

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053606.D
 Acq On : 4 Feb 2019 19:31
 Operator : JC/SP
 Sample : K1359-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Quant Time: Feb 05 01:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	863760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1371479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1233257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	558210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	435047	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.59	113	421863	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.09	98	1640668	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.40	95	571561	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.42	74	1113	0.226	ug/l #	2
11) Tert butyl alcohol	4.78	59	102088	199.069	ug/l	98
13) Acrolein	3.61	56	313	1.121	ug/l #	14
16) Acetone	3.82	43	276216	124.274	ug/l	98
18) Methyl Acetate	4.32	43	112936	17.157	ug/l	99
20) Methylene Chloride	4.55	84	12154	1.303	ug/l	91
22) Diisopropyl ether	5.95	45	6401	0.271	ug/l #	1
25) 2-Butanone	6.84	43	191904	60.538	ug/l	97
29) Tetrahydrofuran	7.18	42	2986	1.467	ug/l #	53
31) Cyclohexane	7.66	56	15784	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	52498	4.246	ug/l #	49
37) Ethyl Acetate	6.84	43	191904	27.793	ug/l #	68
38) Carbon Tetrachloride	7.66	117	69032	5.543	ug/l #	15
40) Benzene	8.04	78	507066	13.300	ug/l	98
41) Methacrylonitrile	7.19	41	11038	2.860	ug/l #	29
42) 1,2-Dichloroethane	8.04	62	4416	0.390	ug/l	96
43) Isopropyl Acetate	8.29	43	213094	15.980	ug/l #	51
48) Methyl methacrylate	9.17	41	37778	5.935	ug/l #	38
49) 1,4-Dioxane	9.20	88	2826	68.540	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	6893	1.052	ug/l #	80
52) Toluene	10.16	92	159994	7.071	ug/l	99
59) 2-Hexanone	10.75	43	2140	0.481	ug/l	98
67) Ethyl Benzene	11.51	91	51369	1.194	ug/l	98
68) m/p-Xylenes	11.62	106	76938	4.685	ug/l	98
69) o-Xylenes	11.95	106	33325	2.100	ug/l	98
70) Styrene	11.96	104	53526	2.081	ug/l	98
71) Bromoform	12.40	173	3921	0.625	ug/l #	1
74) N-amyl acetate	12.03	43	9126	0.967	ug/l #	41
76) 1,2,3-Trichloropropane	12.40	75	267386	37.293	ug/l #	100
78) n-propylbenzene	12.59	91	10488	0.231	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	29016	0.892	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	267386	104.865	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	82128	2.477	ug/l	88
85) sec-Butylbenzene	13.04	105	82128	2.098	ug/l #	56

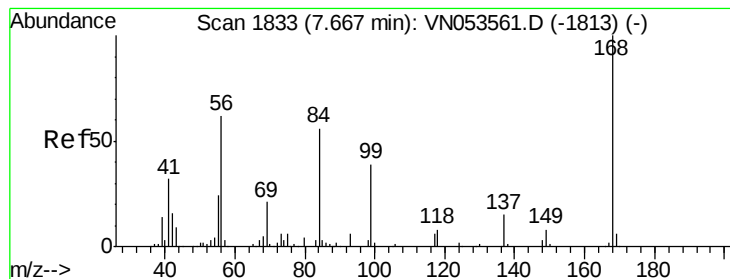
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.85	117	1581	0.280	ug/l #	3
95) Naphthalene	15.13	128	512459	21.909	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

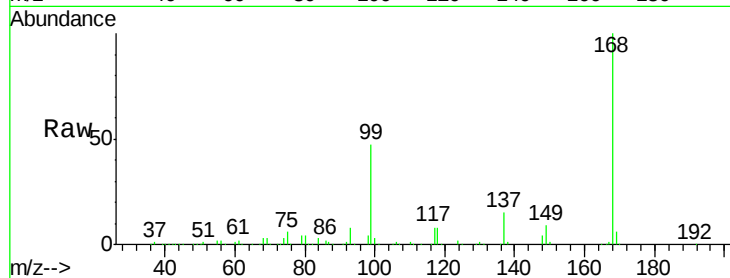
COMP-1

Tot Ion:168 Resp: 863760

Ion Ratio Lower Upper

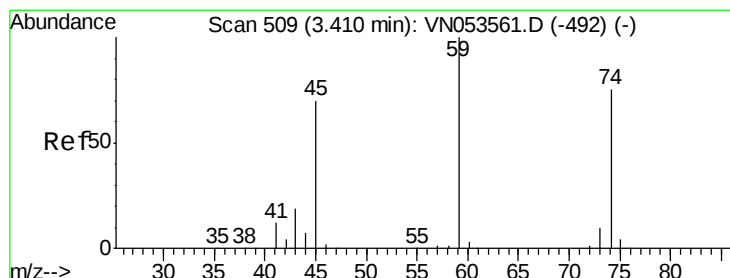
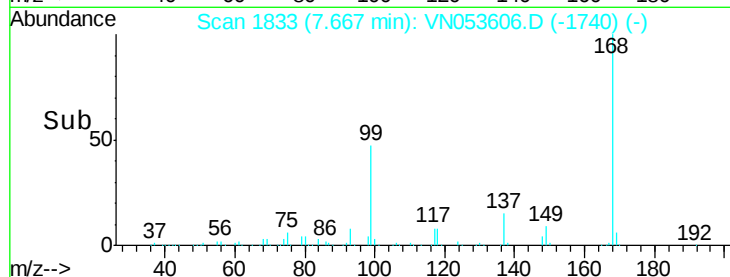
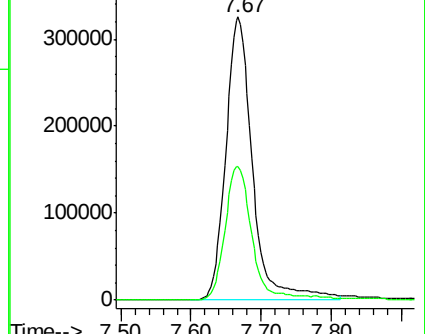
168 100

99 47.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.226 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN053606.D

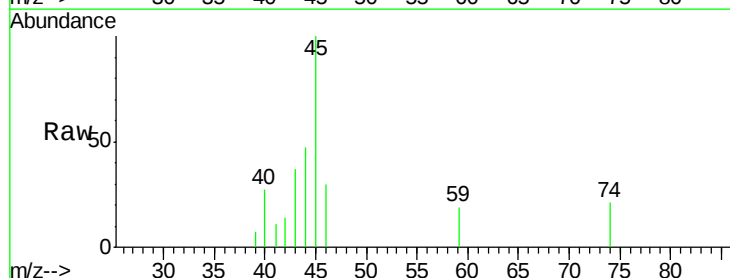
Acq: 4 Feb 2019 19:31

Tgt Ion: 74 Resp: 1113

Ion Ratio Lower Upper

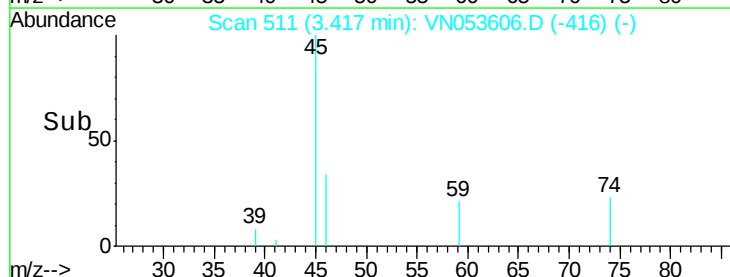
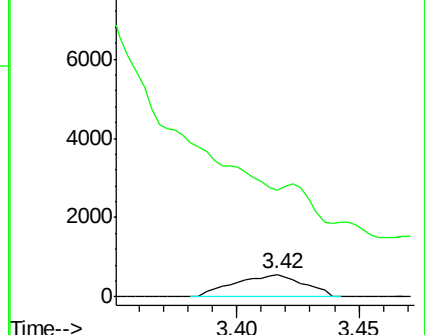
74 100

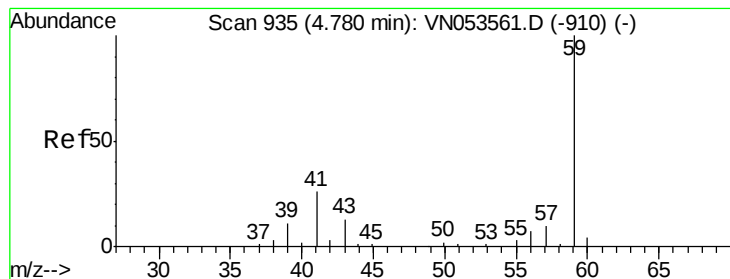
45 0.0 47.9 143.7#



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO



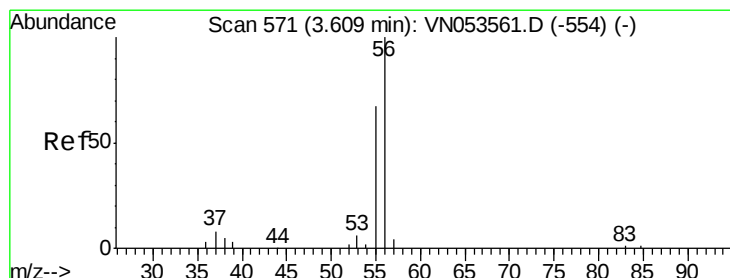
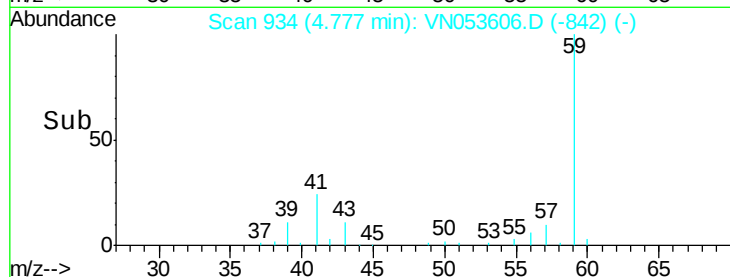
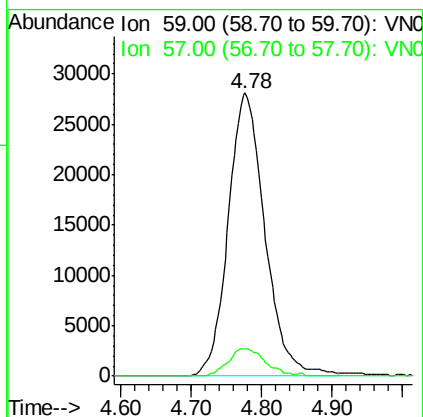
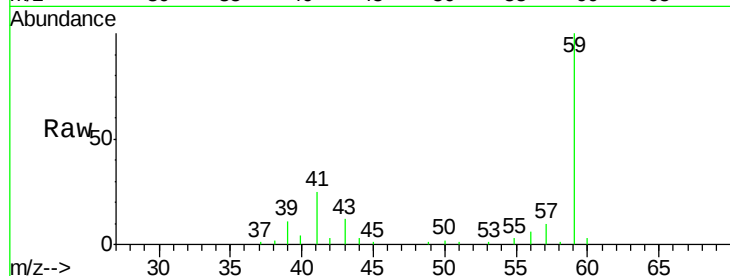


#11

Tert butyl alcohol
 Concen: 199.069 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053606.D
 Acq: 4 Feb 2019 19:31

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-1

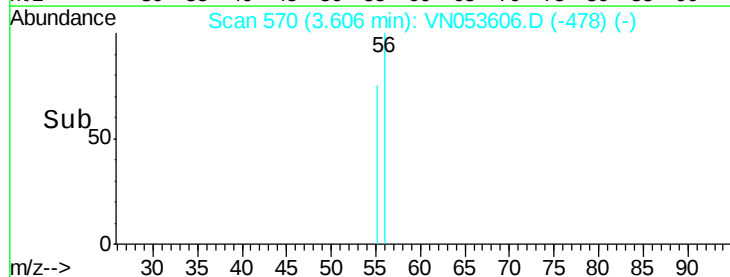
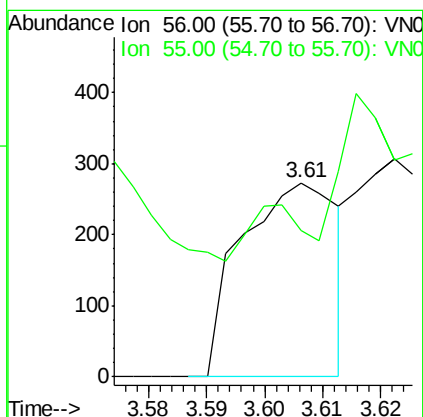
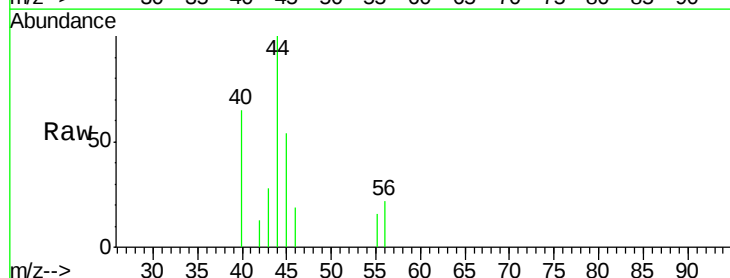
Tot Ion: 59 Resp: 102088
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.4

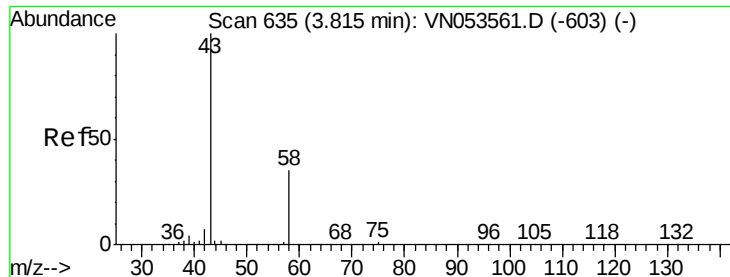


#13

Acrolein
 Concen: 1.121 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN053606.D
 Acq: 4 Feb 2019 19:31

Tgt Ion: 56 Resp: 313
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.4 86.0#





