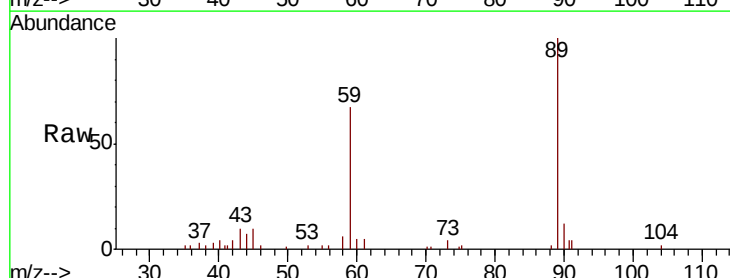
Acq: 30 May 2019 17:48

Tgt Ion: 59 Resp: 6252

Ion Ratio Lower Upper

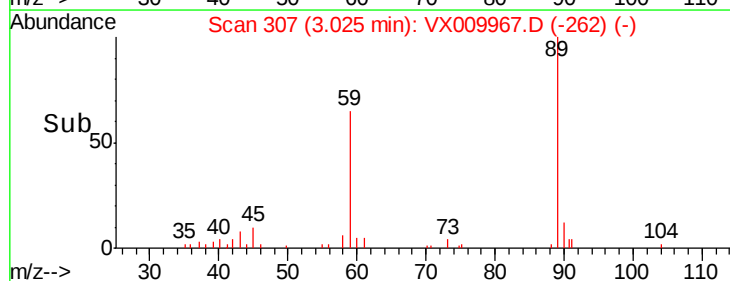
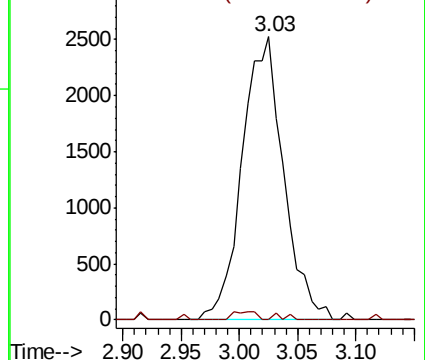
59 100

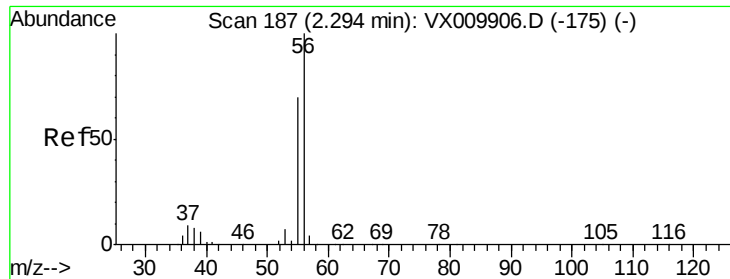
57 0.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 21.206 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009967.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_X

ClientSampled :

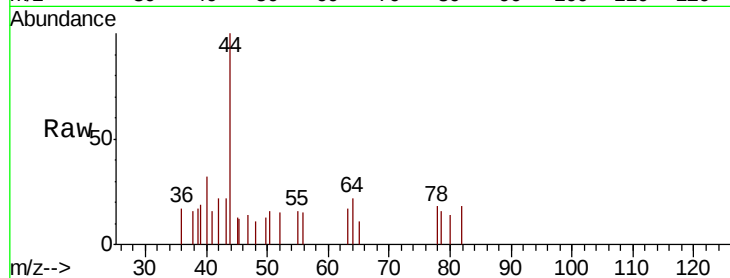
13908

Tot Ion: 56 Resp: 50

Ion Ratio Lower Upper

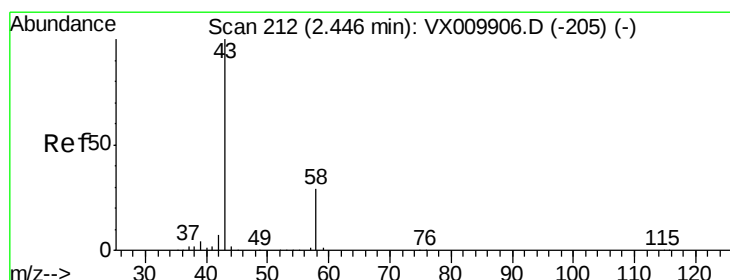
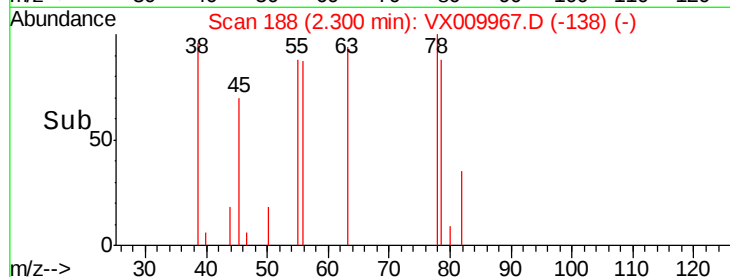
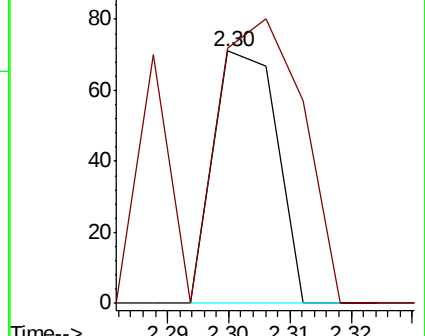
56 100

55 204.0 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: 5.929 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009967.D

