

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054170.D
 Acq On : 12 Mar 2019 18:15
 Operator : JC/SP
 Sample : K1837-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MR-MH-05-COMP

Quant Time: Mar 13 07:27:16 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	1566951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2507906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2483334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	989585	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	792443	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	7.59	113	768110	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
50) Toluene-d8	10.09	98	3065621	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.40	95	1101993	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	953	1.537	ug/l #	43
11) Tert butyl alcohol	4.82	59	483	0.423	ug/l #	1
13) Acrolein	3.61	56	586	0.542	ug/l	88
16) Acetone	3.82	43	41149	8.636	ug/l	93
17) Carbon Disulfide	4.04	76	13754	0.337	ug/l #	94
18) Methyl Acetate	4.34	43	4120	0.427	ug/l	91
20) Methylene Chloride	4.55	84	23189	1.482	ug/l	91
25) 2-Butanone	6.85	43	7993	1.429	ug/l	90
29) Tetrahydrofuran	7.23	42	3744	1.041	ug/l #	51
31) Cyclohexane	7.66	56	26146	Below Cal	#	4
36) 1,1-Dichloropropene	7.66	75	87952	3.808	ug/l #	49
38) Carbon Tetrachloride	7.66	117	126309	5.215	ug/l #	16
43) Isopropyl Acetate	8.17	43	49686	2.133	ug/l	98
48) Methyl methacrylate	9.18	41	15909	1.346	ug/l #	23
49) 1,4-Dioxane	9.21	88	397	2.374	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	17610	1.429	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1910	2.058	ug/l #	1
54) cis-1,3-Dichloropropene	9.91	75	132804	5.127	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.69	63	621	16.901	ug/l #	77
59) 2-Hexanone	10.77	43	281403	34.308	ug/l #	52
68) m/p-Xylenes	11.62	106	7076	0.200	ug/l	91
71) Bromoform	12.12	173	526	2.384	ug/l #	28
74) N-ethyl acetate	12.08	43	7725	0.440	ug/l #	94
76) 1,2,3-Trichloropropane	12.40	75	530128	36.429	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	530128	124.531	ug/l #	11
82) 4-Chlorotoluene	12.77	91	11062	0.214	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	10450	0.296	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	10450	0.301	ug/l	98
89) n-Butylbenzene	13.61	91	17984	0.343	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	8297	0.240	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	15608	3.228	ug/l	94
94) Hexachlorobutadiene	15.01	225	6888	0.524	ug/l	94
95) Naphthalene	15.13	128	45333	4.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	15155	0.826	ug/l	95

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Response via : Initial Calibration

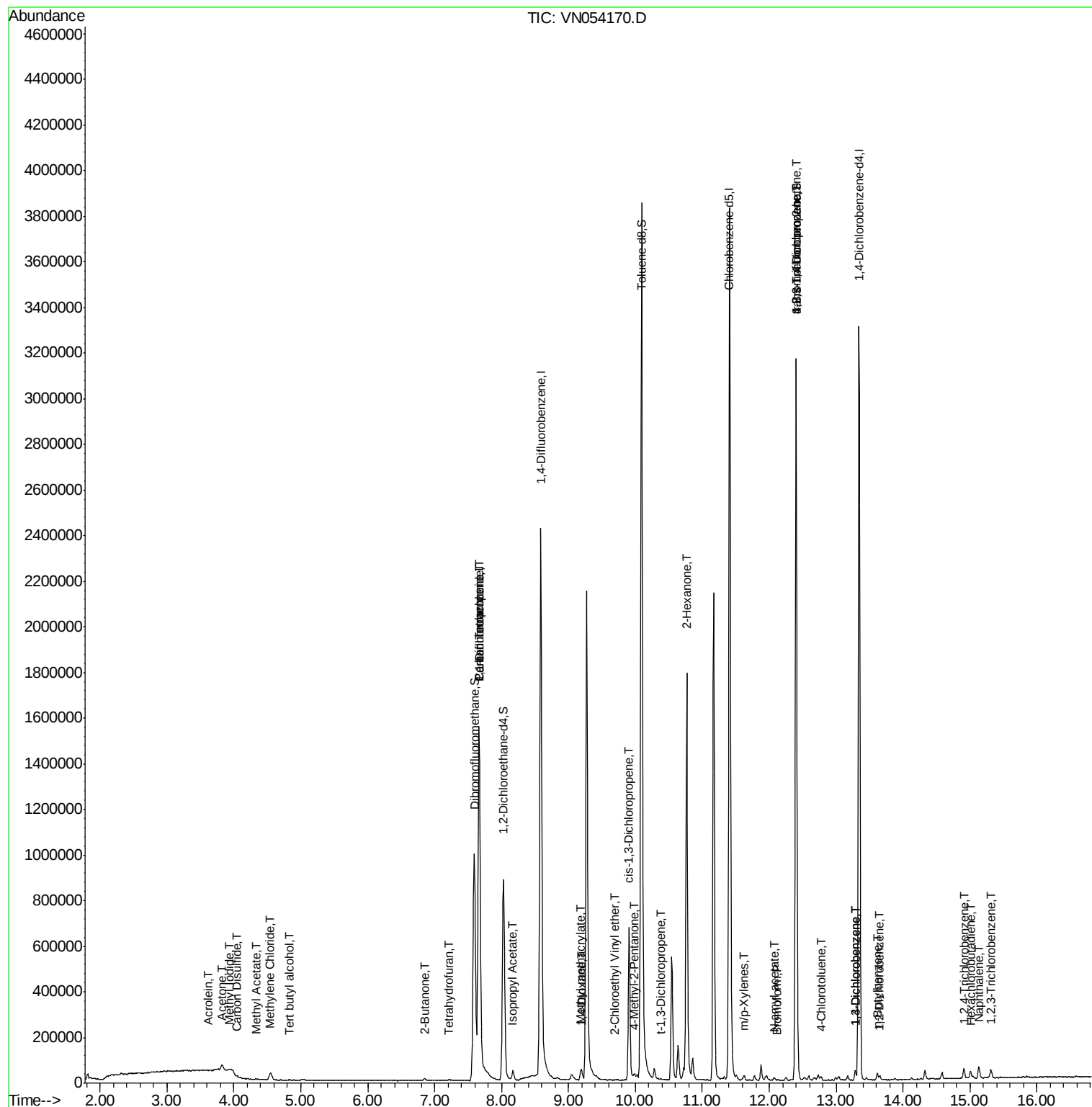
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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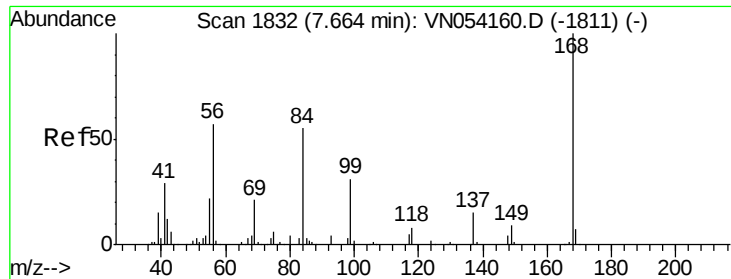
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031219\
Data File : VN054170.D
Acq On : 12 Mar 2019 18:15
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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: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

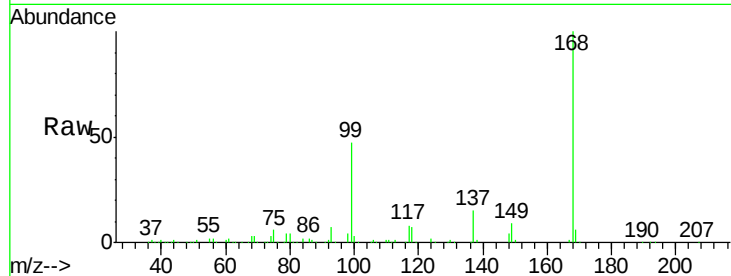
MR-MH-05-COMP

Tot Ion:168 Resp: 1566951

Ion Ratio Lower Upper

168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

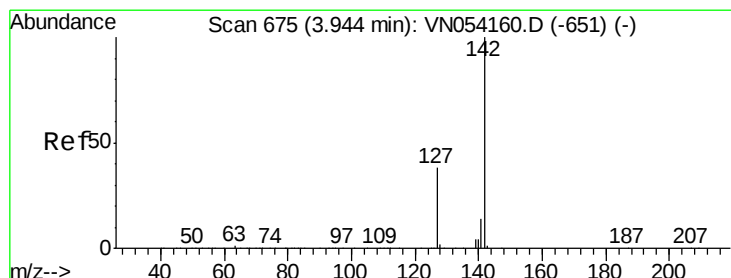
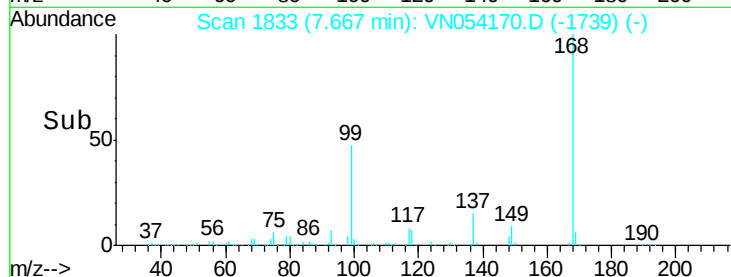
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.537 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

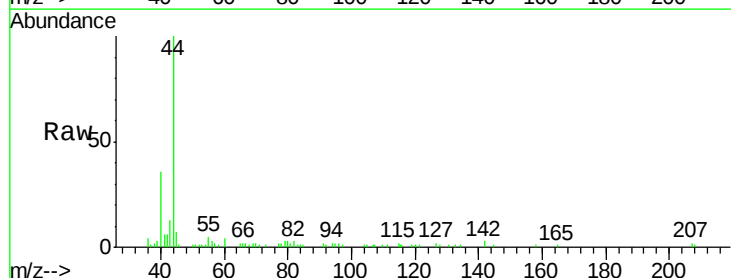
Tgt Ion:142 Resp: 953

Ion Ratio Lower Upper

142 100

127 83.5 30.3 45.5#

141 16.7 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

3.94

1000

800

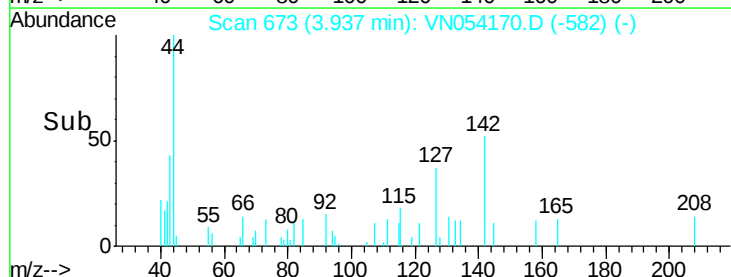
600

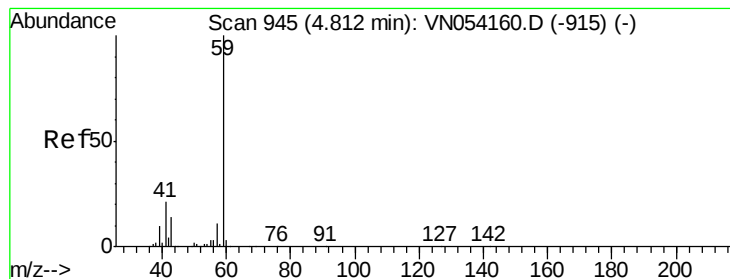
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 0.423 ug/l

RT: 4.82 min Scan# 949

Delta R.T. 0.01 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

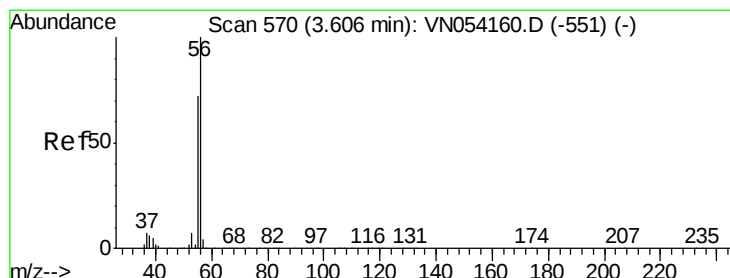
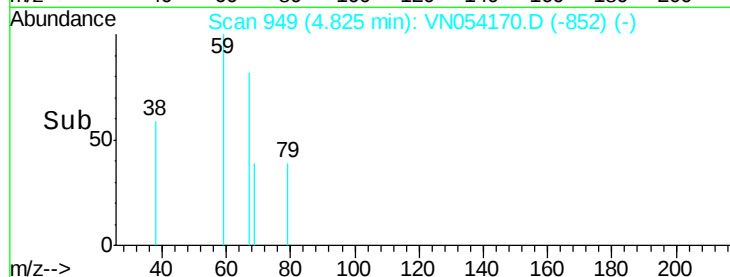
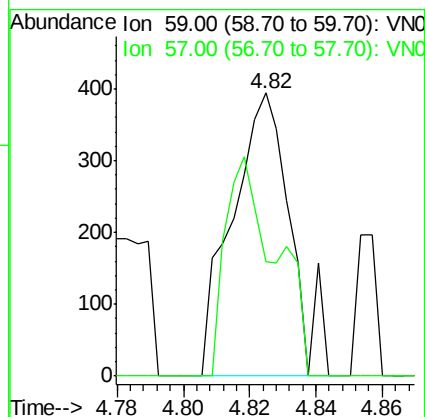
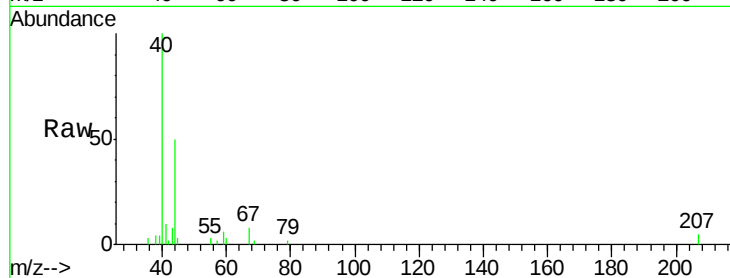
MR-MH-05-COMP