#16

Acetone

Concen: 124.274 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

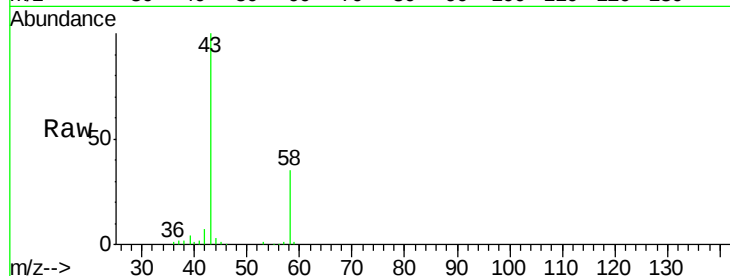
COMP-1

Tot Ion: 43 Resp: 276216

Ion Ratio Lower Upper

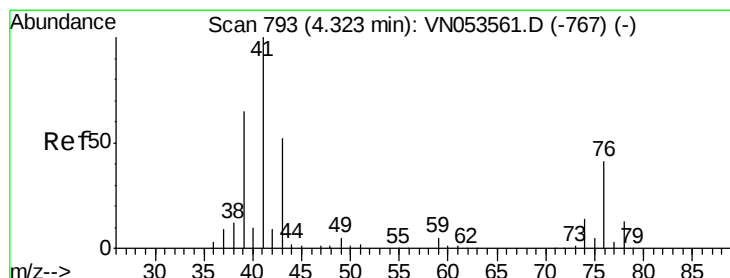
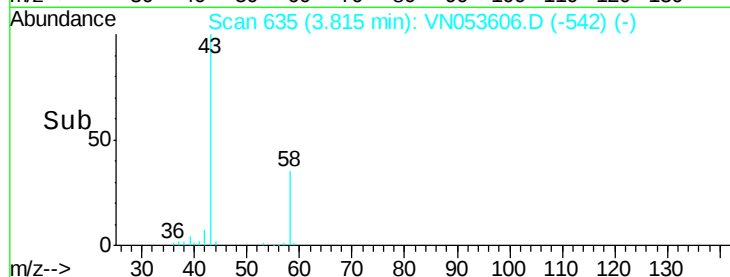
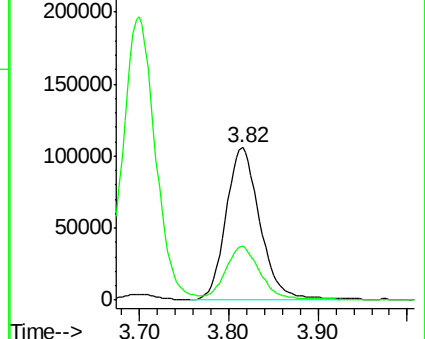
43 100

58 34.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 17.157 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053606.D

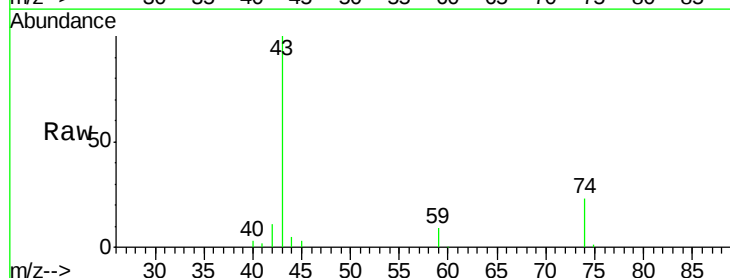
Acq: 4 Feb 2019 19:31

Tgt Ion: 43 Resp: 112936

Ion Ratio Lower Upper

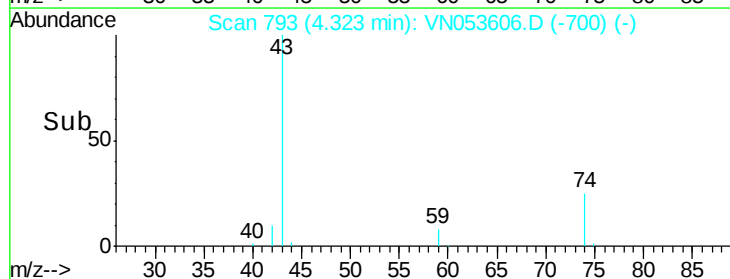
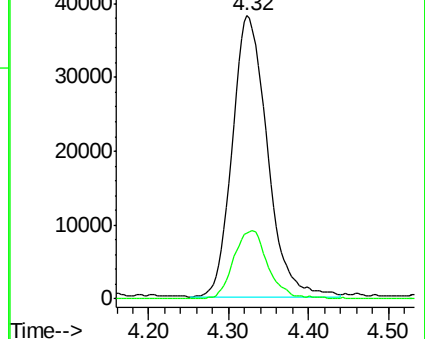
43 100

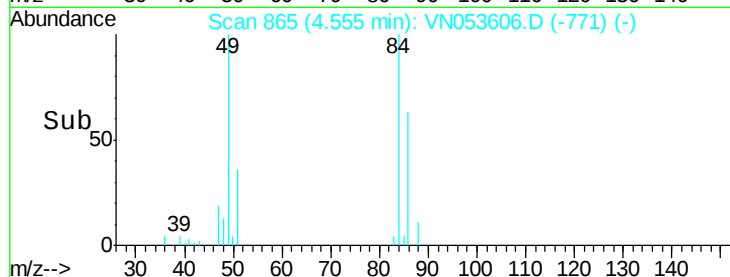
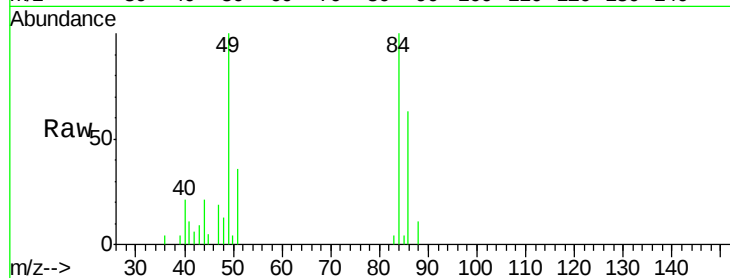
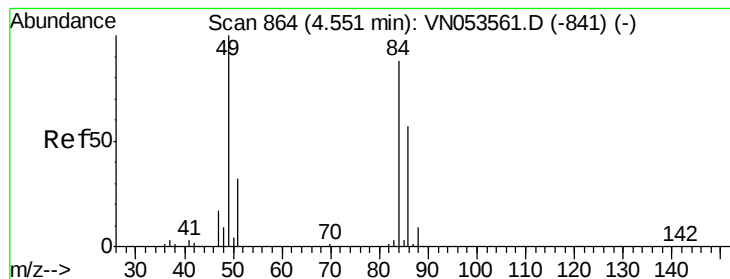
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: 1.303 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

Tot Ion: 84 Resp: 12154

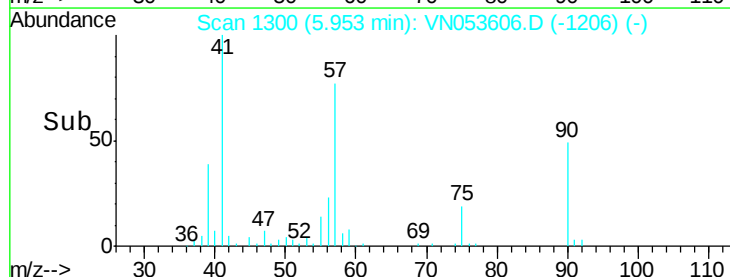
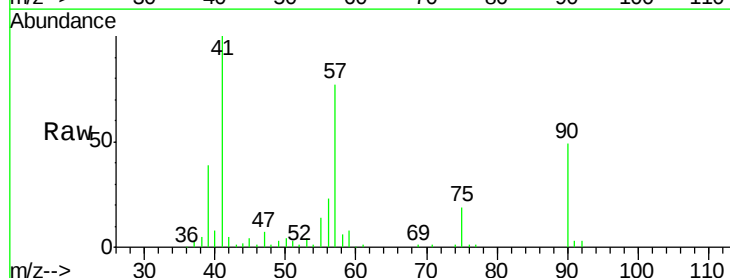
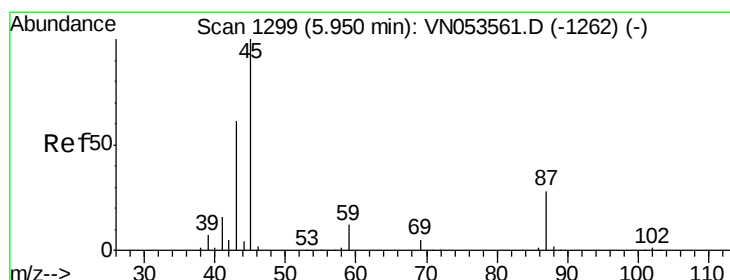
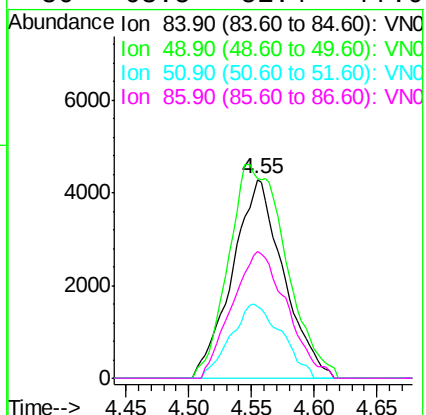
Ion Ratio Lower Upper

84 100

49 100.5 94.3 141.5

51 36.3 29.4 44.2

86 63.5 51.4 77.0



#22

Diisopropyl ether

Concen: 0.271 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Tgt Ion: 45 Resp: 6401

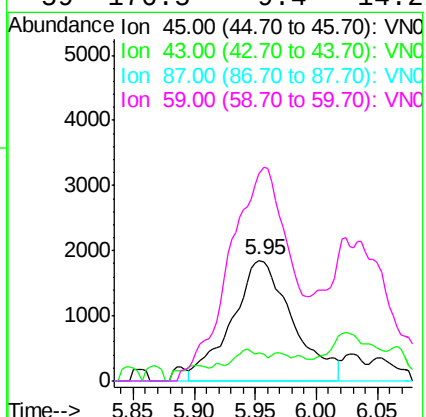
Ion Ratio Lower Upper

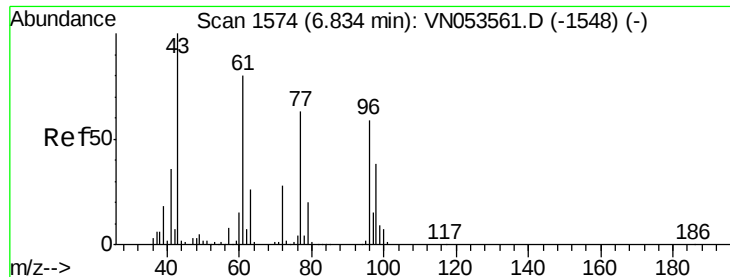
45 100

43 13.6 44.2 66.4#

87 0.0 22.7 34.1#

59 176.5 9.4 14.2#

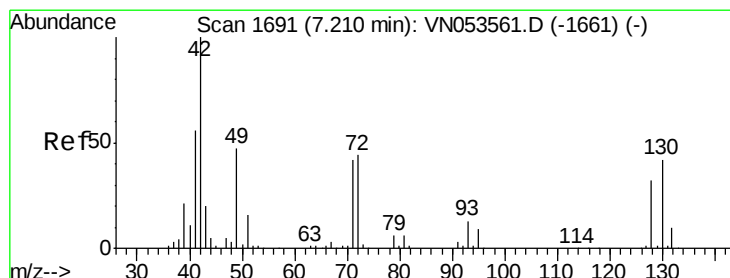
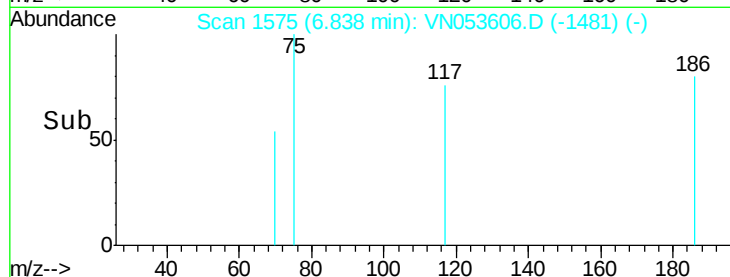
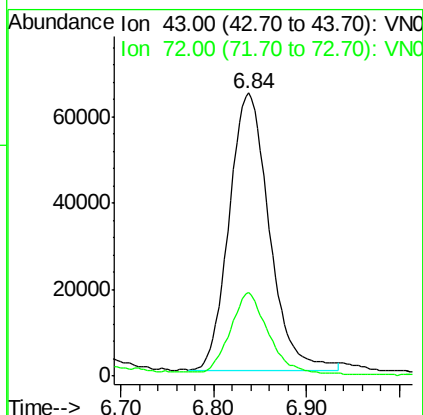
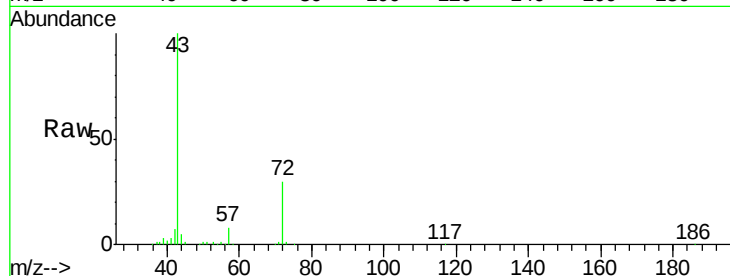




#25
2-Butanone
Concen: 60.538 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

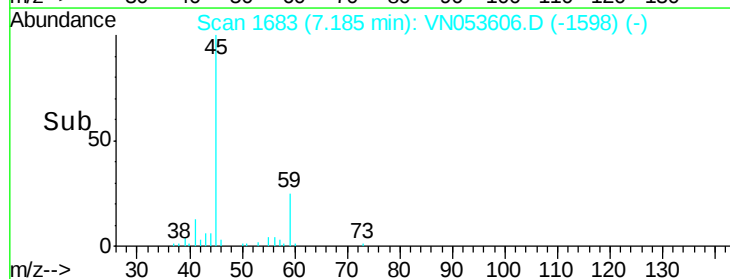
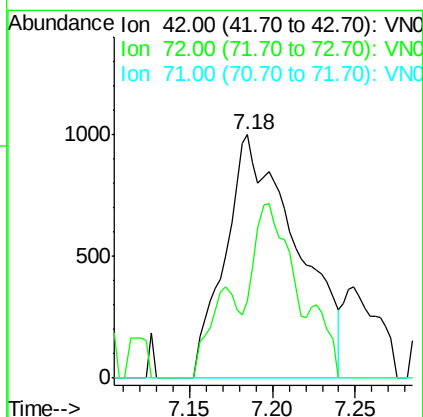
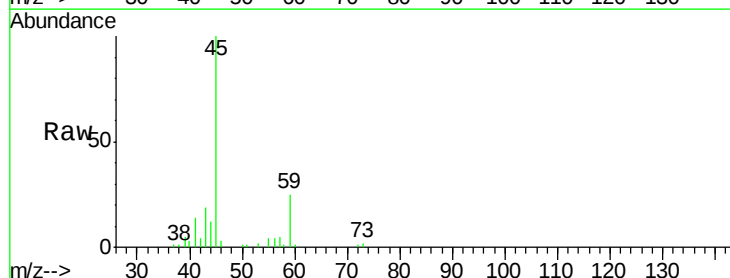
Instrument :
MSVOA_N
ClientSampled :
COMP-1

