

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071734.D
 Acq On : 01 Apr 2022 04:03
 Operator : JC\MD
 Sample : N2090-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-61

Quant Time: Apr 01 06:05:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

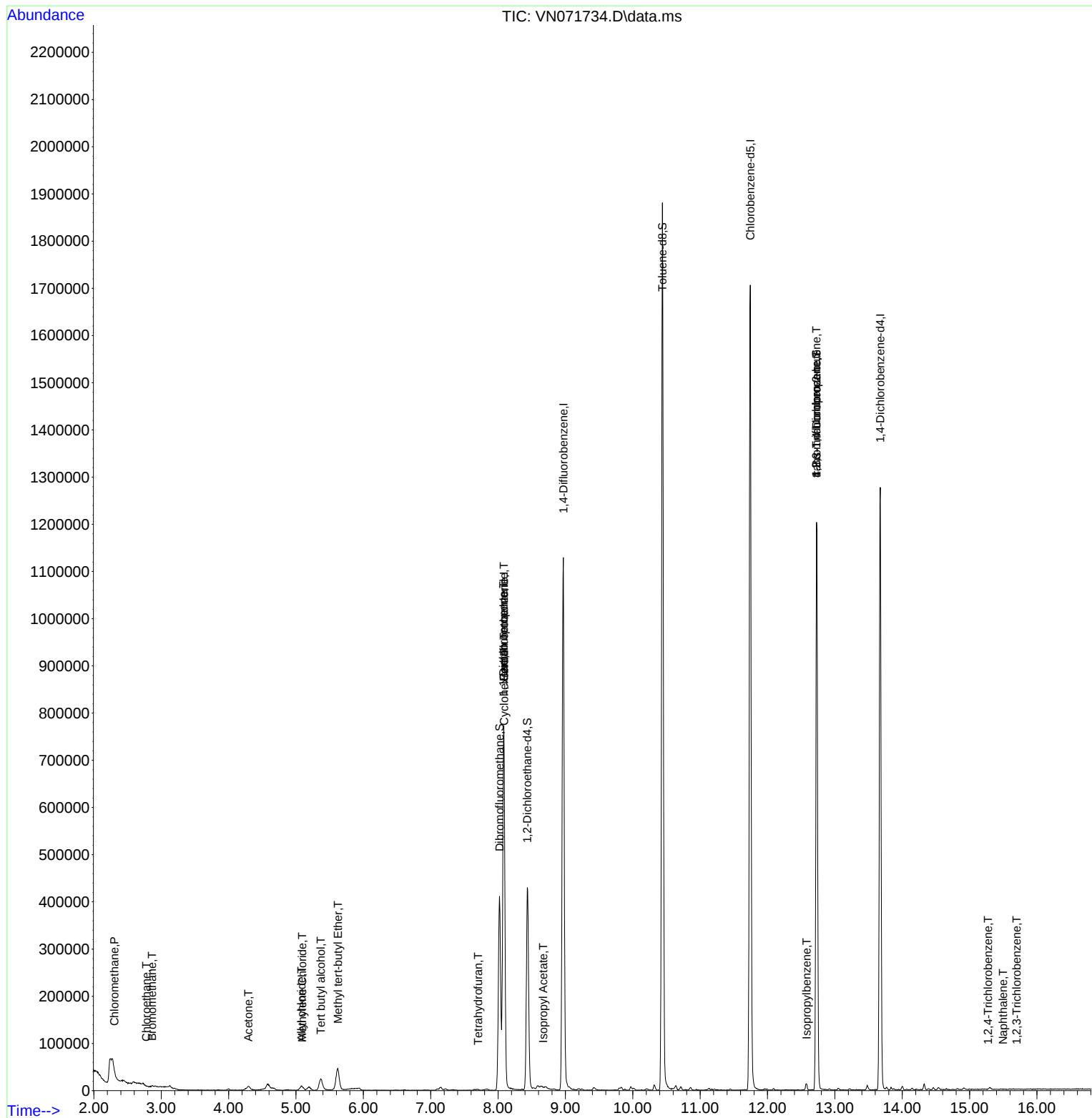
Internal Standards						
1) Pentafluorobenzene	8.086	168	622427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1057769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1071964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	385993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	359390	50.577	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.160%			
35) Dibromofluoromethane	8.022	113	306903	49.307	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.620%			
50) Toluene-d8	10.439	98	1330670	52.260	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.520%			
62) 4-Bromofluorobenzene	12.727	95	435904	52.933	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.860%			
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	2329	0.371	ug/l #	78
5) Bromomethane	2.863	94	1388	0.310	ug/l #	79
6) Chloroethane	2.781	64	1892	0.382	ug/l #	86
11) Tert butyl alcohol	5.369	59	47659	41.330	ug/l	99
14) Allyl chloride	5.081	41	3809	0.457	ug/l #	34
16) Acetone	4.293	43	14552	4.792	ug/l	93
18) Methyl Acetate	4.863	43	2451	Below Cal	#	53
19) Methyl tert-butyl Ether	5.622	73	77273	4.049	ug/l	95
20) Methylene Chloride	5.092	84	1902	0.297	ug/l #	66
29) Tetrahydrofuran	7.704	42	1452	0.512	ug/l #	64
31) Cyclohexane	8.092	56	14788	1.530	ug/l #	33
36) 1,1-Dichloropropene	8.081	75	43211	4.971	ug/l #	48
38) Carbon Tetrachloride	8.086	117	57037	6.695	ug/l #	18
43) Isopropyl Acetate	8.669	43	12392	0.783	ug/l #	53
73) Isopropylbenzene	12.580	105	9522	0.293	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	214791	24.021	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	214791	74.440	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.274	180	54	2.094	ug/l #	12
95) Naphthalene	15.498	128	527	3.831	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	147	2.438	ug/l #	43

