

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054390.D
 Acq On : 18 Mar 2019 13:32
 Operator : JC/SP
 Sample : K1928-10ME
 Misc : 6.45g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:10:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1823119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2596993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2312247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1067666	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	828566	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	
35) Dibromofluoromethane	7.59	113	738644	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
50) Toluene-d8	10.09	98	3249425	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.40	95	1015263	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.93	142	1635	1.555	ug/l #	59
13) Acrolein	3.54	56	2614	2.078	ug/l #	1
14) Allyl chloride	4.39	41	126254	5.195	ug/l #	75
15) Acrylonitrile	5.03	53	98680	18.099	ug/l #	33
16) Acetone	3.78	43	108868	19.638	ug/l #	46
18) Methyl Acetate	4.57	43	4932976	439.824	ug/l #	49
20) Methylene Chloride	4.55	84	10740	0.590	ug/l #	1
23) Vinyl Acetate	5.85	43	34237	0.957	ug/l #	75
25) 2-Butanone	6.81	43	20117	3.092	ug/l #	46
26) 2,2-Dichloropropane	6.61	77	12900	0.471	ug/l #	51
29) Tetrahydrofuran	7.21	42	1940	0.464	ug/l #	37
30) Chloroform	7.32	83	167744	5.162	ug/l #	18
31) Cyclohexane	7.64	56	3245859	113.034	ug/l	90
36) 1,1-Dichloropropene	7.66	75	111587	4.666	ug/l #	70
37) Ethyl Acetate	6.81	43	20117	1.464	ug/l #	69
38) Carbon Tetrachloride	7.66	117	149984	5.980	ug/l #	15
39) Methylcyclohexane	9.08	83	5621957	191.055	ug/l	99
40) Benzene	8.04	78	2492138	36.414	ug/l	99
41) Methacrylonitrile	7.20	41	18358	2.340	ug/l #	43
42) 1,2-Dichloroethane	8.16	62	4872	0.211	ug/l #	1
43) Isopropyl Acetate	8.15	43	343249	14.230	ug/l #	60
47) Bromodichloromethane	9.38	83	214174	9.304	ug/l #	25
48) Methyl methacrylate	9.14	41	264762	21.629	ug/l #	29
51) 4-Methyl-2-Pentanone	9.87	43	2223854	174.217	ug/l #	41
52) Toluene	10.16	92	15463389	356.345	ug/l #	1
53) t-1,3-Dichloropropene	10.16	75	163415	7.946	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	408533	25.783	ug/l #	20
56) Ethyl methacrylate	10.43	69	80065	4.238	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.67	63	2580	17.122	ug/l #	44
59) 2-Hexanone	10.72	43	526436	61.979	ug/l #	29
61) 1,2-Dibromoethane	11.01	107	10366	0.644	ug/l #	2
67) Ethyl Benzene	11.51	91	9438022	112.142	ug/l	99
68) m/p-Xylenes	11.62	106	11688246	355.330	ug/l #	1
69) o-Xylene	11.95	106	3833678	119.555	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

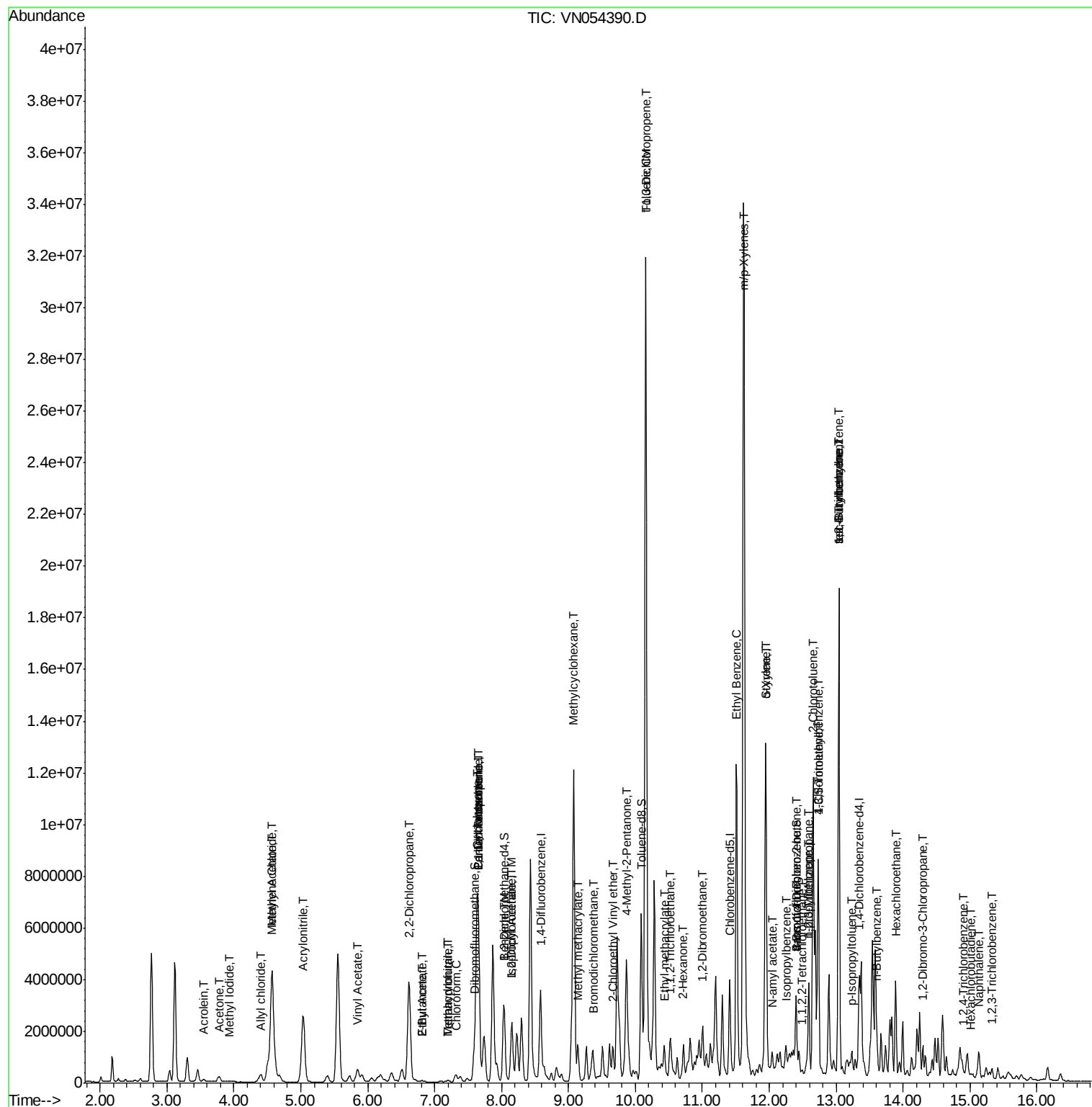
70) Styrene	11.95	104	188258	3.743	ug/l #	1
71) Bromoform	12.40	173	5515	2.724	ug/l #	1
73) Isopropylbenzene	12.25	105	775756	9.082	ug/l	100
74) N-amyl acetate	12.04	43	177174	9.344	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.49	83	6084	0.334	ug/l #	1
76) 1,2,3-Trichloropropane	12.59	75	14106	0.898	ug/l #	100
78) n-propylbenzene	12.59	91	2966476	32.006	ug/l	99
79) 2-Chlorotoluene	12.65	91	782833	14.047	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	3649662	51.366	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	463731	100.967	ug/l #	11
82) 4-Chlorotoluene	12.73	91	349805	6.286	ug/l #	40
83) tert-Butylbenzene	13.04	119	1416283	21.656	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	11155288	160.036	ug/l	100
85) sec-Butylbenzene	13.04	105	11155288	131.528	ug/l #	55
86) p-Isopropyltoluene	13.23	119	382460	5.140	ug/l	97
89) n-Butylbenzene	13.61	91	529355	9.363	ug/l #	70
90) Hexachloroethane	13.89	117	181691	14.747	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.29	75	3385	1.202	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	12061	3.026	ug/l #	81
94) Hexachlorobutadiene	15.01	225	3503	0.247	ug/l	92
95) Naphthalene	15.13	128	837272	20.109	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	13348	0.675	ug/l #	79

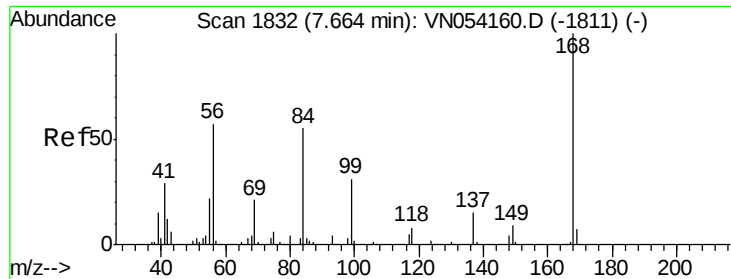
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

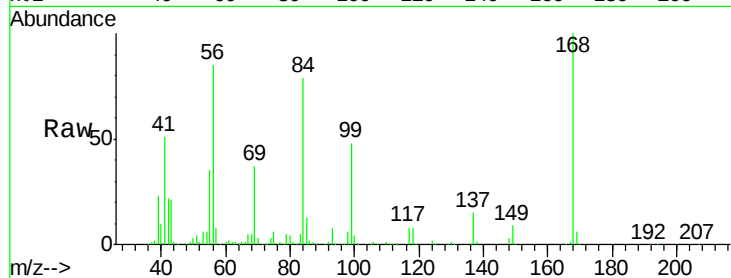
ClientSampled :

Tot Ion:168 Resp: 1823119

Ion Ratio Lower Upper

168 100

99 47.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

800000

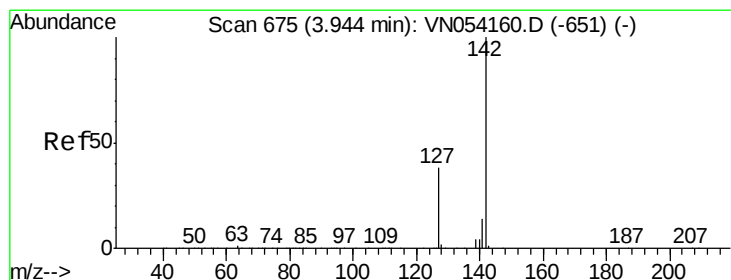
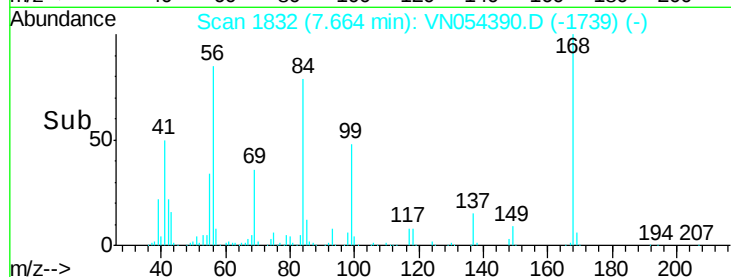
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.555 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

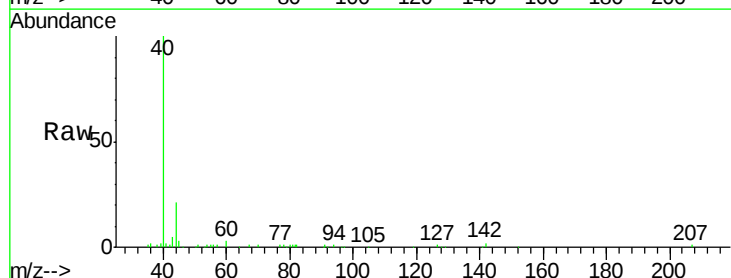
Tgt Ion:142 Resp: 1635

Ion Ratio Lower Upper

142 100

127 10.0 30.3 45.5#

141 3.5 11.2 16.8#



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

3.93

1000

800

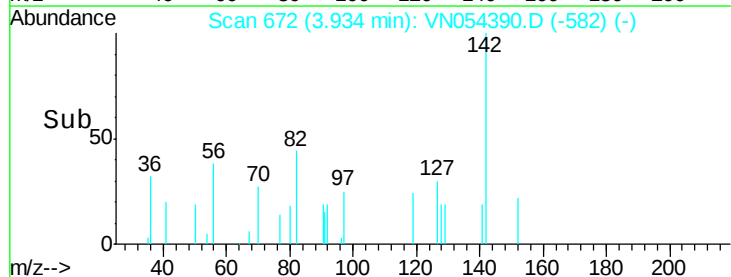
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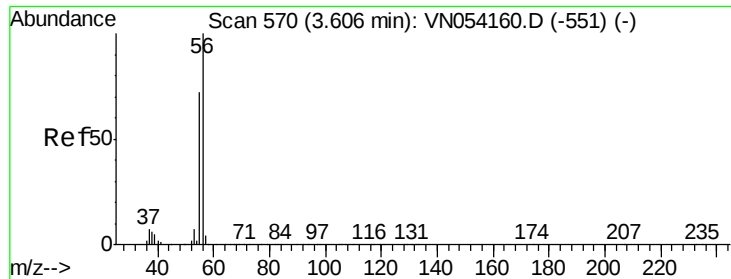
400

200

0

Time-->





#13

Acrolein

Concen: 2.078 ug/l

RT: 3.54 min Scan# 551

Delta R.T. -0.06 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

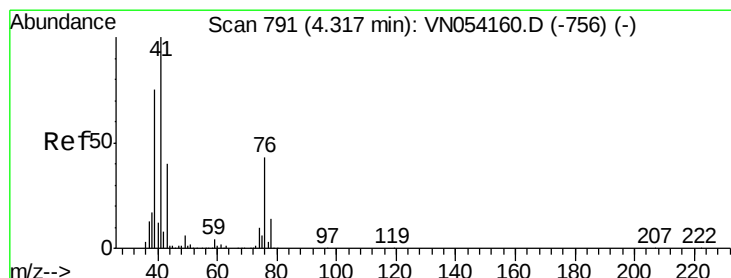
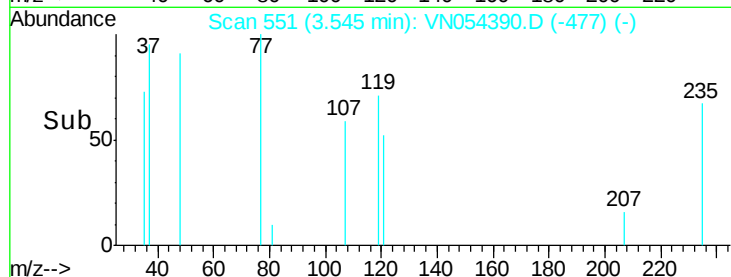
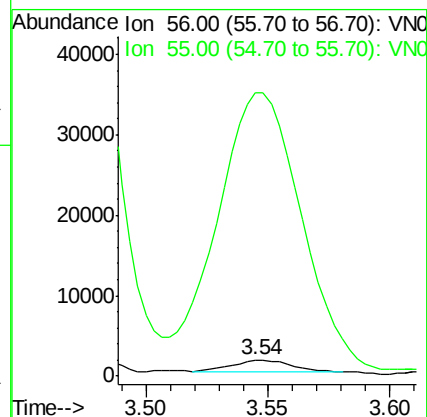
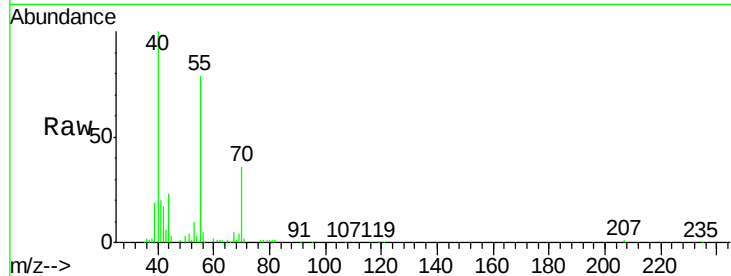
ClientSampled :

Tot Ion: 56 Resp: 2614

Ion Ratio Lower Upper

56 100

55 3141.9 56.7 85.1#



#14

Allyl chloride

Concen: 5.195 ug/l

RT: 4.39 min Scan# 813

Delta R.T. 0.07 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

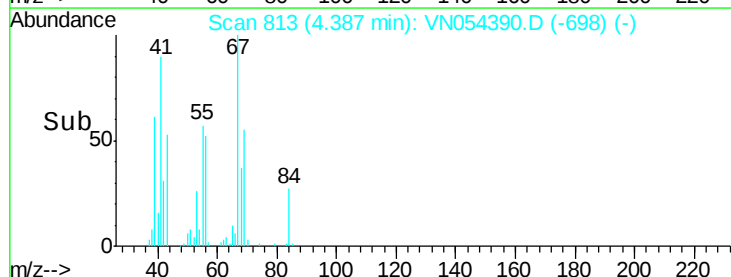
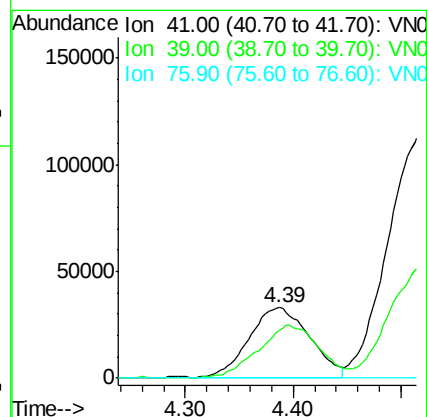
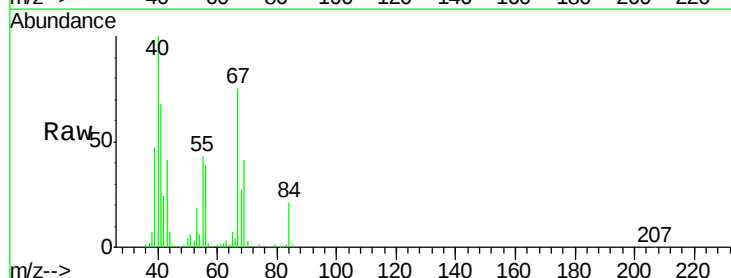
Tgt Ion: 41 Resp: 126254

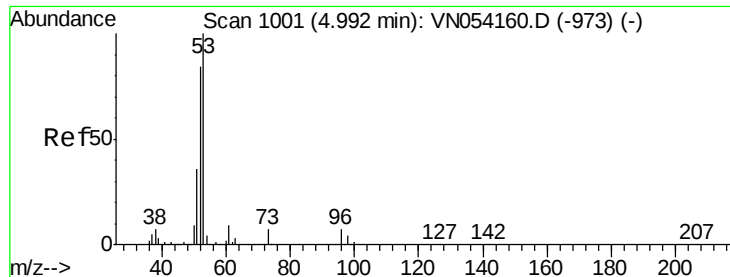
Ion Ratio Lower Upper

41 100

39 75.2 58.2 87.4

76 0.0 31.7 47.5#





#15

Acrylonitrile

Concen: 18.099 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.04 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

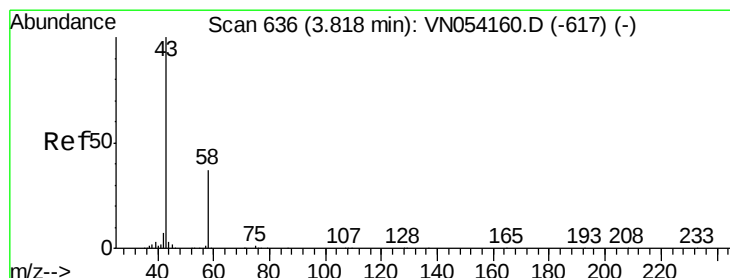
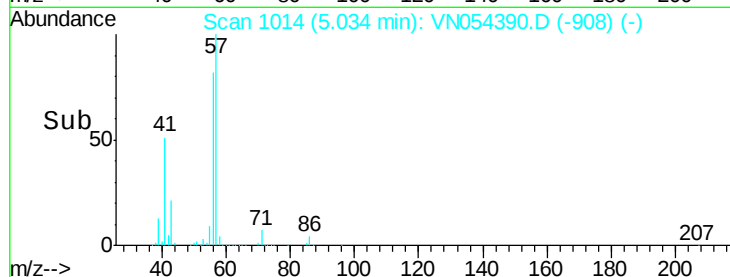
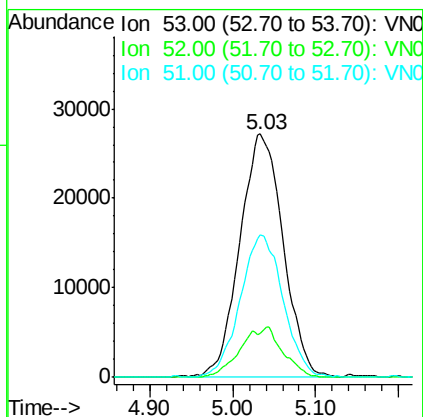
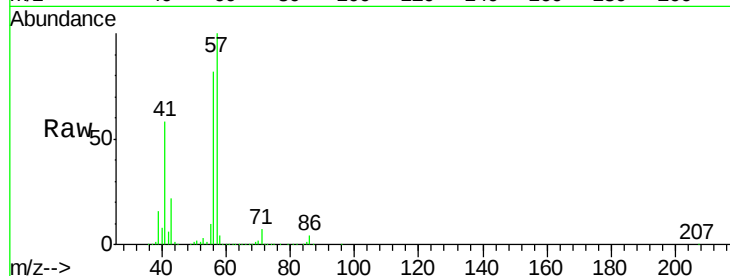
Tot Ion: 53 Resp: 98680

Ion Ratio Lower Upper

53 100

52 9.5 66.4 99.6#

51 58.0 29.6 44.4#



#16

Acetone

Concen: 19.638 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.04 min

Lab File: VN054390.D

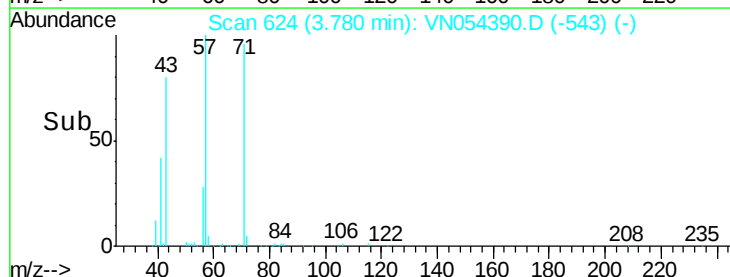
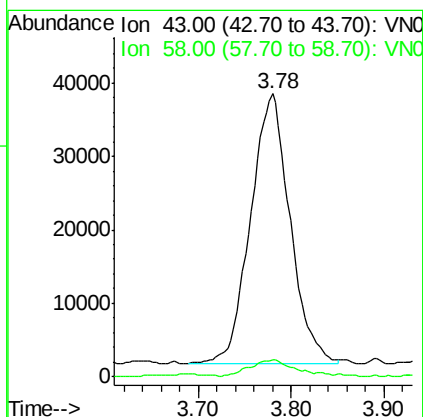
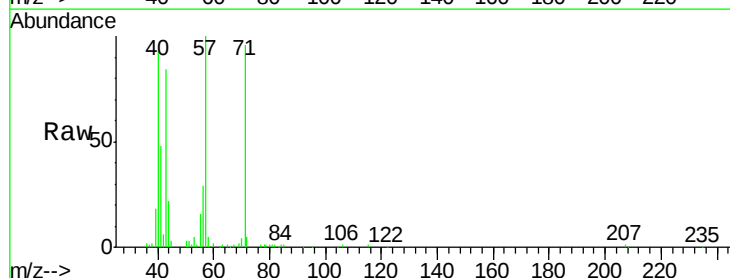
Acq: 18 Mar 2019 13:32

