

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063038.D
 Acq On : 20 Aug 2020 16:00
 Operator : JC/MD
 Sample : L3766-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 200819055-01-TRIP-BLANK

Quant Time: Aug 21 05:42:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	30528	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	147648	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	136372	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	66789	30.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.93%
60) 4-Bromofluorobenzene	12.38	95	49282	22.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.23%
63) Toluene-d8	10.06	98	182478	29.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.20%

Target Compounds

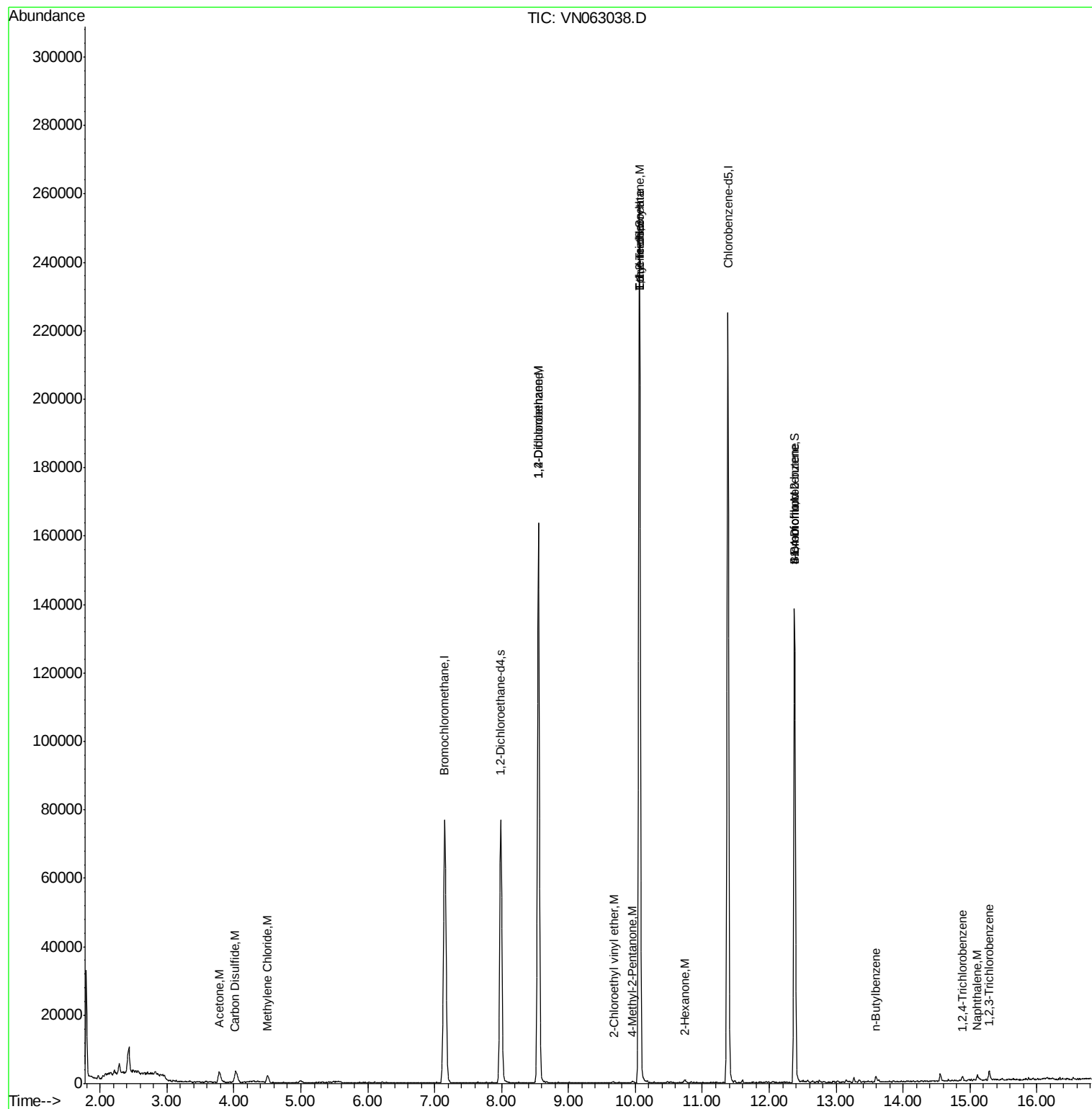
					Ovalue
15) Acetone	3.78	58	1951	8.107 ug/l #	66
16) Carbon Disulfide	4.00	76	1006	0.263 ug/l #	76
18) Methylene Chloride	4.50	84	1573	0.789 ug/l #	80
36) 1,2-Dichloroethane	8.55	62	4382	1.869 ug/l #	74
50) 1,1,2-Trichloroethane	10.07	97	6789	3.792 ug/l #	1
51) Ethyl methacrylate	10.07	69	663	0.272 ug/l #	78
55) 2-Chloroethyl vinyl ether	9.66	63	142	0.284 ug/l #	46
56) Bromoform	12.38	173	452	0.314 ug/l #	1
58) 4-Methyl-2-Pentanone	9.95	43	641	0.327 ug/l #	43
59) 2-Hexanone	10.73	43	408	0.292 ug/l #	34
77) t-1,4-Dichloro-2-butene	12.38	75	24193	31.191 ug/l #	12
85) n-Butylbenzene	13.60	91	1448	0.258 ug/l #	91
89) 1,2,4-Trichlorobenzene	14.89	180	862	0.502 ug/l #	76
91) Naphthalene	15.11	128	2341	0.617 ug/l #	73
92) 1,2,3-Trichlorobenzene	15.29	180	1185	0.692 ug/l	90

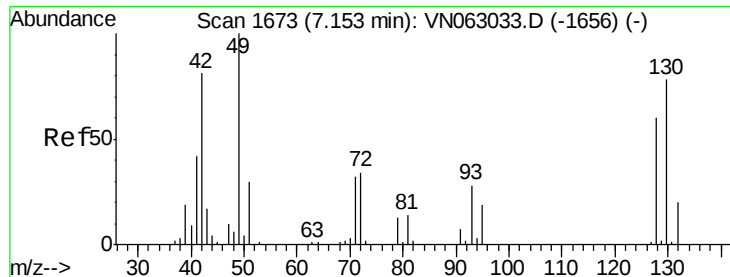
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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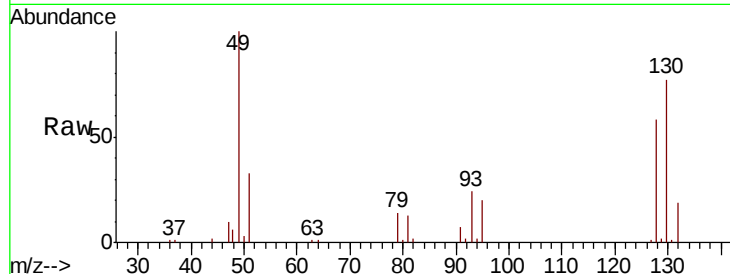




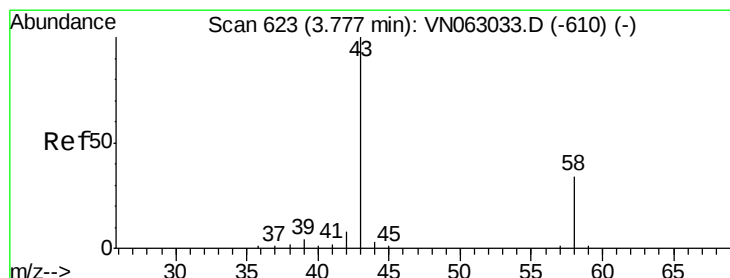
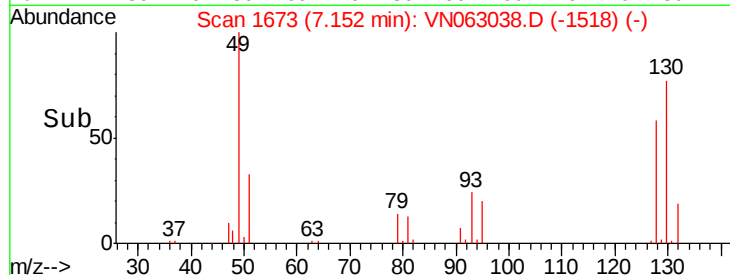
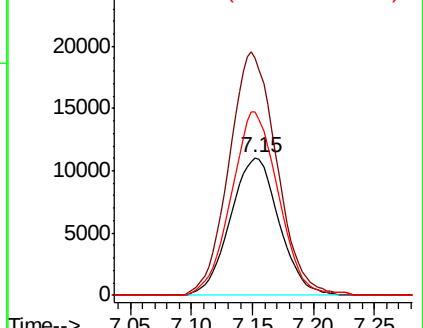
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 200819055-01-TRIP-BLANK