Tot Ion: 59 Resp: 483

Ion Ratio Lower Upper

59 100

57 66.0 9.0 13.6#



#13

Acrolein

Concen: 0.542 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054170.D

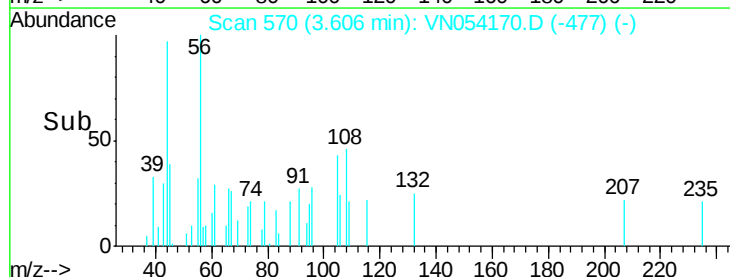
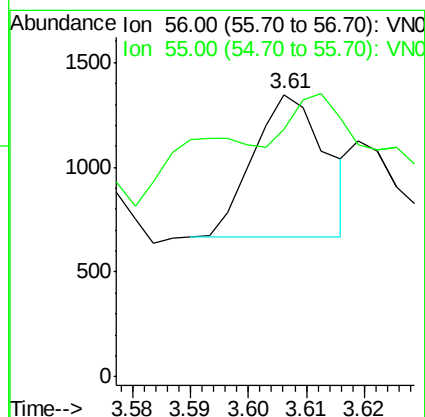
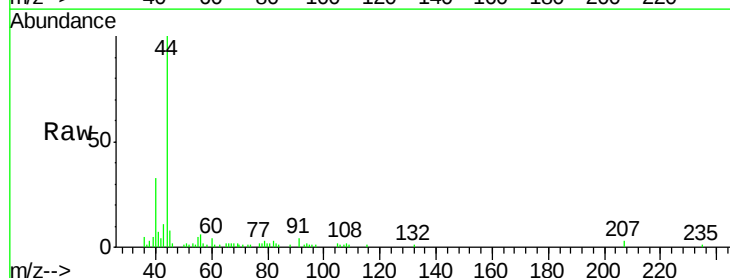
Acq: 12 Mar 2019 18:15

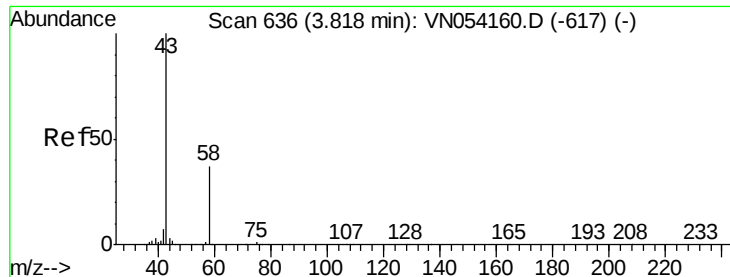
Tgt Ion: 56 Resp: 586

Ion Ratio Lower Upper

56 100

55 80.5 56.7 85.1





#16

Acetone

Concen: 8.636 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

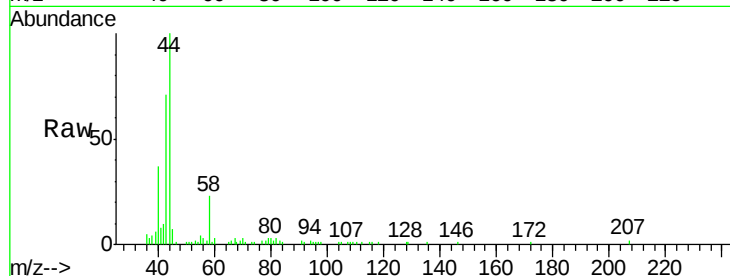
MR-MH-05-COMP

Tot Ion: 43 Resp: 41149

Ion Ratio Lower Upper

43 100

58 33.3 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

15000

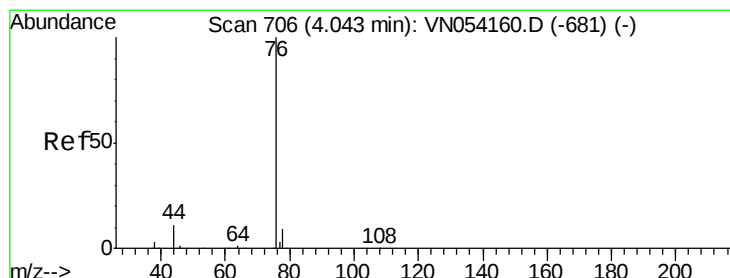
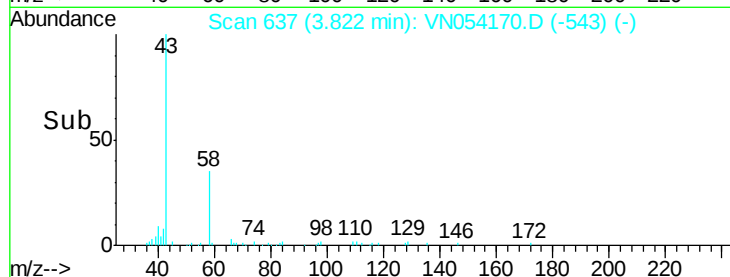
10000

5000

0

Time-->

3.75 3.80 3.85 3.90



#17

Carbon Disulfide

Concen: 0.337 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054170.D

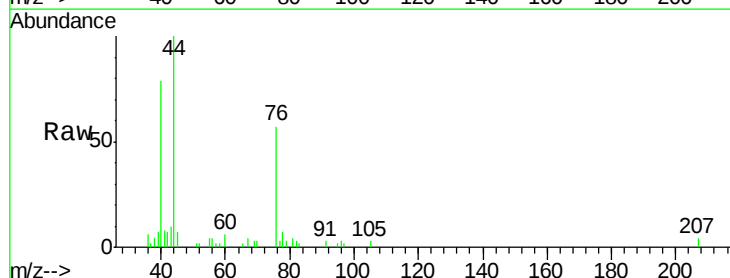
Acq: 12 Mar 2019 18:15

Tgt Ion: 76 Resp: 13754

Ion Ratio Lower Upper

76 100

78 11.6 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

6000

5000

4000

3000

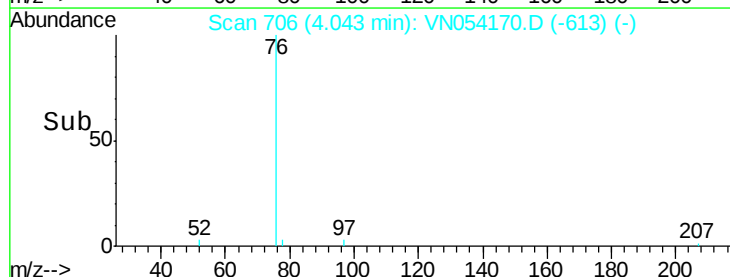
2000

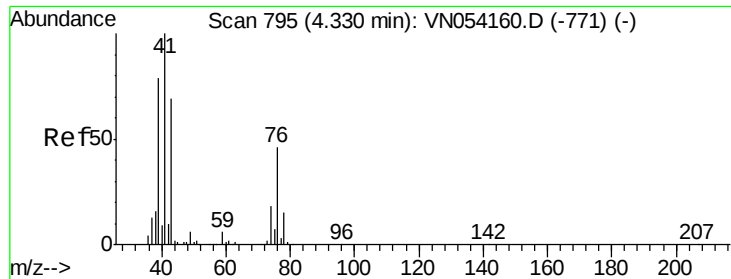
1000

0

Time-->

3.95 4.00 4.05 4.10 4.15

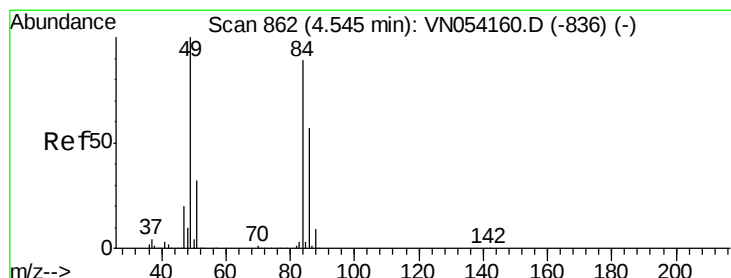
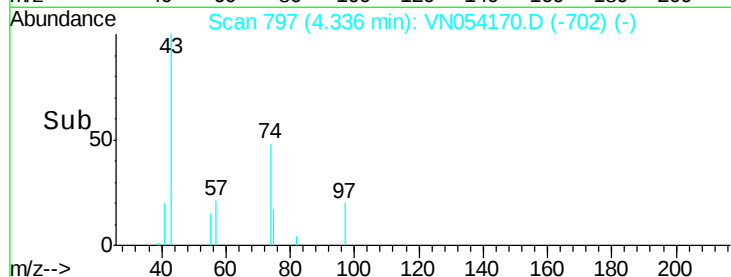
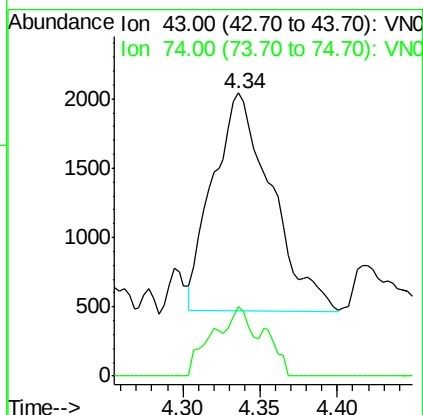
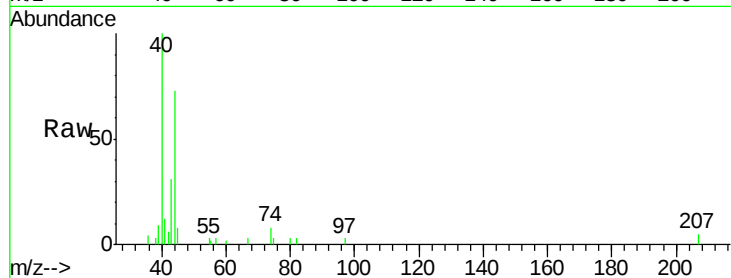




#18
Methyl Acetate
Concen: 0.427 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054170.D
Acq: 12 Mar 2019 18:15

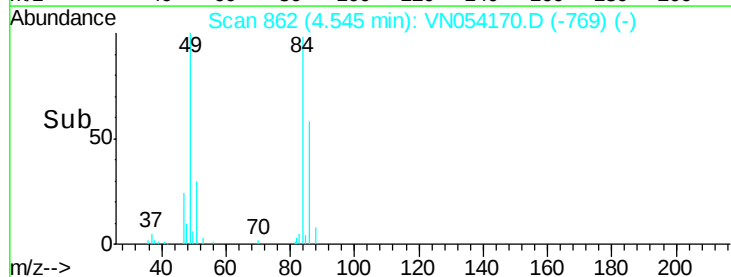
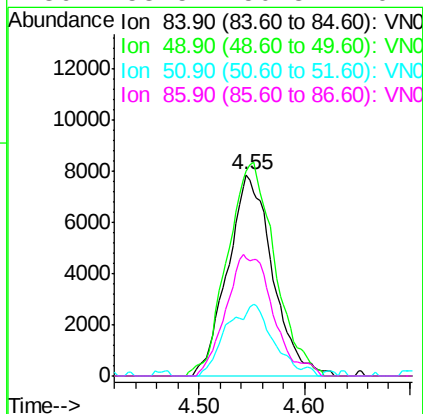
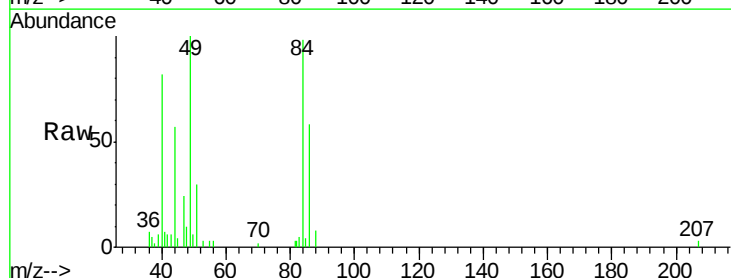
Instrument :
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MR-MH-05-COMP

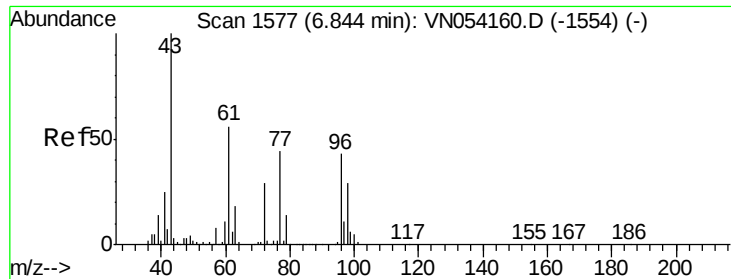
Tot Ion: 43 Resp: 4120
Ion Ratio Lower Upper
43 100
74 21.2 20.8 31.2



#20
Methylene Chloride
Concen: 1.482 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054170.D
Acq: 12 Mar 2019 18:15

Tgt Ion: 84 Resp: 23189
Ion Ratio Lower Upper
84 100
49 101.6 89.7 134.5
51 30.5 28.2 42.4
86 58.5 50.8 76.2





#25

2-Butanone

Concen: 1.429 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

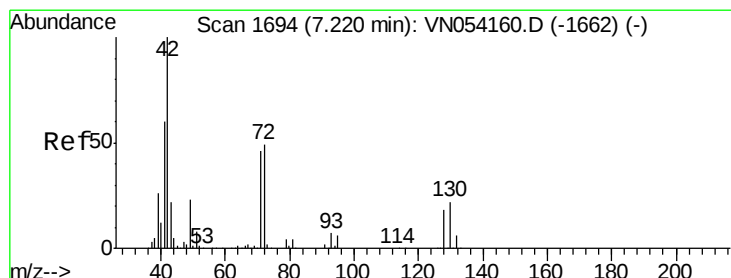
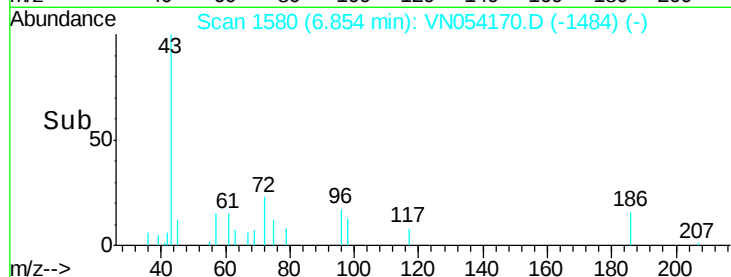
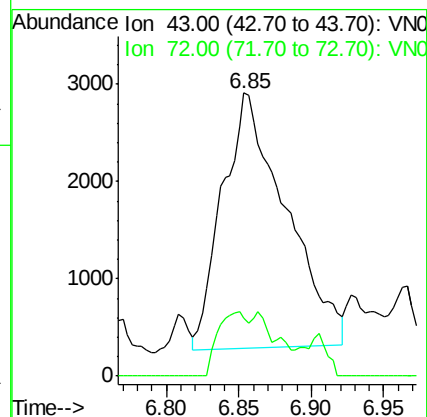
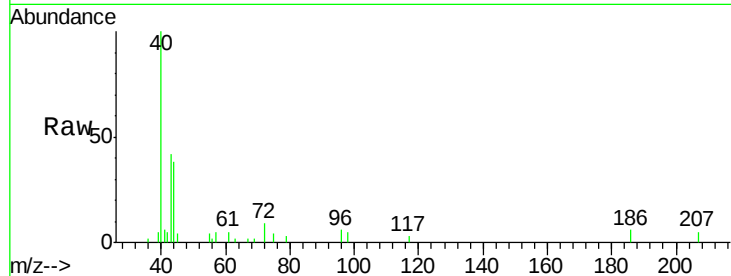
MR-MH-05-COMP

