

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005765.D
 Acq On : 02 Nov 2018 19:11
 Operator : JC/MD
 Sample : J5776-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NJ-WHITE

Quant Time: Nov 03 01:29:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

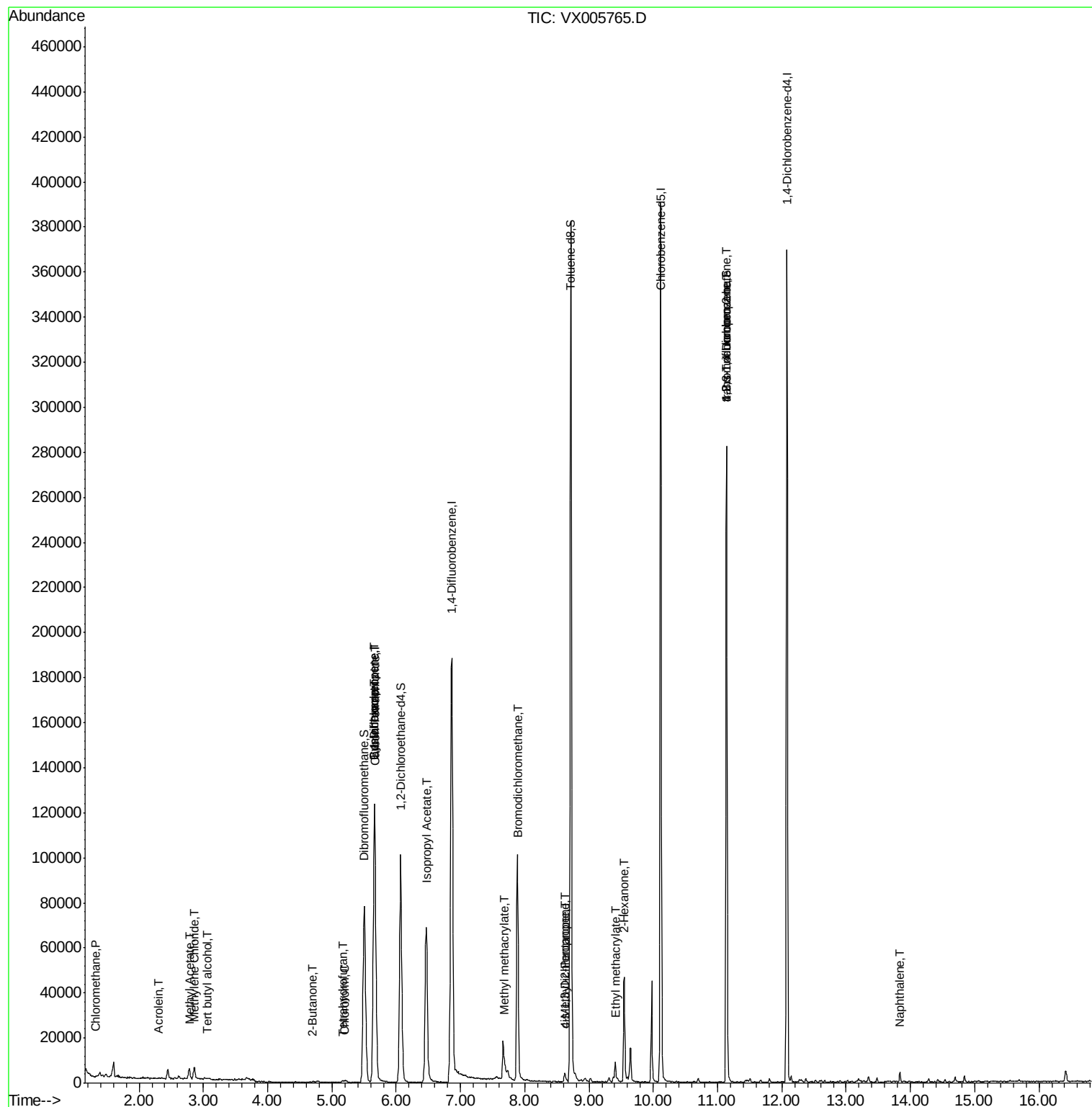
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	110097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	193501	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	166889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	70116	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	88642	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
35) Dibromofluoromethane	5.50	113	66090	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	8.72	98	230765	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	71077	40.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.96%	
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	308	0.205	ug/l #	55
6) Chloroethane	1.67	64	41	Below Cal	#	42
11) Tert butyl alcohol	3.07	59	683	1.562	ug/l #	82
13) Acrolein	2.31	56	19	12.241	ug/l #	1
16) Acetone	2.45	43	4348	Below Cal		94
18) Methyl Acetate	2.78	43	6425	2.781	ug/l	97
20) Methylene Chloride	2.85	84	2165	1.560	ug/l	93
25) 2-Butanone	4.70	43	888	0.654	ug/l	94
29) Tetrahydrofuran	5.17	42	570	0.688	ug/l #	39
30) Chloroform	5.21	83	538	0.214	ug/l	100
31) Cyclohexane	5.67	56	2796	1.300	ug/l #	8
36) 1,1-Dichloropropene	5.66	75	9683	4.697	ug/l #	49
38) Carbon Tetrachloride	5.67	117	11014	5.913	ug/l #	16
43) Isopropyl Acetate	6.47	43	92070	24.118	ug/l	98
47) Bromodichloromethane	7.90	83	388	0.206	ug/l #	80
48) Methyl methacrylate	7.69	41	4144	2.243	ug/l #	26
51) 4-Methyl-2-Pentanone	8.62	43	1677	0.644	ug/l #	46
54) cis-1,3-Dichloropropene	8.63	75	447	0.204	ug/l #	62
56) Ethyl methacrylate	9.41	69	272	2.577	ug/l #	1
59) 2-Hexanone	9.55	43	5182	2.446	ug/l	64
76) 1,2,3-Trichloropropane	11.14	75	36763	21.052	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	36763	68.017	ug/l #	9
95) Naphthalene	13.83	128	2688	0.550	ug/l	97

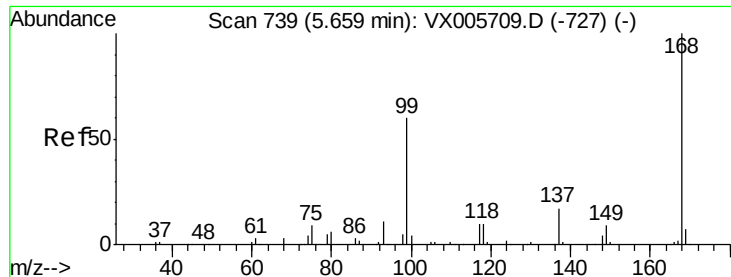
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

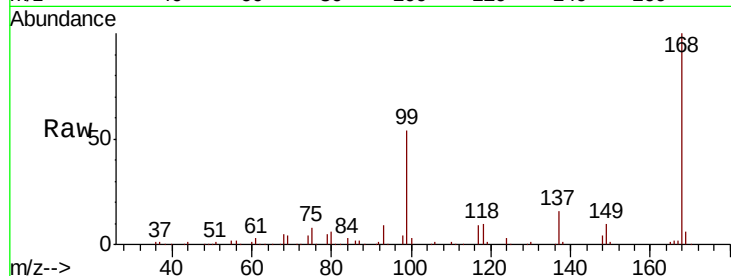
NJ-WHITE

Tot Ion:168 Resp: 110097

Ion Ratio Lower Upper

168 100

99 53.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

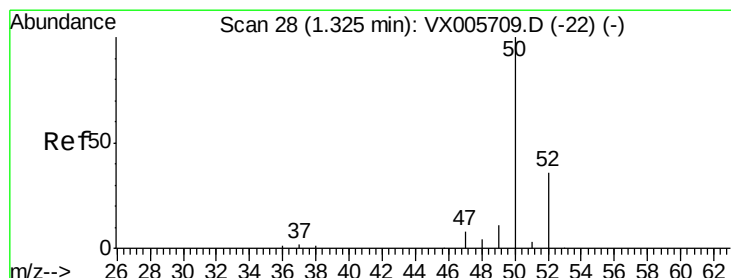
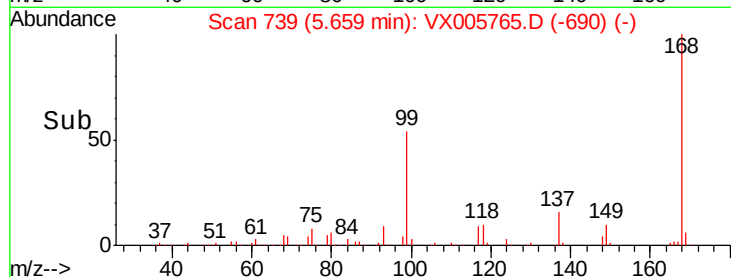
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005765.D

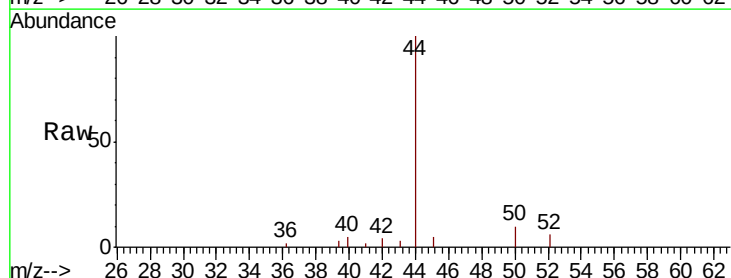
Acq: 02 Nov 2018 19:11

Tgt Ion: 50 Resp: 308

Ion Ratio Lower Upper

50 100

52 57.8 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

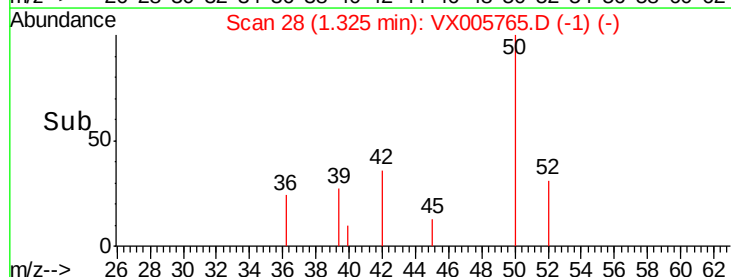
150

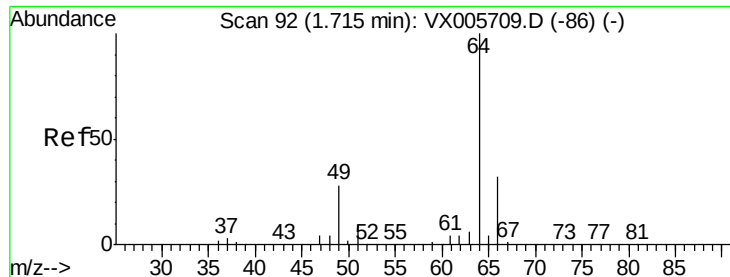
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