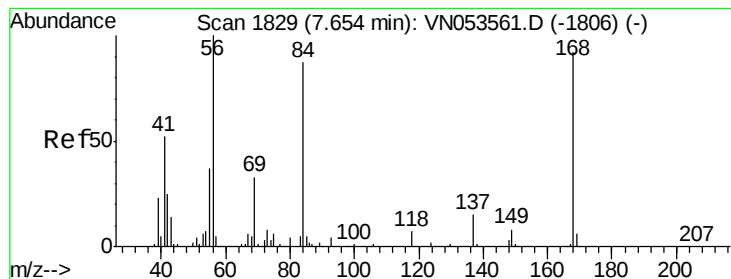
Tot Ion: 43 Resp: 191904
Ion Ratio Lower Upper
43 100
72 29.2 22.0 33.0



#29
Tetrahydrofuran
Concen: 1.467 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.03 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion: 42 Resp: 2986
Ion Ratio Lower Upper
42 100
72 24.8 35.2 52.8#
71 0.0 33.0 49.4#





#31

Cyclohexane

Concen: 0.911 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

COMP-1

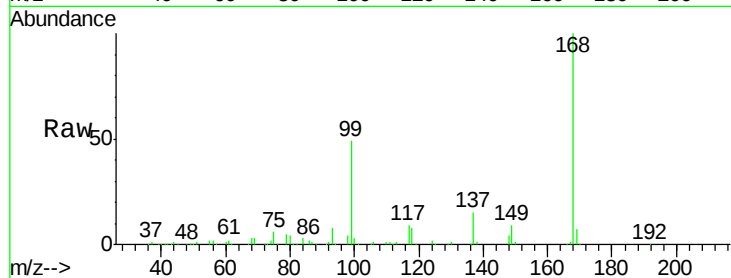
Tot Ion: 56 Resp: 15784

Ion Ratio Lower Upper

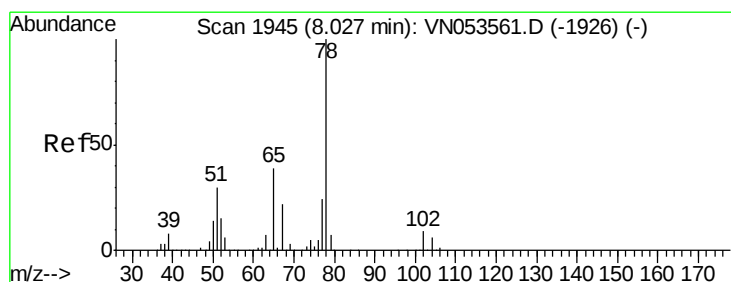
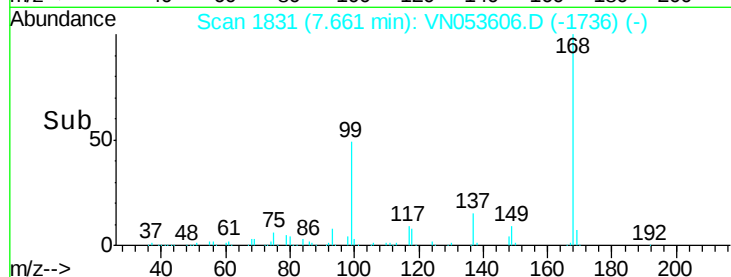
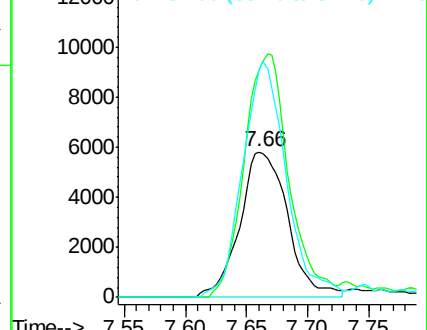
56 100

69 155.5 26.4 39.6#

84 156.1 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053606.D

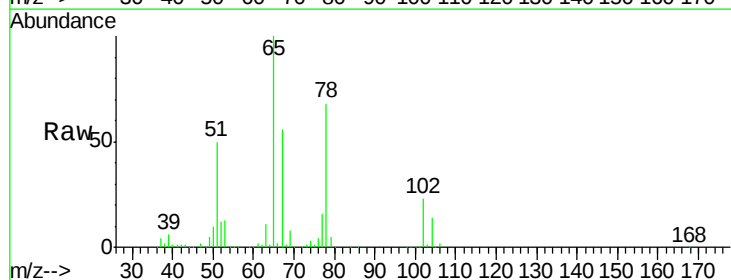
Acq: 4 Feb 2019 19:31

Tgt Ion: 65 Resp: 435047

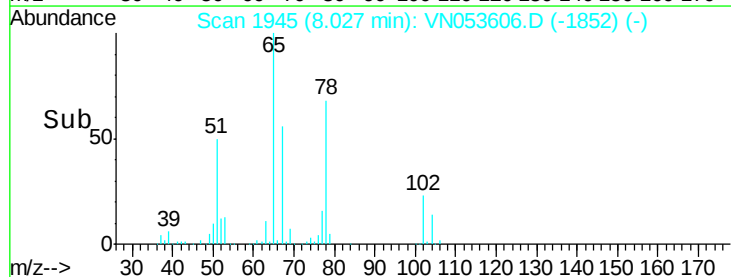
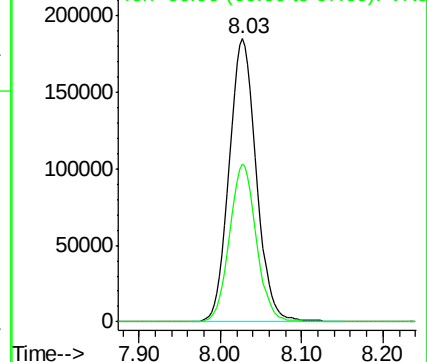
Ion Ratio Lower Upper

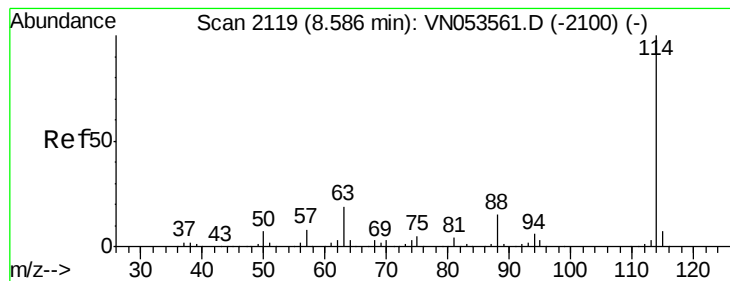
65 100

67 55.0 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

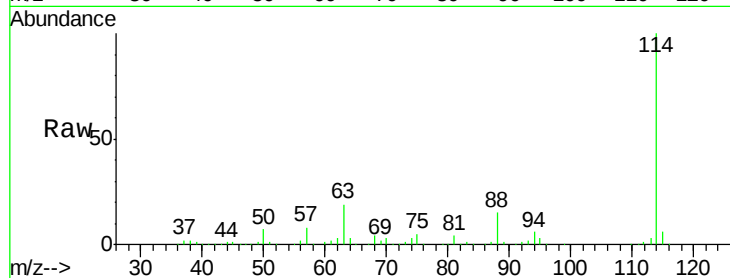
Tot Ion:114 Resp: 1371479

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

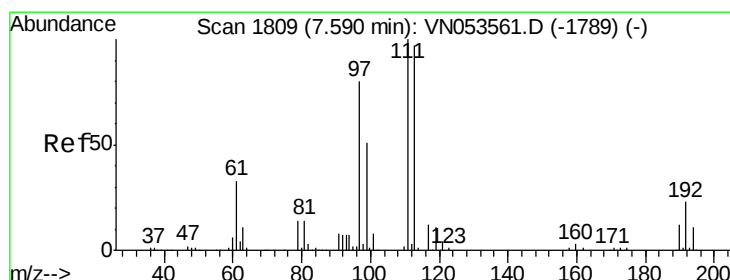
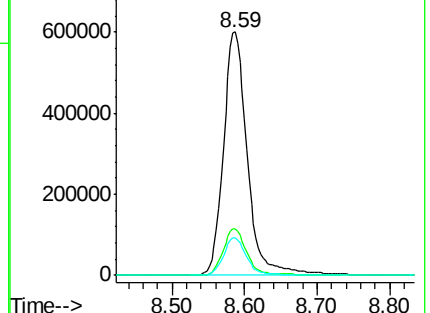
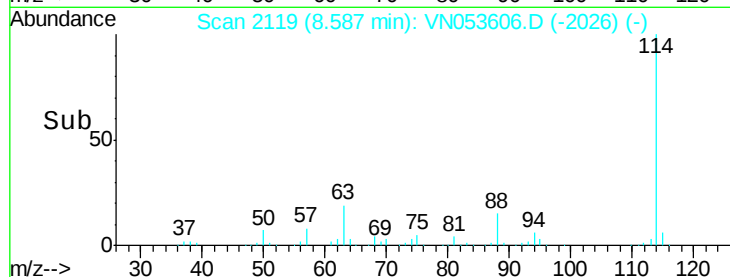
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

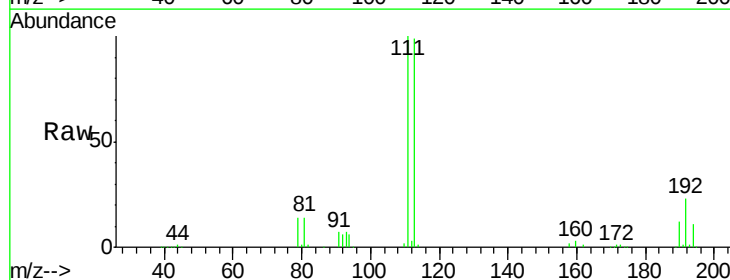
Tgt Ion:113 Resp: 421863

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

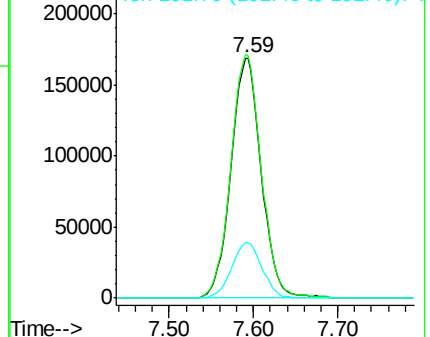
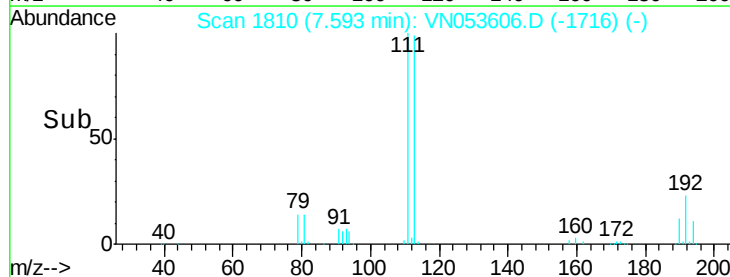
192 23.1 18.2 27.2

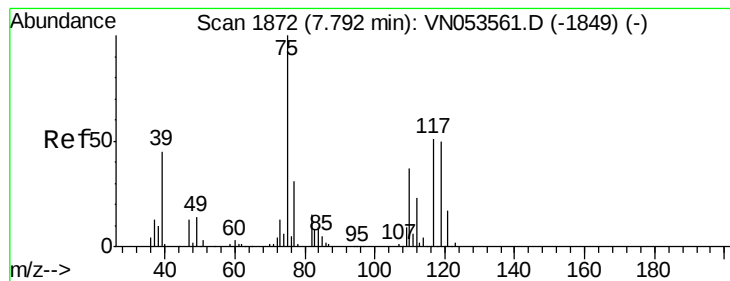


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.246 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

COMP-1

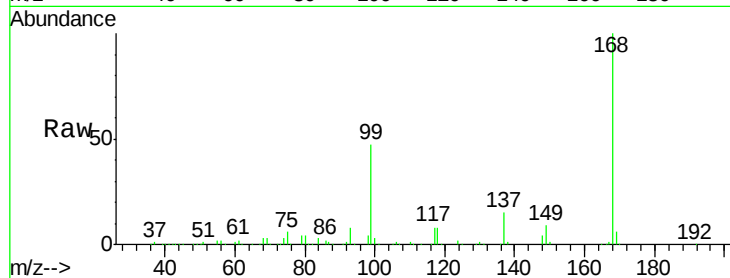
Tot Ion: 75 Resp: 52498

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

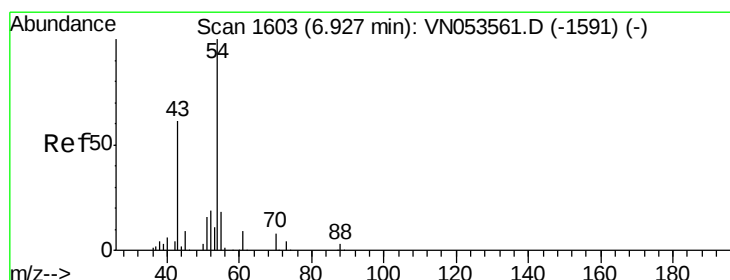
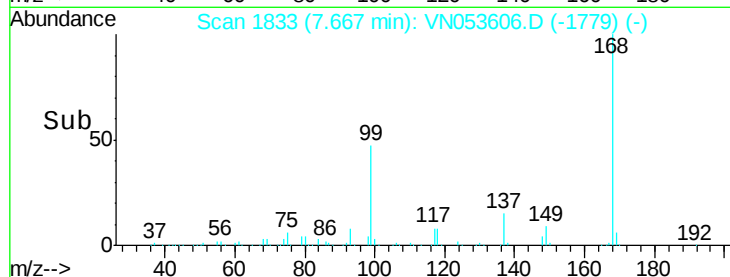
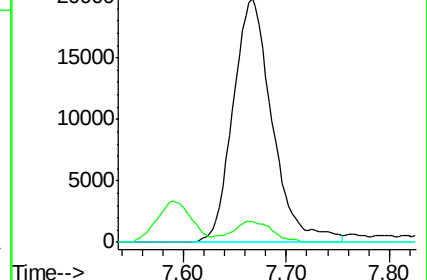
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 27.793 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.09 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

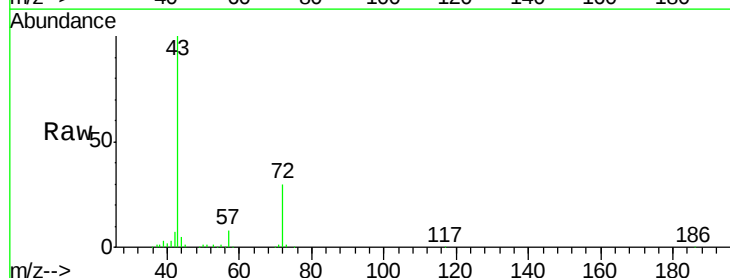
Tgt Ion: 43 Resp: 191904

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

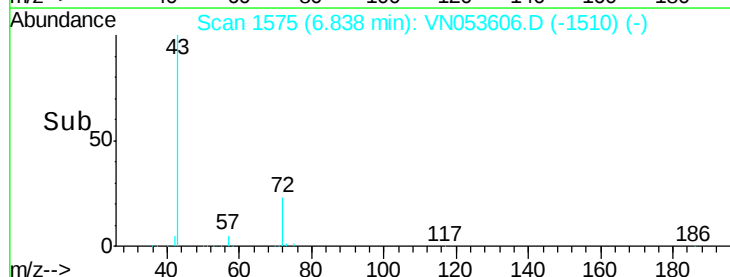
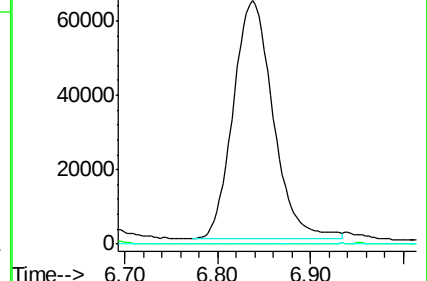
70 0.1 8.6 12.8#