Tot Ion: 43 Resp: 7993

Ion Ratio Lower Upper

43 100

72 23.7 23.0 34.6



#29

Tetrahydrofuran

Concen: 1.041 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

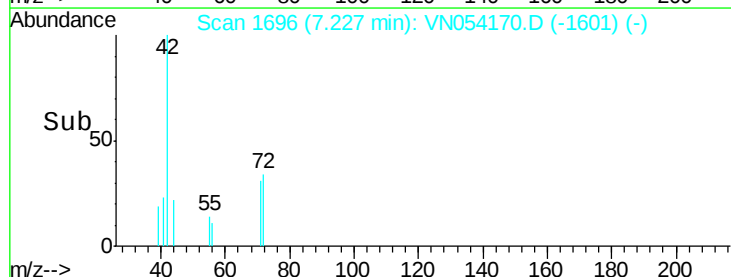
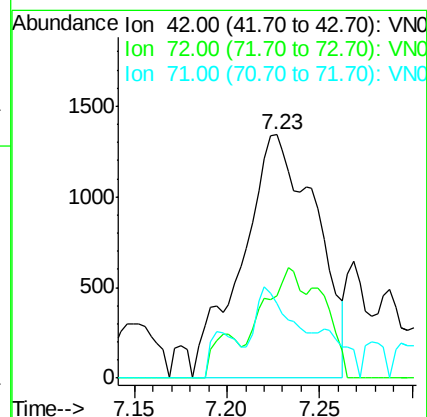
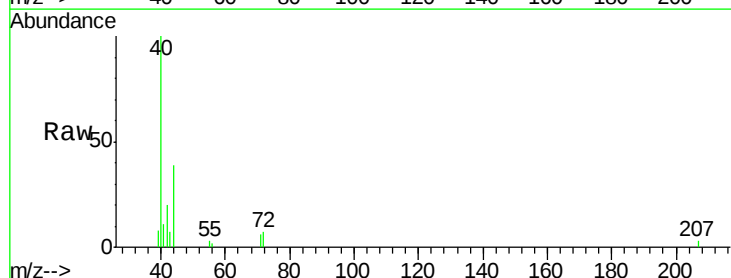
Tgt Ion: 42 Resp: 3744

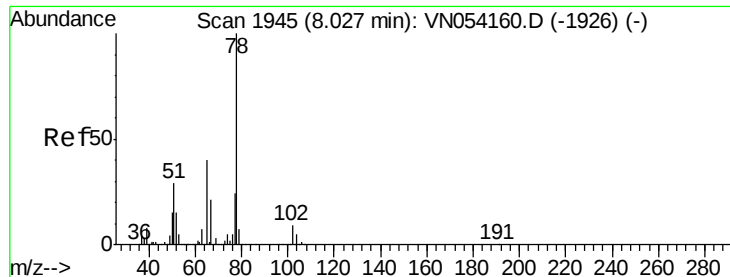
Ion Ratio Lower Upper

42 100

72 15.3 37.8 56.6#

71 11.9 36.2 54.2#





#33

1,2-Dichloroethane-d4

Concen: 47.620 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

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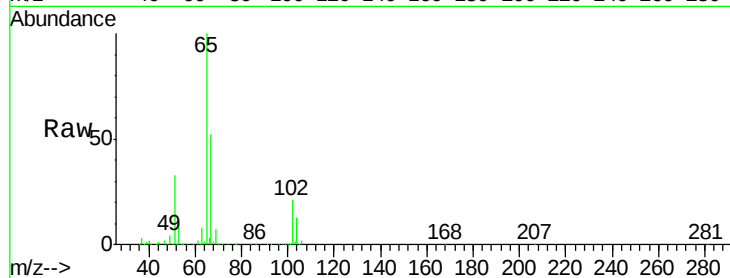
MR-MH-05-COMP

Tot Ion: 65 Resp: 792443

Ion Ratio Lower Upper

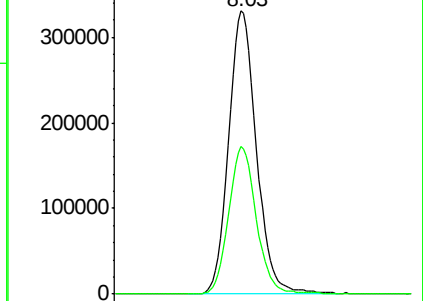
65 100

67 51.6 0.0 104.6

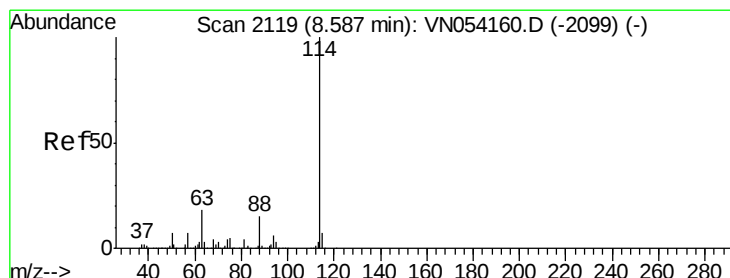
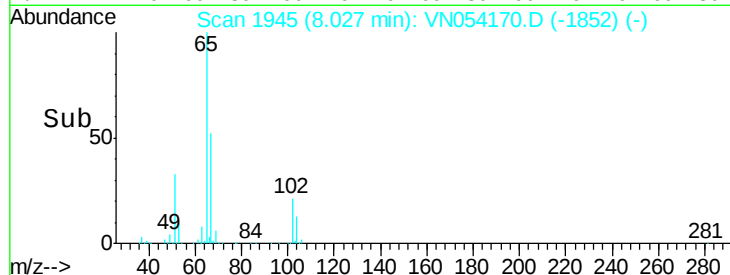


Abundance Ion 64.90 (64.60 to 65.60): VN054170.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054170.D (-1852) (-)



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

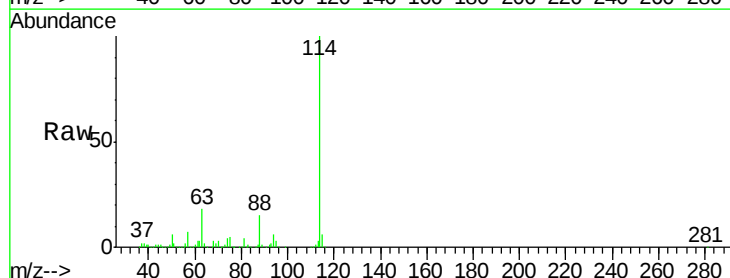
Tgt Ion: 114 Resp: 2507906

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

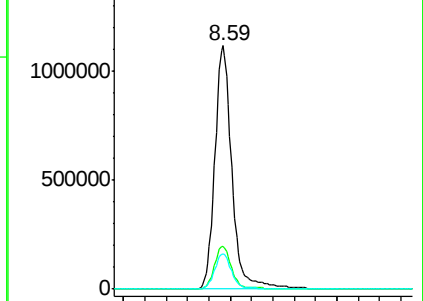
88 14.6 0.0 30.2



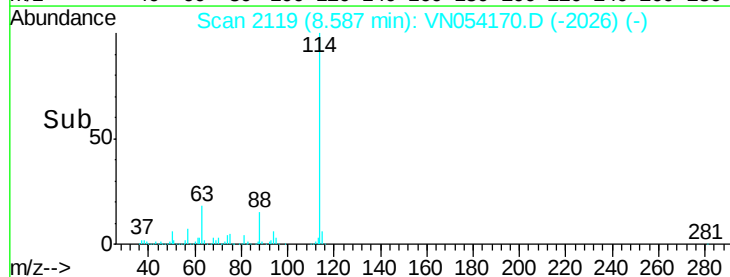
Abundance Ion 113.90 (113.60 to 114.60): VN054170.D (-2026) (-)

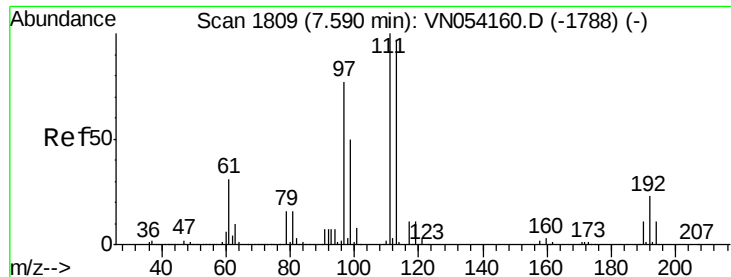
Ion 63.00 (62.70 to 63.70): VN054170.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054170.D (-2026) (-)



Time-->

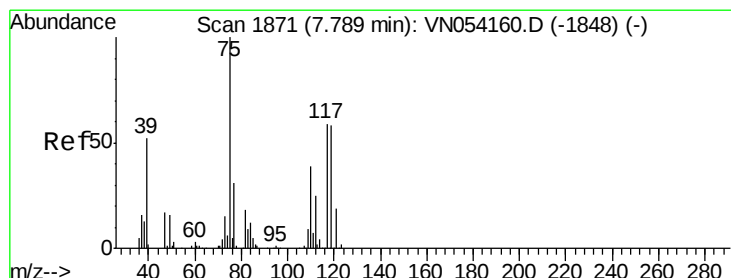
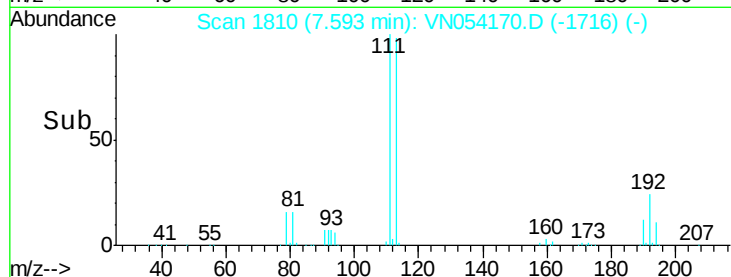
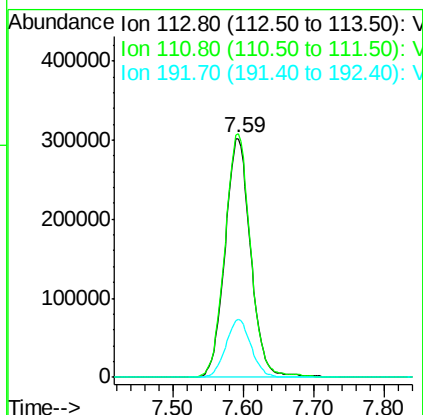
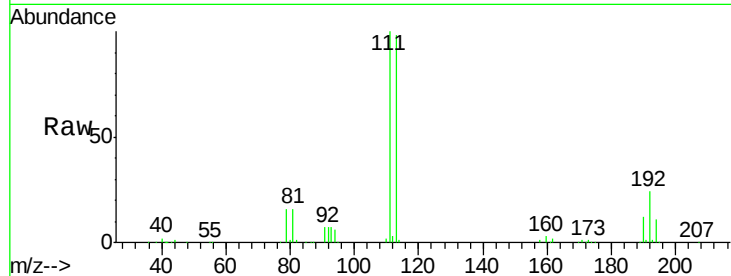




#35
 Dibromofluoromethane
 Concen: 47.488 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054170.D
 Acq: 12 Mar 2019 18:15

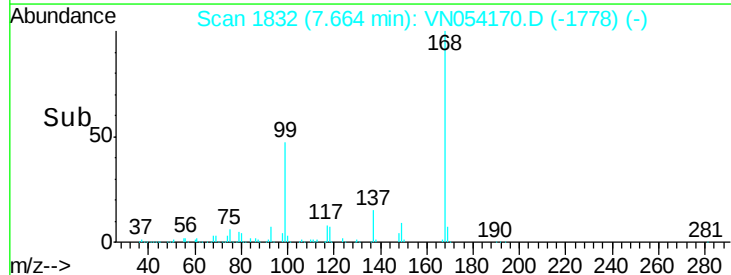
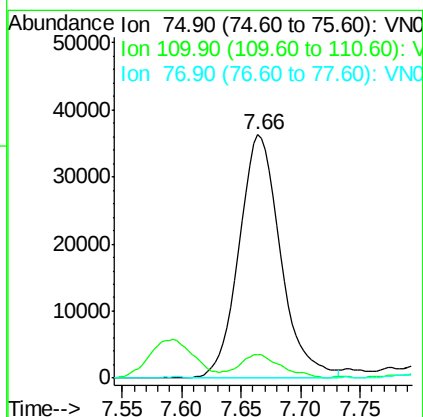
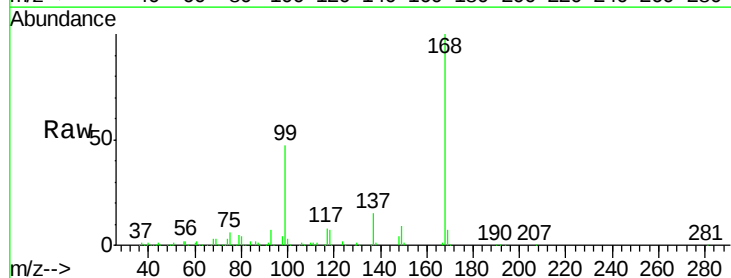
Instrument :
 MSVOA_N
 ClientSampleId :
 MR-MH-05-COMP

