

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054264.D
 Acq On : 14 Mar 2019 16:14
 Operator : JC/SP
 Sample : K1899-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A

Quant Time: Mar 15 06:53:55 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	7.67	168	1379221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2215978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2441287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1349842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	705231	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
35) Dibromofluoromethane	7.59	113	674080	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	10.09	98	2833114	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.40	95	1204636	65.23	ug/l	0.00
Spiked Amount			Recovery	=	130.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	1121	1.550	ug/l #	63
11) Tert butyl alcohol	4.80	59	966	0.962	ug/l #	70
13) Acrolein	3.60	56	783	0.823	ug/l #	14
16) Acetone	3.82	43	418903	99.884	ug/l	99
17) Carbon Disulfide	4.04	76	15377	0.428	ug/l	99
20) Methylene Chloride	4.54	84	7336	0.533	ug/l	97
25) 2-Butanone	6.85	43	111752	22.703	ug/l	96
28) Bromochloromethane	7.37	49	6895	0.716	ug/l #	4
29) Tetrahydrofuran	7.23	42	6783	2.143	ug/l #	81
30) Chloroform	7.37	83	93887	3.819	ug/l	97
36) 1,1-Dichloropropene	7.67	75	79675	3.904	ug/l #	48
37) Ethyl Acetate	6.85	43	111752	9.530	ug/l #	68
38) Carbon Tetrachloride	7.66	117	114326	5.342	ug/l #	16
39) Methylcyclohexane	9.08	83	10961	0.437	ug/l	87
40) Benzene	8.04	78	19458501	333.208	ug/l	100
42) 1,2-Dichloroethane	8.13	62	32155	1.631	ug/l	97
43) Isopropyl Acetate	8.27	43	13124	0.638	ug/l #	60
44) Trichloroethene	8.84	130	5047	0.278	ug/l	67
51) 4-Methyl-2-Pentanone	9.99	43	59919	5.501	ug/l	97
53) t-1,3-Dichloropropene	10.16	75	200724	10.566	ug/l #	1
55) 1,1,2-Trichloroethane	10.42	97	121887	9.015	ug/l #	19
56) Ethyl methacrylate	10.42	69	8844	0.549	ug/l #	27
58) 2-Chloroethyl Vinyl ether	9.69	63	92	16.840	ug/l #	44
59) 2-Hexanone	10.75	43	28723	3.963	ug/l	94
68) m/p-Xylenes	11.62	106	14792364	425.928	ug/l #	1
69) o-Xylene	11.95	106	8309877	245.450	ug/l	89
70) Styrene	11.96	104	1829060	34.447	ug/l #	37
71) Bromoform	12.40	173	7270	2.817	ug/l #	1
73) Isopropylbenzene	12.25	105	1941785	17.980	ug/l	100
74) N-amyl acetate	12.03	43	164441	6.860	ug/l #	46
76) 1,2,3-Trichloropropane	12.66	75	73345	3.695	ug/l #	100
78) n-propylbenzene	12.59	91	1035108	8.833	ug/l	99
79) 2-Chlorotoluene	12.65	91	1091004	15.484	ug/l	76
80) 1,3,5-Trimethylbenzene	12.73	105	4486124	49.940	ug/l	99

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

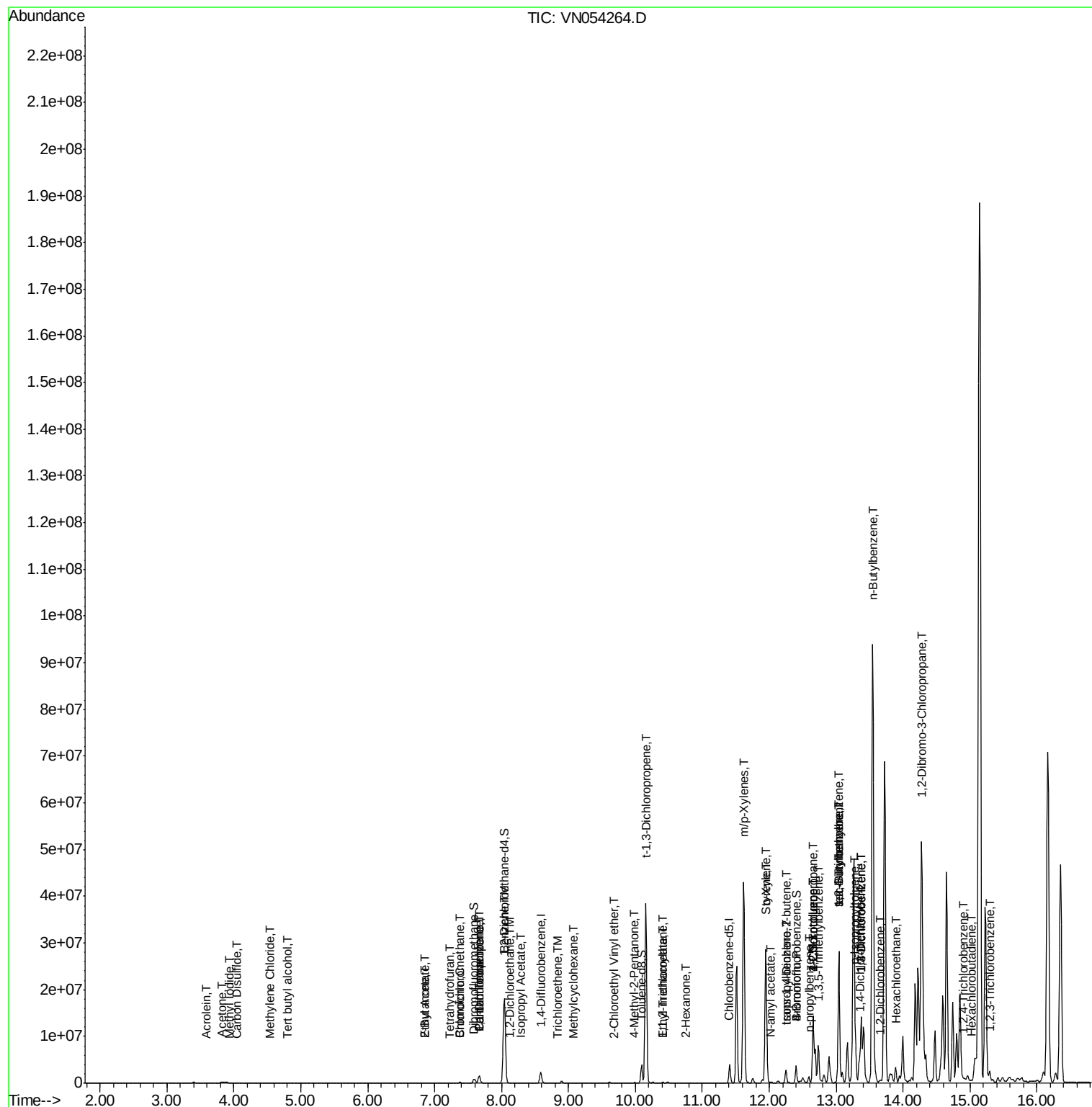
81) trans-1,4-Dichloro-2-buten	12.25	75	21971	3.784	ug/l #	72
82) 4-Chlorotoluene	12.65	91	1091004	15.507	ug/l	78
83) tert-Butylbenzene	13.04	119	2110006	25.519	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.04	105	15523713	176.151	ug/l	95
85) sec-Butylbenzene	13.04	105	15523713	144.773	ug/l #	55
86) p-Isopropyltoluene	13.29	119	4213013	44.785	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	270317	5.614	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	270317	5.714	ug/l	97
89) n-Butylbenzene	13.54	91	11952541	167.223	ug/l #	42
90) Hexachloroethane	13.89	117	208778	13.403	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	139081	2.954	ug/l #	81
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1165009	327.203	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	24057	3.320	ug/l #	85
94) Hexachlorobutadiene	15.01	225	3952	0.220	ug/l	93
96) 1,2,3-Trichlorobenzene	15.32	180	23551	0.942	ug/l #	85

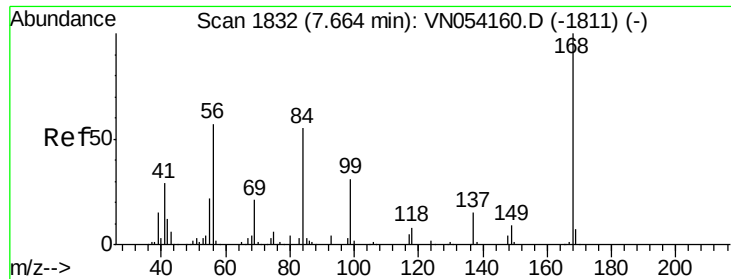
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

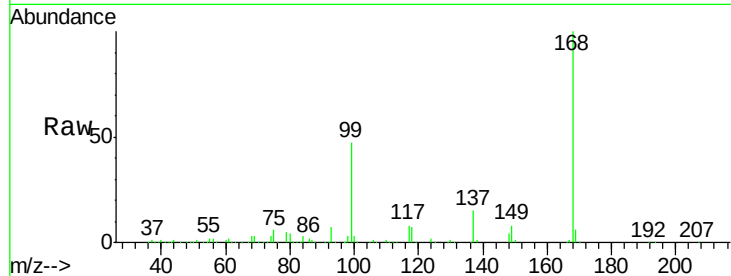
MW-1A

Tot Ion:168 Resp: 1379221

Ion Ratio Lower Upper

168 100

99 47.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

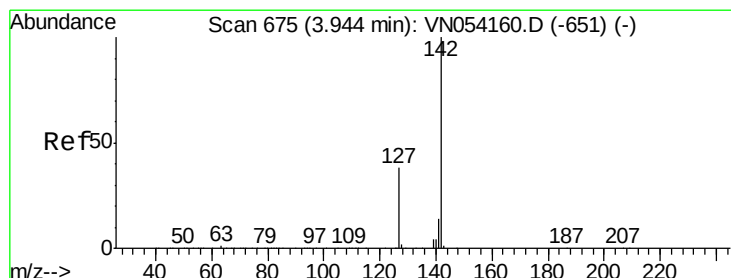
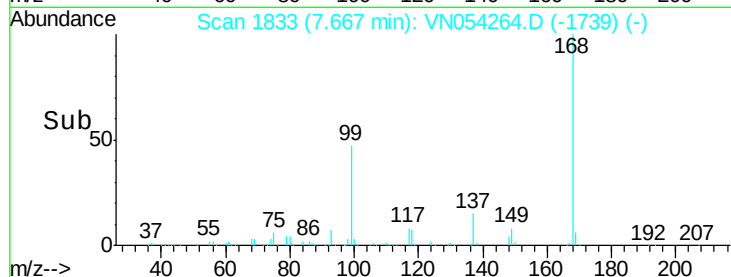
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.550 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

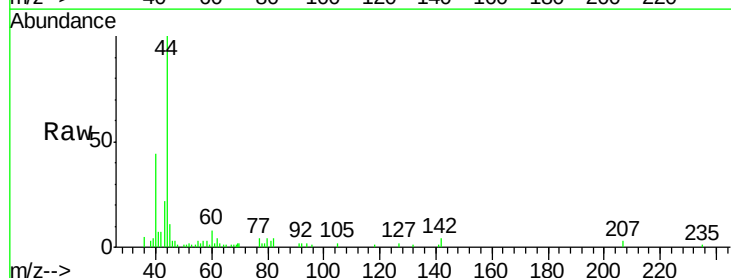
Tgt Ion:142 Resp: 1121

Ion Ratio Lower Upper

142 100

127 10.0 30.3 45.5#

141 19.4 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

3.95

800

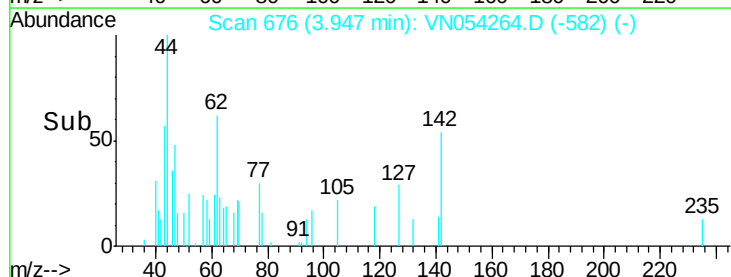
600

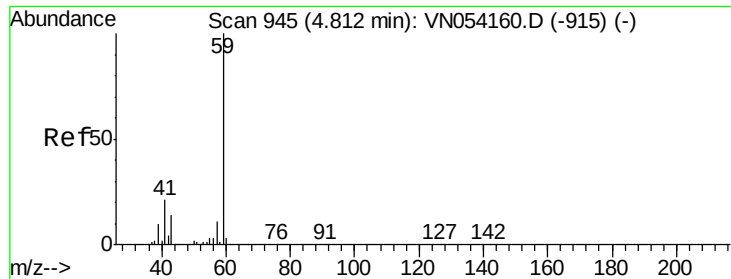
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200

0

Time-->



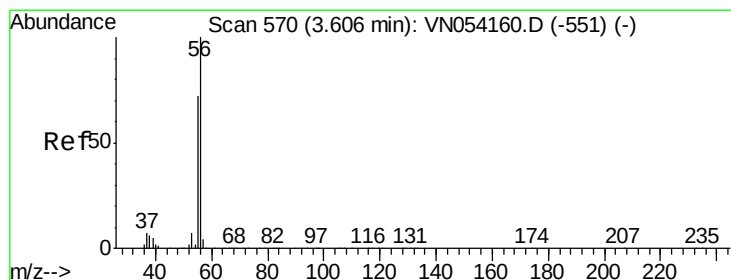
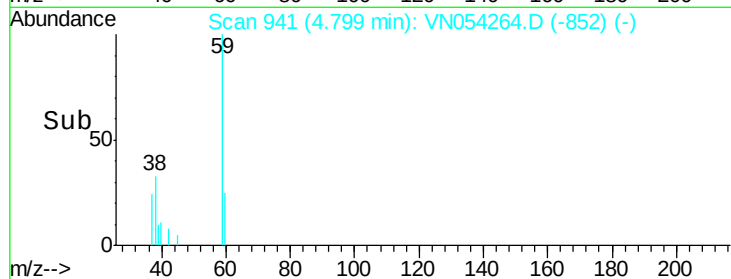
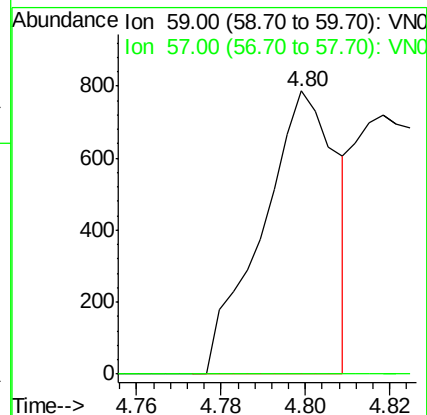
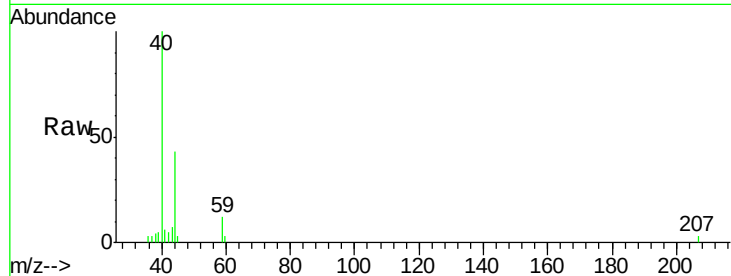


#11

Tert butyl alcohol
 Concen: 0.962 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1A

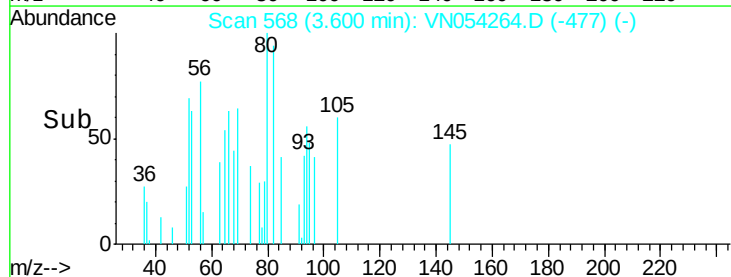
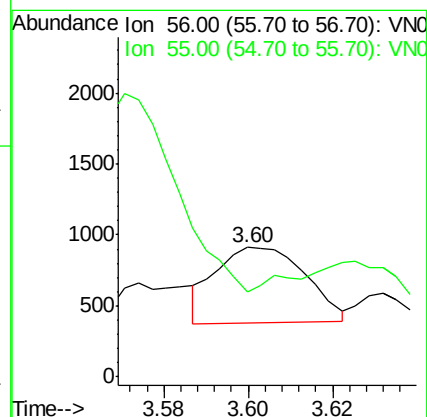
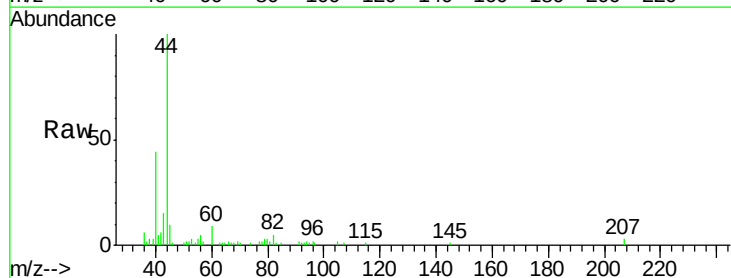
Tot Ion: 59 Resp: 966
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

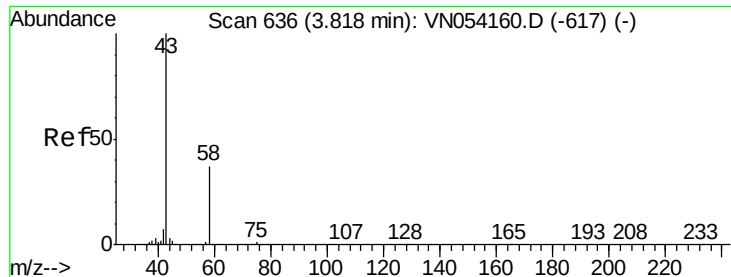


#13

Acrolein
 Concen: 0.823 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

Tgt Ion: 56 Resp: 783
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#





#16

Acetone

Concen: 99.884 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

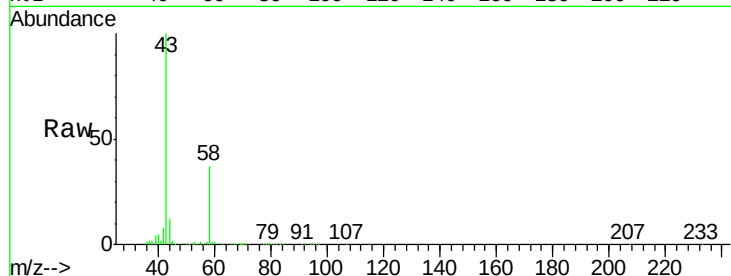
MW-1A

Tot Ion: 43 Resp: 418903

Ion Ratio Lower Upper

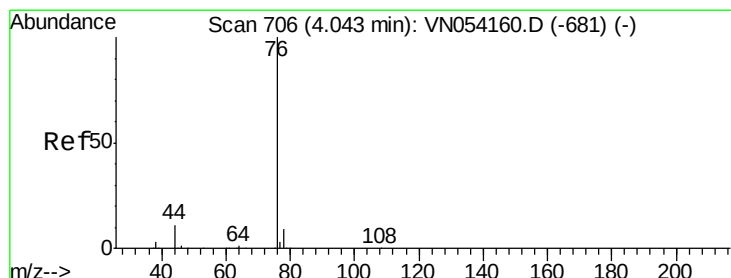
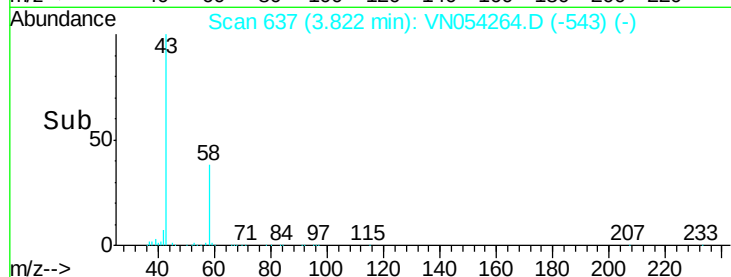
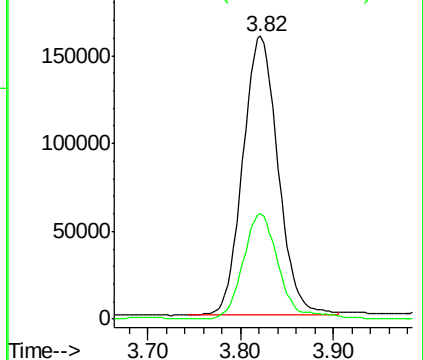
43 100