Tot Ion:128 Resp: 30528
 Ion Ratio Lower Upper
 128 100
 49 173.9 0.0 437.5
 130 129.4 0.0 327.3

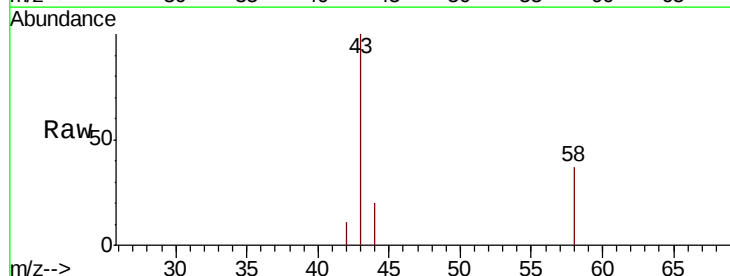


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

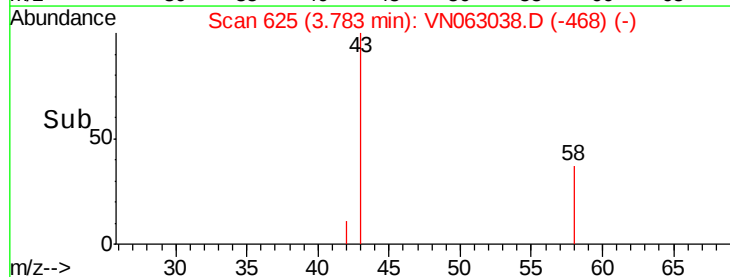
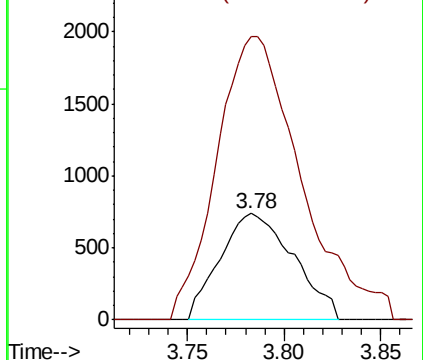


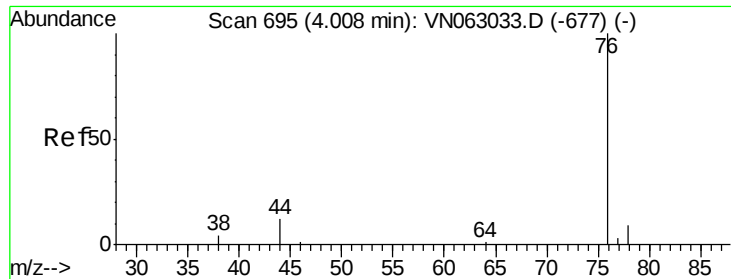
#15
 Acetone
 Concen: 8.107 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

Tgt Ion: 58 Resp: 1951
 Ion Ratio Lower Upper
 58 100
 43 225.2 233.2 349.8#



Abundance Ion 58.00 (57.70 to 58.70): VN
 Ion 43.00 (42.70 to 43.70): VN

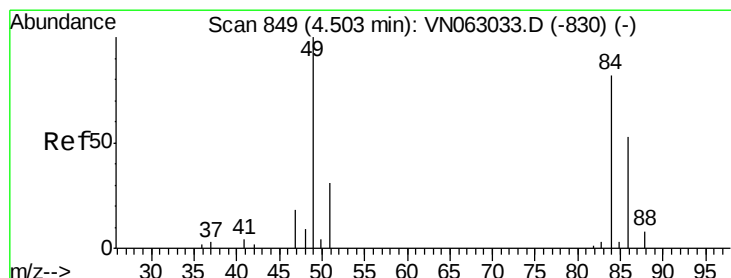
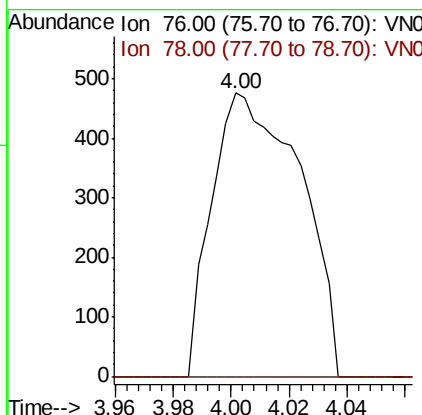
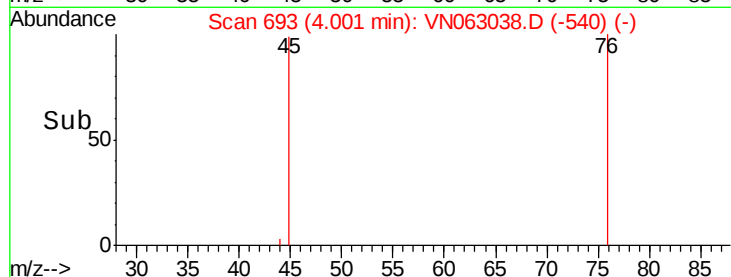
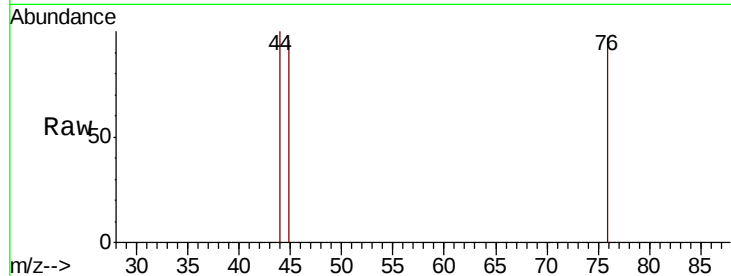




#16
Carbon Disulfide
Concen: 0.263 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.01 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

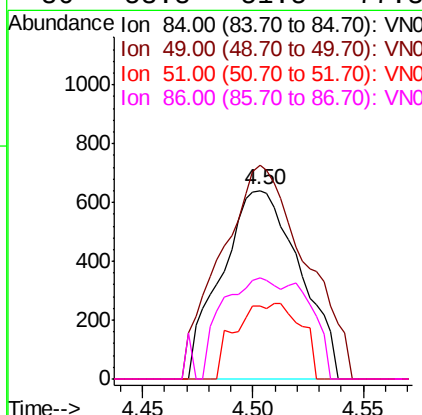
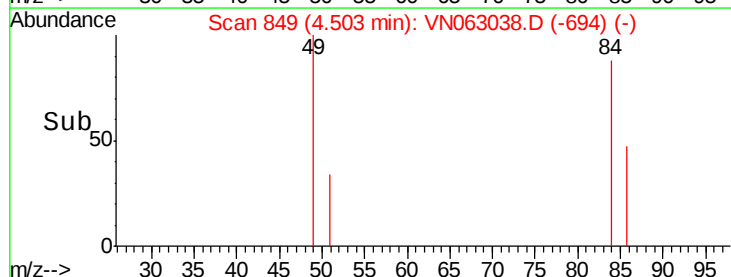
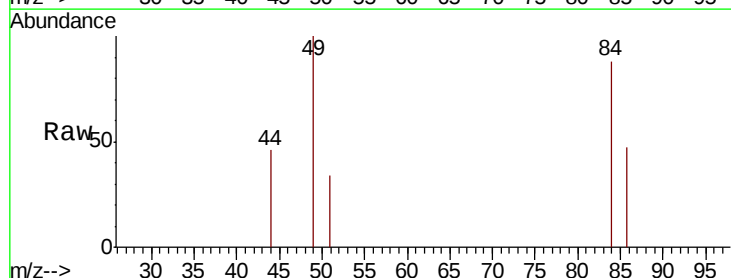
Instrument :
MSVOA_N
ClientSampleId :
200819055-01-TRIP-BLANK