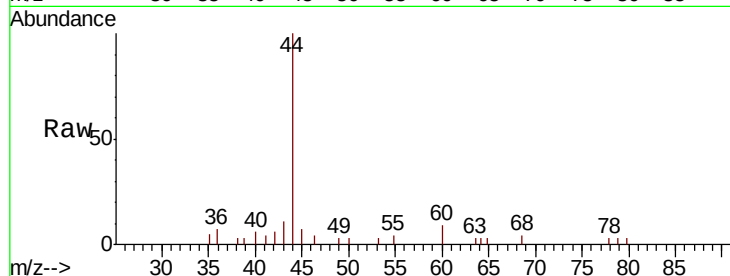
NJ-WHITE

Tot Ion: 64 Resp: 41

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

120

100

80

60

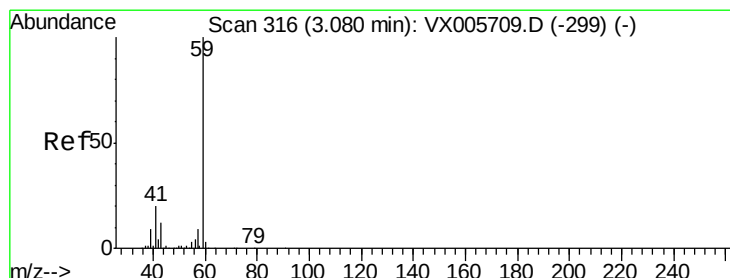
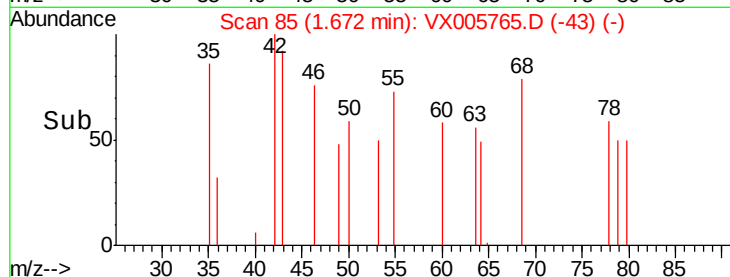
40

20

0

1.65 1.66 1.67 1.68 1.69

Time-->



#11

Tert butyl alcohol

Concen: 1.562 ug/l

RT: 3.07 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX005765.D

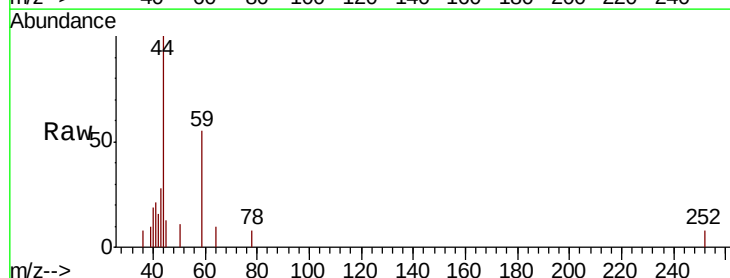
Acq: 02 Nov 2018 19:11

Tgt Ion: 59 Resp: 683

Ion Ratio Lower Upper

59 100

57 3.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

400

300

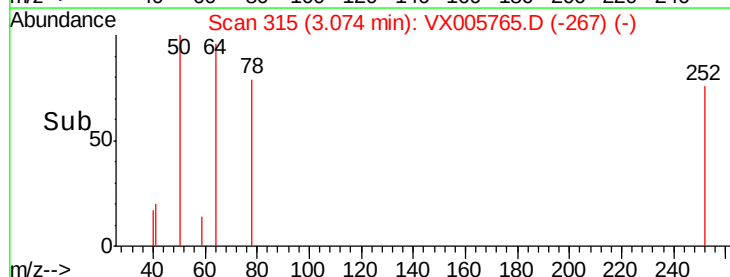
200

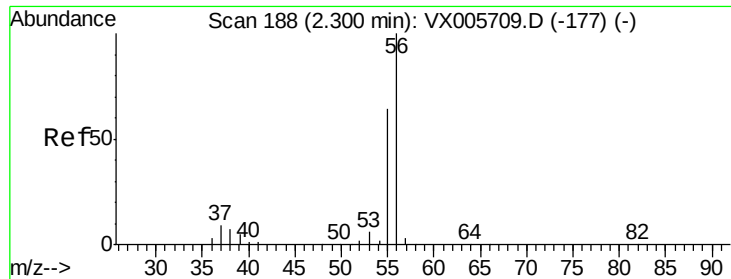
100

0

3.05 3.10

Time-->





#13

Acrolein

Concen: 12.241 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

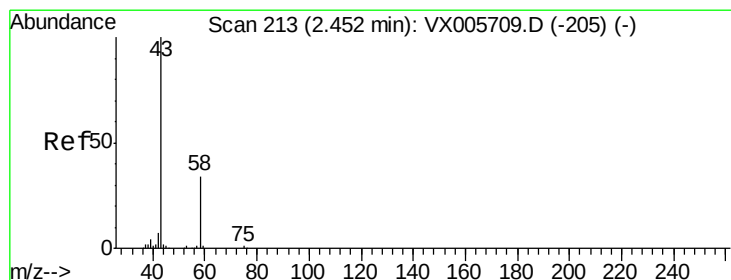
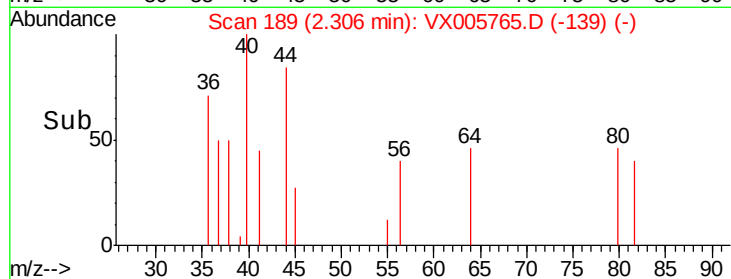
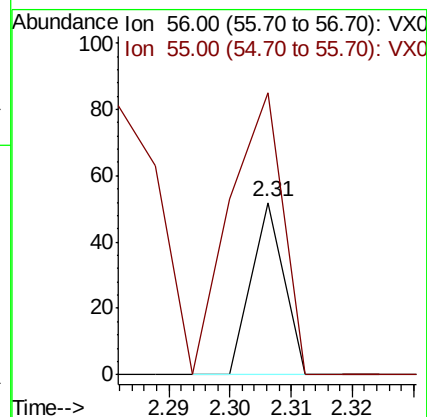
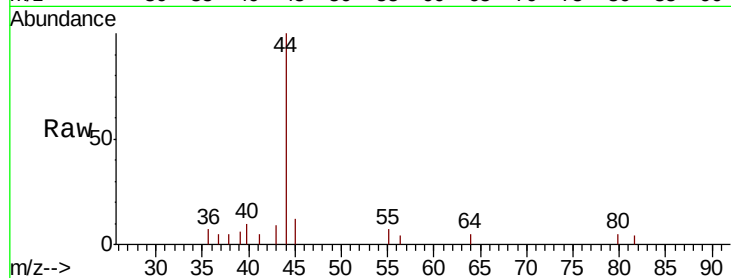
NJ-WHITE

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 263.2 57.3 85.9#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005765.D

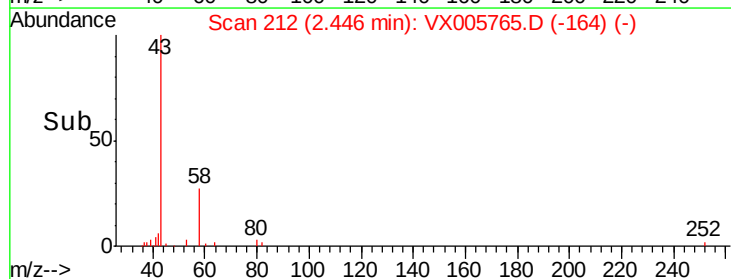
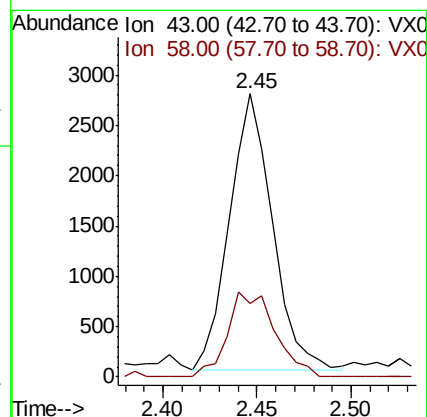
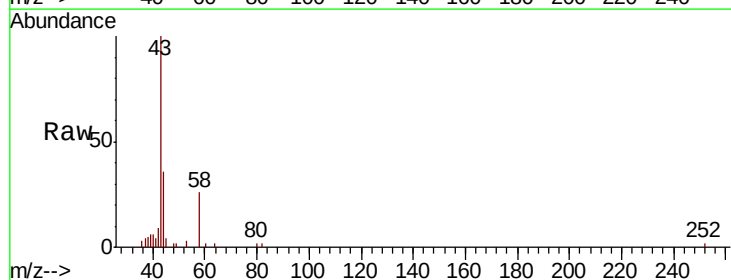
Acq: 02 Nov 2018 19:11