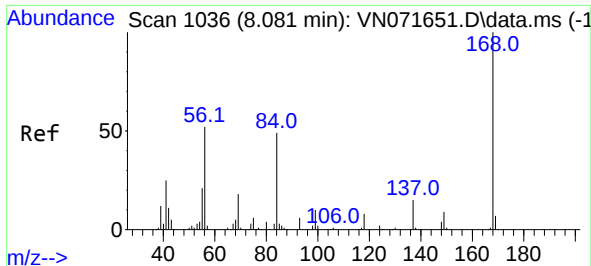
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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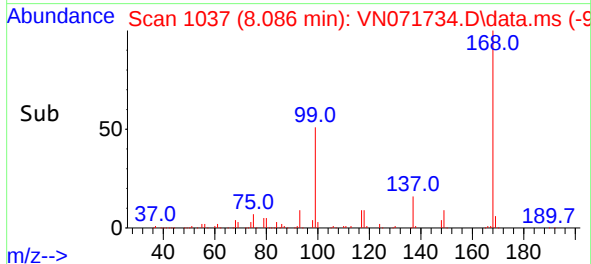
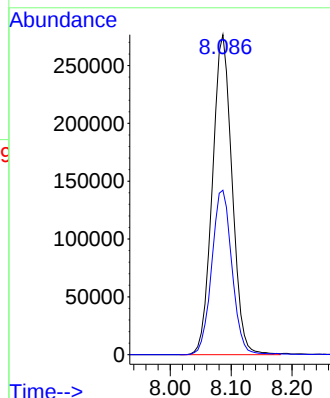
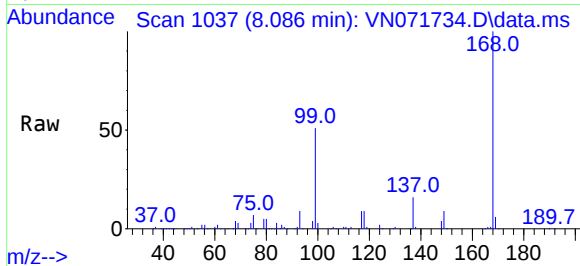




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

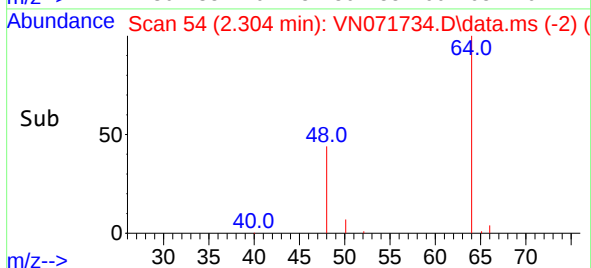
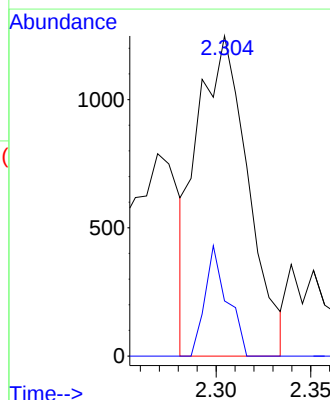
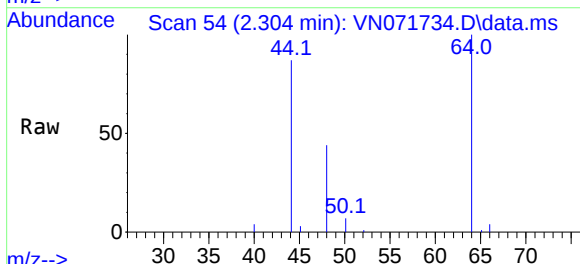
Instrument :
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ClientSampleId :
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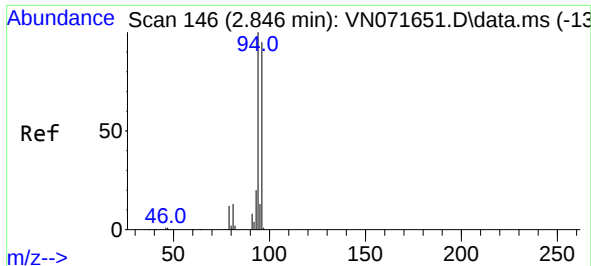
Tgt Ion:168 Resp: 622427
Ion Ratio Lower Upper
168 100
99 51.4 42.3 63.5



#3
Chloromethane
Concen: 0.371 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 50 Resp: 2329
Ion Ratio Lower Upper
50 100
52 20.0 25.7 38.5#

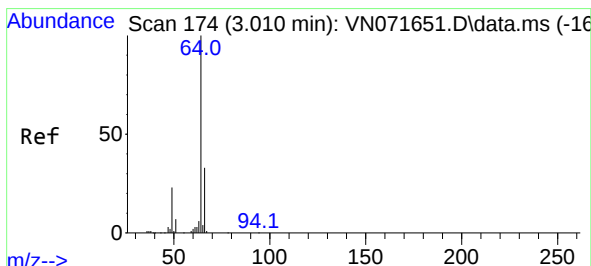
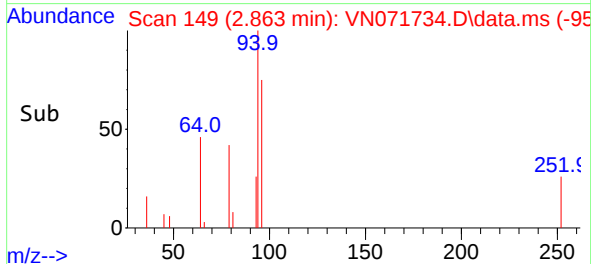
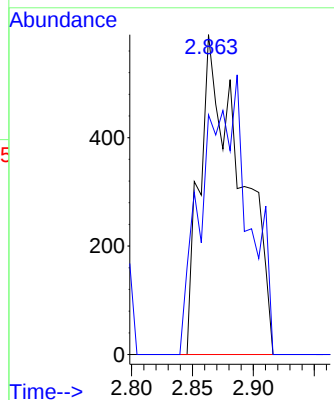
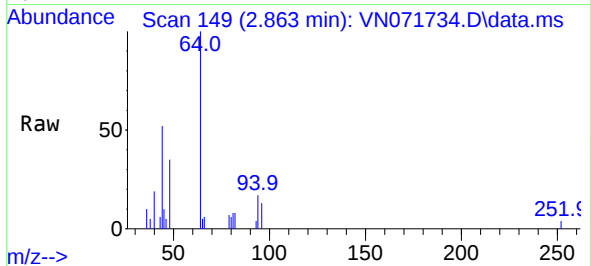




#5
Bromomethane
Concen: 0.310 ug/l
RT: 2.863 min Scan# 14
Delta R.T. 0.017 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