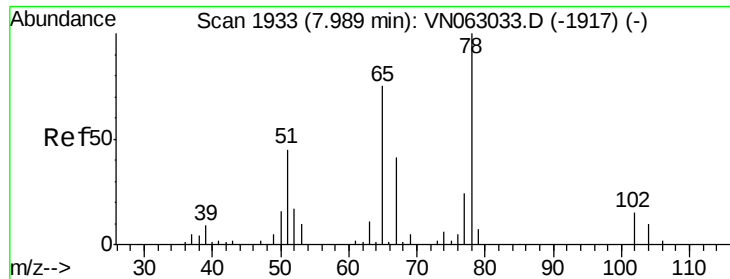
Tot Ion: 76 Resp: 1006
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methylene Chloride
Concen: 0.789 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

Tgt Ion: 84 Resp: 1573
Ion Ratio Lower Upper
84 100
49 88.9 97.8 146.8#
51 38.4 30.7 46.1
86 53.8 51.5 77.3

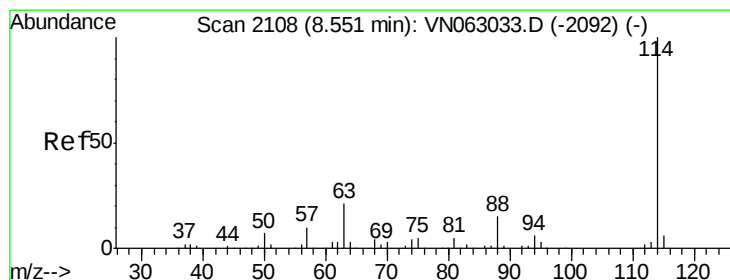
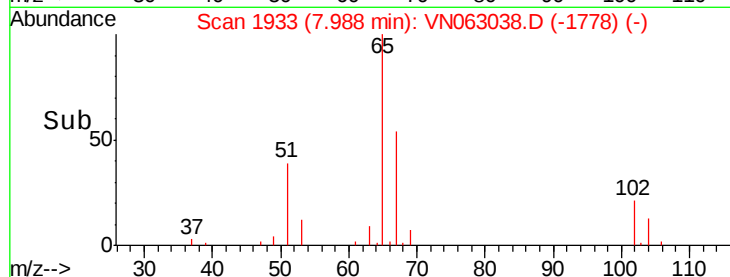
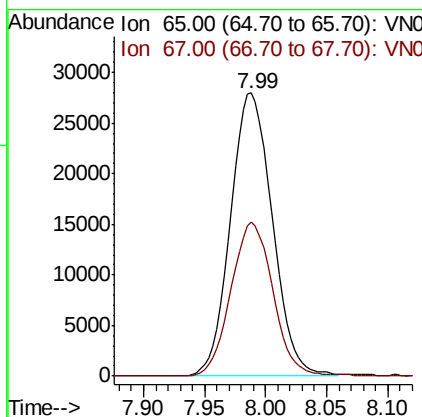
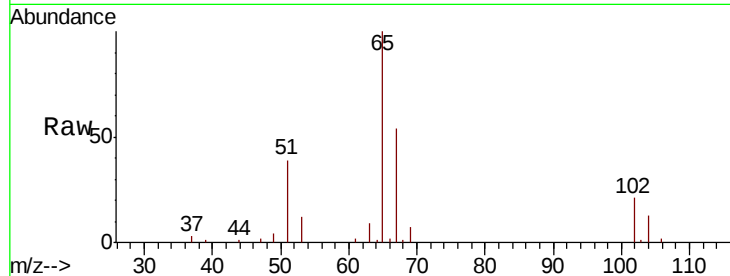




#27
 1,2-Dichloroethane-d4
 Concen: 30.878 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

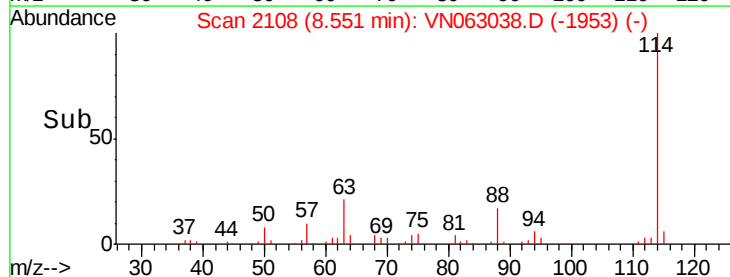
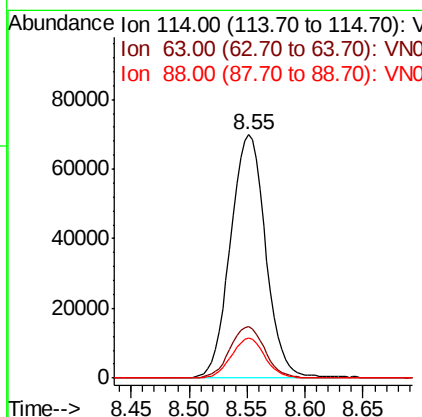
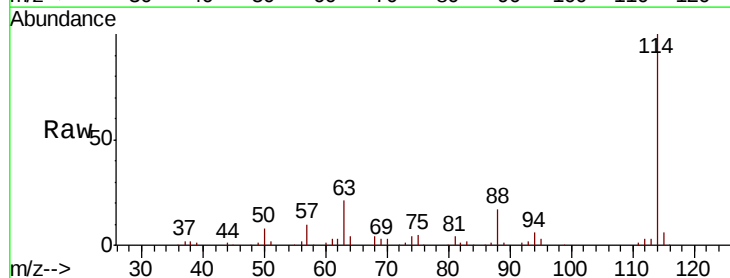
Instrument :
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 ClientSampleId :
 200819055-01-TRIP-BLANK

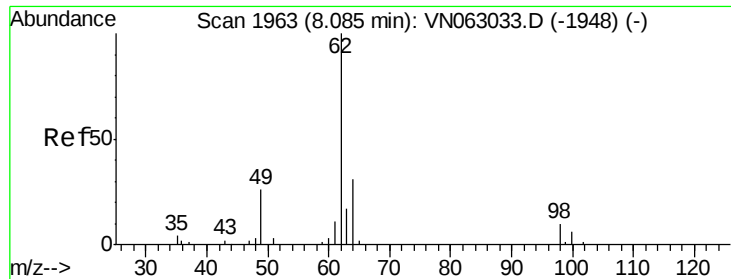
Tot Ion: 65 Resp: 66789
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.8 65.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

Tgt Ion: 114 Resp: 147648
 Ion Ratio Lower Upper
 114 100
 63 21.0 17.0 25.6
 88 15.5 12.6 18.8