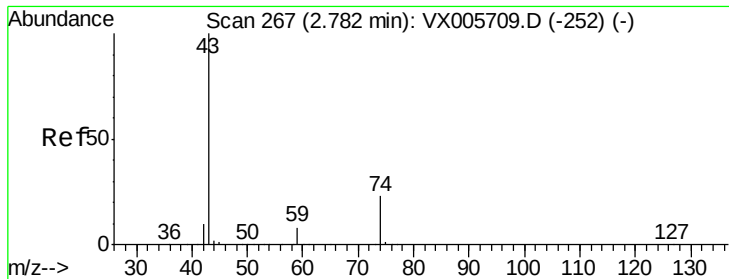
Tgt Ion: 43 Resp: 4348

Ion Ratio Lower Upper

43 100

58 26.4 23.8 35.6

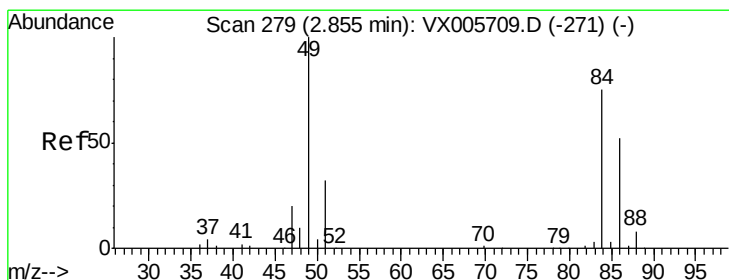
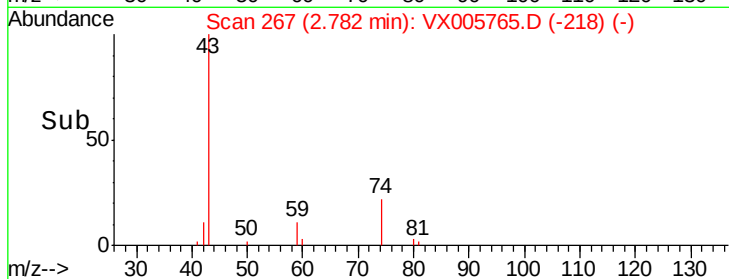
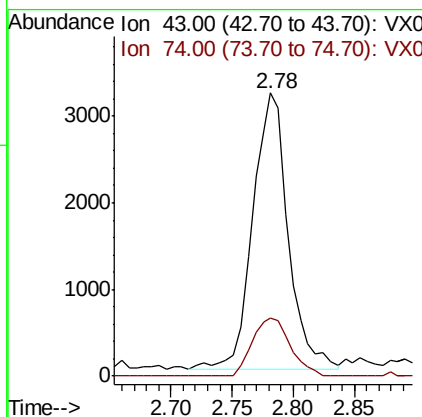
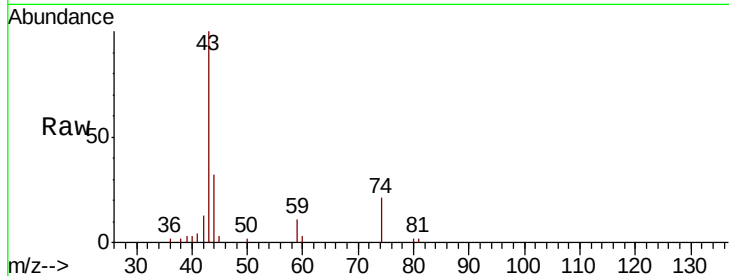




#18
Methyl Acetate
Concen: 2.781 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

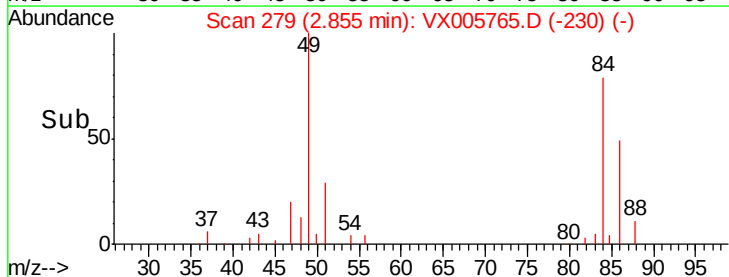
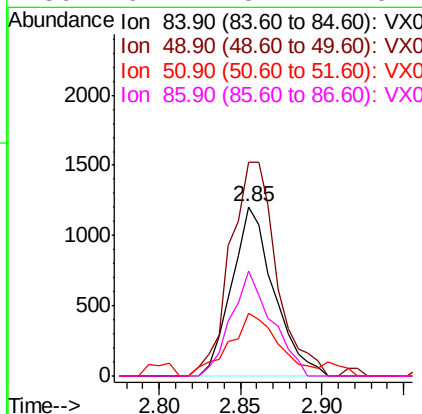
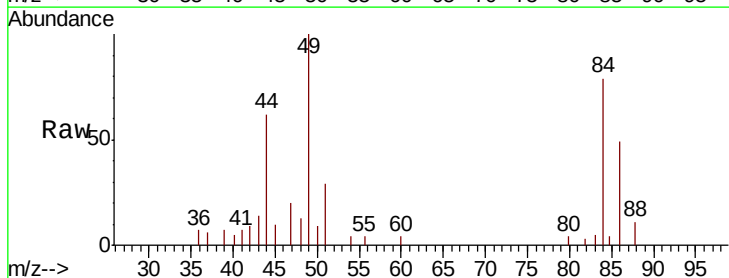
Instrument :
MSVOA_X
ClientSampleId :
NJ-WHITE

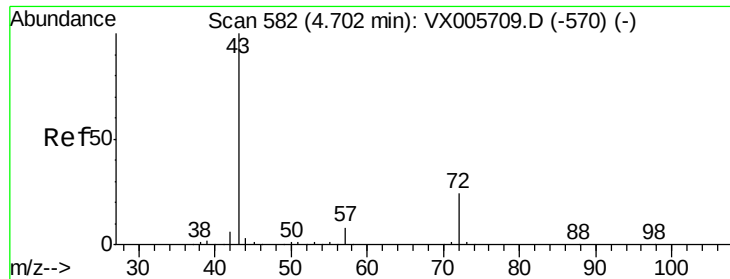
Tot Ion: 43 Resp: 6425
Ion Ratio Lower Upper
43 100
74 22.5 16.8 25.2



#20
Methylene Chloride
Concen: 1.560 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

Tgt Ion: 84 Resp: 2165
Ion Ratio Lower Upper
84 100
49 126.2 109.5 164.3
51 37.0 33.3 49.9
86 62.2 52.7 79.1





#25

2-Butanone

Concen: 0.654 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampled :

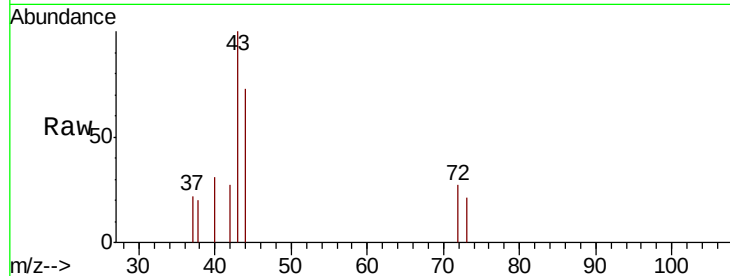
NJ-WHITE

Tot Ion: 43 Resp: 888

Ion Ratio Lower Upper

43 100

72 26.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

300

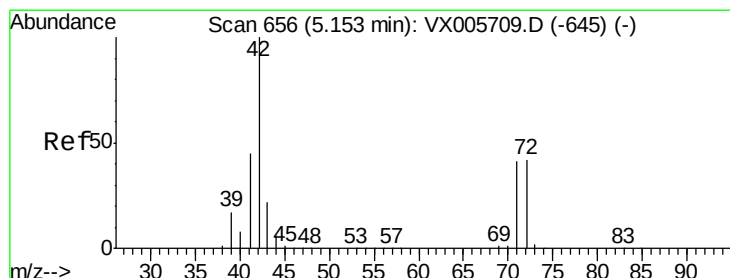
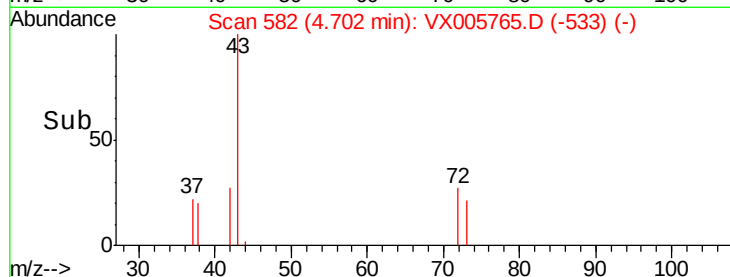
200

100

0

4.65 4.70 4.75

Time-->



#29

Tetrahydrofuran

Concen: 0.688 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

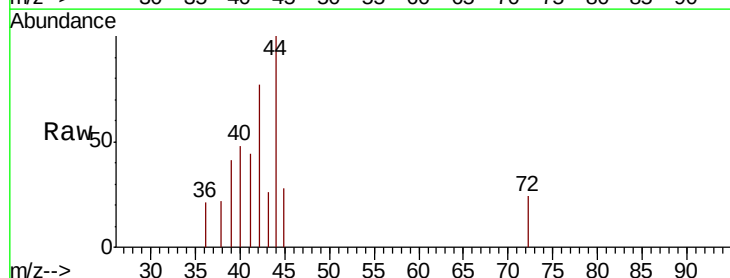
Tgt Ion: 42 Resp: 570

Ion Ratio Lower Upper

42 100

72 3.7 32.0 48.0#

71 0.0 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

250

200

150

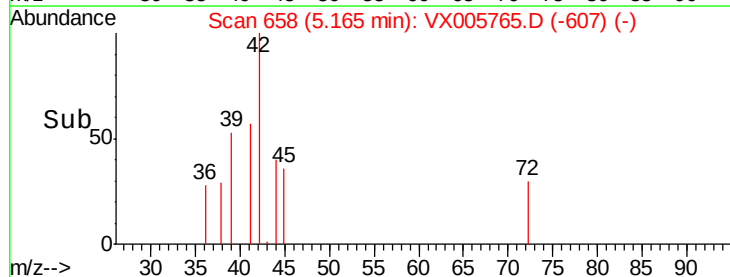
100

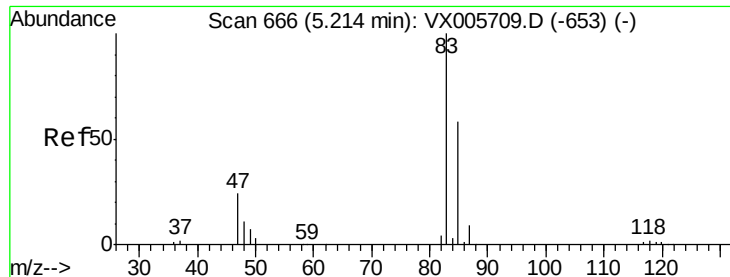
50

0

5.10 5.15 5.20 5.25

Time-->

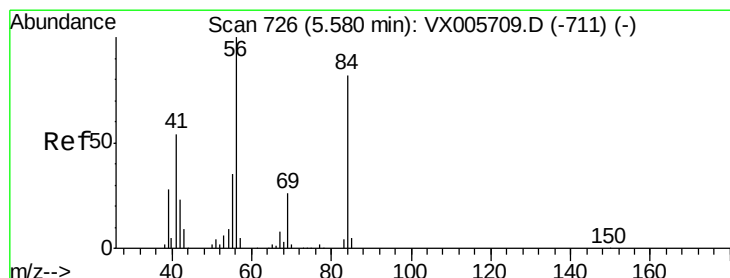
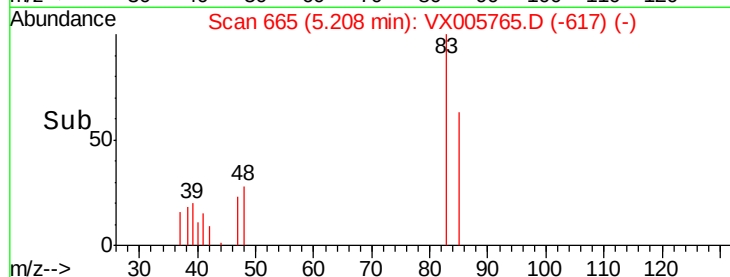
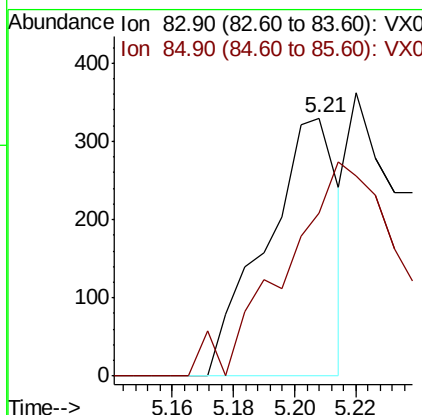
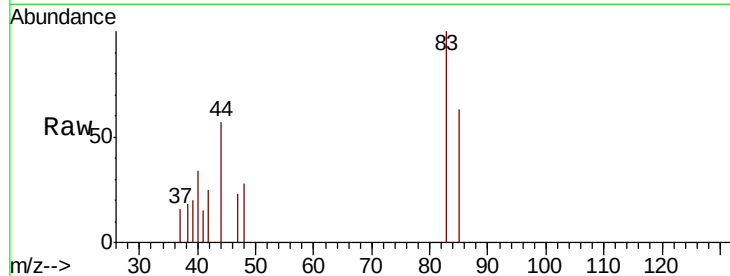