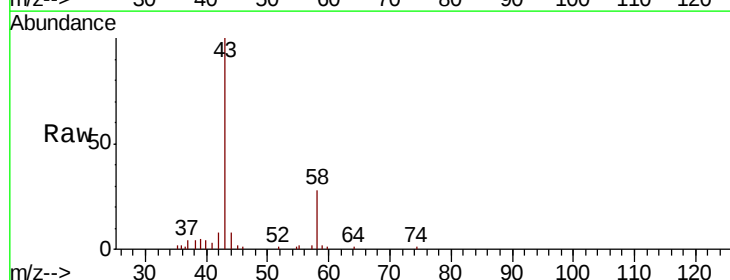
Acq: 30 May 2019 17:48

Tgt Ion: 43 Resp: 8233

Ion Ratio Lower Upper

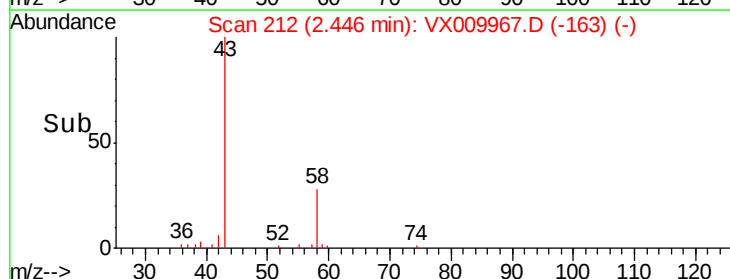
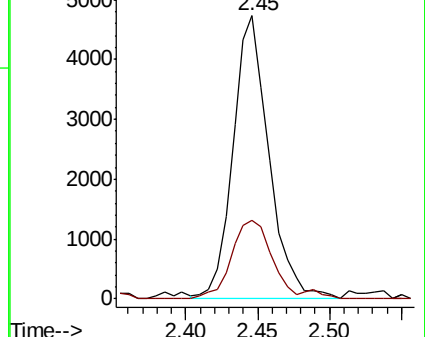
43 100

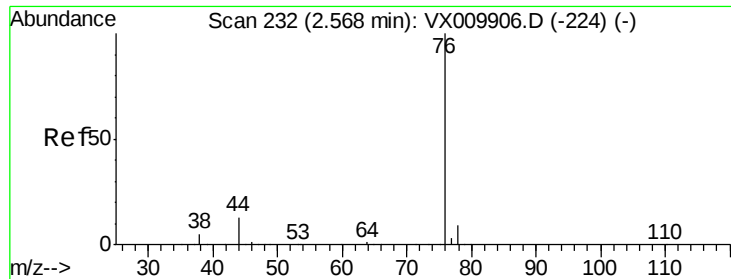
58 27.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.486 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX009967.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_X

ClientSampled :

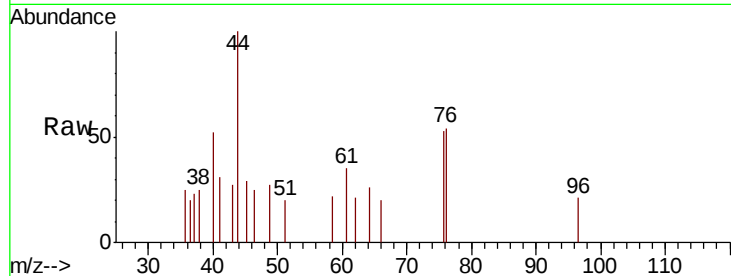
13908

Tot Ion: 76 Resp: 534

Ion Ratio Lower Upper

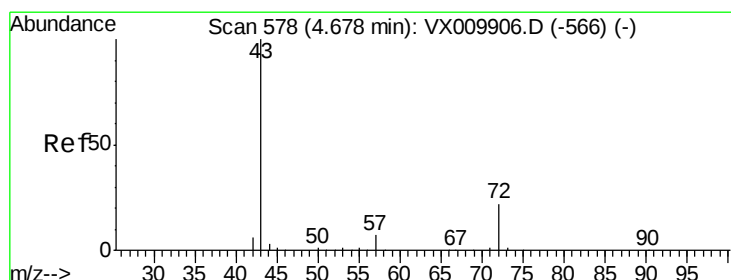
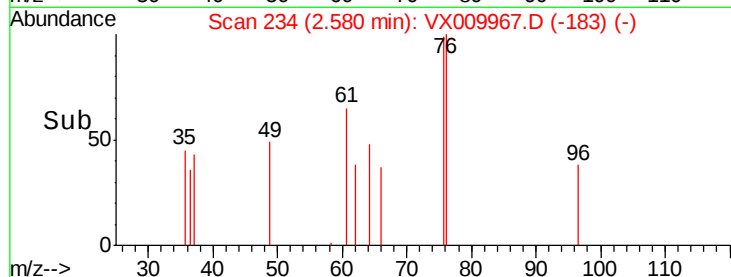
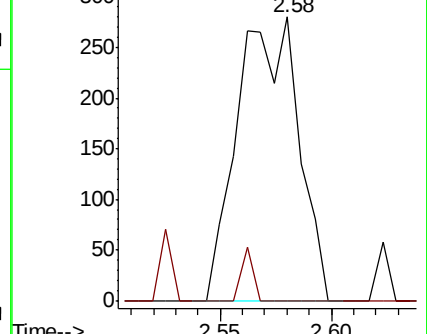
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 2.653 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX009967.D

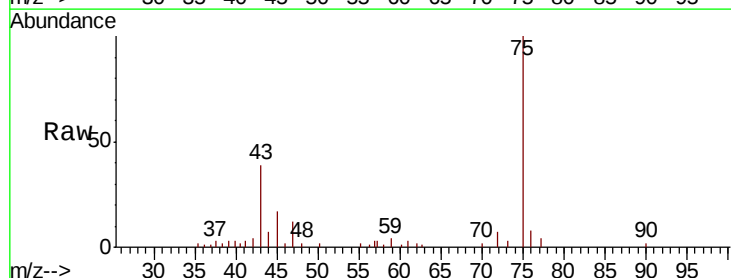
Acq: 30 May 2019 17:48

Tgt Ion: 43 Resp: 5739

Ion Ratio Lower Upper

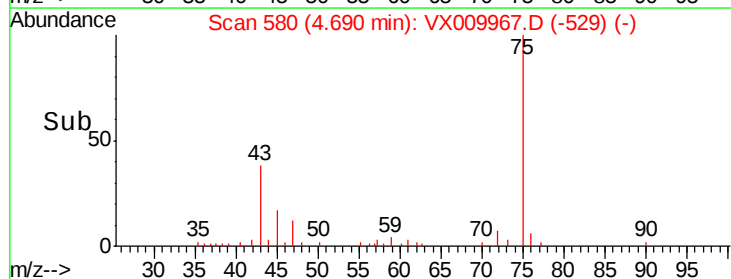
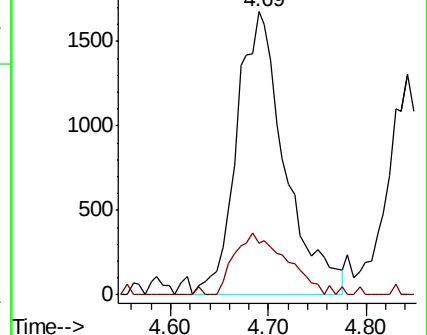
43 100