58 37.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.428 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054264.D

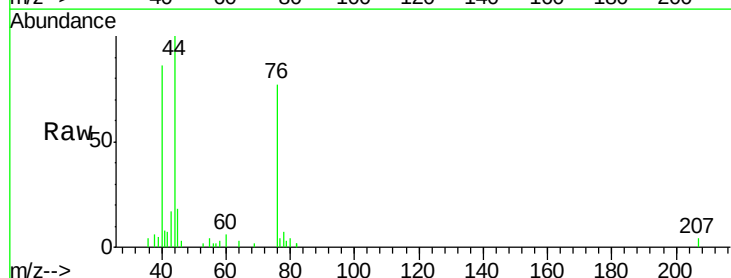
Acq: 14 Mar 2019 16:14

Tgt Ion: 76 Resp: 15377

Ion Ratio Lower Upper

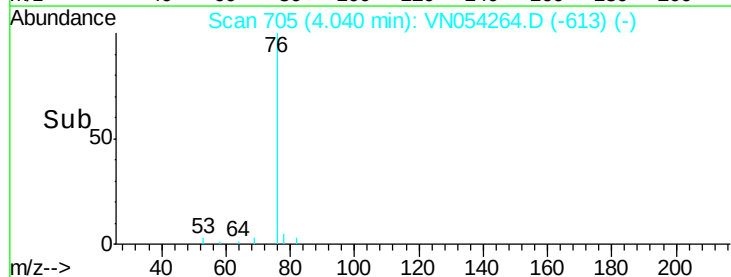
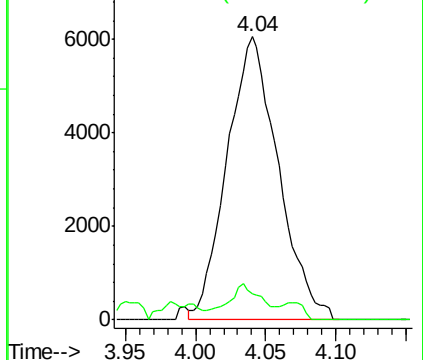
76 100

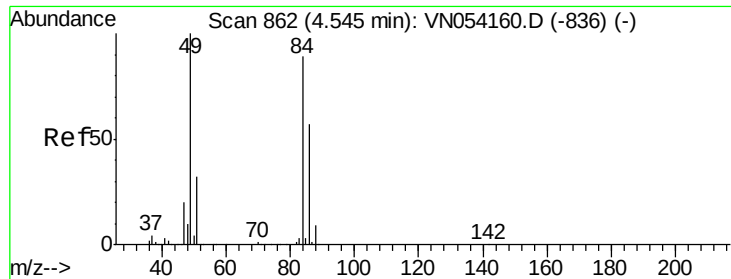
78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

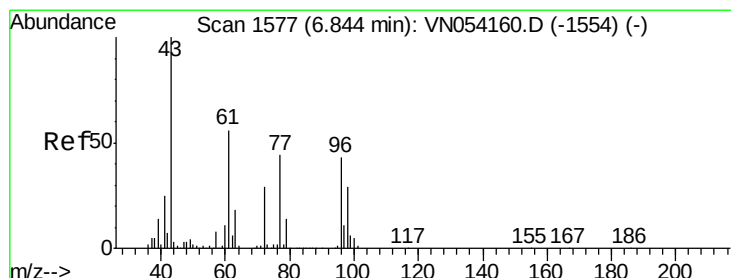
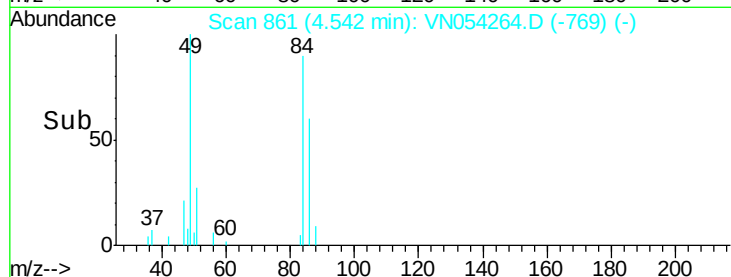
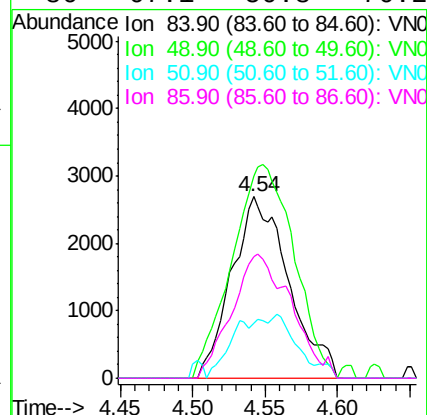
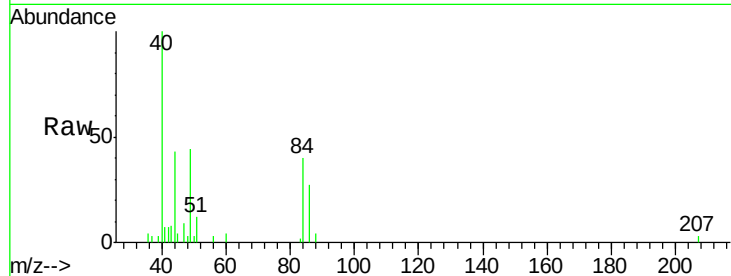




#20
Methvlene Chloride
Concen: 0.533 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

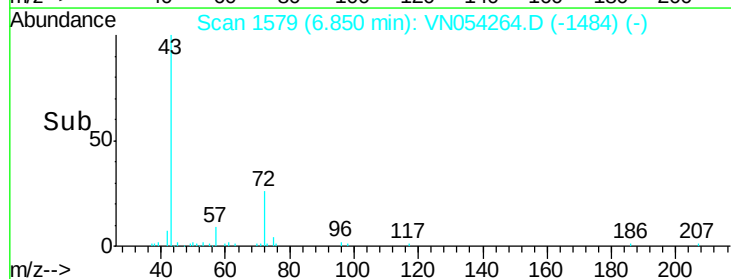
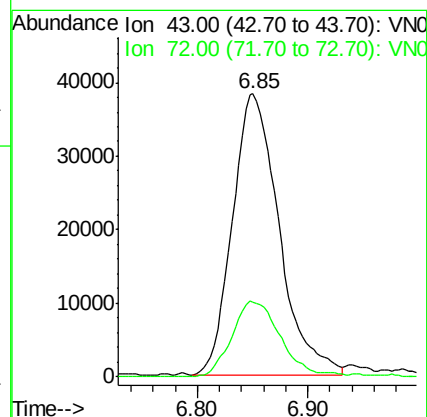
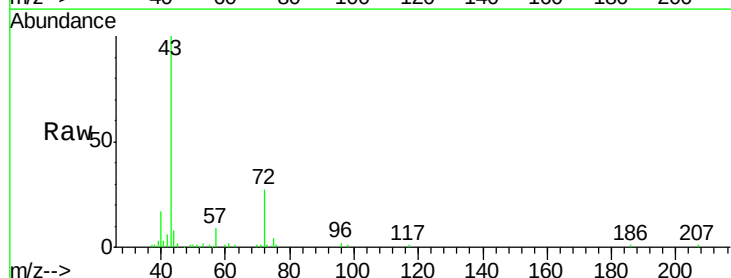
Instrument :
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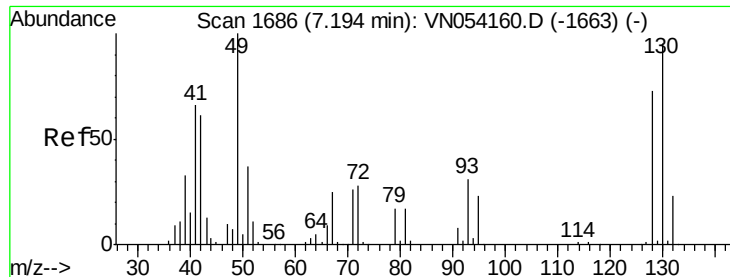
Tot Ion:	84	Resp:	7336
Ion	Ratio	Lower	Upper
84	100		
49	111.0	89.7	134.5
51	30.0	28.2	42.4
86	67.1	50.8	76.2



#25
2-Butanone
Concen: 22.703 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

Tgt Ion:	43	Resp:	111752
Ion	Ratio	Lower	Upper
43	100		
72	26.8	23.0	34.6





#28

Bromochloromethane

Concen: 0.716 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.17 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

MW-1A

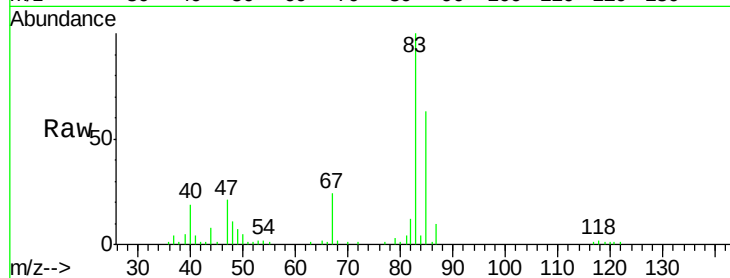
Tot Ion: 49 Resp: 6895

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0

7.37

3000

2000

1000

0

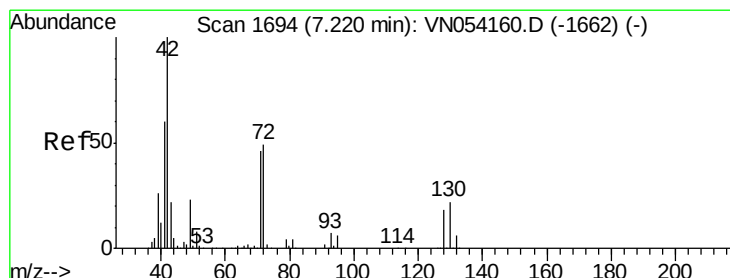
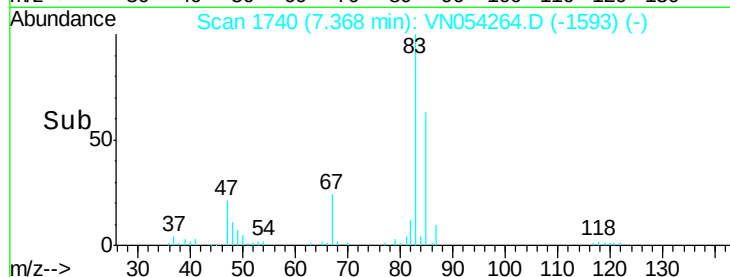
Time-->

7.30

7.35

7.40

7.45



#29

Tetrahydrofuran

Concen: 2.143 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

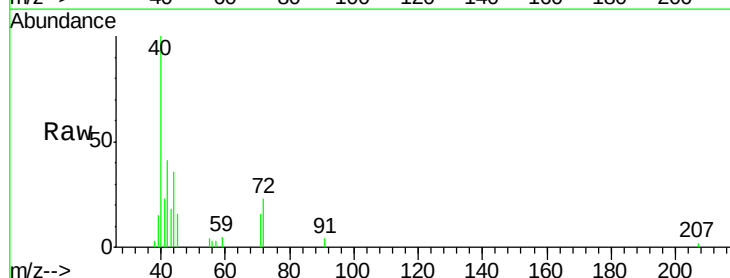
Tgt Ion: 42 Resp: 6783

Ion Ratio Lower Upper

42 100

72 62.6 37.8 56.6#

71 35.5 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.23

3000

2000

1000

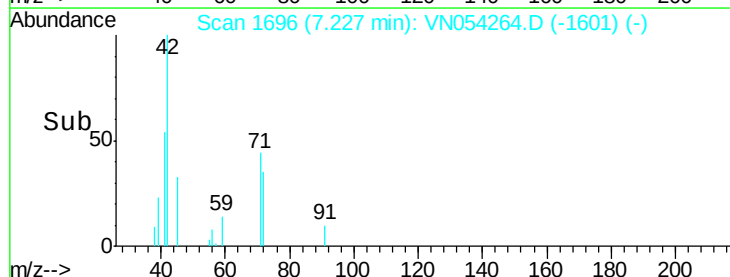
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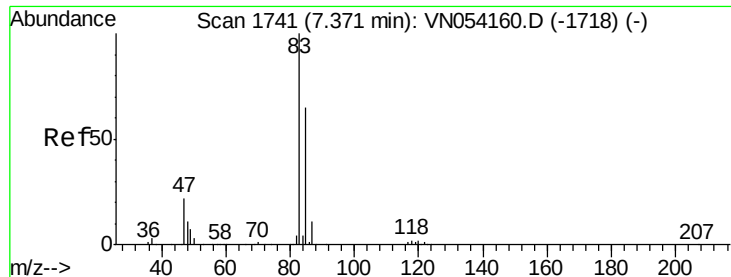
Time-->

7.15

7.20

7.25

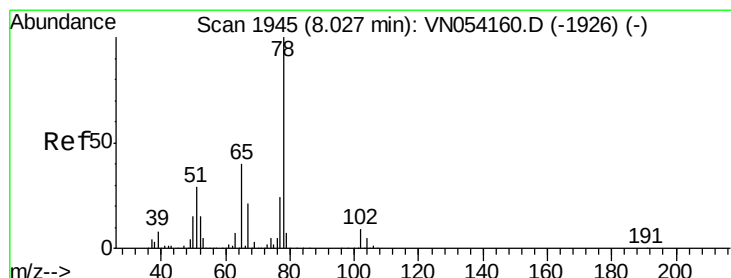
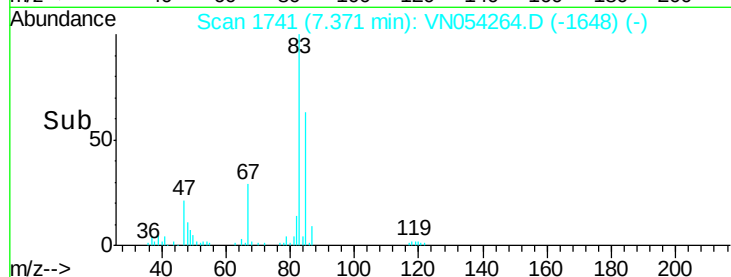
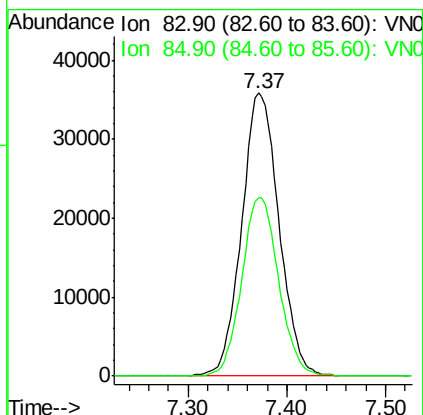
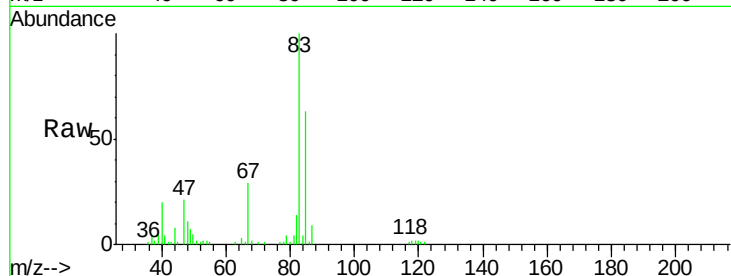




#30
Chloroform
Concen: 3.819 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

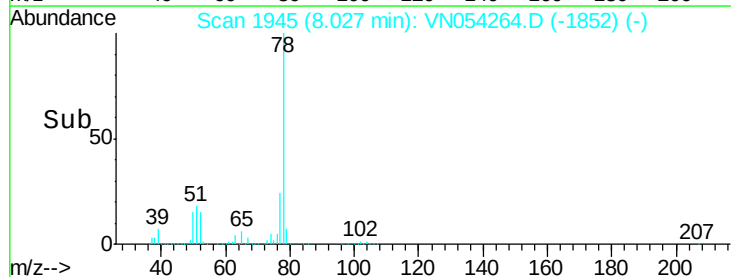
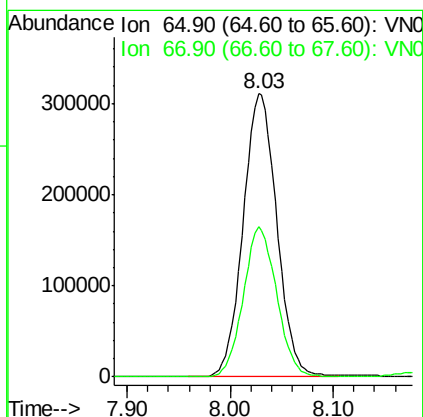
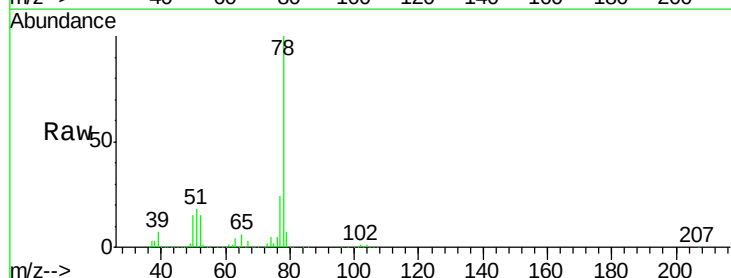
Instrument :
MSVOA_N
ClientSampled :
MW-1A

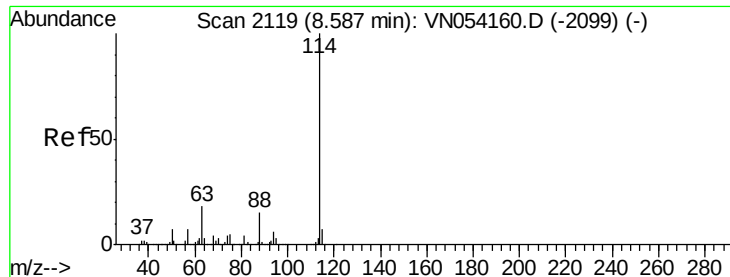
Tot Ion: 83 Resp: 93887
Ion Ratio Lower Upper
83 100
85 63.2 52.2 78.4



#33
1,2-Dichloroethane-d4
Concen: 48.147 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