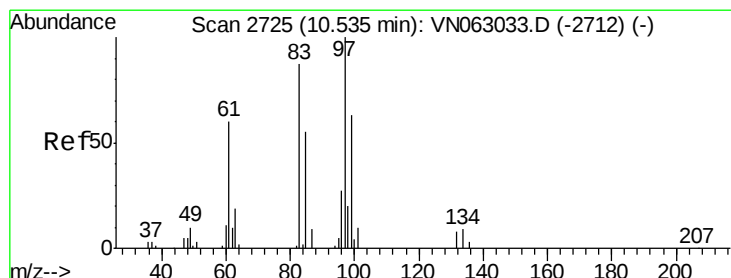
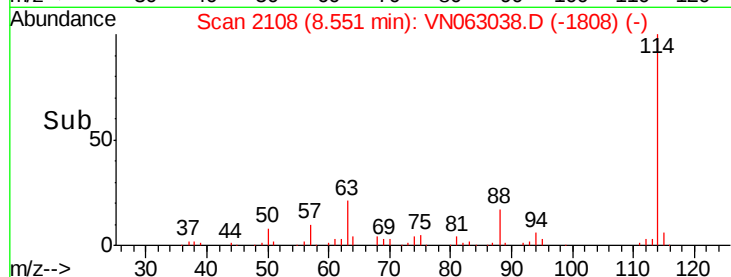
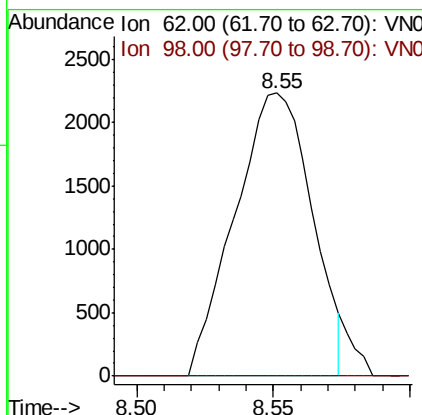
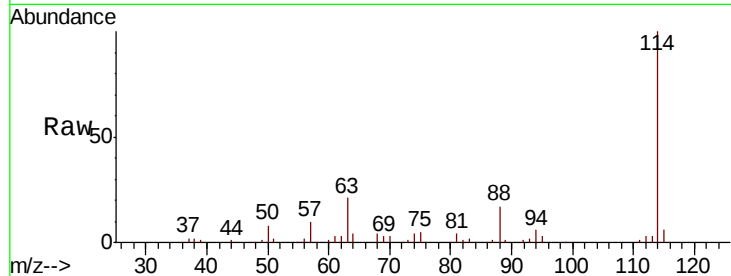




#36
 1,2-Dichloroethane
 Concen: 1.869 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.47 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

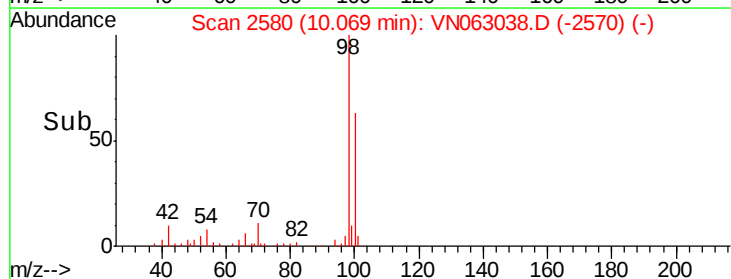
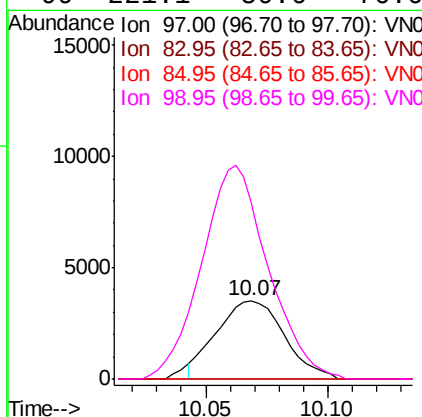
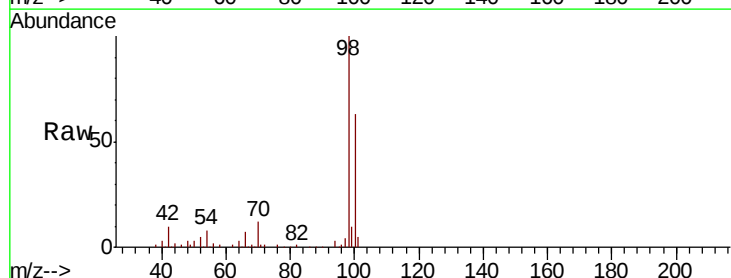
Instrument :
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 ClientSampleId :
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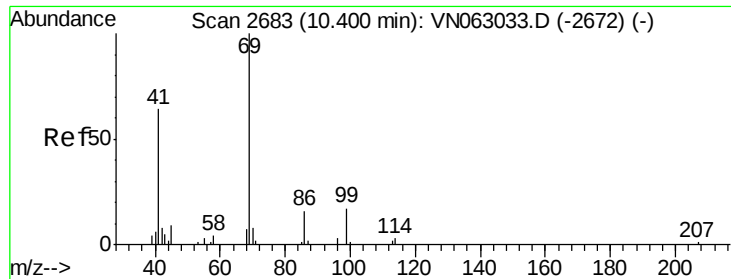
Tot Ion: 62 Resp: 4382
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#50
 1,1,2-Trichloroethane
 Concen: 3.792 ug/l
 RT: 10.07 min Scan# 2580
 Delta R.T. -0.47 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

Tgt Ion: 97 Resp: 6789
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.9 104.9#
 85 0.0 44.0 66.0#
 99 221.1 50.6 76.0#

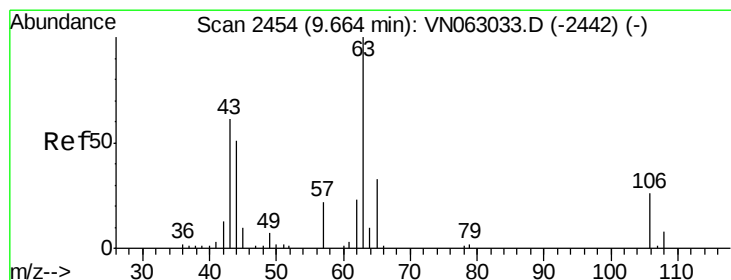
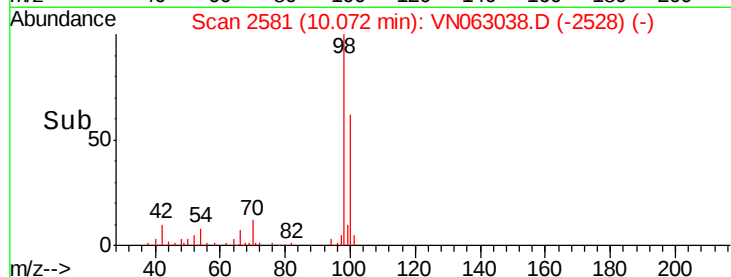
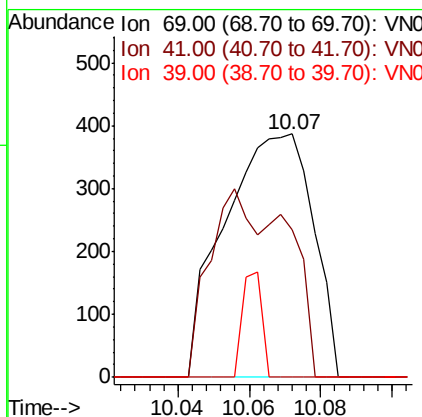
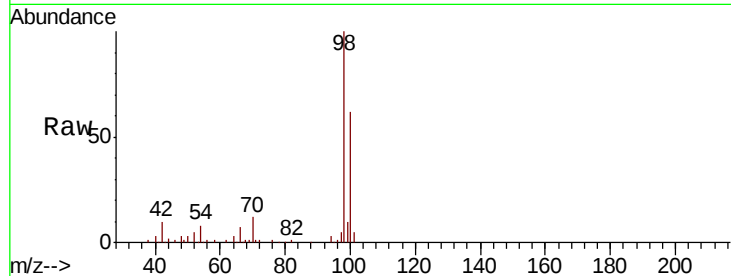




#51
Ethyl methacrylate
Concen: 0.272 ug/l
RT: 10.07 min Scan# 2581
Delta R.T. -0.33 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