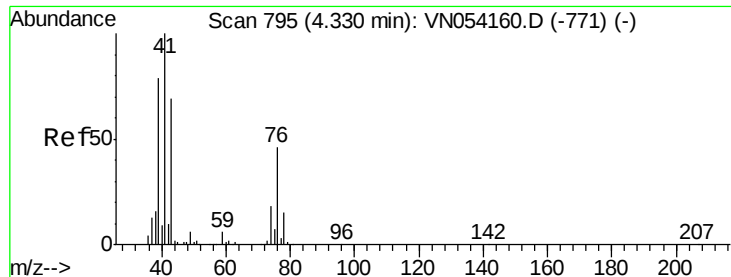
Tgt Ion: 43 Resp: 108868

Ion Ratio Lower Upper

43 100

58 5.3 29.9 44.9#

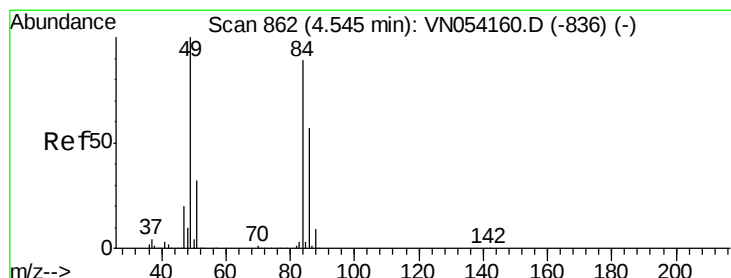
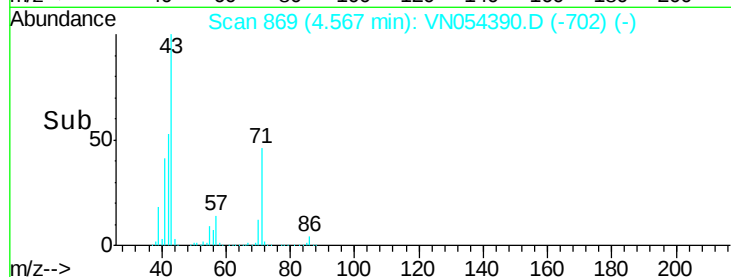
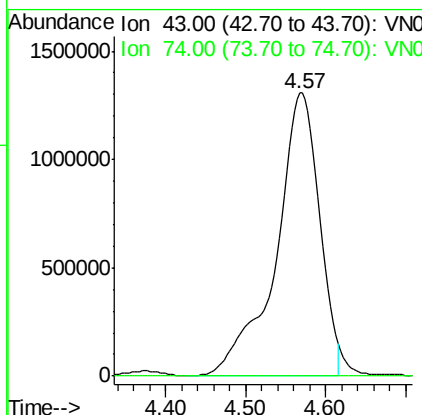
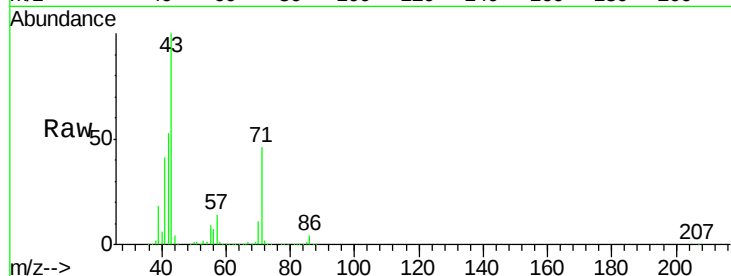




#18
Methyl Acetate
Concen: 439.824 ug/l
RT: 4.57 min Scan# 869
Delta R.T. 0.24 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

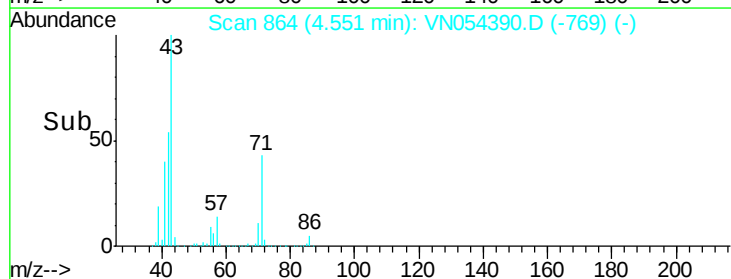
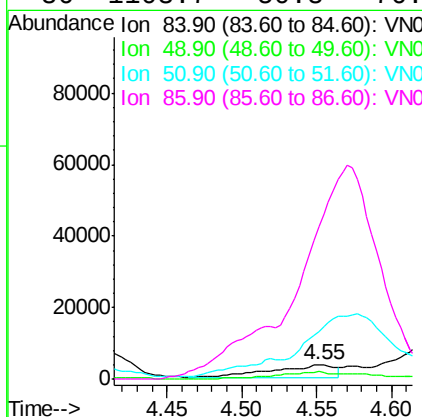
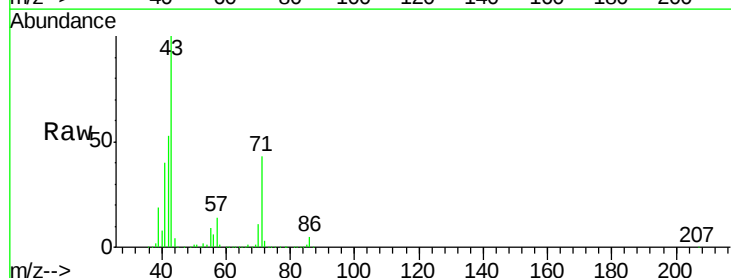
Instrument :
MSVOA_N
ClientSampled :

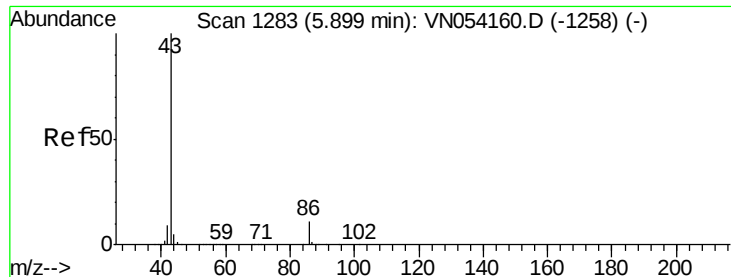
Tot Ion: 43 Resp: 4932976
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#20
Methylene Chloride
Concen: 0.590 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion: 84 Resp: 10740
Ion Ratio Lower Upper
84 100
49 50.1 89.7 134.5#
51 346.7 28.2 42.4#
86 1103.7 50.8 76.2#





#23

Vinyl Acetate

Concen: 0.957 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.05 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

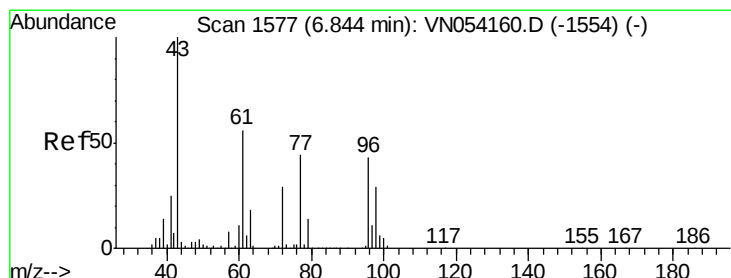
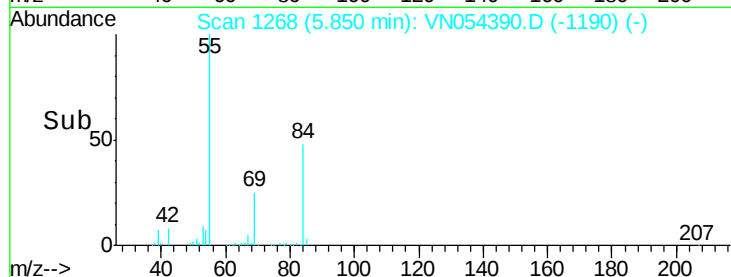
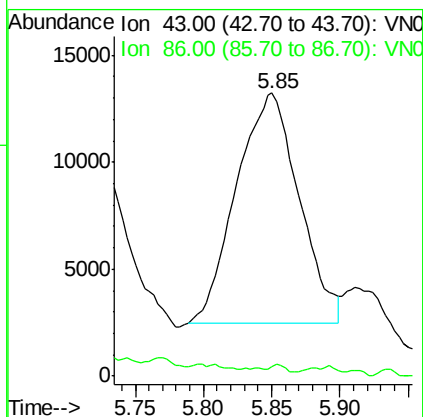
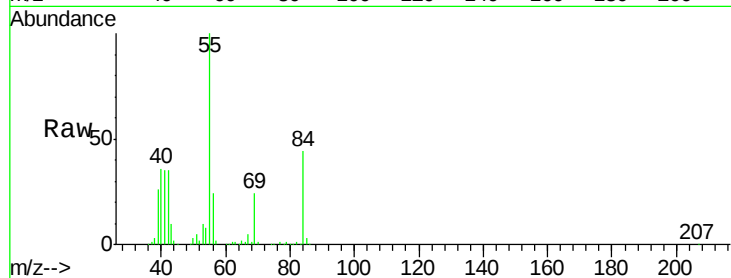
ClientSampled :

Tot Ion: 43 Resp: 34237

Ion Ratio Lower Upper

43 100

86 1.7 9.1 13.7#



#25

2-Butanone

Concen: 3.092 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.04 min

Lab File: VN054390.D

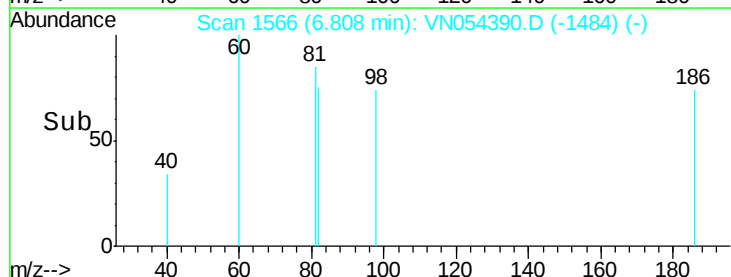
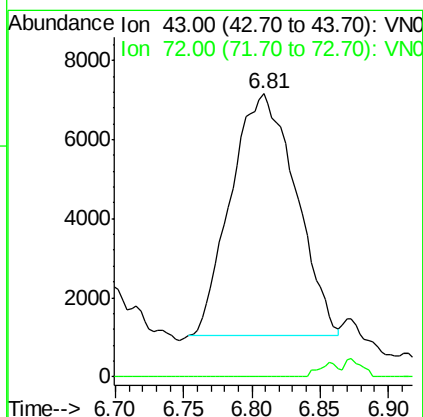
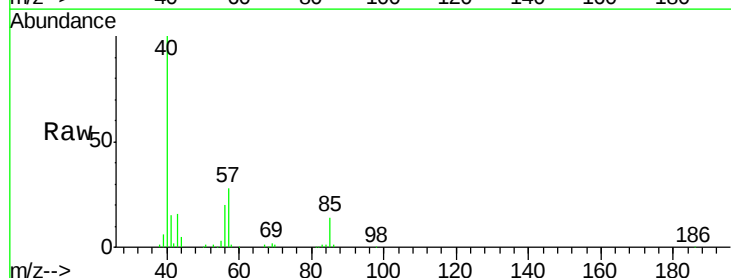
Acq: 18 Mar 2019 13:32

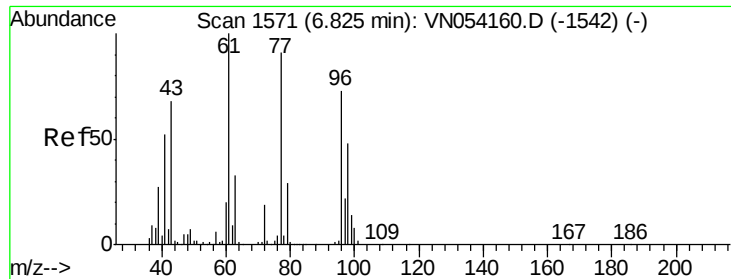
Tgt Ion: 43 Resp: 20117

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#





#26

2,2-Dichloropropane

Concen: 0.471 ug/l

RT: 6.61 min Scan# 1504

Delta R.T. -0.22 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

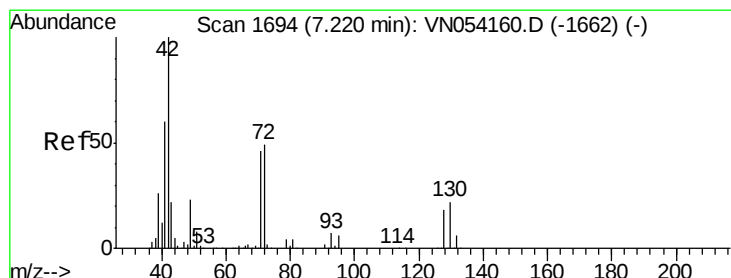
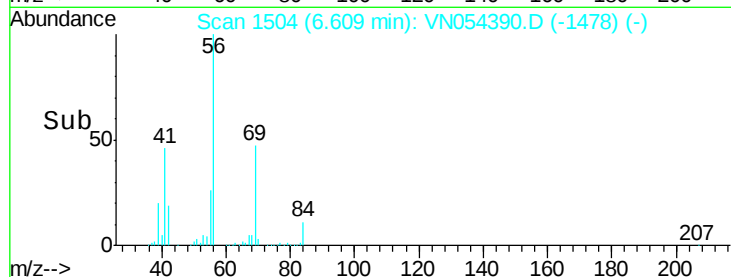
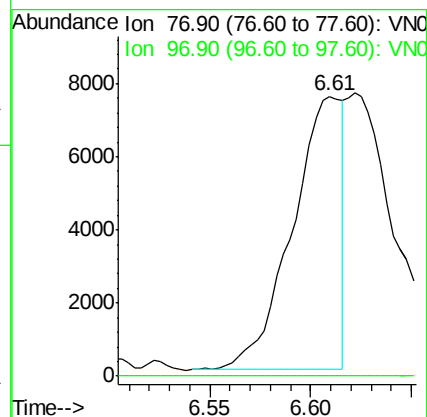
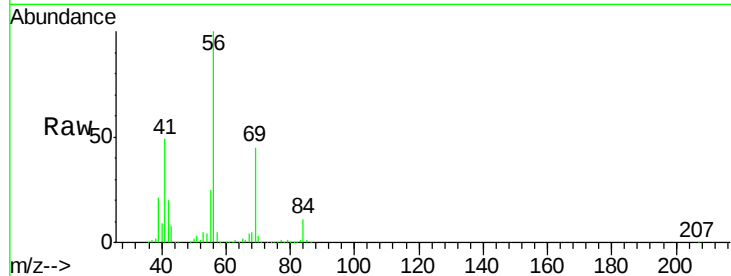
ClientSampled :

Tot Ion: 77 Resp: 12900

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.9#



#29

Tetrahydrofuran

Concen: 0.464 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.01 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

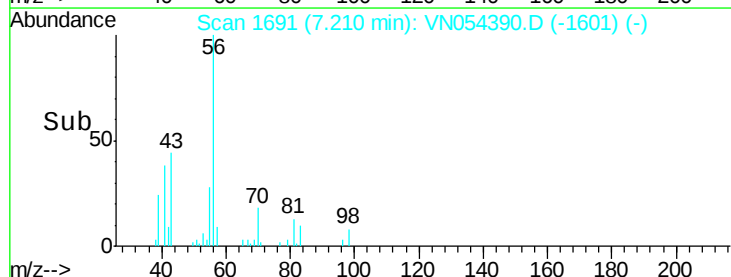
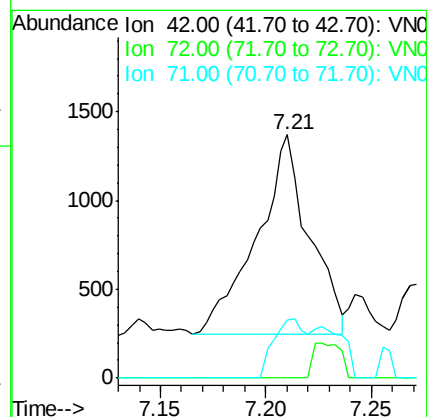
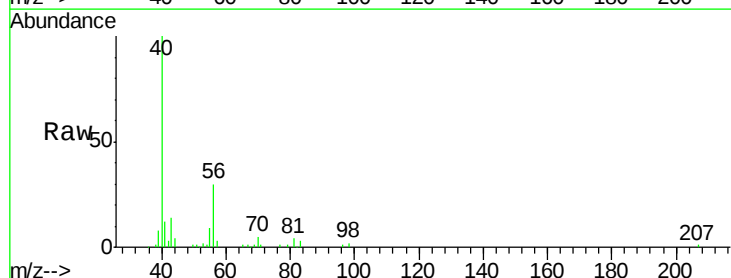
Tgt Ion: 42 Resp: 1940

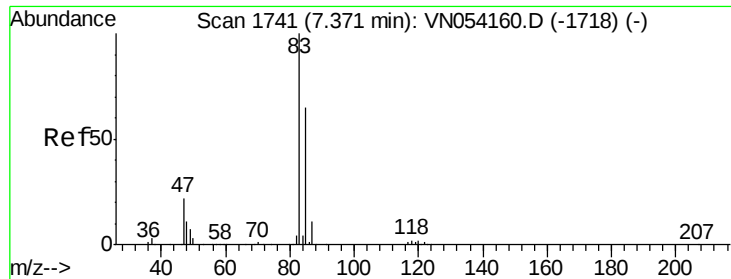
Ion Ratio Lower Upper

42 100

72 9.1 37.8 56.6#

71 0.0 36.2 54.2#

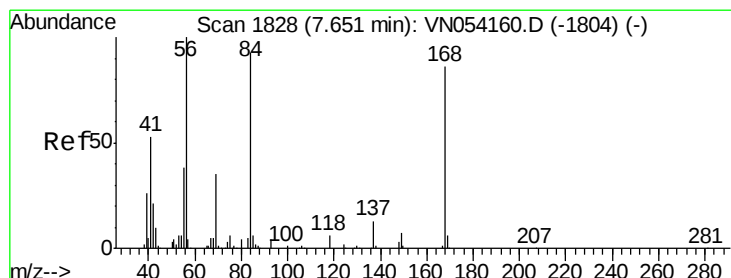
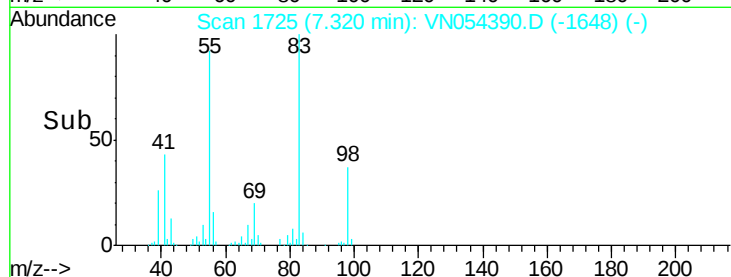
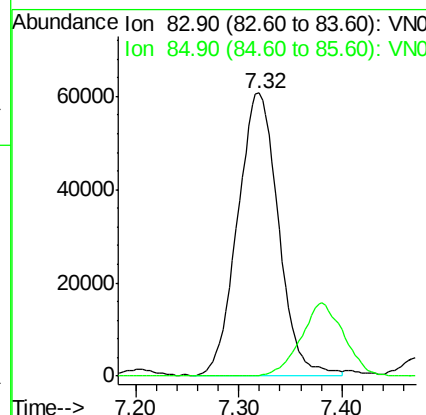
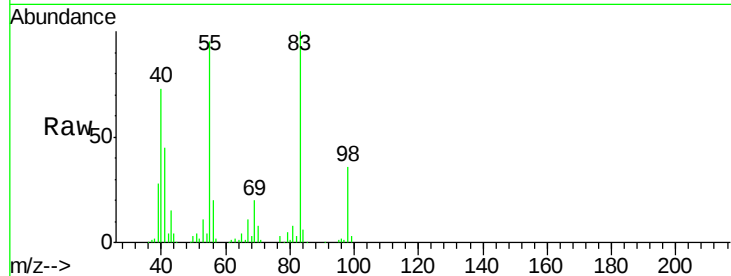




#30
Chloroform
Concen: 5.162 ug/l
RT: 7.32 min Scan# 1725
Delta R.T. -0.05 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

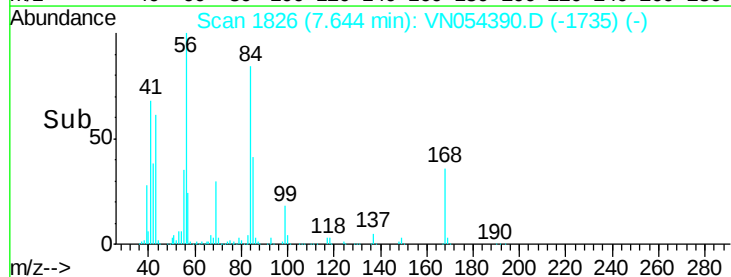
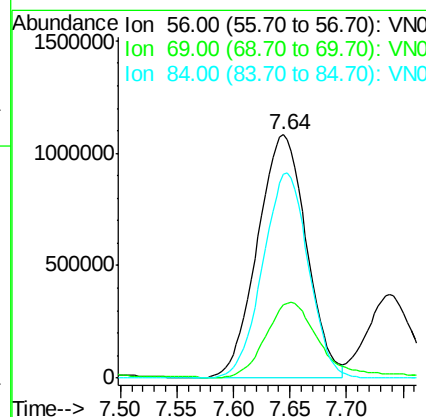
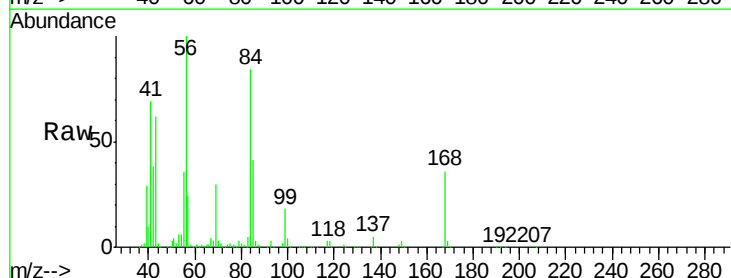
Instrument :
MSVOA_N
ClientSampled :

