

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062295.D
 Acq On : 1 Jul 2020 16:30
 Operator : JC/MD
 Sample : L3136-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-GW-568-570

Quant Time: Jul 02 06:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	209134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	412186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	396702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141639	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	165298	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	
35) Dibromofluoromethane	7.55	113	132836	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.06	98	539539	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.38	95	172512	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	

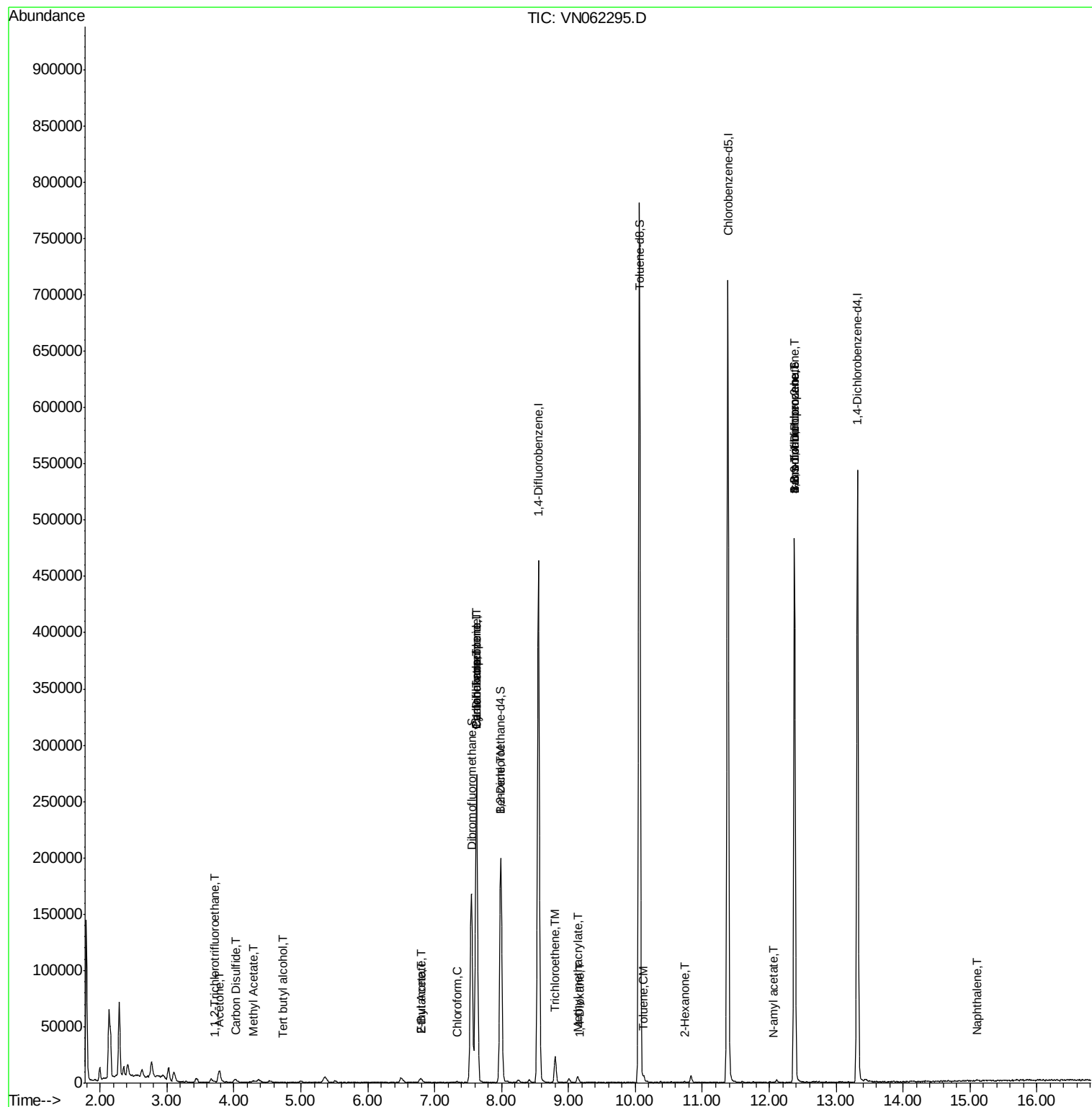
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	688	Below Cal	#	49
9) 1,1,2-Trichlorotrifluoroet	3.72	101	595	0.248	ug/l #	39
11) Tert butyl alcohol	4.74	59	148	0.351	ug/l #	72
16) Acetone	3.78	43	18376	16.159	ug/l	98
17) Carbon Disulfide	4.01	76	2152	0.363	ug/l #	75
18) Methyl Acetate	4.30	43	1124	0.482	ug/l #	56
20) Methylene Chloride	4.53	84	101	Below Cal	#	9
25) 2-Butanone	6.80	43	5699	3.973	ug/l	95
30) Chloroform	7.33	83	1134	0.233	ug/l	93
31) Cyclohexane	7.62	56	5623	1.387	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	18480	4.460	ug/l #	49
37) Ethyl Acetate	6.80	43	5699	1.661	ug/l #	80
38) Carbon Tetrachloride	7.63	117	21495	5.503	ug/l #	15
40) Benzene	8.00	78	6952	0.551	ug/l	94
44) Trichloroethene	8.80	130	8083	2.537	ug/l	93
48) Methyl methacrylate	9.14	41	1490	0.594	ug/l #	28
49) 1,4-Dioxane	9.17	88	236	4.244	ug/l #	28
52) Toluene	10.12	92	1650	0.214	ug/l	90
59) 2-Hexanone	10.73	43	1243	0.527	ug/l #	28
71) Bromoform	12.37	173	1531	0.715	ug/l #	1
74) N-amyl acetate	12.06	43	100	3.366	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	89676	26.895	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	89676	78.544	ug/l #	13
95) Naphthalene	15.11	128	501	4.063	ug/l #	69

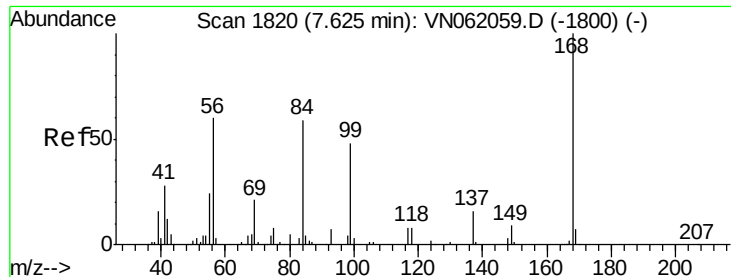
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

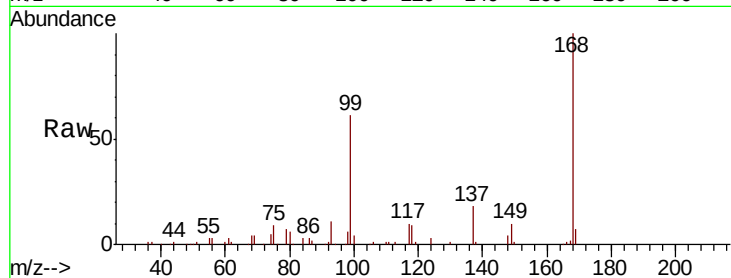
BP-MW180-GW-568-570

Tot Ion:168 Resp: 209134

Ion Ratio Lower Upper

168 100

99 61.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

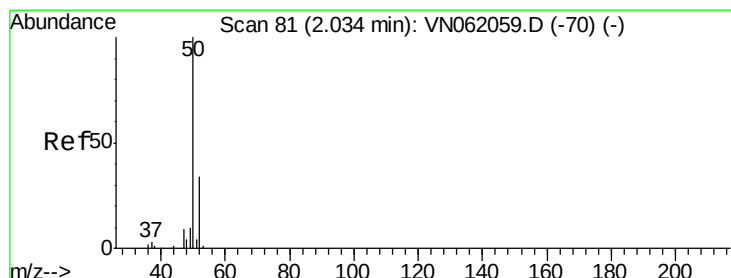
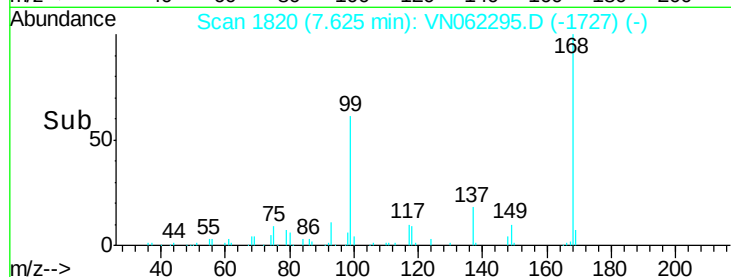
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062295.D

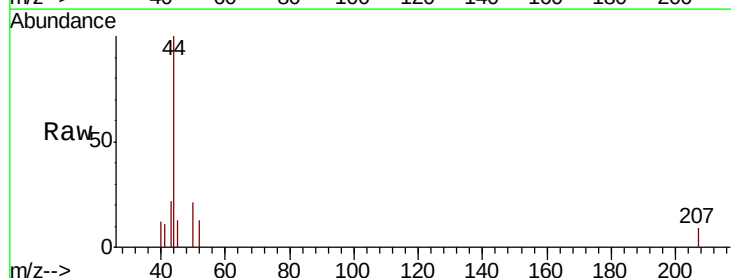
Acq: 1 Jul 2020 16:30

Tgt Ion: 50 Resp: 688

Ion Ratio Lower Upper

50 100

52 63.1 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

400

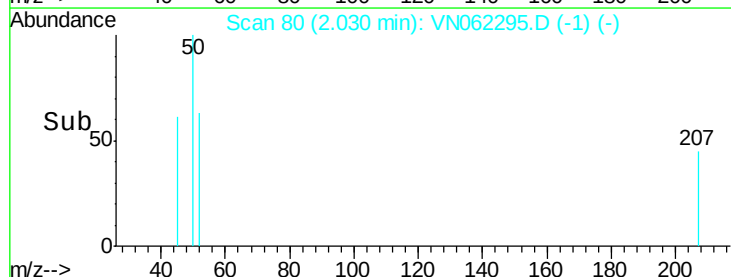
300

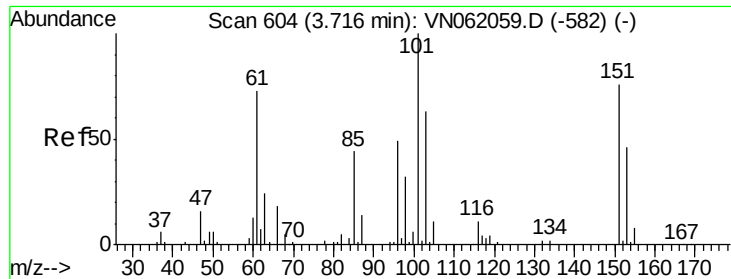
200

100

0

Time--> 2.00 2.02 2.04 2.06 2.08





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.248 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-GW-568-570