#30
Chloroform
Concen: 0.214 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

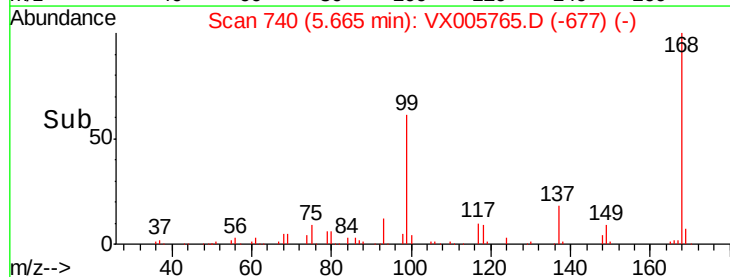
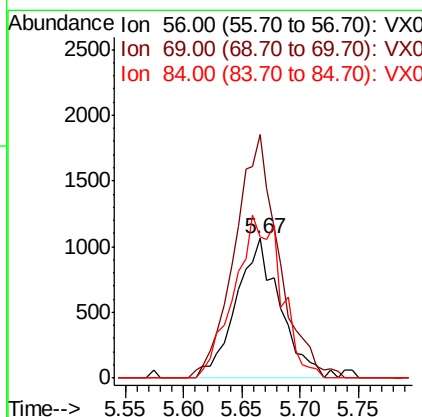
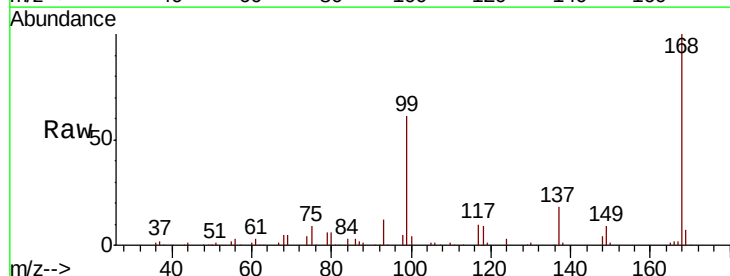
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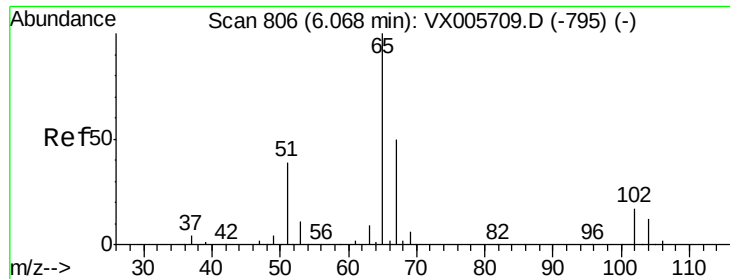
Tot Ion: 83 Resp: 538
Ion Ratio Lower Upper
83 100
85 63.3 50.6 76.0



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

Tgt Ion: 56 Resp: 2796
Ion Ratio Lower Upper
56 100
69 174.4 22.6 34.0#
84 100.9 62.7 94.1#

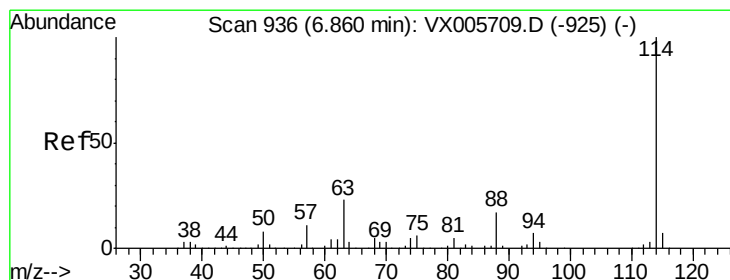
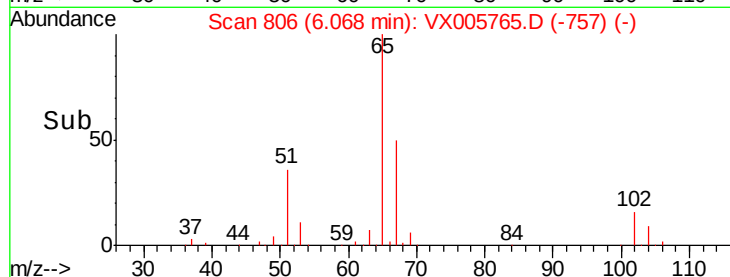
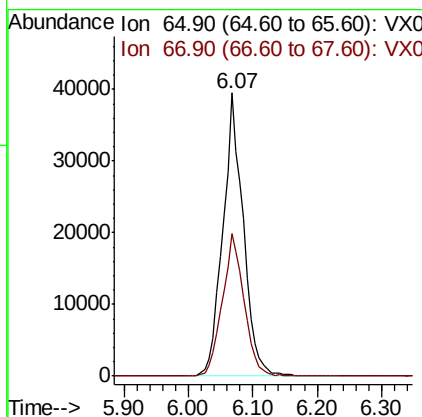
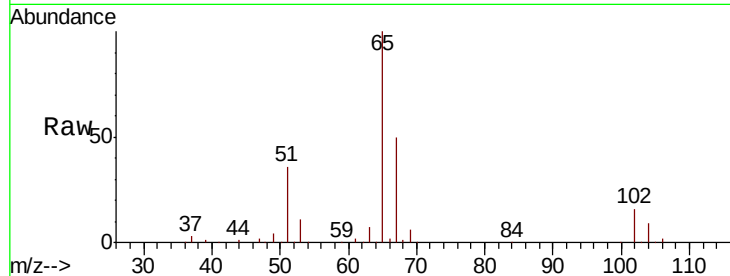




#33
 1,2-Dichloroethane-d4
 Concen: 55.069 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005765.D
 Acq: 02 Nov 2018 19:11

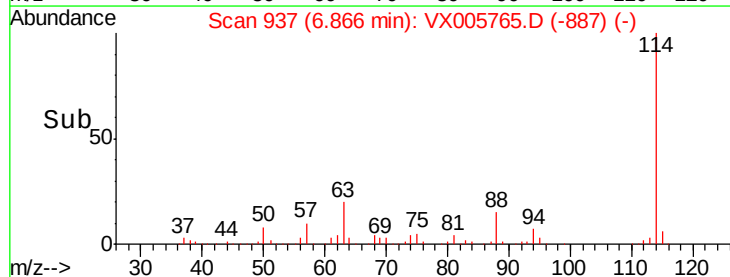
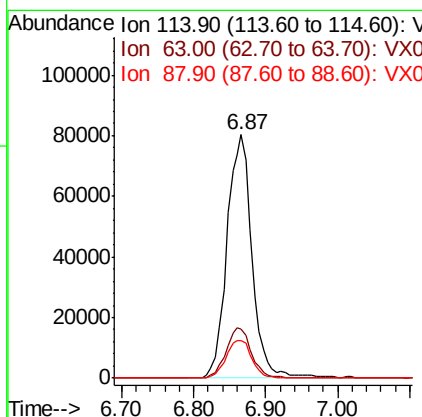
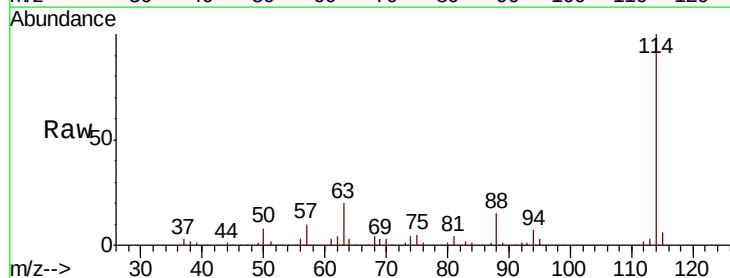
Instrument :
 MSVOA_X
 ClientSampleId :
 NJ-WHITE

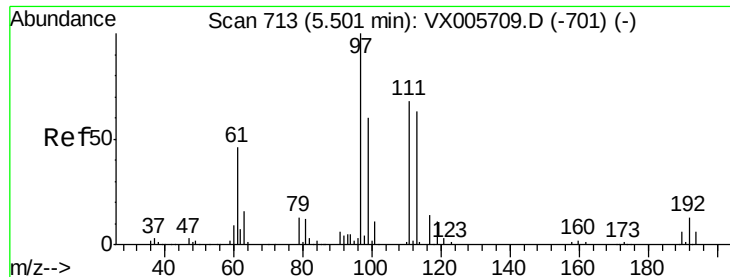
Tot Ion: 65 Resp: 88642
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005765.D
 Acq: 02 Nov 2018 19:11

Tgt Ion: 114 Resp: 193501
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.8
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.328 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