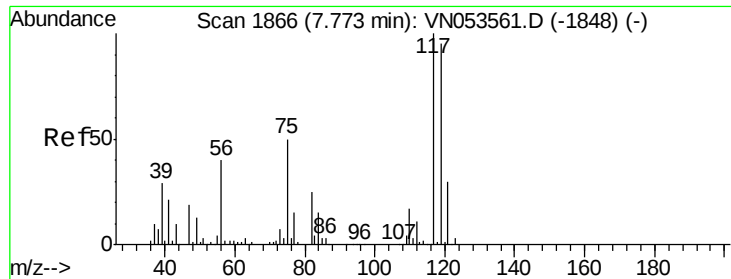


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.543 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

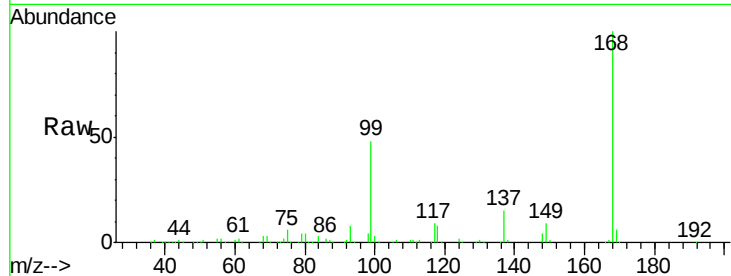
Tot Ion:117 Resp: 69032

Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

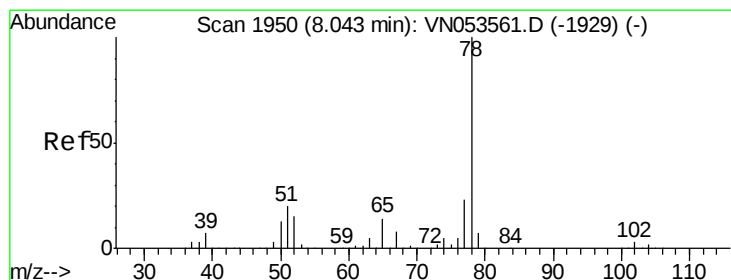
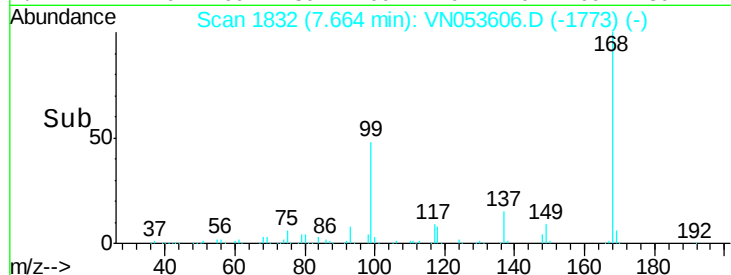
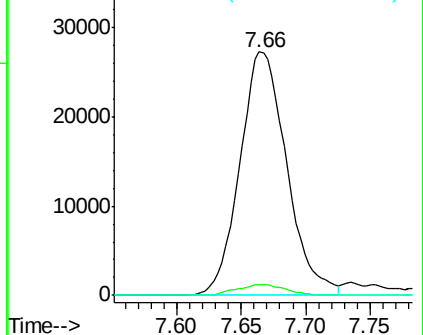
121 0.0 24.6 37.0#



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



#40

Benzene

Concen: 13.300 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053606.D

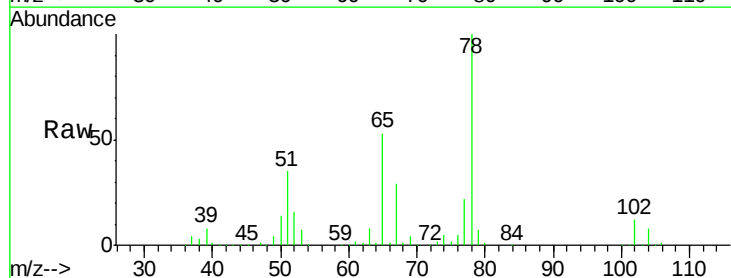
Acq: 4 Feb 2019 19:31

Tgt Ion: 78 Resp: 507066

Ion Ratio Lower Upper

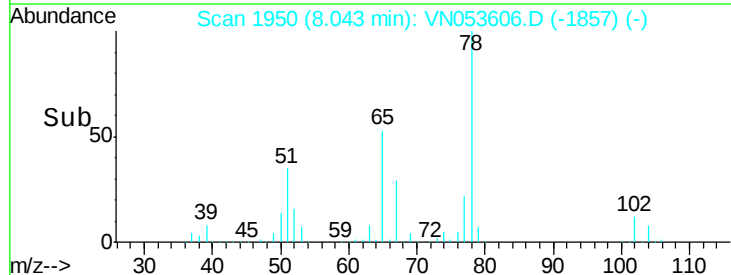
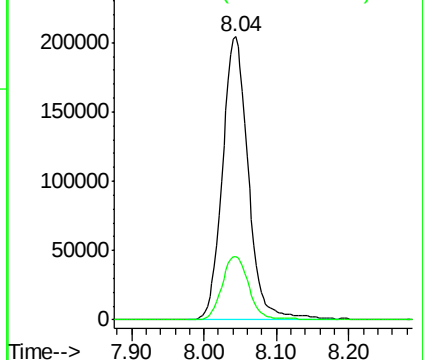
78 100

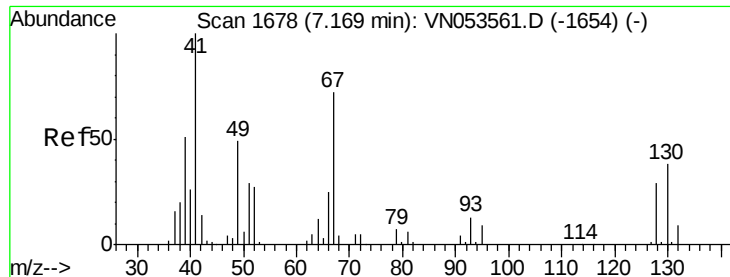
77 22.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V

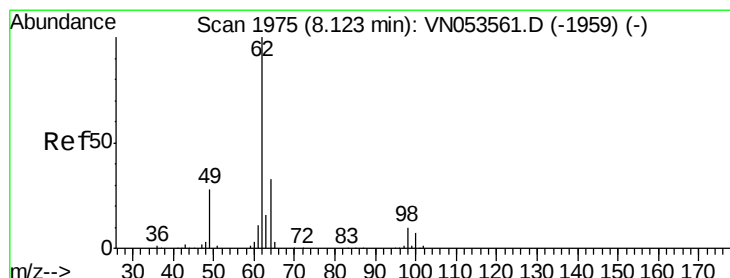
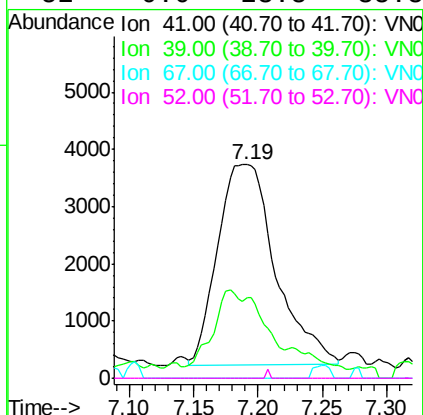
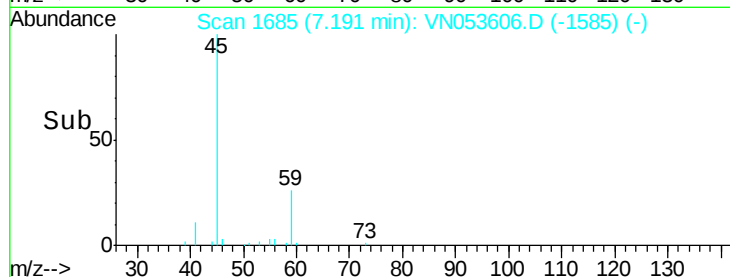
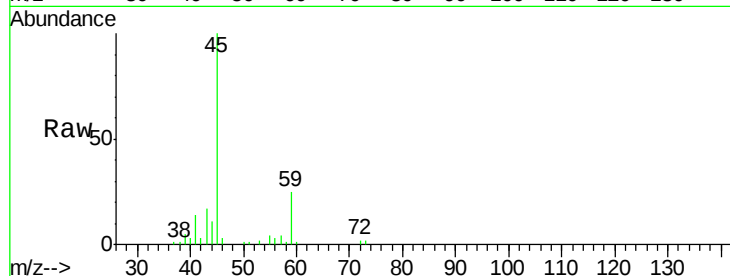




#41
Methacrylonitrile
Concen: 2.860 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

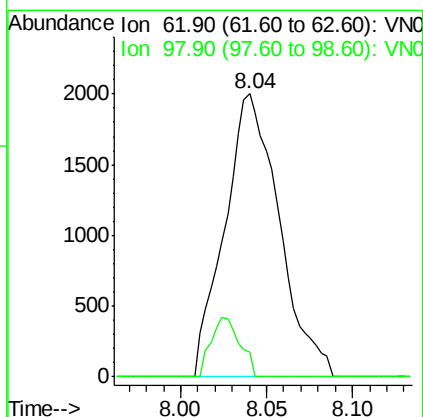
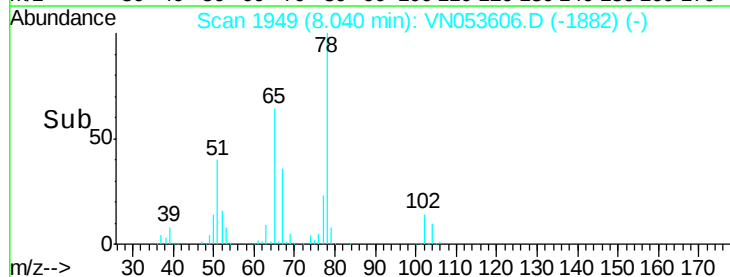
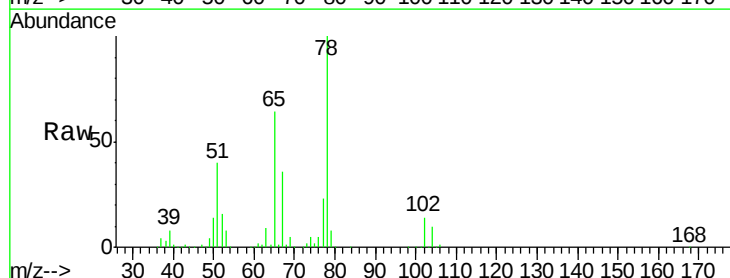
Instrument :
MSVOA_N
ClientSampled :
COMP-1

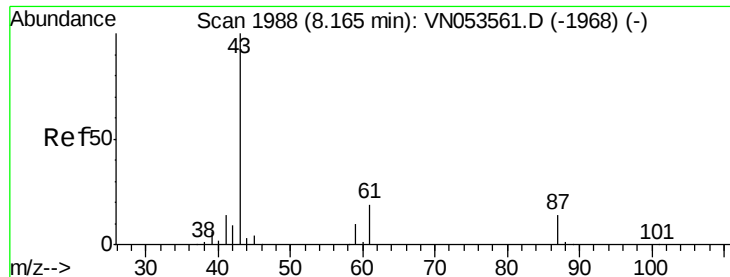
Tot Ion: 41 Resp: 11038
Ion Ratio Lower Upper
41 100
39 18.2 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 0.390 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.08 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion: 62 Resp: 4416
Ion Ratio Lower Upper
62 100
98 11.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 15.980 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

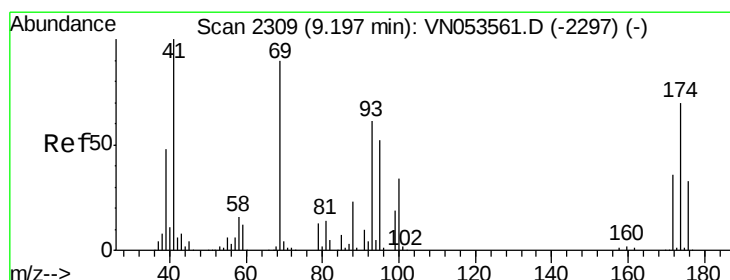
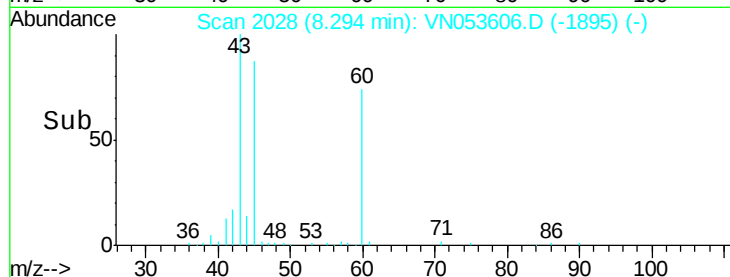
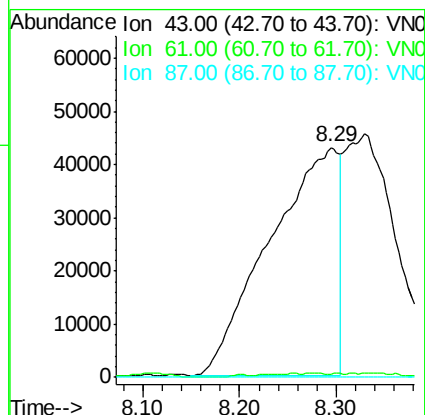
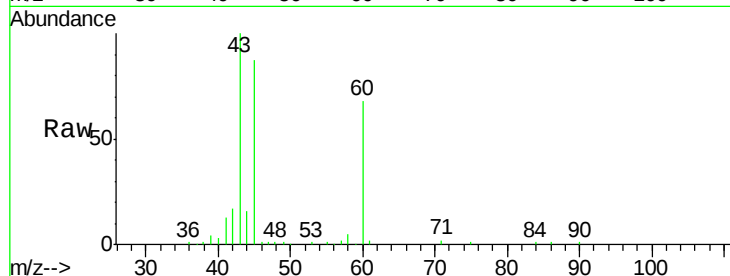
Tot Ion: 43 Resp: 213094

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



#48

Methyl methacrylate

Concen: 5.935 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.03 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