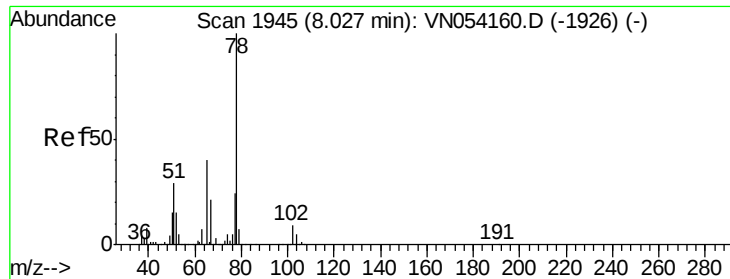
Tot Ion: 83 Resp: 167744
Ion Ratio Lower Upper
83 100
85 0.3 52.2 78.4#



#31
Cyclohexane
Concen: 113.034 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion: 56 Resp: 3245859
Ion Ratio Lower Upper
56 100
69 29.5 27.8 41.6
84 83.8 74.6 111.8

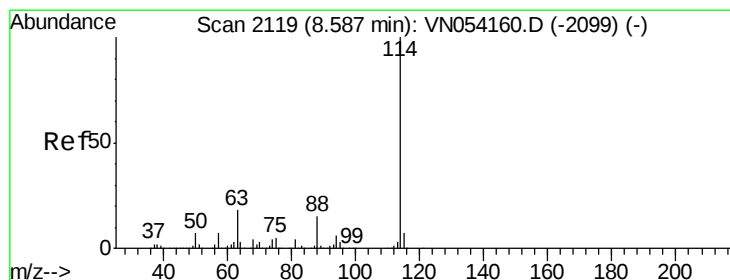
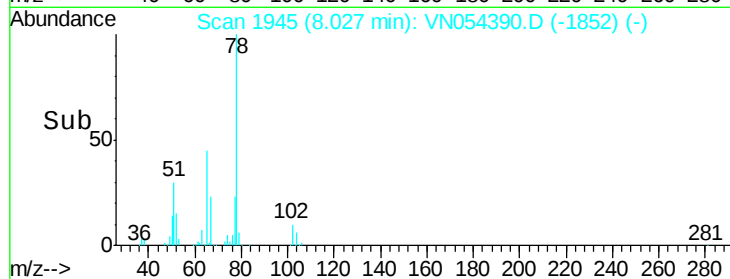
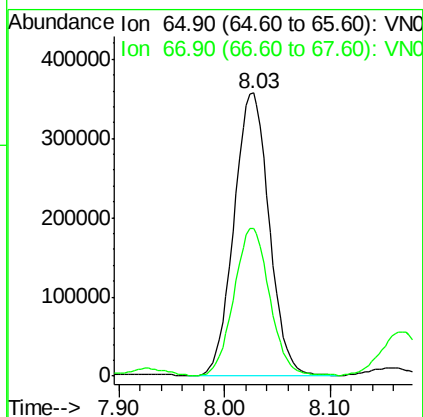
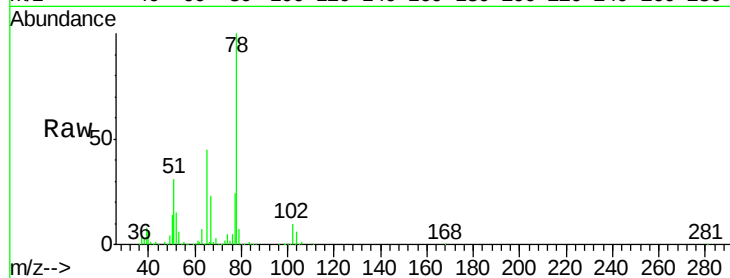




#33
 1,2-Dichloroethane-d4
 Concen: 42.794 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054390.D
 Acq: 18 Mar 2019 13:32

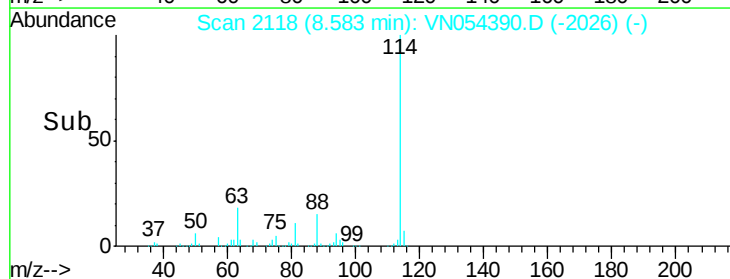
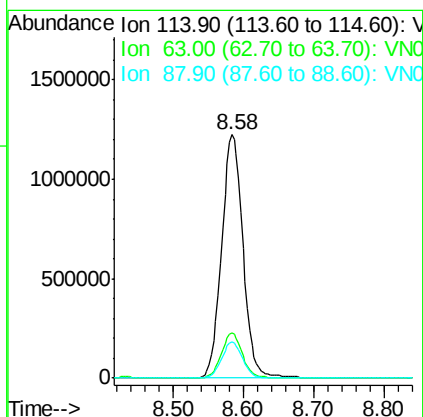
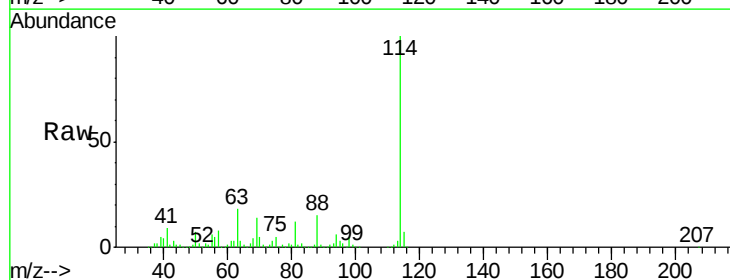
Instrument :
 MSVOA_N
 ClientSampleId :

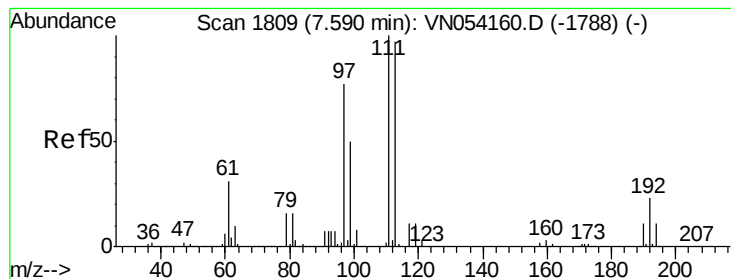
Tot Ion: 65 Resp: 828566
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054390.D
 Acq: 18 Mar 2019 13:32

Tgt Ion: 114 Resp: 2596993
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.2
 88 14.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 44.099 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :
MSVOA_N
ClientSampled :

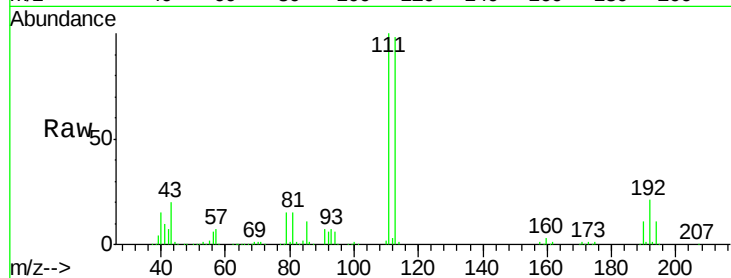
Tot Ion:113 Resp: 738644

Ion Ratio Lower Upper

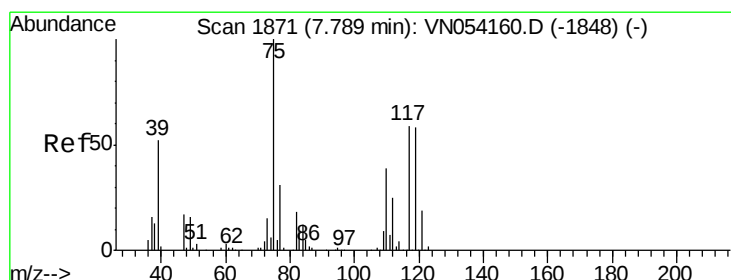
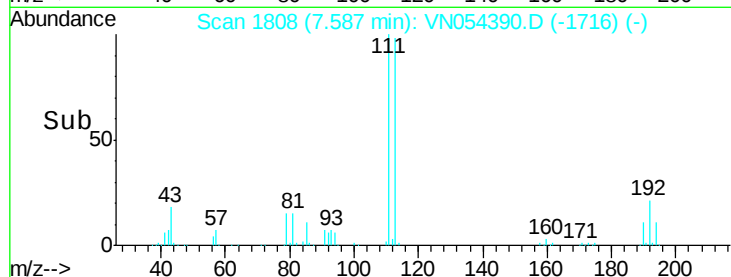
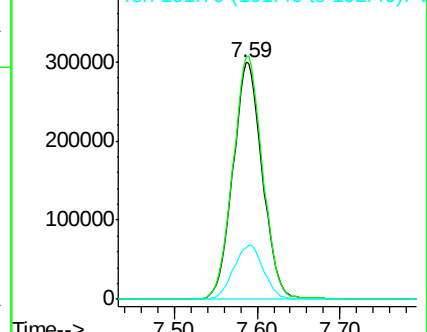
113 100

111 103.4 82.2 123.4

192 23.3 19.2 28.8



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: 4.666 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

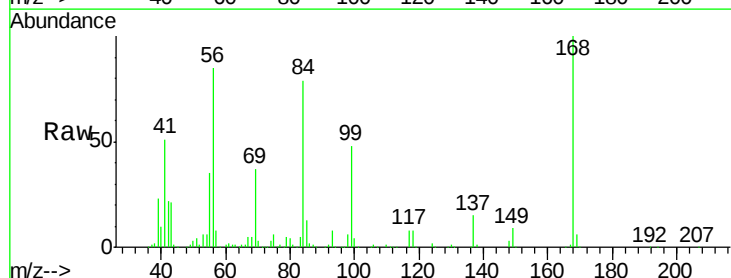
Tgt Ion: 75 Resp: 111587

Ion Ratio Lower Upper

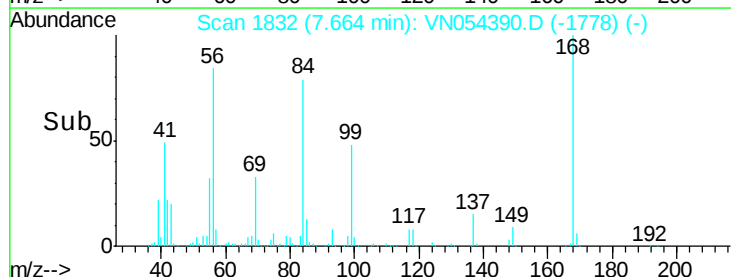
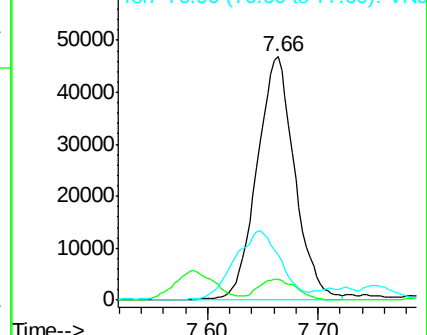
75 100

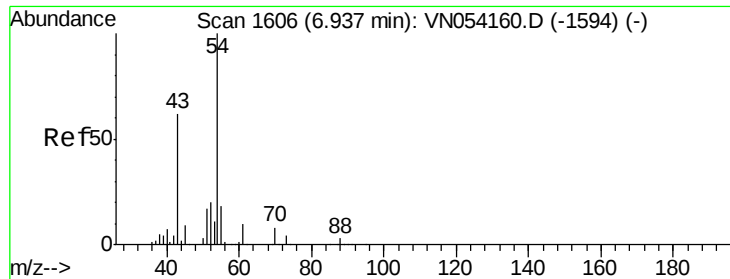
110 8.7 19.1 57.5#

77 34.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

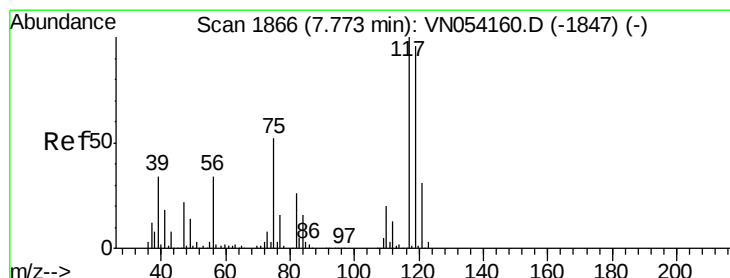
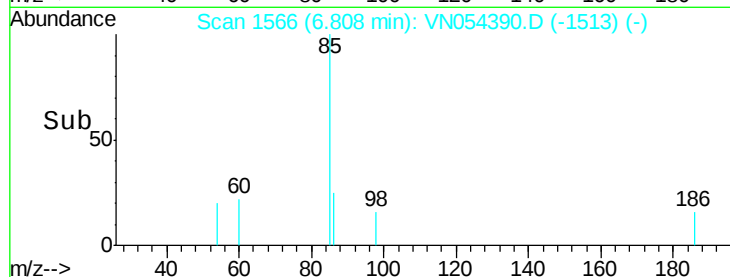
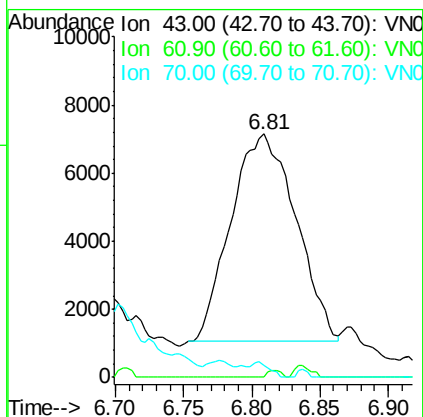
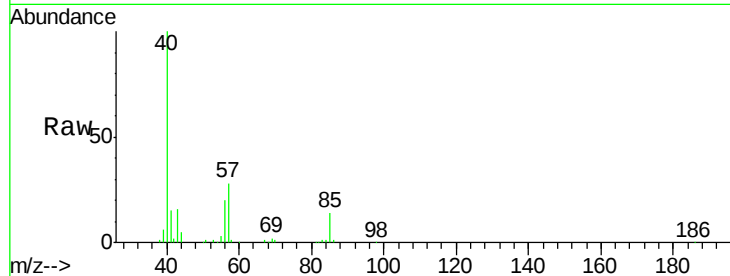




#37
Ethyl Acetate
Concen: 1.464 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.13 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

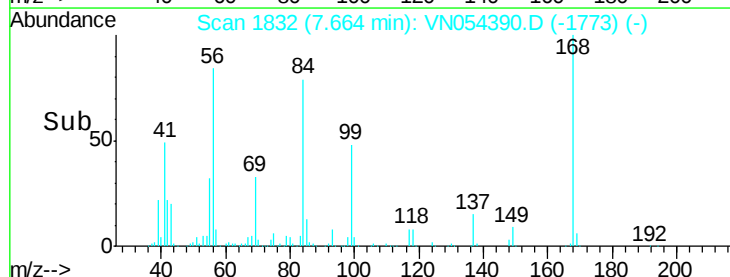
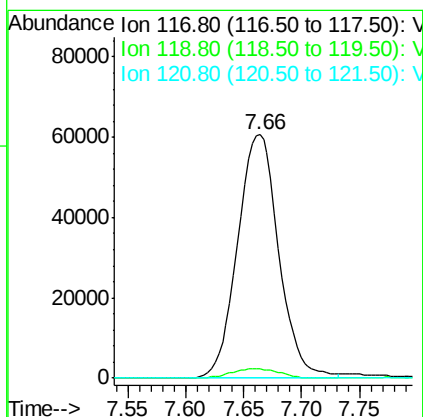
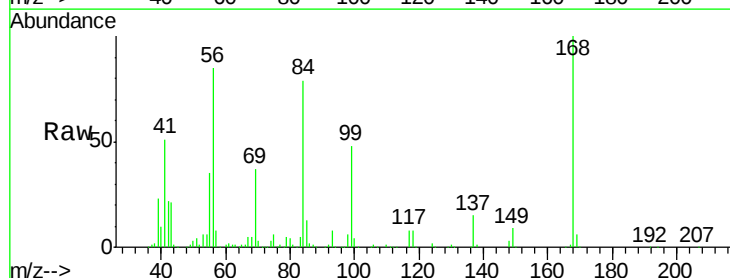
Instrument :
MSVOA_N
ClientSampled :

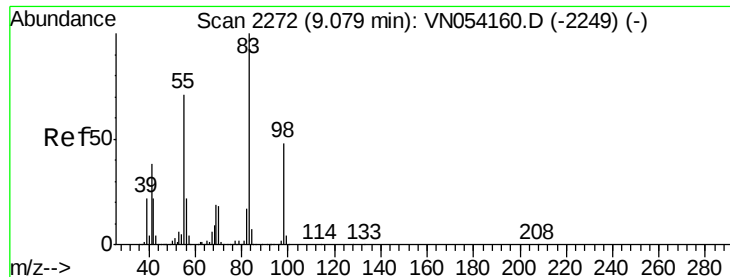
Tot Ion: 43 Resp: 20117
Ion Ratio Lower Upper
43 100
61 0.7 11.8 17.6#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion: 117 Resp: 149984
Ion Ratio Lower Upper
117 100
119 3.9 76.3 114.5#
121 0.0 24.6 36.8#



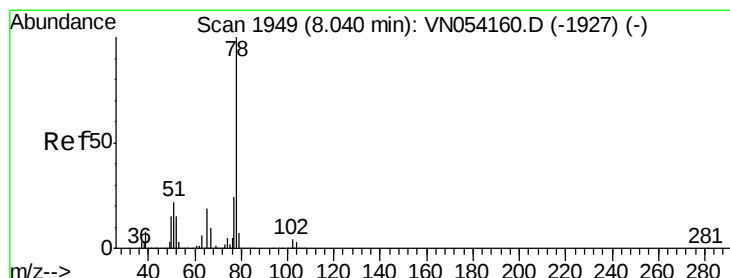
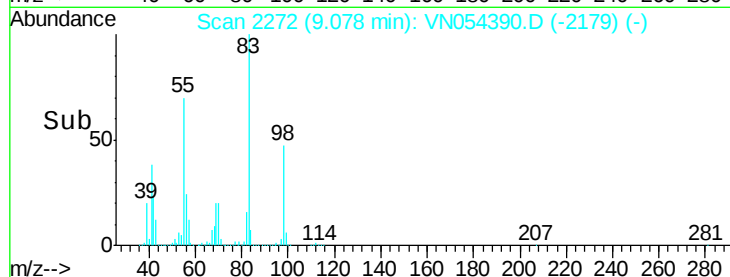
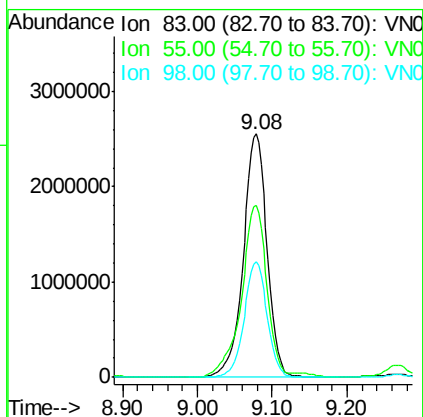
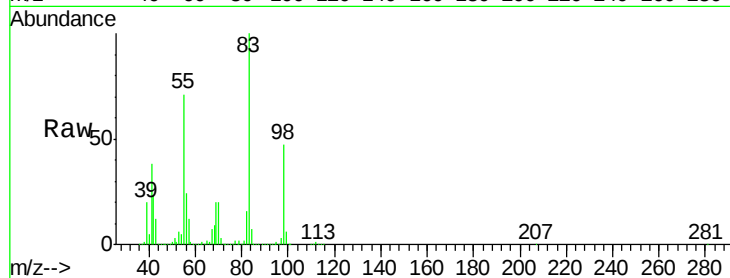


#39
Methylvlcyclohexane
Concen: 191.055 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 5621957

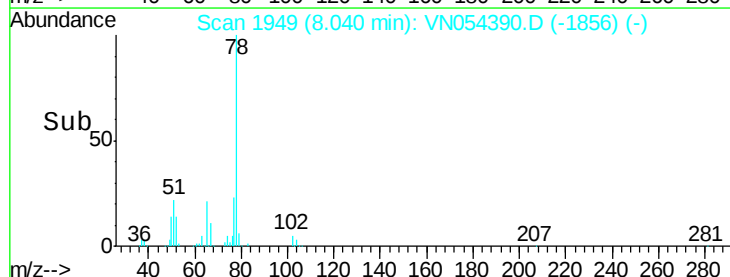
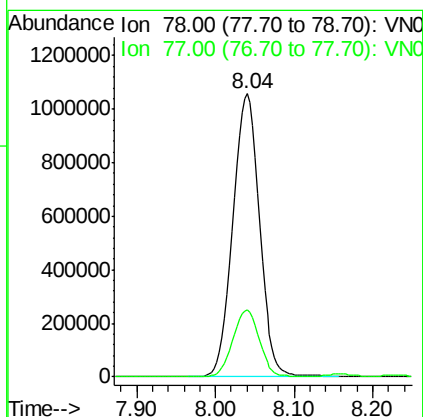
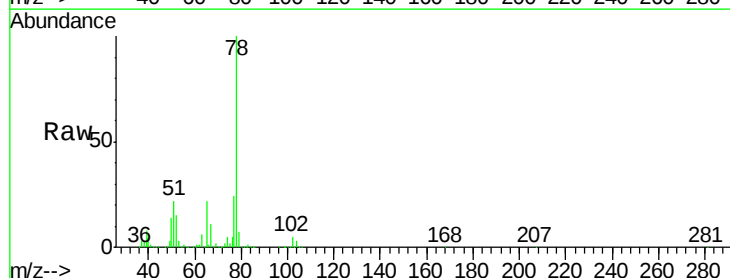
Ion	Ratio	Lower	Upper
83	100		
55	70.6	56.6	84.8
98	47.3	38.4	57.6