Tgt Ion: 65 Resp: 705231
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6

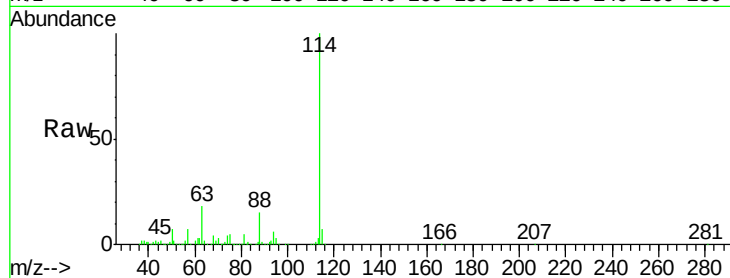




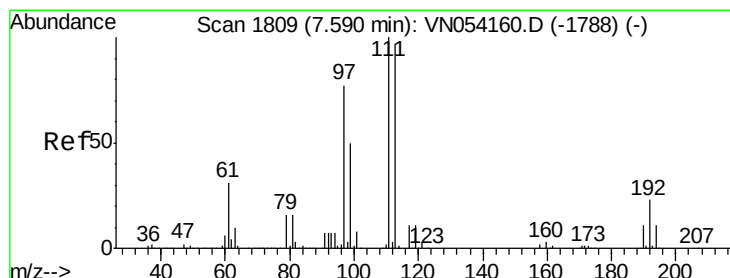
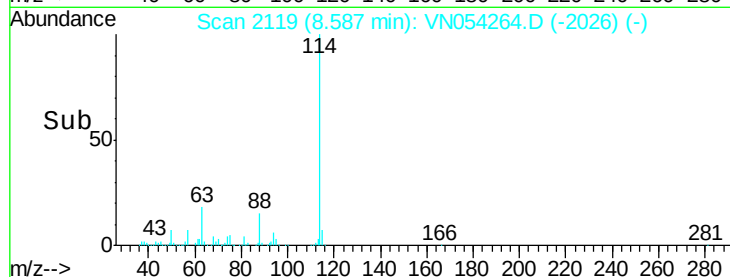
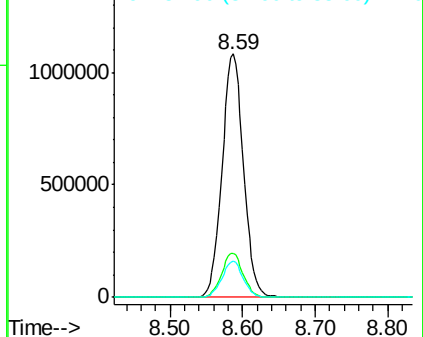
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A

Tot Ion:114 Resp: 2215978
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.2
 88 14.8 0.0 30.2

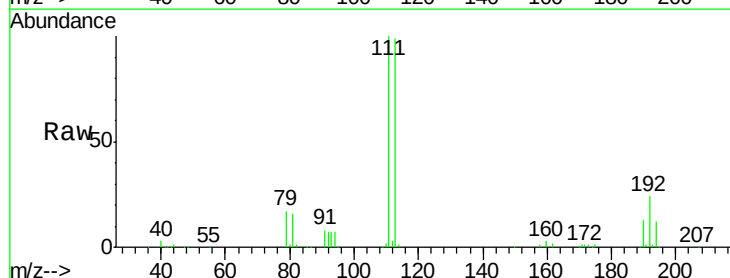


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

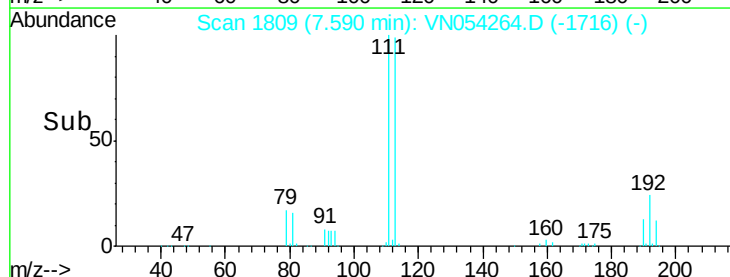
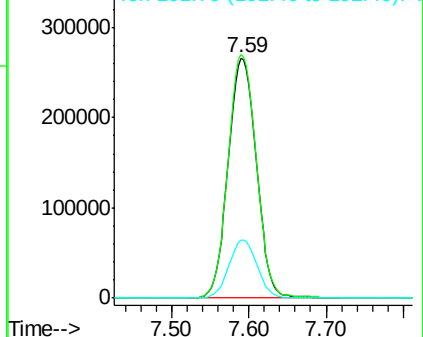


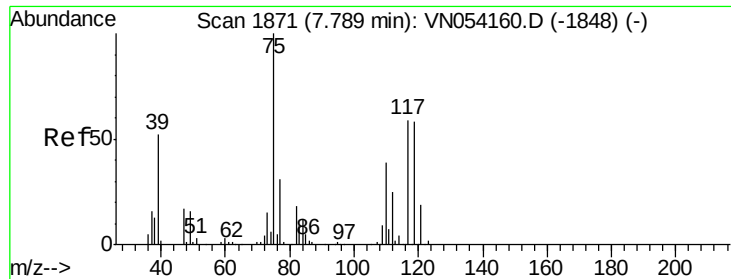
#35
 Dibromofluoromethane
 Concen: 47.164 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

Tgt Ion:113 Resp: 674080
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.4
 192 24.0 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: 3.904 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

MW-1A

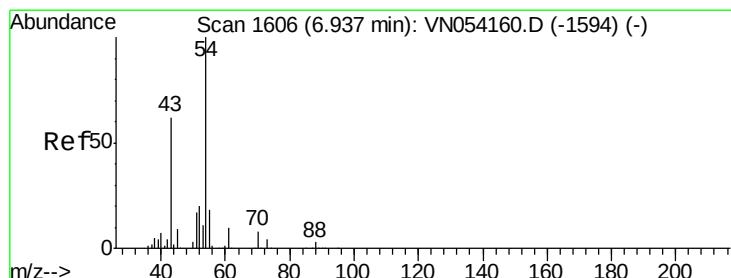
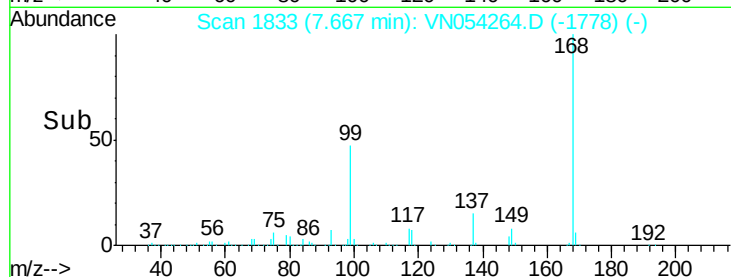
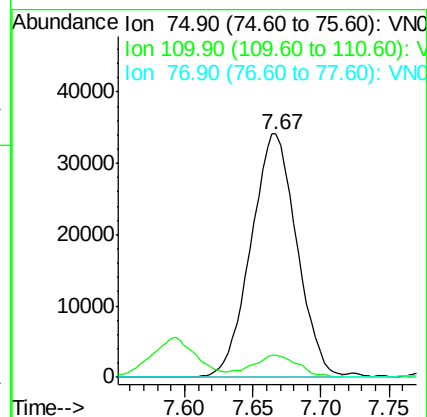
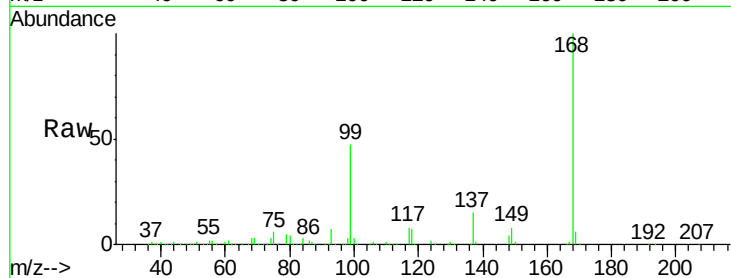
Tot Ion: 75 Resp: 79675

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 9.530 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. -0.09 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

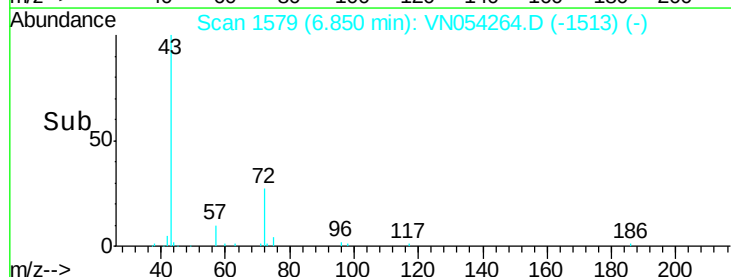
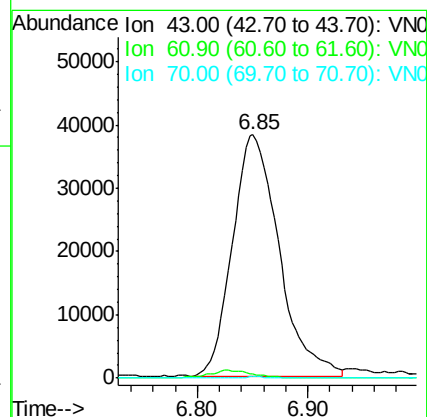
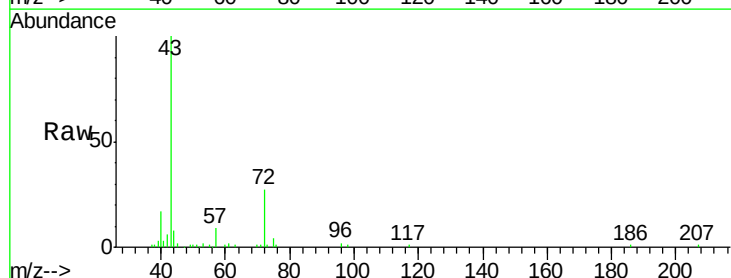
Tgt Ion: 43 Resp: 111752

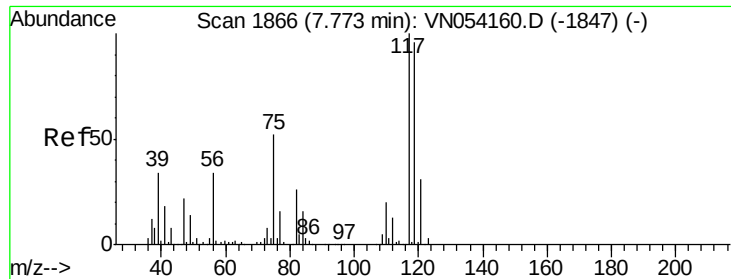
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.2 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 5.342 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

MW-1A

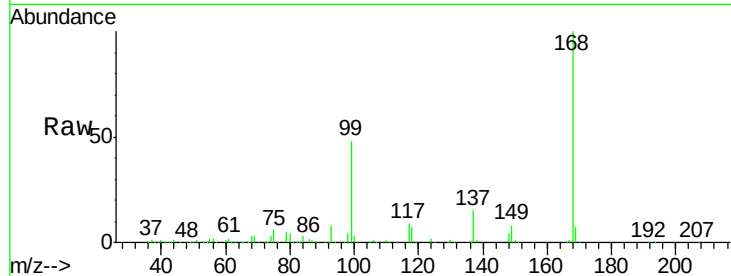
Tot Ion:117 Resp: 114326

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

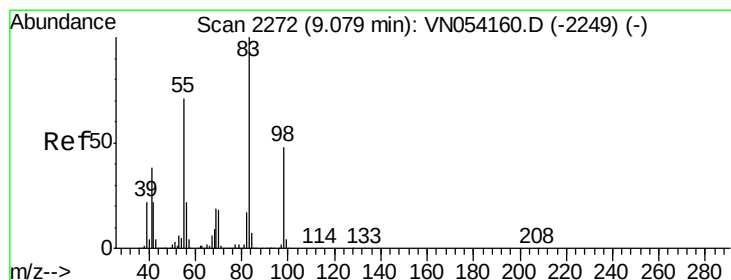
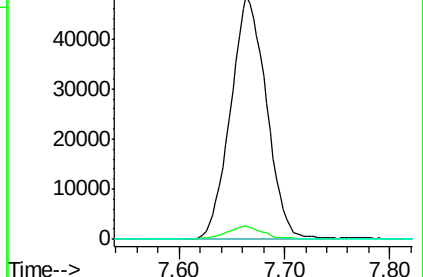
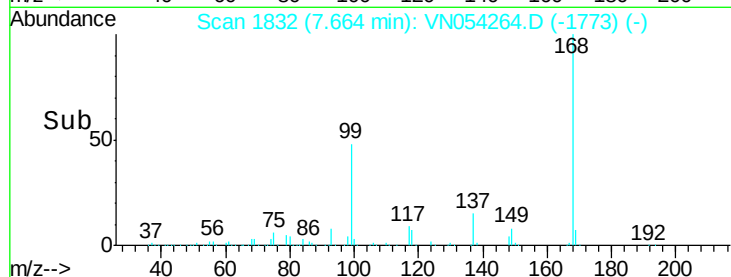
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.437 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

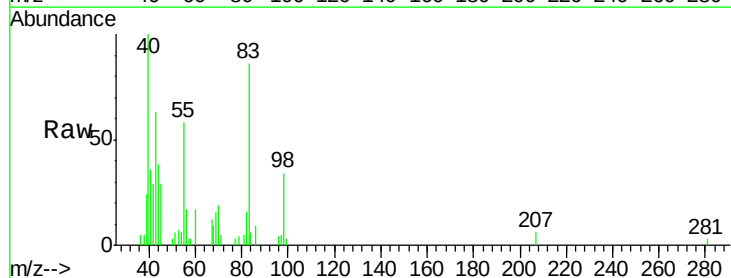
Tgt Ion: 83 Resp: 10961

Ion Ratio Lower Upper

83 100

55 60.1 56.6 84.8

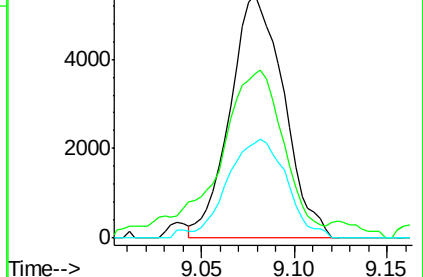
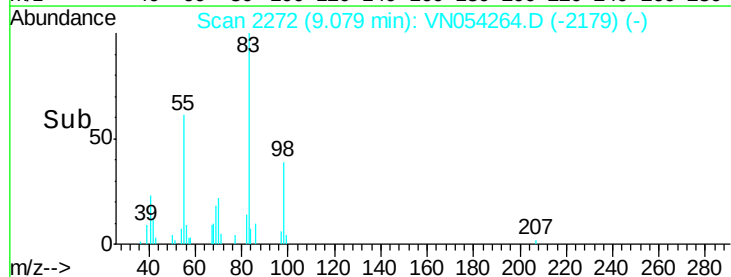
98 39.2 38.4 57.6

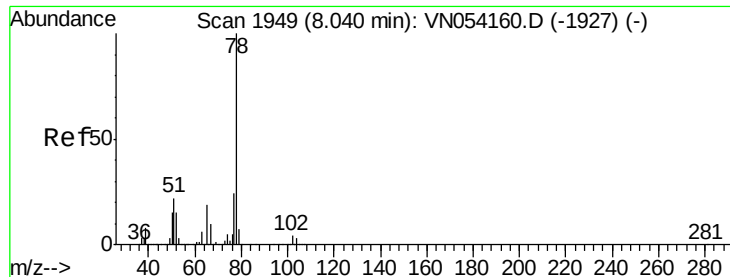


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 333.208 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

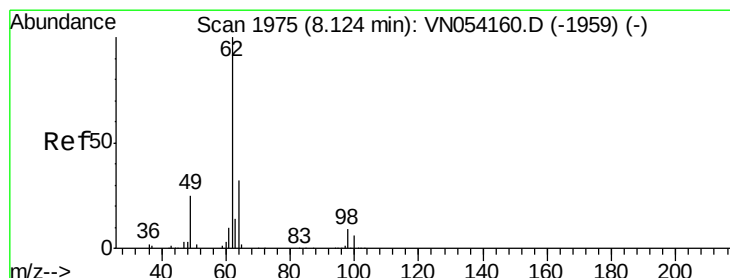
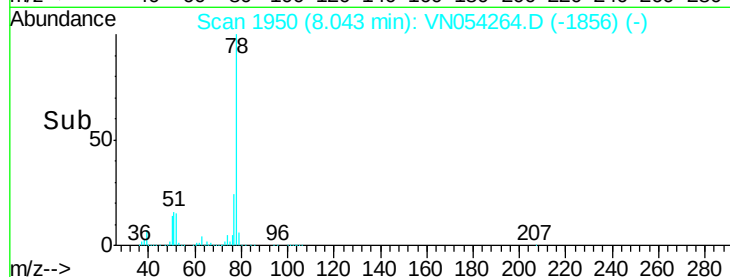
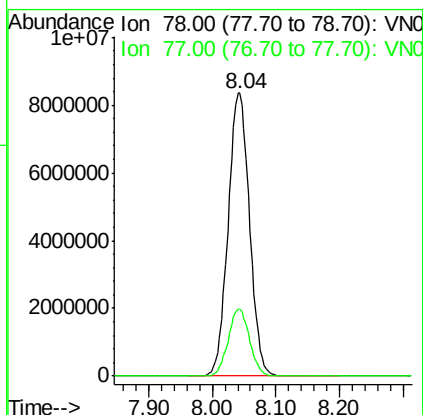
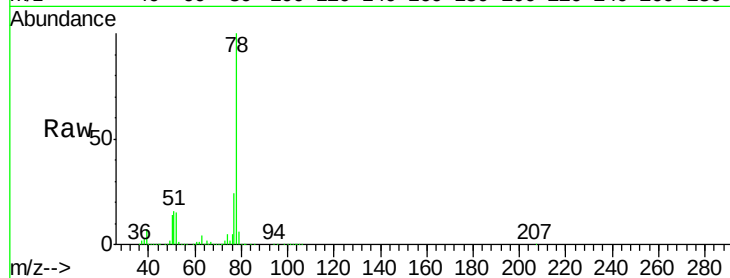
MW-1A

Tot Ion: 78 Resp:19458501

Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7



#42

1,2-Dichloroethane

Concen: 1.631 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054264.D

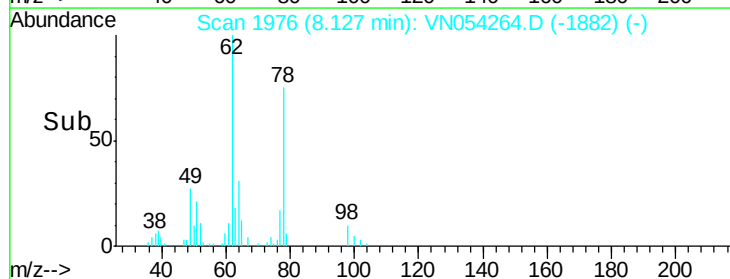
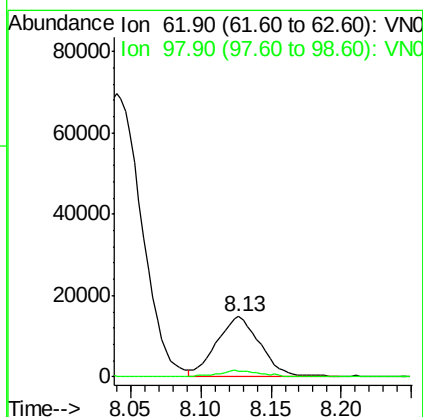
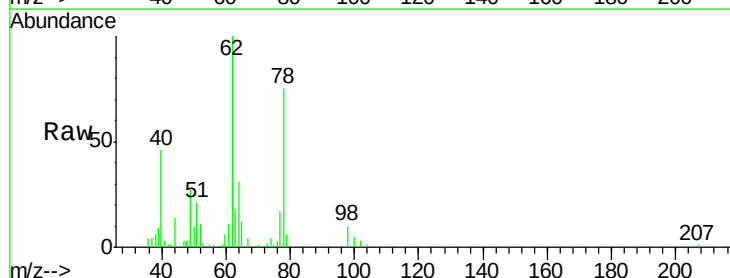
Acq: 14 Mar 2019 16:14