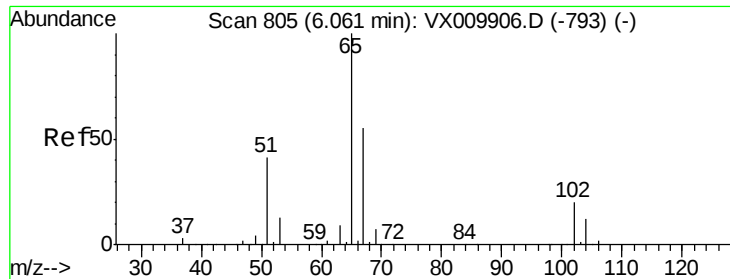
72 18.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

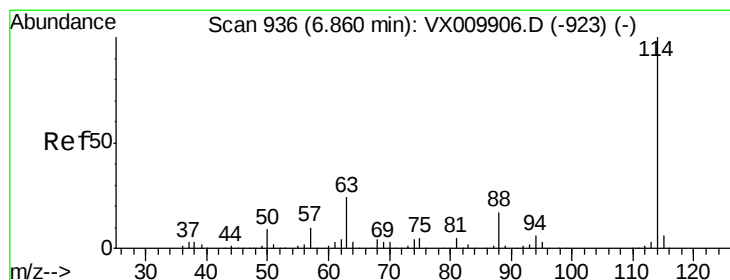
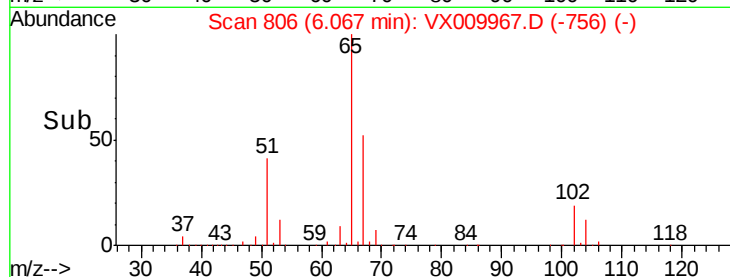
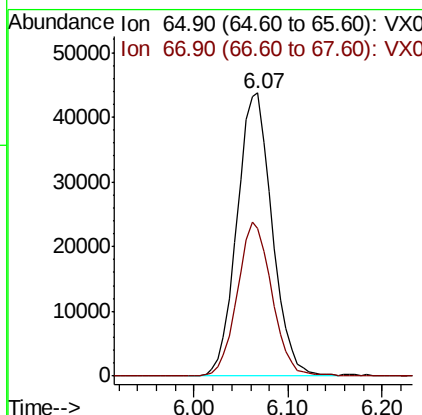
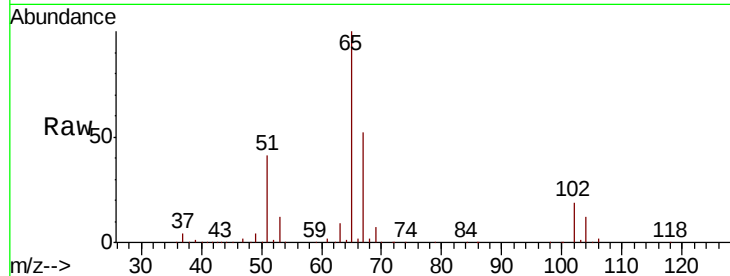




#33
 1,2-Dichloroethane-d4
 Concen: 47.551 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009967.D
 Acq: 30 May 2019 17:48

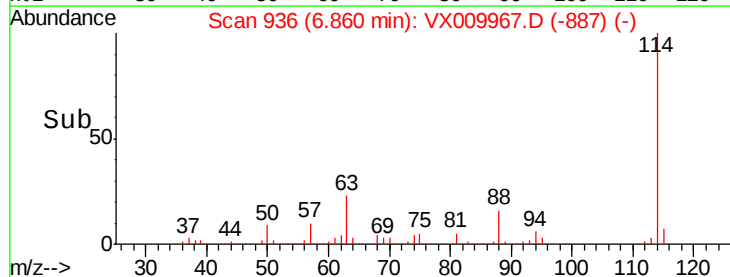
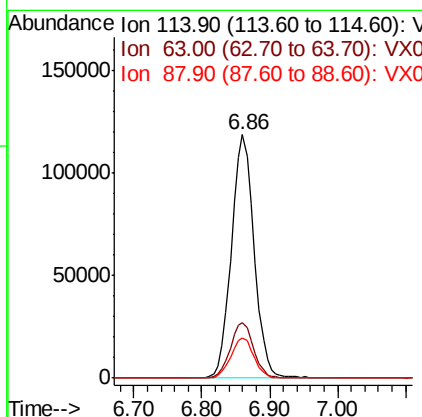
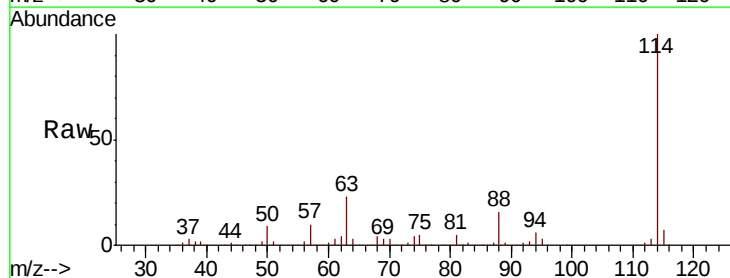
Instrument :
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 ClientSampleId :
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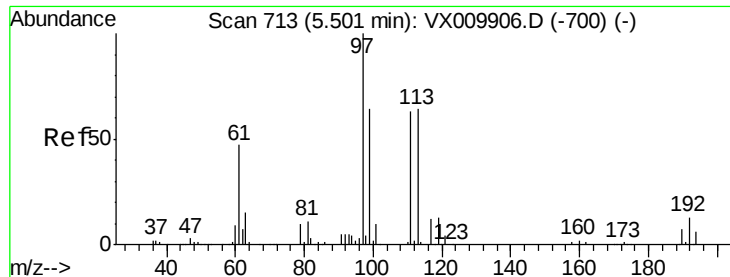
Tot Ion: 65 Resp: 114285
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009967.D
 Acq: 30 May 2019 17:48