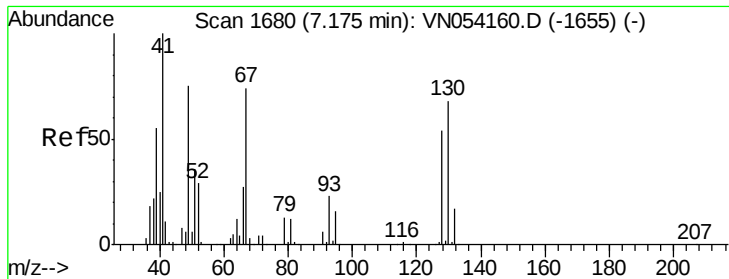


#40
Benzene
Concen: 36.414 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion: 78 Resp: 2492138

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





#41

Methacrylonitrile

Concen: 2.340 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.03 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 18358

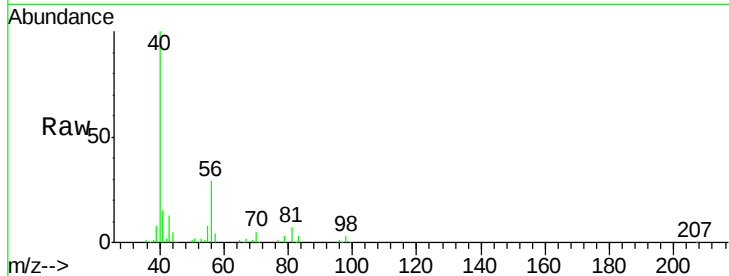
Ion Ratio Lower Upper

41 100

39 62.2 46.8 70.2

67 0.0 67.0 100.4#

52 0.0 26.5 39.7#

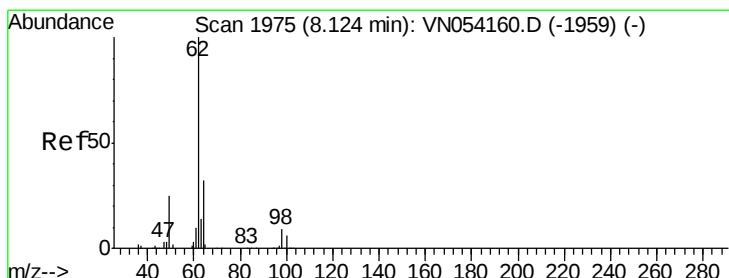
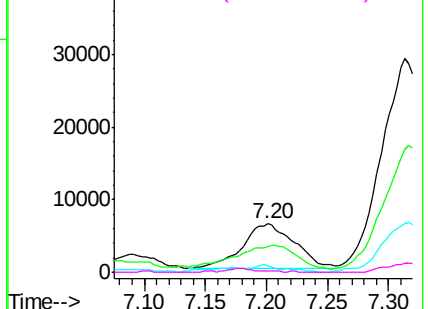
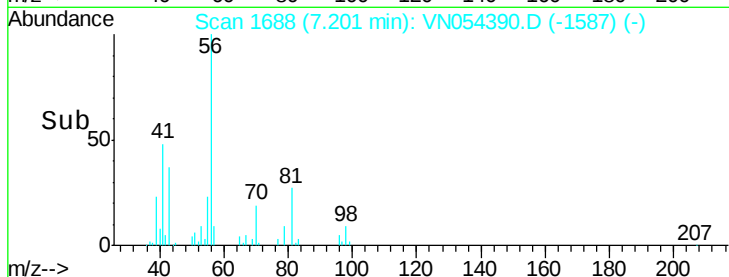


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 0.211 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.03 min

Lab File: VN054390.D

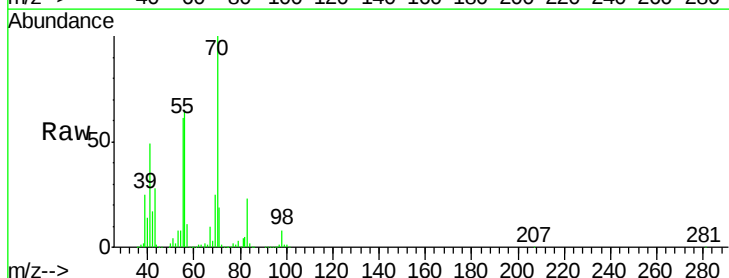
Acq: 18 Mar 2019 13:32

Tgt Ion: 62 Resp: 4872

Ion Ratio Lower Upper

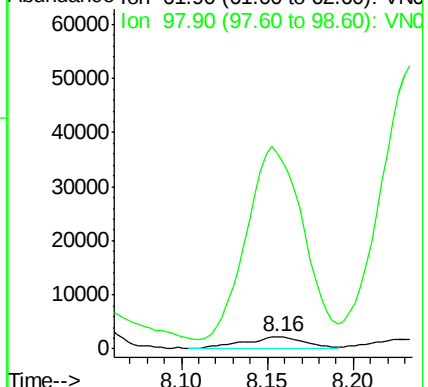
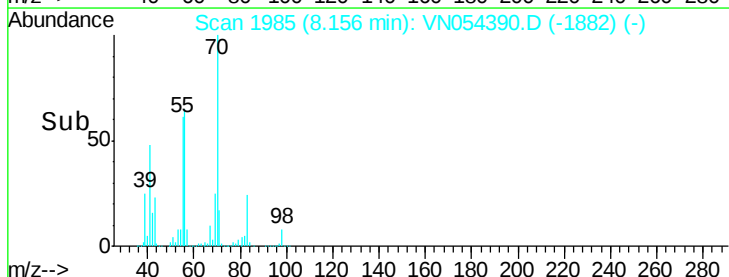
62 100

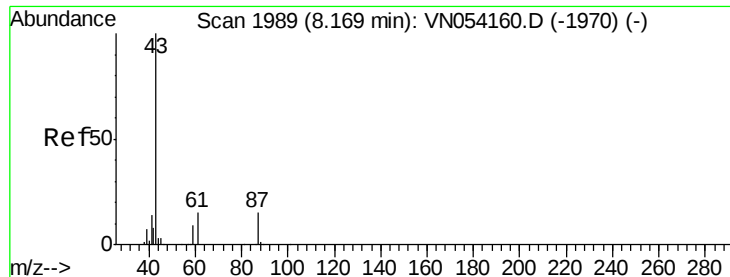
98 1762.9 0.0 18.4#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 14.230 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

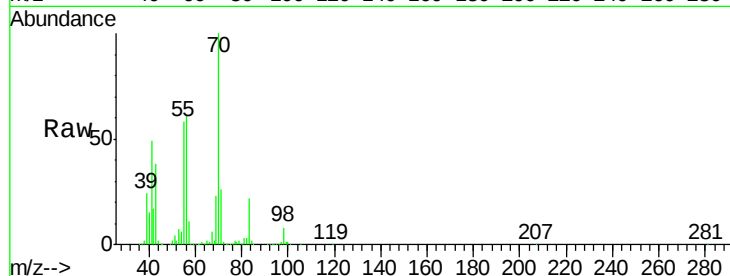
Tot Ion: 43 Resp: 343249

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

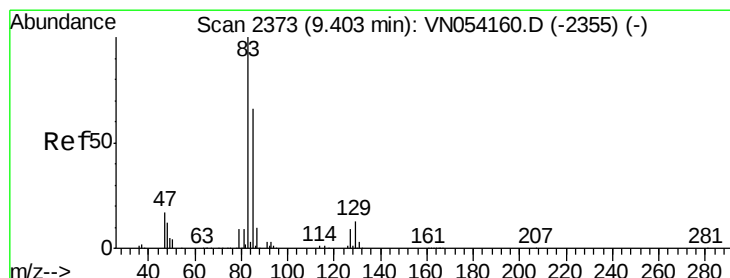
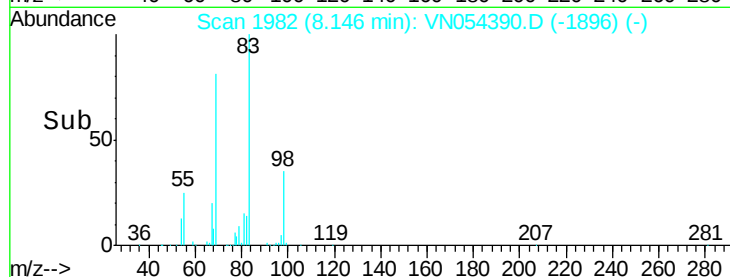
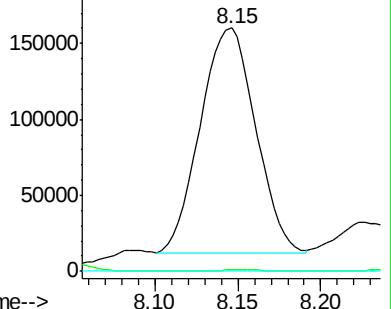
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#47

Bromodichloromethane

Concen: 9.304 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

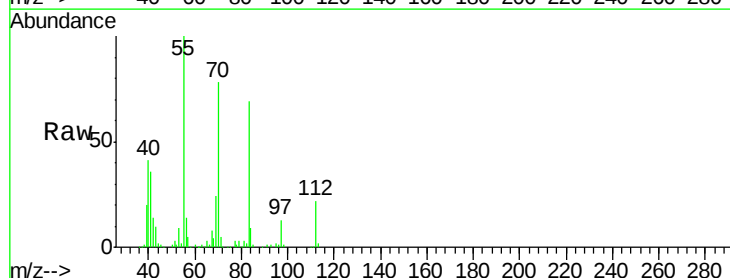
Tgt Ion: 83 Resp: 214174

Ion Ratio Lower Upper

83 100

85 0.6 52.8 79.2#

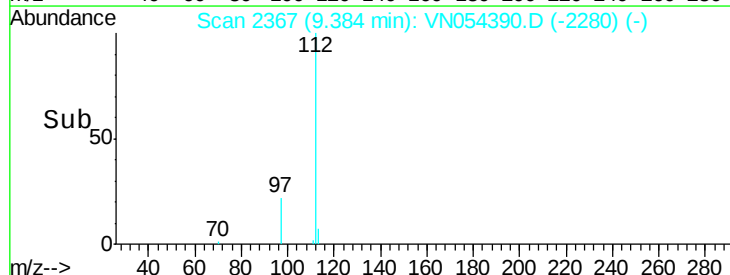
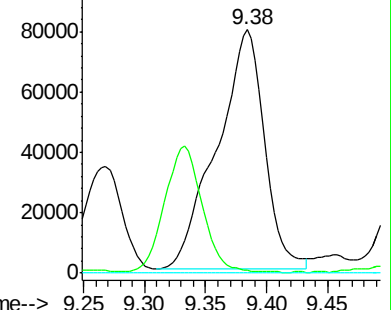
127 0.0 7.4 11.2#

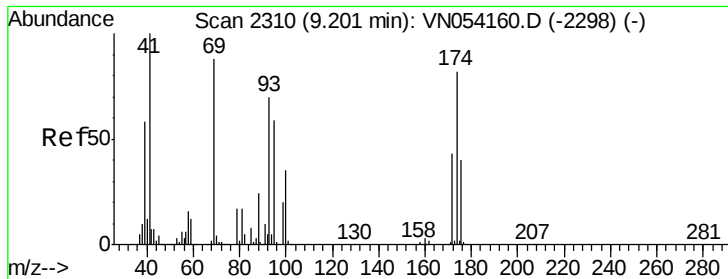


Abundance Ion 82.90 (82.60 to 83.60): VN054160.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN054160.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN054160.D (-2355) (-)

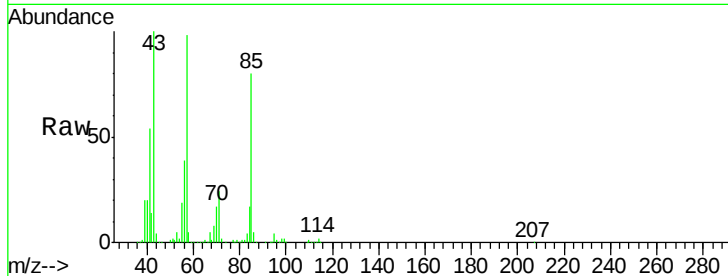




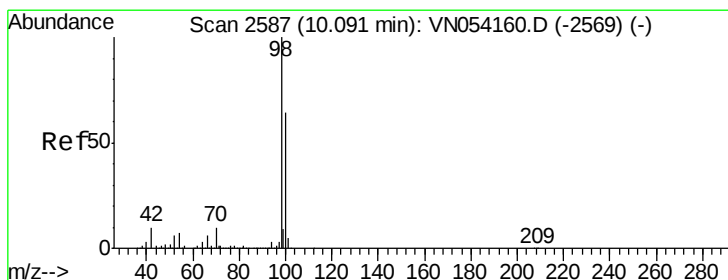
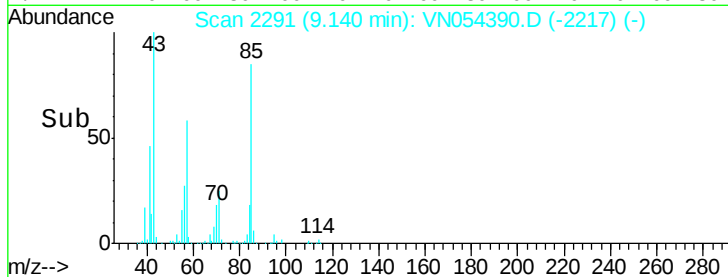
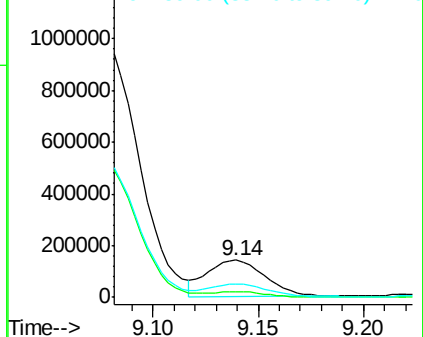
#48
Methvl methacrylate
Concen: 21.629 ug/l
RT: 9.14 min Scan# 2291
Delta R.T. -0.06 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 264762
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 35.3 47.5 71.3#

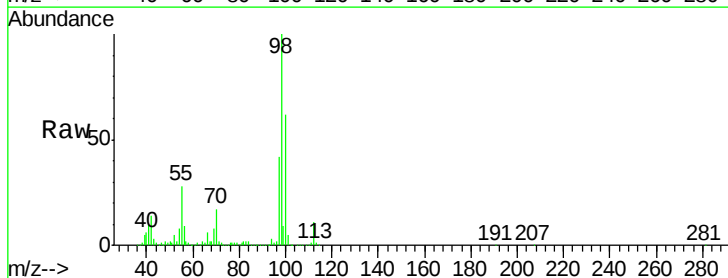


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

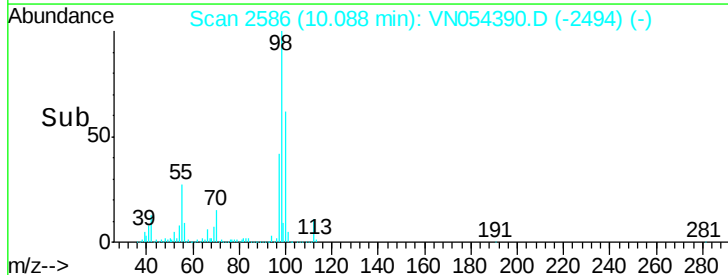
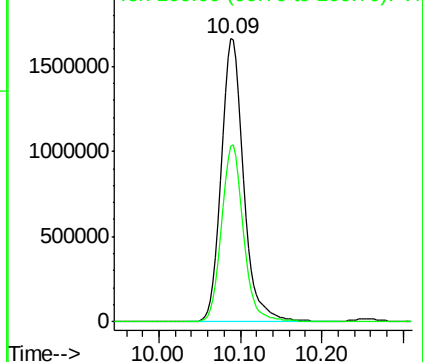


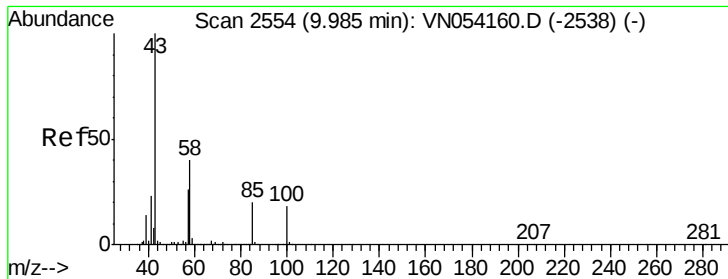
#50
Toluene-d8
Concen: 52.530 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion: 98 Resp: 3249425
Ion Ratio Lower Upper
98 100
100 61.4 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 174.217 ug/l

RT: 9.87 min Scan# 2517

Delta R.T. -0.12 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

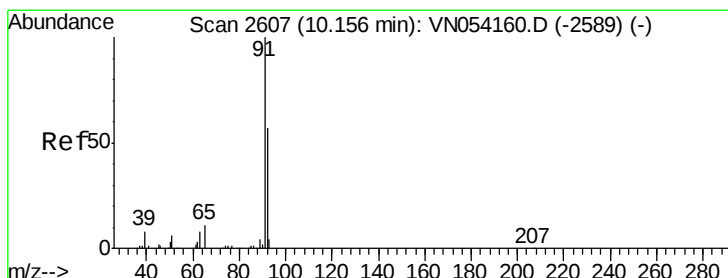
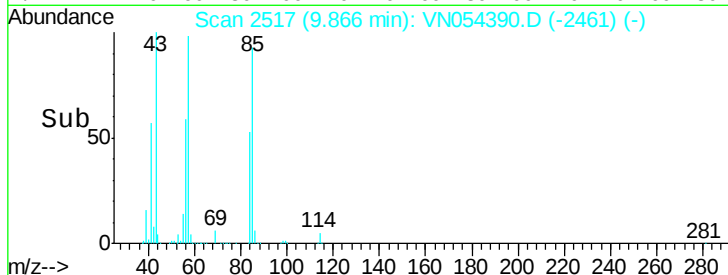
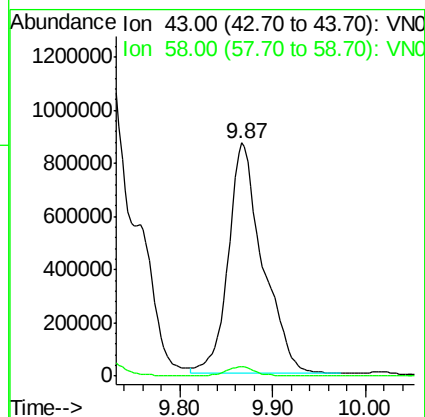
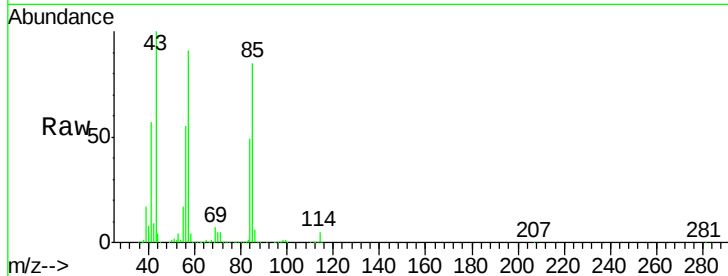
ClientSampled :

Tot Ion: 43 Resp: 2223854

Ion Ratio Lower Upper

43 100

58 3.4 31.8 47.6#



#52

Toluene

Concen: 356.345 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054390.D

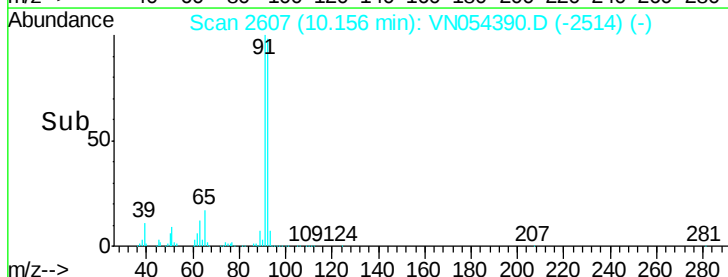
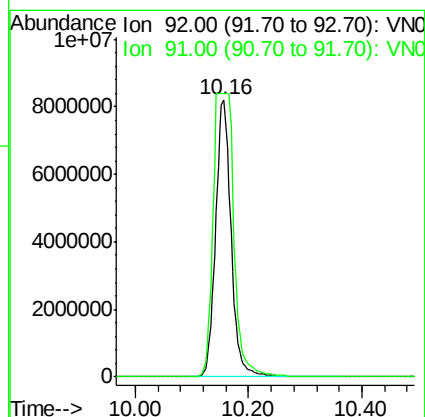
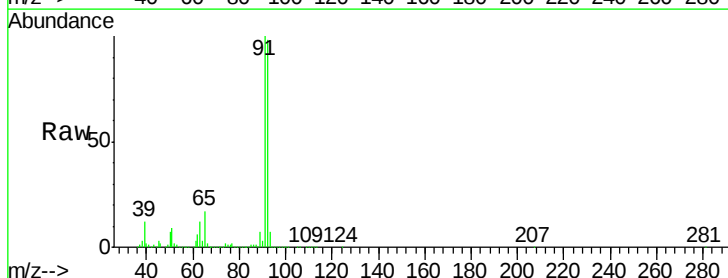
Acq: 18 Mar 2019 13:32

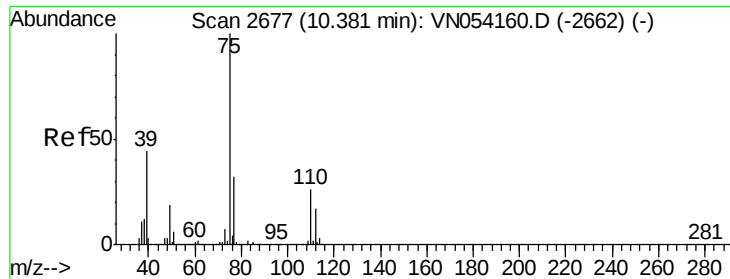
Tgt Ion: 92 Resp: 15463389

Ion Ratio Lower Upper

92 100

91 0.0 140.7 211.1#





#53

t-1,3-Dichloropropene

Concen: 7.946 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

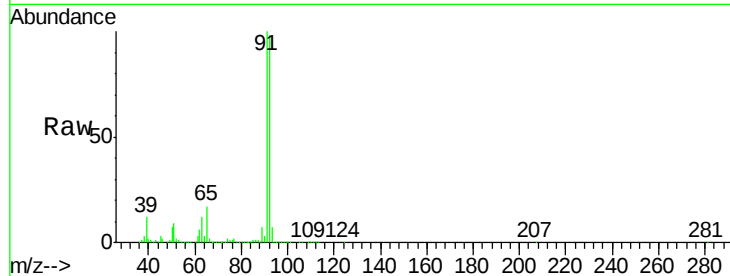
ClientSampleId :