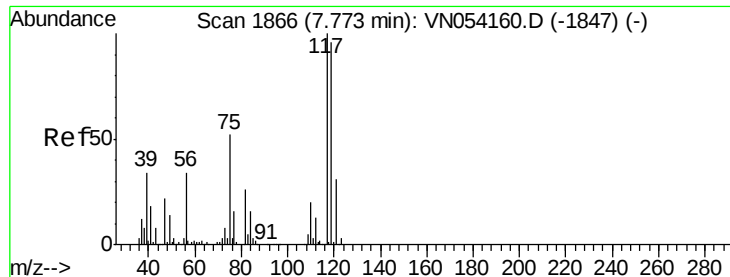
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	23.9	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 3.808 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054170.D
 Acq: 12 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.215 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MR-MH-05-COMP

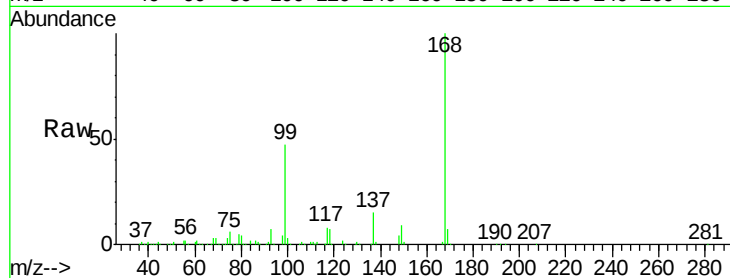
Tot Ion:117 Resp: 126309

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

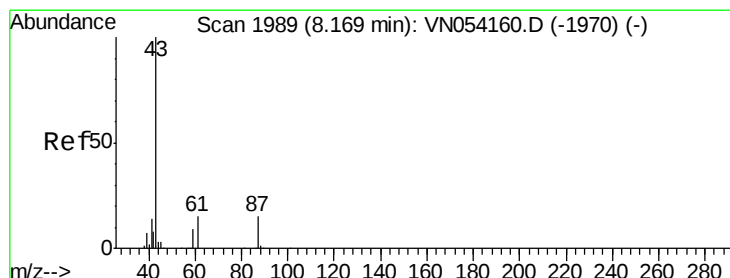
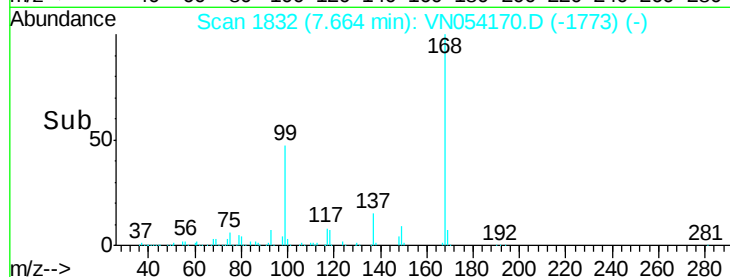
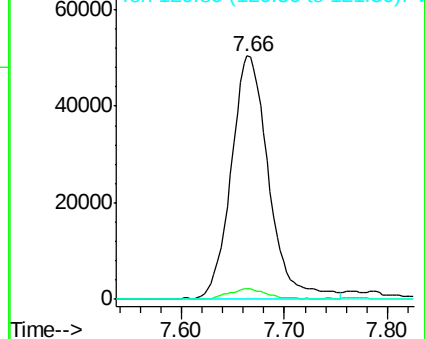
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 2.133 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

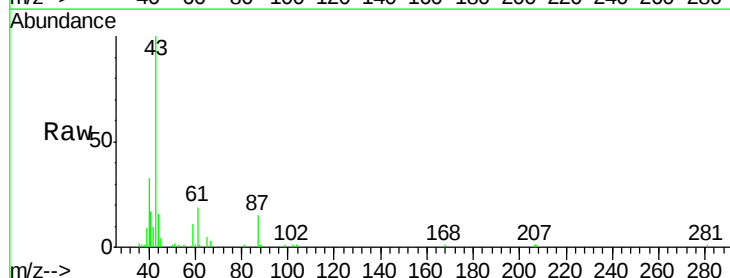
Tgt Ion: 43 Resp: 49686

Ion Ratio Lower Upper

43 100

61 19.3 15.8 23.8

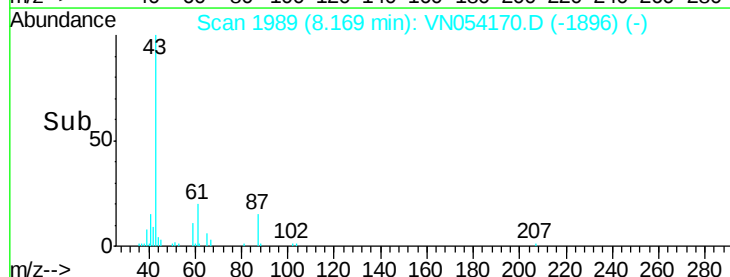
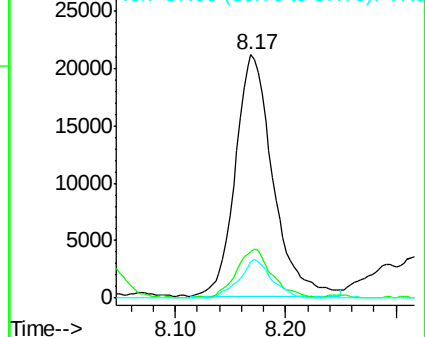
87 13.8 12.0 18.0

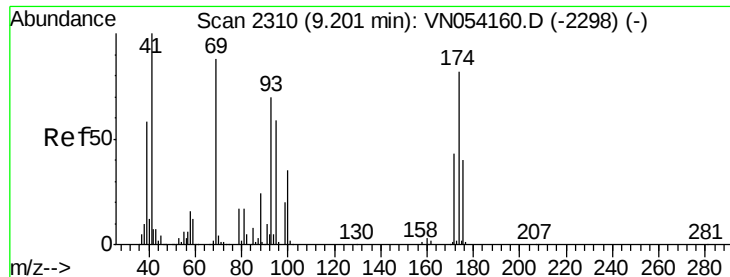


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

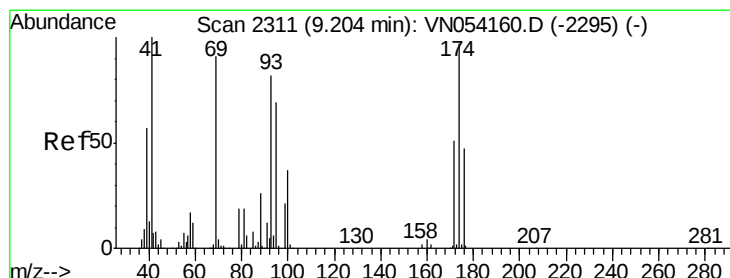
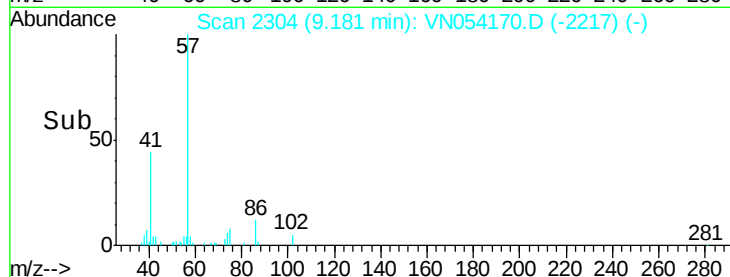
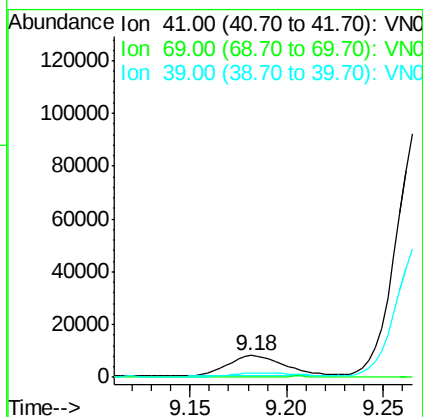
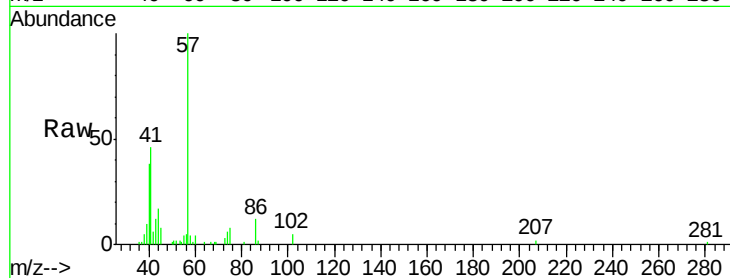




#48
Methvl methacrylate
Concen: 1.346 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN054170.D
Acq: 12 Mar 2019 18:15

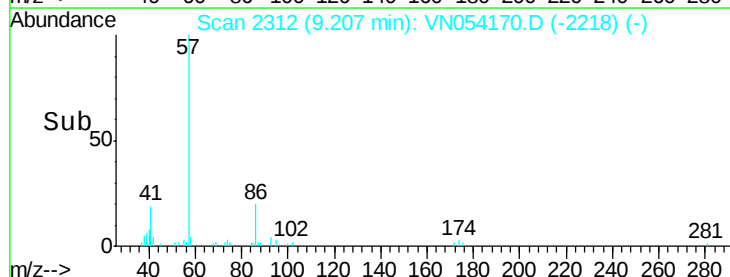
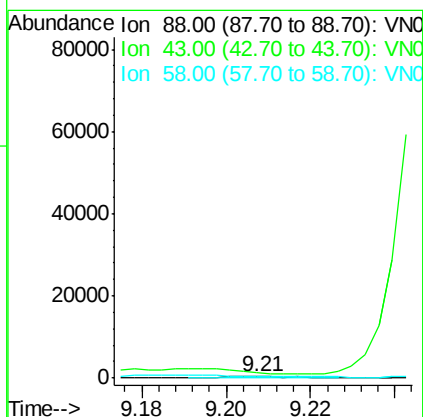
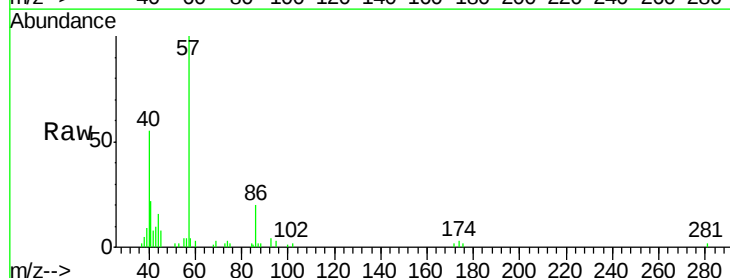
Instrument :
MSVOA_N
ClientSampleId :
MR-MH-05-COMP

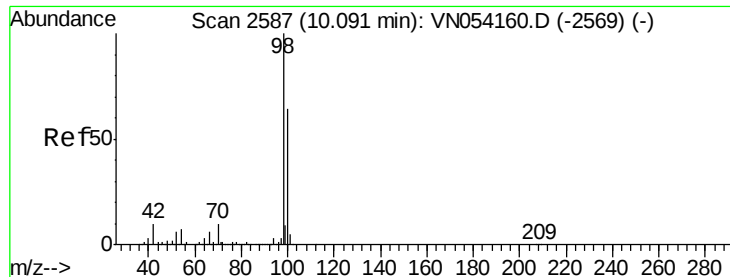
Tot Ion: 41 Resp: 15909
Ion Ratio Lower Upper
41 100
69 1.7 72.6 108.8#
39 20.8 47.5 71.3#



#49
1,4-Dioxane
Concen: 2.374 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054170.D
Acq: 12 Mar 2019 18:15

Tgt Ion: 88 Resp: 397
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 505.8 50.8 76.2#





#50

Toluene-d8

Concen: 51.319 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

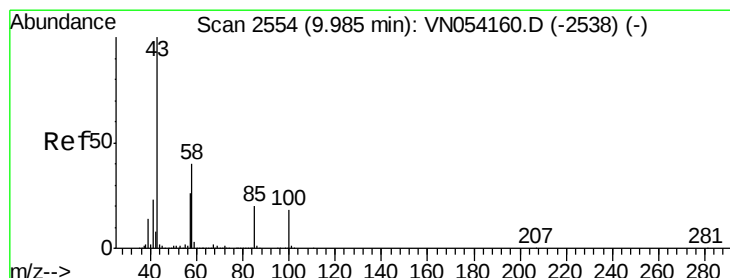
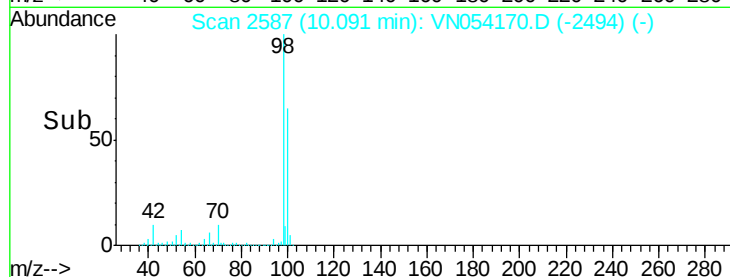
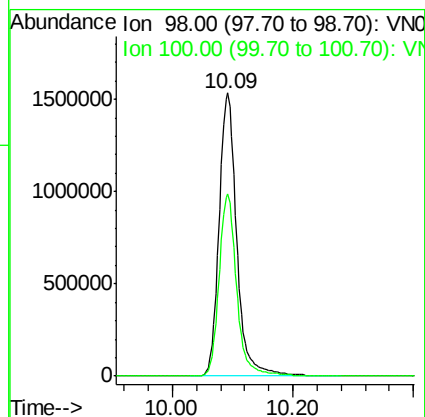
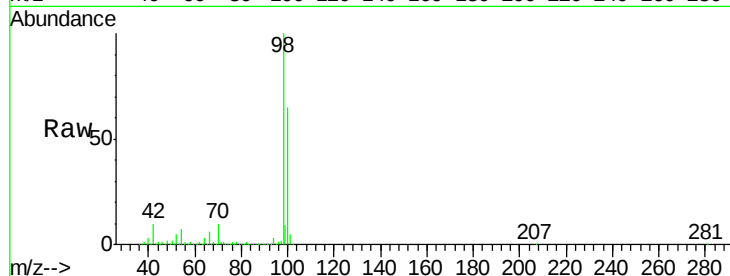
MR-MH-05-COMP

Tot Ion: 98 Resp: 3065621

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.429 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054170.D