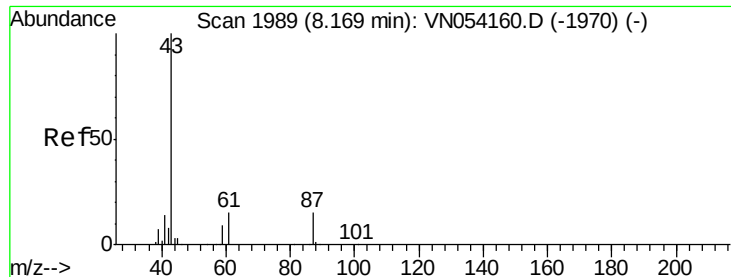
Tgt Ion: 62 Resp: 32155

Ion Ratio Lower Upper

62 100

98 10.4 0.0 18.4





#43

Isopropyl Acetate

Concen: 0.638 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.10 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

MW-1A

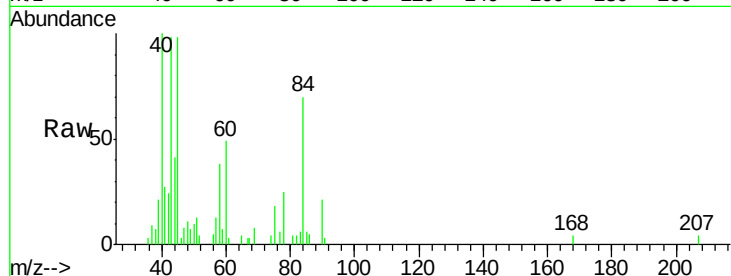
Tot Ion: 43 Resp: 13124

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

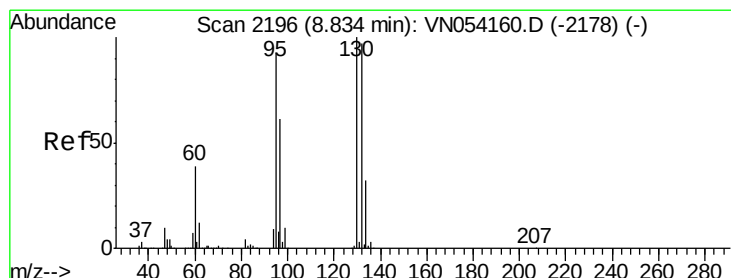
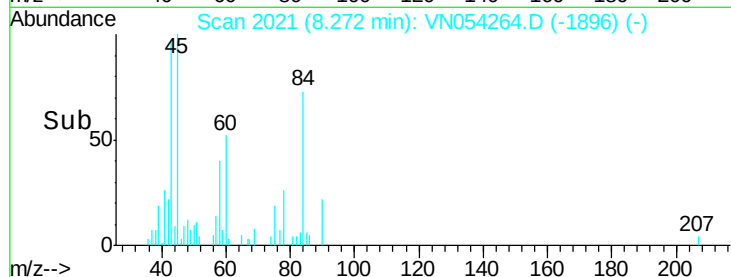
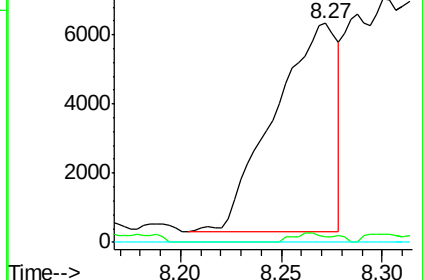
87 0.0 12.0 18.0#



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) (-)



#44

Trichloroethene

Concen: 0.278 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054264.D

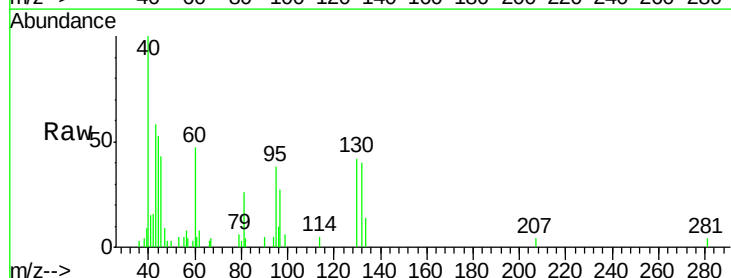
Acq: 14 Mar 2019 16:14

Tgt Ion: 130 Resp: 5047

Ion Ratio Lower Upper

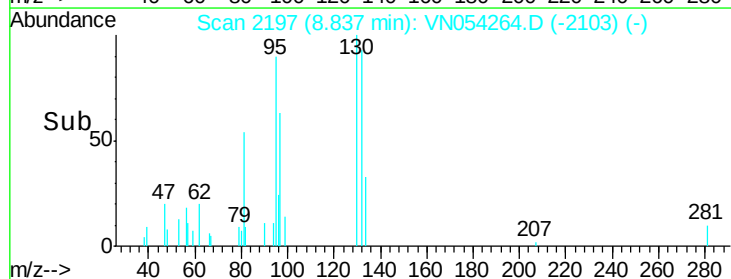
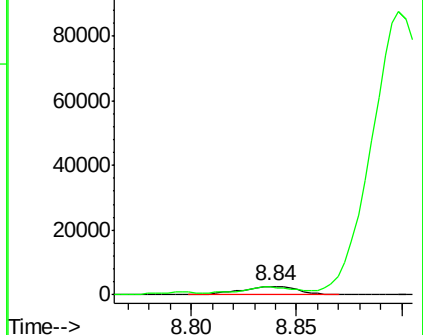
130 100

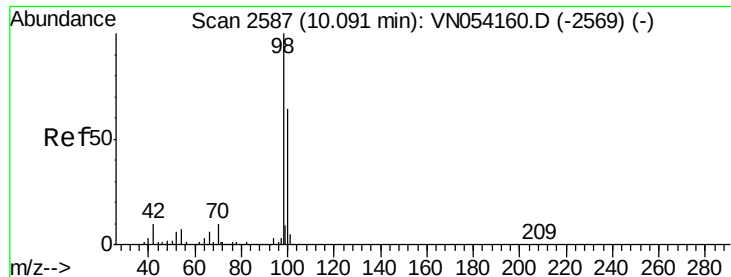
95 61.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)





#50

Toluene-d8

Concen: 53.675 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

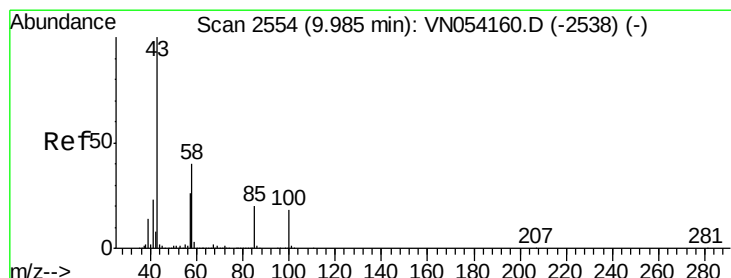
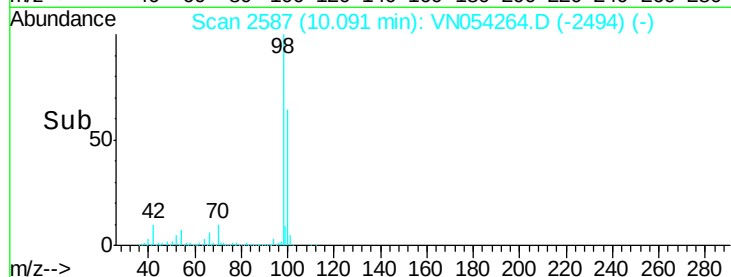
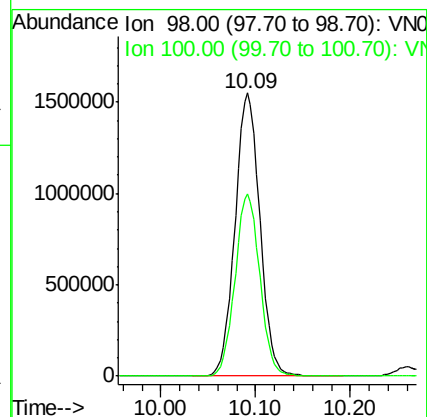
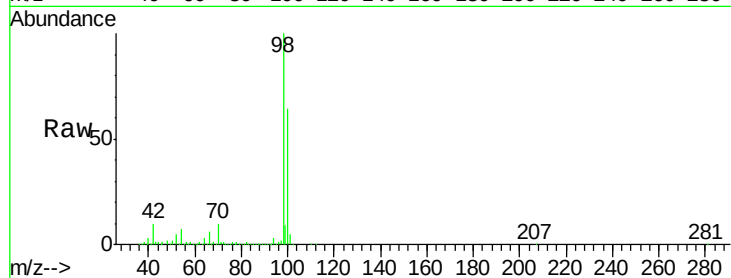
MW-1A

Tot Ion: 98 Resp: 2833114

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 5.501 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054264.D

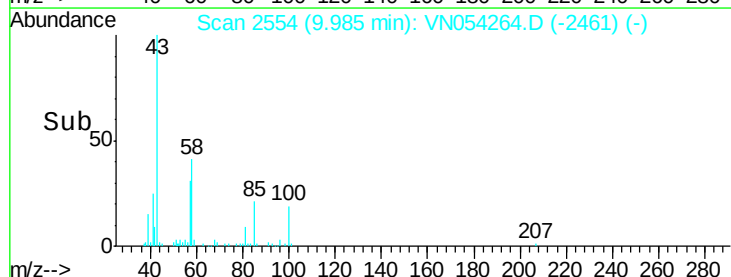
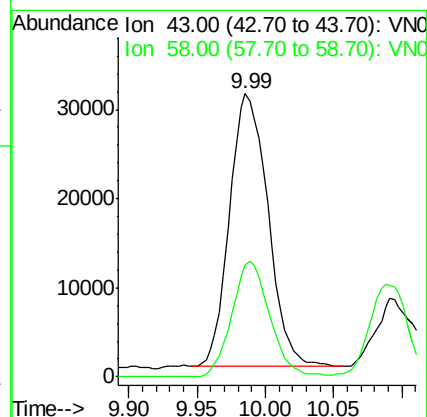
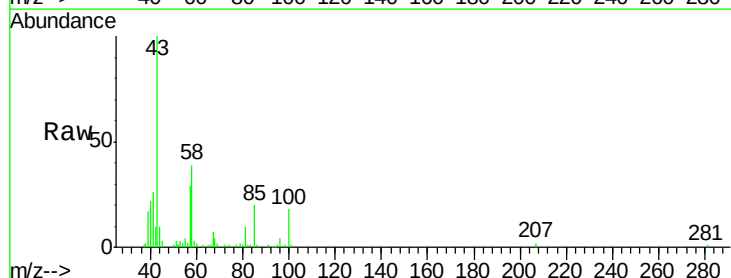
Acq: 14 Mar 2019 16:14

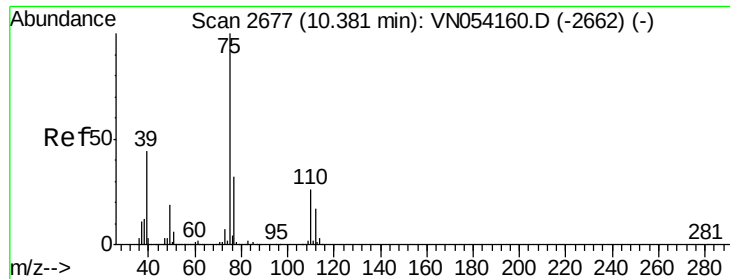
Tgt Ion: 43 Resp: 59919

Ion Ratio Lower Upper

43 100

58 41.7 31.8 47.6





#53

t-1,3-Dichloropropene

Concen: 10.566 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.22 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

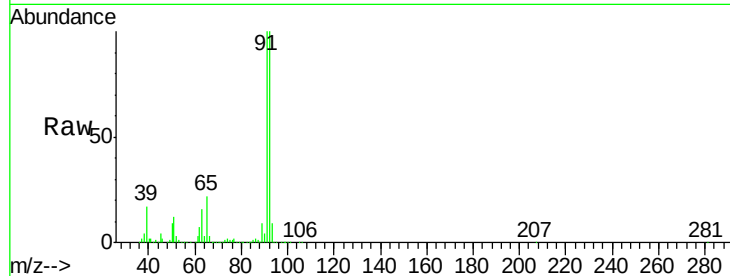
MW-1A

Tot Ion: 75 Resp: 200724

Ion Ratio Lower Upper

75 100

77 163.6 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

200000

150000

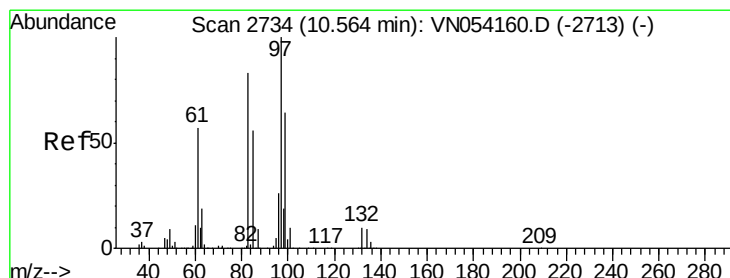
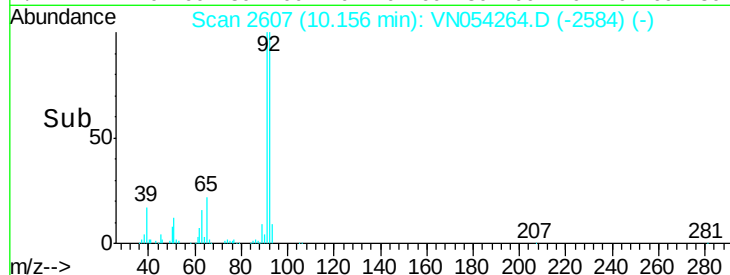
100000

50000

0

10.10 10.20

Time-->



#55

1,1,2-Trichloroethane

Concen: 9.015 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.15 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Tgt Ion: 97 Resp: 121887

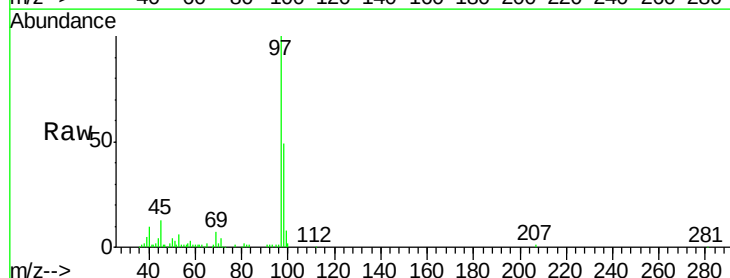
Ion Ratio Lower Upper

97 100

83 0.6 66.6 100.0#

85 0.0 44.4 66.6#

99 7.6 50.8 76.2#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

100000

80000

60000

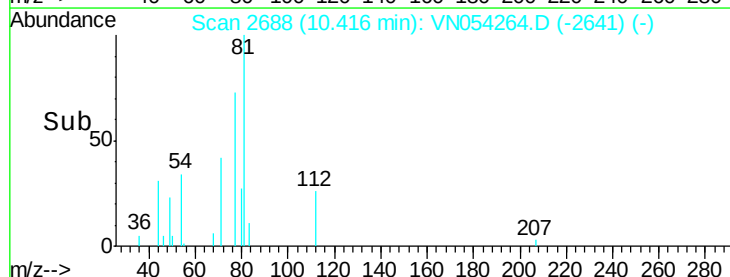
40000

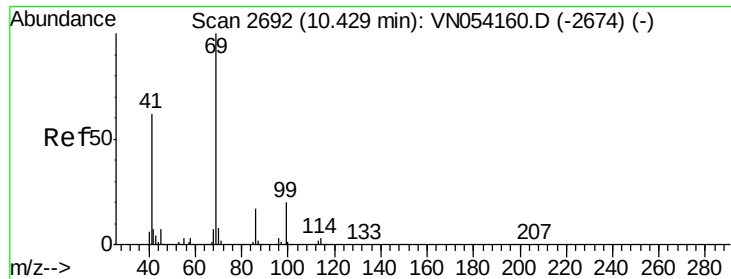
20000

0

10.35 10.40 10.45

Time-->





#56

Ethyl methacrylate

Concen: 0.549 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.01 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

MW-1A

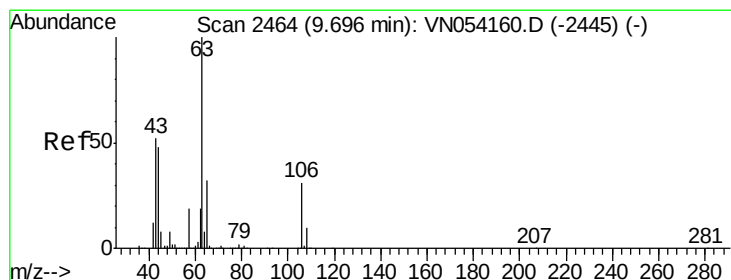
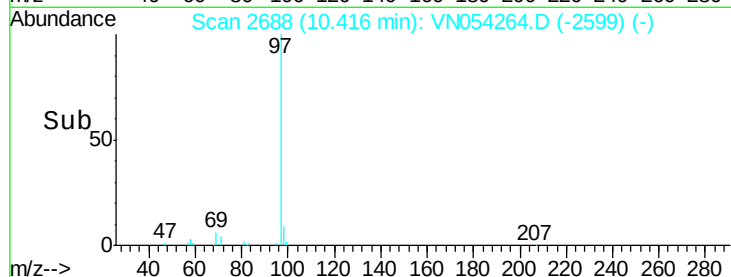
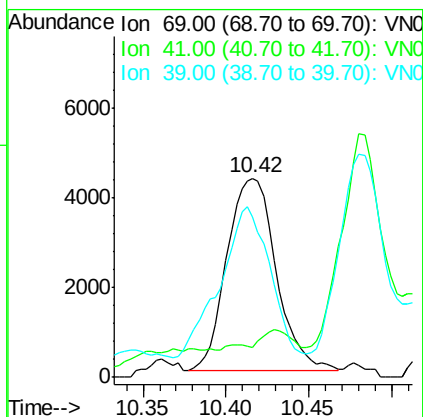
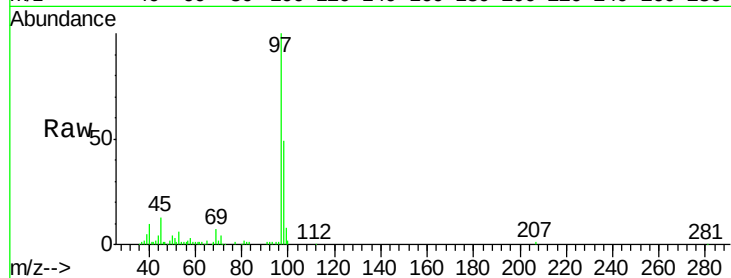
Tot Ion: 69 Resp: 8844

Ion Ratio Lower Upper

69 100

41 0.0 49.4 74.2#

39 0.0 28.3 42.5#



#58

2-Chloroethyl Vinyl ether

Concen: 16.840 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.01 min

Lab File: VN054264.D

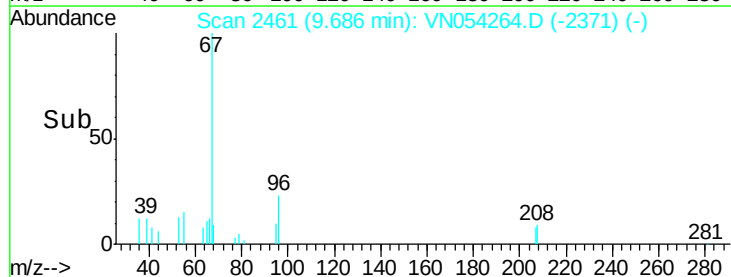
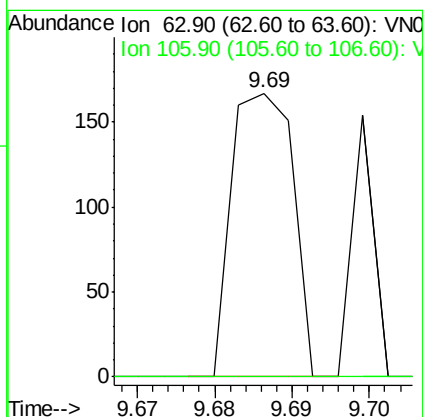
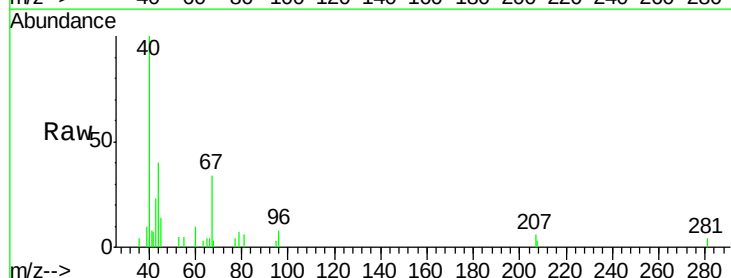
Acq: 14 Mar 2019 16:14