Tot Ion: 75 Resp: 163415

Ion Ratio Lower Upper

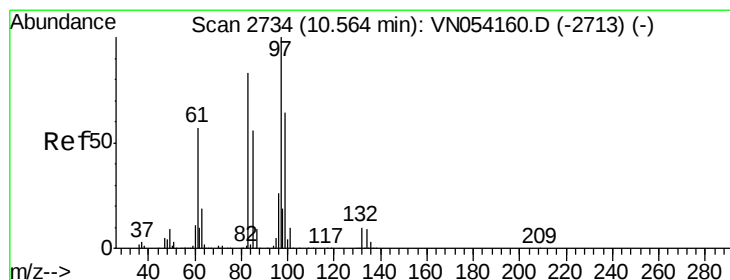
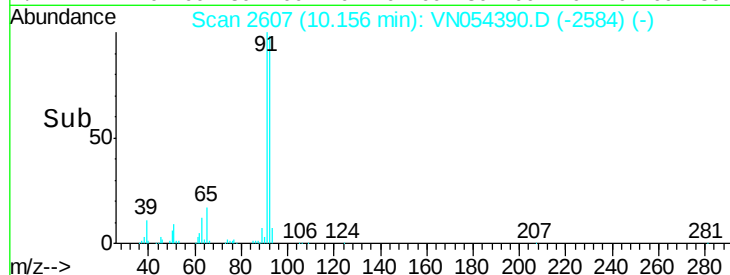
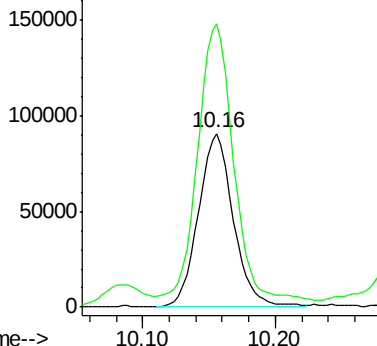
75 100

77 158.8 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#55

1,1,2-Trichloroethane

Concen: 25.783 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Tgt Ion: 97 Resp: 408533

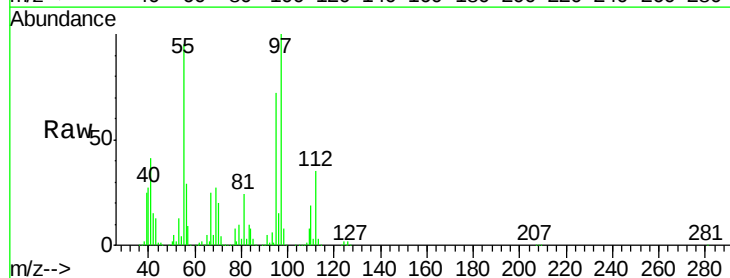
Ion Ratio Lower Upper

97 100

83 7.0 66.6 100.0#

85 2.3 44.4 66.6#

99 0.3 50.8 76.2#

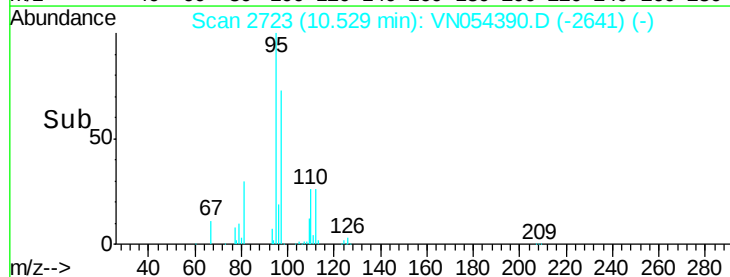
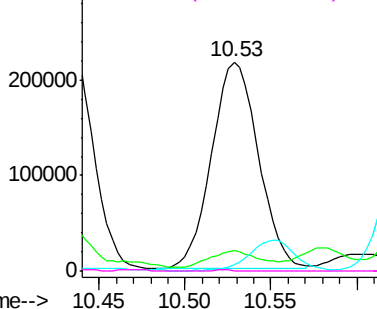


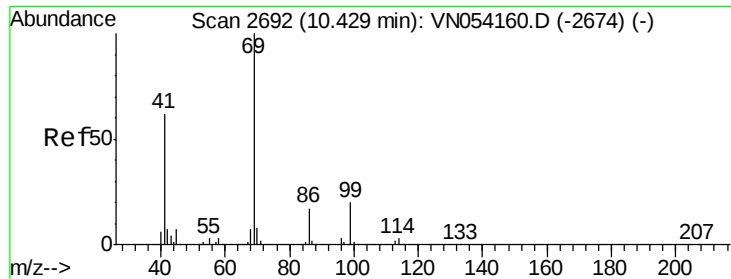
Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 4.238 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampled :

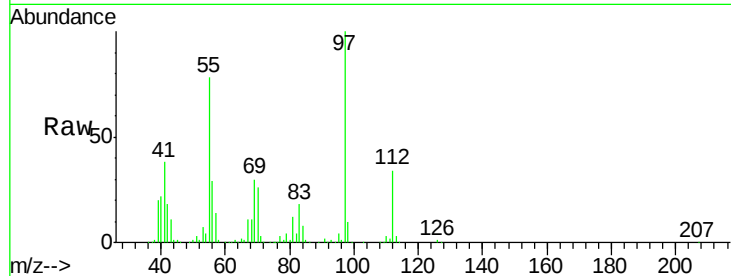
Tot Ion: 69 Resp: 80065

Ion Ratio Lower Upper

69 100

41 133.4 49.4 74.2#

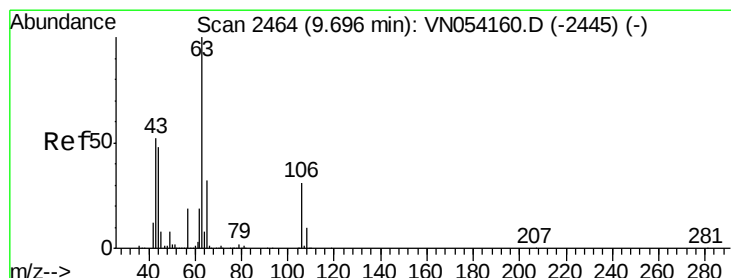
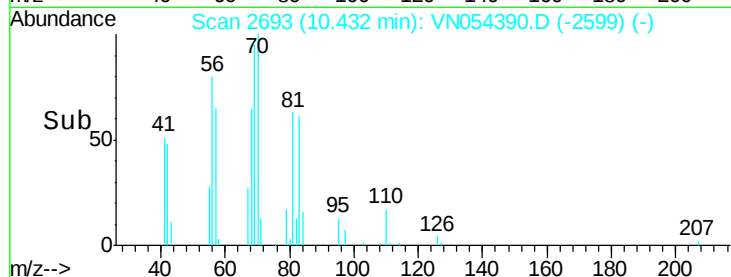
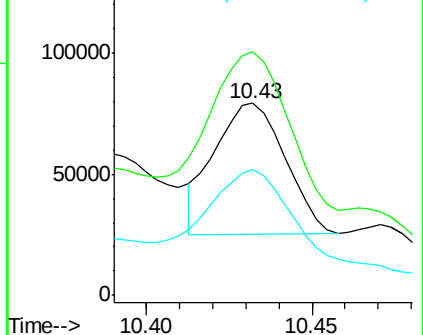
39 102.6 28.3 42.5#



Abundance Ion 69.00 (68.70 to 69.70): VN054160.D (-2674) (-)

Ion 41.00 (40.70 to 41.70): VN054160.D (-2674) (-)

Ion 39.00 (38.70 to 39.70): VN054160.D (-2674) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 17.122 ug/l

RT: 9.67 min Scan# 2457

Delta R.T. -0.02 min

Lab File: VN054390.D

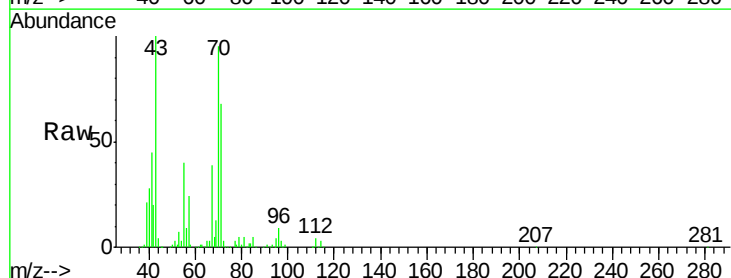
Acq: 18 Mar 2019 13:32

Tgt Ion: 63 Resp: 2580

Ion Ratio Lower Upper

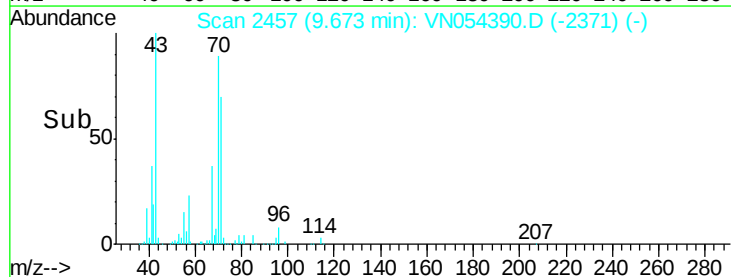
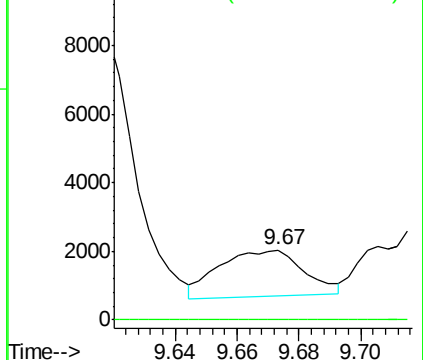
63 100

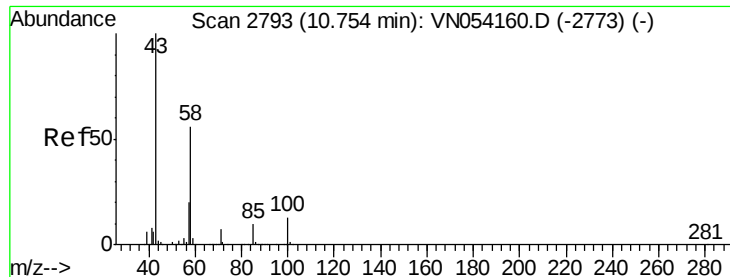
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN054160.D (-2445) (-)

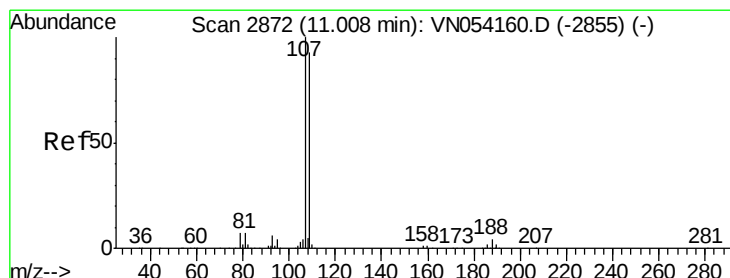
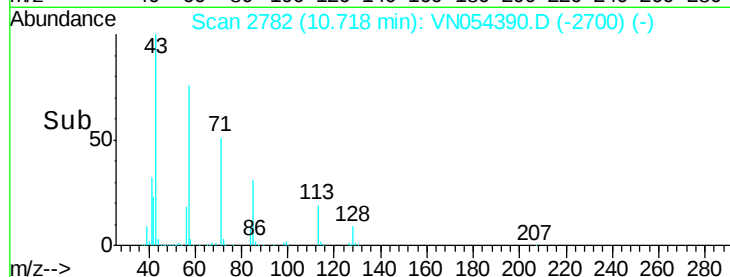
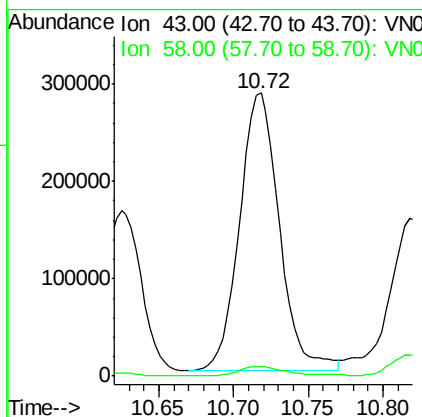
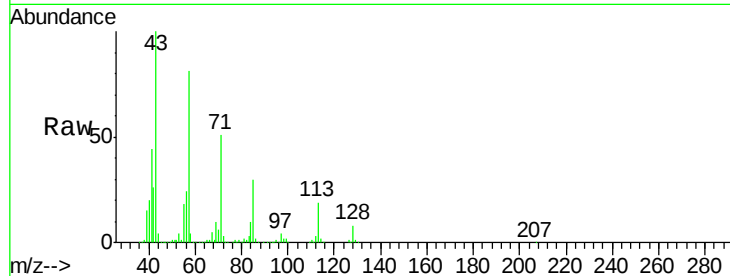




#59
2-Hexanone
Concen: 61.979 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.04 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

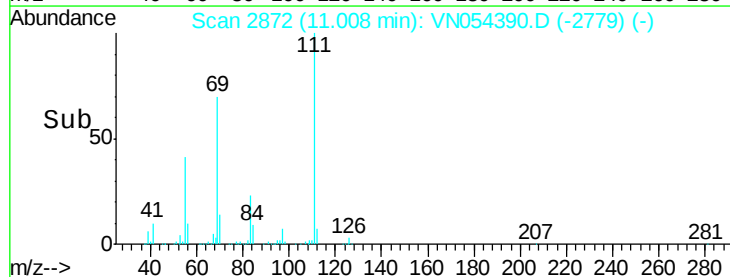
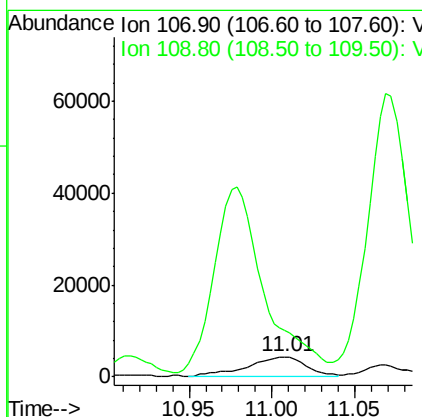
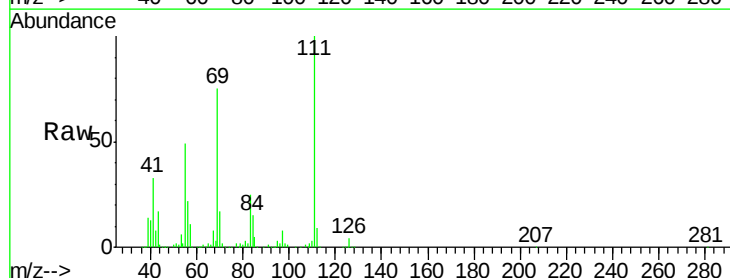
Instrument :
MSVOA_N
ClientSampleId :

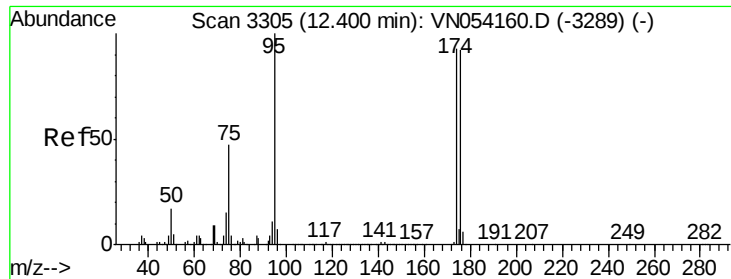
Tot Ion: 43 Resp: 526436
Ion Ratio Lower Upper
43 100
58 4.4 28.0 83.9#



#61
1,2-Dibromoethane
Concen: 0.644 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion: 107 Resp: 10366
Ion Ratio Lower Upper
107 100
109 0.0 75.9 113.9#





#62

4-Bromofluorobenzene

Concen: 46.907 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

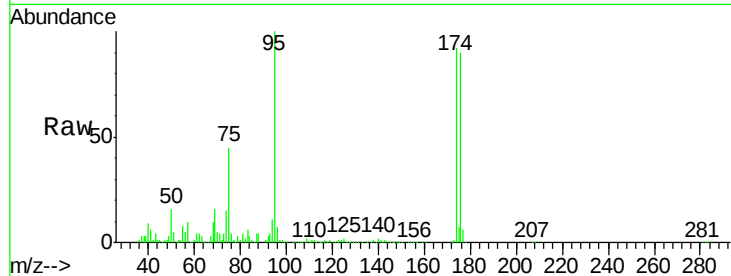
Tot Ion: 95 Resp: 1015263

Ion Ratio Lower Upper

95 100

174 94.9 0.0 191.0

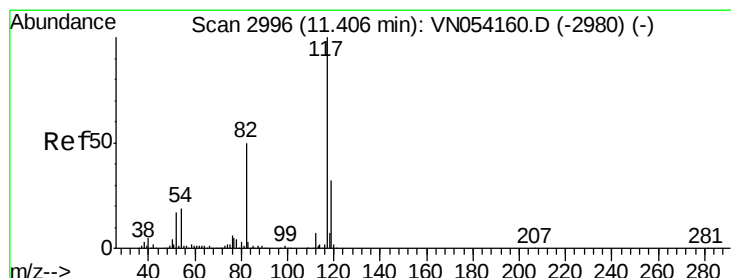
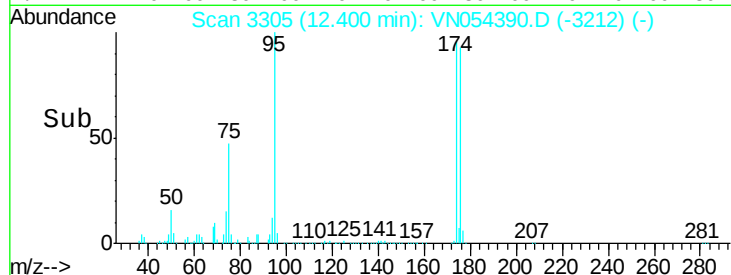
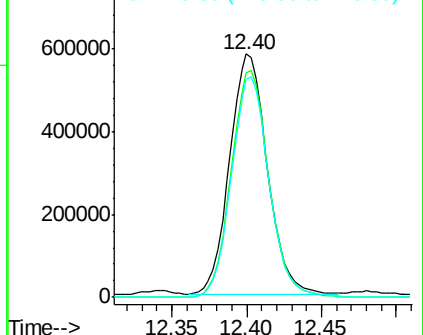
176 91.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

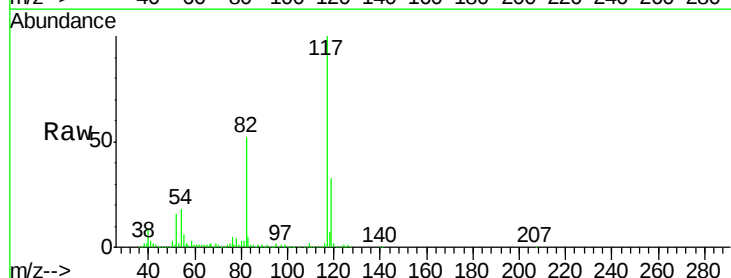
Tgt Ion: 117 Resp: 2312247

Ion Ratio Lower Upper

117 100

82 51.4 40.0 60.0

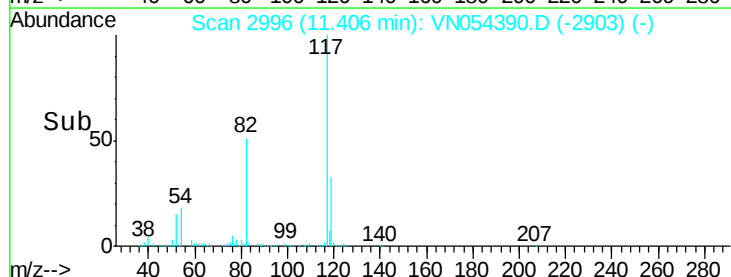
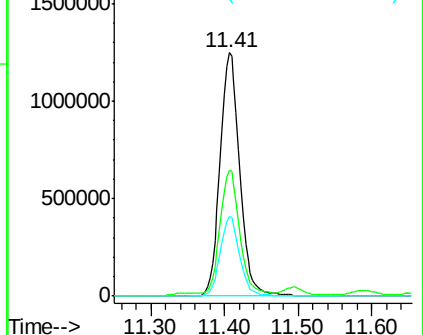
119 32.8 25.8 38.6

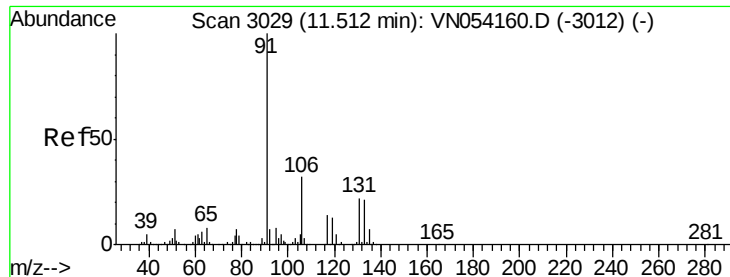


Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)





#67

Ethyl Benzene

Concen: 112.142 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

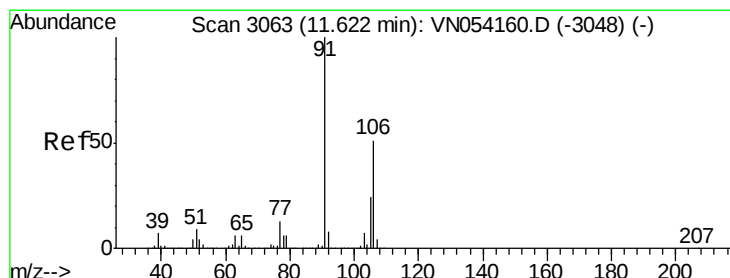
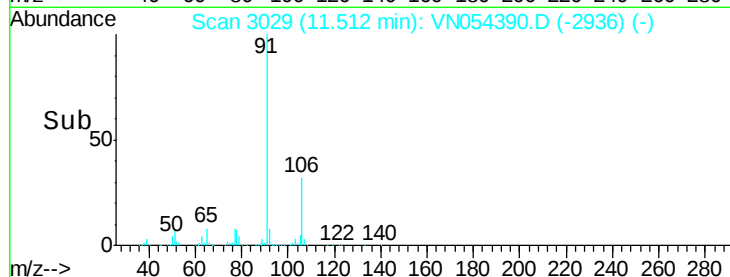
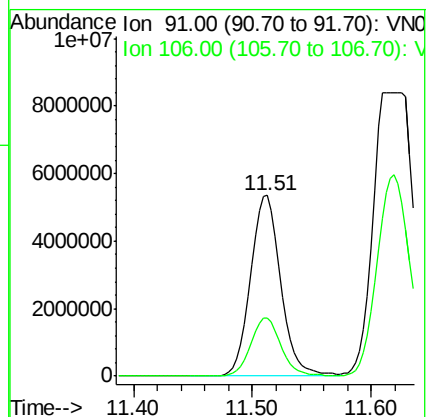
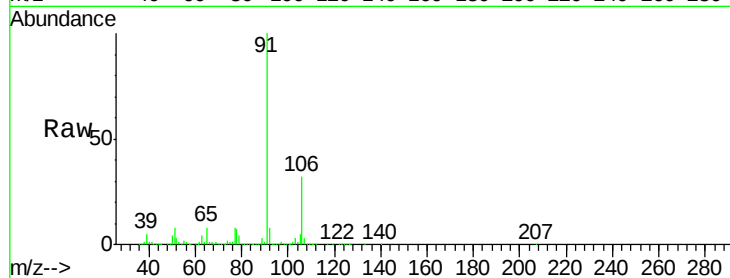
ClientSampled :