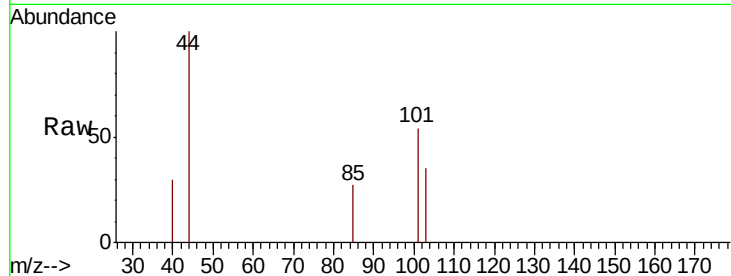
Tot Ion:101 Resp: 595

Ion Ratio Lower Upper

101 100

85 17.6 34.5 51.7#

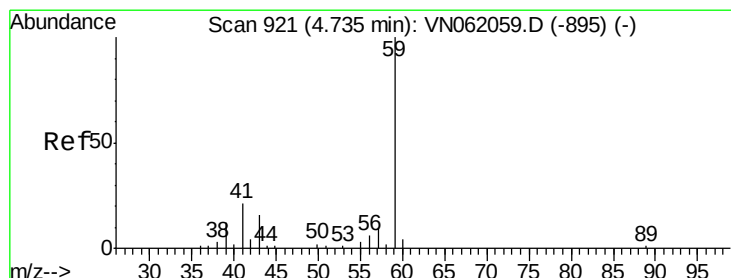
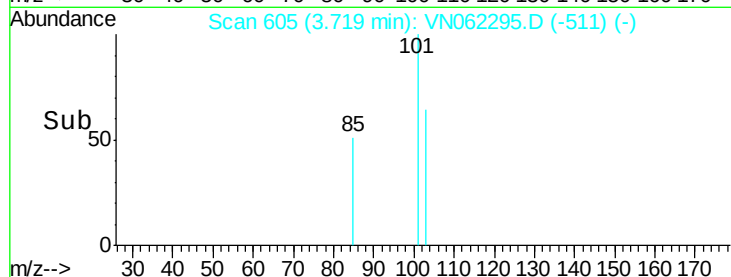
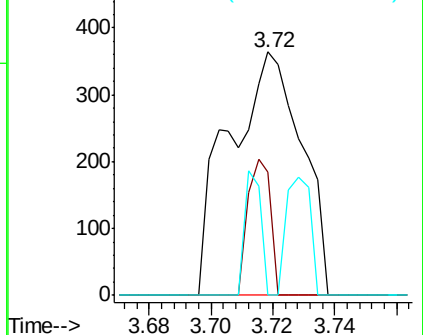
151 11.3 57.8 86.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.351 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN062295.D

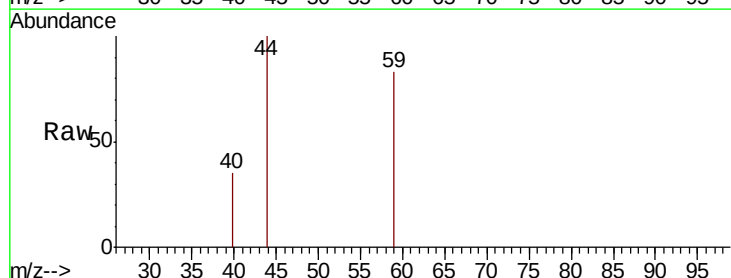
Acq: 1 Jul 2020 16:30

Tgt Ion: 59 Resp: 148

Ion Ratio Lower Upper

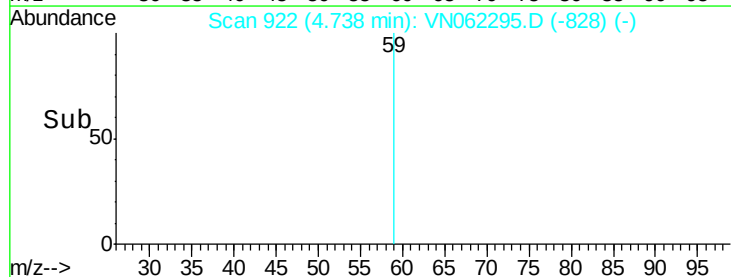
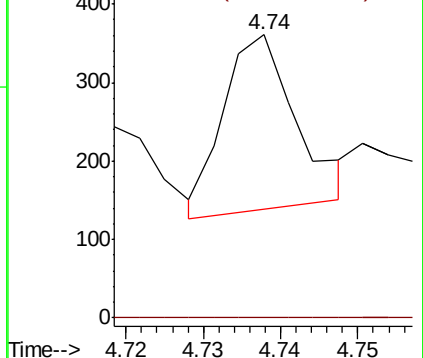
59 100

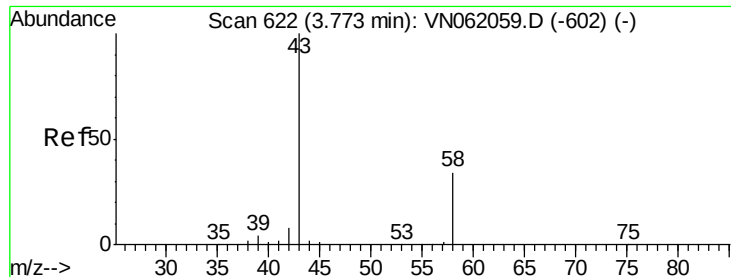
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 16.159 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

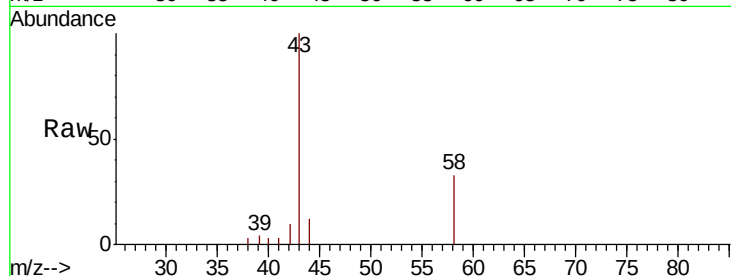
BP-MW180-GW-568-570

Tot Ion: 43 Resp: 18376

Ion Ratio Lower Upper

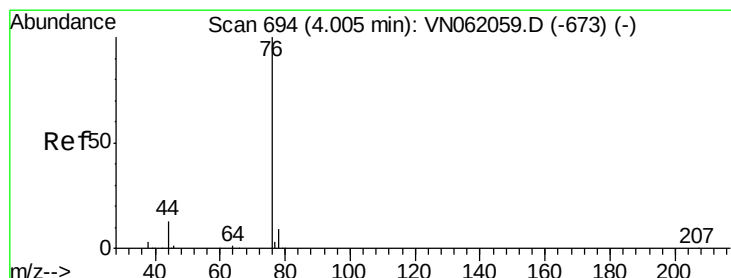
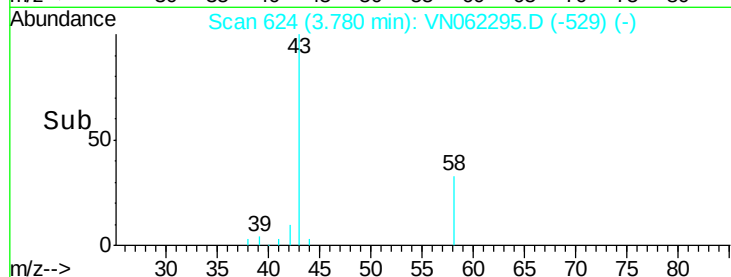
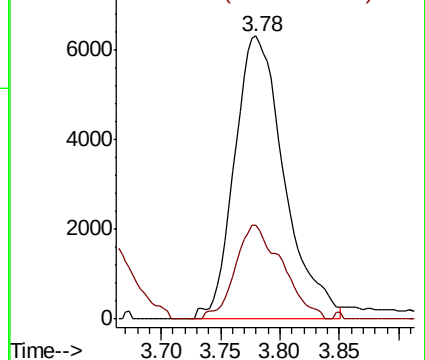
43 100

58 33.3 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062295.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062295.D (-529) (-)



#17

Carbon Disulfide

Concen: 0.363 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062295.D

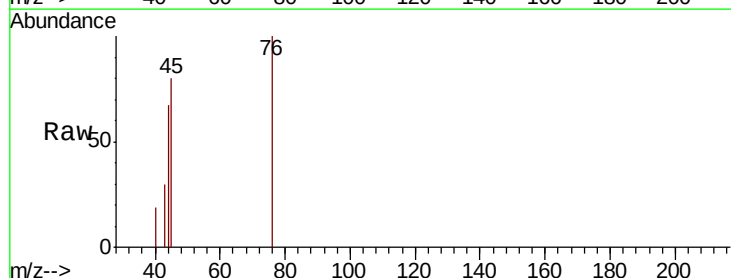
Acq: 1 Jul 2020 16:30

Tgt Ion: 76 Resp: 2152

Ion Ratio Lower Upper

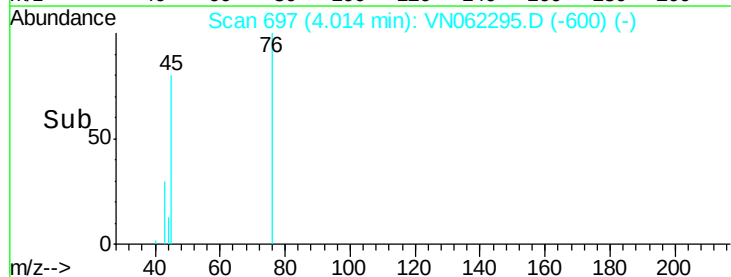
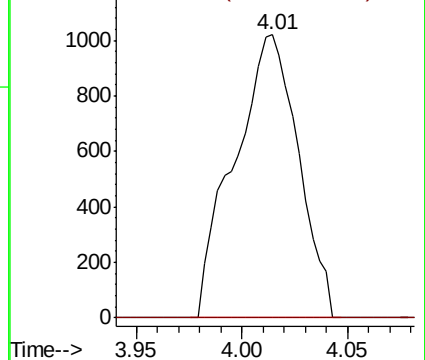
76 100

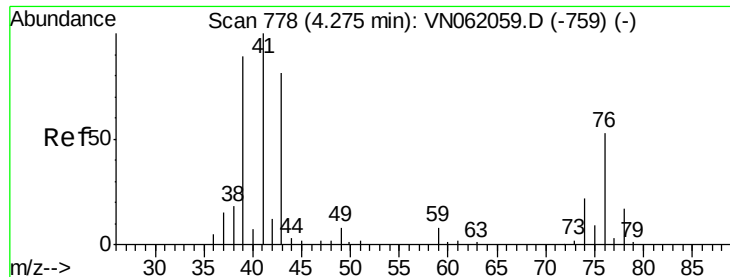
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN062295.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062295.D (-600) (-)