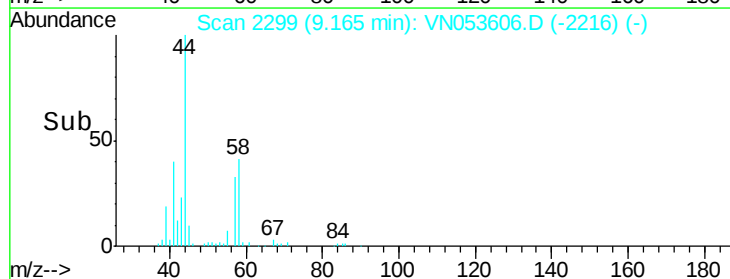
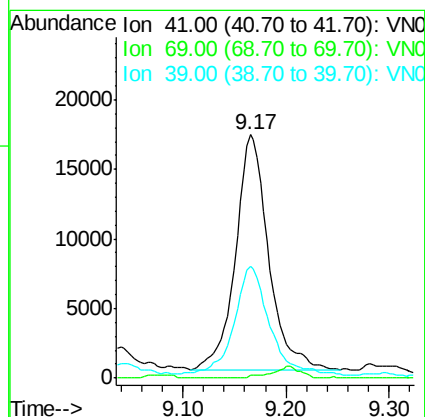
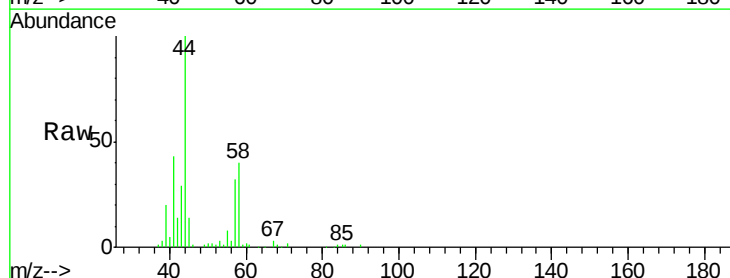
Tgt Ion: 41 Resp: 37778

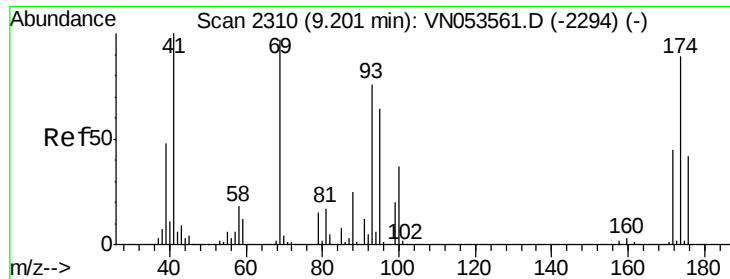
Ion Ratio Lower Upper

41 100

69 0.6 73.8 110.6#

39 50.5 40.0 60.0

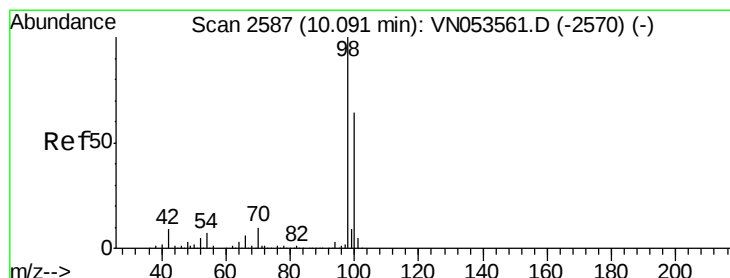
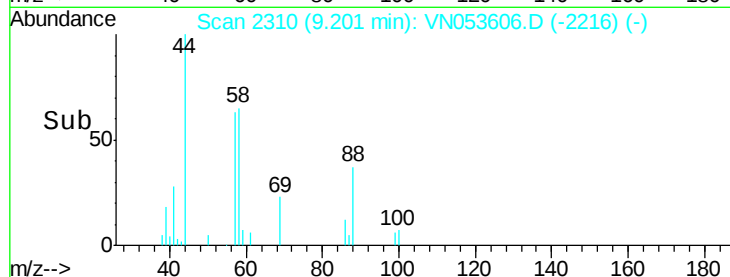
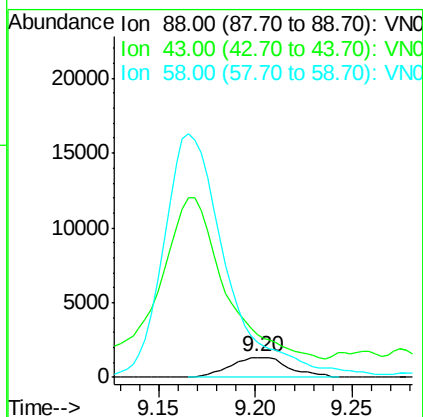
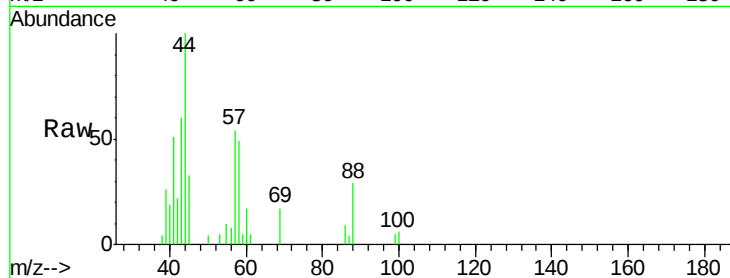




#49
1,4-Dioxane
Concen: 68.540 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

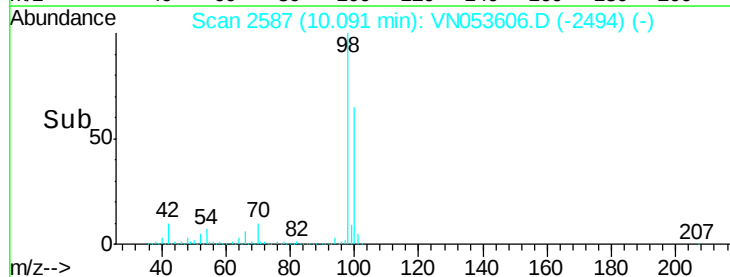
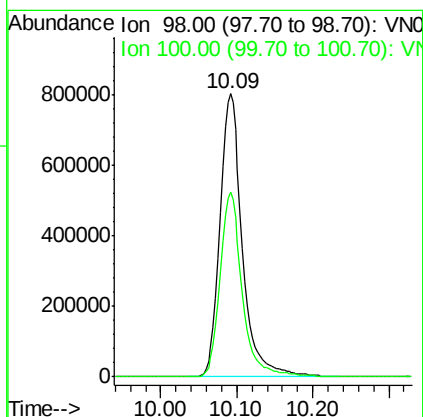
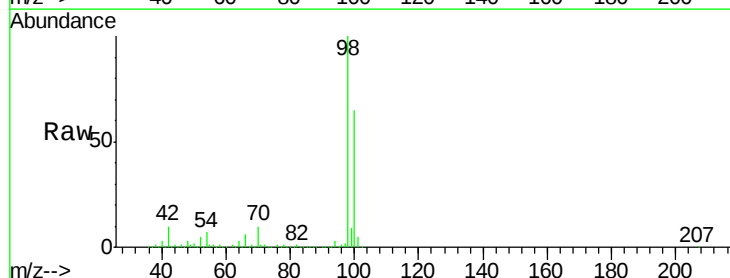
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

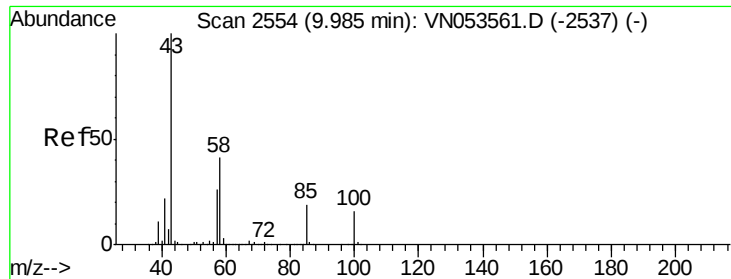
Tot Ion: 88 Resp: 2826
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 0.0 56.5 84.7#



#50
Toluene-d8
Concen: 68.540 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion: 98 Resp: 1640668
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

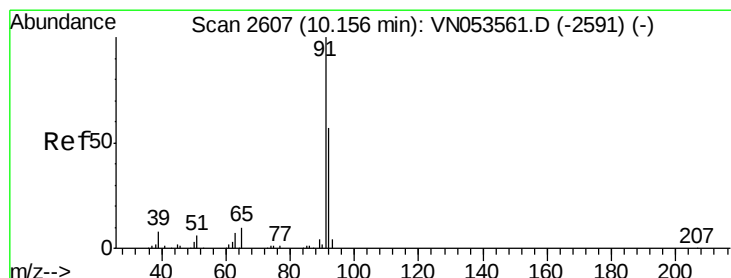
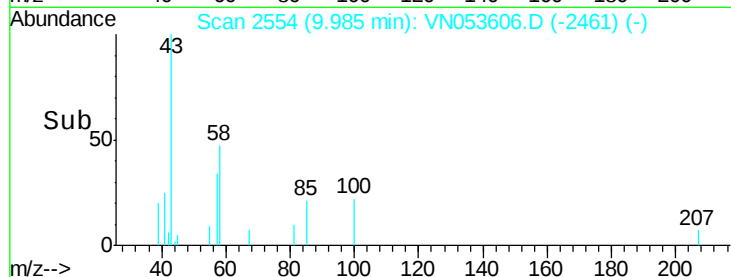
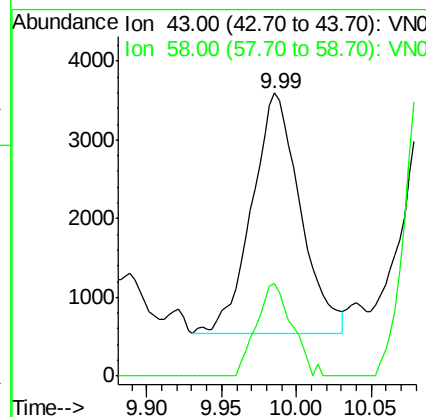
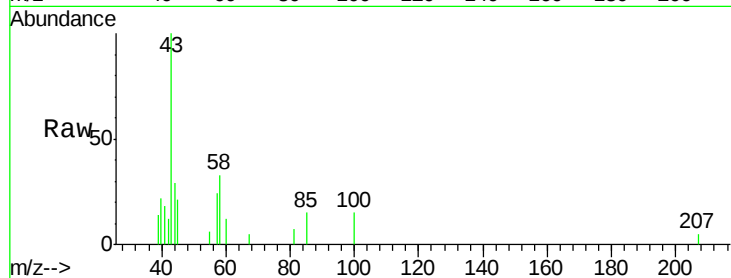




#51
 4-Methyl-2-Pentanone
 Concen: 1.052 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053606.D
 Acq: 4 Feb 2019 19:31

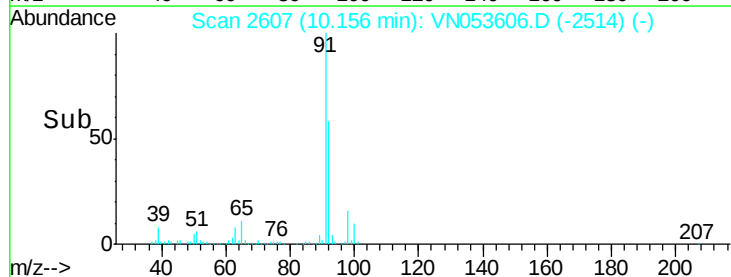
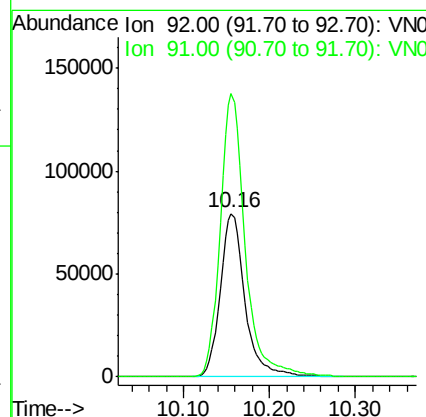
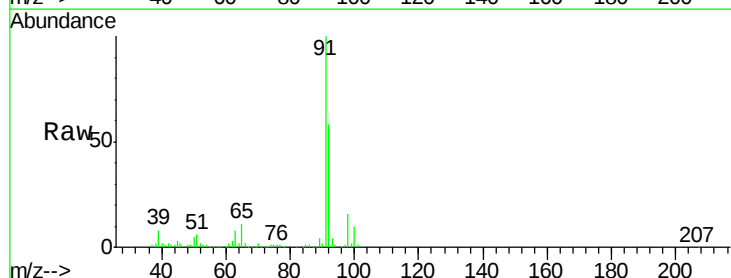
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

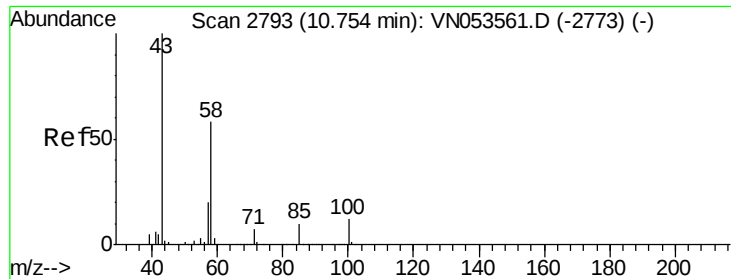
Tot Ion: 43 Resp: 6893
 Ion Ratio Lower Upper
 43 100
 58 28.4 32.8 49.2#



#52
 Toluene
 Concen: 7.071 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053606.D
 Acq: 4 Feb 2019 19:31

Tgt Ion: 92 Resp: 159994
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.9 209.9