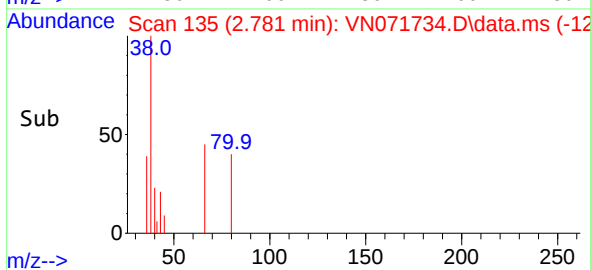
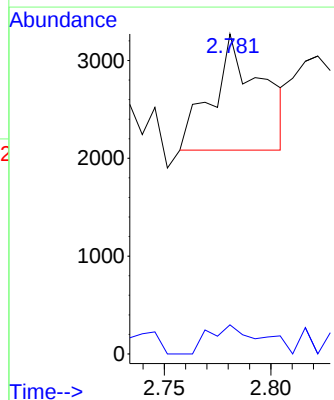
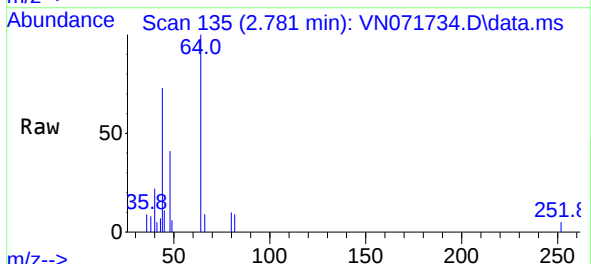
Instrument :
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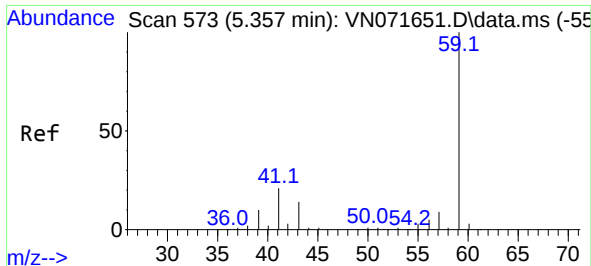
Tgt Ion: 94 Resp: 1388
Ion Ratio Lower Upper
94 100
96 74.9 76.0 114.0#



#6
Chloroethane
Concen: 0.382 ug/l
RT: 2.781 min Scan# 135
Delta R.T. -0.229 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 64 Resp: 1892
Ion Ratio Lower Upper
64 100
66 25.1 26.2 39.4#

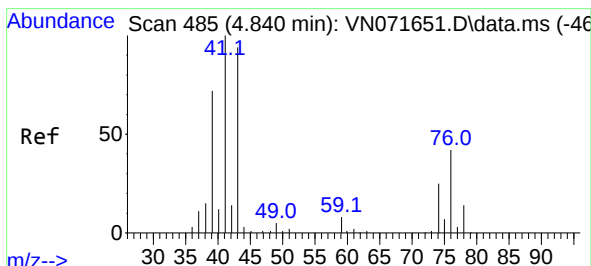
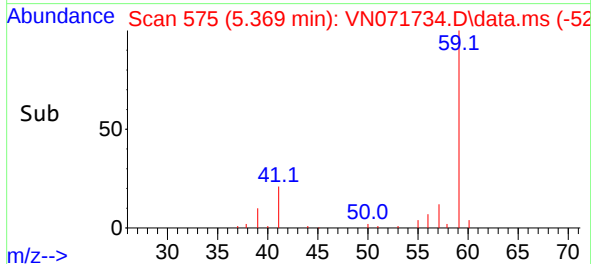
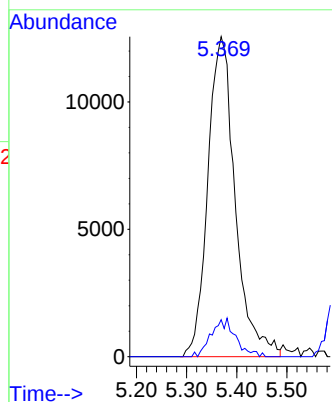
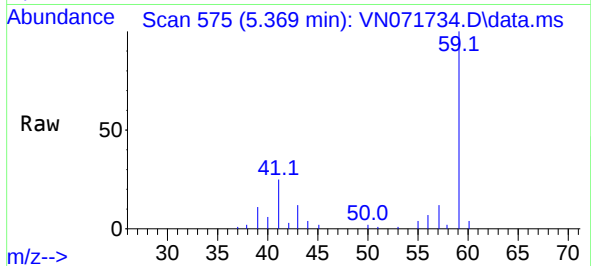




#11
Tert butyl alcohol
Concen: 41.330 ug/l
RT: 5.369 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

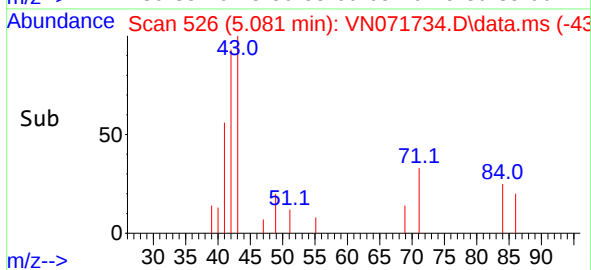
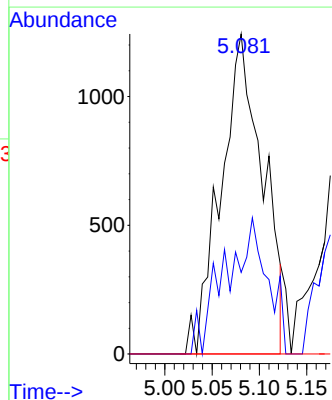
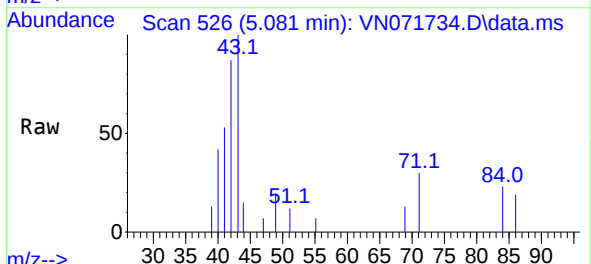
Instrument :
MSVOA_N
ClientSampleId :
MW-61

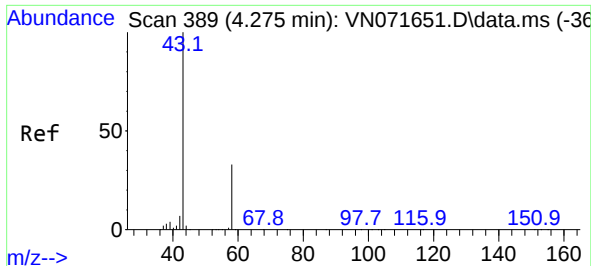
Tgt Ion: 59 Resp: 47659
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5