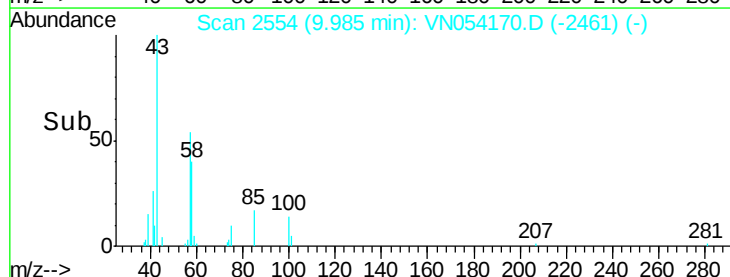
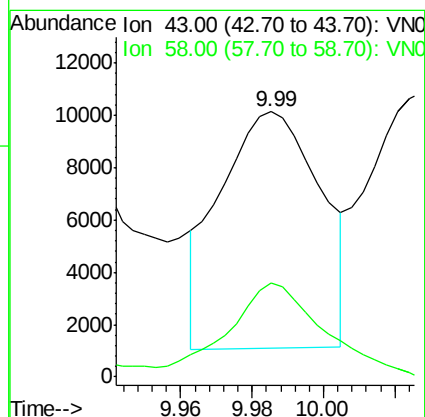
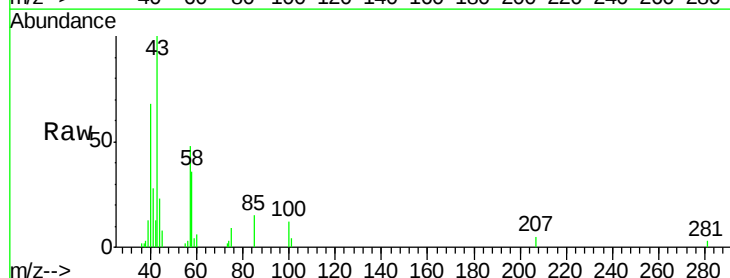
Acq: 12 Mar 2019 18:15

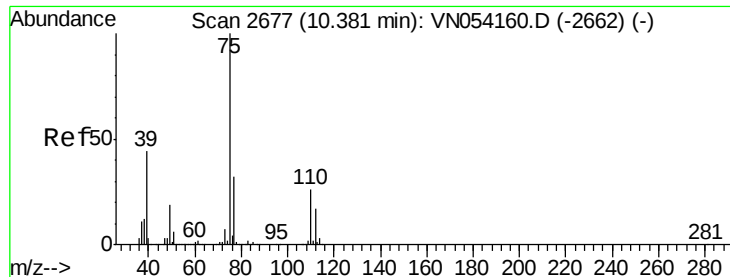
Tgt Ion: 43 Resp: 17610

Ion Ratio Lower Upper

43 100

58 38.2 31.8 47.6





#53

t-1,3-Dichloropropene

Concen: 2.058 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

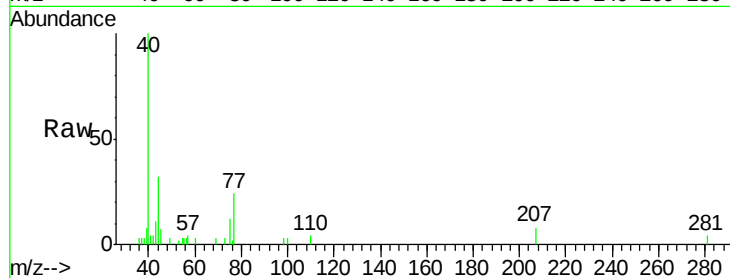
MR-MH-05-COMP

Tot Ion: 75 Resp: 1910

Ion Ratio Lower Upper

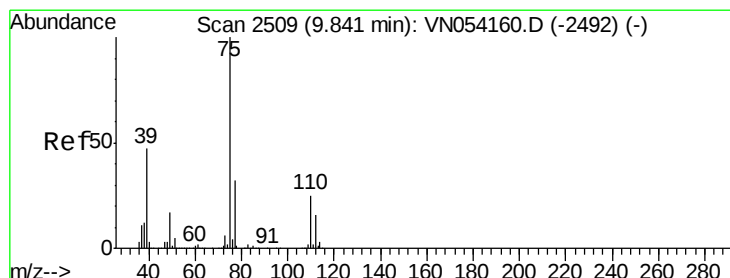
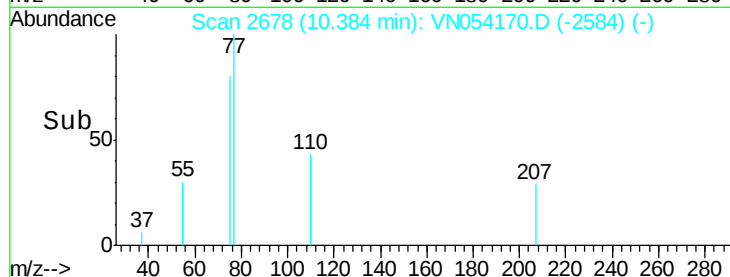
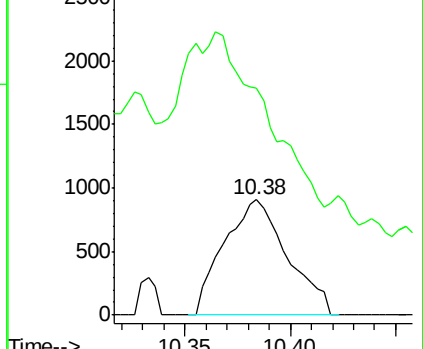
75 100

77 94.4 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.127 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

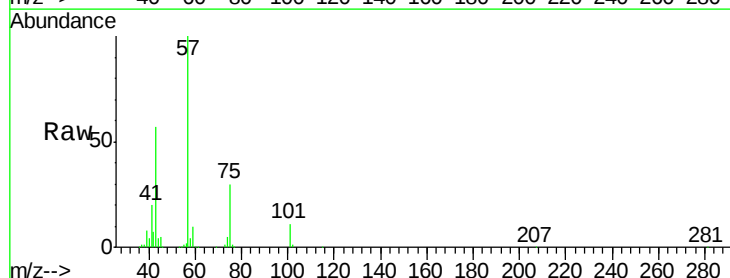
Tgt Ion: 75 Resp: 132804

Ion Ratio Lower Upper

75 100

77 0.9 25.4 38.0#

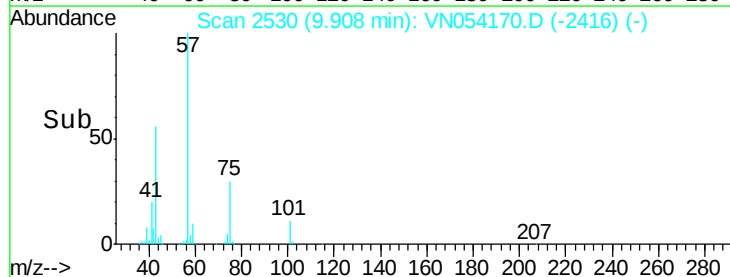
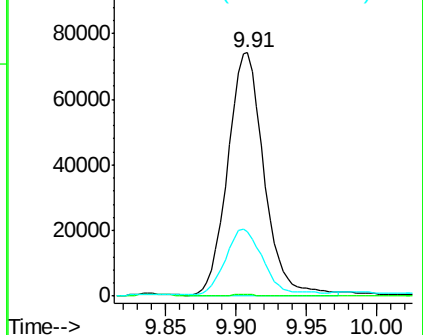
39 25.8 37.2 55.8#

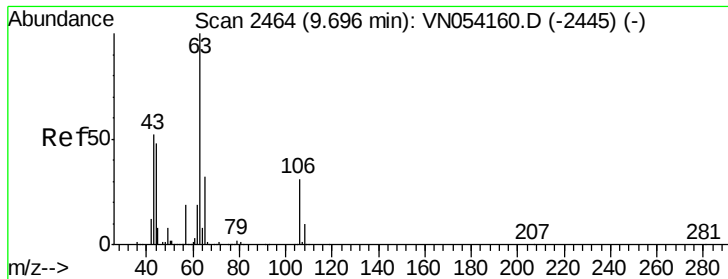


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 16.901 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

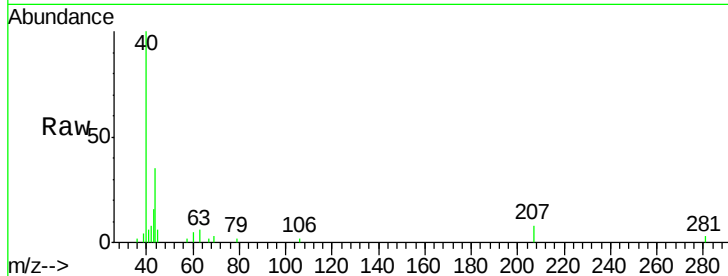
MR-MH-05-COMP

Tot Ion: 63 Resp: 621

Ion Ratio Lower Upper

63 100

106 18.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400

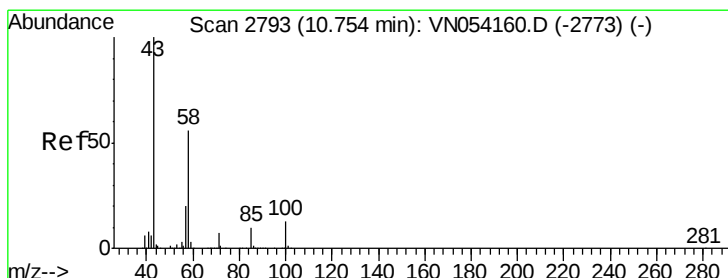
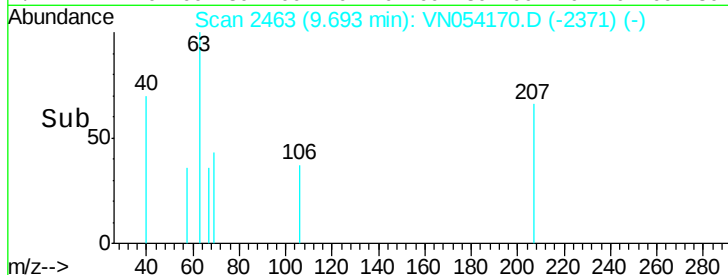
300

200

100

0

Time--> 9.66 9.68 9.70 9.72



#59

2-Hexanone

Concen: 34.308 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054170.D

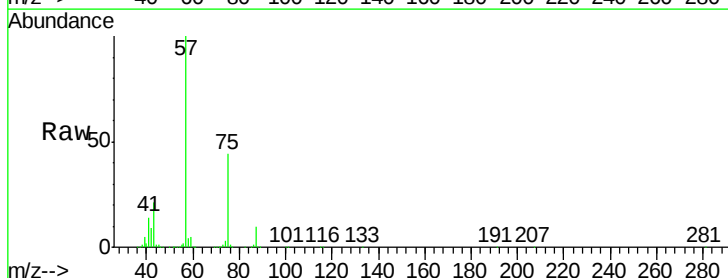
Acq: 12 Mar 2019 18:15

Tgt Ion: 43 Resp: 281403

Ion Ratio Lower Upper

43 100

58 20.7 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.77

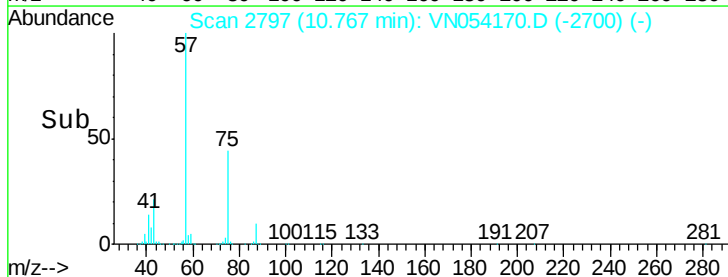
150000

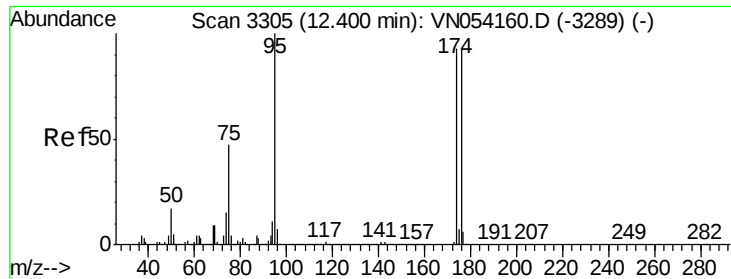
100000

50000

0

Time--> 10.70 10.75 10.80

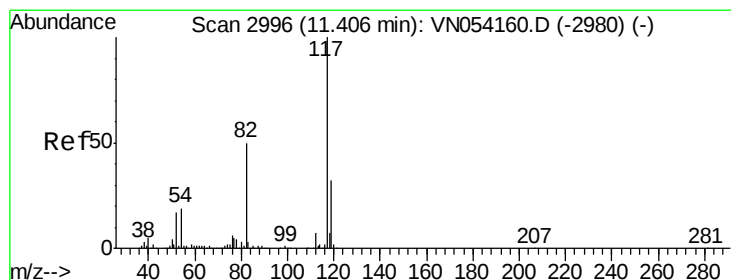
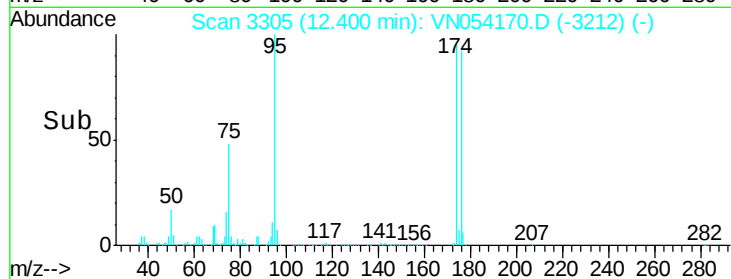
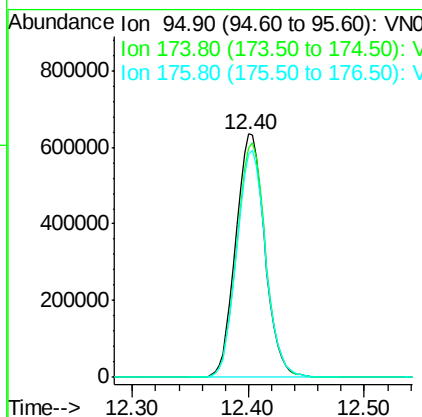
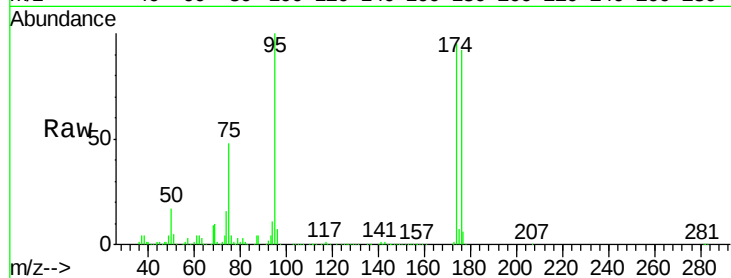