Tot Ion: 91 Resp: 9438022

Ion Ratio Lower Upper

91 100

106 32.4 25.5 38.3



#68

m/p-Xylenes

Concen: 355.330 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054390.D

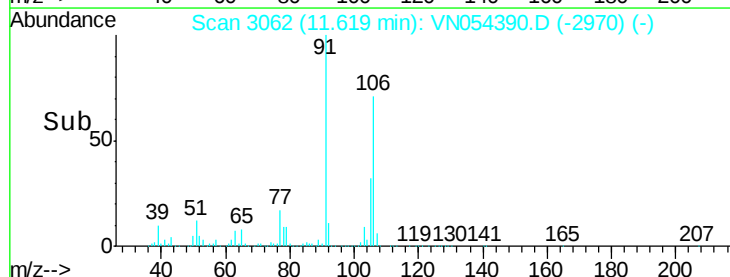
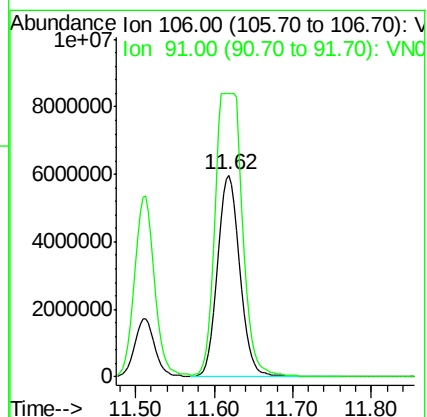
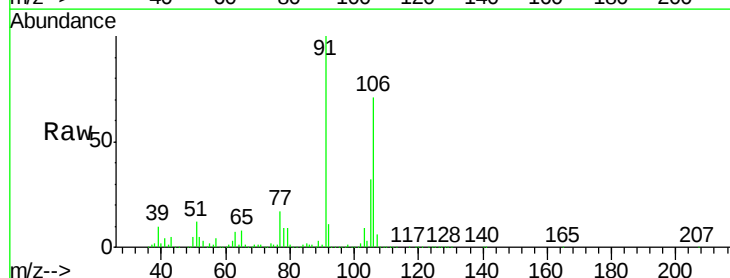
Acq: 18 Mar 2019 13:32

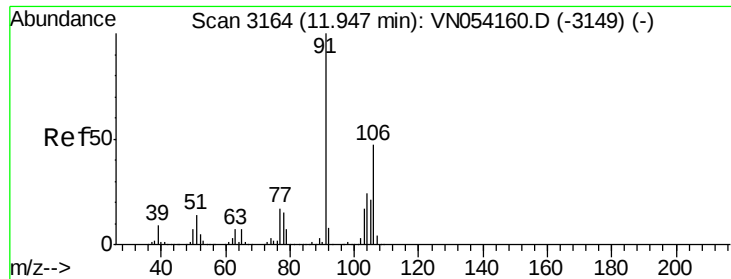
Tgt Ion: 106 Resp: 11688246

Ion Ratio Lower Upper

106 100

91 0.0 159.4 239.2#

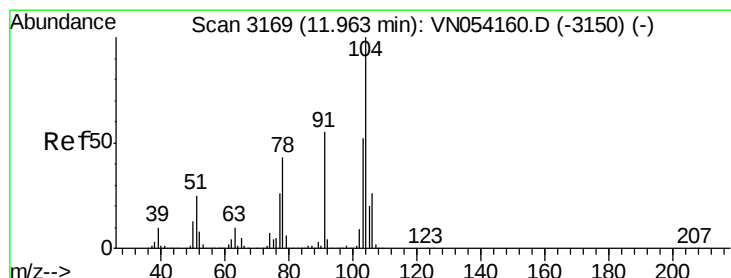
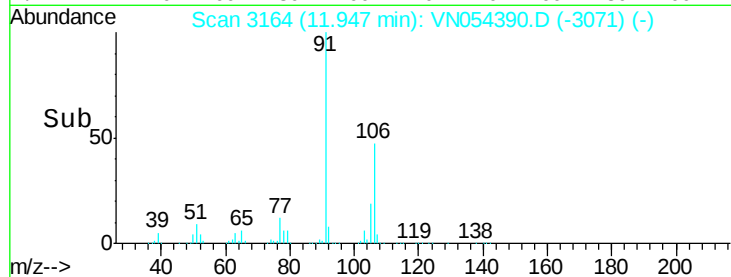
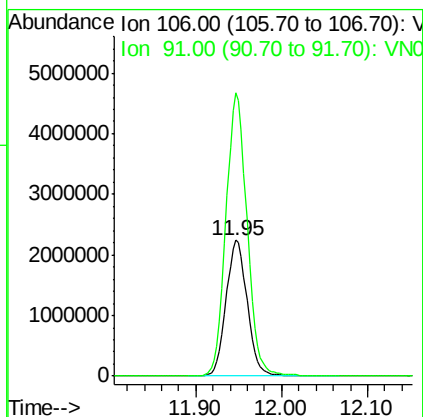
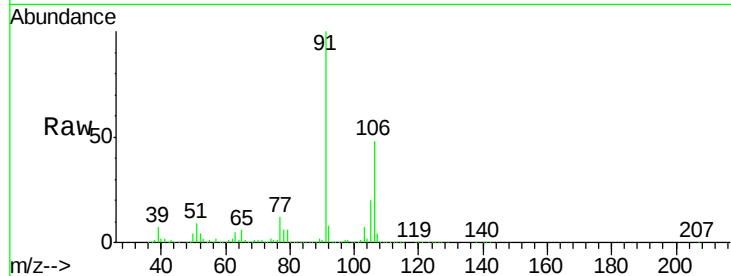




#69
o-Xylene
Concen: 119.555 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

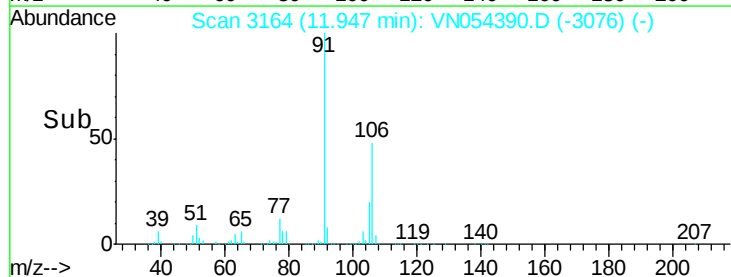
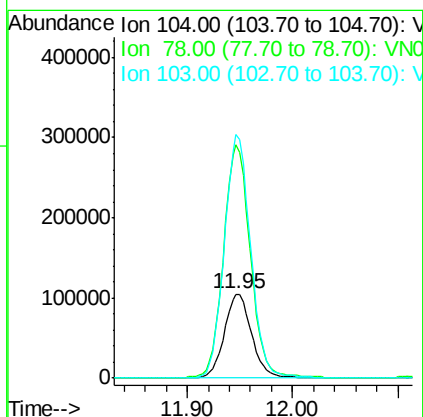
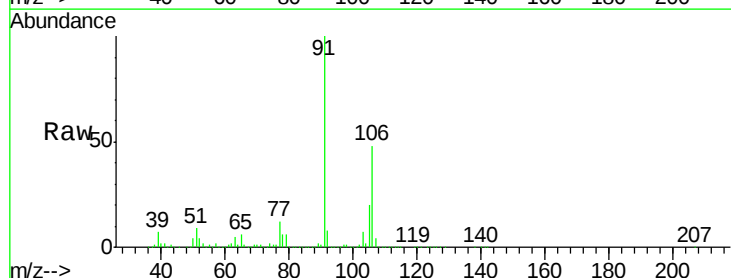
Instrument :
MSVOA_N
ClientSampled :

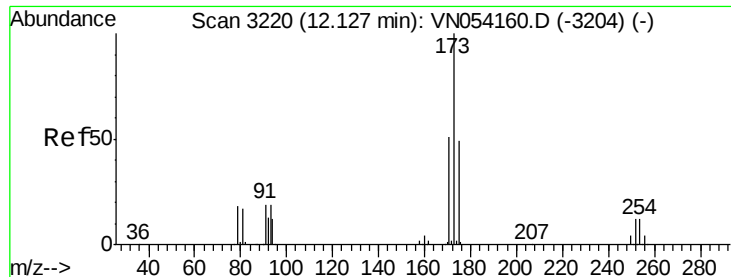
Tot Ion:106 Resp: 3833678
Ion Ratio Lower Upper
106 100
91 208.0 105.7 317.1



#70
Styrene
Concen: 3.743 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion:104 Resp: 188258
Ion Ratio Lower Upper
104 100
78 270.4 38.2 57.2#
103 278.9 44.4 66.6#





#71

Bromoform

Concen: 2.724 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampled :

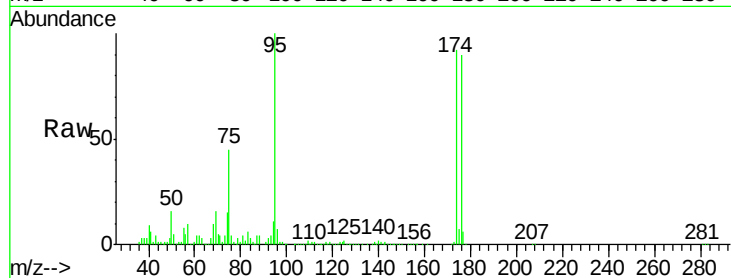
Tot Ion:173 Resp: 5515

Ion Ratio Lower Upper

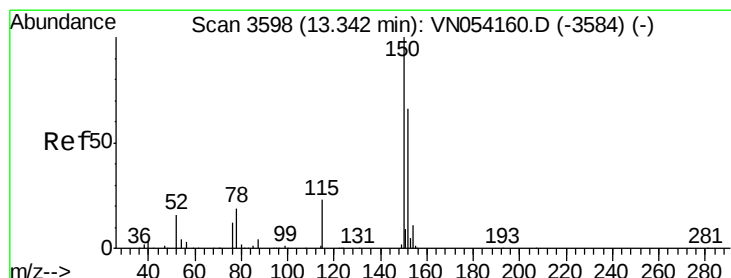
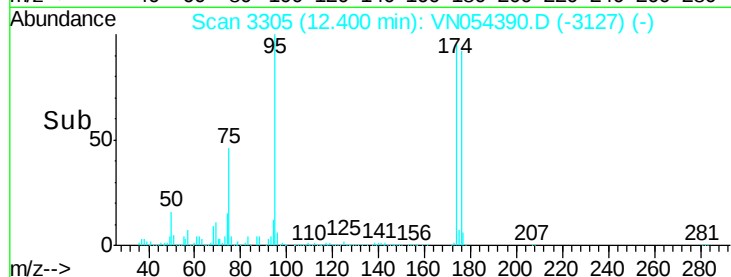
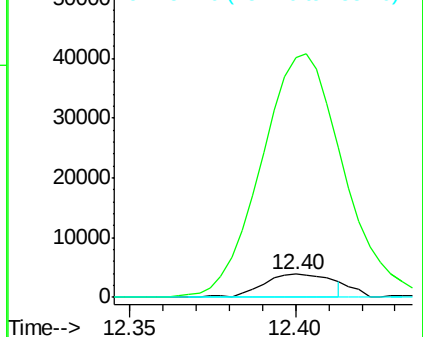
173 100

175 1086.8 24.4 73.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

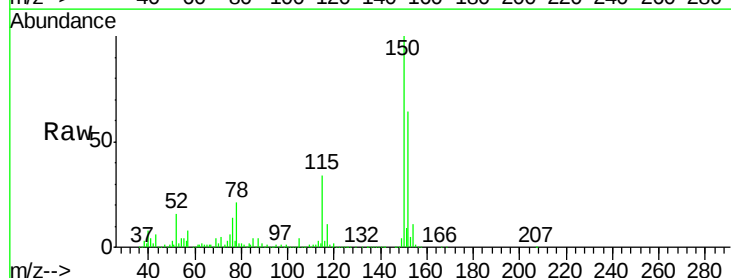
Tgt Ion:152 Resp: 1067666

Ion Ratio Lower Upper

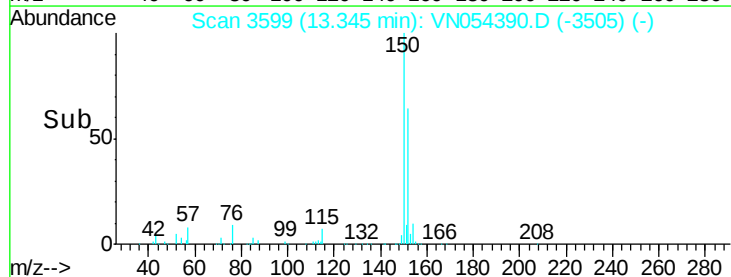
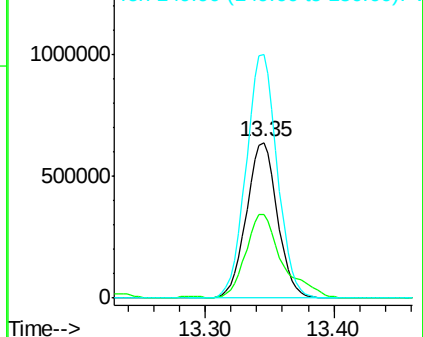
152 100

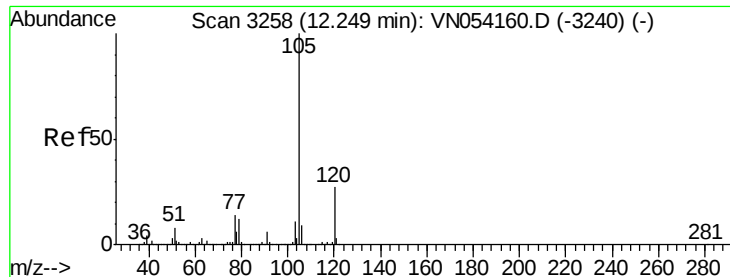
115 62.2 27.2 81.6

150 156.8 0.0 349.2



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





#73

Isopropylbenzene

Concen: 9.082 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

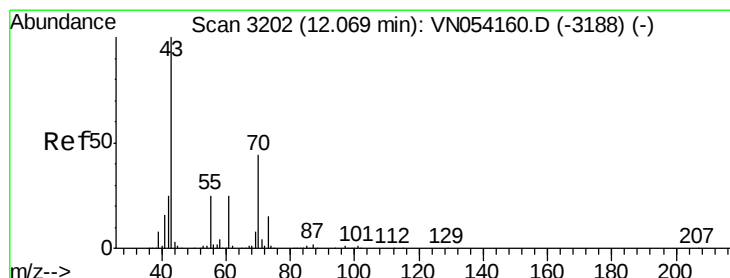
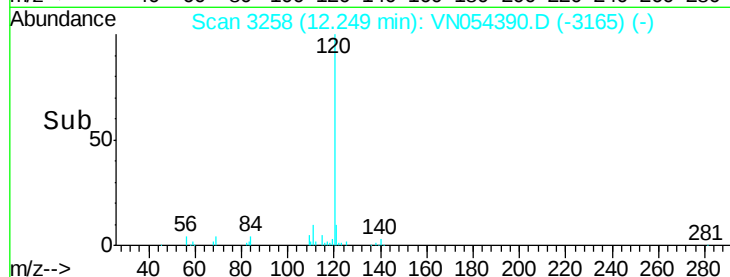
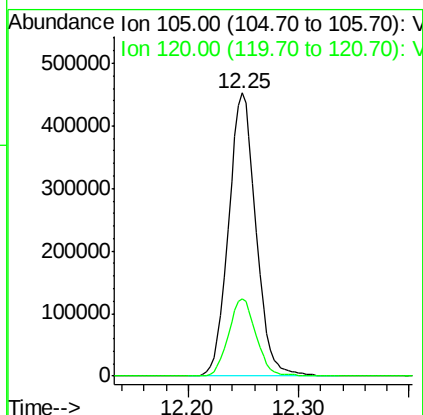
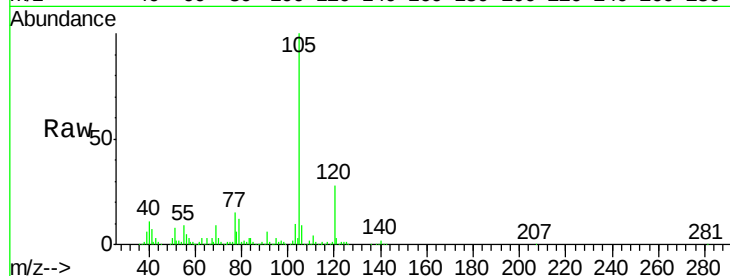
ClientSampled :

Tot Ion:105 Resp: 775756

Ion Ratio Lower Upper

105 100

120 27.7 13.8 41.3



#74

N-ethyl acetate

Concen: 9.344 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Tgt Ion: 43 Resp: 177174

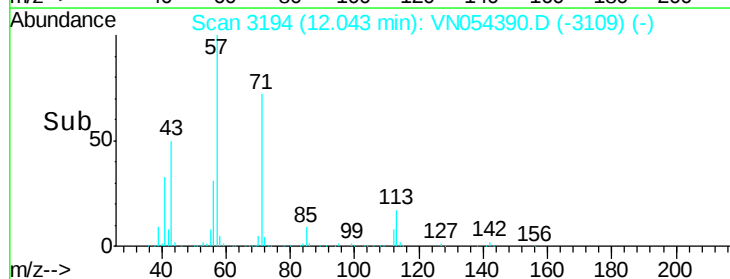
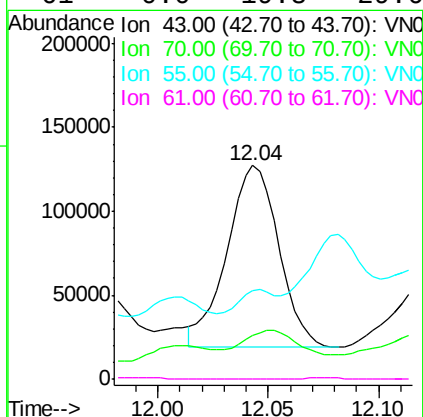
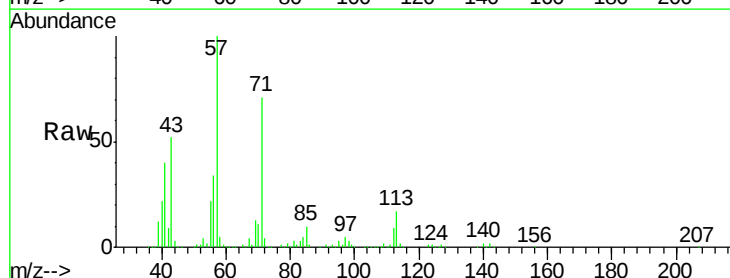
Ion Ratio Lower Upper

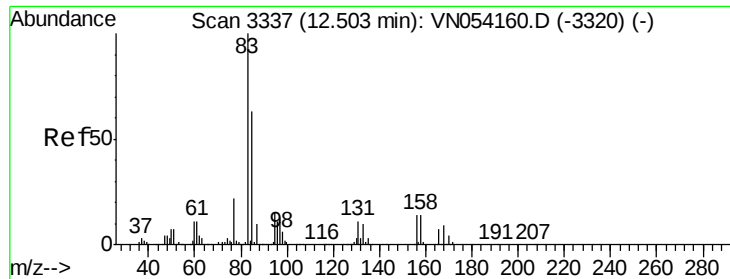
43 100

70 12.7 35.4 53.0#

55 9.2 19.8 29.6#

61 0.0 19.8 29.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.334 ug/l

RT: 12.49 min Scan# 3333

Delta R.T. -0.01 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

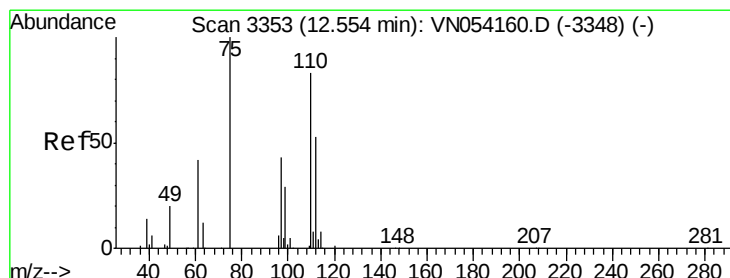
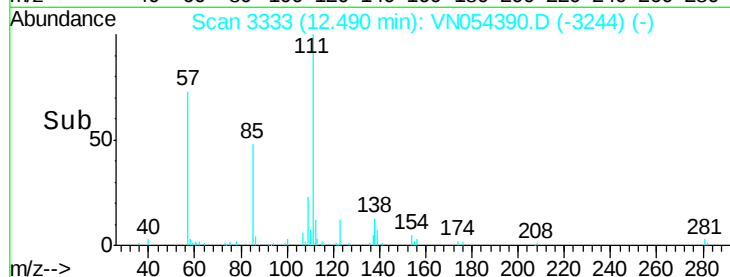
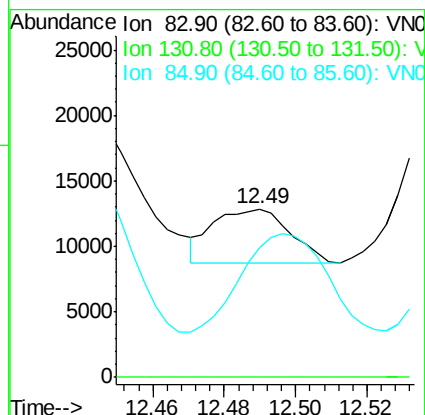
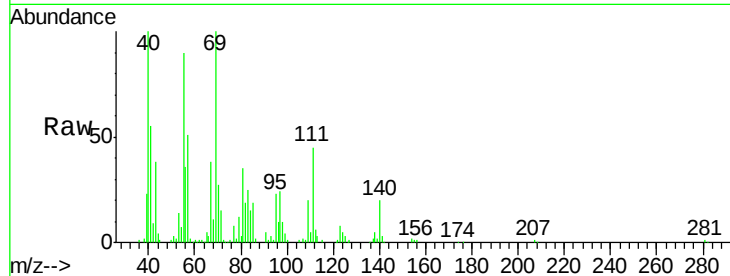
Tot Ion: 83 Resp: 6084