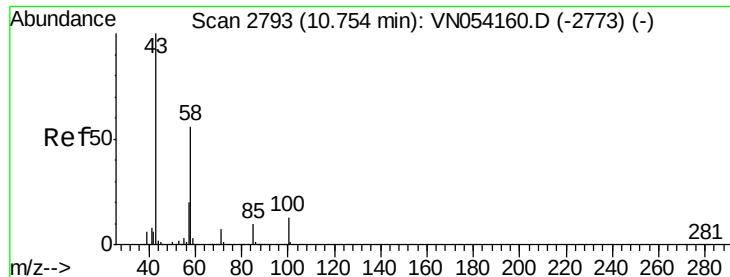
Tgt Ion: 63 Resp: 92

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#

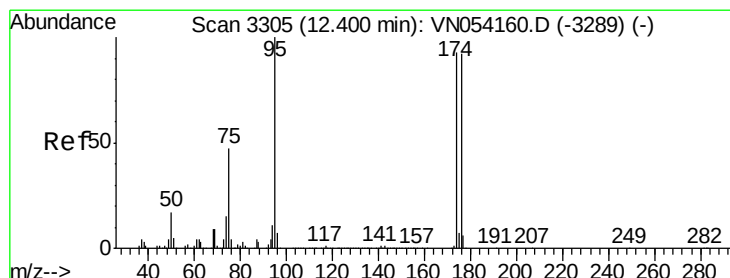
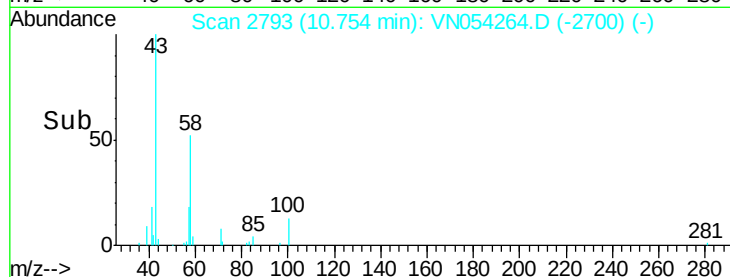
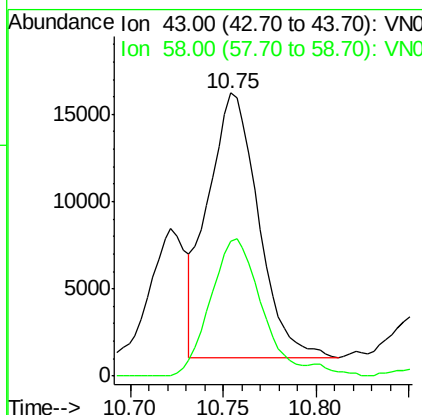
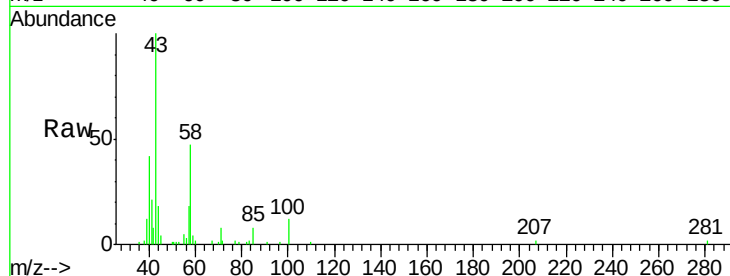




#59
2-Hexanone
Concen: 3.963 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

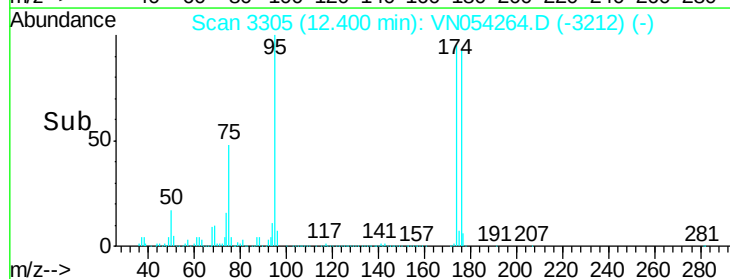
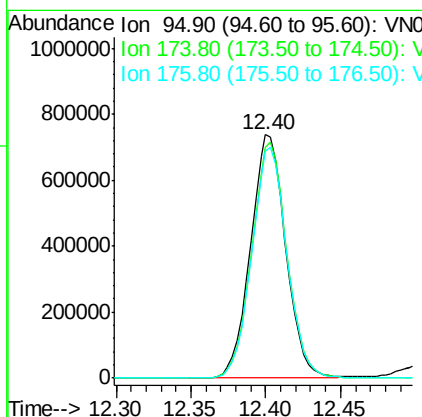
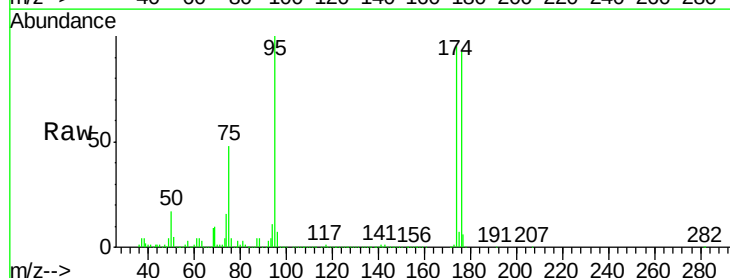
Instrument :
MSVOA_N
ClientSampled :
MW-1A

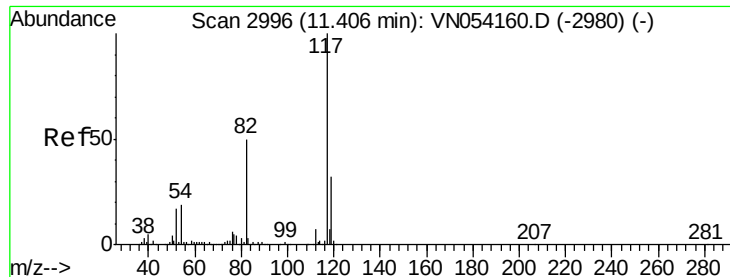
Tot Ion: 43 Resp: 28723
Ion Ratio Lower Upper
43 100
58 51.7 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 65.225 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

Tgt Ion: 95 Resp: 1204636
Ion Ratio Lower Upper
95 100
174 97.1 0.0 191.0
176 94.9 0.0 187.4

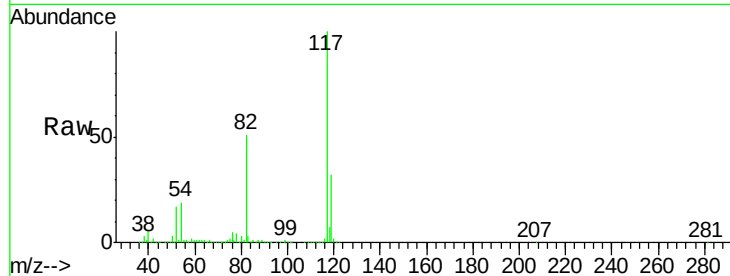




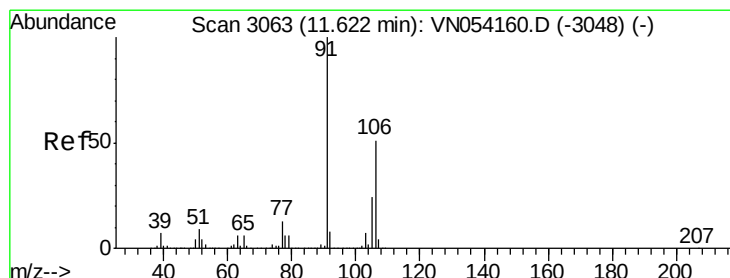
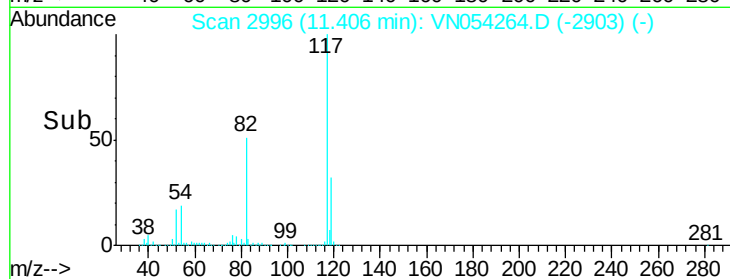
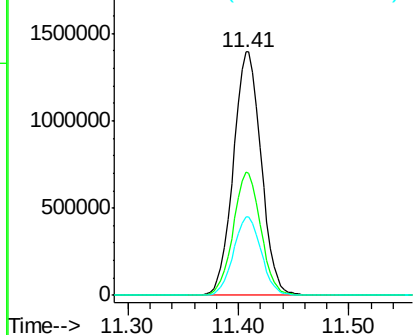
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
MW-1A

Tot Ion:117 Resp: 2441287
Ion Ratio Lower Upper
117 100
82 50.5 40.0 60.0
119 32.3 25.8 38.6

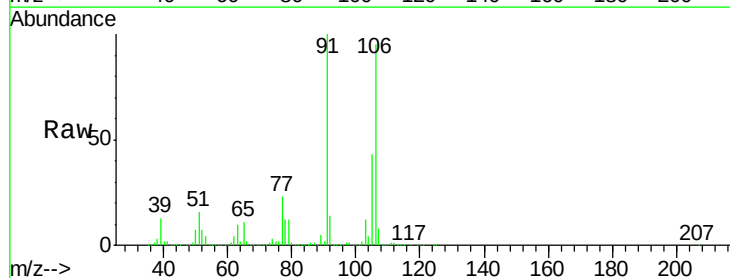


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

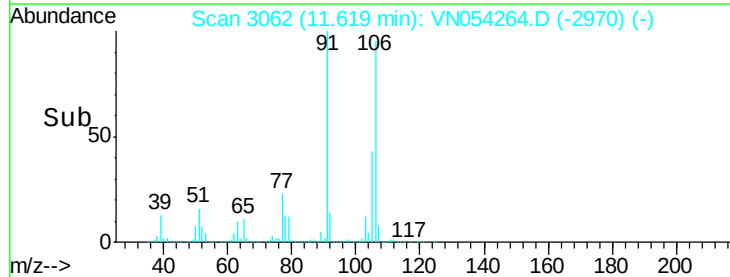
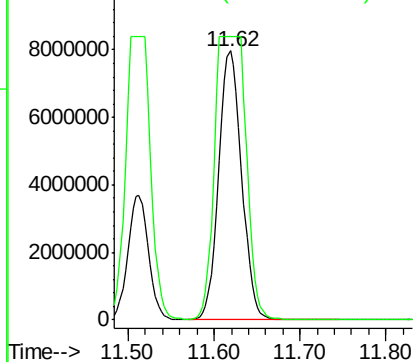


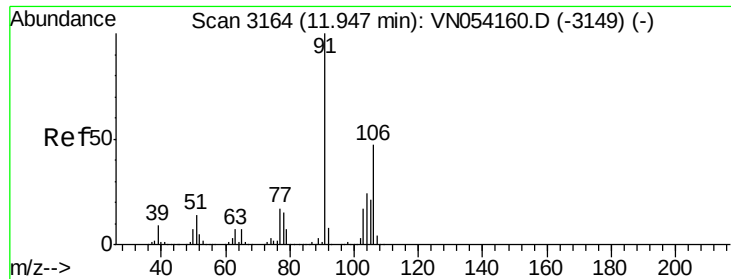
#68
m/p-Xylenes
Concen: 425.928 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

Tgt Ion:106 Resp:14792364
Ion Ratio Lower Upper
106 100
91 0.0 159.4 239.2#



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

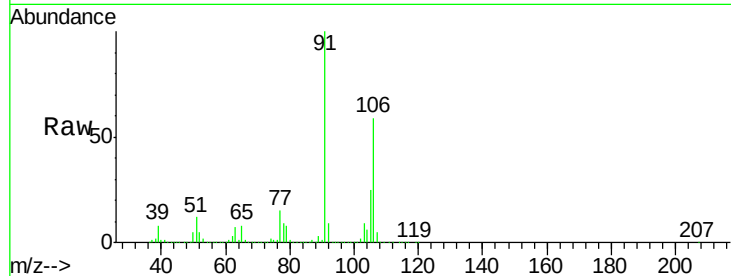




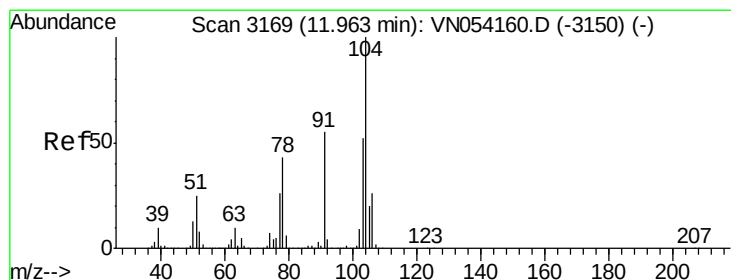
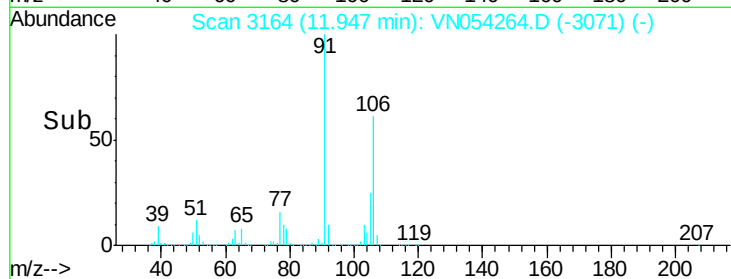
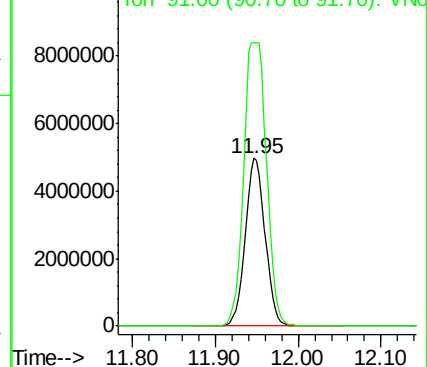
#69
o-Xylene
Concen: 245.450 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
MW-1A

Tot Ion:106 Resp: 8309877
Ion Ratio Lower Upper
106 100
91 194.3 105.7 317.1

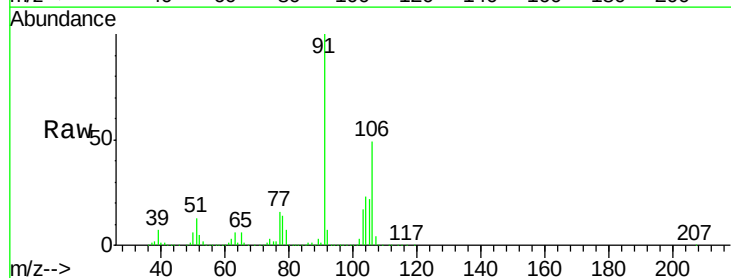


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

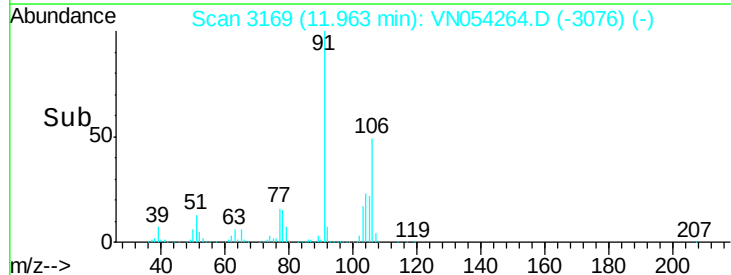
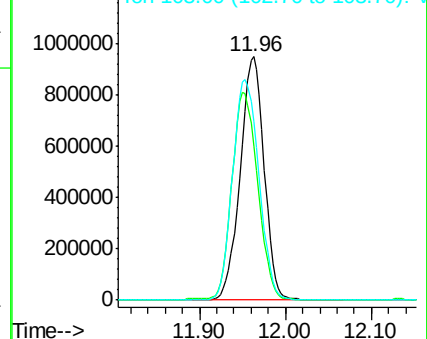


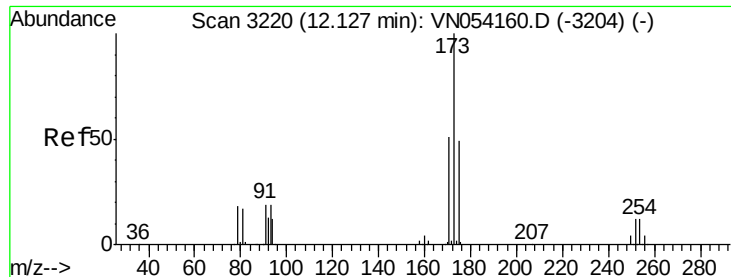
#70
Styrene
Concen: 34.447 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

Tgt Ion:104 Resp: 1829060
Ion Ratio Lower Upper
104 100
78 92.0 38.2 57.2#
103 99.6 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.817 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

MW-1A

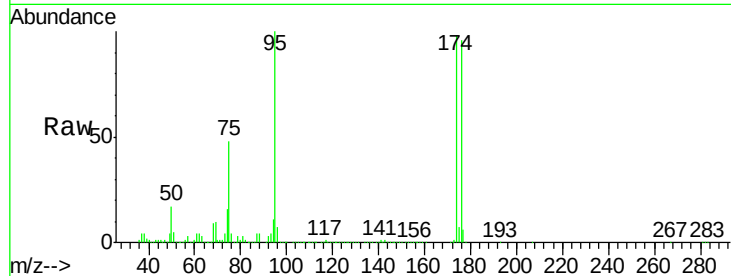
Tot Ion:173 Resp: 7270

Ion Ratio Lower Upper

173 100

175 1023.0 24.4 73.2#

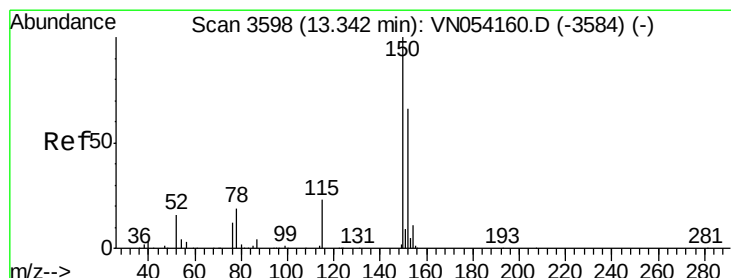
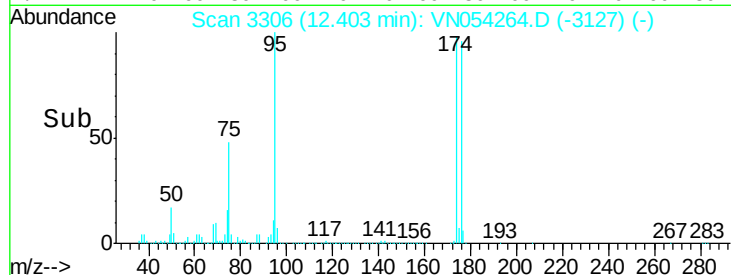
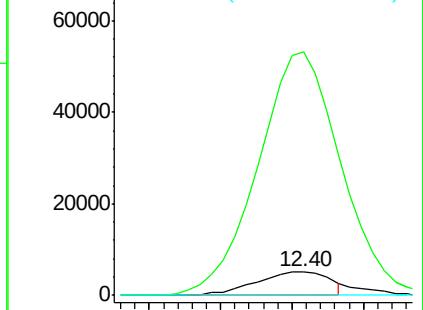
254 0.0 0.1 0.1#