#62
4-Bromofluorobenzene
Concen: 52.722 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054170.D
Acq: 12 Mar 2019 18:15

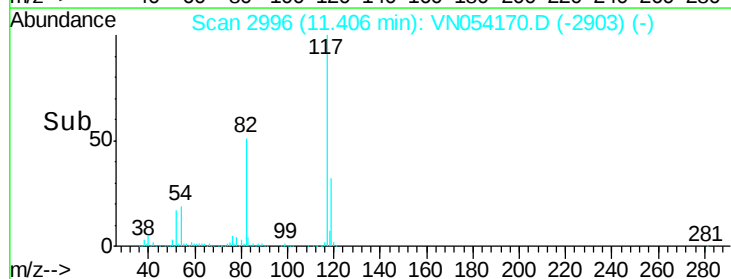
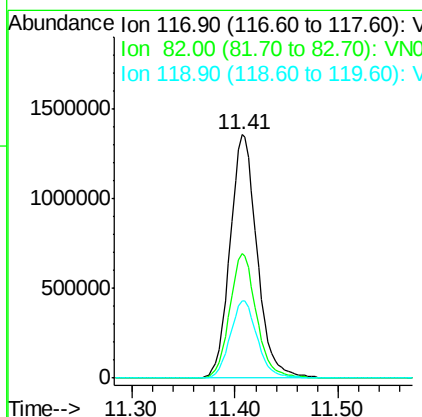
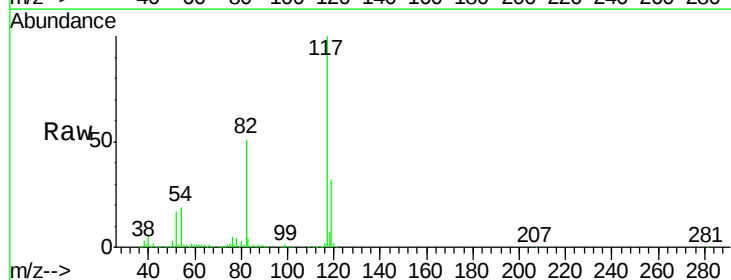
Instrument :
MSVOA_N
ClientSampleId :
MR-MH-05-COMP

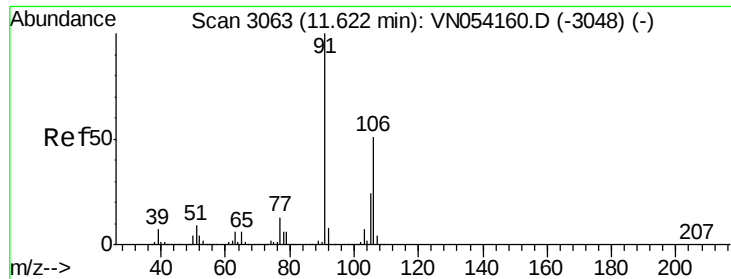
Tot Ion: 95 Resp: 1101993
Ion Ratio Lower Upper
95 100
174 95.9 0.0 191.0
176 93.0 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054170.D
Acq: 12 Mar 2019 18:15

Tgt Ion: 117 Resp: 2483334
Ion Ratio Lower Upper
117 100
82 51.3 40.0 60.0
119 32.0 25.8 38.6

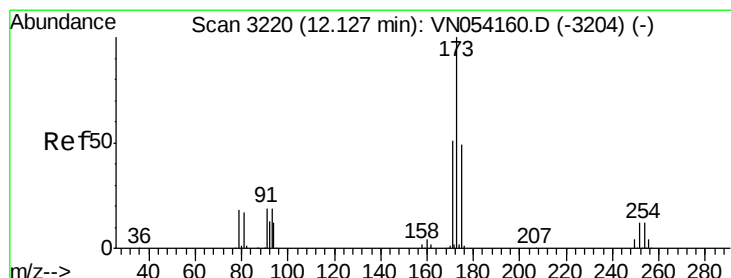
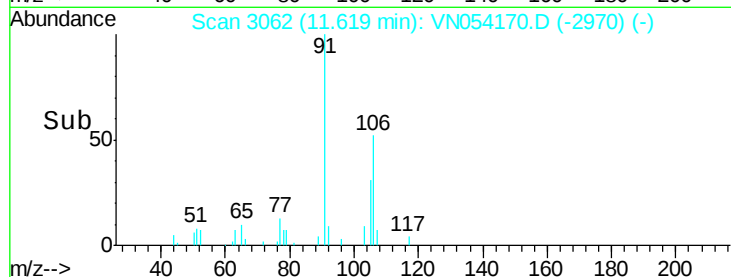
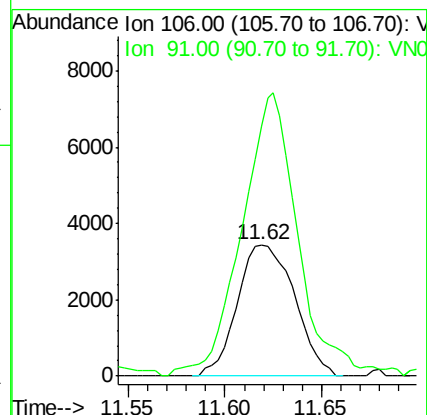
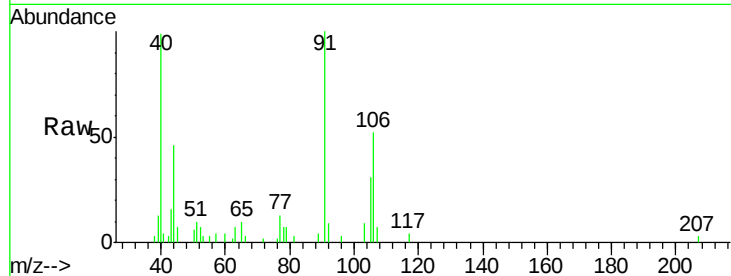




#68
m/p-Xvlenes
Concen: 0.200 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054170.D
Acq: 12 Mar 2019 18:15

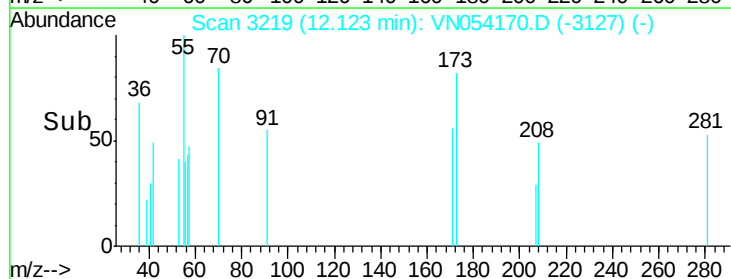
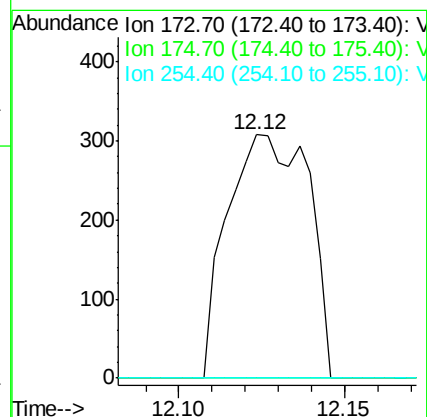
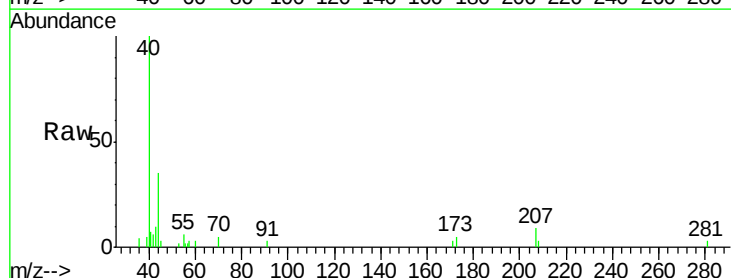
Instrument :
MSVOA_N
ClientSampleId :
MR-MH-05-COMP

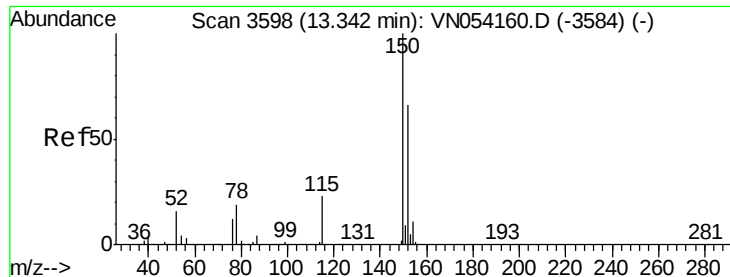
Tot Ion:106 Resp: 7076
Ion Ratio Lower Upper
106 100
91 212.8 159.4 239.2



#71
Bromoform
Concen: 2.384 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN054170.D
Acq: 12 Mar 2019 18:15

Tgt Ion:173 Resp: 526
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MR-MH-05-COMP

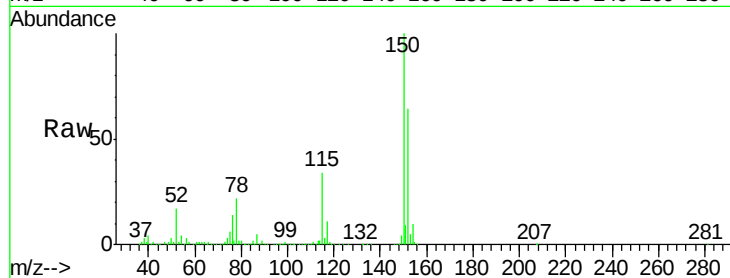
Tot Ion:152 Resp: 989585

Ion Ratio Lower Upper

152 100

115 54.5 27.2 81.6

150 157.5 0.0 349.2

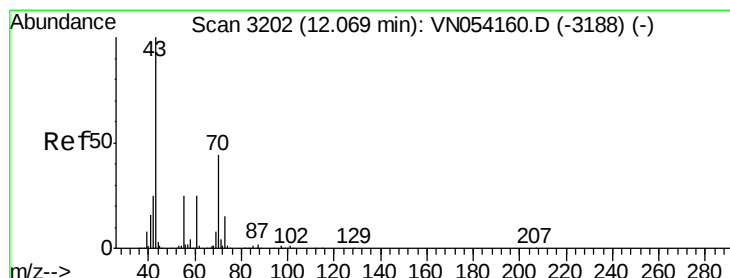
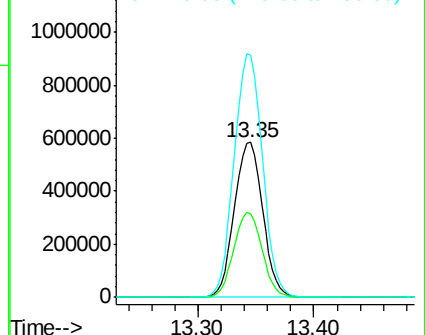
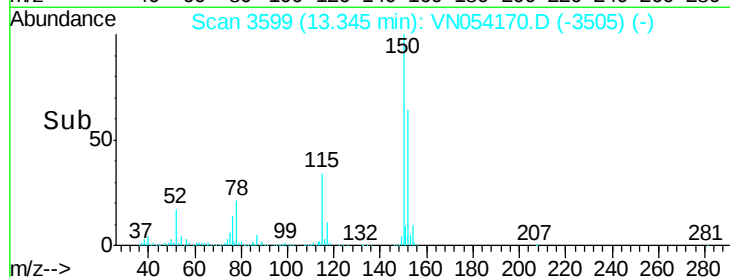


Abundance

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



#74

N-ethyl acetate

Concen: 0.440 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Tgt Ion: 43 Resp: 7725

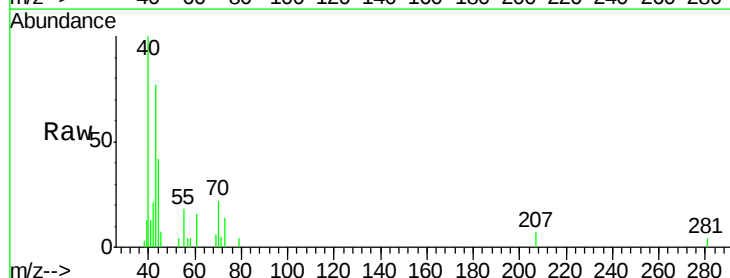
Ion Ratio Lower Upper

43 100

70 44.0 35.4 53.0

55 35.0 19.8 29.6#

61 25.4 19.8 29.6



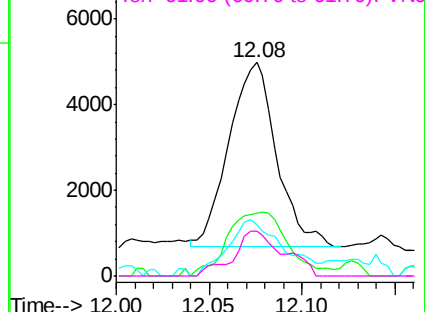
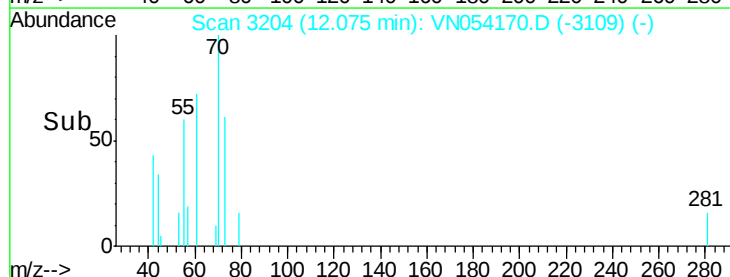
Abundance