#14
Allyl chloride
Concen: 0.457 ug/l
RT: 5.081 min Scan# 526
Delta R.T. 0.241 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 41 Resp: 3809
Ion Ratio Lower Upper
41 100
39 11.9 53.2 79.8#
76 0.0 29.9 44.9#

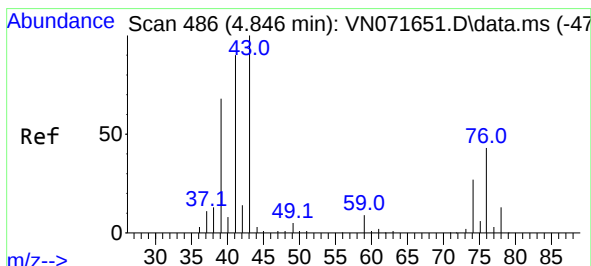
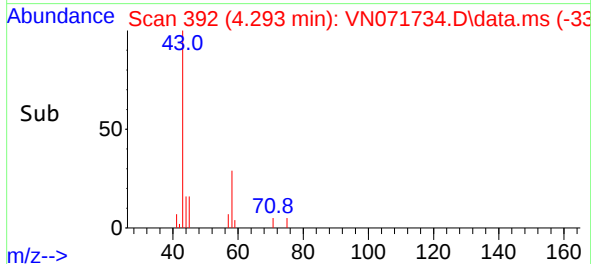
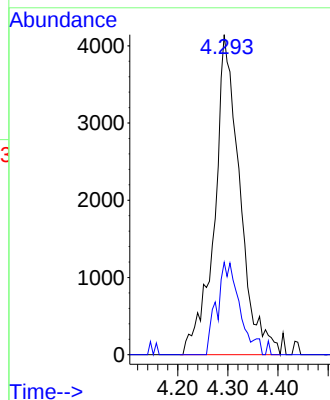
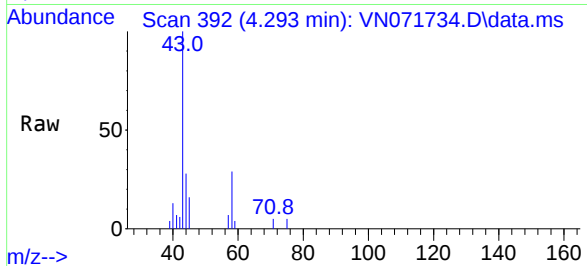




#16
Acetone
Concen: 4.792 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

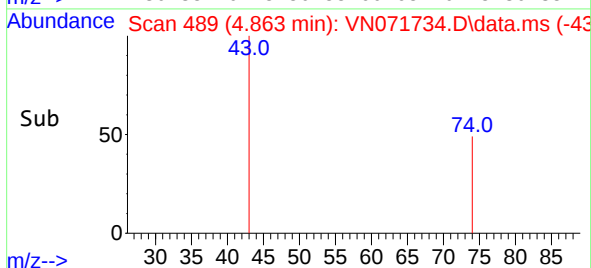
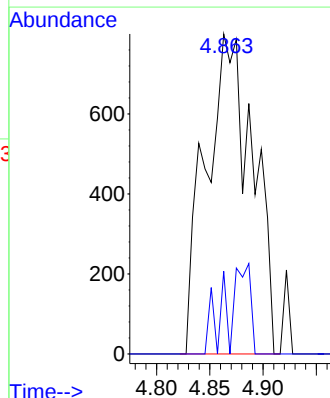
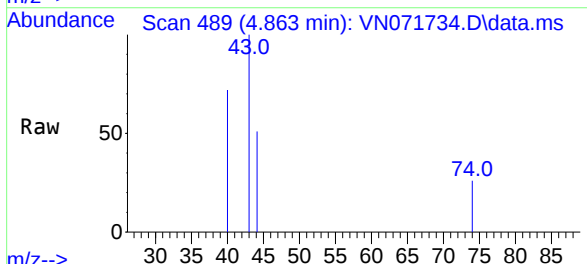
Instrument :
MSVOA_N
ClientSampleId :
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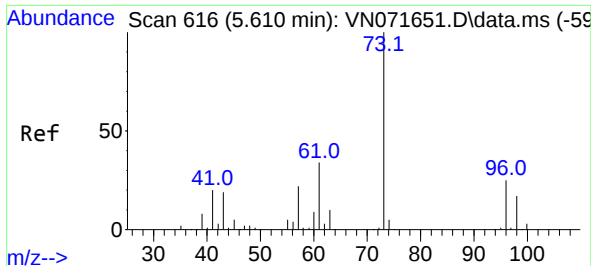
Tgt Ion: 43 Resp: 14552
Ion Ratio Lower Upper
43 100
58 28.8 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 43 Resp: 2451
Ion Ratio Lower Upper
43 100
74 2.4 21.6 32.4#

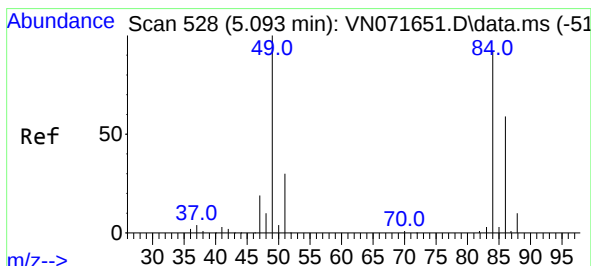
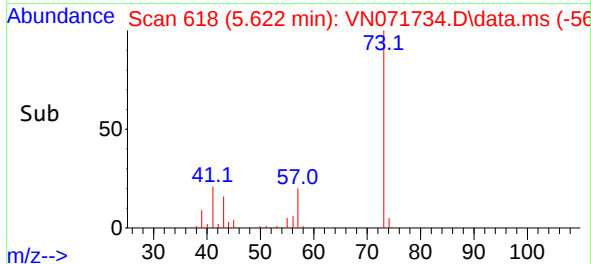
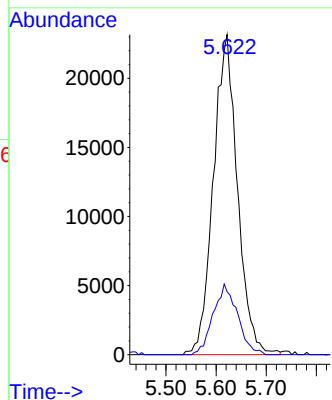
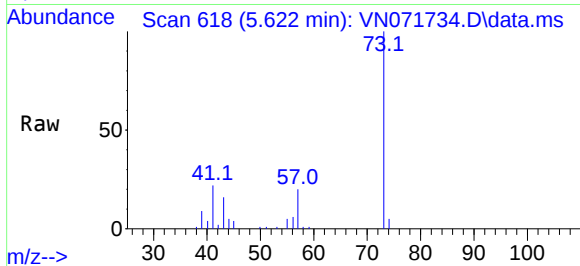