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: VN054264.D

Acq: 14 Mar 2019 16:14

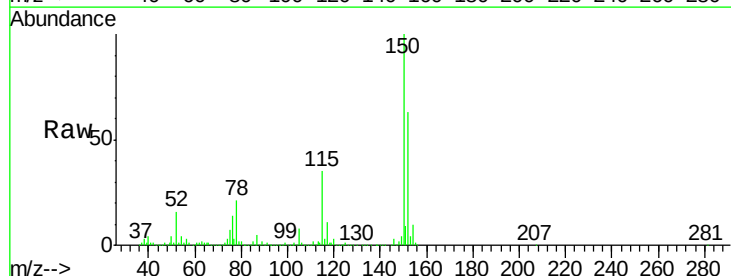
Tgt Ion:152 Resp: 1349842

Ion Ratio Lower Upper

152 100

115 51.8 27.2 81.6

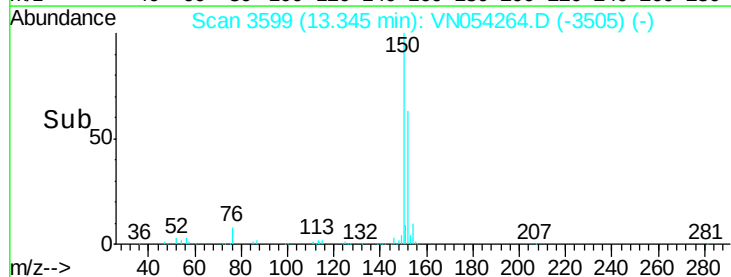
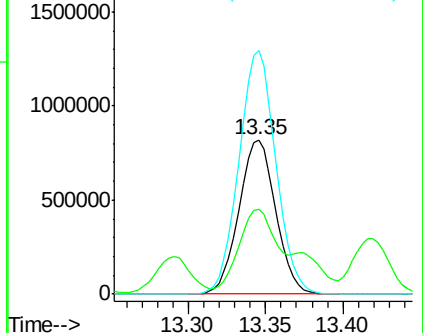
150 159.0 0.0 349.2

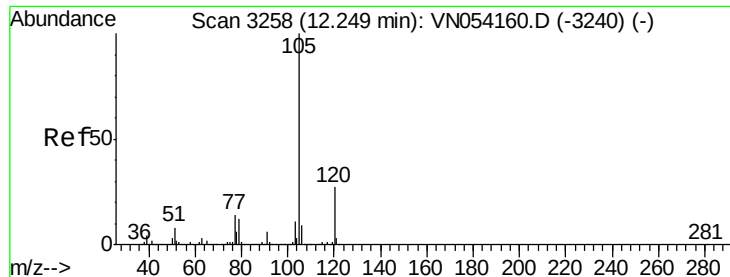


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.980 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

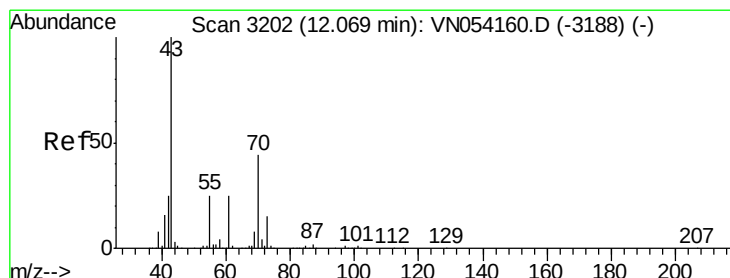
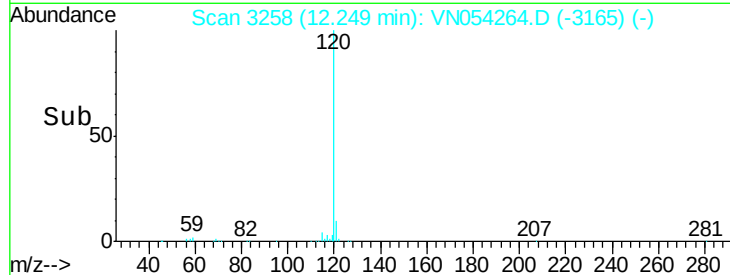
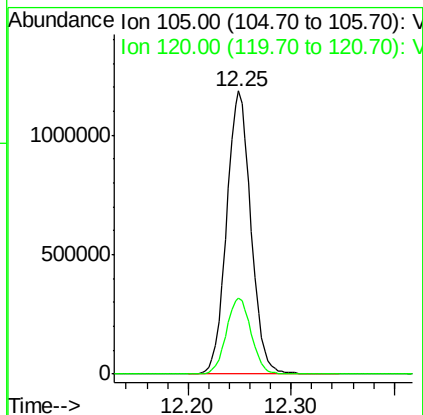
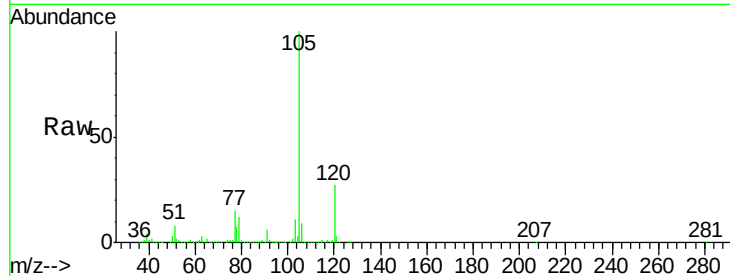
MW-1A

Tot Ion:105 Resp: 1941785

Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3



#74

N-ethyl acetate

Concen: 6.860 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Tgt Ion: 43 Resp: 164441

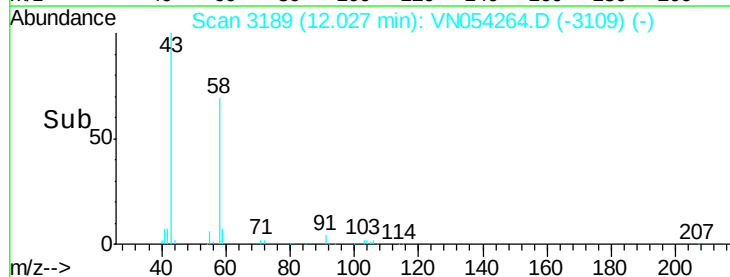
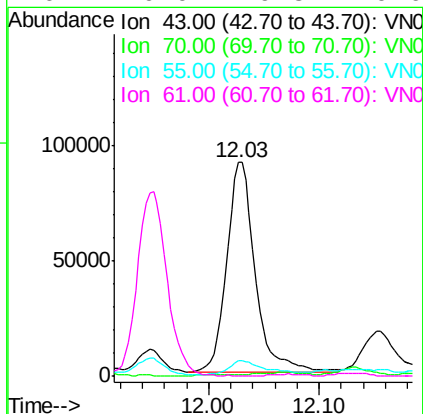
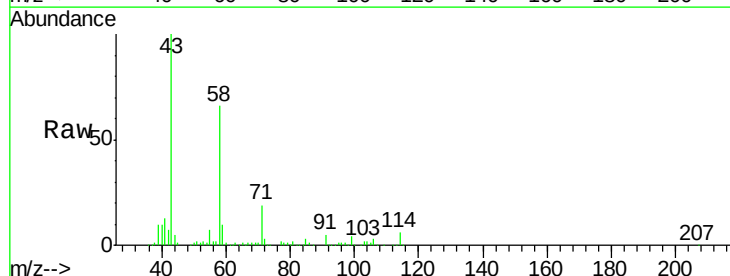
Ion Ratio Lower Upper

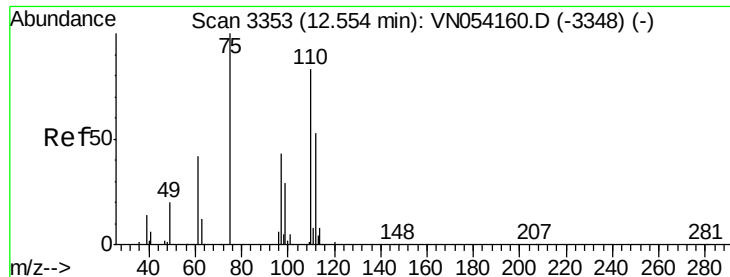
43 100

70 0.0 35.4 53.0#

55 8.2 19.8 29.6#

61 0.0 19.8 29.6#





#76

1,2,3-Trichloropropane

Concen: 3.695 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. 0.10 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

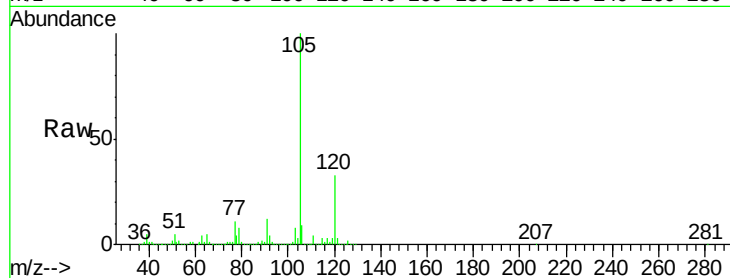
MW-1A

Tot Ion: 75 Resp: 73345

Ion Ratio Lower Upper

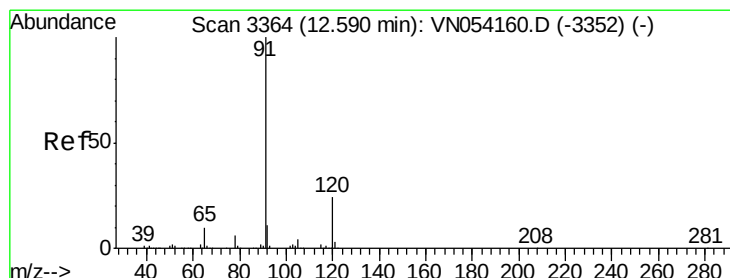
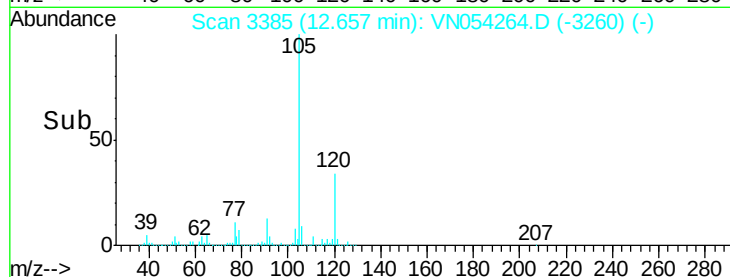
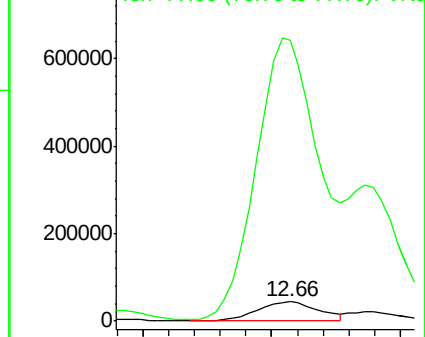
75 100

77 1491.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC



#78

n-propylbenzene

Concen: 8.833 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054264.D

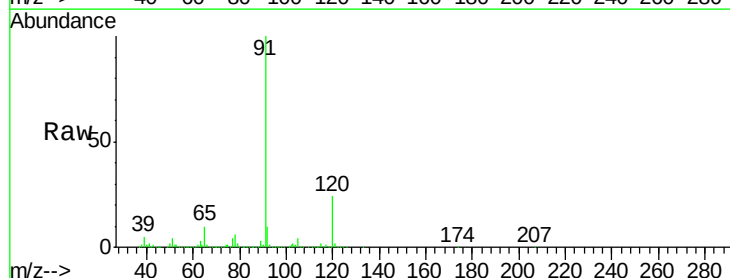
Acq: 14 Mar 2019 16:14

Tgt Ion: 91 Resp: 1035108

Ion Ratio Lower Upper

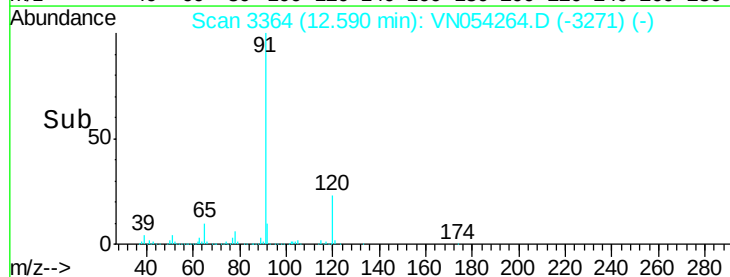
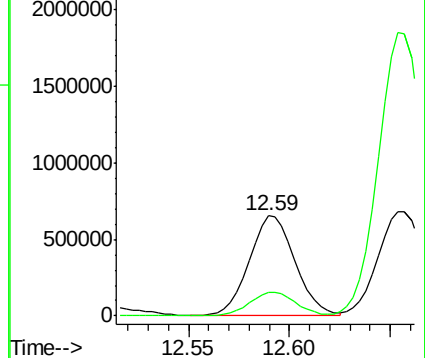
91 100

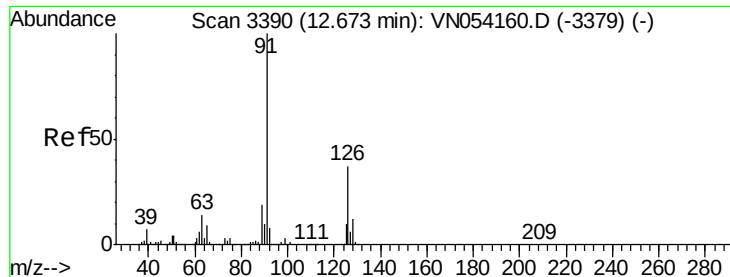
120 24.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VNC

Ion 120.00 (119.70 to 120.70): VNC





#79

2-Chlorotoluene

Concen: 15.484 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

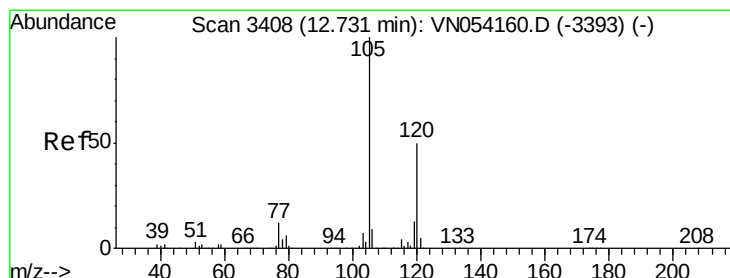
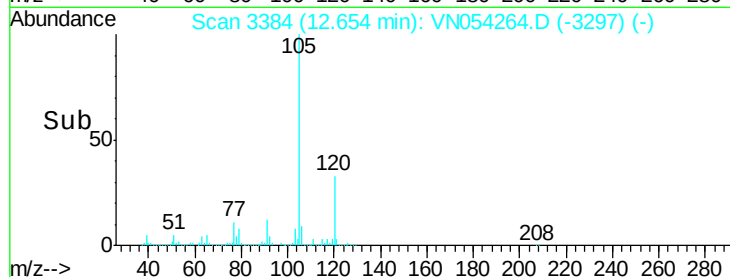
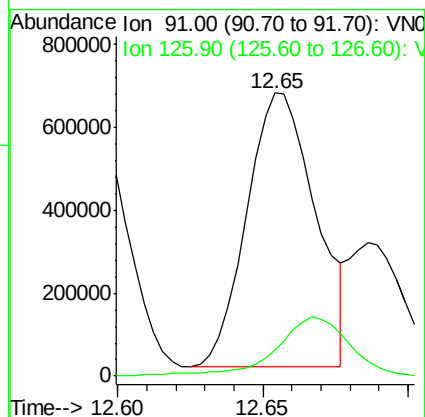
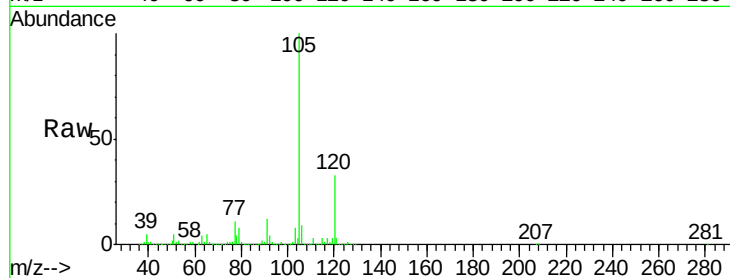
MW-1A

Tot Ion: 91 Resp: 1091004

Ion Ratio Lower Upper

91 100

126 23.2 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 49.940 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054264.D

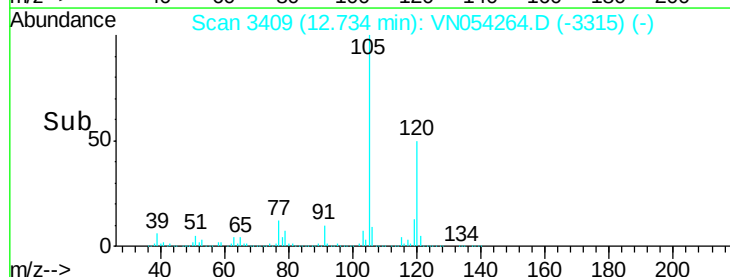
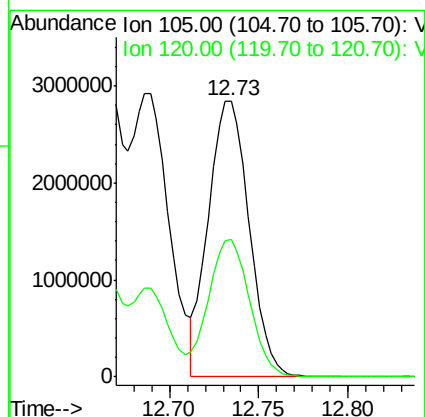
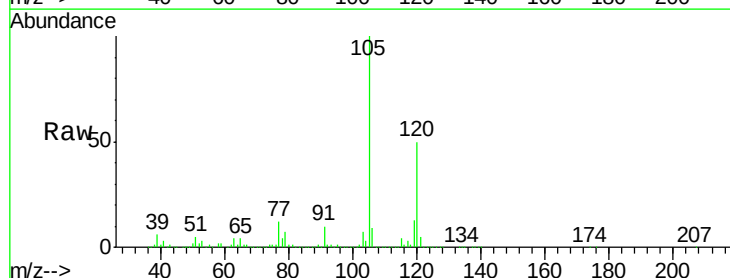
Acq: 14 Mar 2019 16:14