Tgt Ion: 114 Resp: 273398
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.4
 88 16.5 0.0 33.0

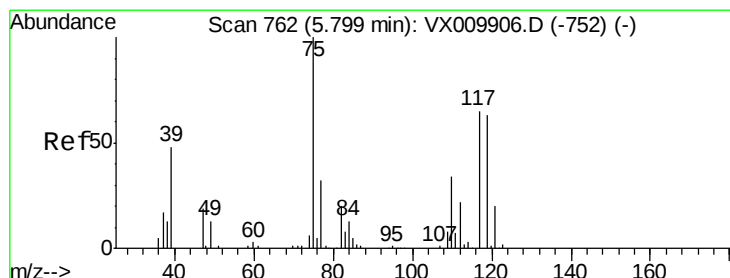
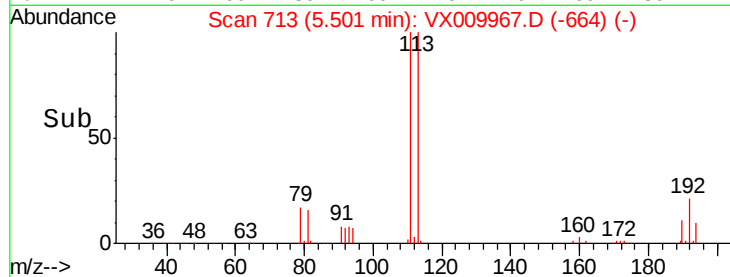
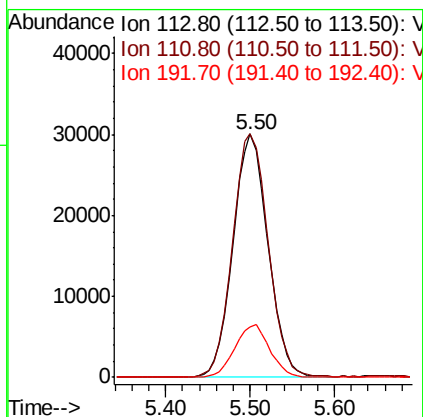
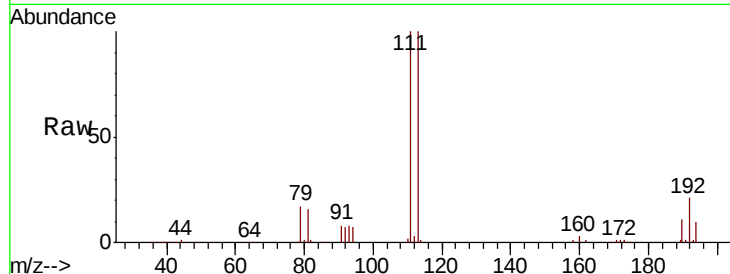




#35
 Dibromofluoromethane
 Concen: 49.133 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009967.D
 Acq: 30 May 2019 17:48

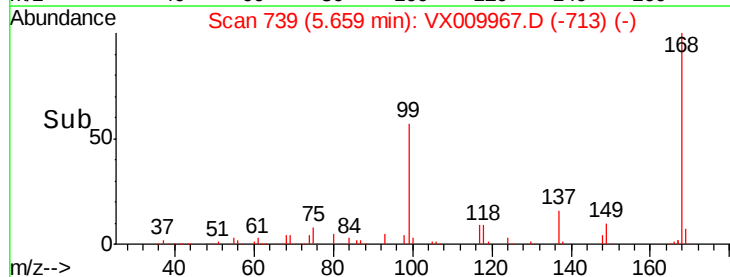
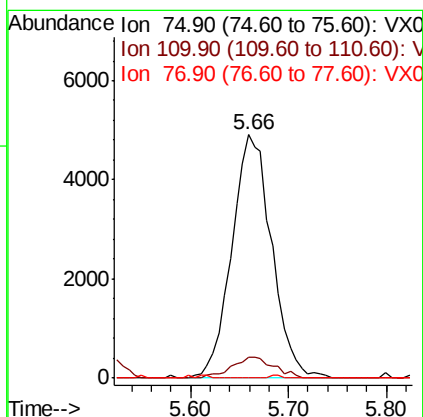
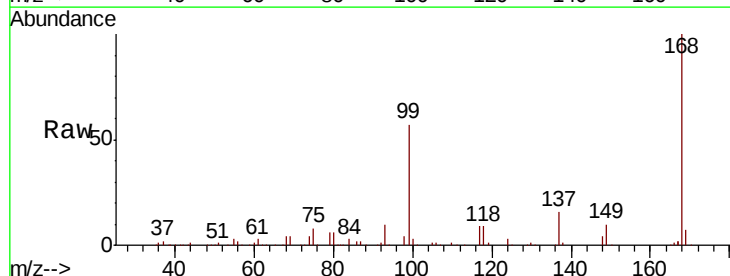
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 ClientSampleId :
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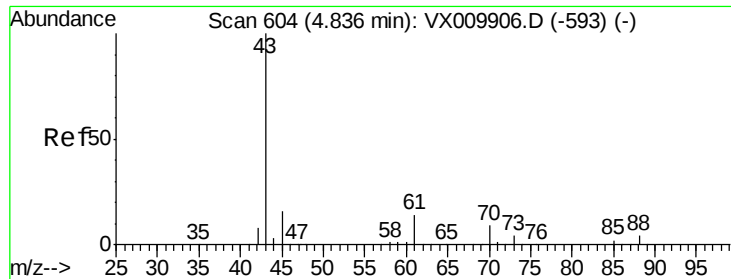
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	21.4	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009967.D
 Acq: 30 May 2019 17:48