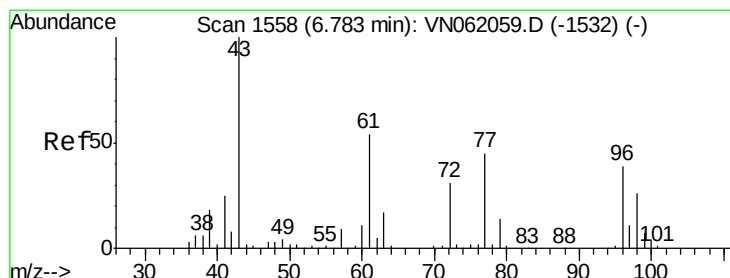
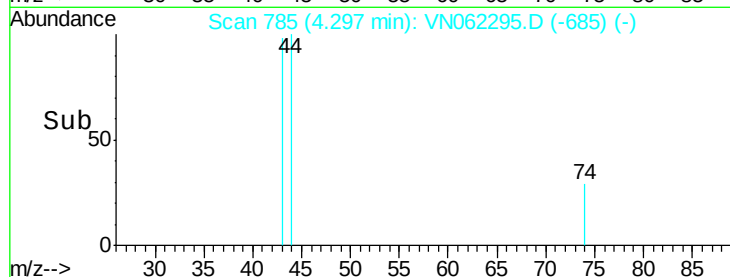
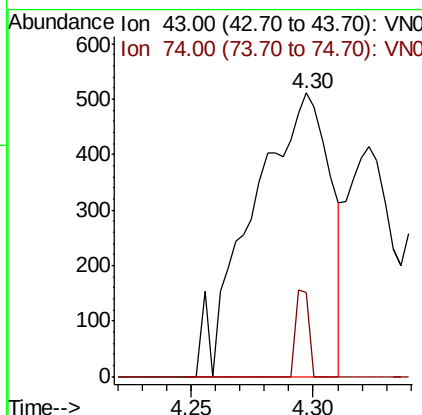
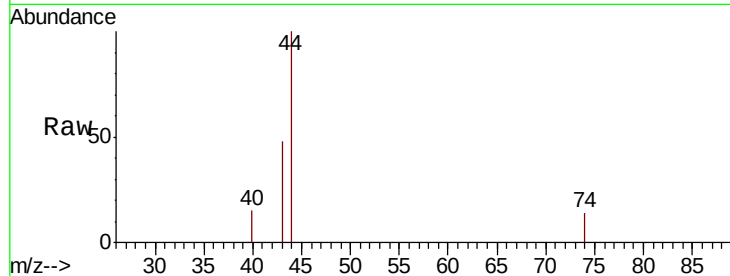




#18
Methvl Acetate
Concen: 0.482 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.02 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

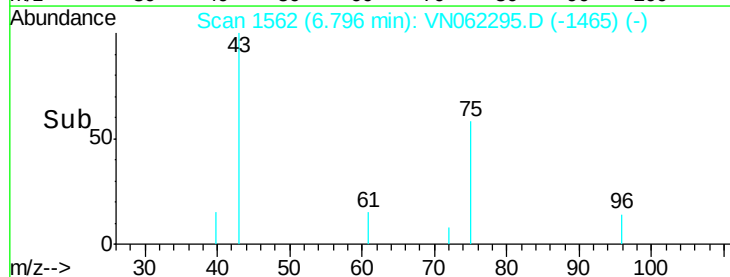
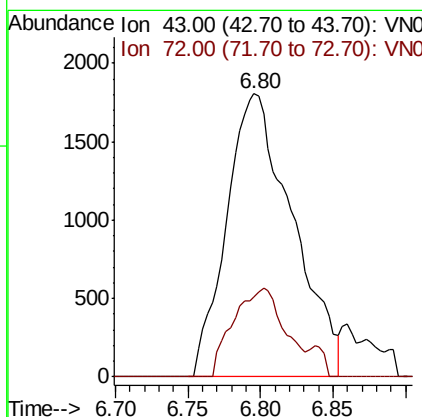
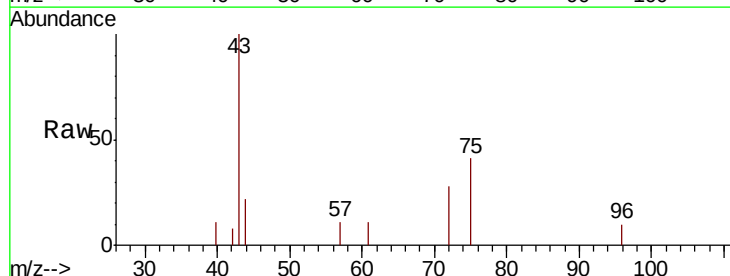
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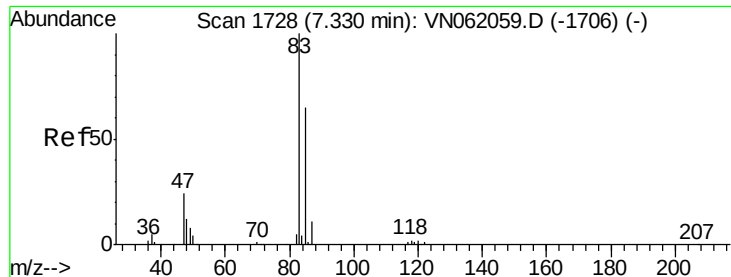
Tot Ion: 43 Resp: 1124
Ion Ratio Lower Upper
43 100
74 5.3 22.9 34.3#



#25
2-Butanone
Concen: 3.973 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

Tgt Ion: 43 Resp: 5699
Ion Ratio Lower Upper
43 100
72 28.4 24.8 37.2

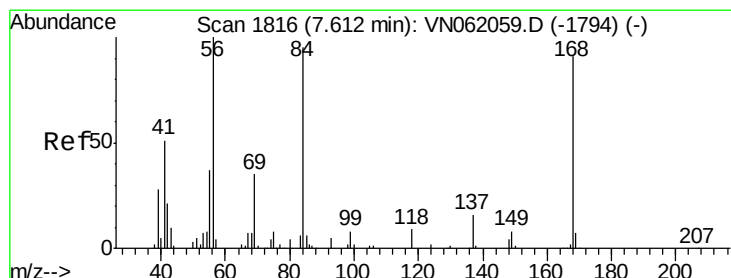
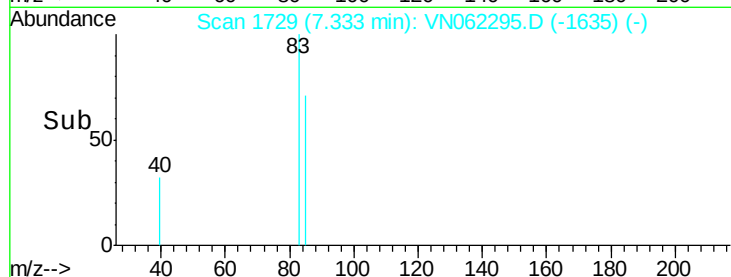
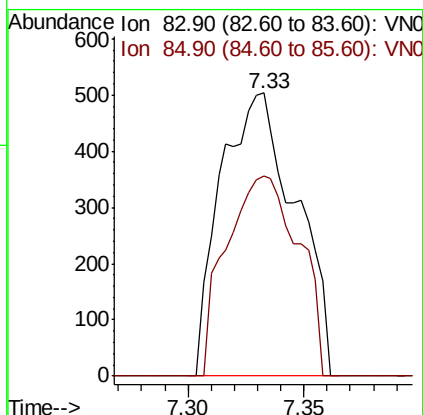
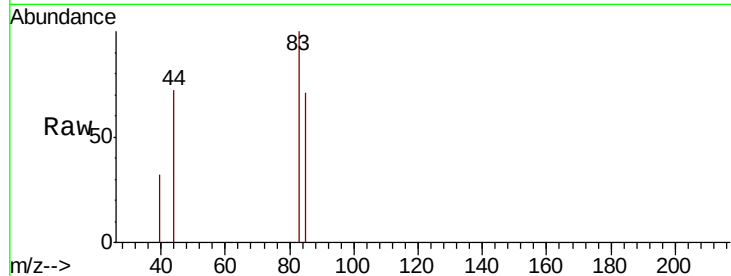




#30
Chloroform
Concen: 0.233 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

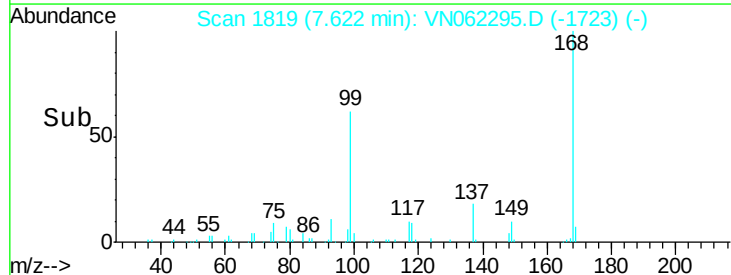
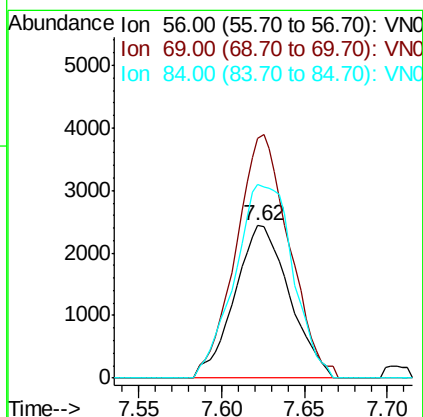
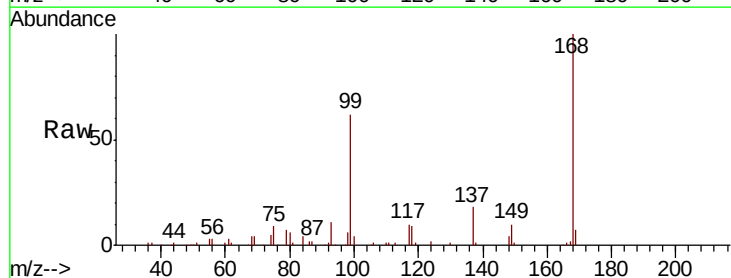
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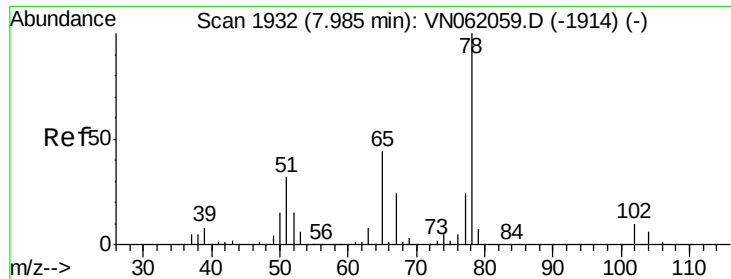
Tot Ion: 83 Resp: 1134
Ion Ratio Lower Upper
83 100
85 70.8 52.3 78.5



#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

Tgt Ion: 56 Resp: 5623
Ion Ratio Lower Upper
56 100
69 157.5 28.0 42.0#
84 127.0 76.1 114.1#