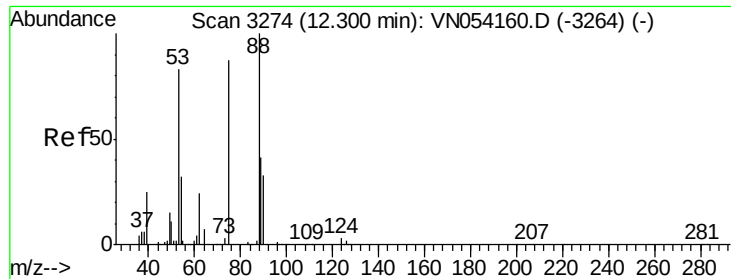
Tgt Ion: 105 Resp: 4486124

Ion Ratio Lower Upper

105 100

120 50.9 25.0 75.0

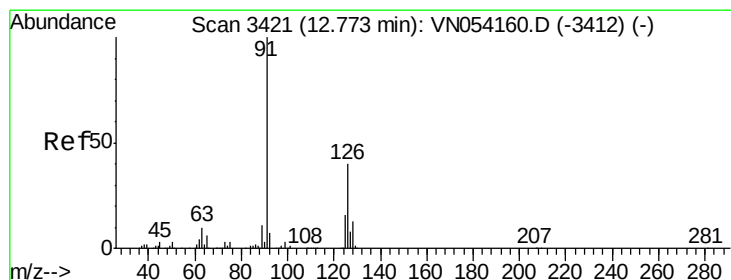
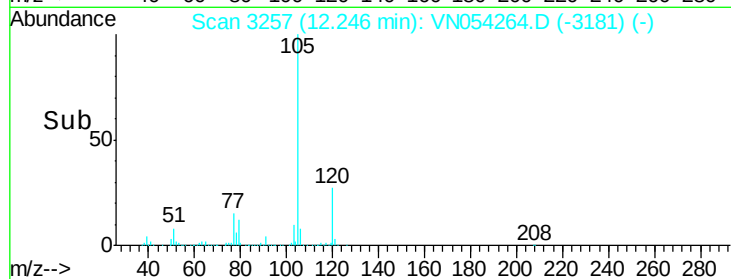
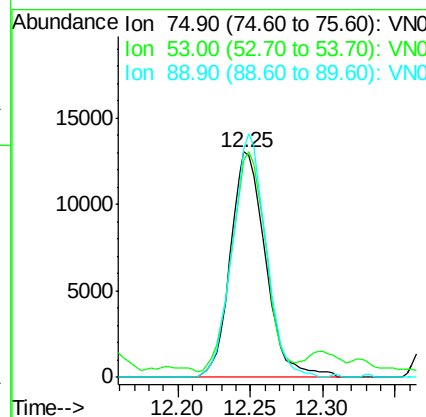
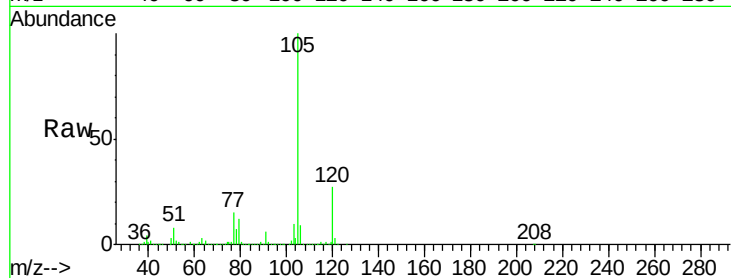




#81
trans-1,4-Dichloro-2-butene
Concen: 3.784 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.05 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

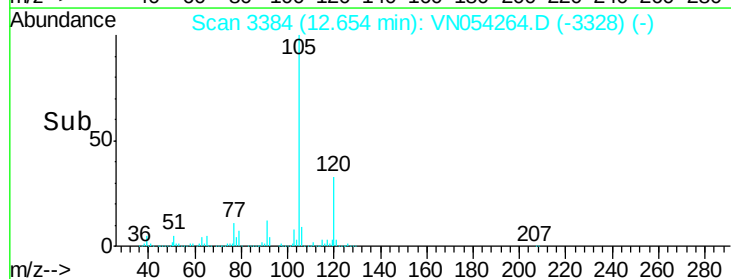
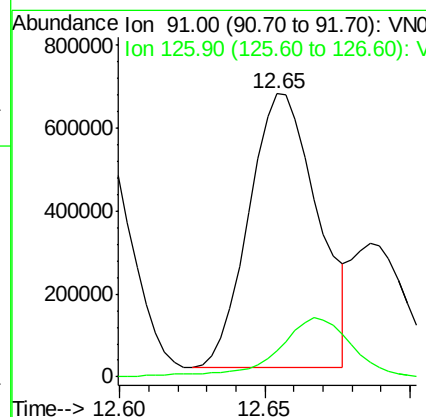
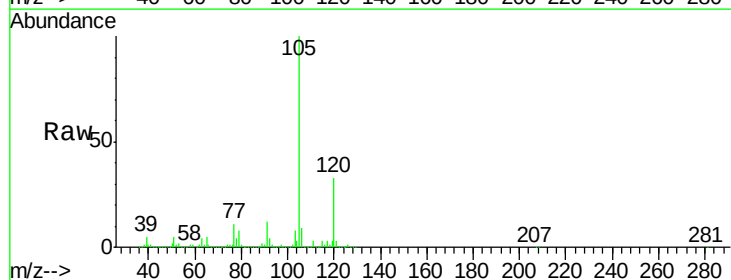
Instrument :
MSVOA_N
ClientSampleId :
MW-1A

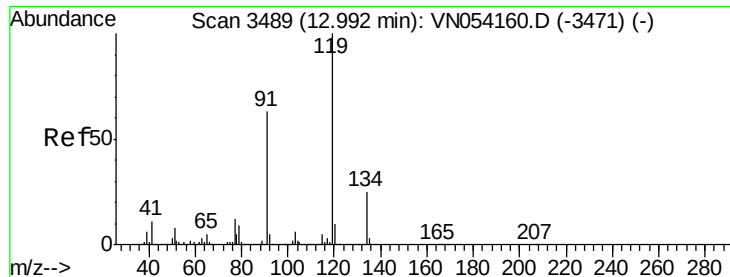
Tot Ion: 75 Resp: 21971
Ion Ratio Lower Upper
75 100
53 93.7 76.2 114.2
89 103.6 39.2 58.8#



#82
4-Chlorotoluene
Concen: 15.507 ug/l
RT: 12.65 min Scan# 3384
Delta R.T. -0.12 min
Lab File: VN054264.D
Acq: 14 Mar 2019 16:14

Tgt Ion: 91 Resp: 1091004
Ion Ratio Lower Upper
91 100
126 23.2 18.1 54.1





#83

tert-Butylbenzene

Concen: 25.519 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

MW-1A

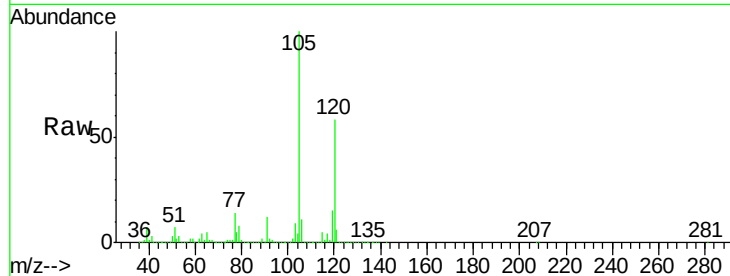
Tot Ion:119 Resp: 2110006

Ion Ratio Lower Upper

119 100

91 83.3 30.9 92.8

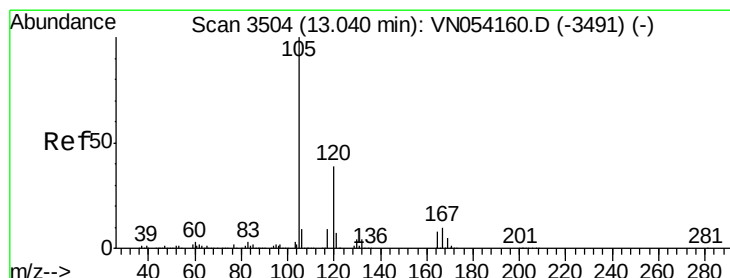
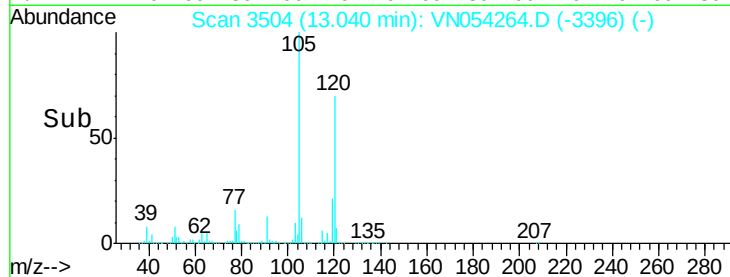
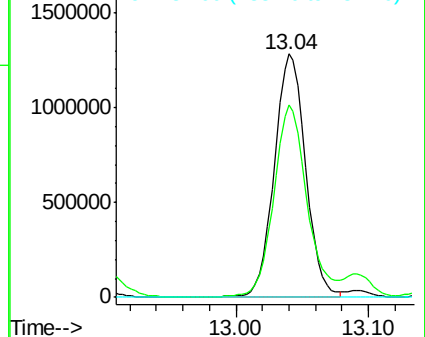
134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 176.151 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN054264.D

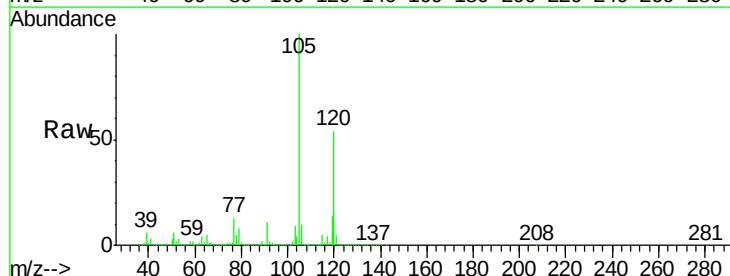
Acq: 14 Mar 2019 16:14

Tgt Ion:105 Resp:15523713

Ion Ratio Lower Upper

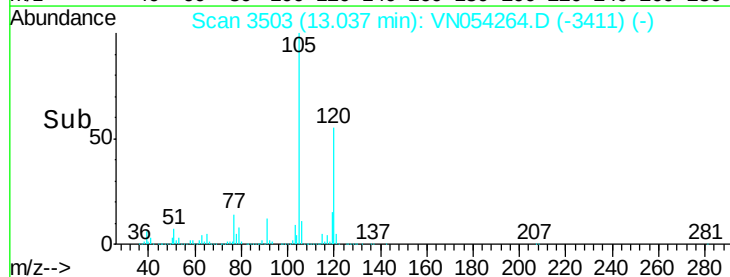
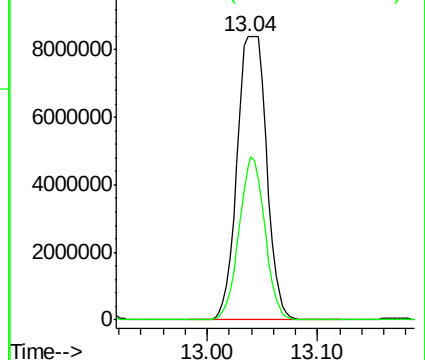
105 100

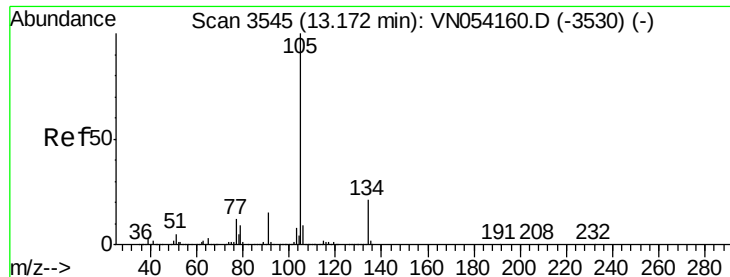
120 50.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 144.773 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.13 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

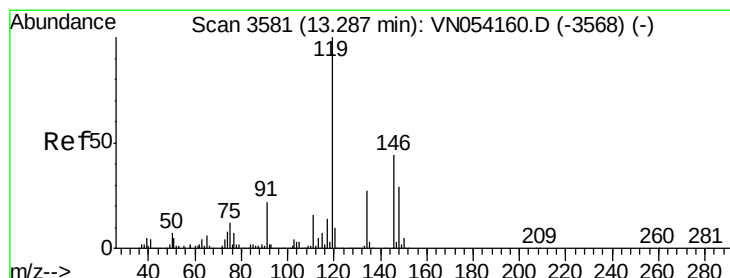
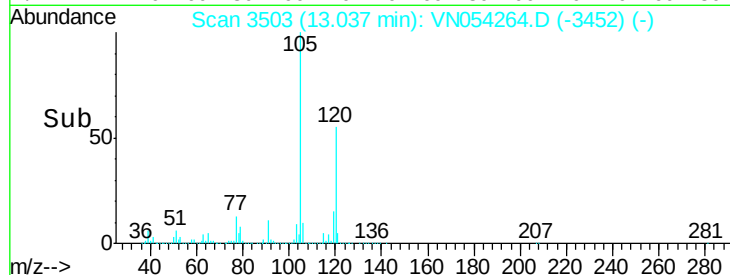
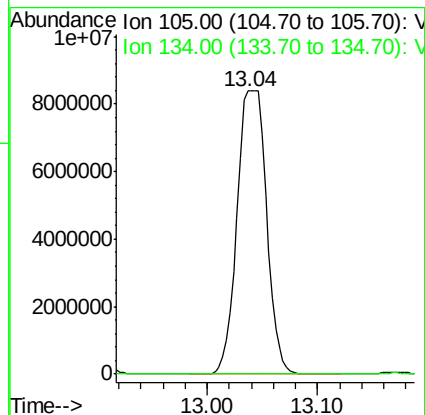
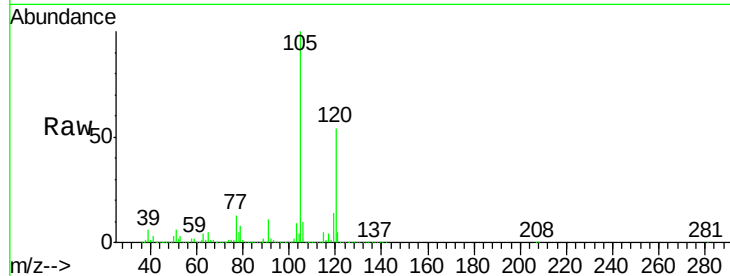
MW-1A

Tot Ion:105 Resp:15523713

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



#86

p-Isopropyltoluene

Concen: 44.785 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

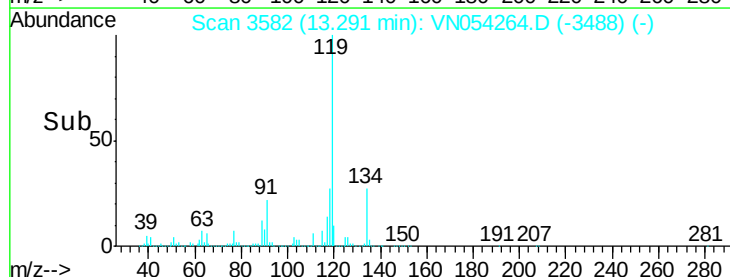
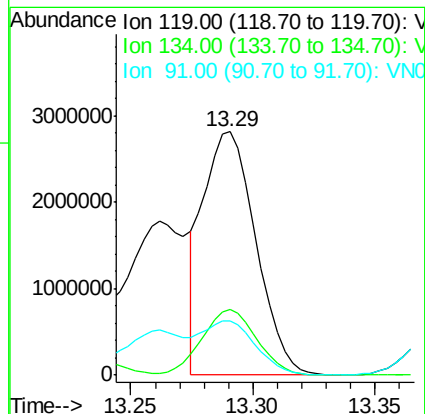
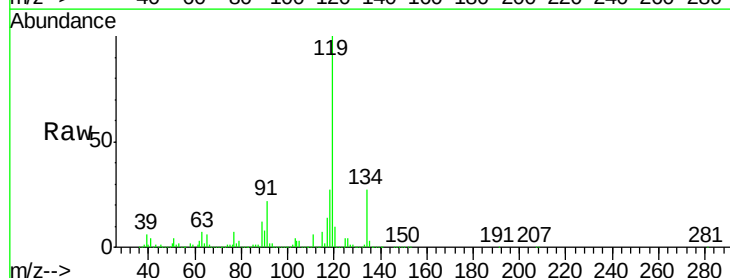
Tgt Ion:119 Resp: 4213013

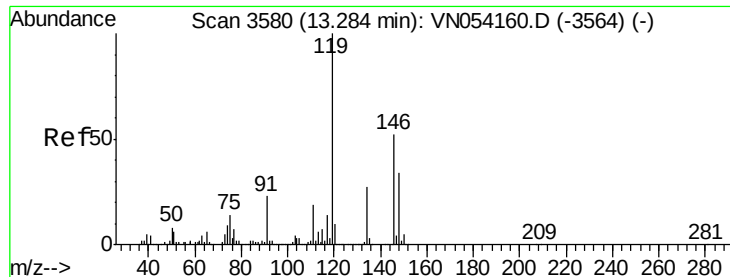
Ion Ratio Lower Upper

119 100

134 28.4 13.6 40.8

91 22.6 11.1 33.3

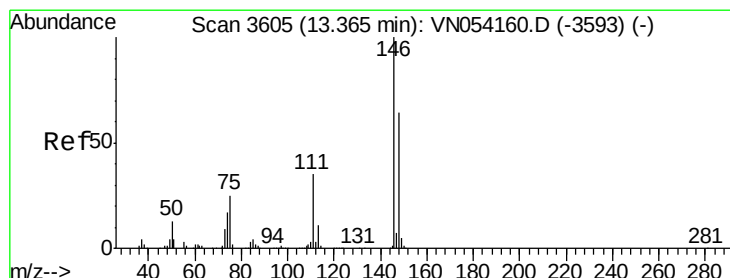
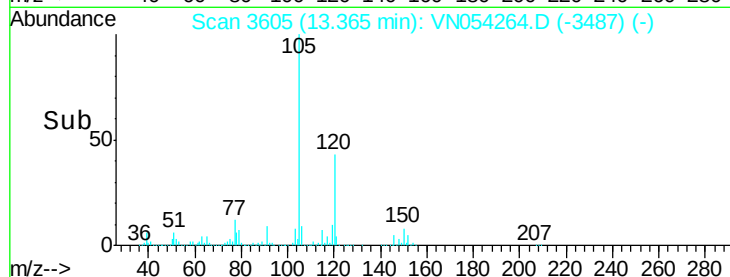
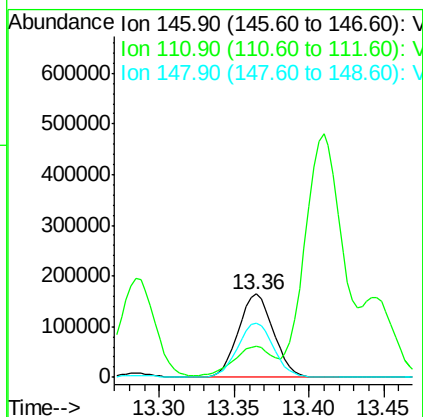
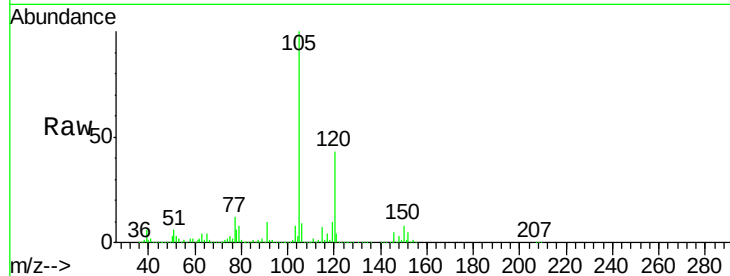




#87
 1,3-Dichlorobenzene
 Concen: 5.614 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.08 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