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

85 199.7 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 0.898 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN054390.D

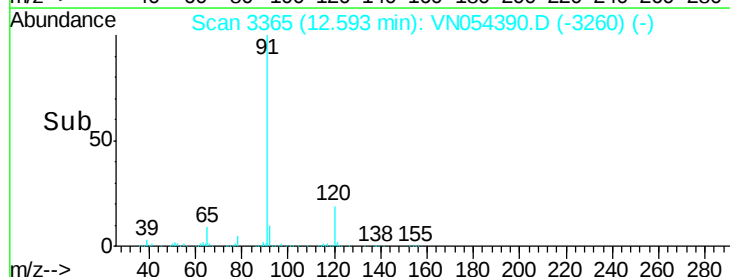
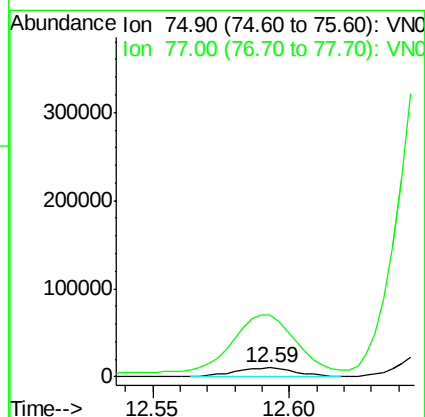
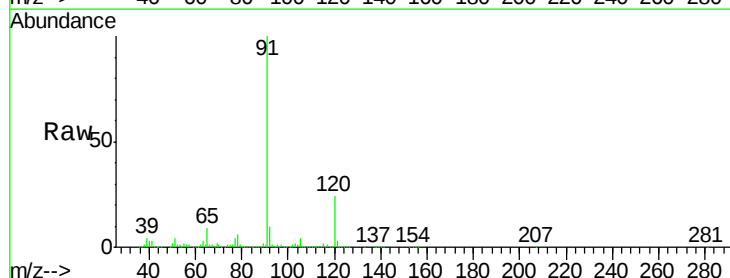
Acq: 18 Mar 2019 13:32

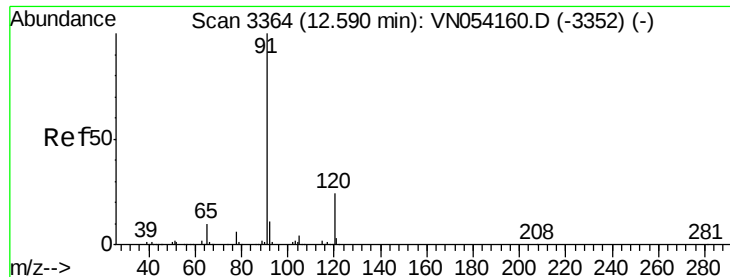
Tgt Ion: 75 Resp: 14106

Ion Ratio Lower Upper

75 100

77 792.4 0.0 0.0#





#78

n-propylbenzene

Concen: 32.006 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

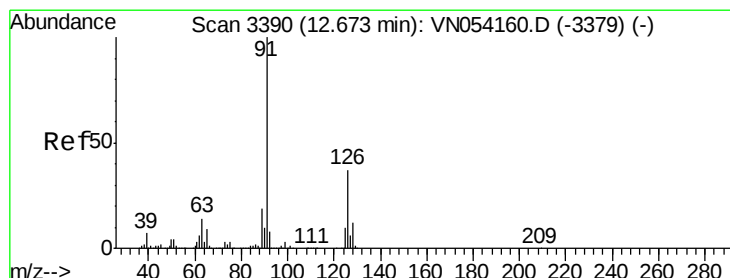
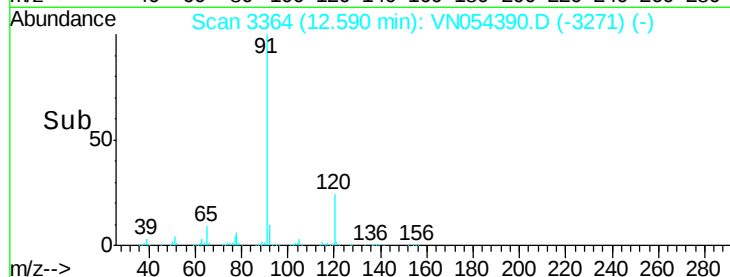
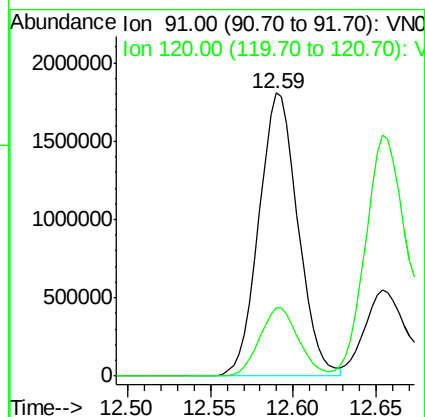
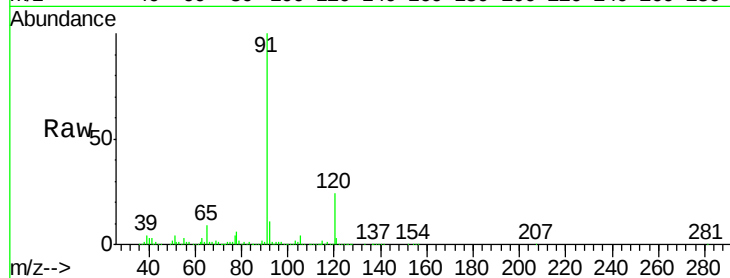
ClientSampled :

Tot Ion: 91 Resp: 2966476

Ion Ratio Lower Upper

91 100

120 24.2 12.3 36.9



#79

2-Chlorotoluene

Concen: 14.047 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054390.D

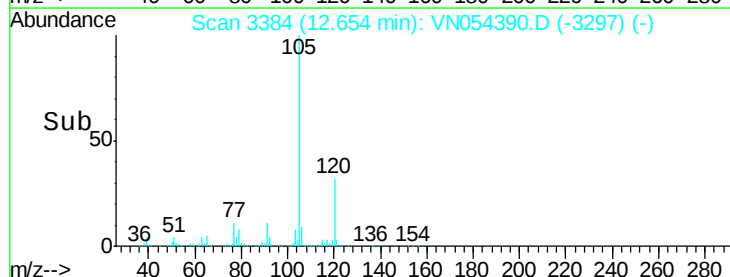
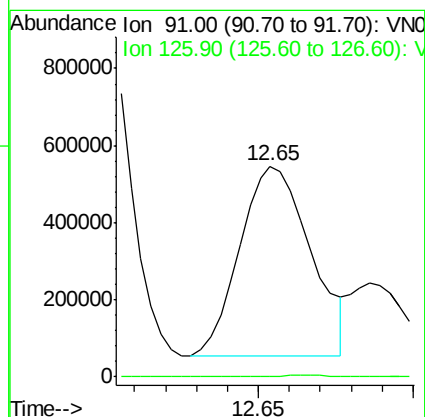
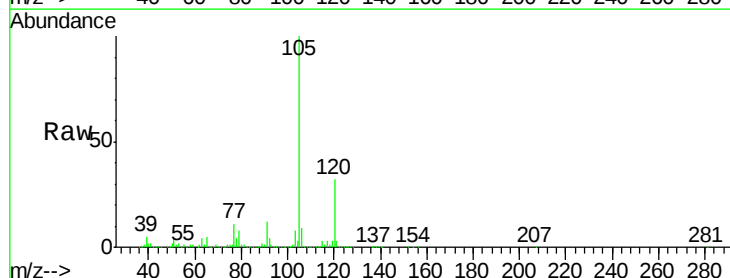
Acq: 18 Mar 2019 13:32

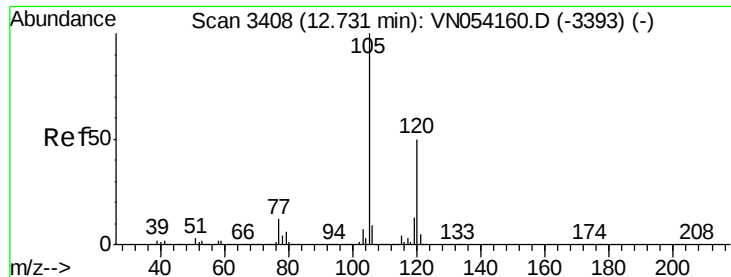
Tgt Ion: 91 Resp: 782833

Ion Ratio Lower Upper

91 100

126 0.9 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 51.366 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

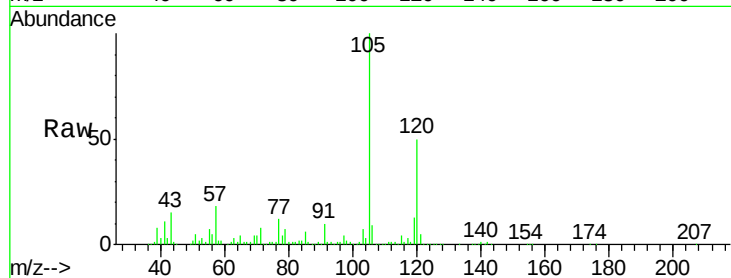
ClientSampled :

Tot Ion:105 Resp: 3649662

Ion Ratio Lower Upper

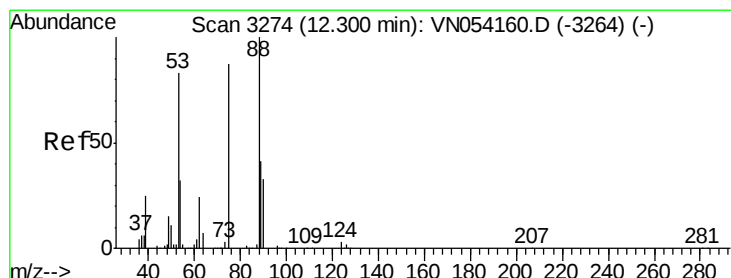
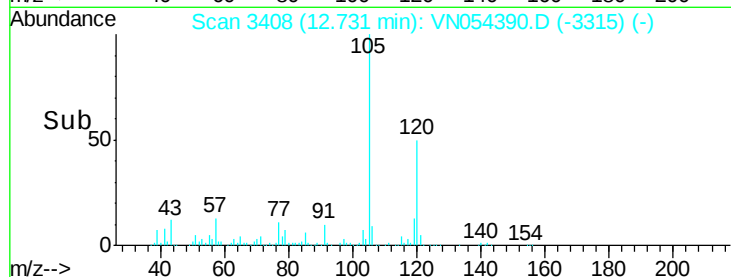
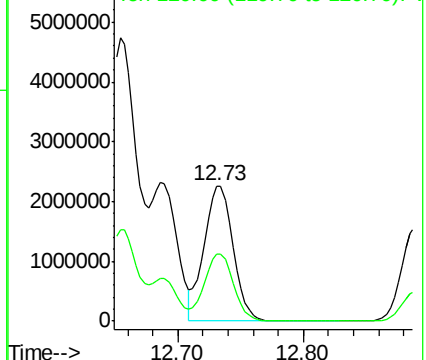
105 100

120 50.0 25.0 75.0



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: 100.967 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

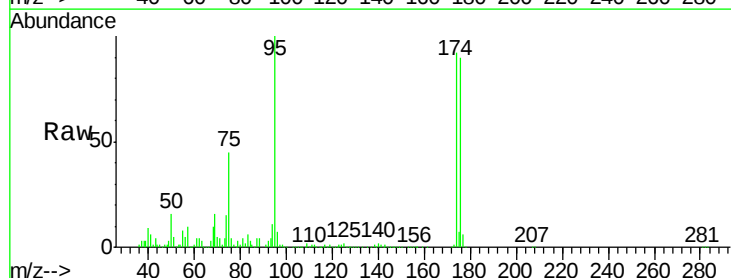
Tgt Ion: 75 Resp: 463731

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

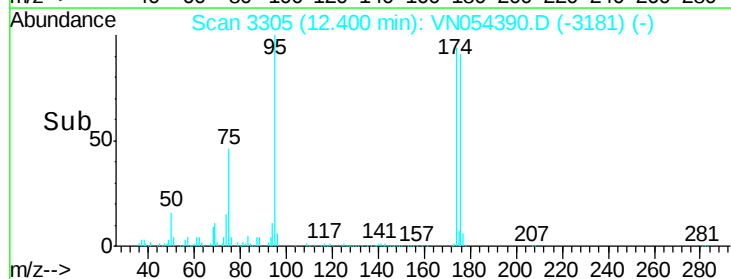
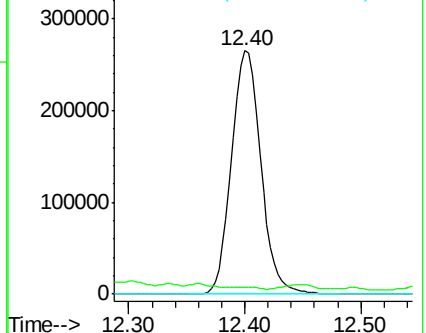
89 0.0 39.2 58.8#

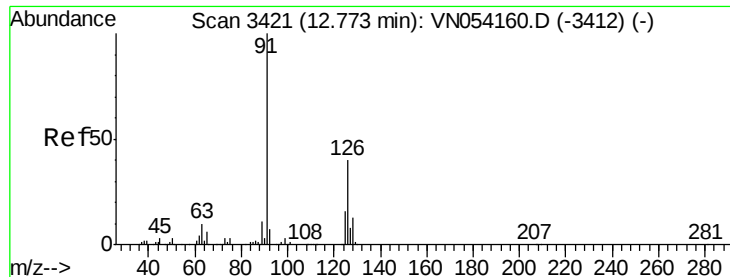


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

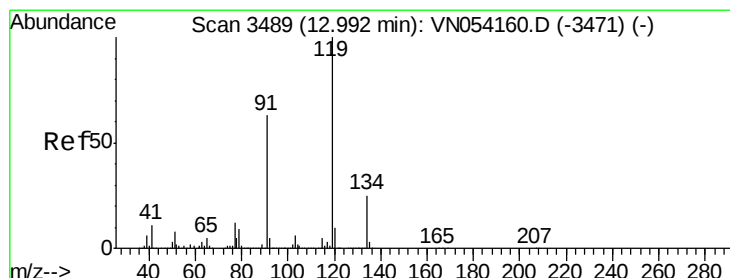
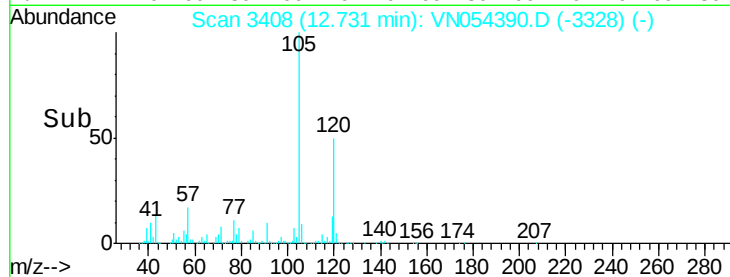
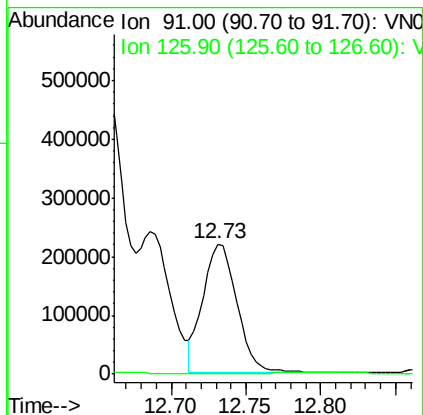
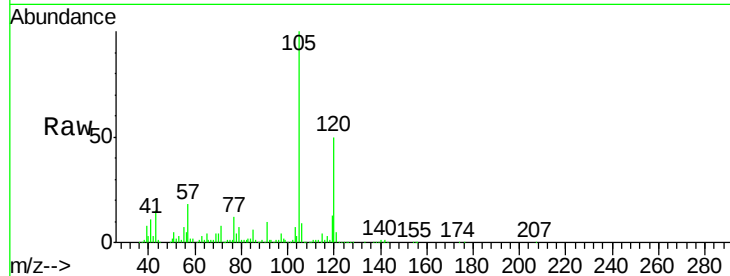




#82
4-Chlorotoluene
Concen: 6.286 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

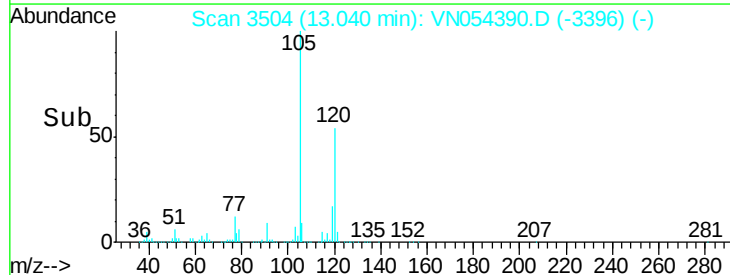
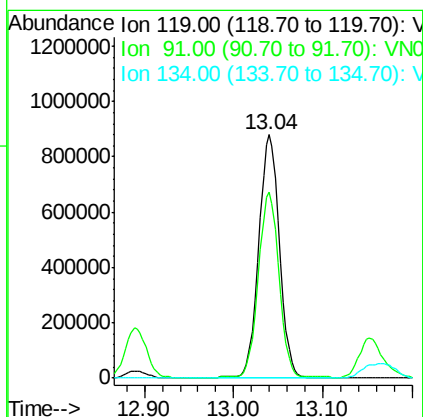
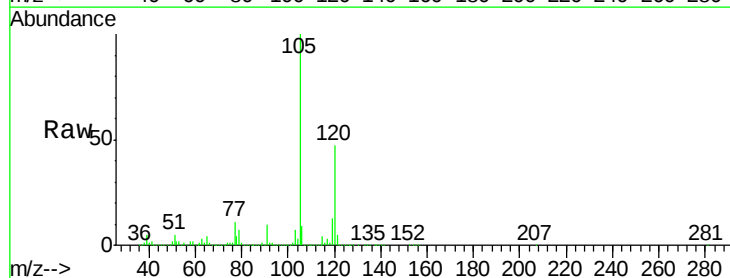
Instrument :
MSVOA_N
ClientSampleId :

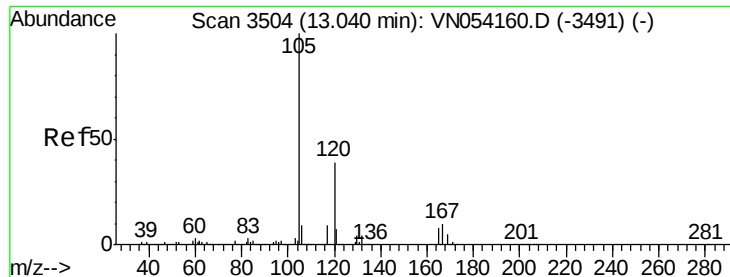
Tot Ion: 91 Resp: 349805
Ion Ratio Lower Upper
91 100
126 0.7 18.1 54.1#



#83
tert-Butylbenzene
Concen: 21.656 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion: 119 Resp: 1416283
Ion Ratio Lower Upper
119 100
91 76.1 30.9 92.8
134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 160.036 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

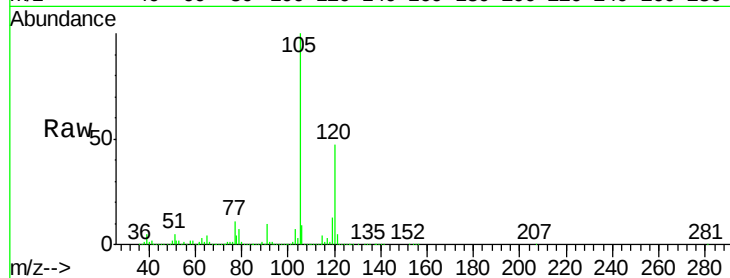
ClientSampleId :

Tot Ion:105 Resp:11155288

Ion Ratio Lower Upper

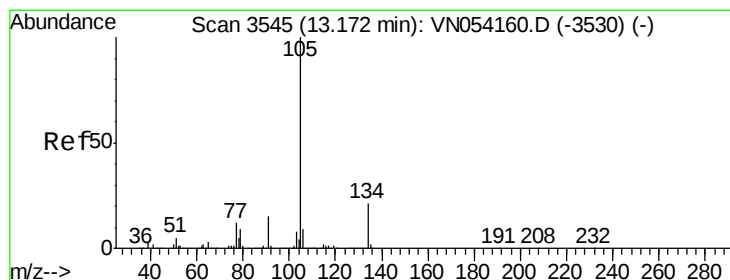
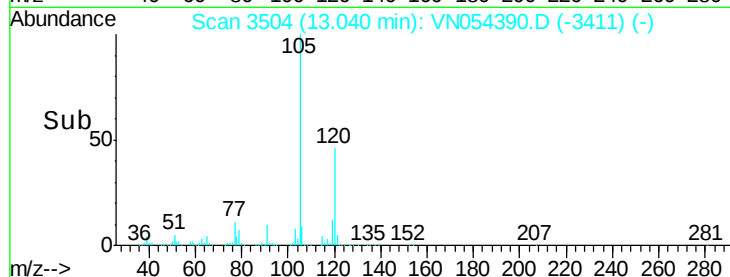
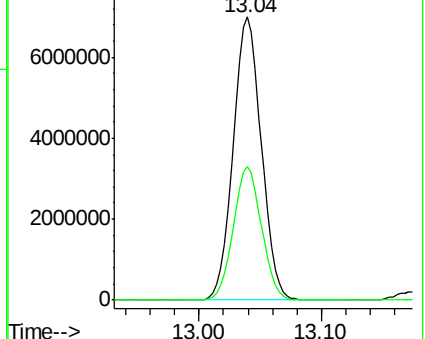
105 100

120 47.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 131.528 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054390.D