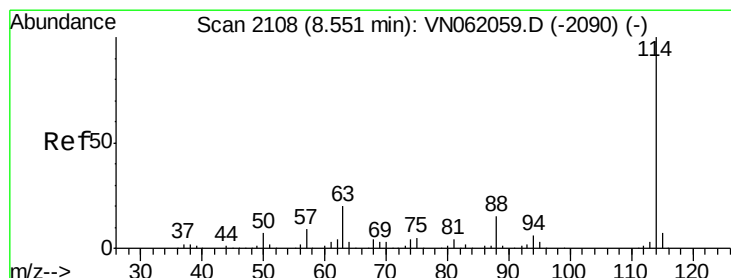
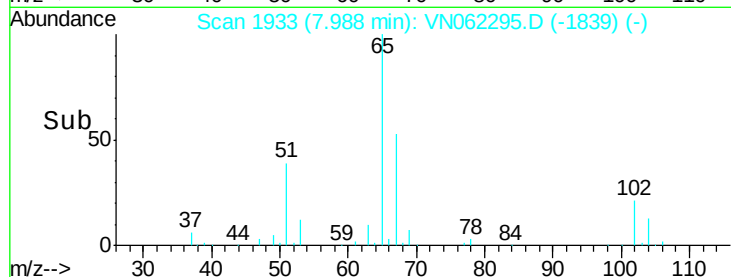
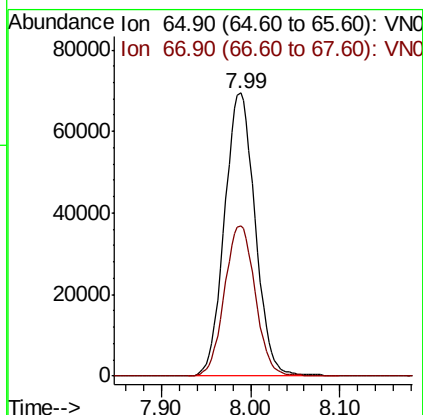
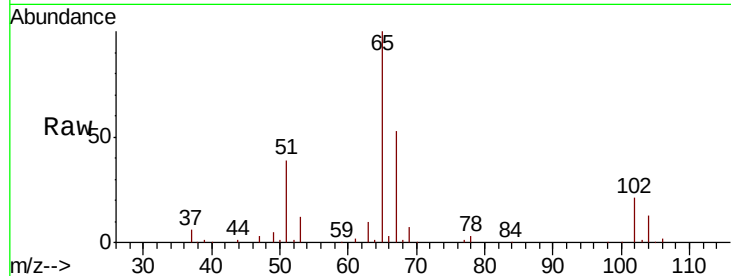




#33
 1,2-Dichloroethane-d4
 Concen: 56.322 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062295.D
 Acq: 1 Jul 2020 16:30

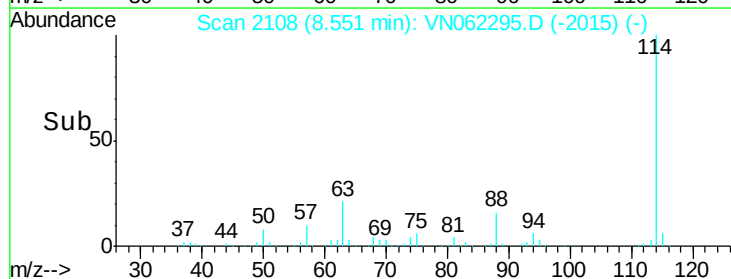
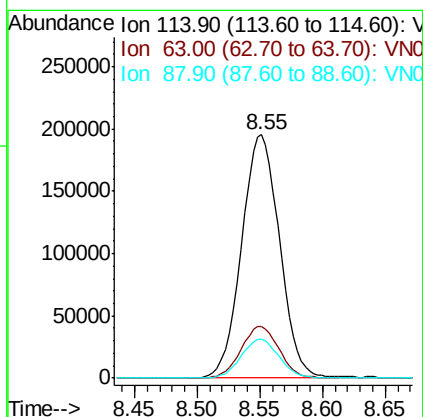
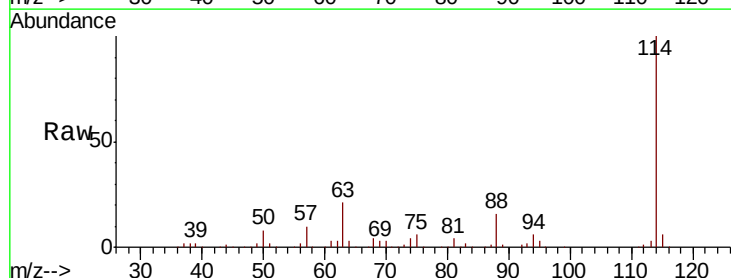
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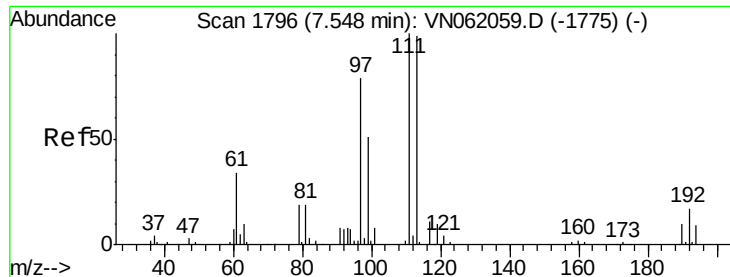
Tot Ion: 65 Resp: 165298
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062295.D
 Acq: 1 Jul 2020 16:30

Tgt Ion: 114 Resp: 412186
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.2
 88 16.0 0.0 30.8

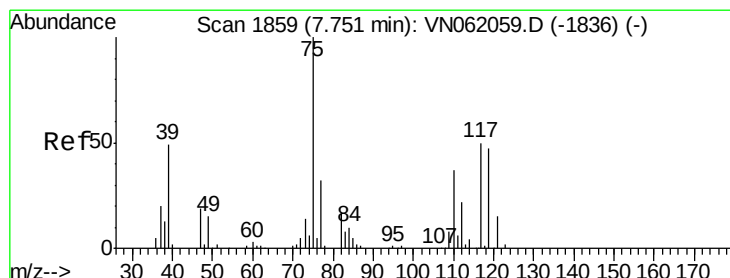
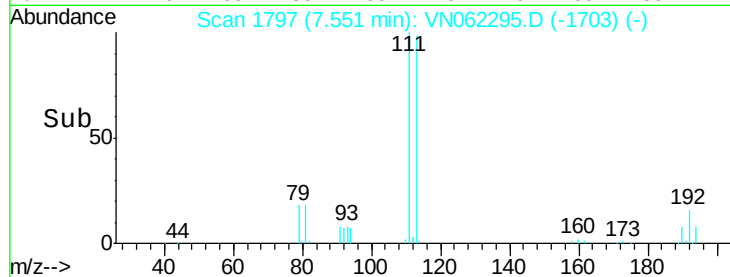
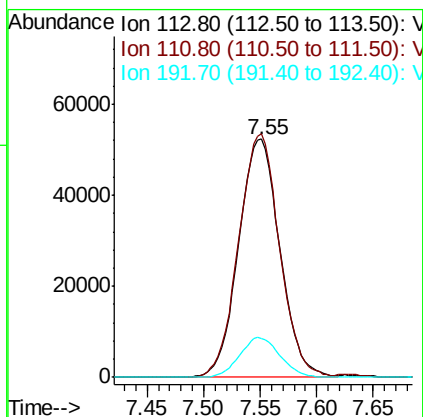
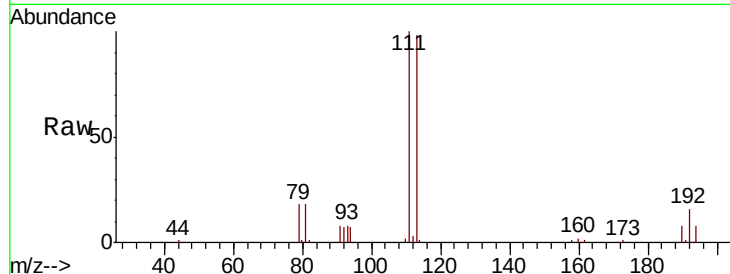




#35
Dibromofluoromethane
Concen: 50.234 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

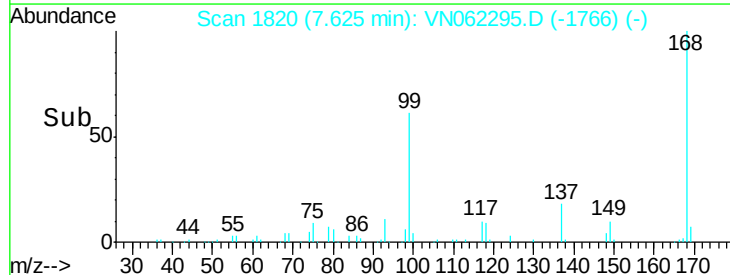
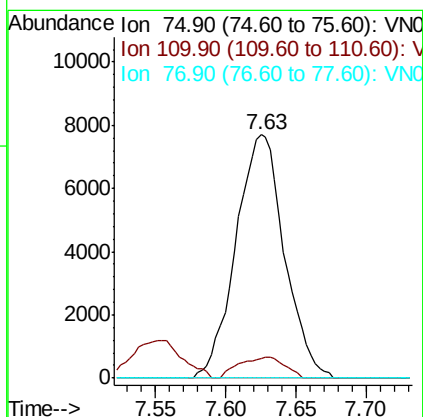
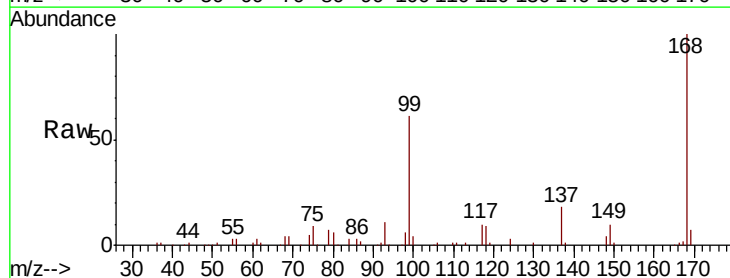
Instrument :
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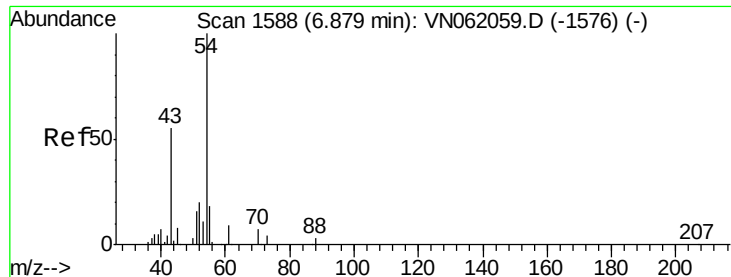
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.4
192	16.4	14.0	21.0



#36
1,1-Dichloropropene
Concen: 4.460 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.9	53.8#
77	0.0	24.9	37.3#