#19
Methyl tert-butyl Ether
Concen: 4.049 ug/l
RT: 5.622 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

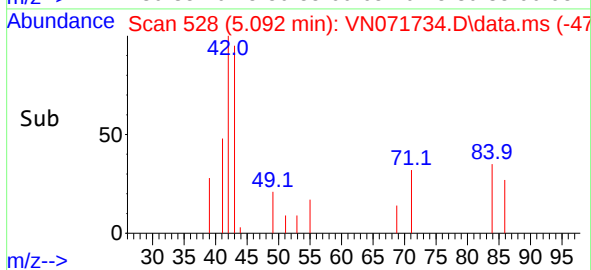
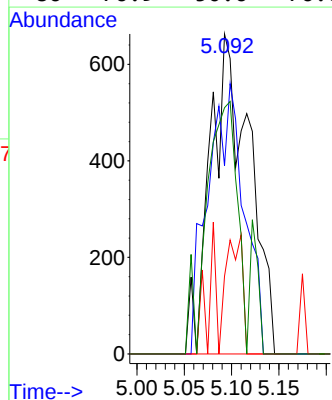
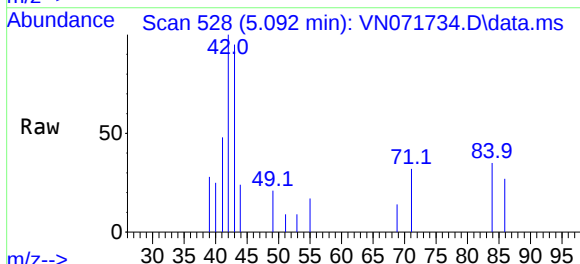
Instrument :
MSVOA_N
ClientSampleId :
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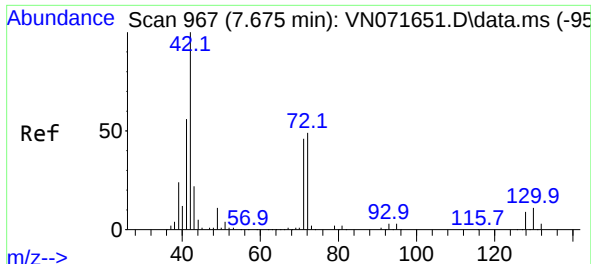
Tgt Ion: 73 Resp: 77273
Ion Ratio Lower Upper
73 100
57 19.7 17.6 26.4



#20
Methylene Chloride
Concen: 0.297 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 84 Resp: 1902
Ion Ratio Lower Upper
84 100
49 58.8 88.3 132.5#
51 24.3 28.2 42.2#
86 76.9 50.6 76.0#





#29

Tetrahydrofuran

Concen: 0.512 ug/l

RT: 7.704 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN071734.D

Acq: 01 Apr 2022 04:03

Instrument :

MSVOA_N

ClientSampleId :

MW-61

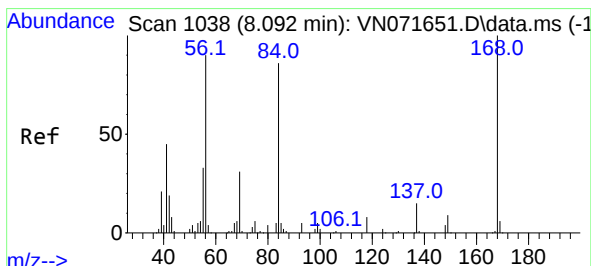
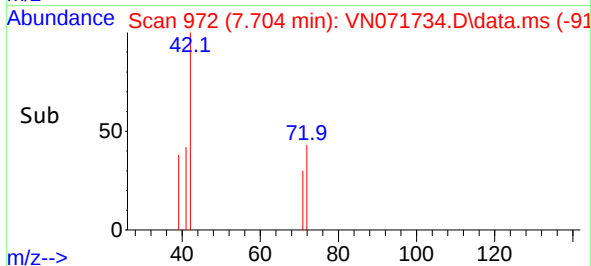
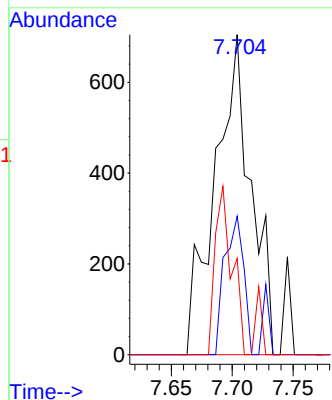
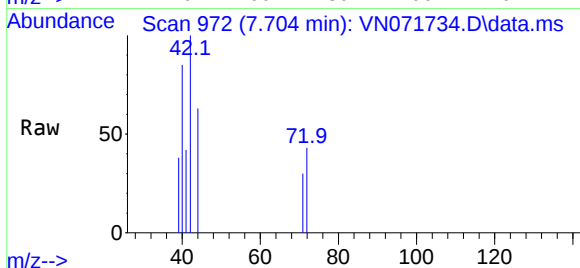
Tgt Ion: 42 Resp: 1452

Ion Ratio Lower Upper

42 100

72 22.9 39.7 59.5#

71 24.8 36.6 55.0#



#31

Cyclohexane

Concen: 1.530 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VN071734.D

Acq: 01 Apr 2022 04:03

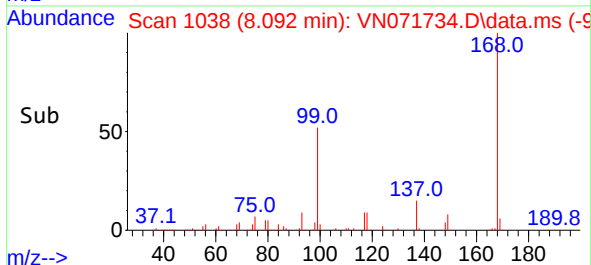
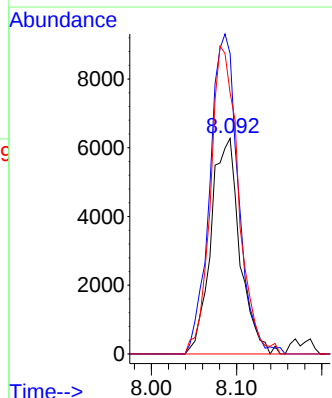
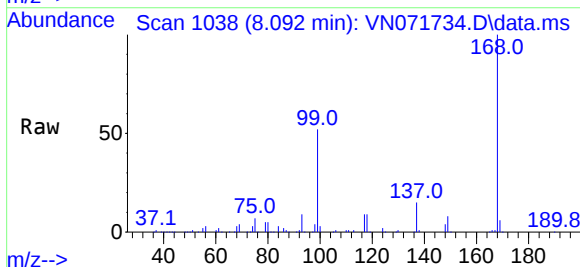
Tgt Ion: 56 Resp: 14788