NJ-WHITE

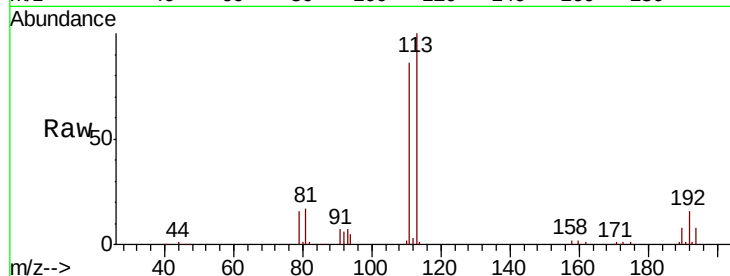
Tot Ion:113 Resp: 66090

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

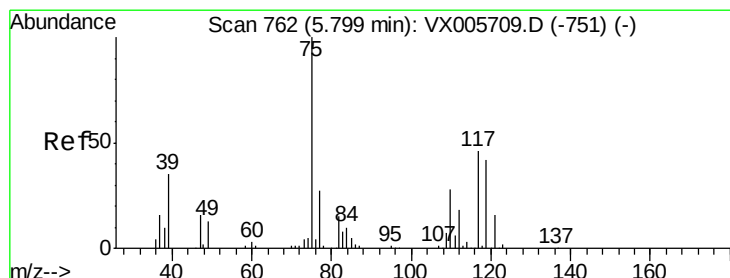
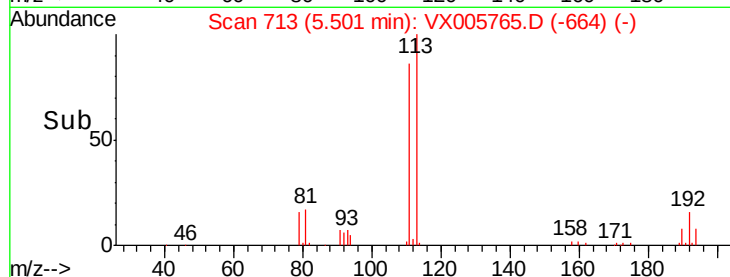
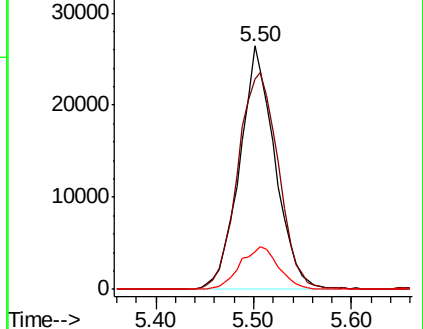
192 19.3 17.9 26.9



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: 4.697 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

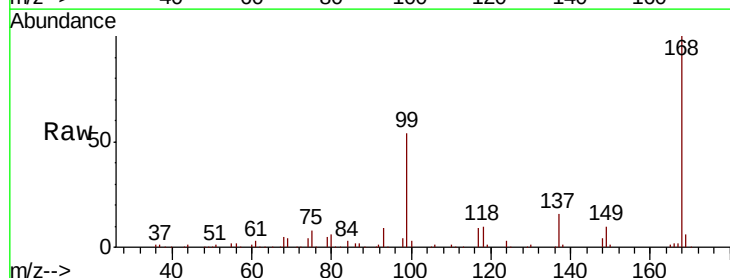
Tgt Ion: 75 Resp: 9683

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.2#

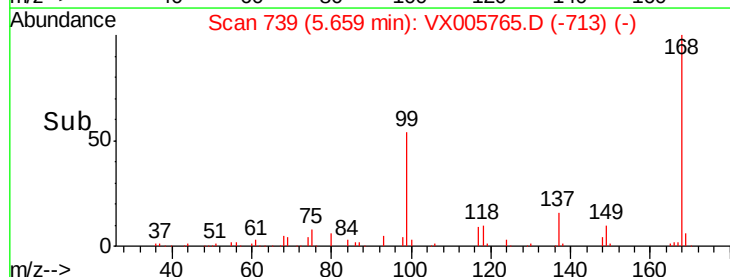
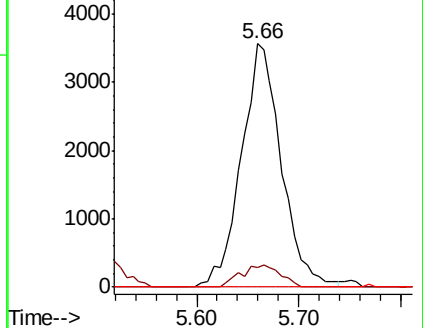
77 0.0 25.8 38.6#

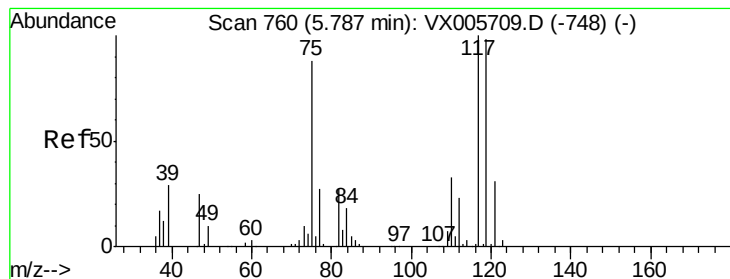


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.913 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

NJ-WHITE

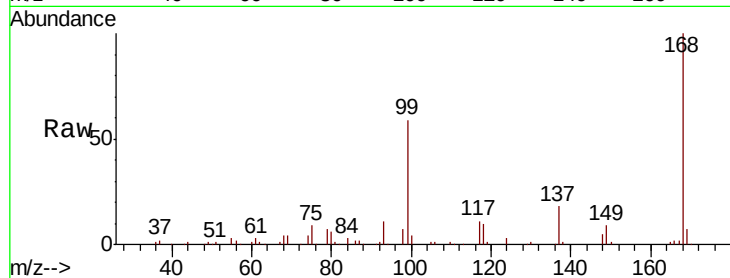
Tot Ion:117 Resp: 11014

Ion Ratio Lower Upper

117 100

119 6.4 78.1 117.1#

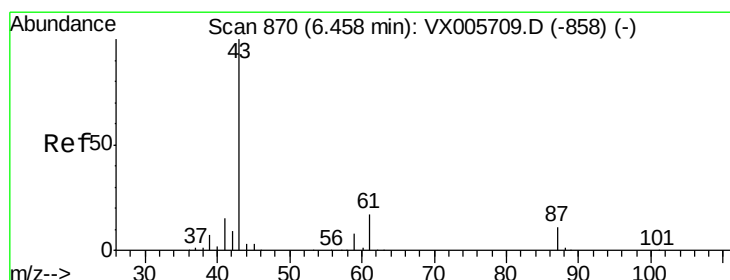
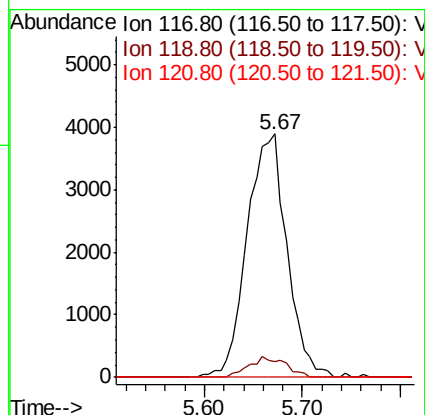
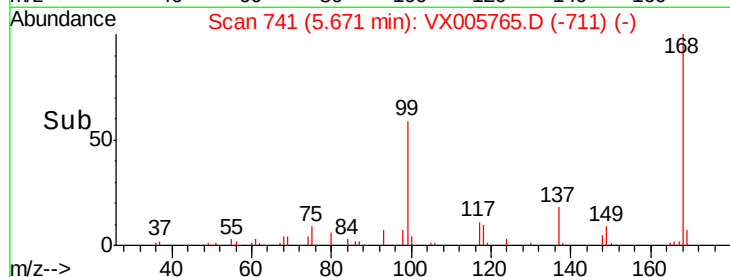
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 24.118 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

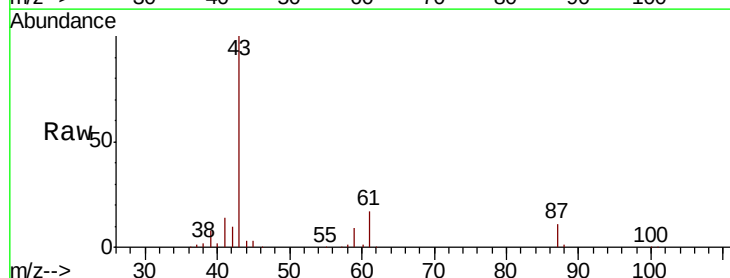
Tgt Ion: 43 Resp: 92070

Ion Ratio Lower Upper

43 100

61 19.6 14.6 22.0

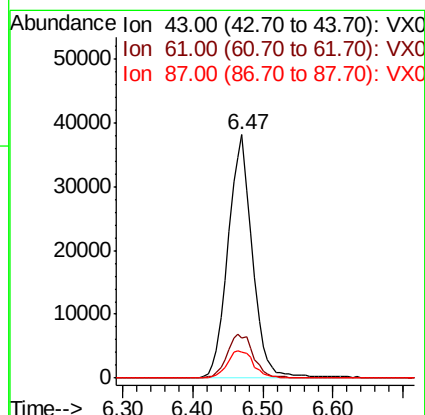
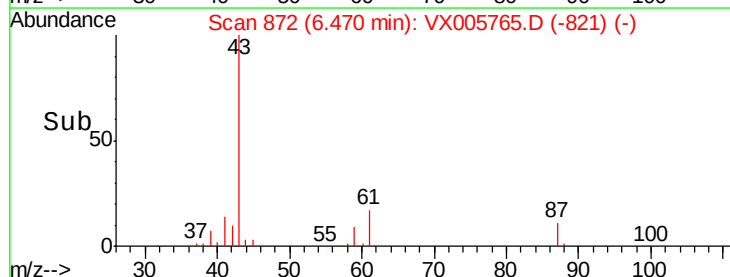
87 12.2 9.6 14.4

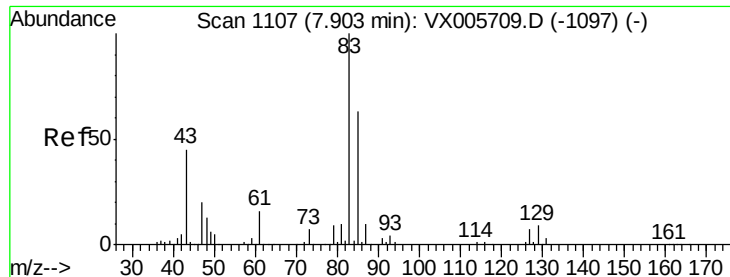


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#47

Bromodichloromethane

Concen: 0.206 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampled :

NJ-WHITE

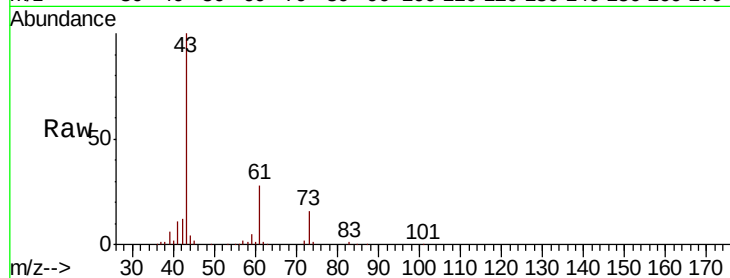
Tot Ion: 83 Resp: 388

Ion Ratio Lower Upper

83 100

85 48.1 50.2 75.4#

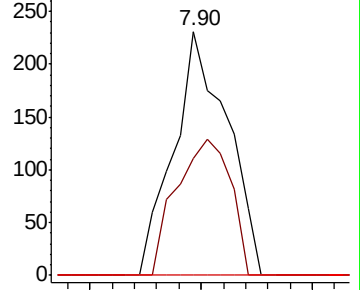
127 0.0 6.9 10.3#



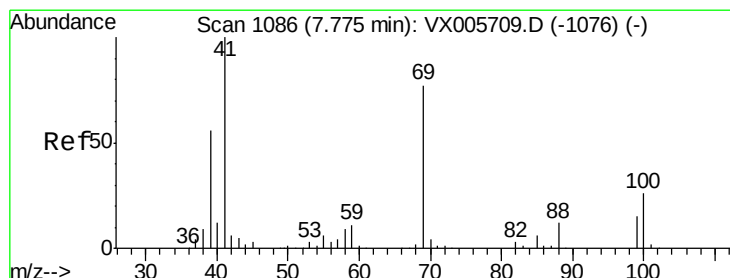
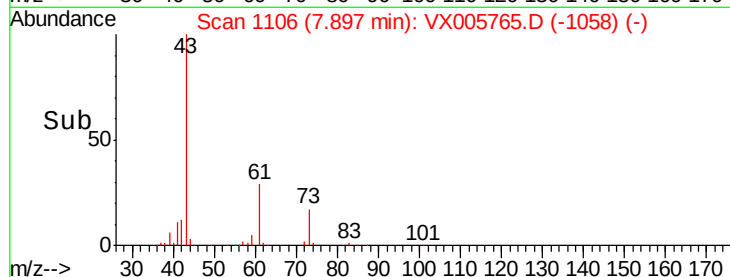
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 2.243 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

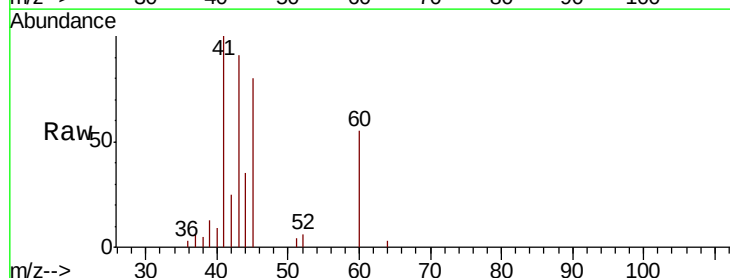
Tgt Ion: 41 Resp: 4144

Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

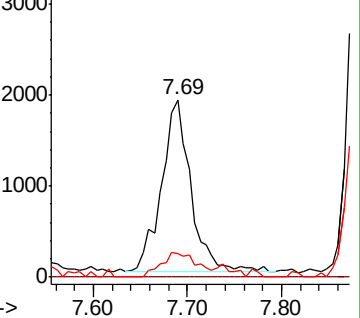
39 17.0 42.2 63.2#



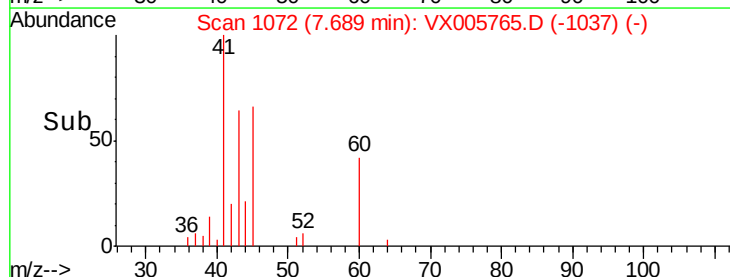
Abundance Ion 41.00 (40.70 to 41.70): VX0

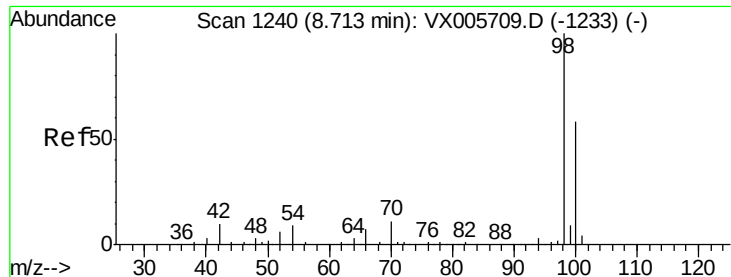
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

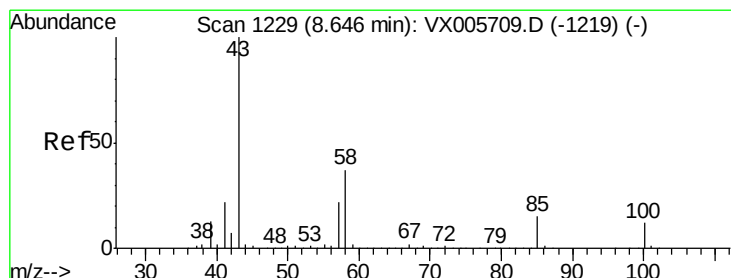
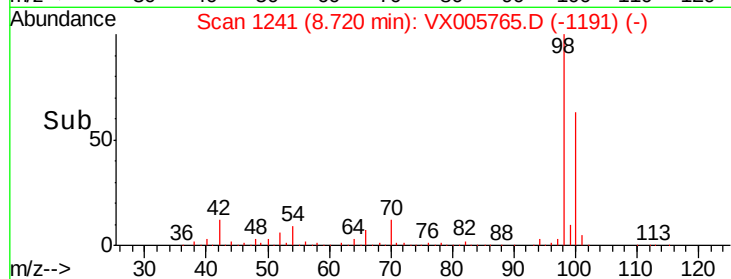
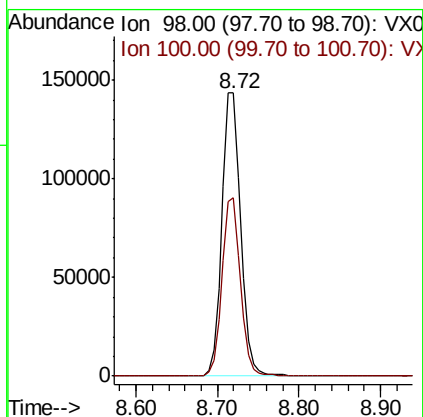
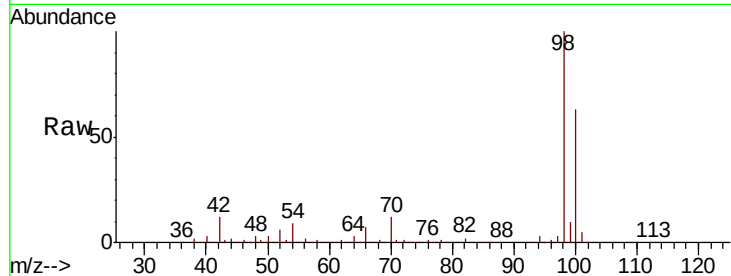




#50
Toluene-d8
Concen: 49.108 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

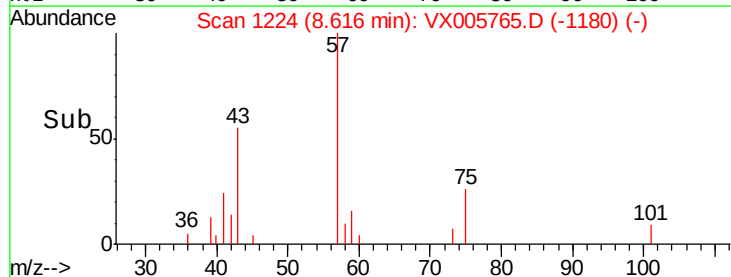
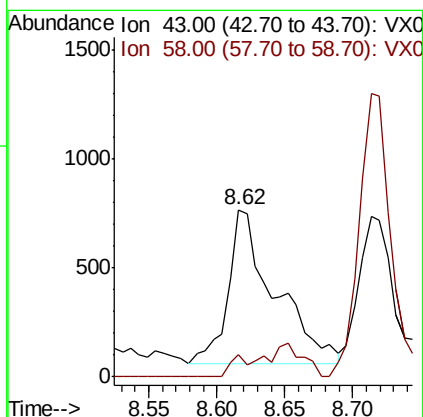
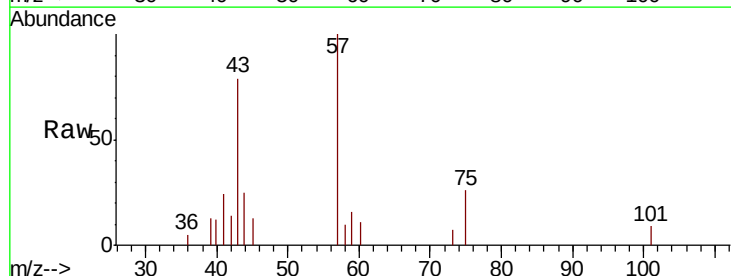
Instrument :
MSVOA_X
ClientSampleId :
NJ-WHITE

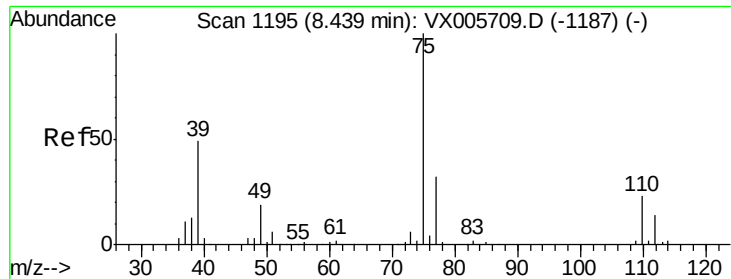
Tot Ion: 98 Resp: 230765
Ion Ratio Lower Upper
98 100
100 61.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.644 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
58 4.9 29.7 44.5#



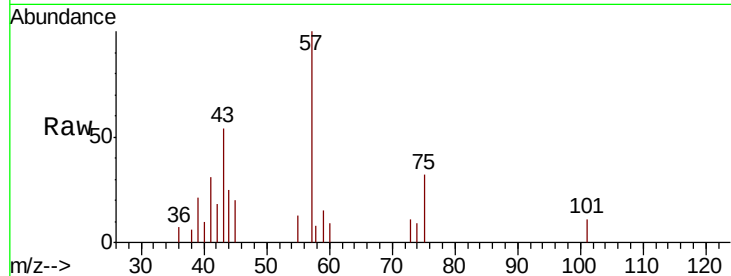


#54

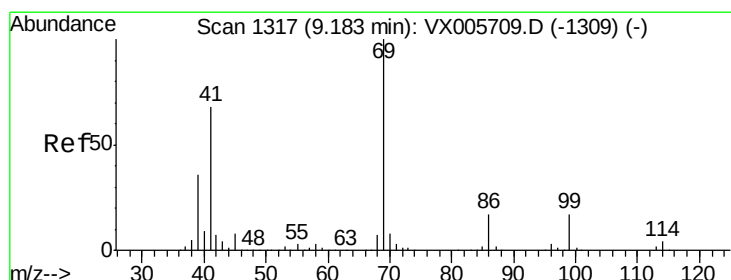
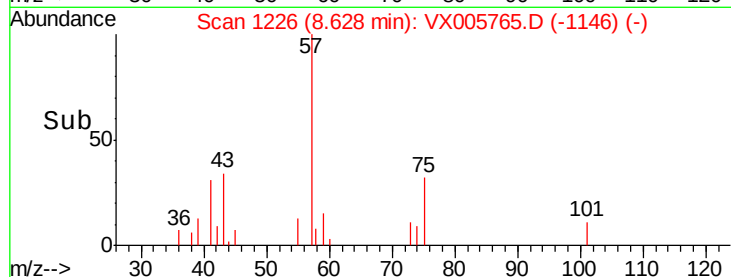
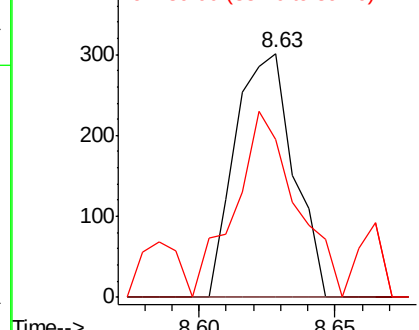
cis-1,3-Dichloropropene
 Concen: 0.204 ug/l
 RT: 8.63 min Scan# 1226
 Delta R.T. 0.19 min
 Lab File: VX005765.D
 Acq: 02 Nov 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 NJ-WHITE