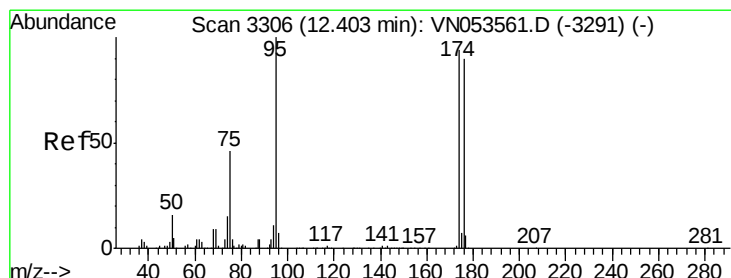
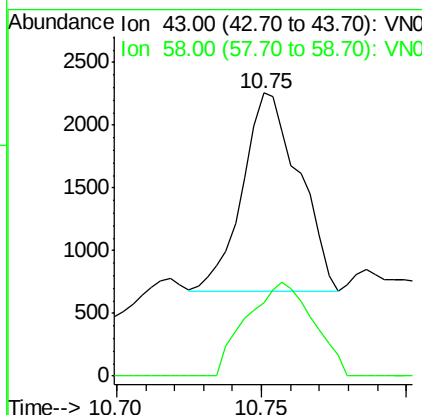
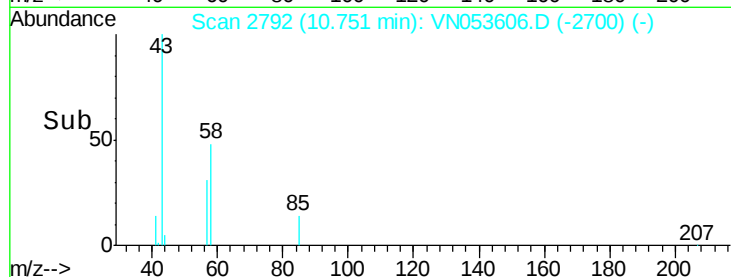
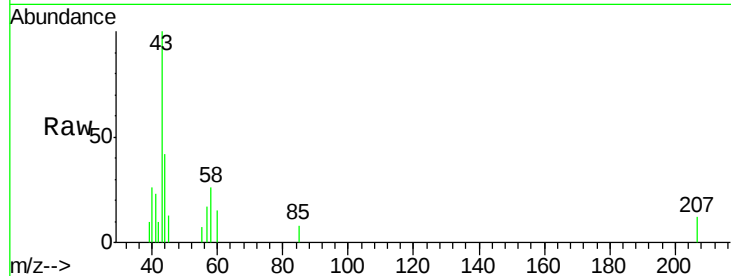




#59
2-Hexanone
Concen: 0.481 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

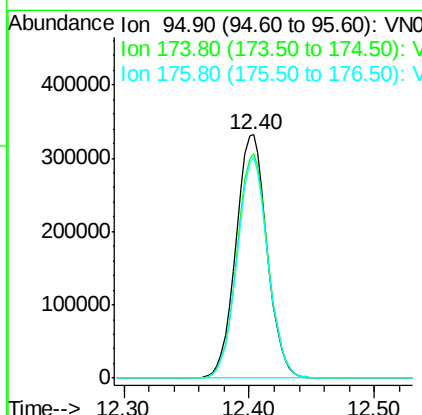
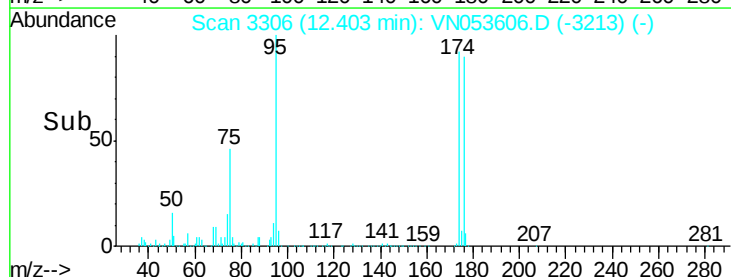
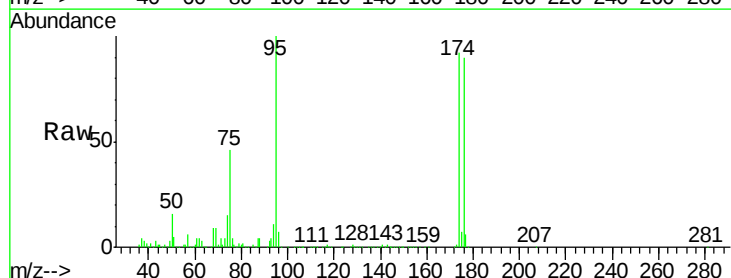
Instrument :
MSVOA_N
ClientSampled :
COMP-1

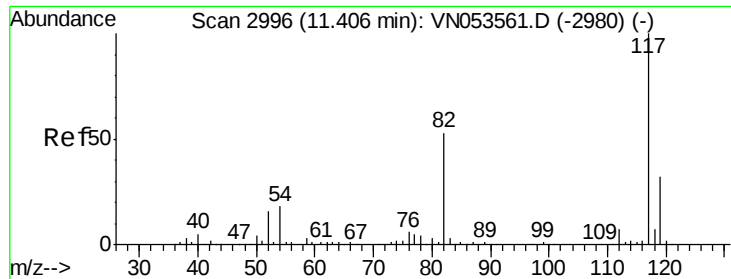
Tot Ion: 43 Resp: 2140
Ion Ratio Lower Upper
43 100
58 55.7 28.6 85.8



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion: 95 Resp: 571561
Ion Ratio Lower Upper
95 100
174 92.3 0.0 183.2
176 89.6 0.0 177.4

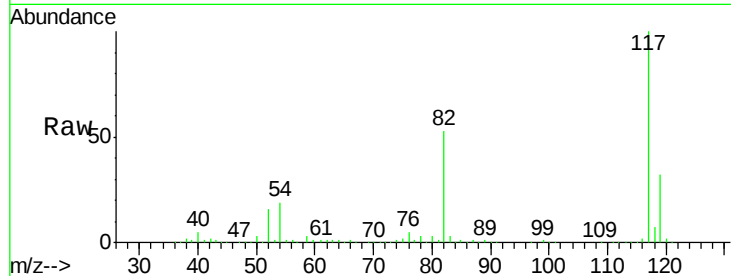




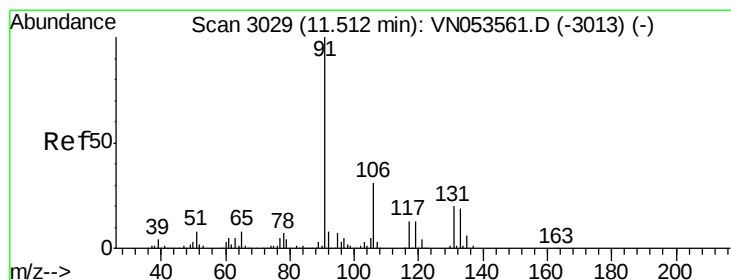
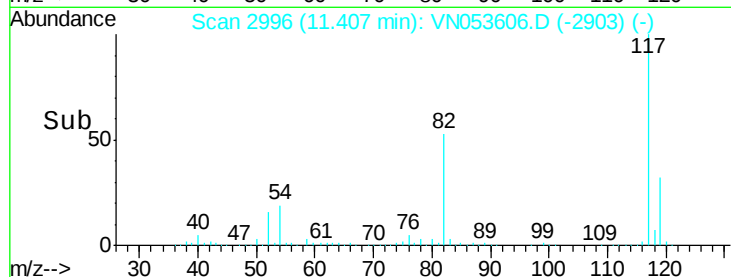
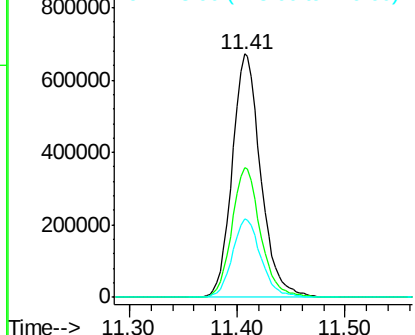
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion:117 Resp: 1233257
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 32.0 26.0 39.0

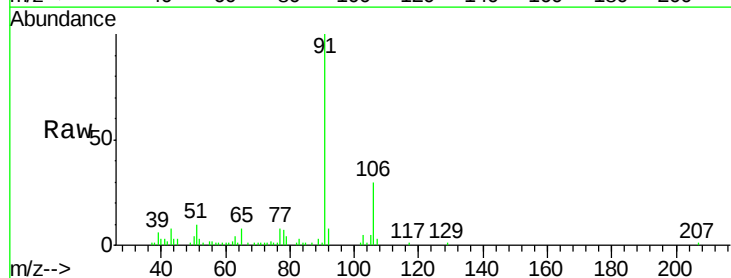


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

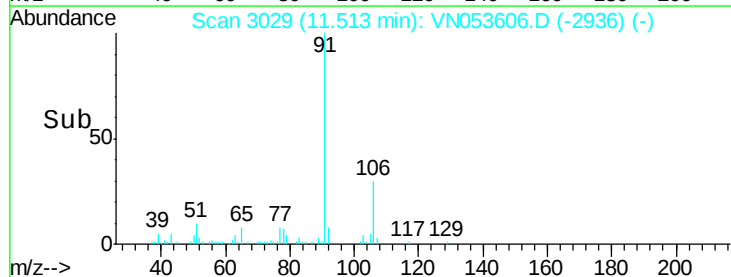
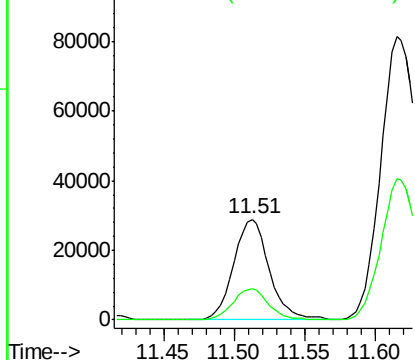


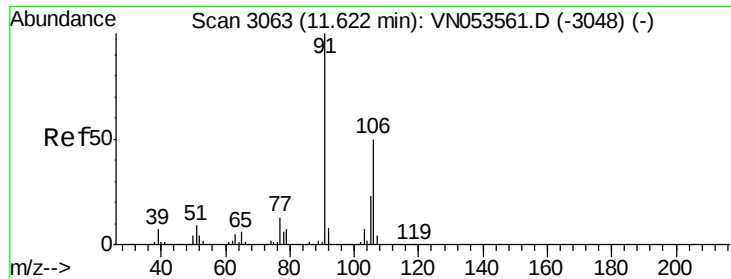
#67
Ethyl Benzene
Concen: 1.194 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion: 91 Resp: 51369
Ion Ratio Lower Upper
91 100
106 30.4 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

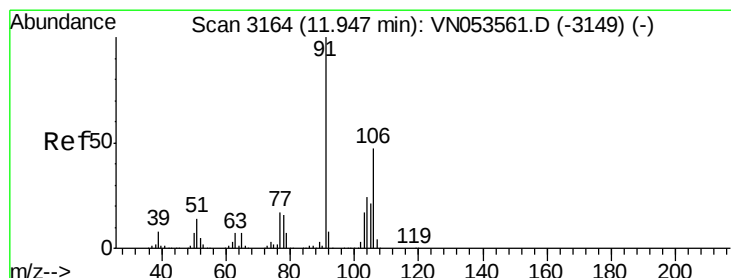
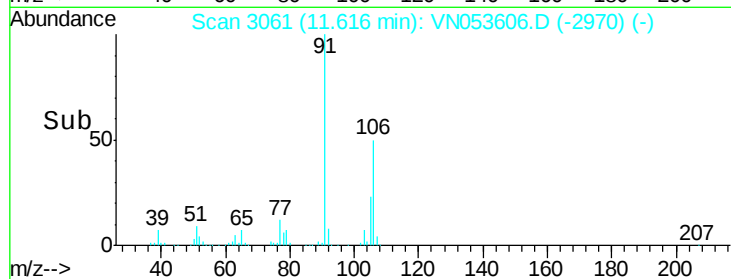
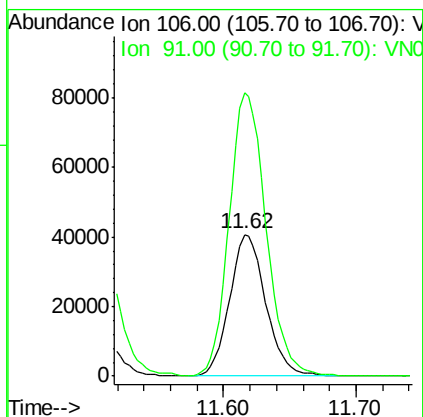
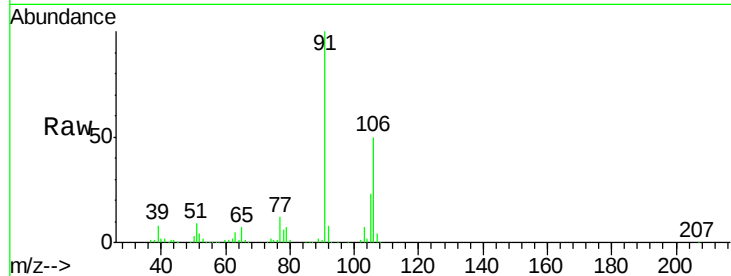




#68
m/p-Xylenes
Concen: 4.685 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

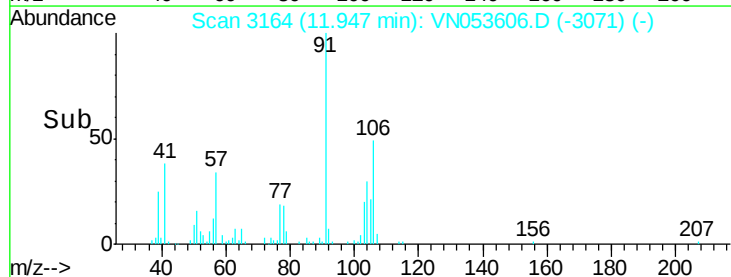
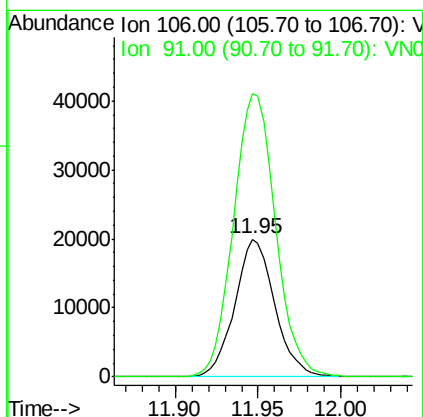
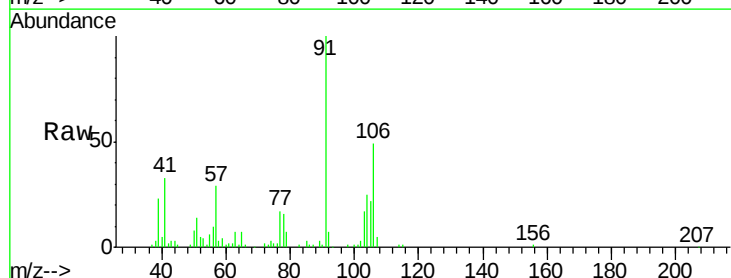
Instrument :
MSVOA_N
ClientSampled :
COMP-1

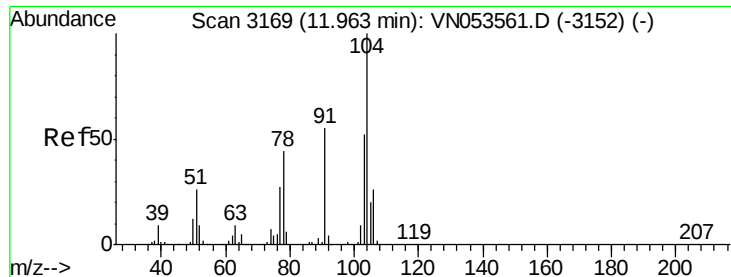
Tot Ion:106 Resp: 76938
Ion Ratio Lower Upper
106 100
91 204.4 161.4 242.2



#69
o-Xylene
Concen: 2.100 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion:106 Resp: 33325
Ion Ratio Lower Upper
106 100
91 216.9 106.9 320.8