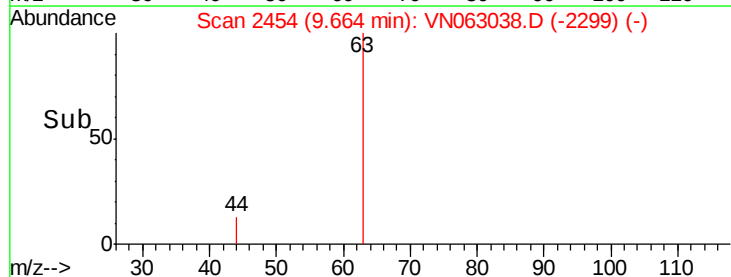
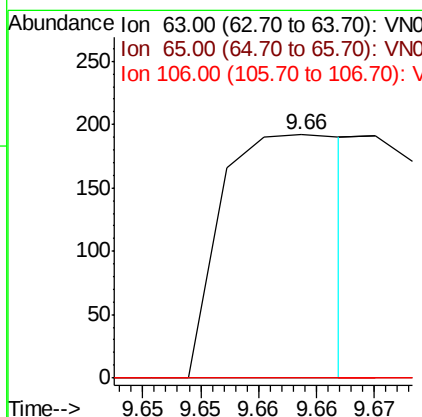
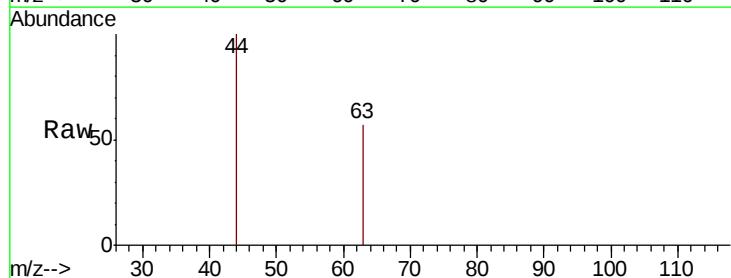
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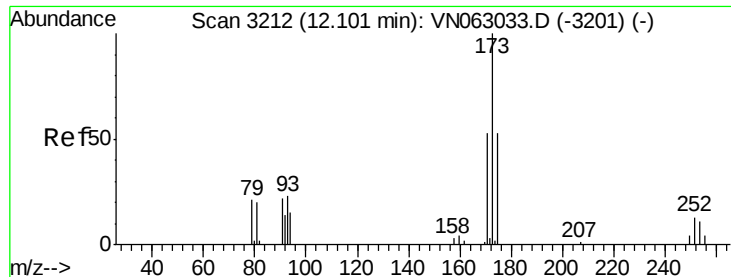
Tot Ion: 69 Resp: 663
Ion Ratio Lower Upper
69 100
41 60.7 32.1 96.5
39 0.0 16.1 48.3#



#55
2-Chloroethyl vinyl ether
Concen: 0.284 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

Tgt Ion: 63 Resp: 142
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#
106 0.0 19.9 29.9#

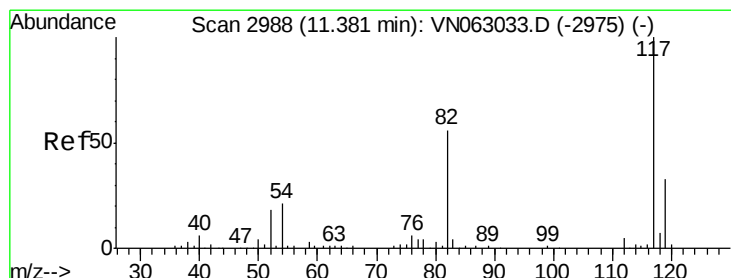
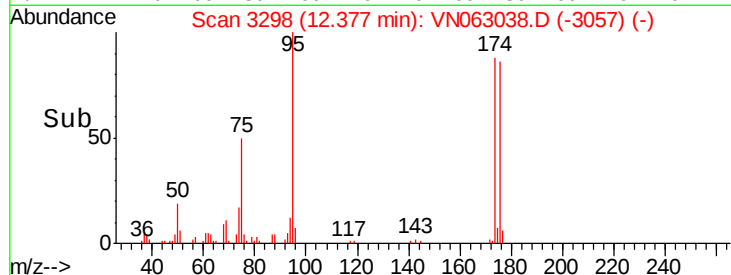
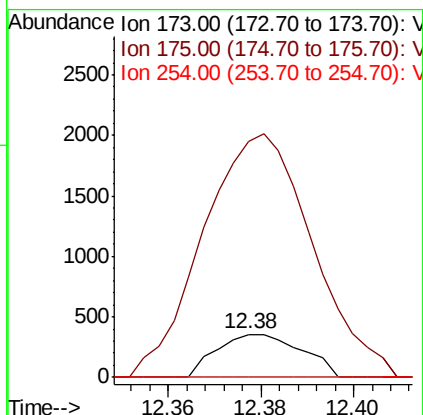
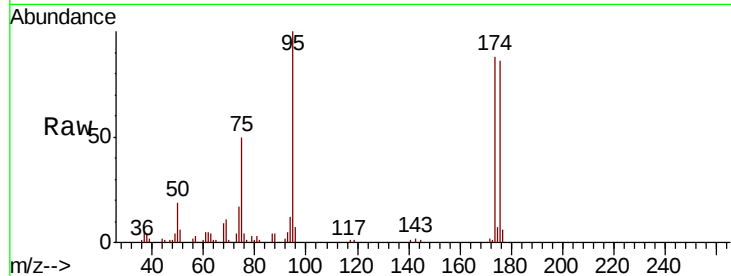




#56
Bromoform
Concen: 0.314 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

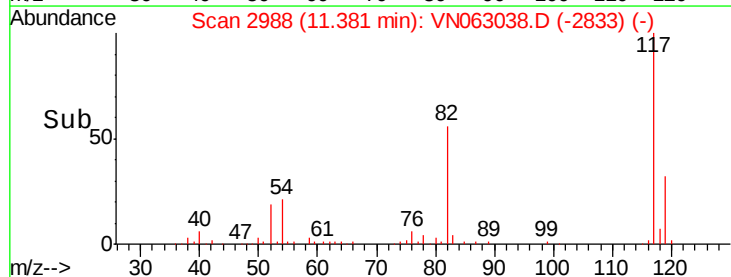
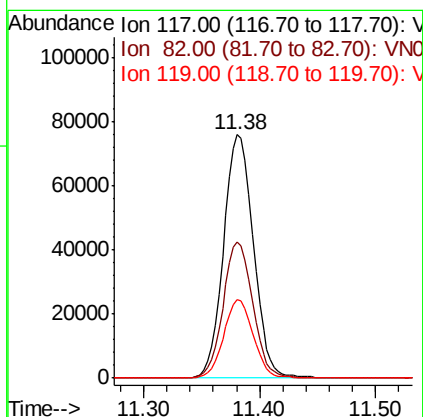
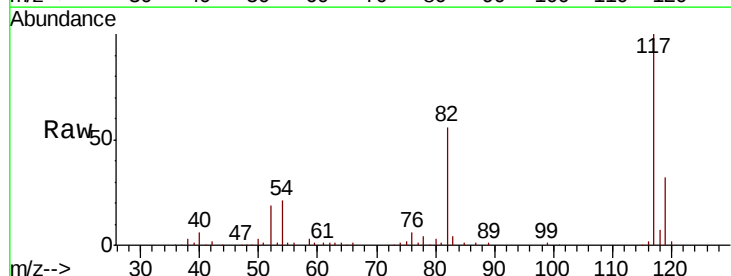
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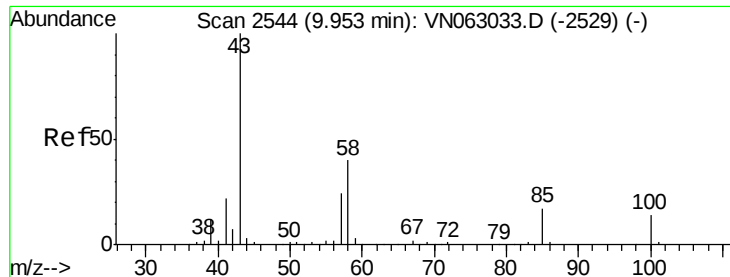
Tot Ion:173 Resp: 452
Ion Ratio Lower Upper
173 100
175 729.4 41.2 61.8#
254 0.0 9.0 13.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