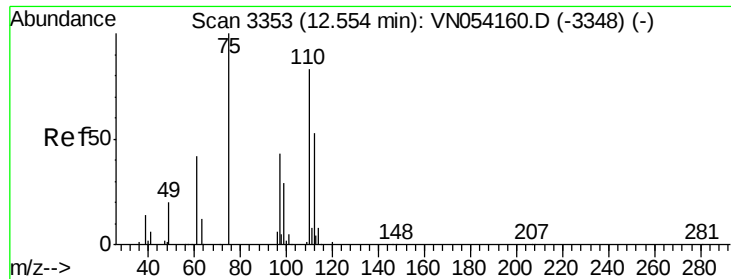
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

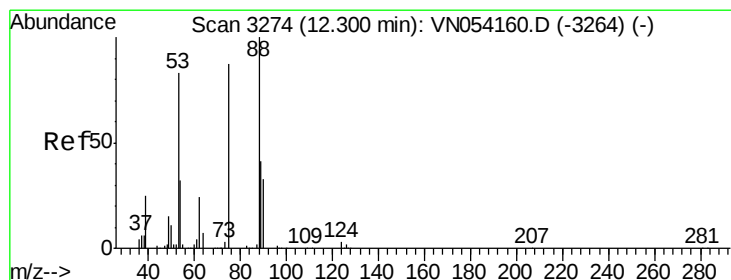
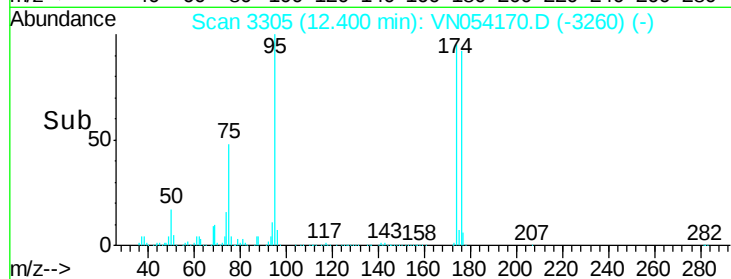
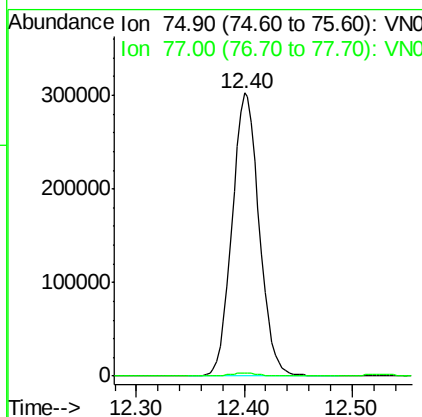
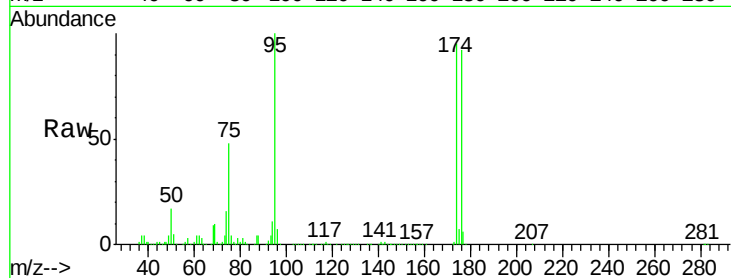




#76
 1,2,3-Trichloropropane
 Concen: 36.429 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054170.D
 Acq: 12 Mar 2019 18:15

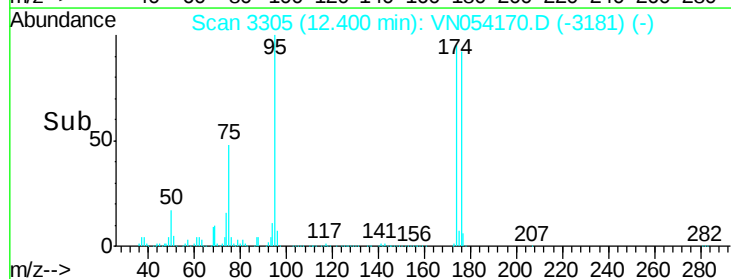
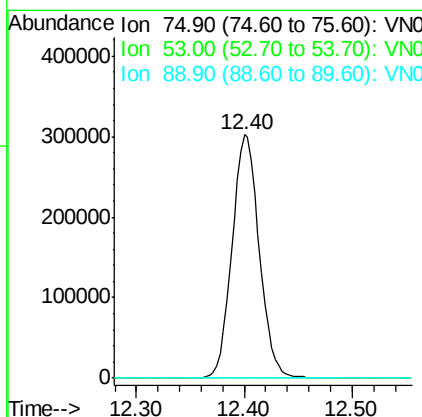
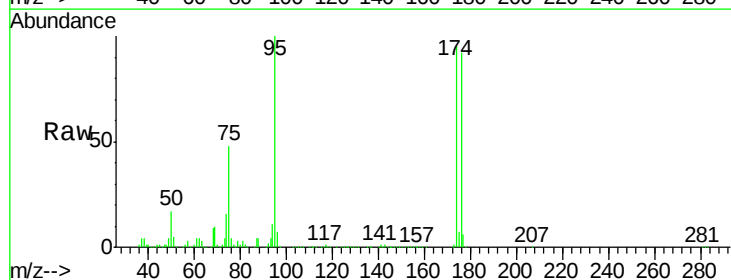
Instrument :
 MSVOA_N
 ClientSampleId :
 MR-MH-05-COMP

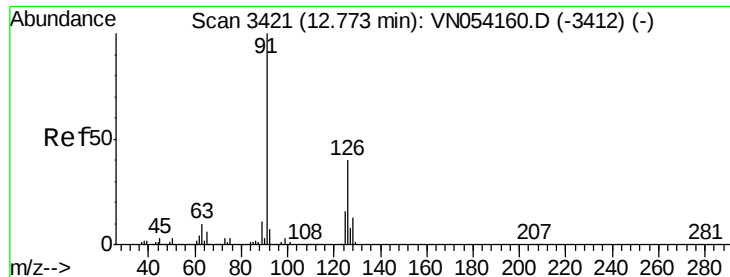
Tot Ion: 75 Resp: 530128
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.531 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054170.D
 Acq: 12 Mar 2019 18:15

Tgt Ion: 75 Resp: 530128
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 0.214 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

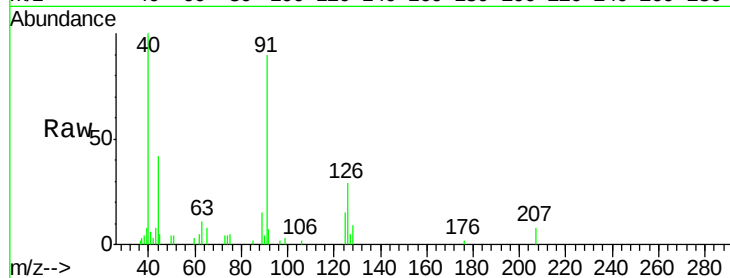
MR-MH-05-COMP

Tot Ion: 91 Resp: 11062

Ion Ratio Lower Upper

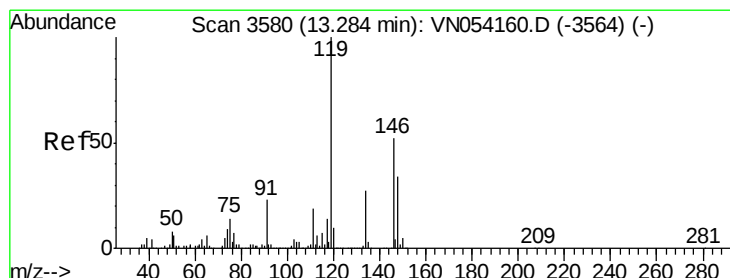
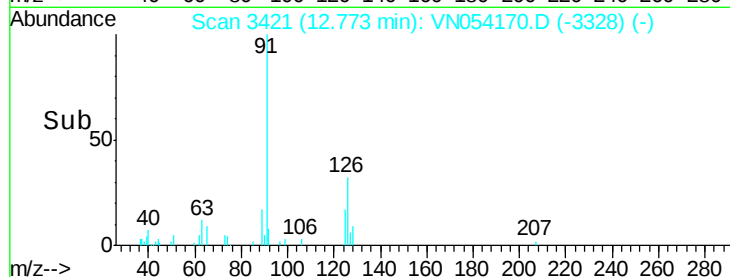
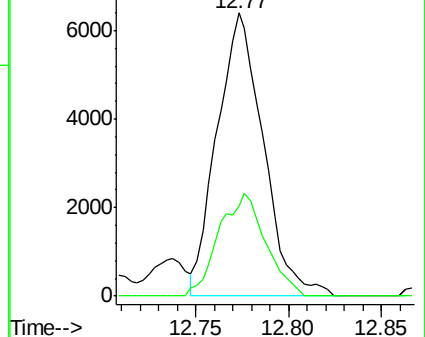
91 100

126 36.7 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN054170.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN054170.D (-3412) (-)



#87

1,3-Dichlorobenzene

Concen: 0.296 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

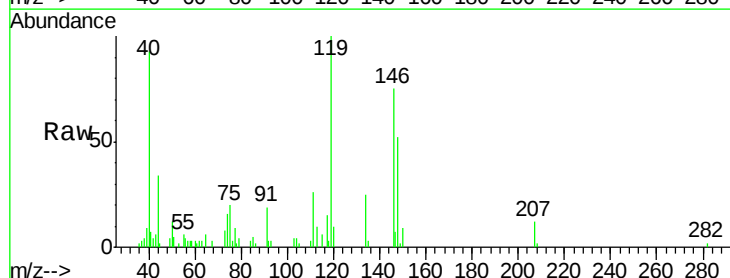
Tgt Ion: 146 Resp: 10450

Ion Ratio Lower Upper

146 100

111 36.5 18.8 56.3

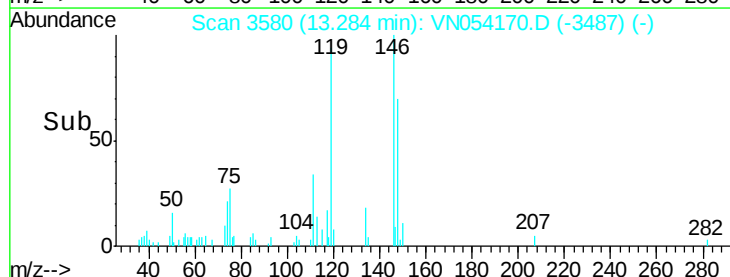
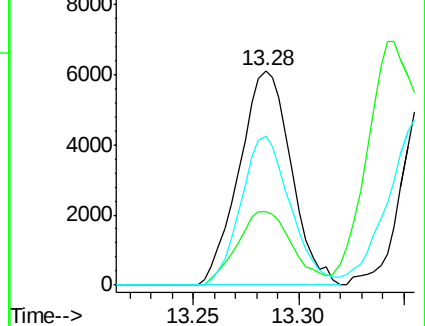
148 66.5 32.2 96.6

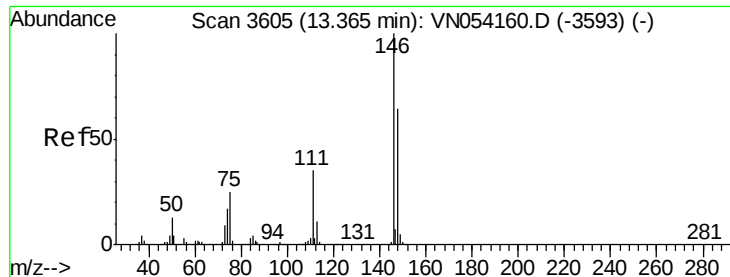


Abundance Ion 145.90 (145.60 to 146.60): VN054170.D (-3564) (-)

Ion 110.90 (110.60 to 111.60): VN054170.D (-3564) (-)

Ion 147.90 (147.60 to 148.60): VN054170.D (-3564) (-)





#88

1,4-Dichlorobenzene

Concen: 0.301 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MR-MH-05-COMP

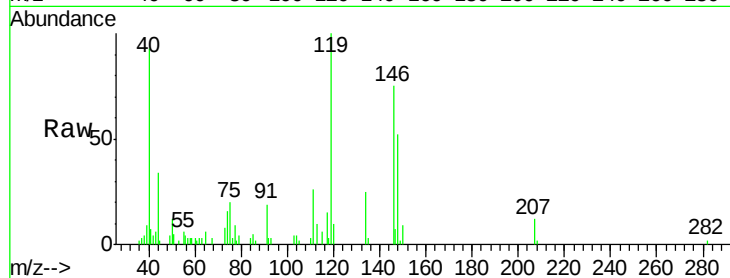
Tot Ion:146 Resp: 10450

Ion Ratio Lower Upper

146 100

111 36.5 18.1 54.1

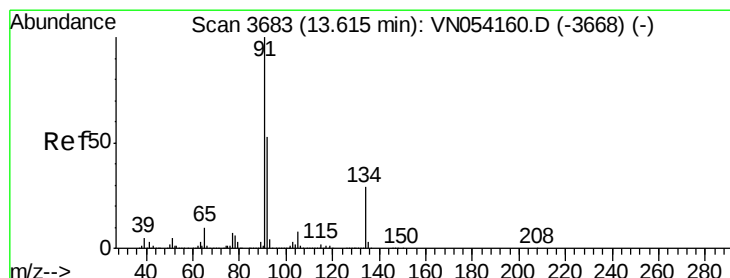
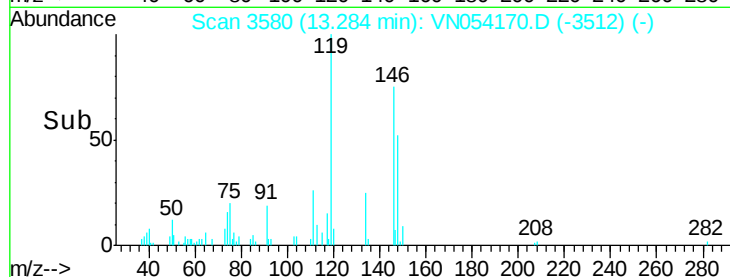
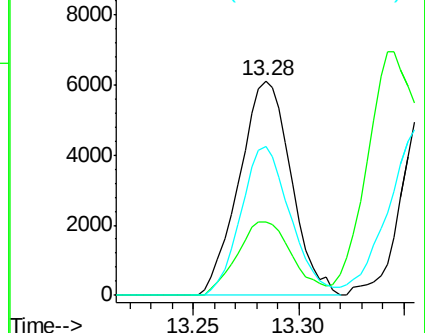
148 66.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.343 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