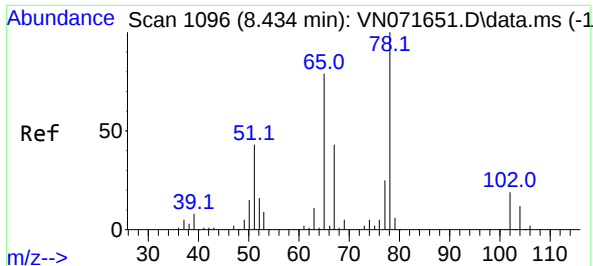
Ion Ratio Lower Upper

56 100

69 139.3 27.8 41.8#

84 121.0 76.9 115.3#

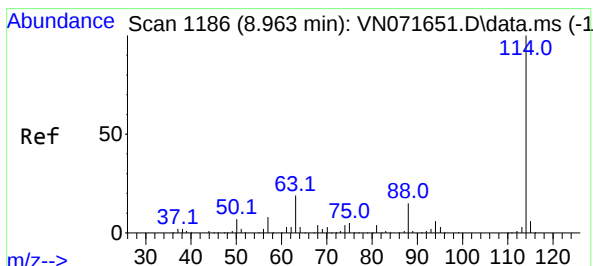
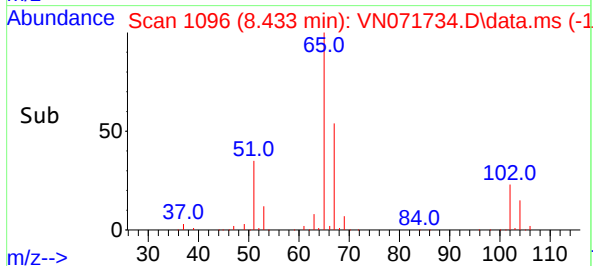
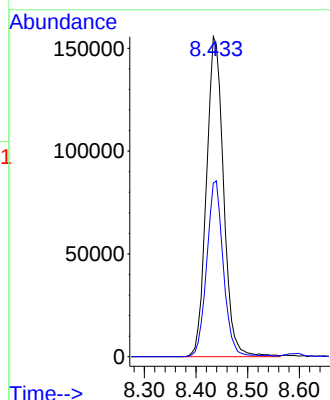
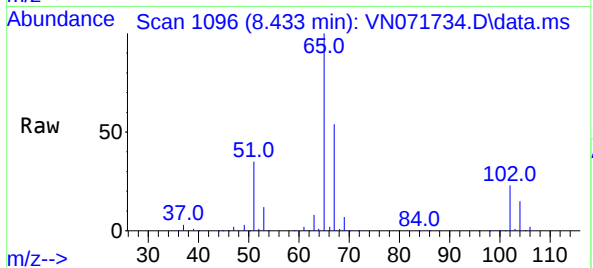




#33
1,2-Dichloroethane-d4
Concen: 50.577 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

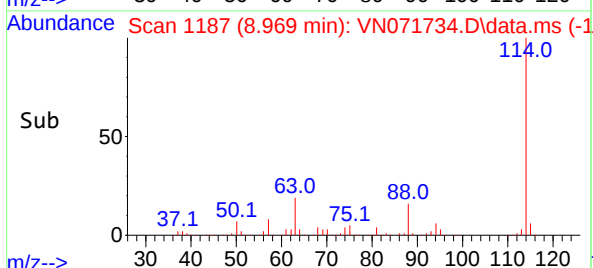
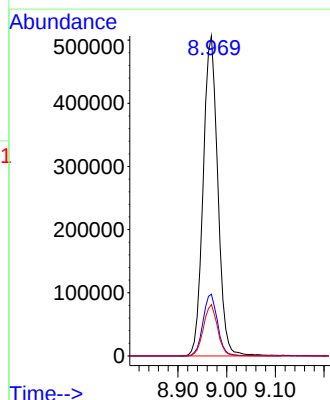
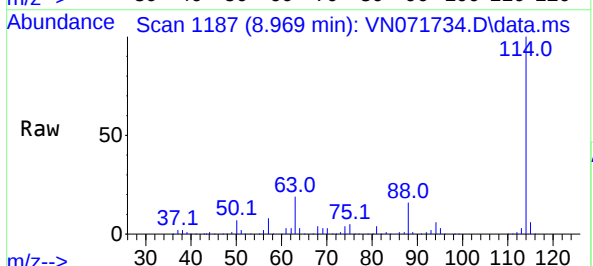
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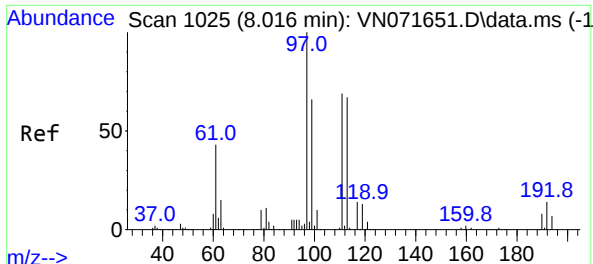
Tgt Ion: 65 Resp: 359390
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion:114 Resp: 1057769
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.0
88 16.1 0.0 32.6