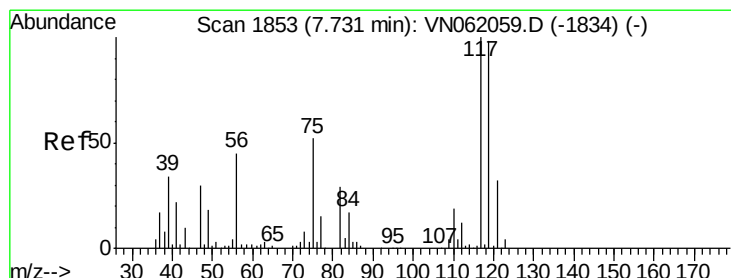
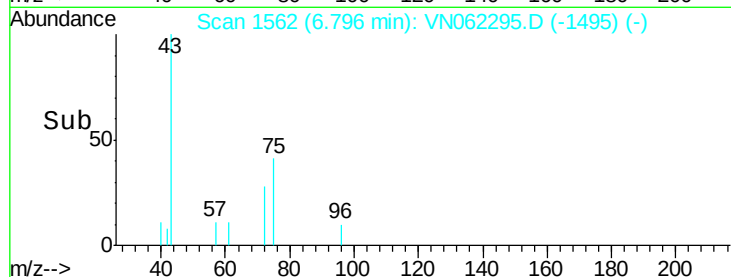
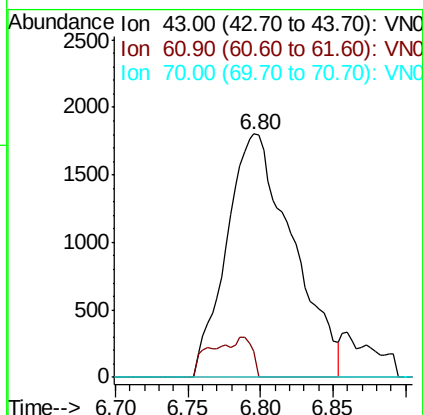
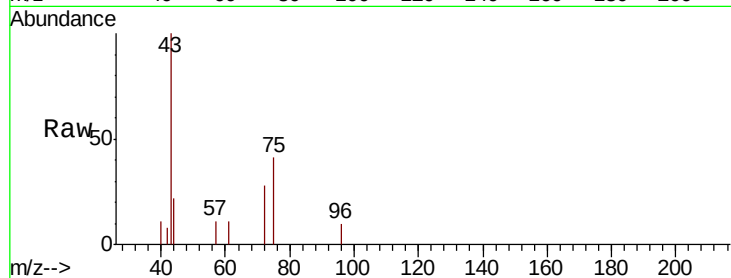




#37
Ethyl Acetate
Concen: 1.661 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.08 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

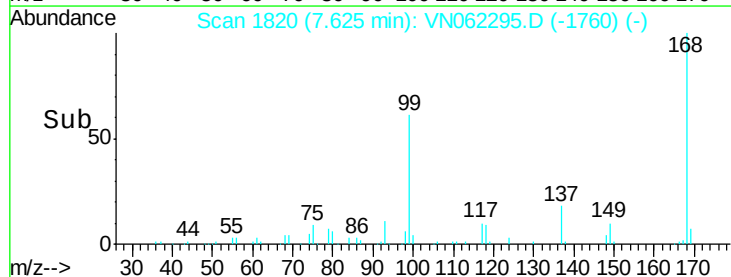
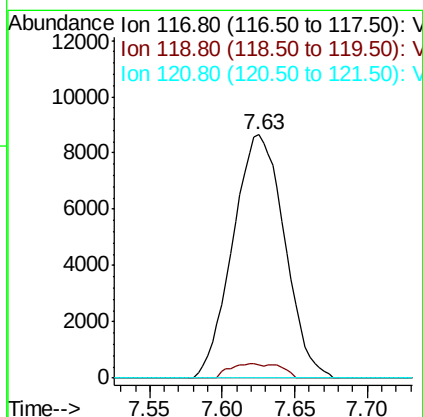
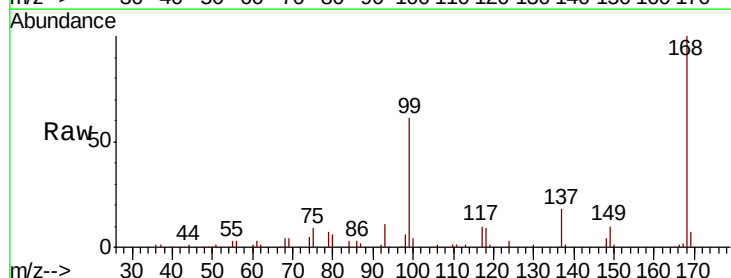
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-568-570

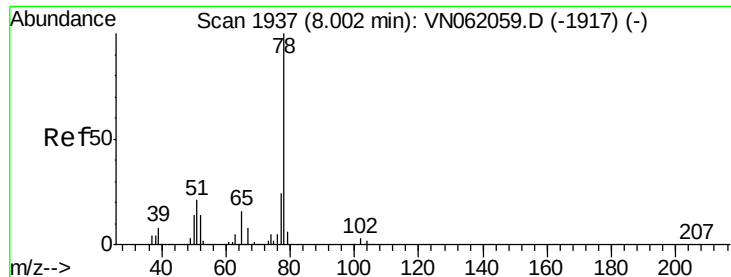
Tot Ion: 43 Resp: 5699
Ion Ratio Lower Upper
43 100
61 10.1 12.0 18.0#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 5.503 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

Tgt Ion: 117 Resp: 21495
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 25.8 38.6#





#40

Benzene

Concen: 0.551 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

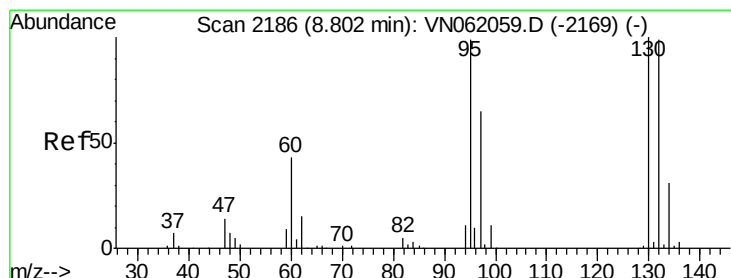
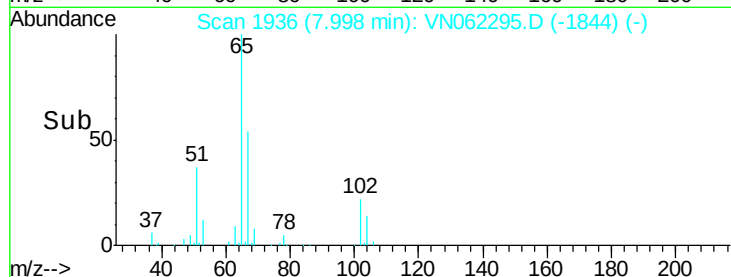
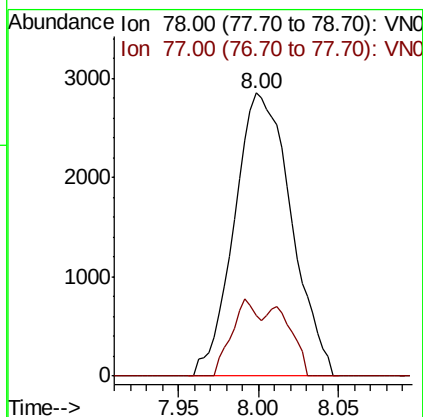
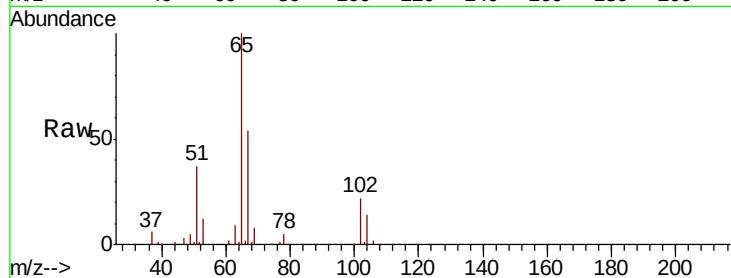
BP-MW180-GW-568-570

Tot Ion: 78 Resp: 6952

Ion Ratio Lower Upper

78 100

77 21.3 19.5 29.3



#44

Trichloroethene

Concen: 2.537 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062295.D

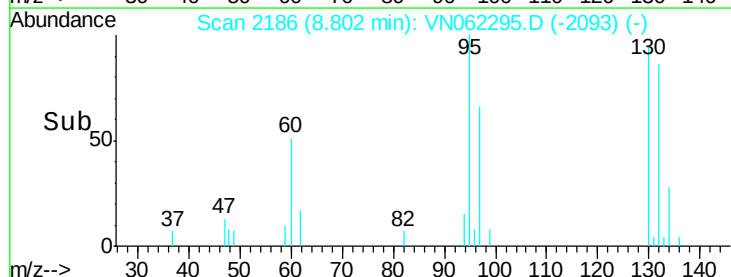
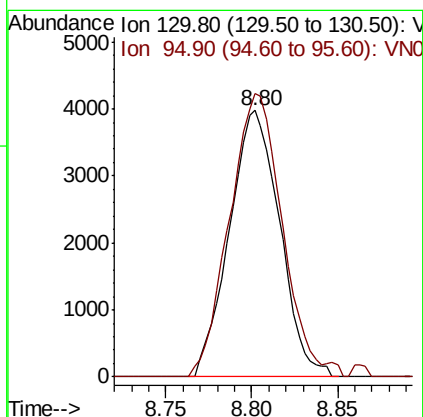
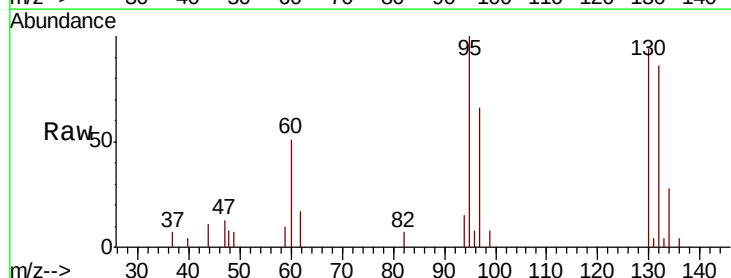
Acq: 1 Jul 2020 16:30