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

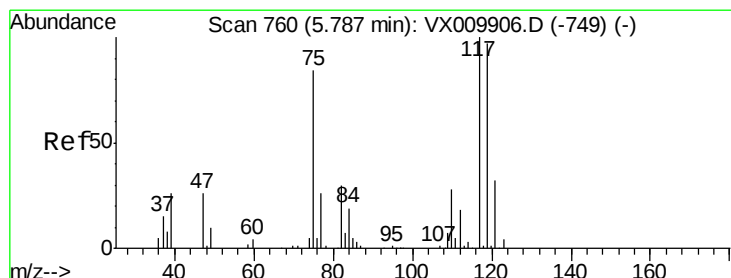
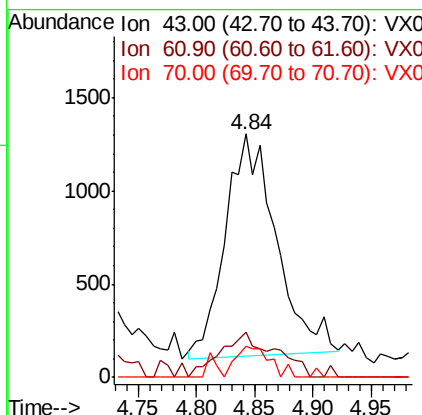
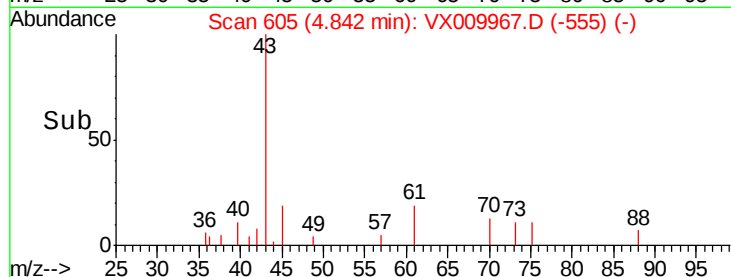
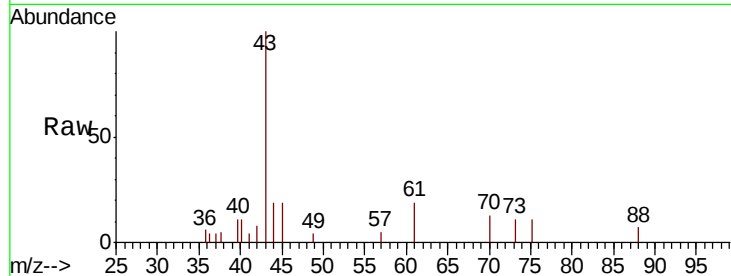




#37
Ethyl Acetate
Concen: 0.939 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX009967.D
Acq: 30 May 2019 17:48

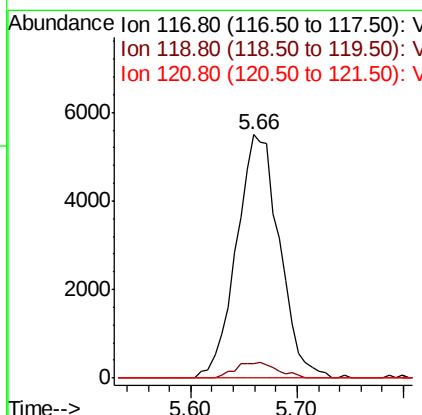
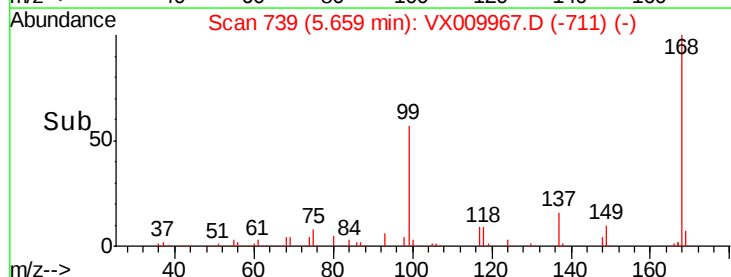
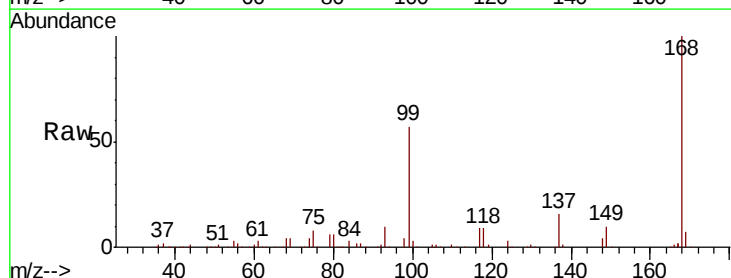
Instrument :
MSVOA_X
ClientSampleId :
13908

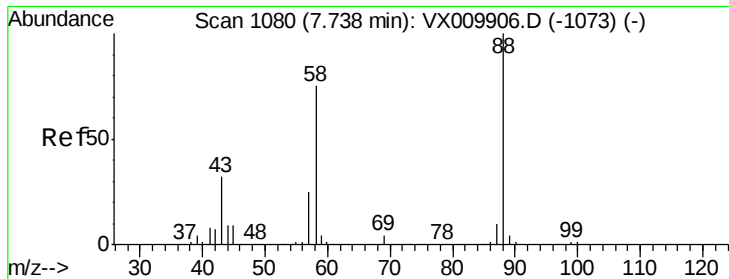
Tot Ion: 43 Resp: 3631
Ion Ratio Lower Upper
43 100
61 21.4 10.2 15.2#
70 9.5 7.4 11.2



#38
Carbon Tetrachloride
Concen: 6.480 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX009967.D
Acq: 30 May 2019 17:48

Tgt Ion: 117 Resp: 15532
Ion Ratio Lower Upper
117 100
119 5.8 77.3 115.9#
121 0.0 25.4 38.0#