Tgt Ion:117 Resp: 136372
Ion Ratio Lower Upper
117 100
82 55.5 44.9 67.3
119 31.7 26.0 39.0

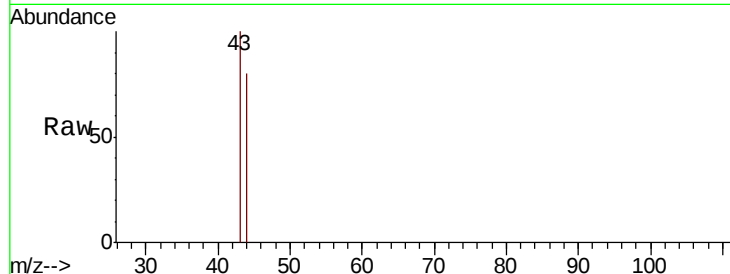




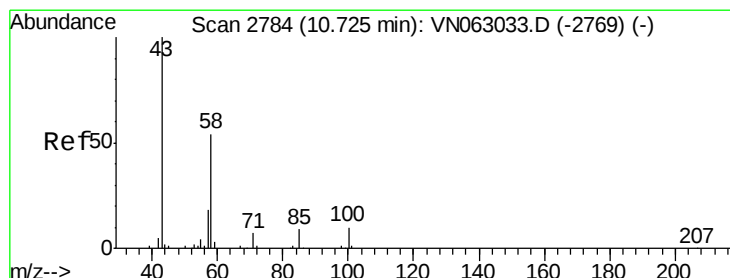
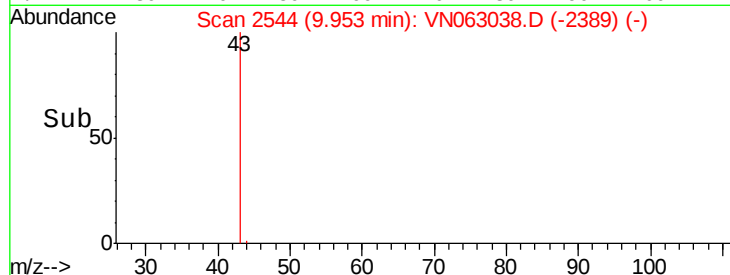
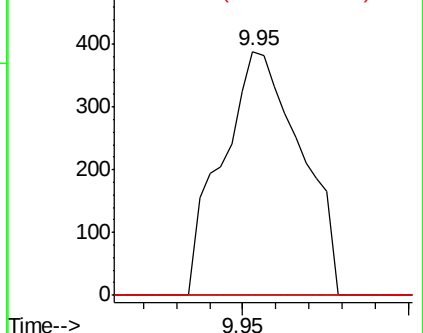
#58
4-Methyl-2-Pentanone
Concen: 0.327 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
200819055-01-TRIP-BLANK

Tot Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
58 0.0 31.4 47.0#
85 0.0 13.4 20.2#

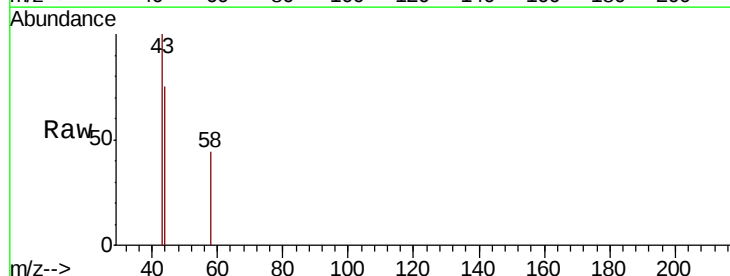


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

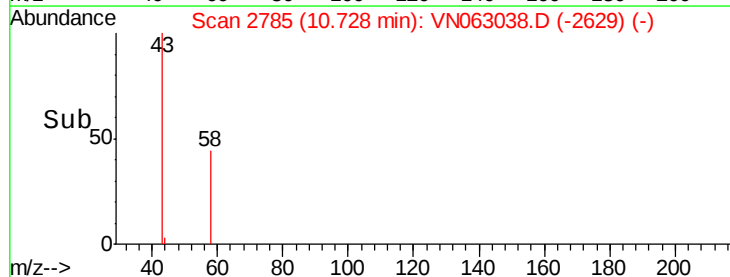
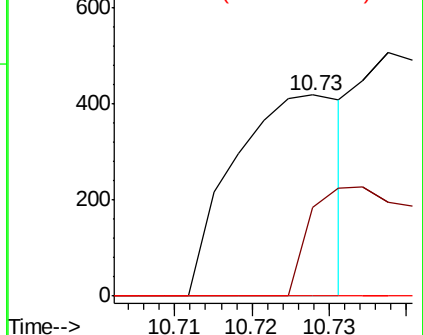


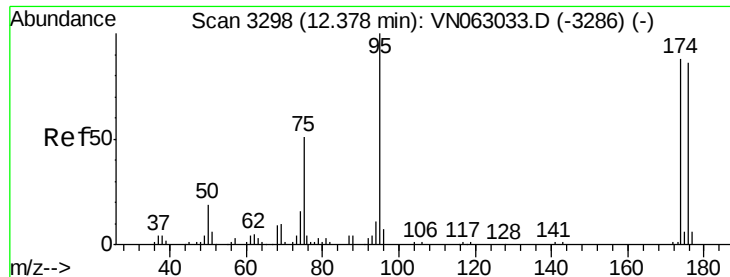
#59
2-Hexanone
Concen: 0.292 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
58 0.0 42.6 64.0#
57 0.0 14.6 21.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

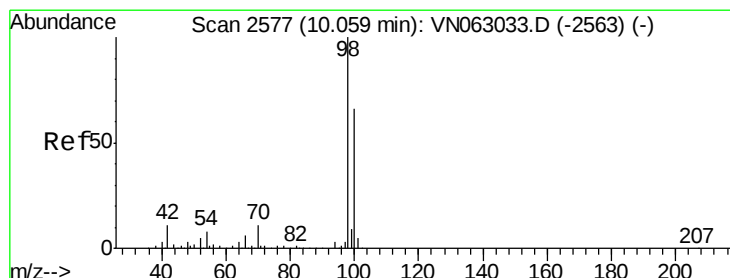
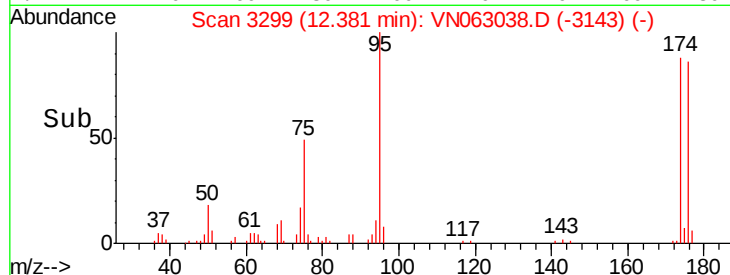
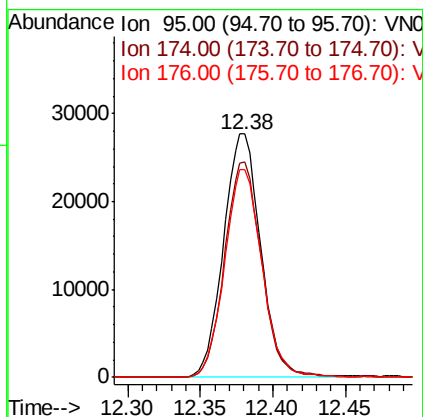
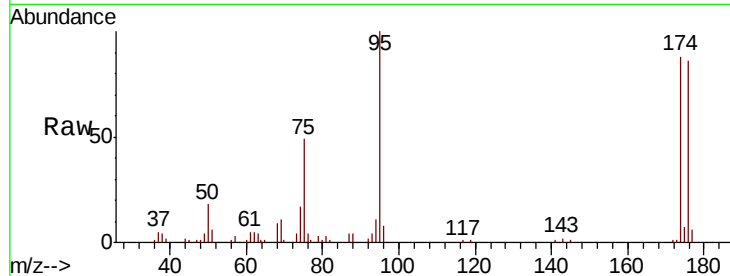