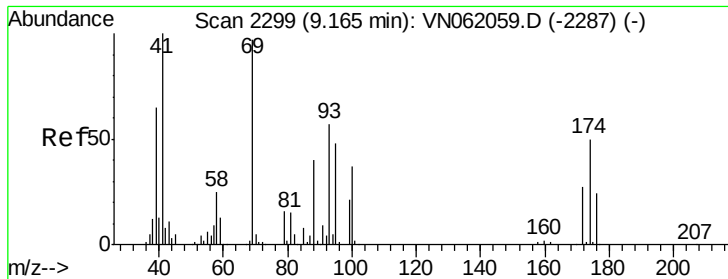
Tgt Ion: 130 Resp: 8083

Ion Ratio Lower Upper

130 100

95 106.2 0.0 197.8

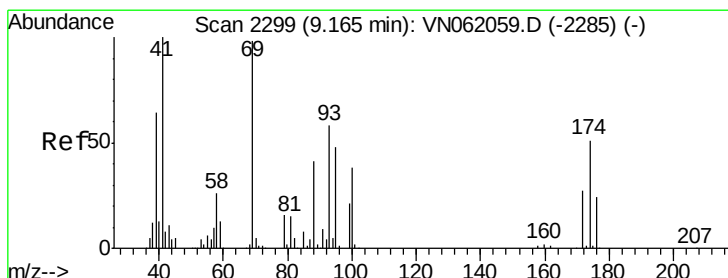
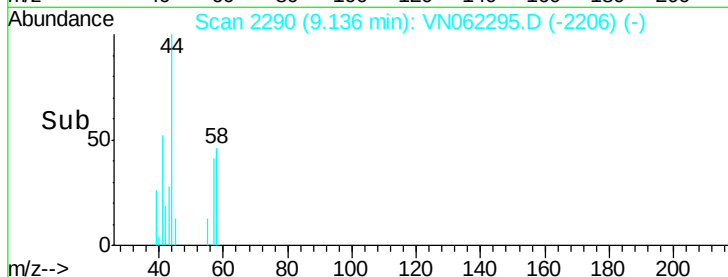
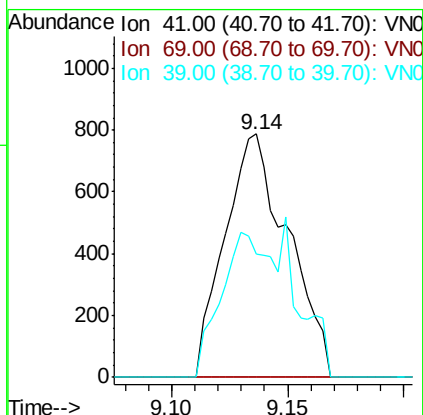
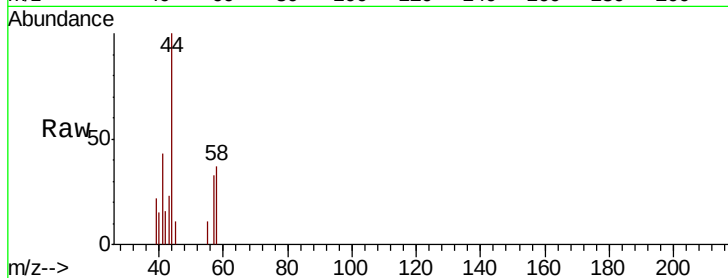




#48
Methvl methacrylate
Concen: 0.594 ug/l
RT: 9.14 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

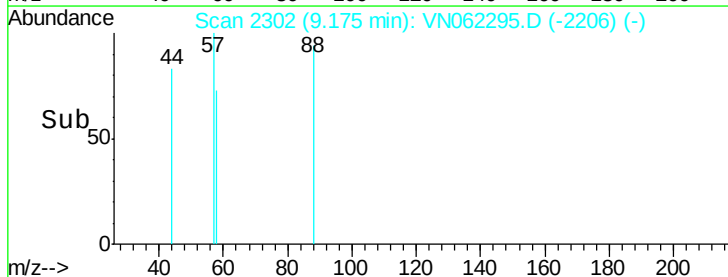
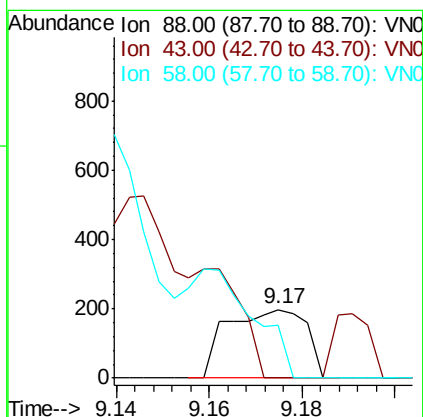
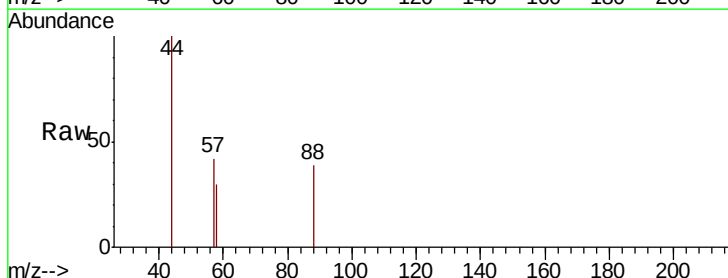
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-568-570

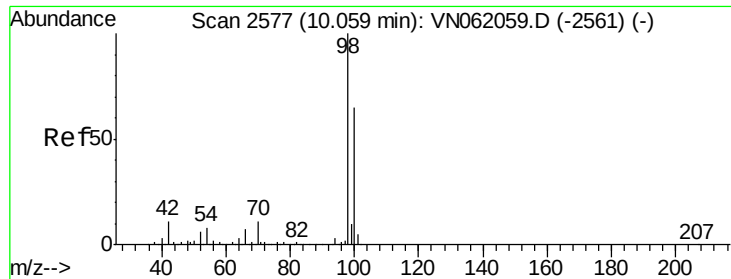
Tot Ion: 41 Resp: 1490
Ion Ratio Lower Upper
41 100
69 0.0 80.7 121.1#
39 43.7 54.5 81.7#



#49
1,4-Dioxane
Concen: 4.244 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
43 0.0 22.0 33.0#
58 0.0 49.2 73.8#

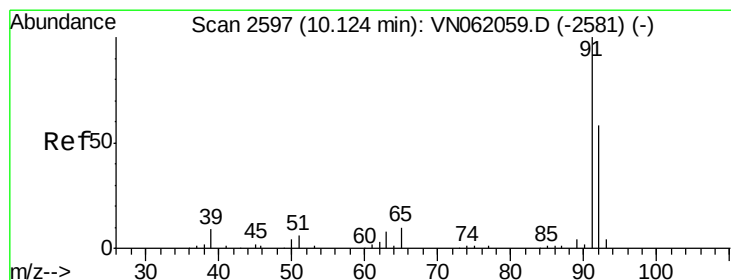
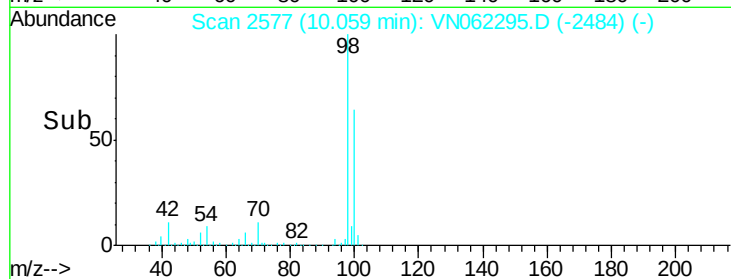
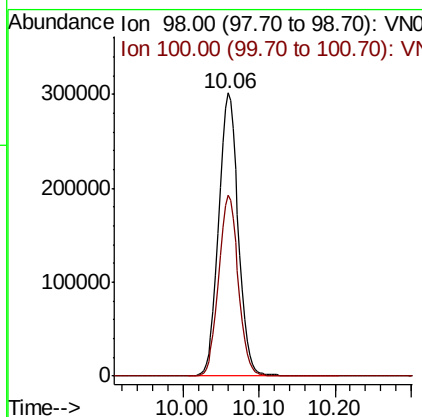
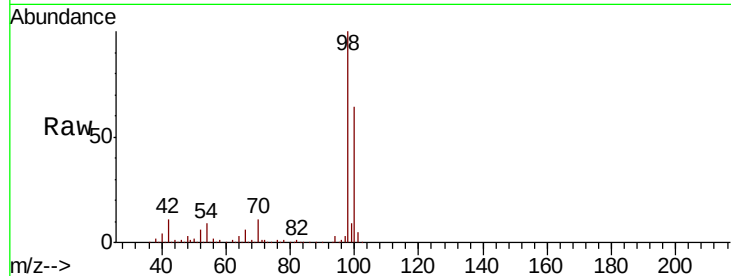




#50
Toluene-d8
Concen: 51.042 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

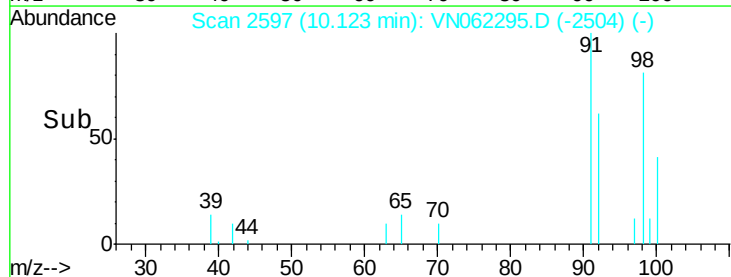
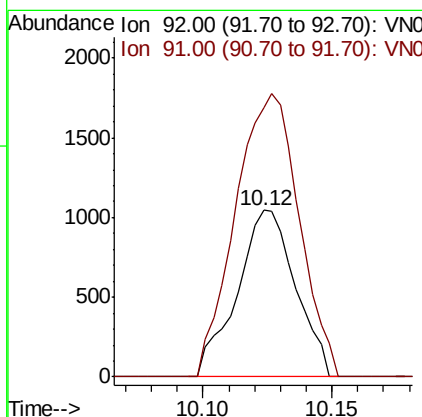
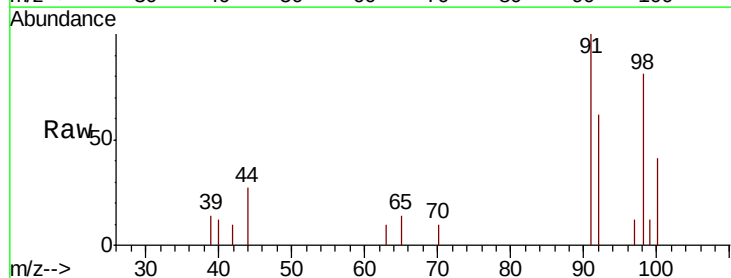
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-568-570

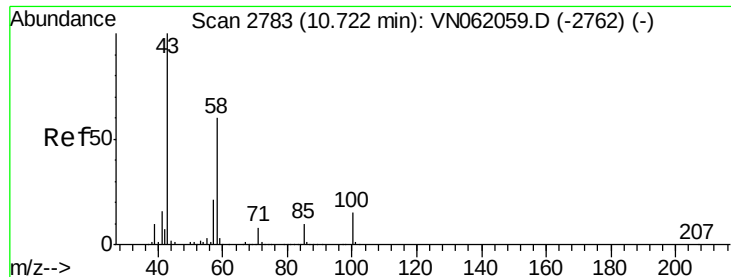
Tot Ion: 98 Resp: 539539
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