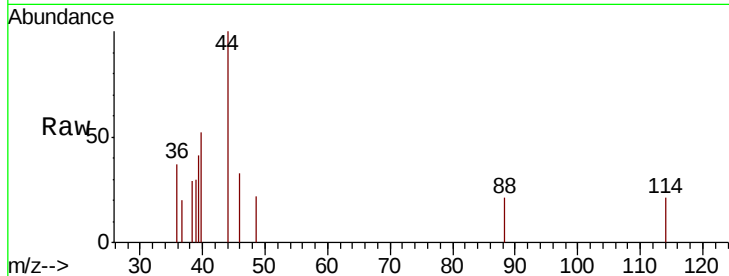




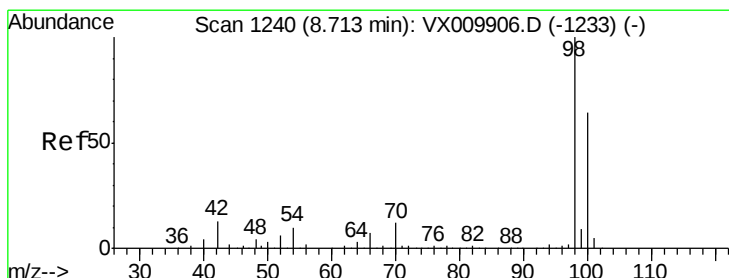
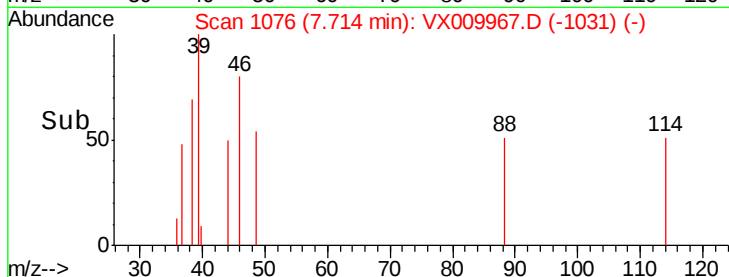
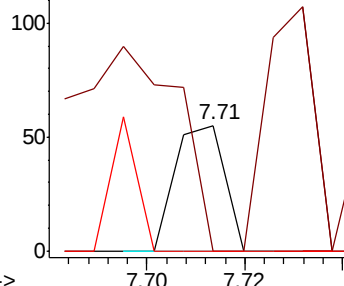
#49
1,4-Dioxane
Concen: 0.679 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX009967.D
Acq: 30 May 2019 17:48

Instrument :
MSVOA_X
ClientSampled :
13908

Tot Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 243.6 30.2 45.4#
58 0.0 64.0 96.0#

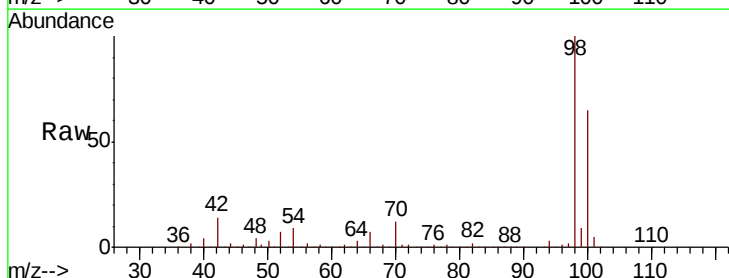


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

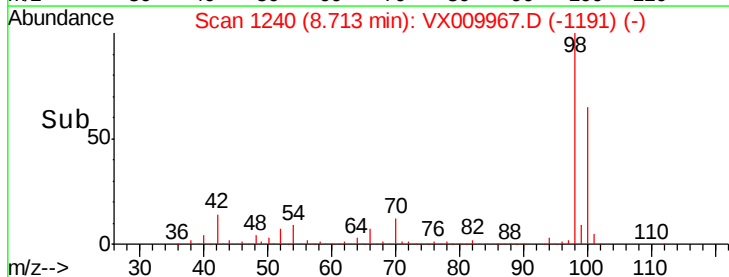
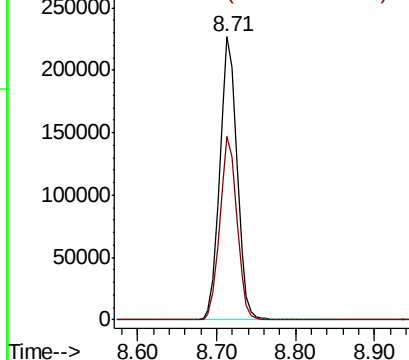


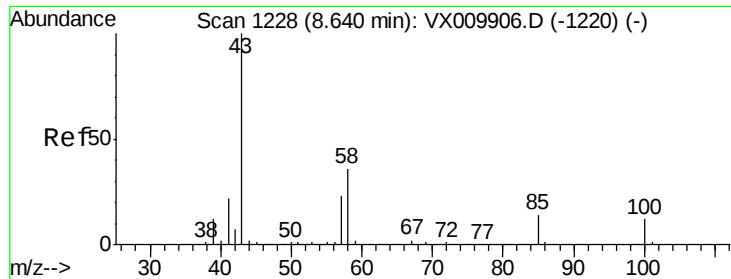
#50
Toluene-d8
Concen: 49.600 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009967.D
Acq: 30 May 2019 17:48

Tgt Ion: 98 Resp: 346203
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.272 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009967.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_X

ClientSampled :

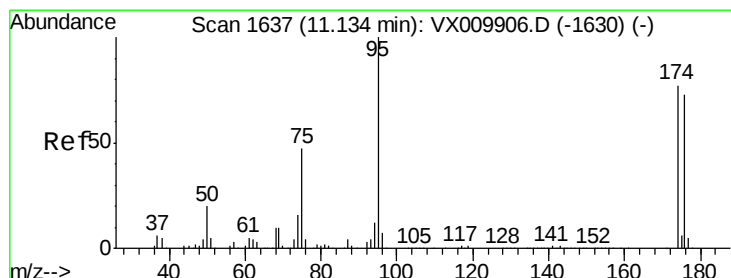
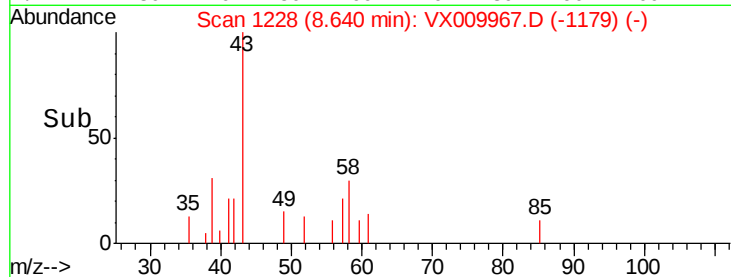
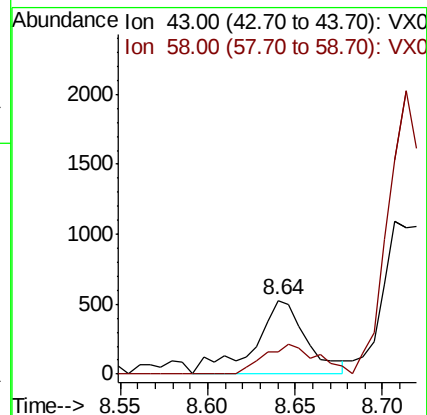
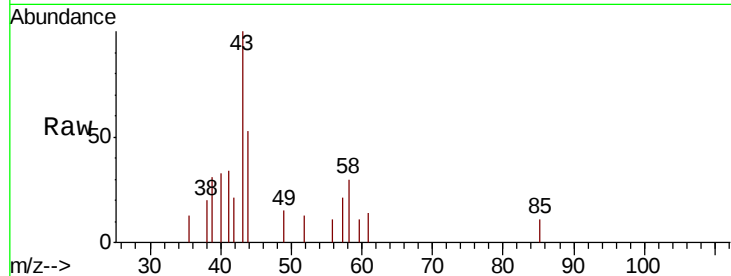
13908