#60
4-Bromofluorobenzene
Concen: 22.869 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.00 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

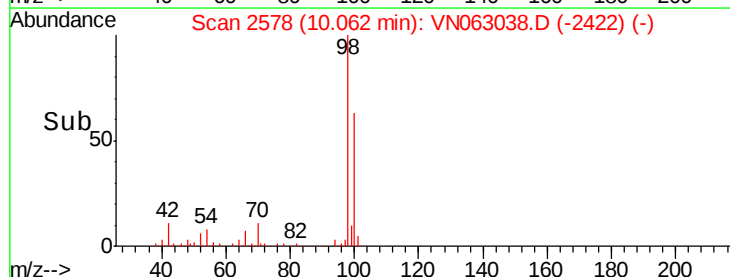
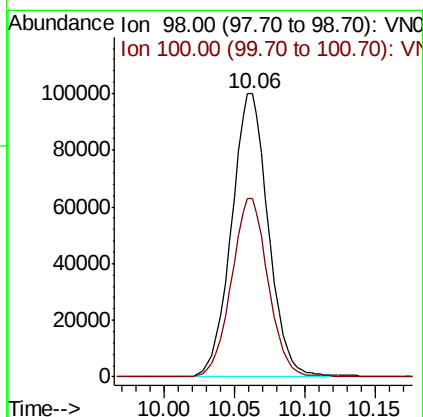
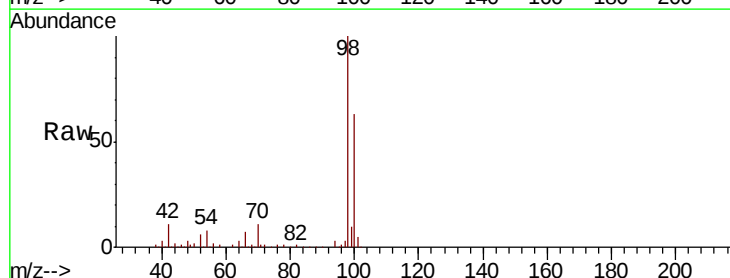
Instrument :
MSVOA_N
ClientSampleId :
200819055-01-TRIP-BLANK

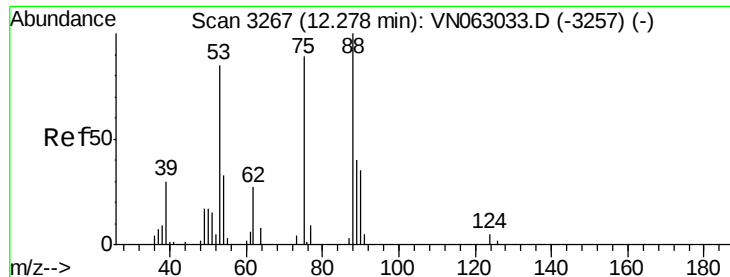
Tot Ion: 95 Resp: 49282
Ion Ratio Lower Upper
95 100
174 87.5 70.1 105.1
176 85.5 66.8 100.2



#63
Toluene-d8
Concen: 29.156 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

Tgt Ion: 98 Resp: 182478
Ion Ratio Lower Upper
98 100
100 62.9 51.4 77.2

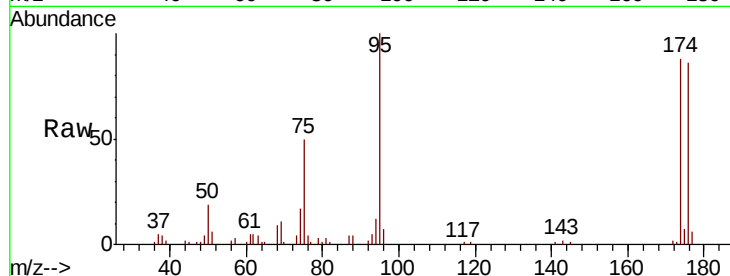




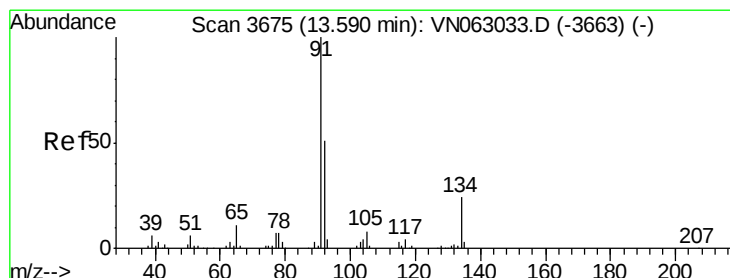
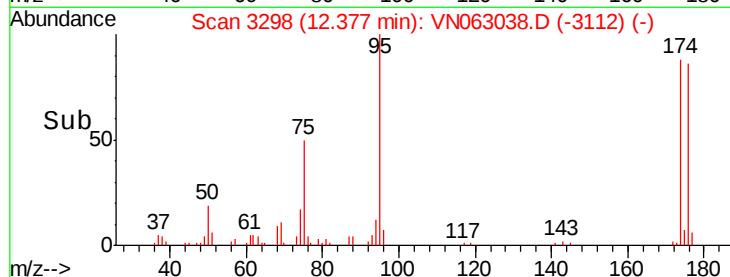
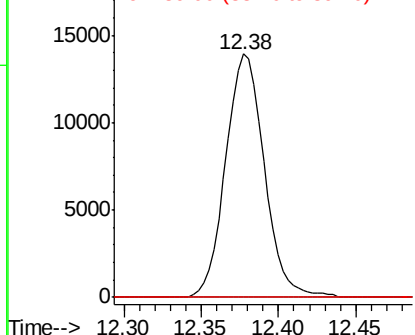
#77
t-1,4-Dichloro-2-butene
Concen: 31.191 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
200819055-01-TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	47.0	141.0#
89	0.0	22.9	68.7#

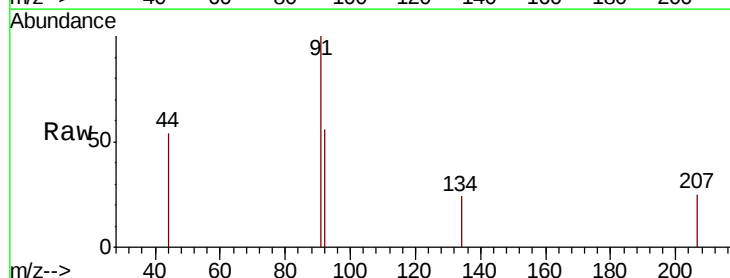


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

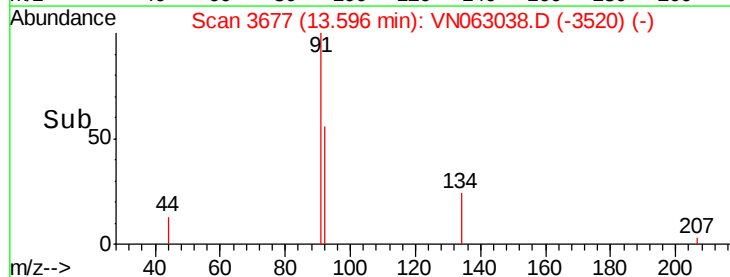
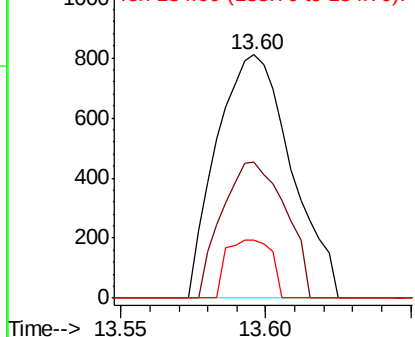