#52
Toluene
Concen: 0.214 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

Tgt Ion: 92 Resp: 1650
Ion Ratio Lower Upper
92 100
91 185.5 137.4 206.0





#59

2-Hexanone

Concen: 0.527 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

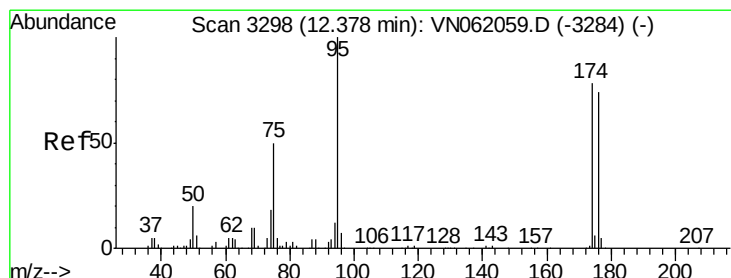
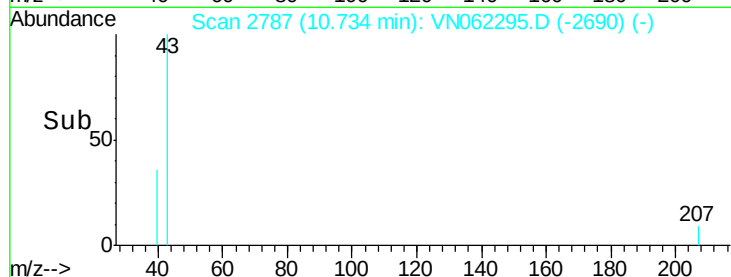
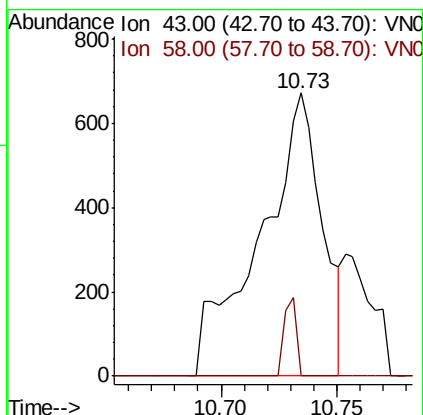
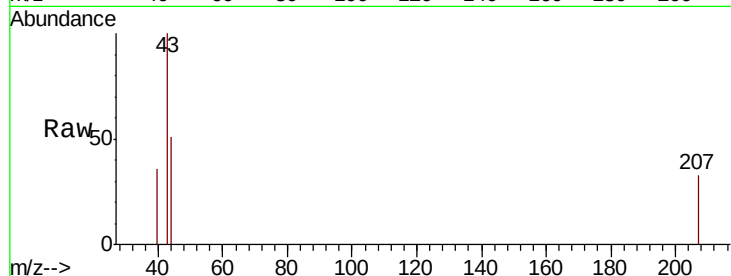
BP-MW180-GW-568-570

Tot Ion: 43 Resp: 1243

Ion Ratio Lower Upper

43 100

58 5.3 29.5 88.5#



#62

4-Bromofluorobenzene

Concen: 48.305 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

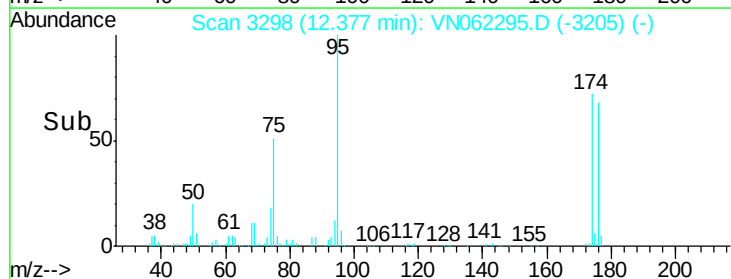
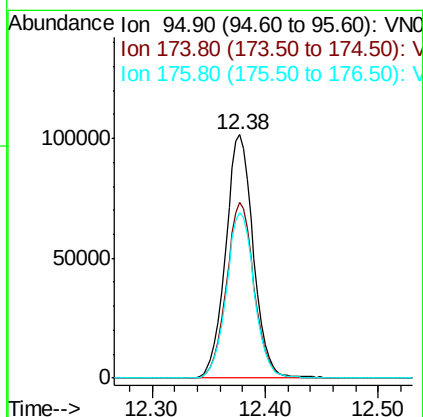
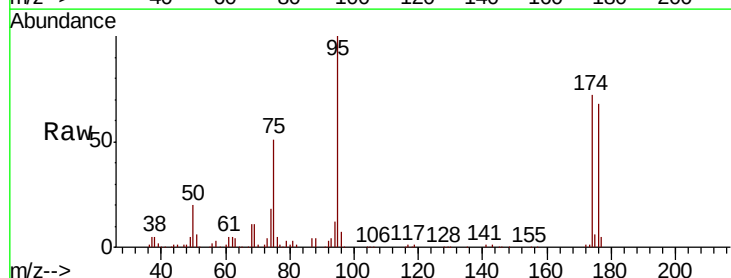
Tgt Ion: 95 Resp: 172512

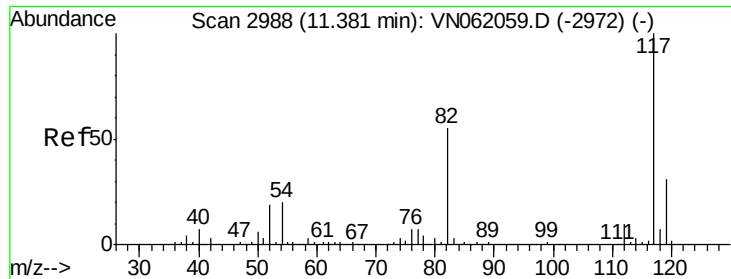
Ion Ratio Lower Upper

95 100

174 72.3 0.0 154.8

176 68.6 0.0 147.4

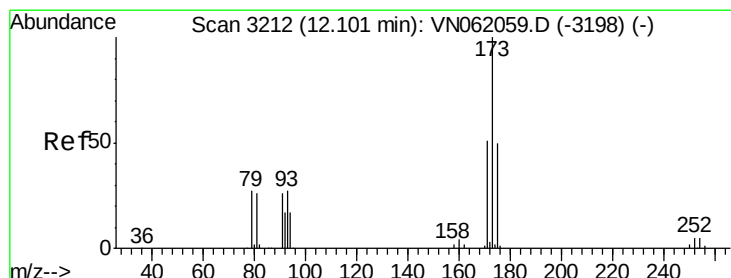
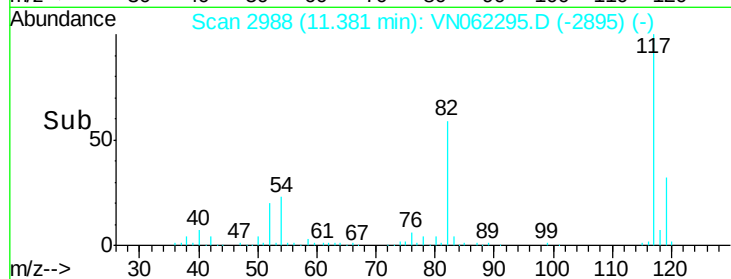
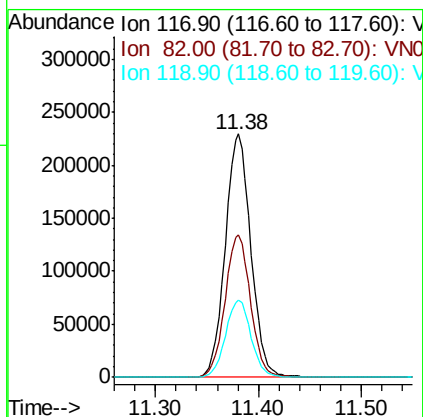
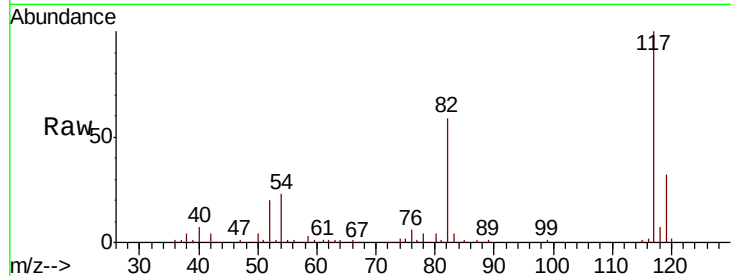




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

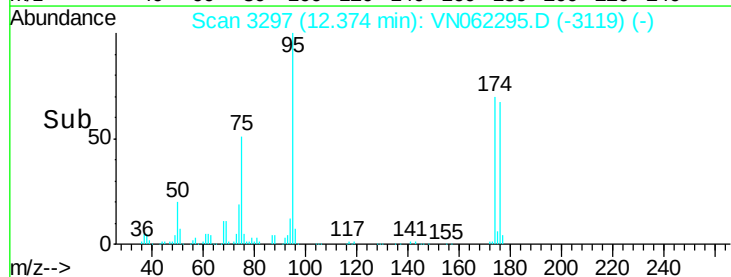
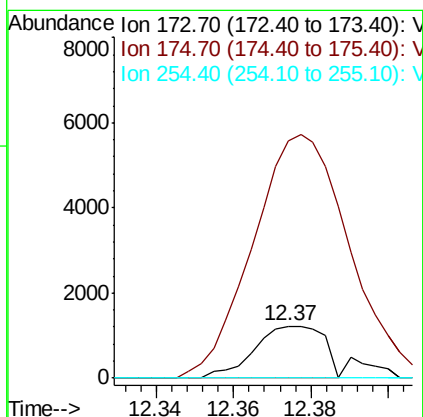
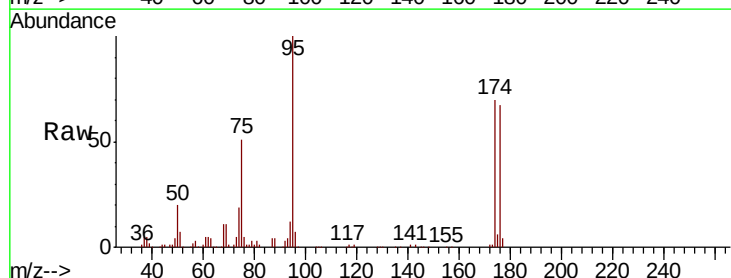
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-568-570

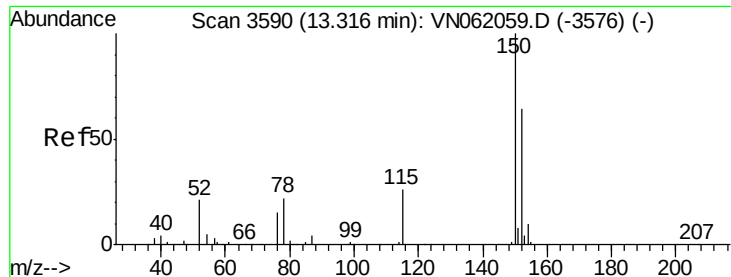
Tot Ion:117 Resp: 396702
Ion Ratio Lower Upper
117 100
82 58.5 43.8 65.8
119 31.7 25.2 37.8



#71
Bromoform
Concen: 0.715 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

Tgt Ion:173 Resp: 1531
Ion Ratio Lower Upper
173 100
175 536.1 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-GW-568-570