Tot Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

58 41.9 28.8 43.2



#62

4-Bromofluorobenzene

Concen: 46.497 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009967.D

Acq: 30 May 2019 17:48

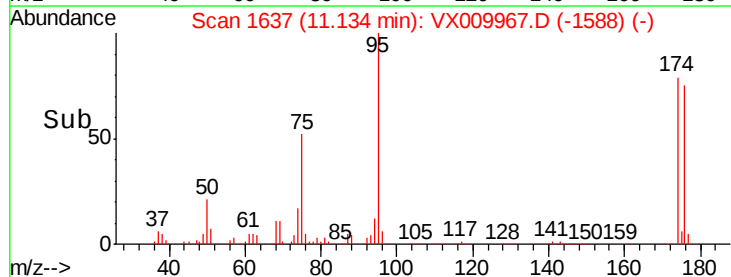
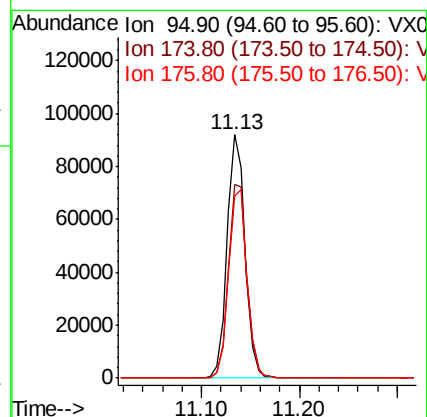
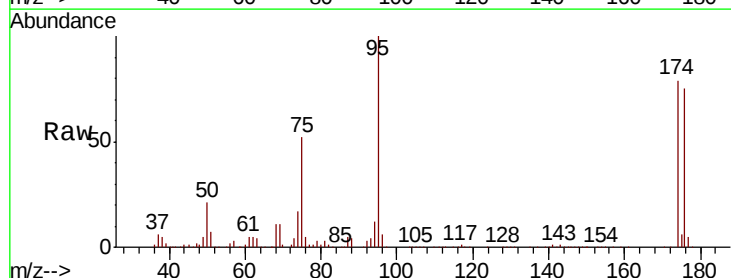
Tgt Ion: 95 Resp: 116572

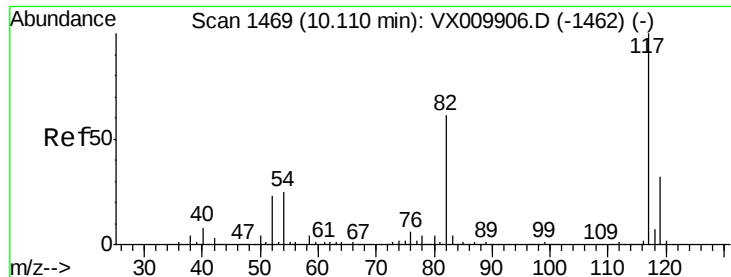
Ion Ratio Lower Upper

95 100

174 82.3 0.0 160.4

176 79.7 0.0 154.6

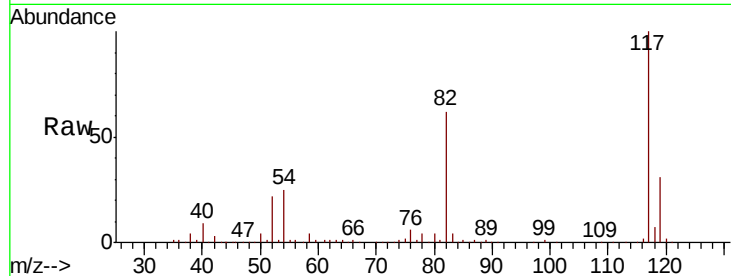




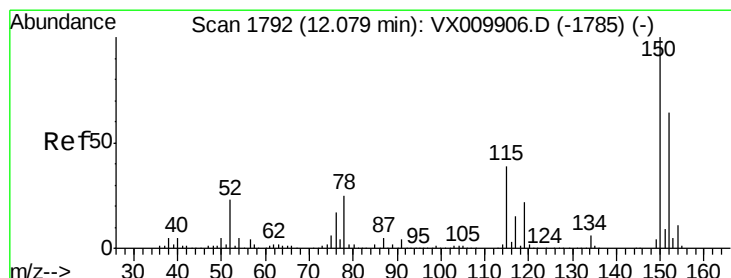
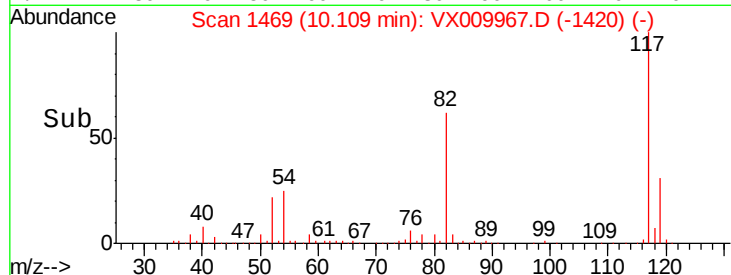
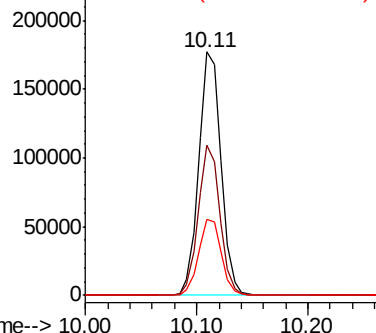
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009967.D
Acq: 30 May 2019 17:48