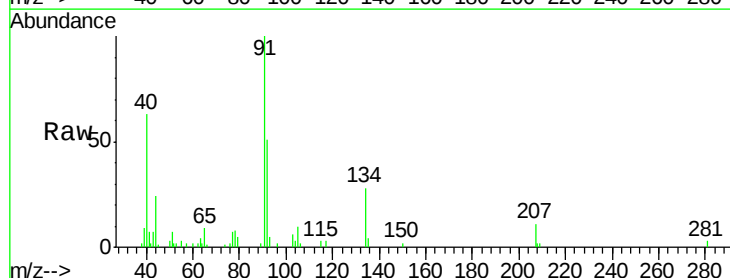
Tgt Ion: 91 Resp: 17984

Ion Ratio Lower Upper

91 100

92 53.8 26.2 78.6

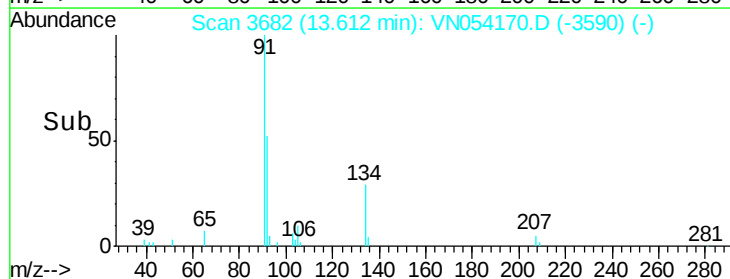
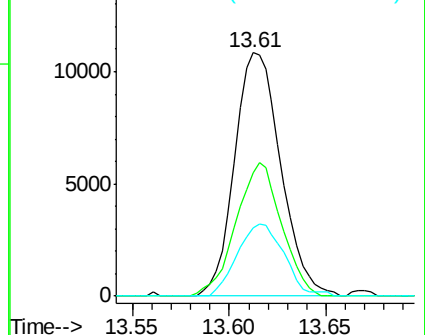
134 30.0 14.3 42.9

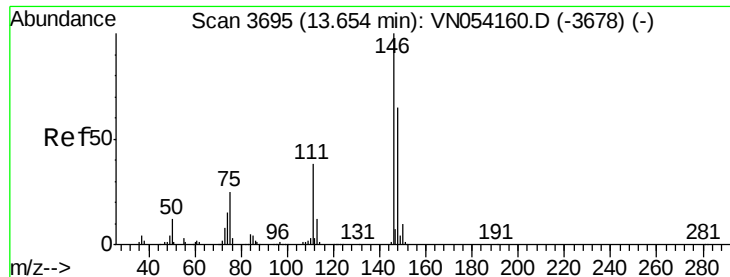


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

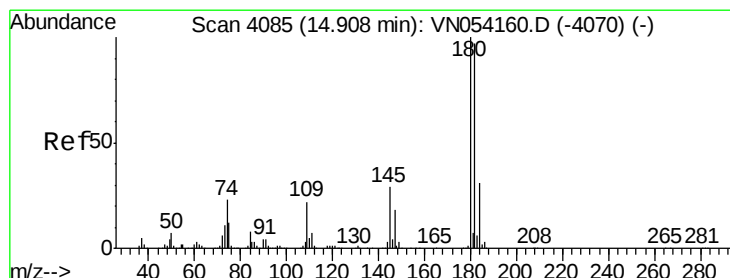
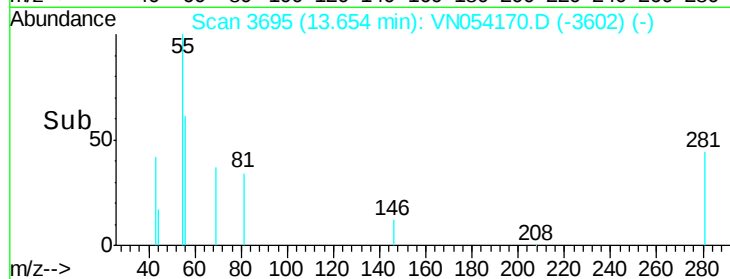
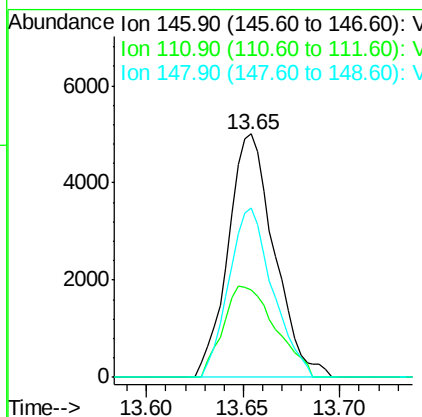
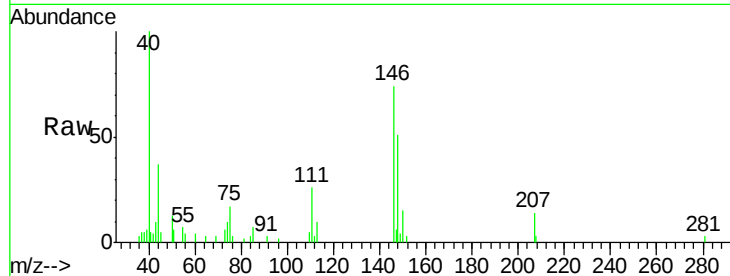




#91
 1,2-Dichlorobenzene
 Concen: 0.240 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054170.D
 Acq: 12 Mar 2019 18:15

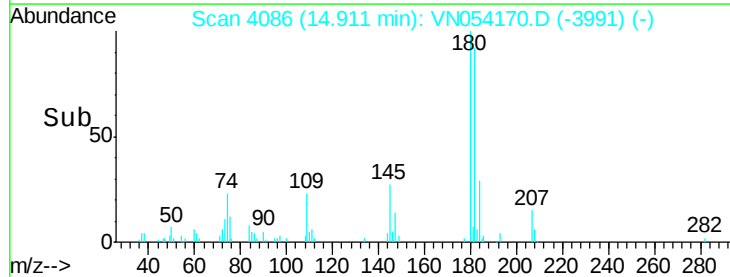
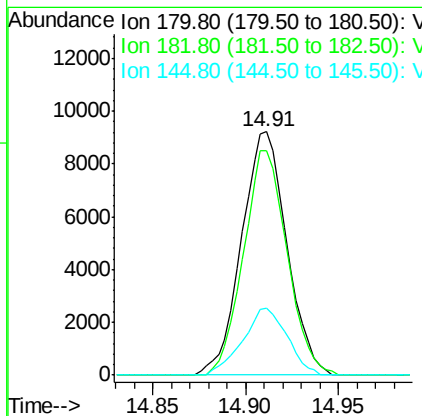
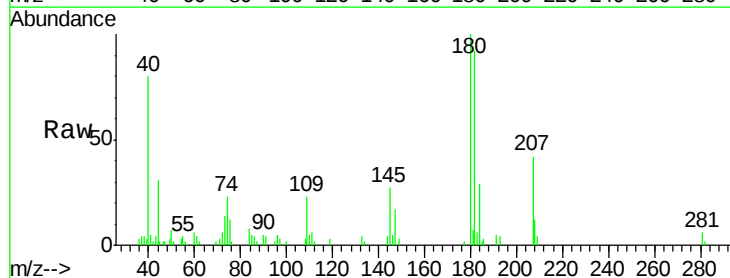
Instrument :
 MSVOA_N
 ClientSampleId :
 MR-MH-05-COMP

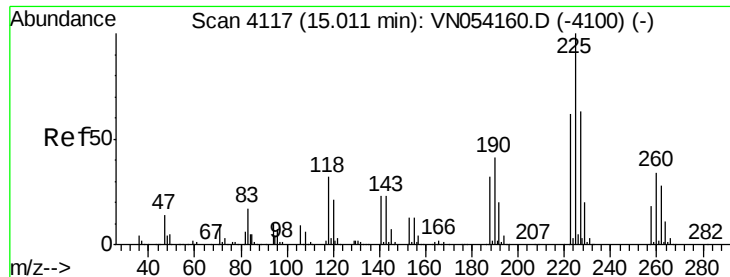
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.1	57.3
148	66.0	32.4	97.0



#93
 1,2,4-Trichlorobenzene
 Concen: 3.228 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054170.D
 Acq: 12 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.9	48.0	144.2
145	27.0	14.2	42.8





#94

Hexachlorobutadiene

Concen: 0.524 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MR-MH-05-COMP

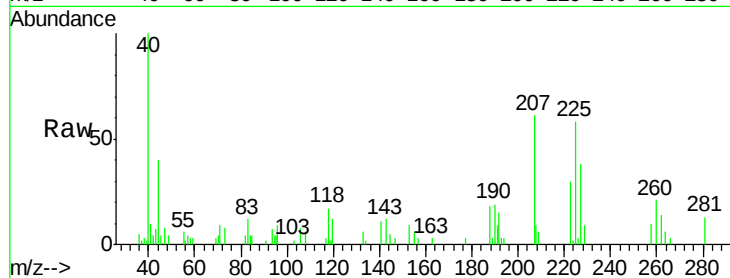
Tot Ion:225 Resp: 6888

Ion Ratio Lower Upper

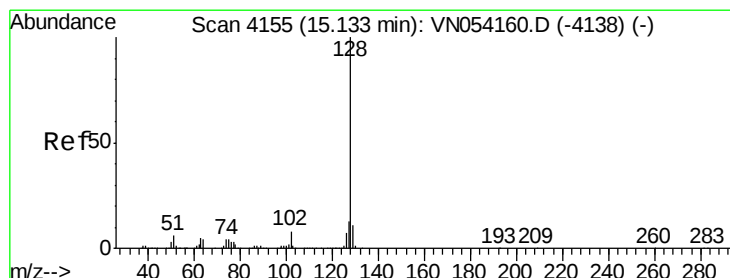
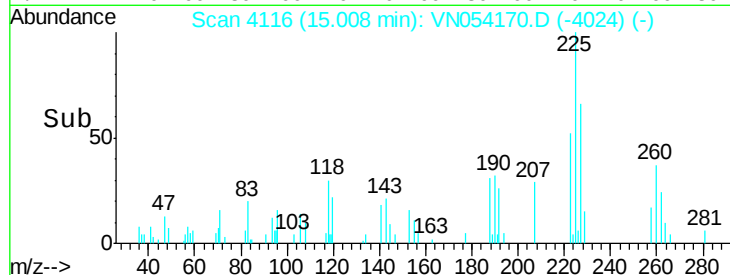
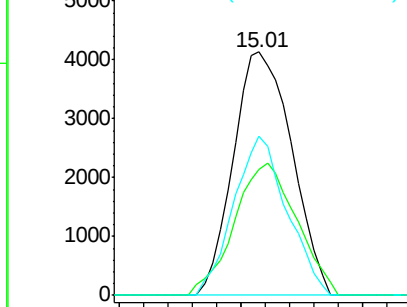
225 100

223 57.8 31.1 93.5

227 59.4 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



#95

Naphthalene

Concen: 4.442 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054170.D

Acq: 12 Mar 2019 18:15

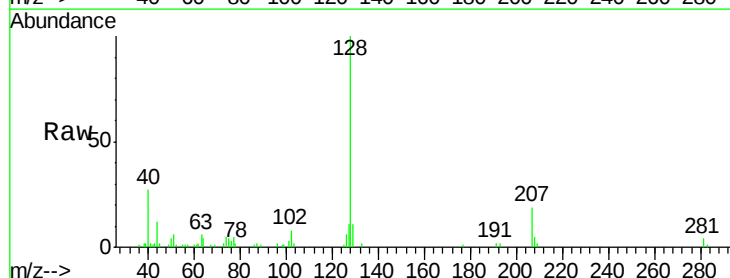
Tgt Ion:128 Resp: 45333

Ion Ratio Lower Upper

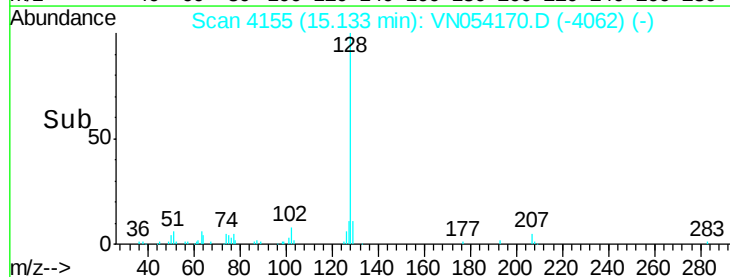
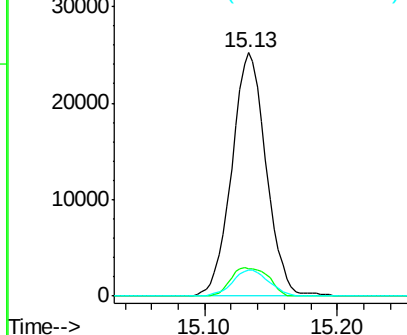
128 100

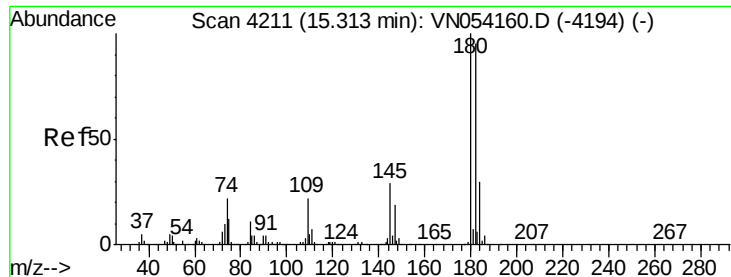
127 12.8 10.1 15.1

129 11.2 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

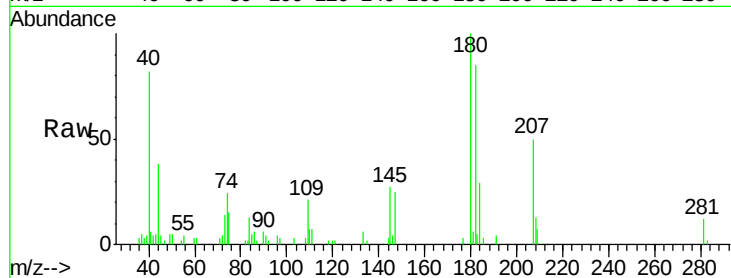




#96
 1,2,3-Trichlorobenzene
 Concen: 0.826 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN054170.D
 Acq: 12 Mar 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MR-MH-05-COMP

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.5	142.6
145	31.4	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