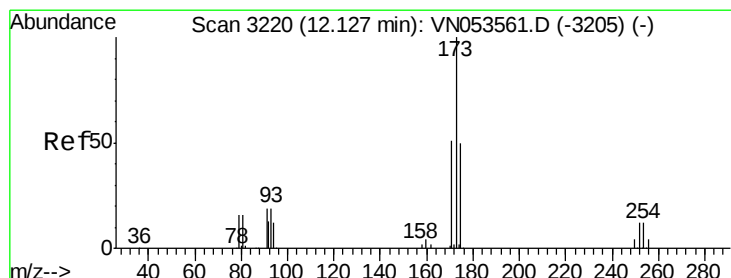
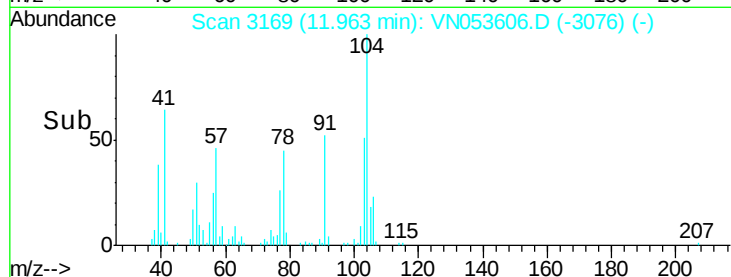
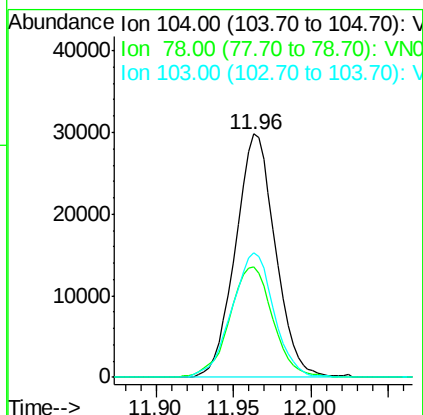
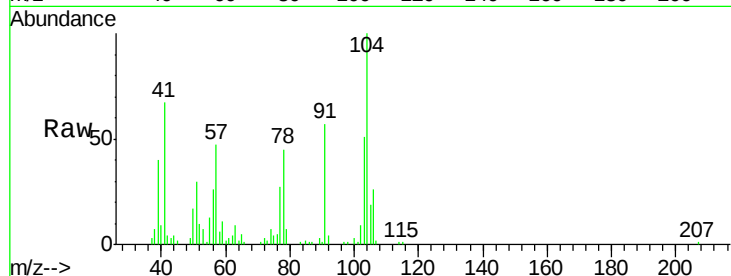




#70
Stvrene
Concen: 2.081 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

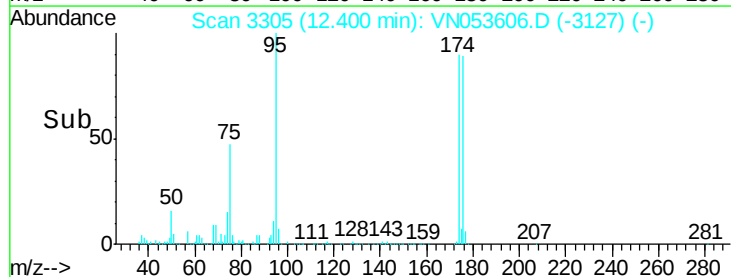
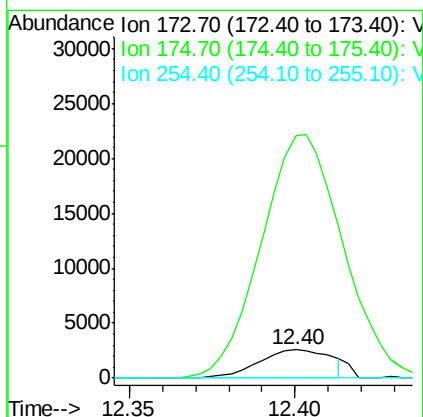
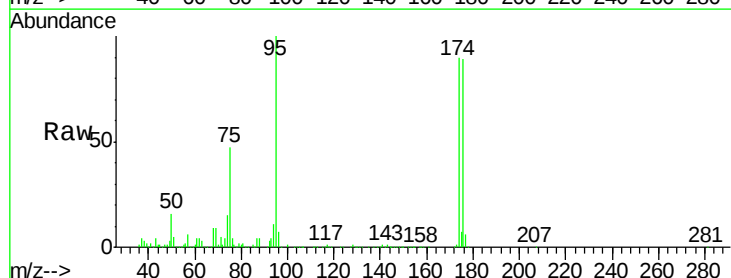
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

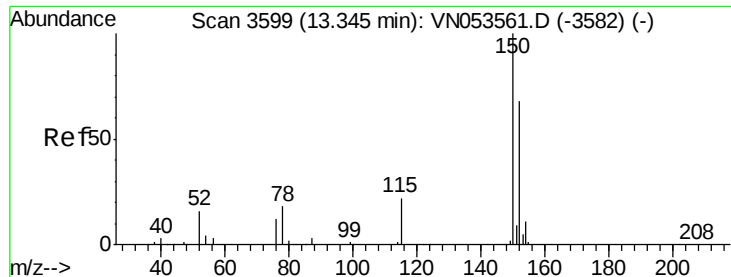
Tot Ion:104 Resp: 53526
Ion Ratio Lower Upper
104 100
78 49.1 38.2 57.2
103 54.0 44.4 66.6



#71
Bromoform
Concen: 0.625 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion:173 Resp: 3921
Ion Ratio Lower Upper
173 100
175 830.3 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

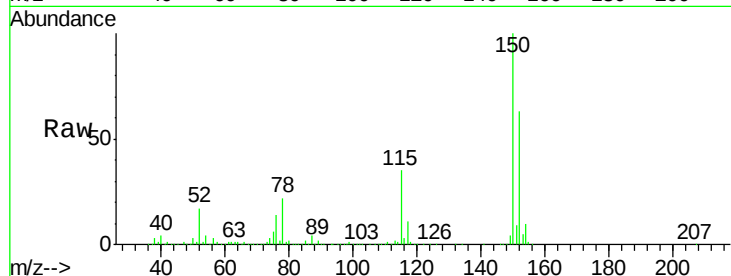
Tot Ion:152 Resp: 558210

Ion Ratio Lower Upper

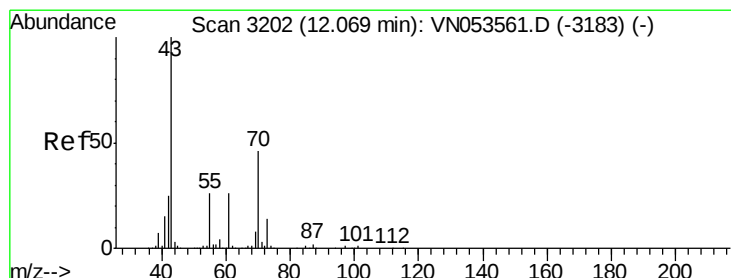
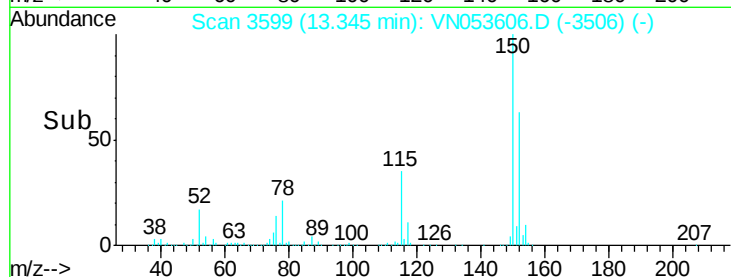
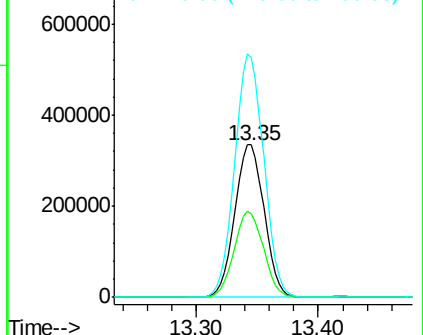
152 100

115 56.1 27.8 83.4

150 158.4 0.0 349.0



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



#74

N-ethyl acetate

Concen: 0.967 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Tgt Ion: 43 Resp: 9126

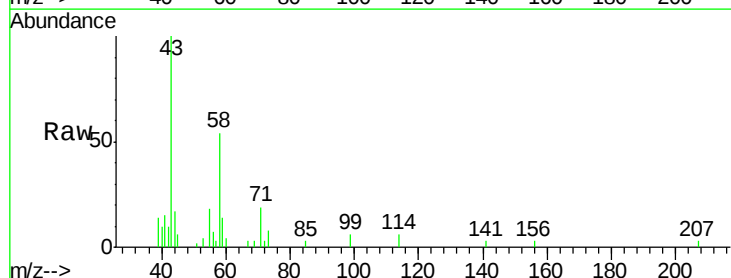
Ion Ratio Lower Upper

43 100

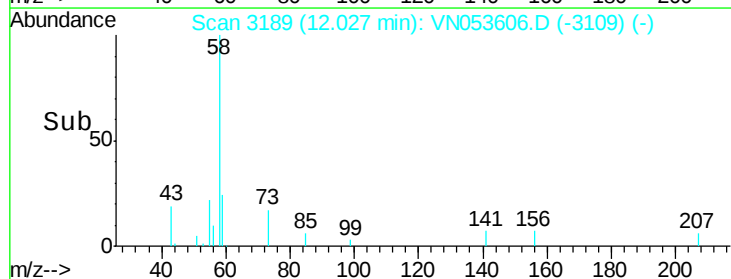
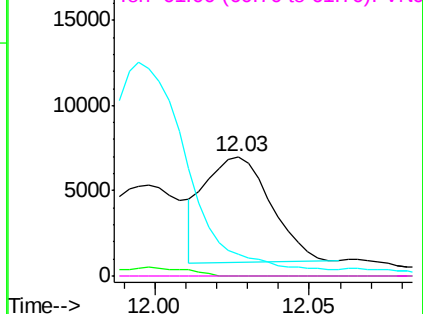
70 0.0 35.4 53.2#

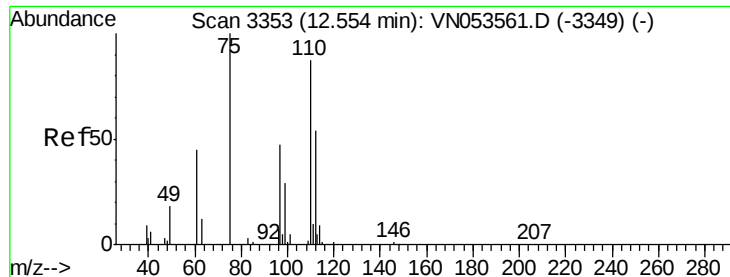
55 0.0 20.9 31.3#

61 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 37.293 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

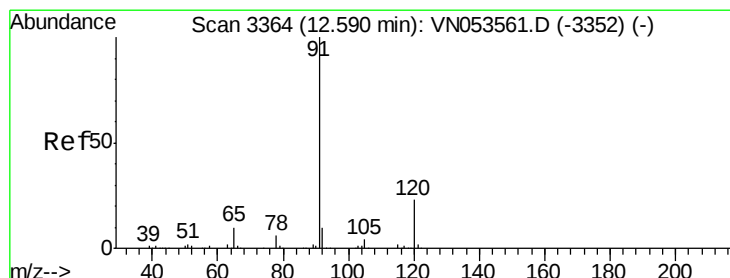
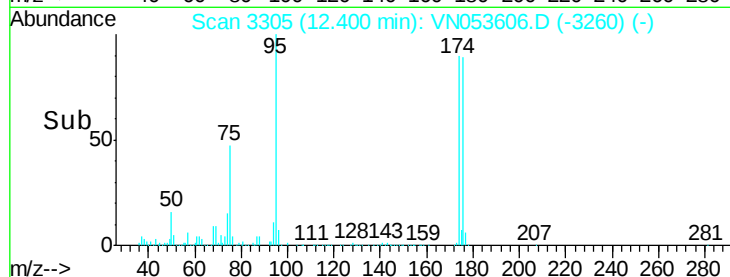
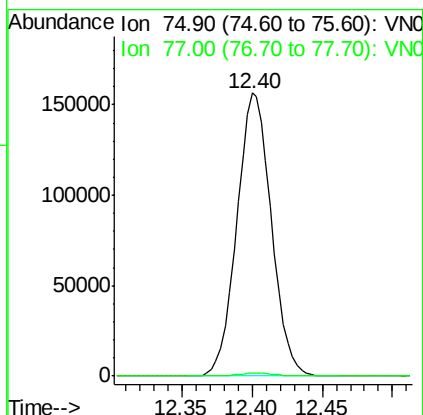
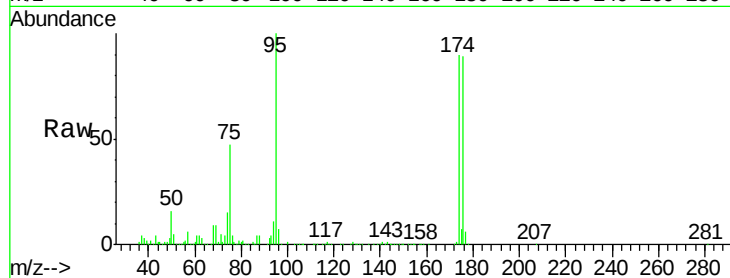
COMP-1

Tot Ion: 75 Resp: 267386

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#78

n-propylbenzene

Concen: 0.231 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053606.D

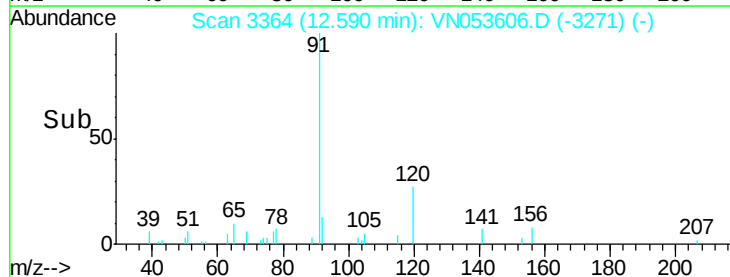
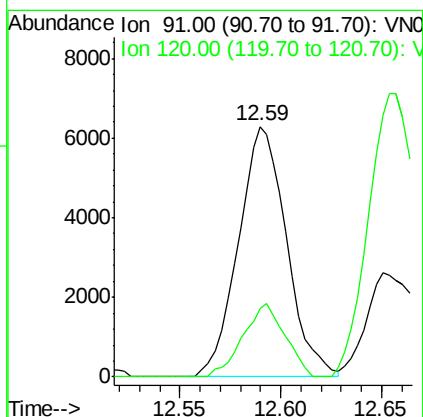
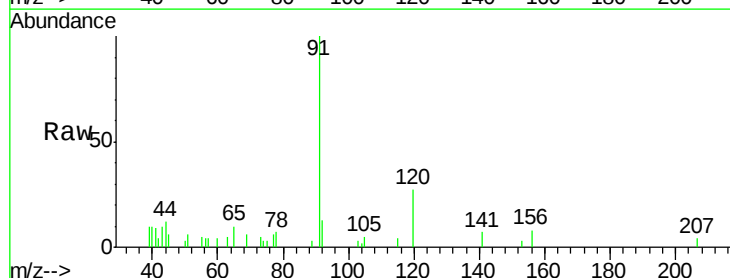
Acq: 4 Feb 2019 19:31