Tot Ion: 75 Resp: 447
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 64.8 38.2 57.2#



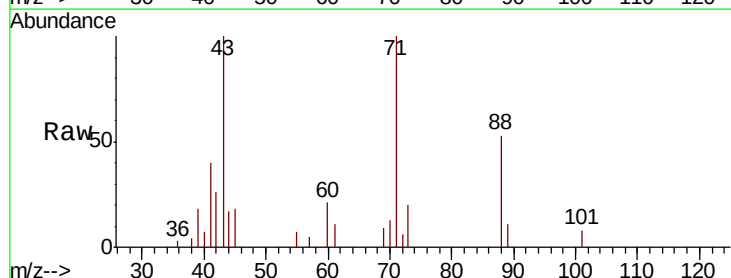
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



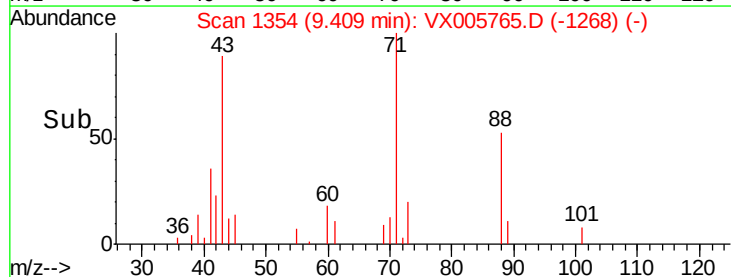
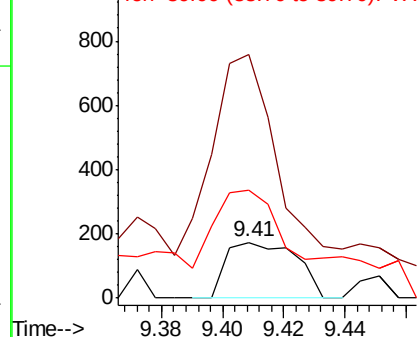
#56

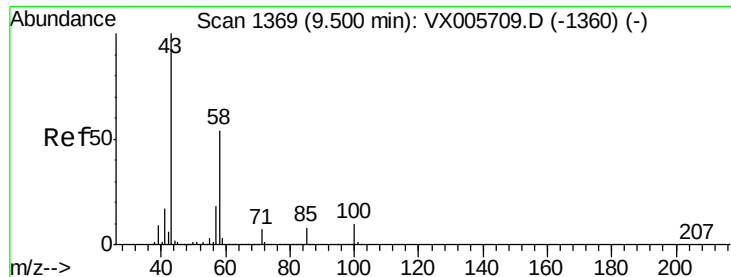
Ethyl methacrylate
 Concen: 2.577 ug/l
 RT: 9.41 min Scan# 1354
 Delta R.T. 0.23 min
 Lab File: VX005765.D
 Acq: 02 Nov 2018 19:11

Tgt Ion: 69 Resp: 272
 Ion Ratio Lower Upper
 69 100
 41 385.3 57.0 85.6#
 39 369.9 28.3 42.5#



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

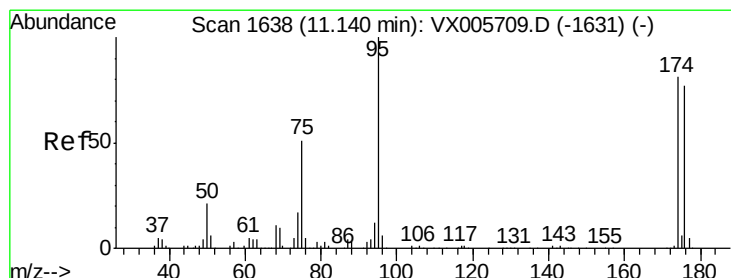
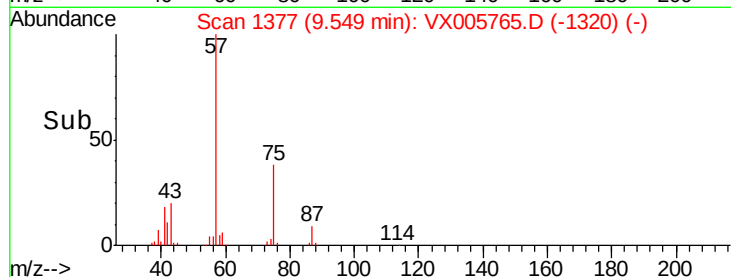
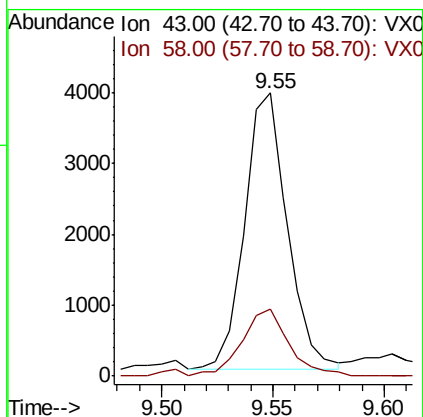
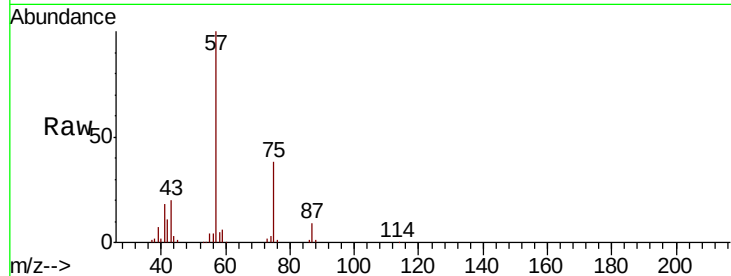




#59
2-Hexanone
Concen: 2.446 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

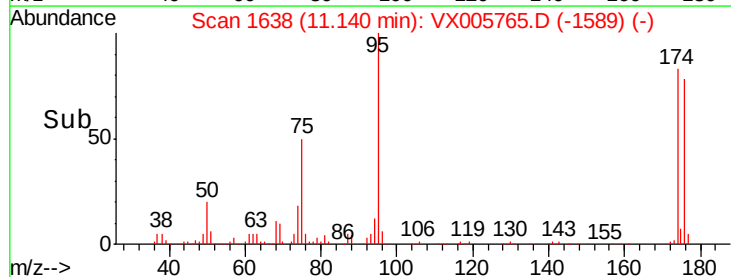
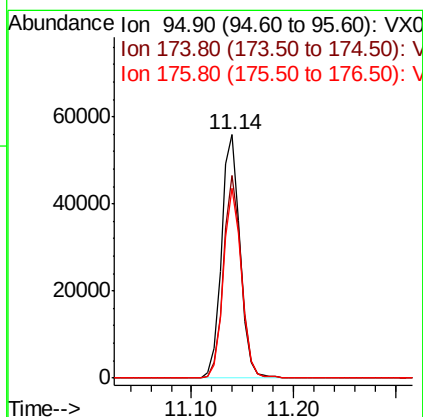
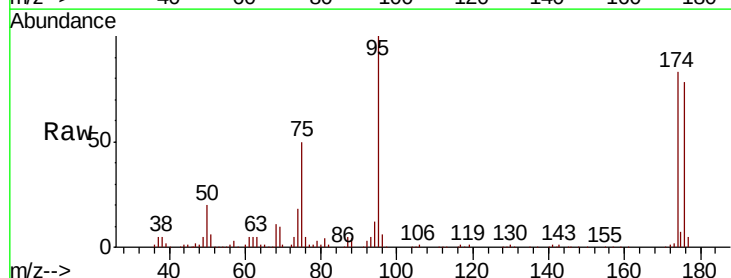
Instrument :
MSVOA_X
ClientSampleId :
NJ-WHITE

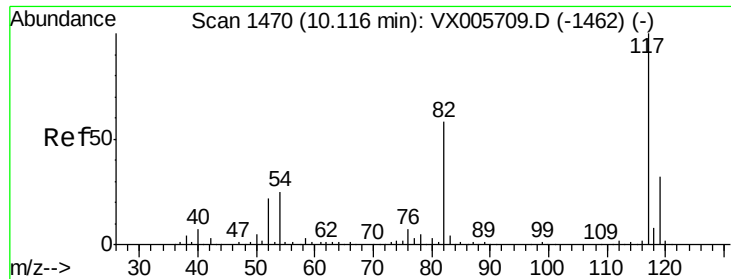
Tot Ion: 43 Resp: 5182
Ion Ratio Lower Upper
43 100
58 26.6 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 40.982 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

Tgt Ion: 95 Resp: 71077
Ion Ratio Lower Upper
95 100
174 80.1 0.0 184.4
176 75.8 0.0 177.4