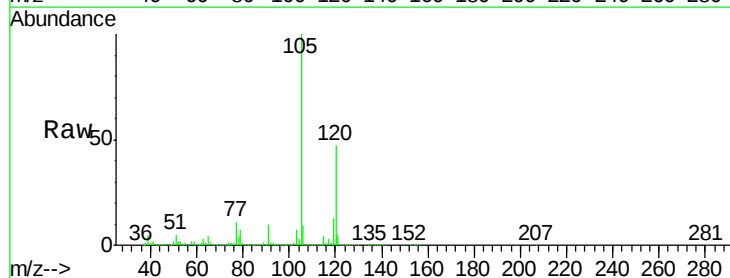
Acq: 18 Mar 2019 13:32

Tgt Ion:105 Resp:11155288

Ion Ratio Lower Upper

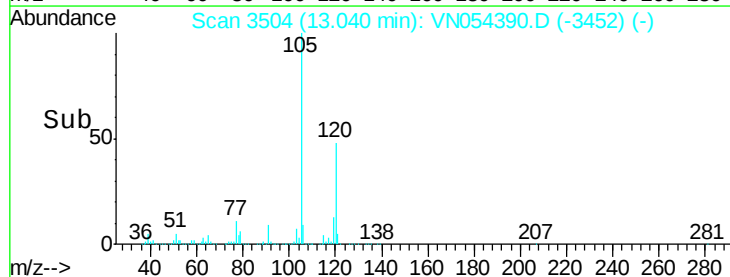
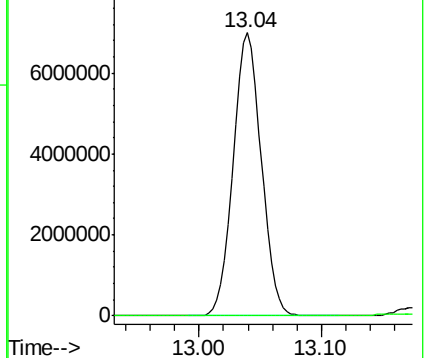
105 100

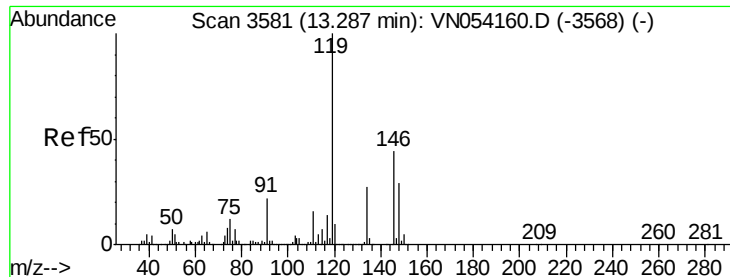
134 0.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

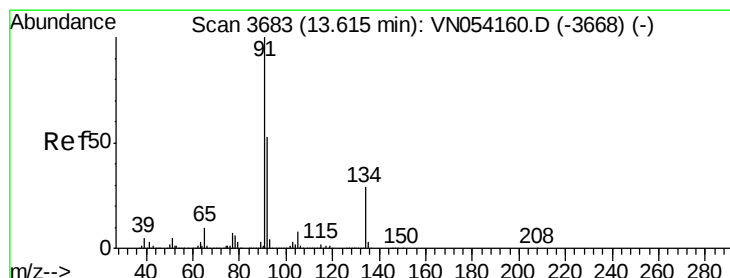
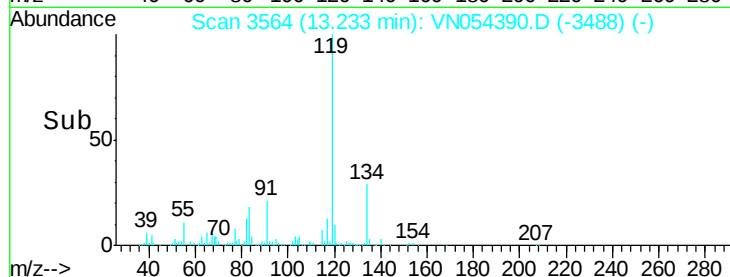
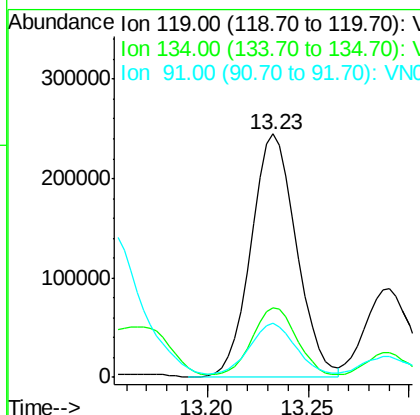
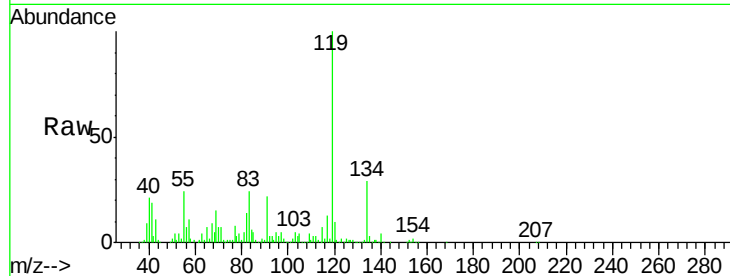




#86
 p-Isopropyltoluene
 Concen: 5.140 ug/l
 RT: 13.23 min Scan# 3564
 Delta R.T. -0.05 min
 Lab File: VN054390.D
 Acq: 18 Mar 2019 13:32

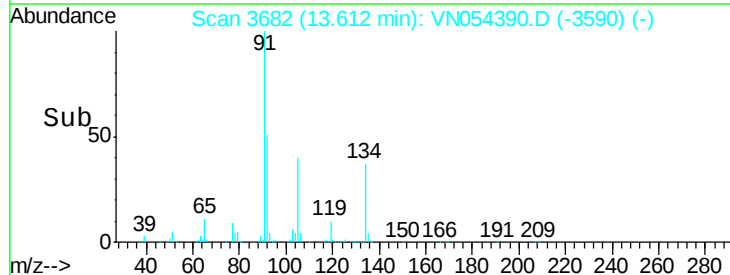
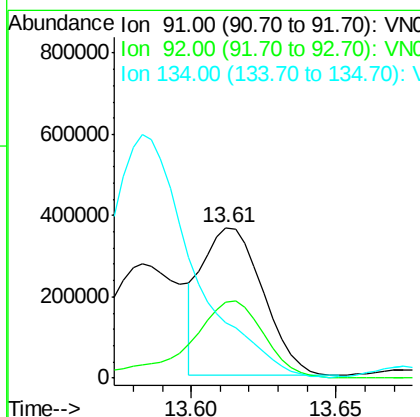
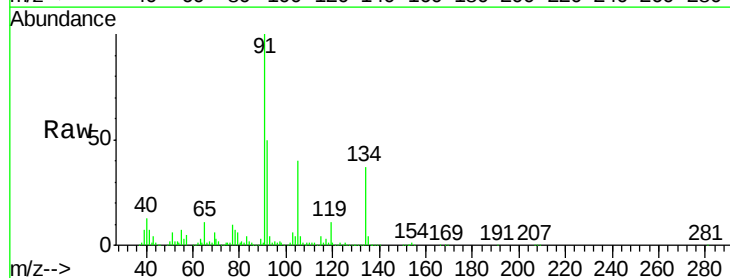
Instrument :
 MSVOA_N
 ClientSampled :

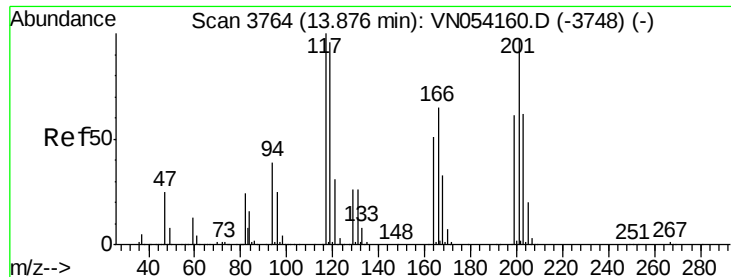
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.9	13.6	40.8
91	20.7	11.1	33.3



#89
 n-Butylbenzene
 Concen: 9.363 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054390.D
 Acq: 18 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.5	26.2	78.6
134	0.0	14.3	42.9





#90

Hexachloroethane

Concen: 14.747 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

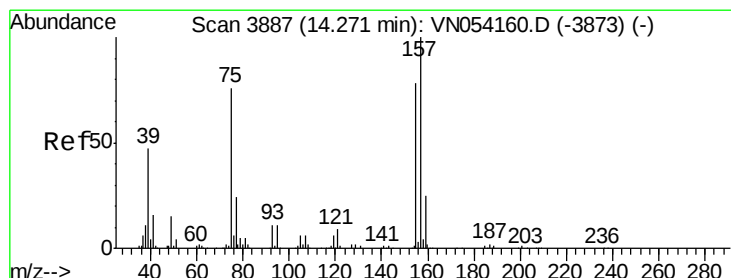
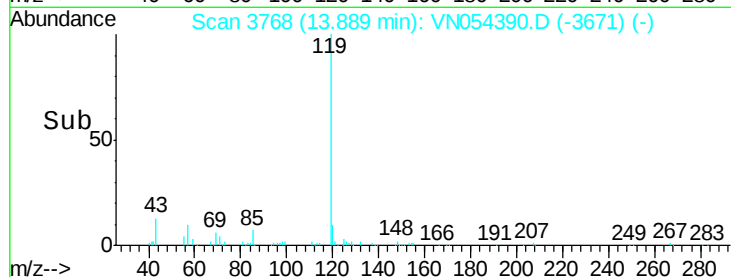
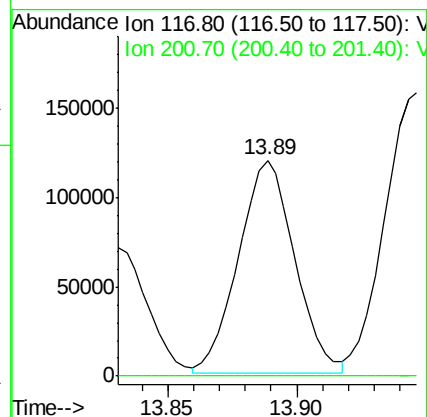
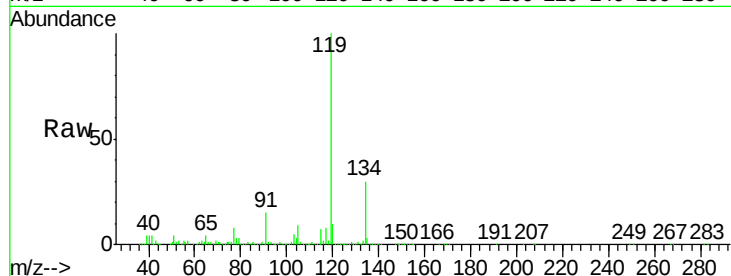
ClientSampleId :

Tot Ion:117 Resp: 181691

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.202 ug/l

RT: 14.29 min Scan# 3894

Delta R.T. 0.02 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

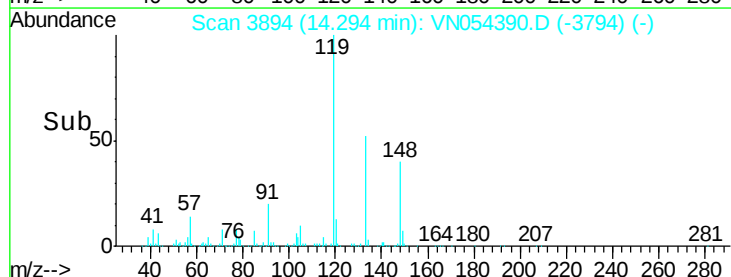
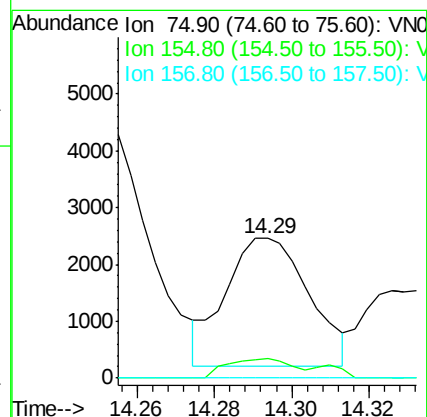
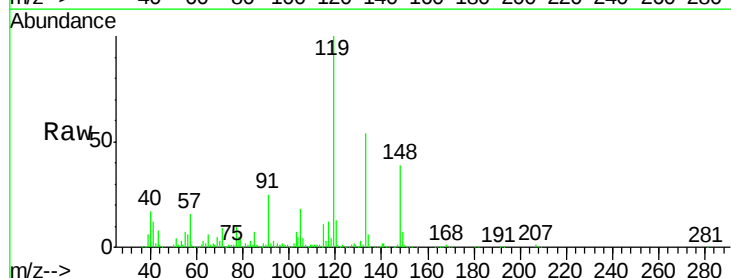
Tgt Ion: 75 Resp: 3385

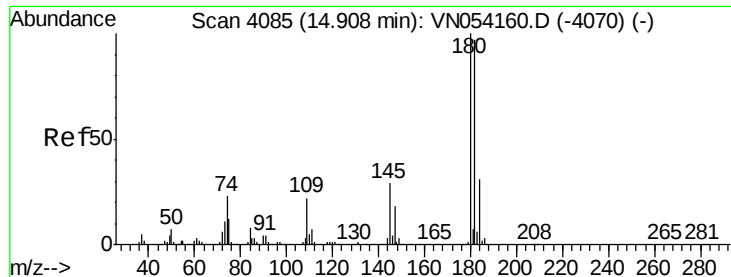
Ion Ratio Lower Upper

75 100

155 11.9 50.1 150.3#

157 0.0 63.1 189.3#

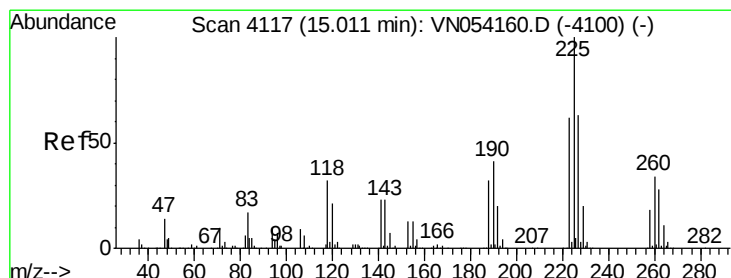
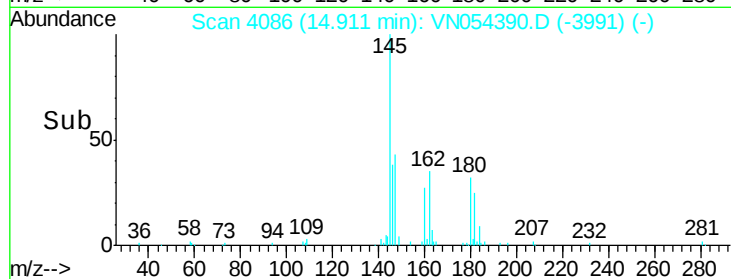
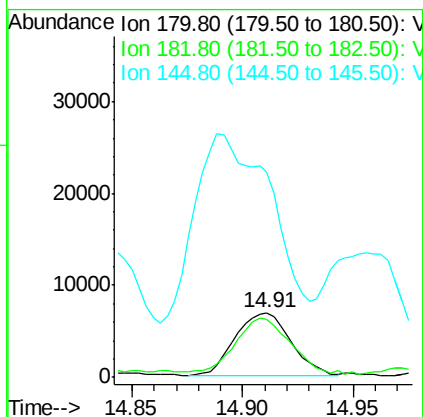
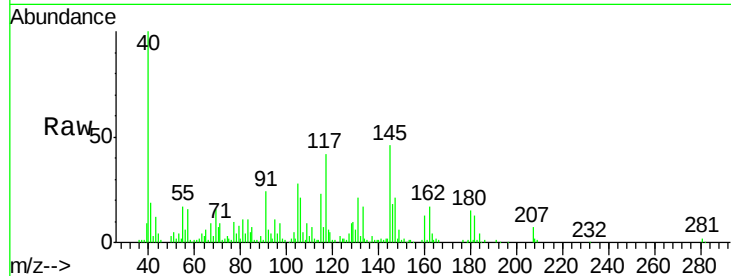




#93
 1,2,4-Trichlorobenzene
 Concen: 3.026 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054390.D
 Acq: 18 Mar 2019 13:32

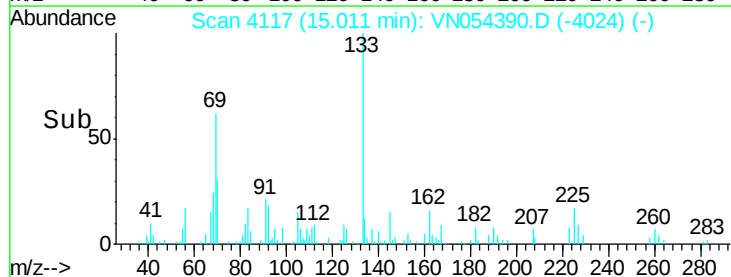
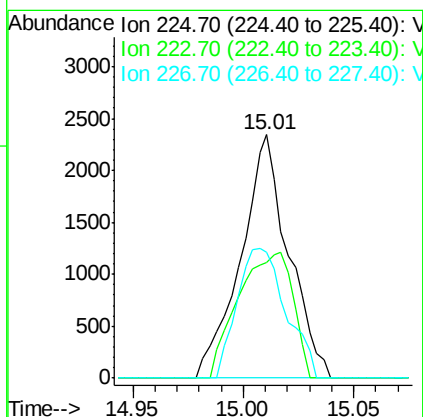
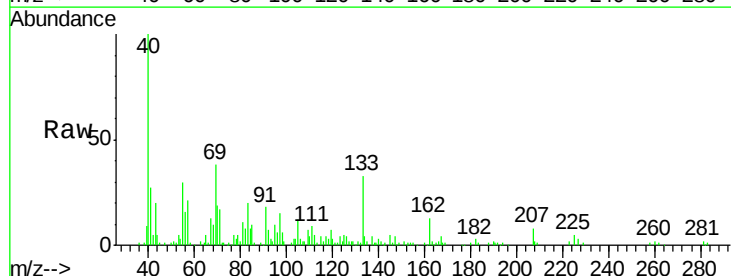
Instrument :
 MSVOA_N
 ClientSampled :

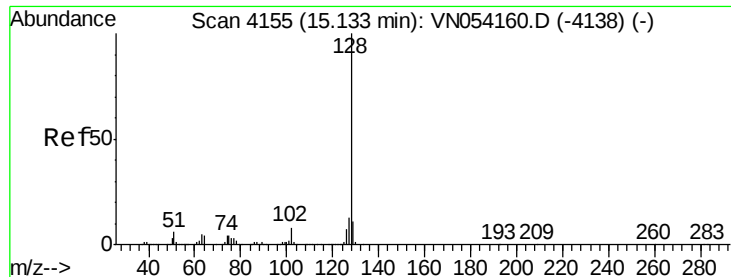
Tot Ion:180 Resp: 12061
 Ion Ratio Lower Upper
 180 100
 182 87.7 48.0 144.2
 145 0.0 14.2 42.8#



#94
 Hexachlorobutadiene
 Concen: 0.247 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054390.D
 Acq: 18 Mar 2019 13:32

Tgt Ion:225 Resp: 3503
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.1 93.5
 227 54.5 31.9 95.9





#95

Naphthalene

Concen: 20.109 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampled :

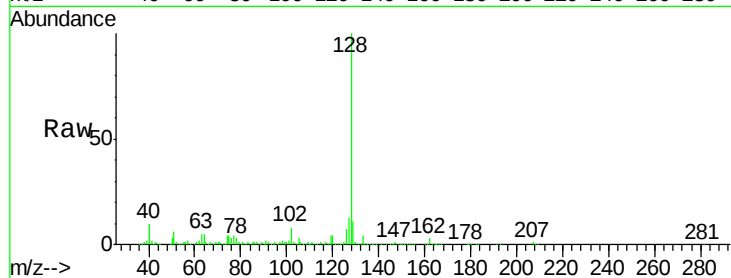
Tot Ion:128 Resp: 837272

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

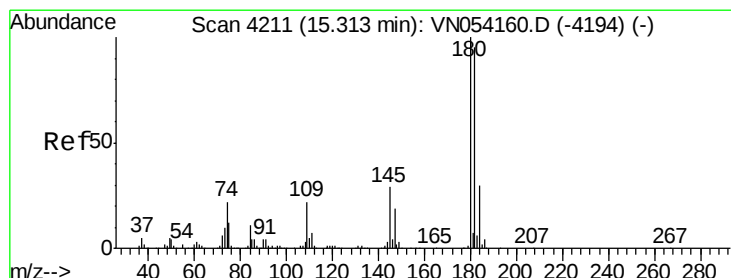
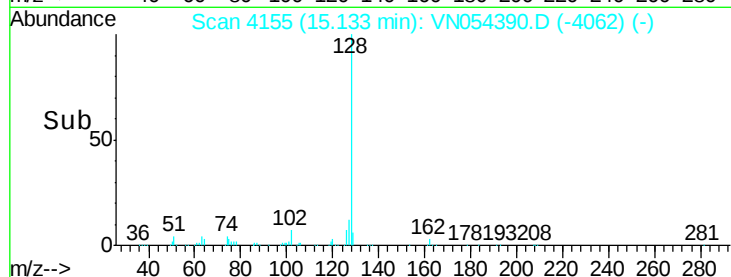
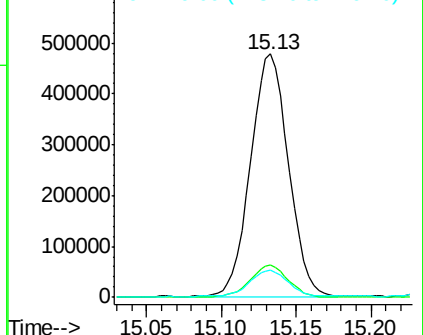
129 11.1 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 0.675 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

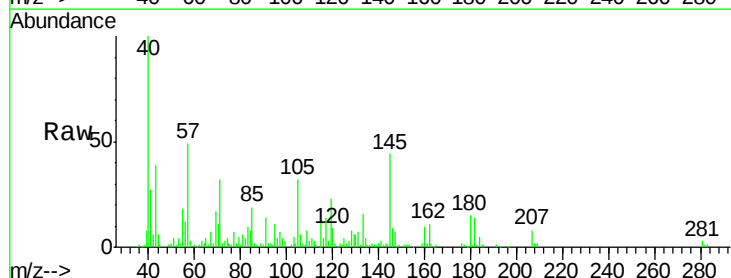
Tgt Ion:180 Resp: 13348

Ion Ratio Lower Upper

180 100

182 84.4 47.5 142.6

145 0.0 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