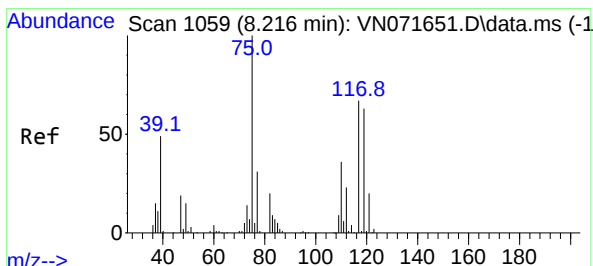
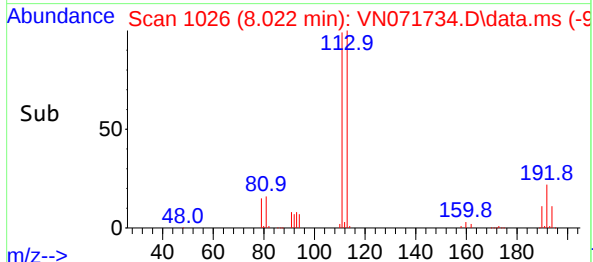
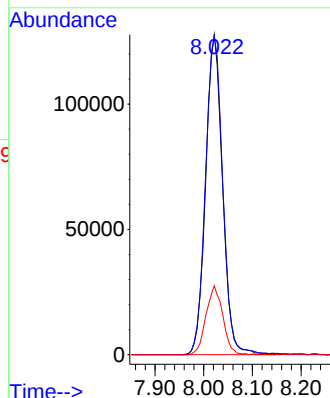
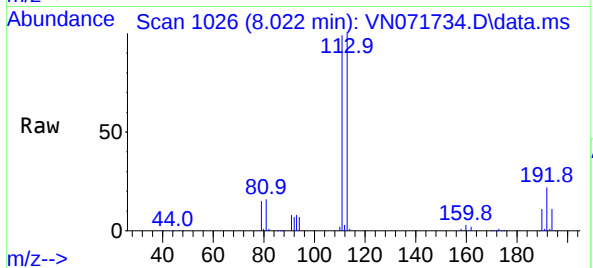




#35
Dibromofluoromethane
Concen: 49.307 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

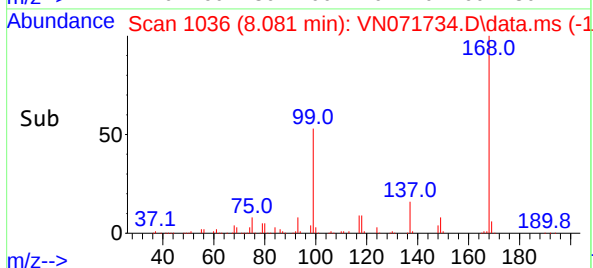
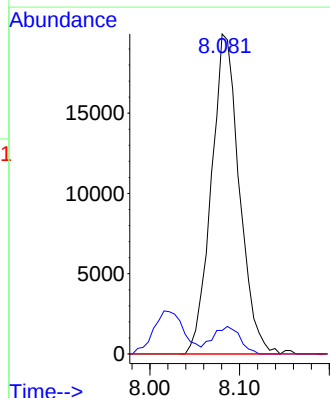
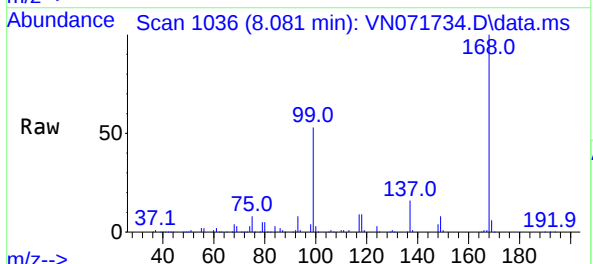
Instrument :
MSVOA_N
ClientSampleId :
MW-61

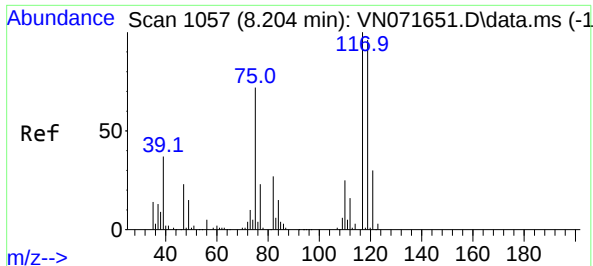
Tgt Ion:113 Resp: 306903
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 21.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 75 Resp: 43211
Ion Ratio Lower Upper
75 100
110 8.3 18.3 54.8#
77 0.0 25.1 37.7#

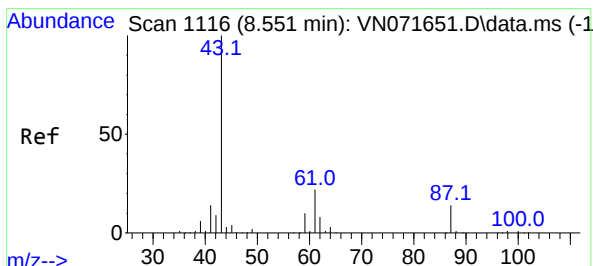
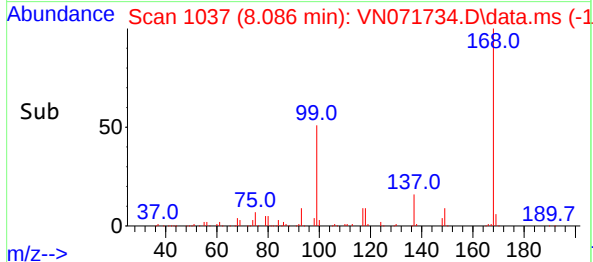
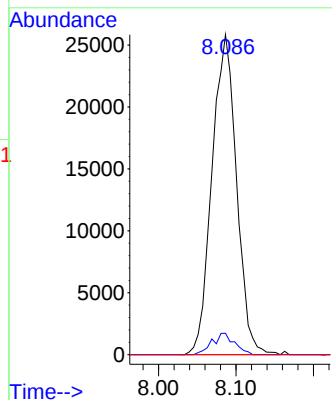
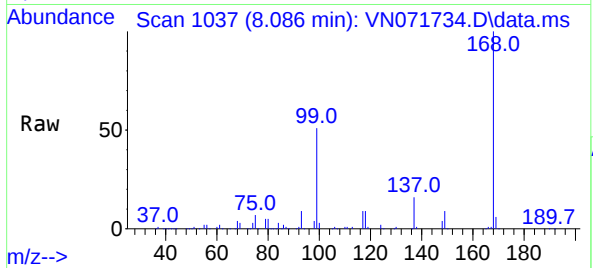




#38
Carbon Tetrachloride
Concen: 6.695 ug/l
RT: 8.086 min Scan# 1103
Delta R.T. -0.118 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