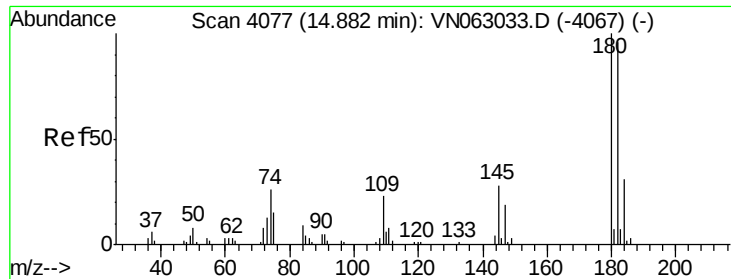
#85
n-Butylbenzene
Concen: 0.258 ug/l
RT: 13.60 min Scan# 3677
Delta R.T. 0.01 min
Lab File: VN063038.D
Acq: 20 Aug 2020 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.5	0.0	100.6
134	14.2	0.0	47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

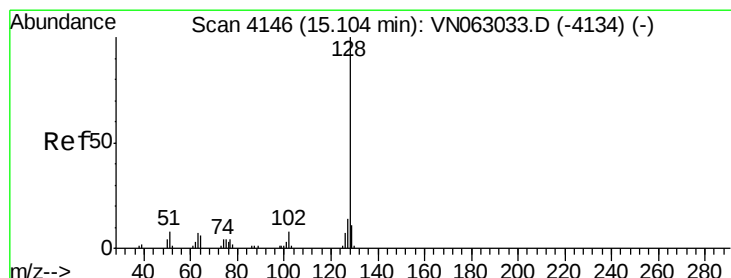
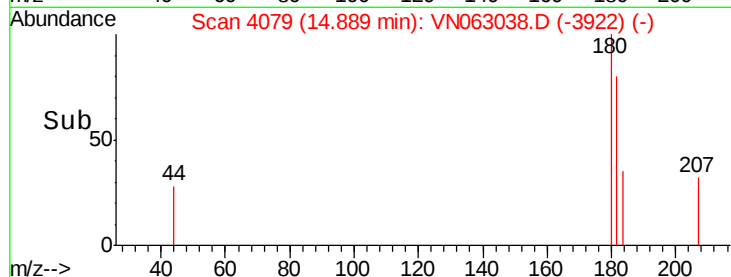
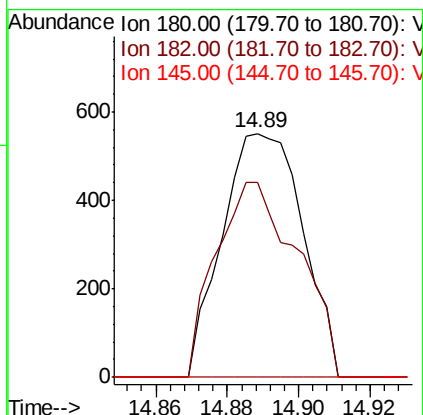
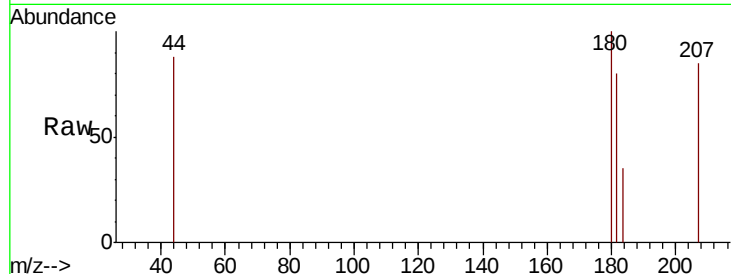




#89
 1,2,4-Trichlorobenzene
 Concen: 0.502 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

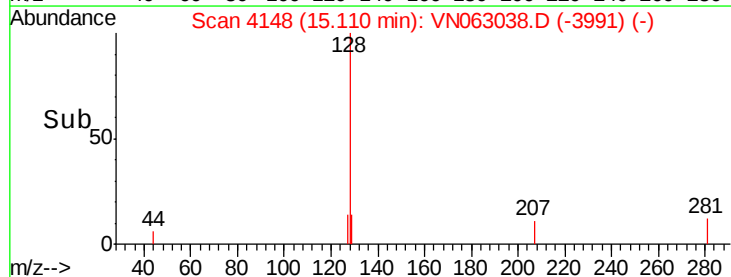
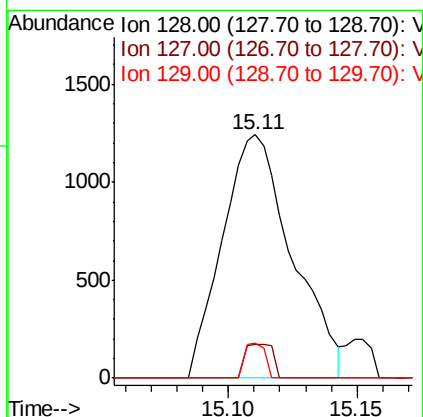
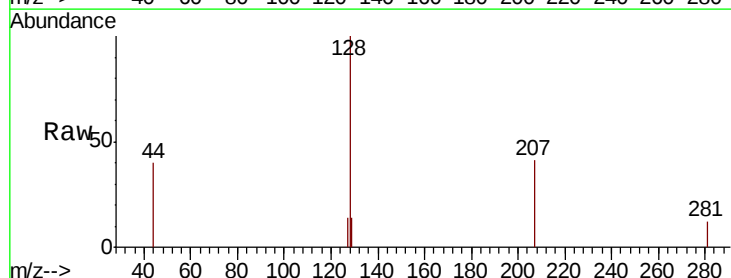
Instrument :
 MSVOA_N
 ClientSampleId :
 200819055-01-TRIP-BLANK

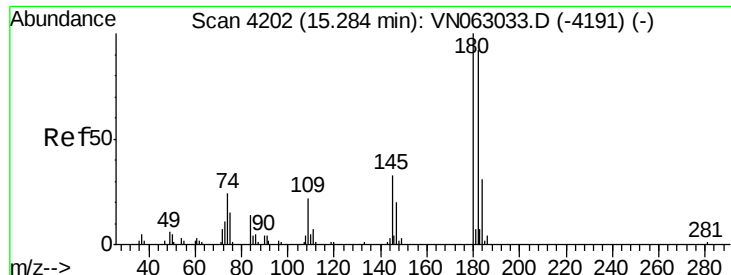
Tot Ion:180 Resp: 862
 Ion Ratio Lower Upper
 180 100
 182 81.2 76.9 115.3
 145 0.0 21.9 32.9#



#91
 Naphthalene
 Concen: 0.617 ug/l
 RT: 15.11 min Scan# 4148
 Delta R.T. 0.01 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

Tgt Ion:128 Resp: 2341
 Ion Ratio Lower Upper
 128 100
 127 0.0 11.1 16.7#
 129 4.1 8.4 12.6#

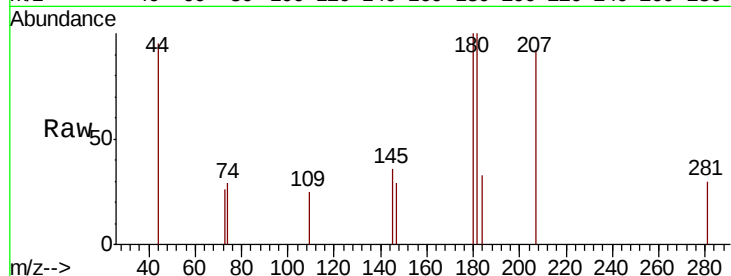




#92
 1,2,3-Trichlorobenzene
 Concen: 0.692 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. 0.01 min
 Lab File: VN063038.D
 Acq: 20 Aug 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 200819055-01-TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	188.0
145	10.0	0.0	62.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