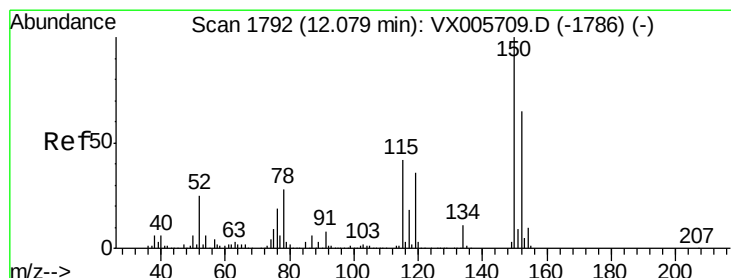
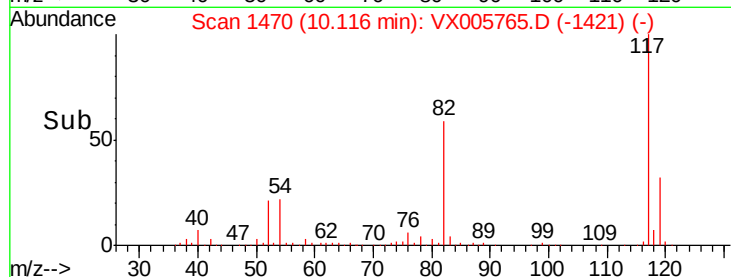
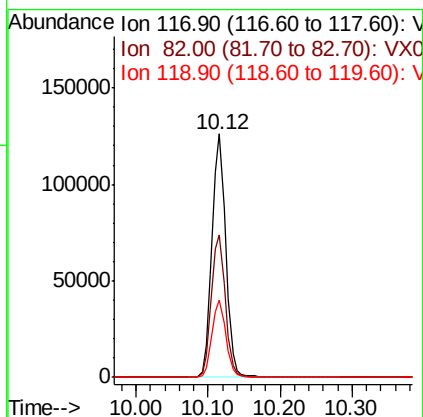
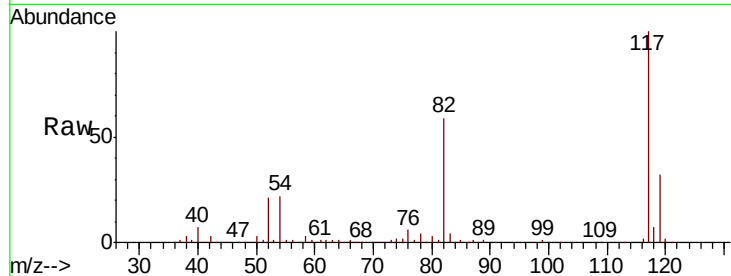




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

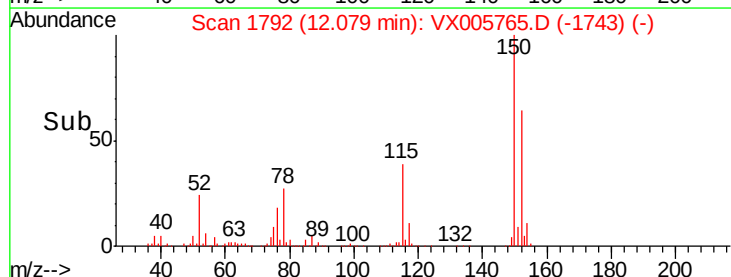
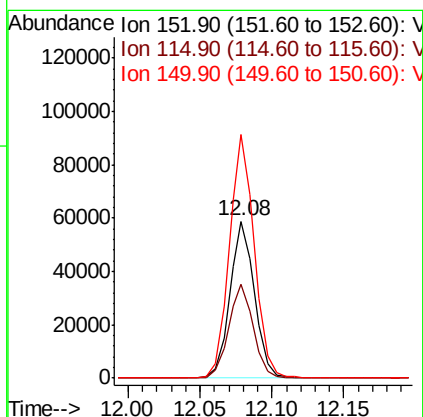
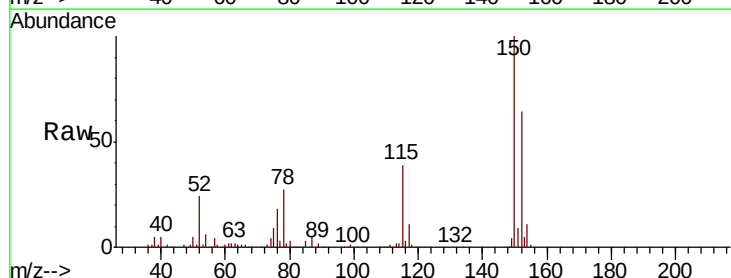
Instrument :
MSVOA_X
ClientSampleId :
NJ-WHITE

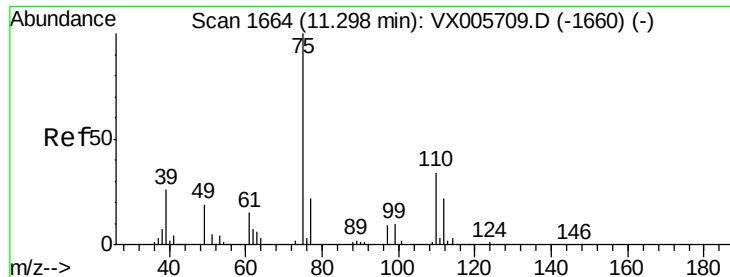
Tot Ion:117 Resp: 166889
Ion Ratio Lower Upper
117 100
82 58.7 44.1 66.1
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005765.D
Acq: 02 Nov 2018 19:11

Tgt Ion:152 Resp: 70116
Ion Ratio Lower Upper
152 100
115 60.2 39.4 118.1
150 157.5 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 21.052 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampled :

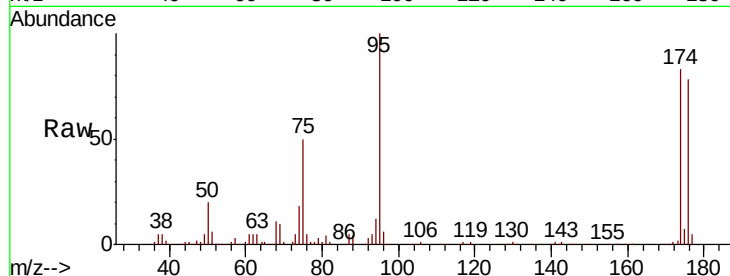
NJ-WHITE

Tot Ion: 75 Resp: 36763

Ion Ratio Lower Upper

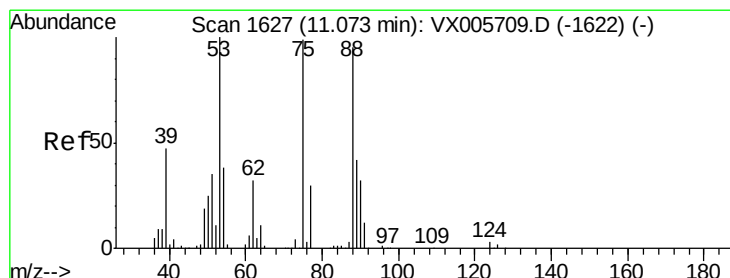
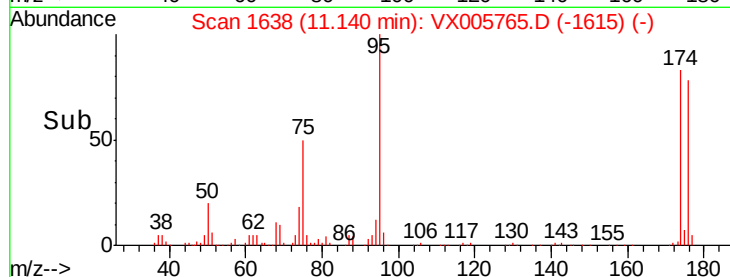
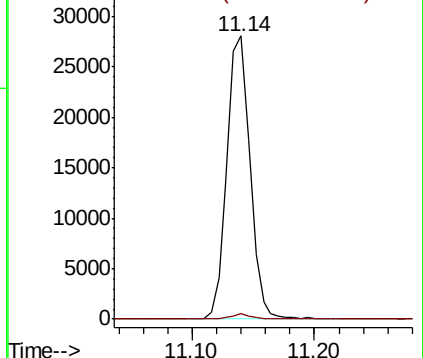
75 100

77 1.6 20.5 61.6#



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: 68.017 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

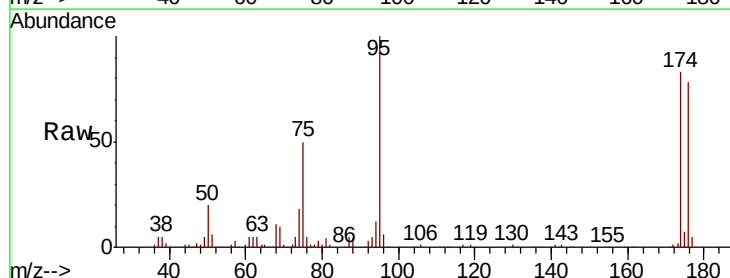
Tgt Ion: 75 Resp: 36763

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

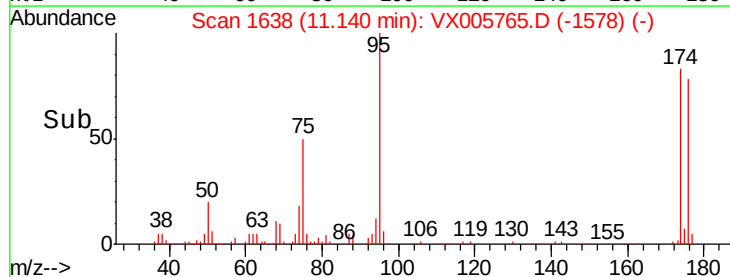
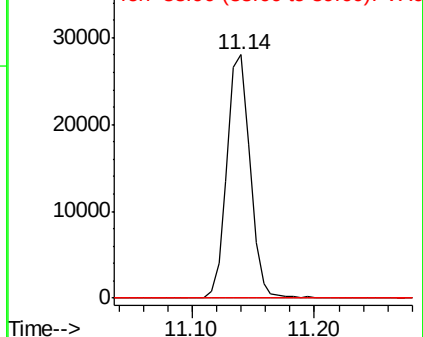
89 0.1 39.8 59.8#

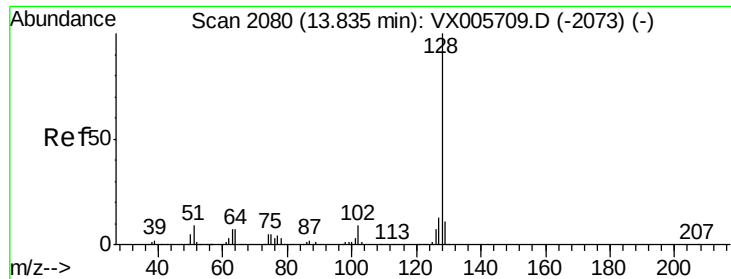


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.550 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005765.D

Acq: 02 Nov 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

NJ-WHITE

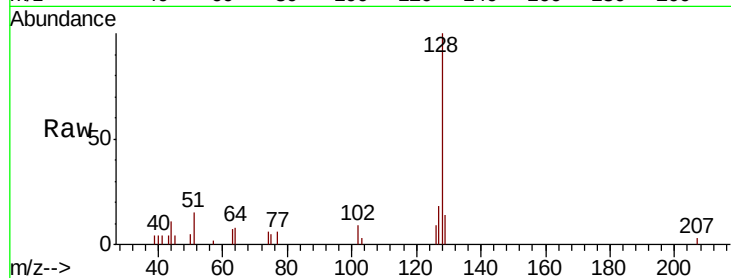
Tot Ion:128 Resp: 2688

Ion Ratio Lower Upper

128 100

127 14.9 10.4 15.6

129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