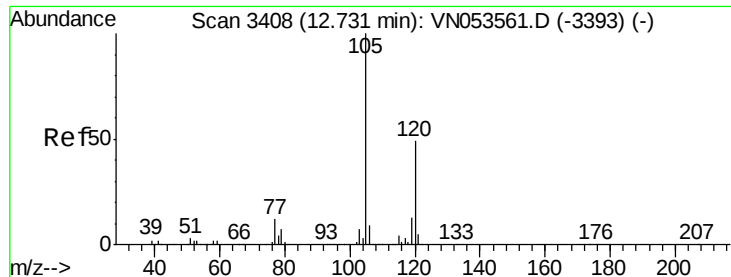
Tgt Ion: 91 Resp: 10488

Ion Ratio Lower Upper

91 100

120 25.6 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 0.892 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

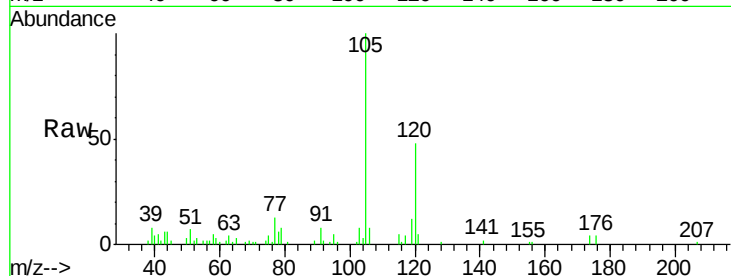
COMP-1

Tot Ion:105 Resp: 29016

Ion Ratio Lower Upper

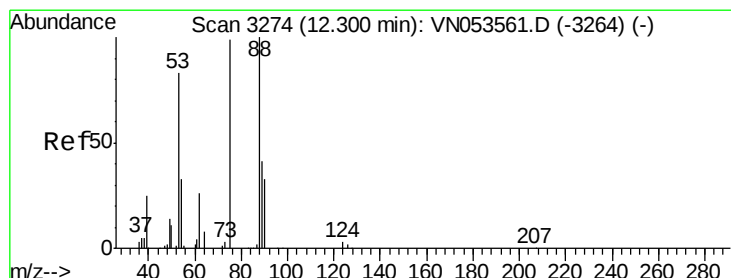
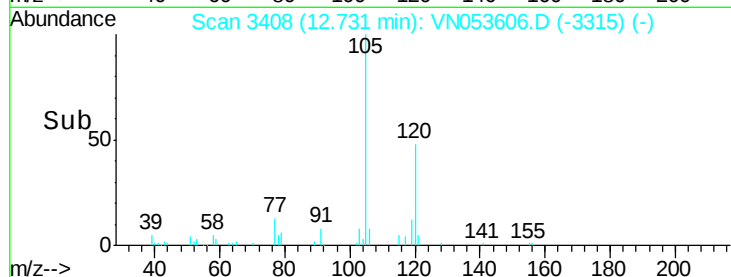
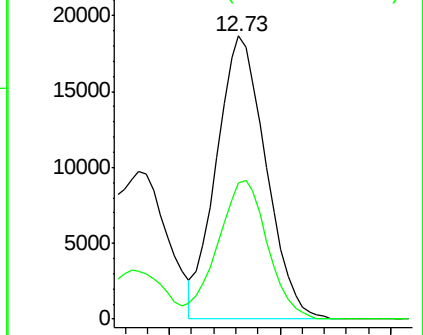
105 100

120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 104.865 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

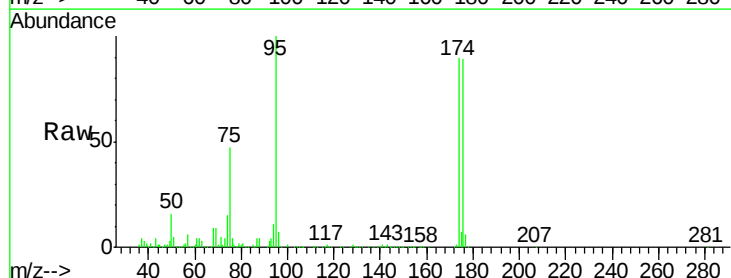
Tgt Ion: 75 Resp: 267386

Ion Ratio Lower Upper

75 100

53 0.5 69.8 104.6#

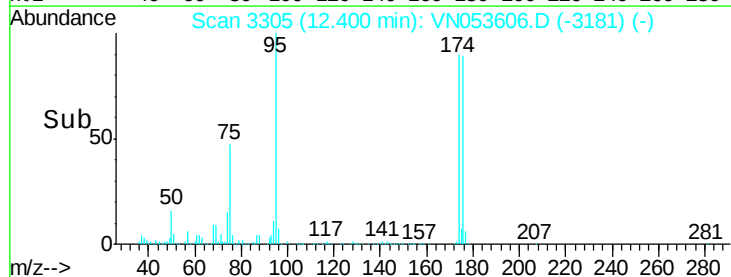
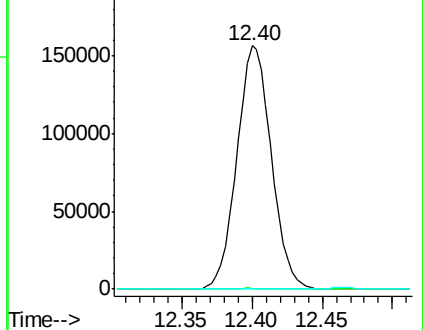
89 0.1 35.6 53.4#

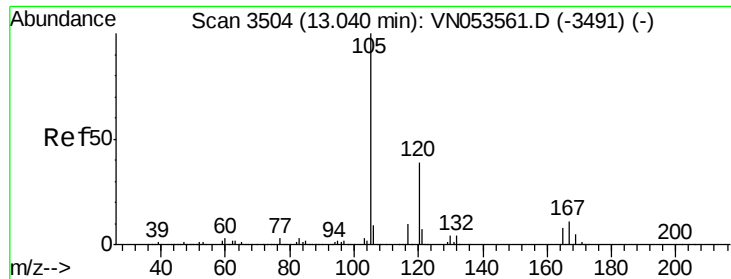


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 2.477 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

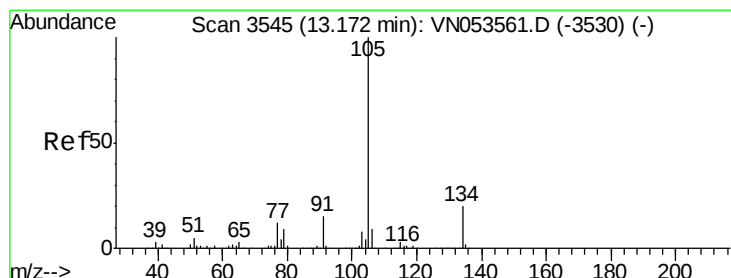
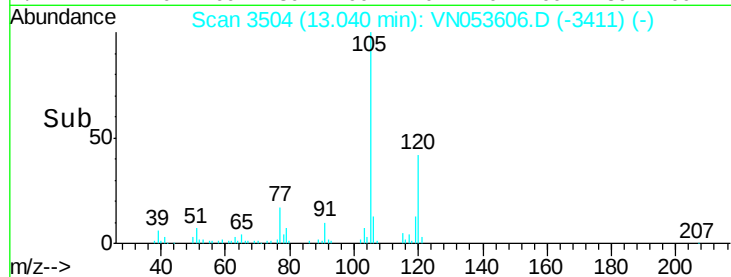
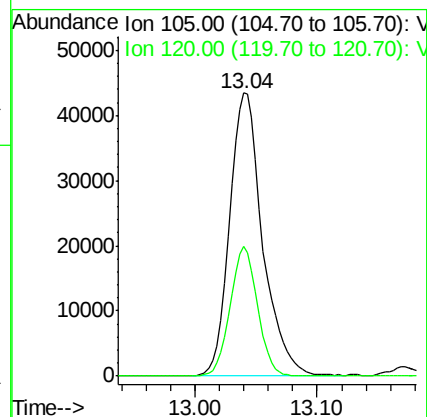
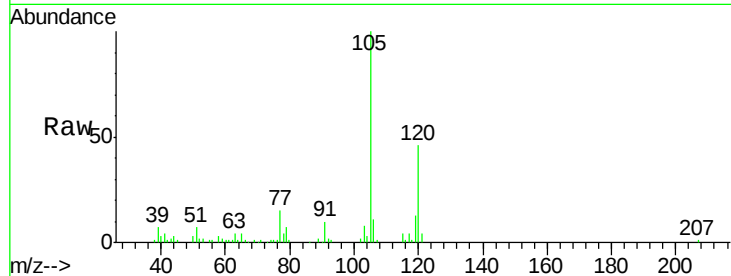
COMP-1

Tot Ion:105 Resp: 82128

Ion Ratio Lower Upper

105 100

120 37.9 23.0 69.0



#85

sec-Butylbenzene

Concen: 2.098 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053606.D

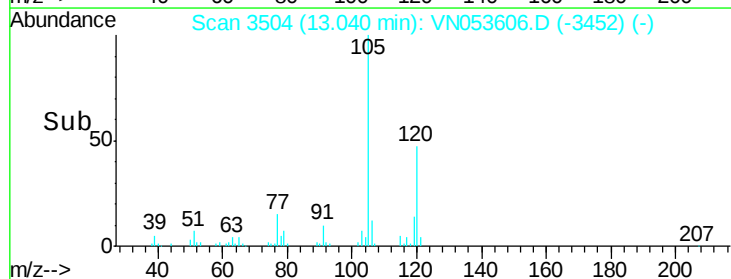
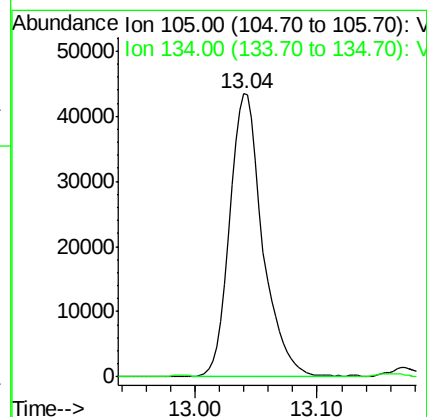
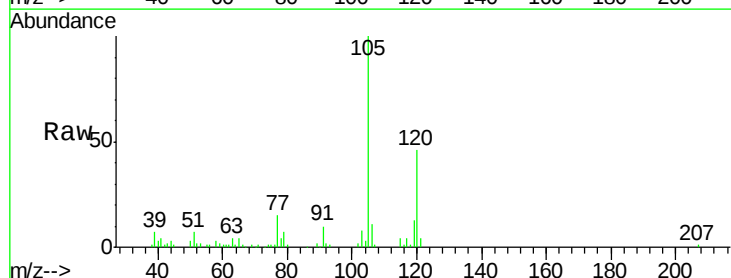
Acq: 4 Feb 2019 19:31

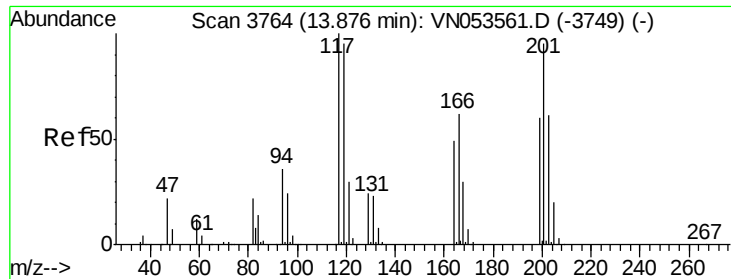
Tgt Ion:105 Resp: 82128

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





#90

Hexachloroethane

Concen: 0.280 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.03 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

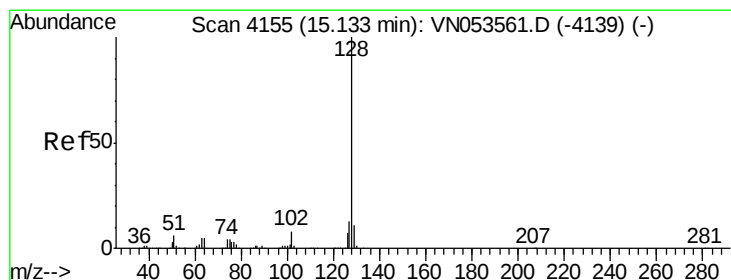
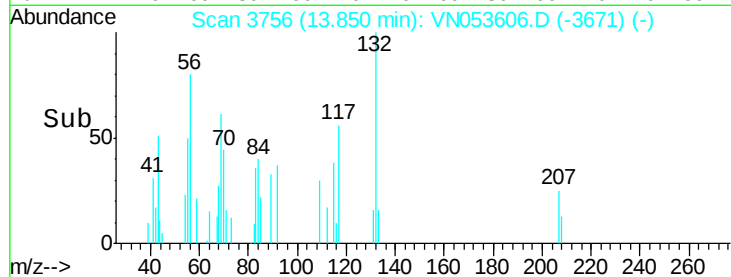
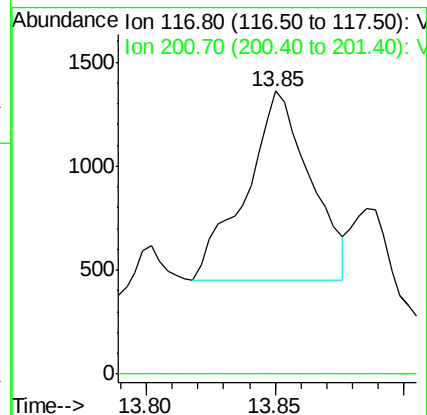
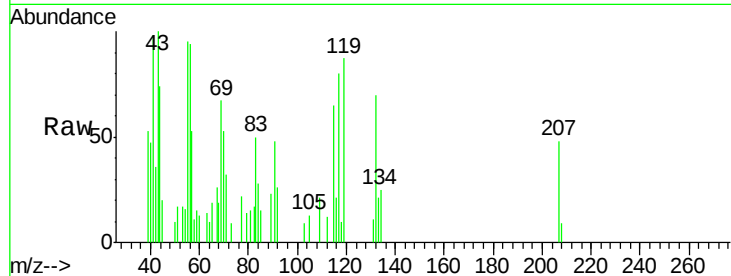
COMP-1

Tot Ion:117 Resp: 1581

Ion Ratio Lower Upper

117 100

201 0.0 46.8 140.4#



#95

Naphthalene

Concen: 21.909 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Tgt Ion:128 Resp: 512459

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.3 8.6 13.0