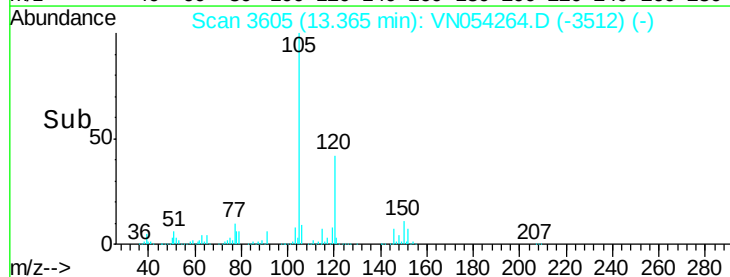
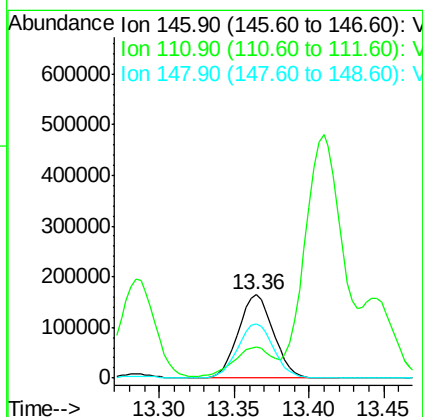
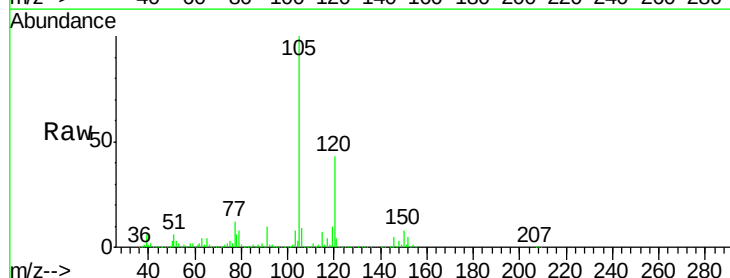
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1A

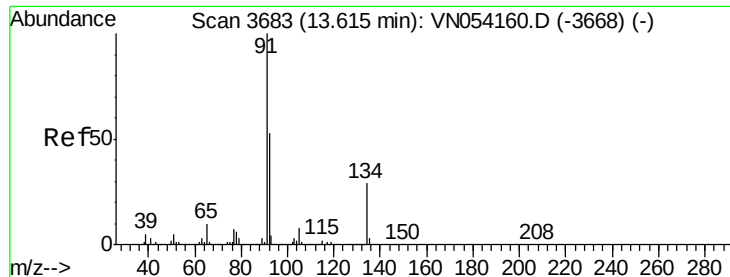
Tot Ion:146 Resp: 270317
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.8 56.3
 148 66.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 5.714 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

Tgt Ion:146 Resp: 270317
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.1
 148 66.5 32.0 96.0





#89

n-Butylbenzene

Concen: 167.223 ug/l

RT: 13.54 min Scan# 3661

Delta R.T. -0.07 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

MW-1A

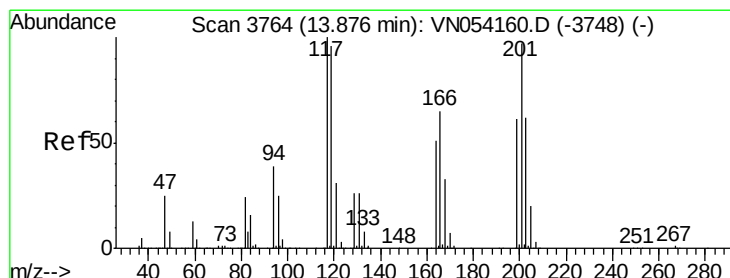
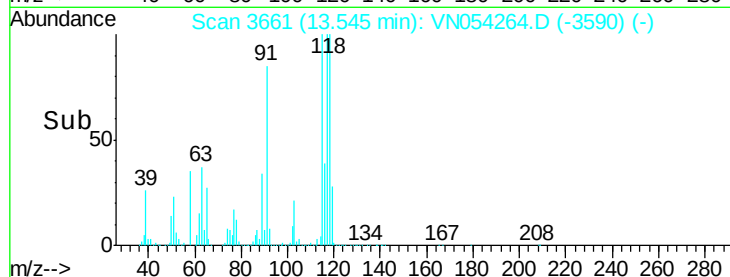
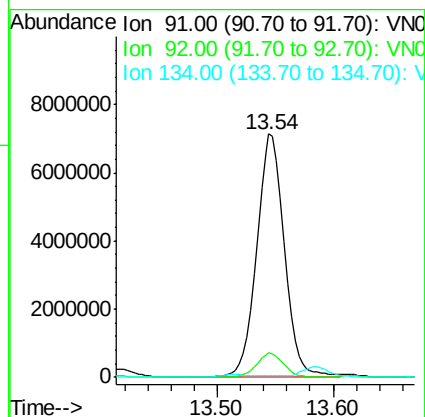
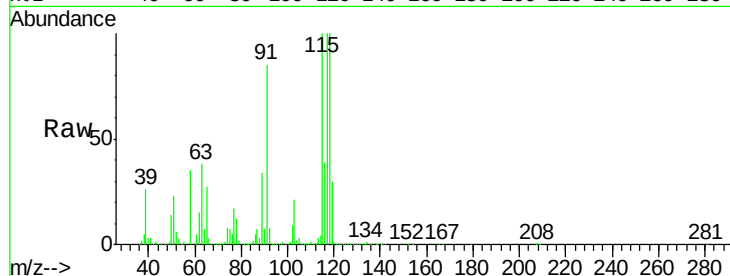
Tot Ion: 91 Resp: 11952541

Ion Ratio Lower Upper

91 100

92 9.8 26.2 78.6#

134 0.0 14.3 42.9#



#90

Hexachloroethane

Concen: 13.403 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054264.D

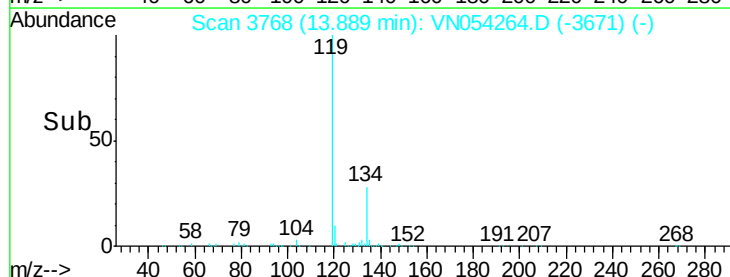
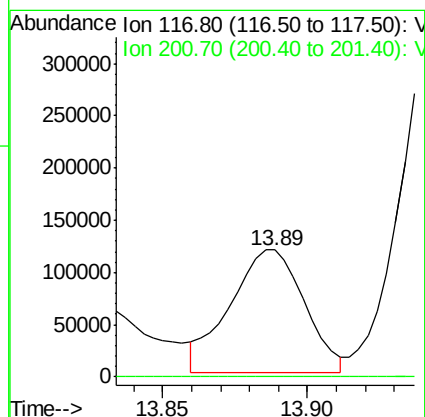
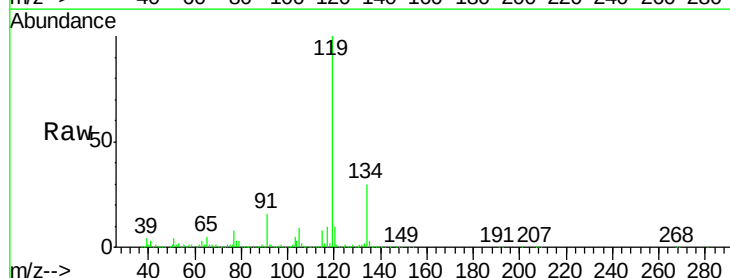
Acq: 14 Mar 2019 16:14

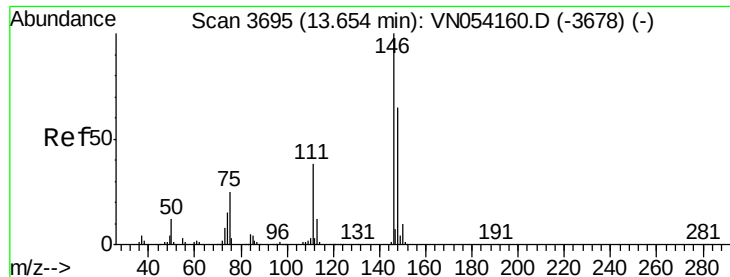
Tgt Ion: 117 Resp: 208778

Ion Ratio Lower Upper

117 100

201 0.2 48.1 144.4#

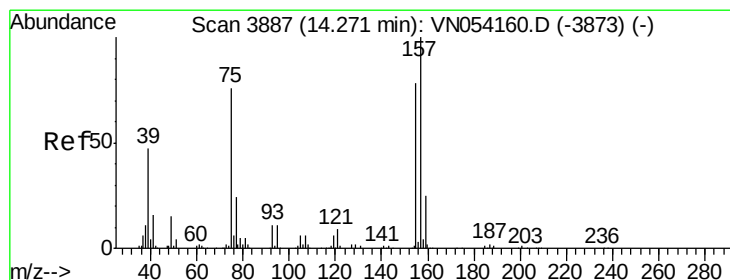
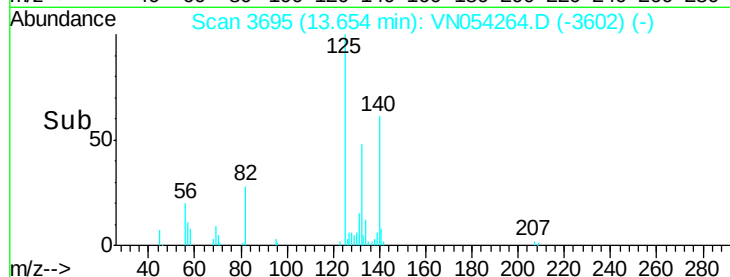
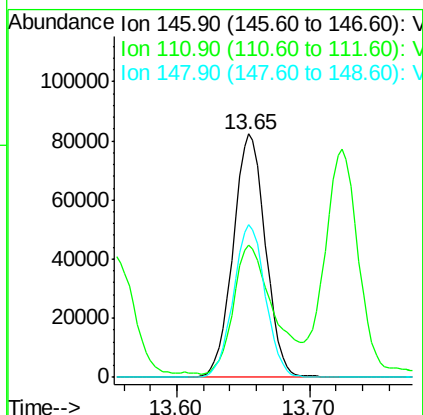
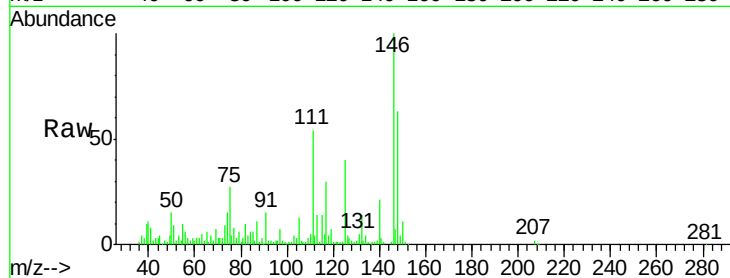




#91
 1,2-Dichlorobenzene
 Concen: 2.954 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

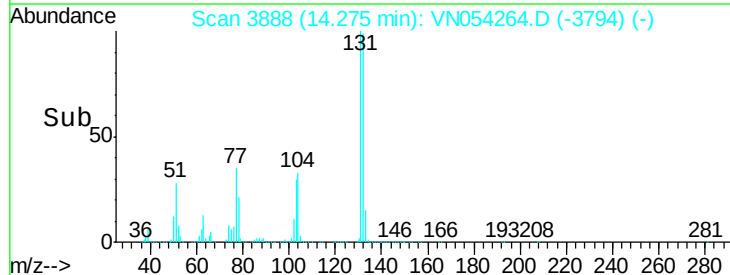
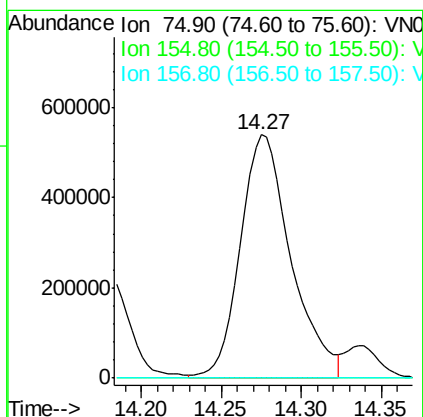
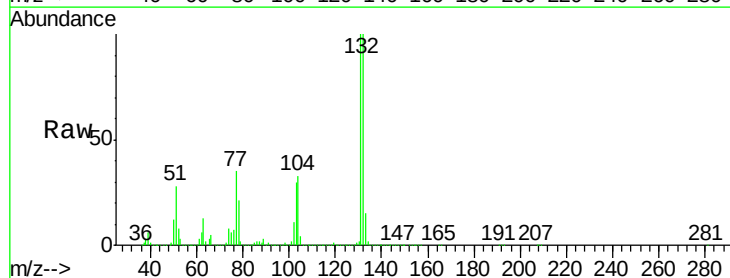
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1A

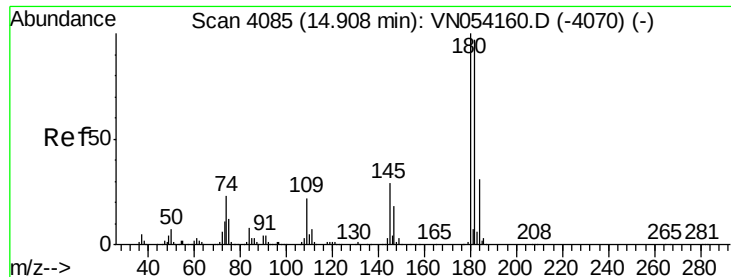
Tot Ion:146 Resp: 139081
 Ion Ratio Lower Upper
 146 100
 111 65.1 19.1 57.3#
 148 62.1 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 327.203 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

Tgt Ion: 75 Resp: 1165009
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.1 150.3#
 157 0.0 63.1 189.3#





#93

1,2,4-Trichlorobenzene

Concen: 3.320 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

MW-1A

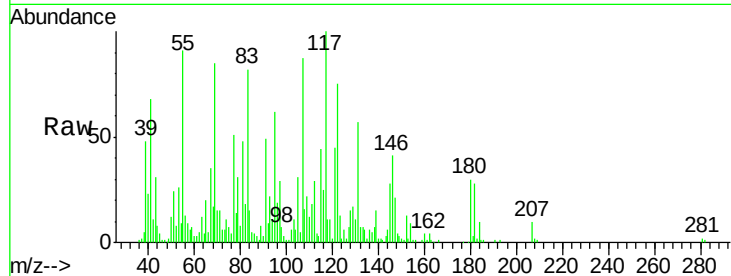
Tot Ion:180 Resp: 24057

Ion Ratio Lower Upper

180 100

182 92.6 48.0 144.2

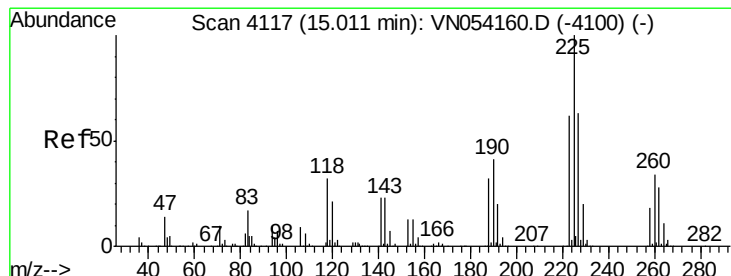
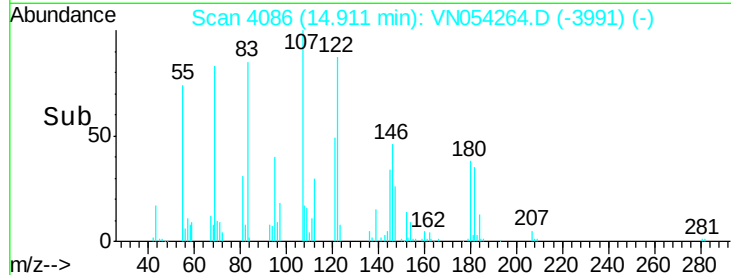
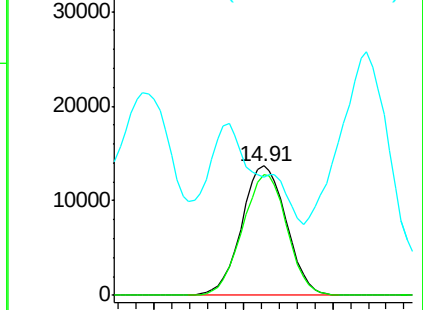
145 0.0 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.220 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN054264.D

Acq: 14 Mar 2019 16:14

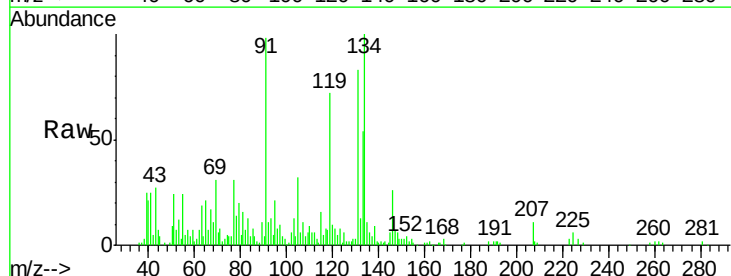
Tgt Ion:225 Resp: 3952

Ion Ratio Lower Upper

225 100

223 68.9 31.1 93.5

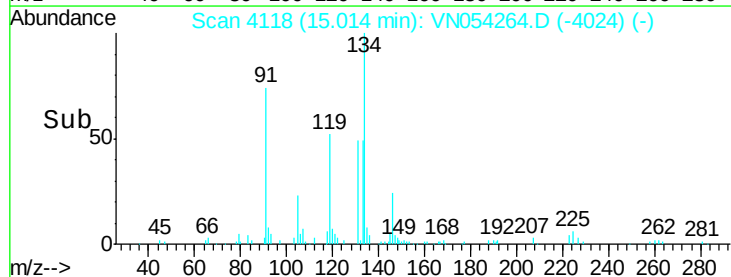
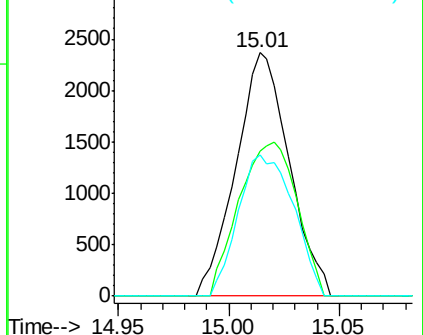
227 60.3 31.9 95.9

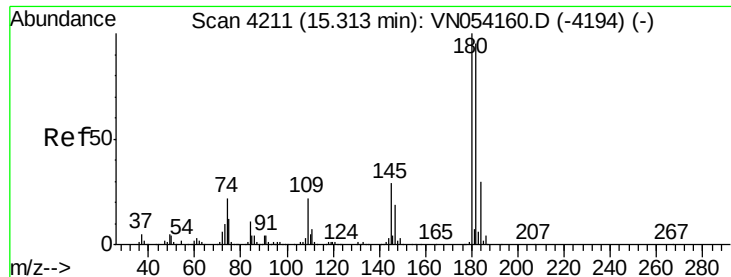


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

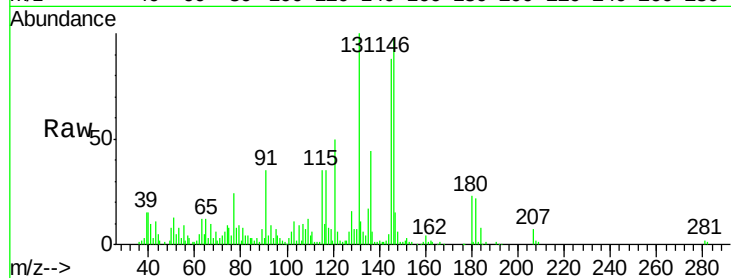




#96
 1,2,3-Trichlorobenzene
 Concen: 0.942 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN054264.D
 Acq: 14 Mar 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	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