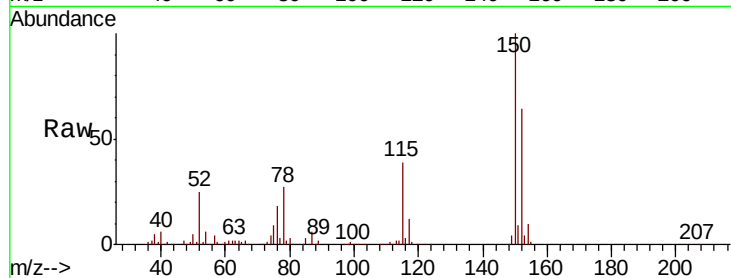
Tot Ion:152 Resp: 141639

Ion Ratio Lower Upper

152 100

115 62.1 29.5 88.5

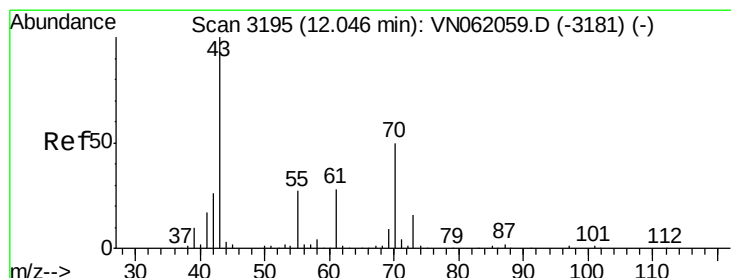
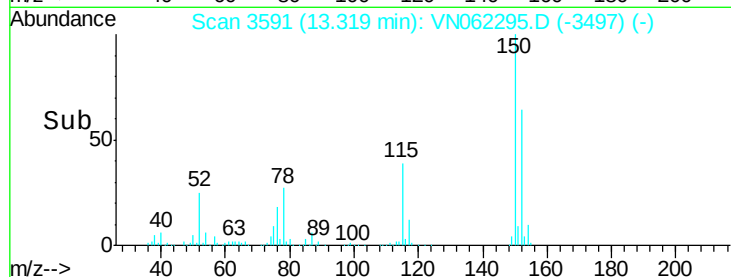
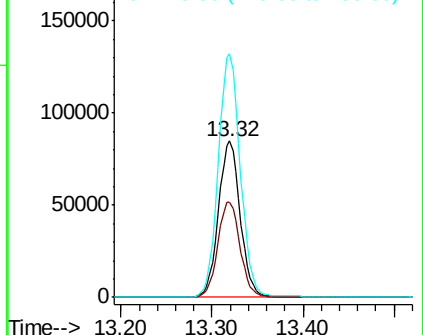
150 156.5 0.0 351.4



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: 3.366 ug/l

RT: 12.06 min Scan# 3199

Delta R.T. 0.01 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

Tgt Ion: 43 Resp: 100

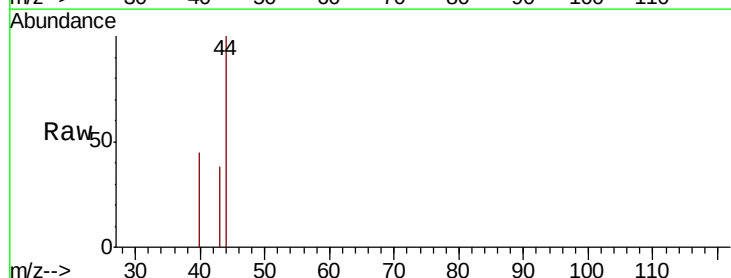
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

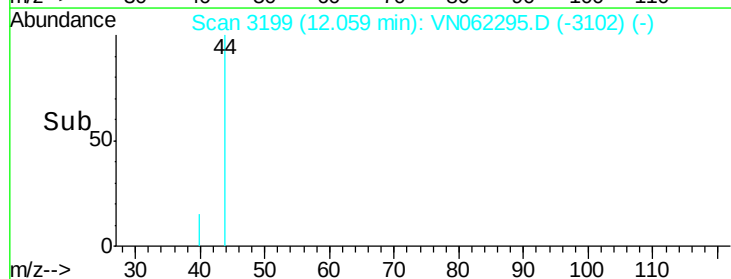
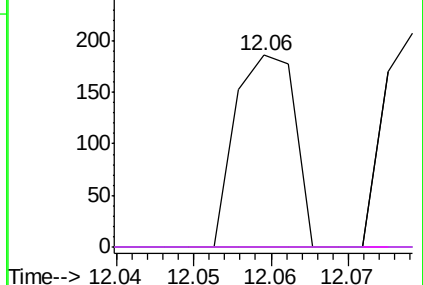


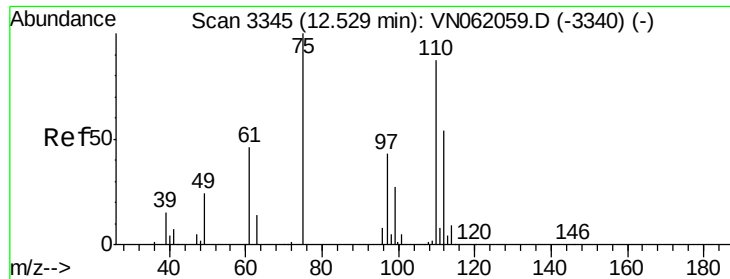
Abundance Ion 43.00 (42.70 to 43.70): V

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: 26.895 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

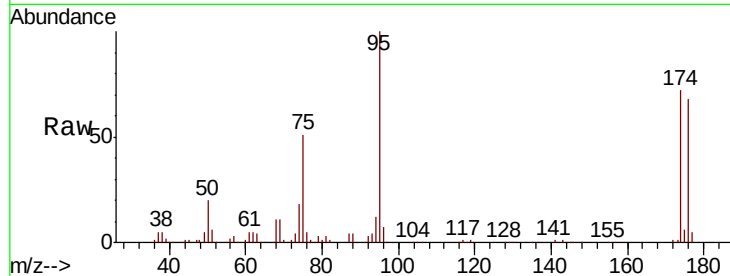
BP-MW180-GW-568-570

Tot Ion: 75 Resp: 89676

Ion Ratio Lower Upper

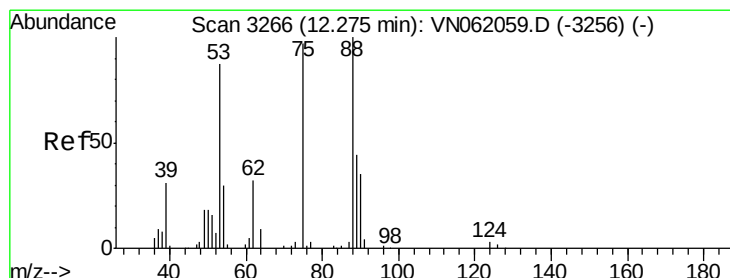
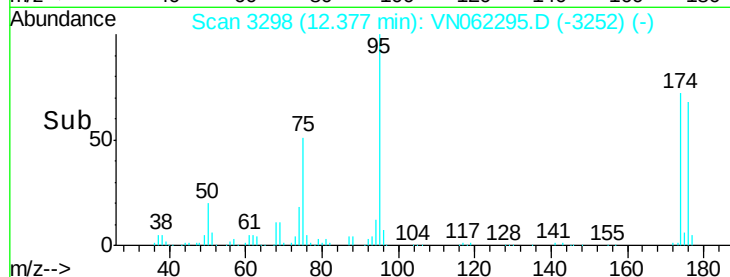
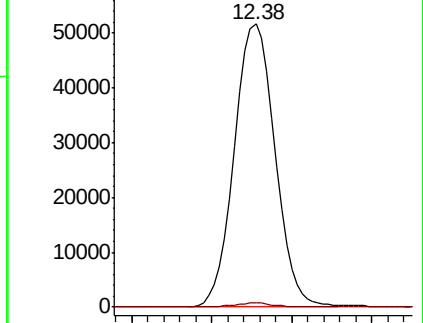
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062295.D (-3298) (-)

Ion 77.00 (76.70 to 77.70): VN062295.D (-3298) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 78.544 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062295.D

Acq: 1 Jul 2020 16:30

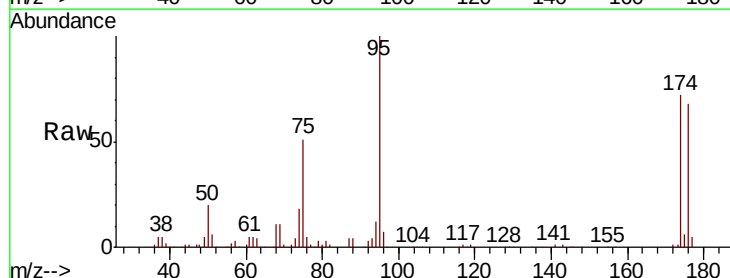
Tgt Ion: 75 Resp: 89676

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

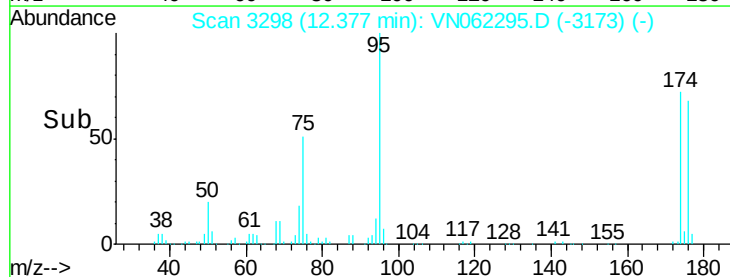
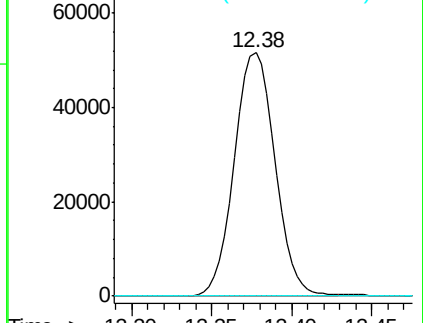
89 0.0 36.9 55.3#

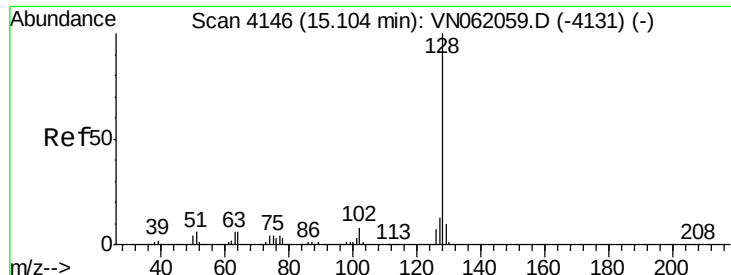


Abundance Ion 74.90 (74.60 to 75.60): VN062295.D (-3298) (-)

Ion 53.00 (52.70 to 53.70): VN062295.D (-3298) (-)

Ion 88.90 (88.60 to 89.60): VN062295.D (-3298) (-)

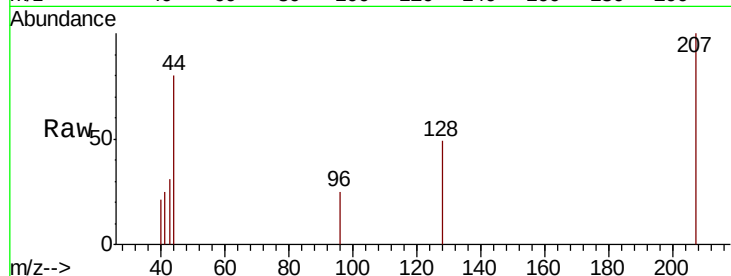




#95
Naphthalene
Concen: 4.063 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062295.D
Acq: 1 Jul 2020 16:30

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-GW-568-570

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#



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