Instrument :
MSVOA_X
ClientSampled :
13908

Tot Ion:117 Resp: 244971
Ion Ratio Lower Upper
117 100
82 61.7 49.2 73.8
119 31.3 25.2 37.8

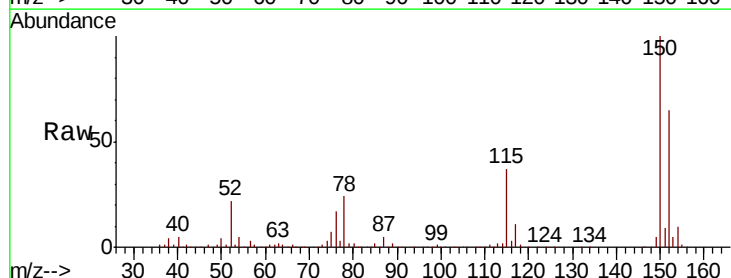


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

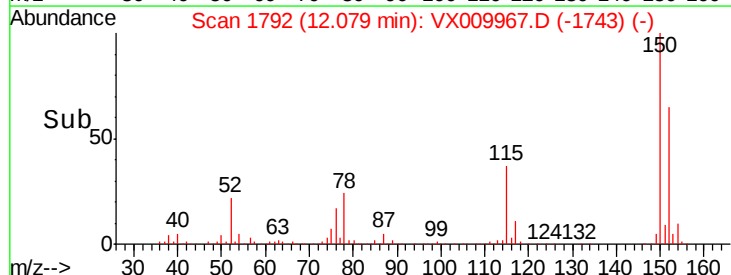
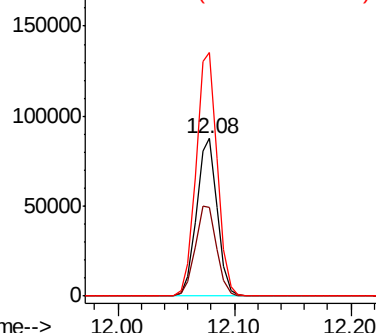


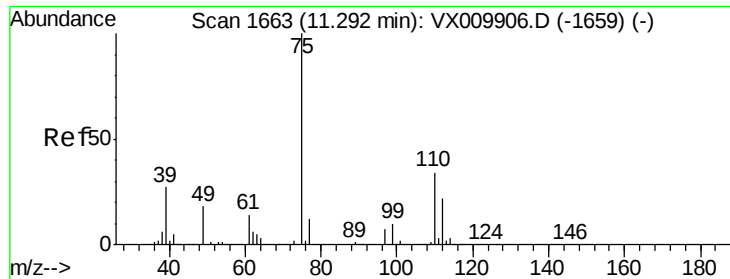
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009967.D
Acq: 30 May 2019 17:48

Tgt Ion:152 Resp: 107532
Ion Ratio Lower Upper
152 100
115 58.8 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: 23.343 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009967.D

Acq: 30 May 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

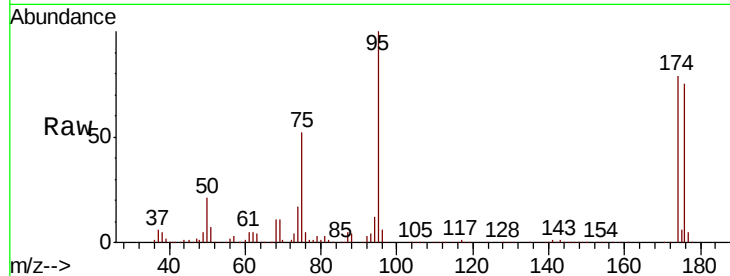
13908

Tot Ion: 75 Resp: 60024

Ion Ratio Lower Upper

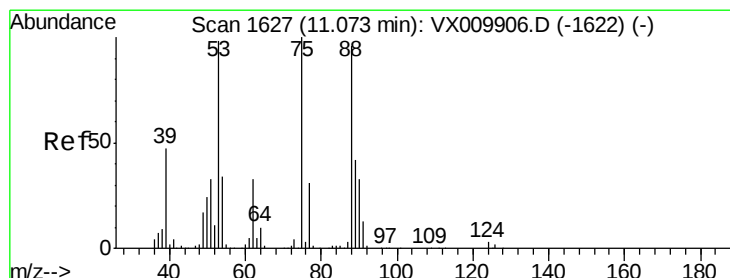
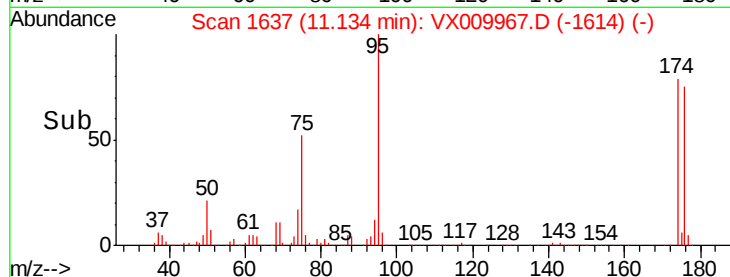
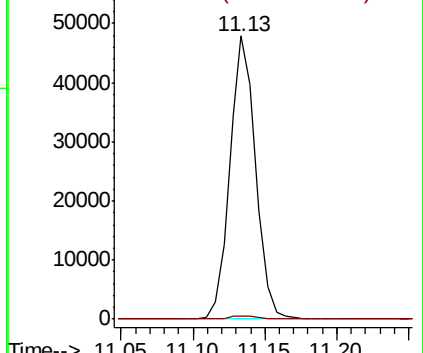
75 100

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: 57.754 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009967.D

Acq: 30 May 2019 17:48

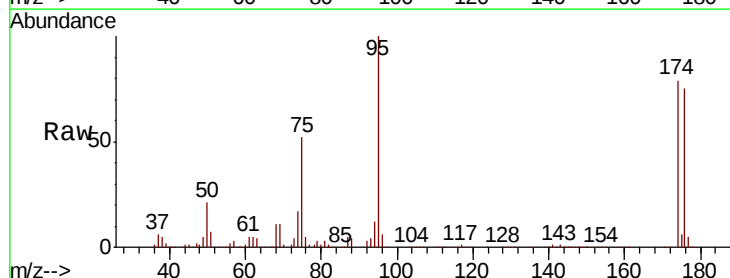
Tgt Ion: 75 Resp: 60024

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