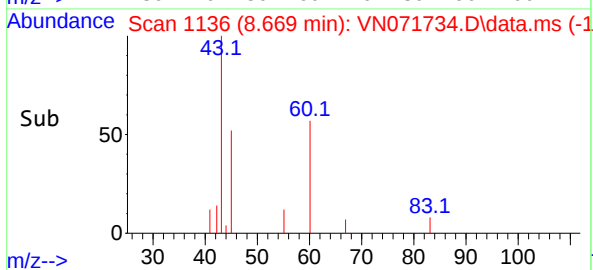
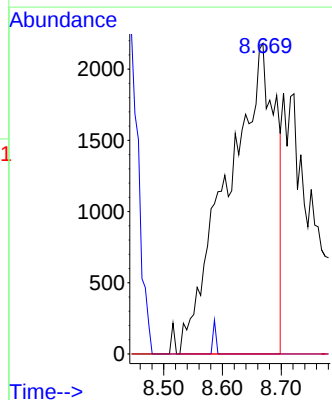
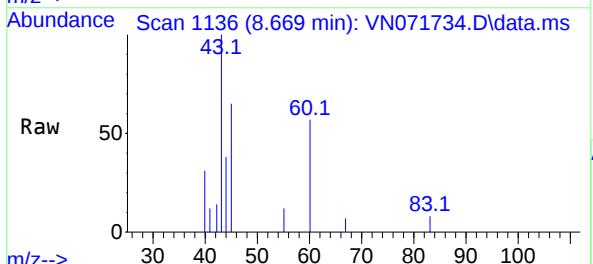
Instrument :
MSVOA_N
ClientSampleId :
MW-61

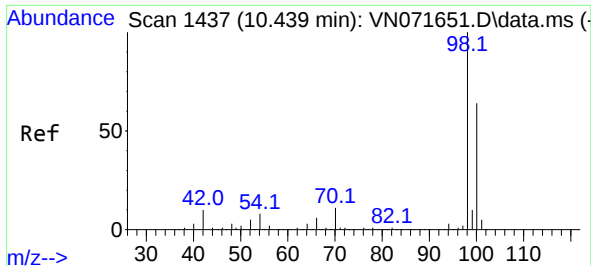
Tgt Ion:117 Resp: 57037
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.783 ug/l
RT: 8.669 min Scan# 1136
Delta R.T. 0.118 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 43 Resp: 12392
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

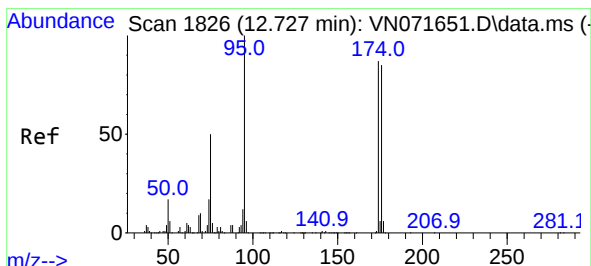
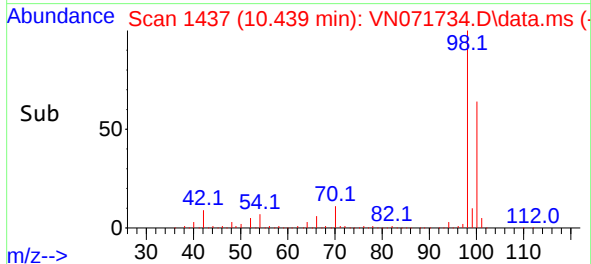
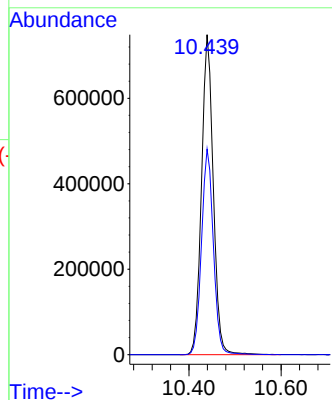
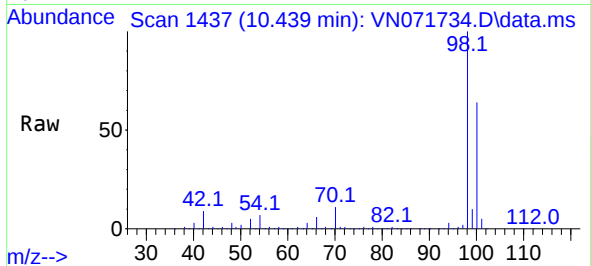




#50
Toluene-d8
Concen: 52.260 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

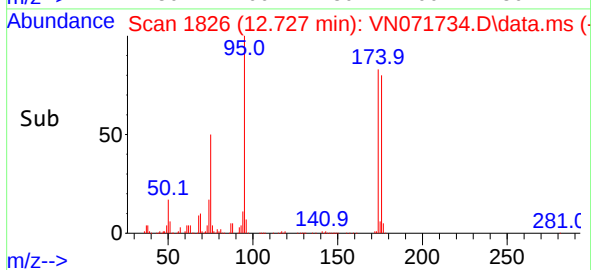
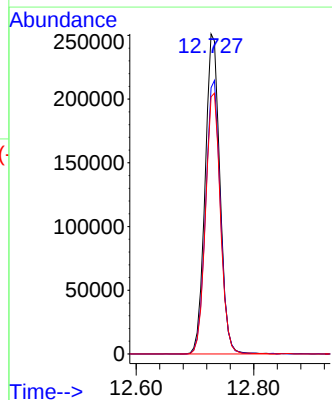
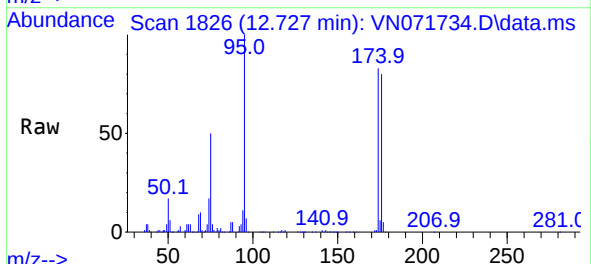
Instrument :
MSVOA_N
ClientSampleId :
MW-61

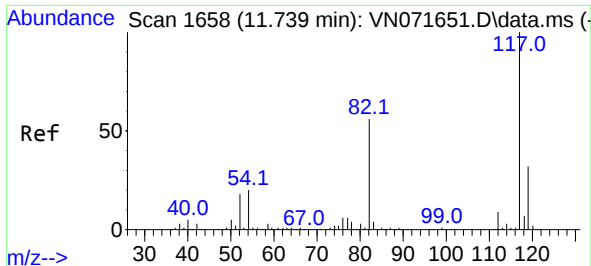
Tgt Ion: 98 Resp: 1330670
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 52.933 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 95 Resp: 435904
Ion Ratio Lower Upper
95 100
174 85.1 0.0 167.6
176 82.2 0.0 163.4

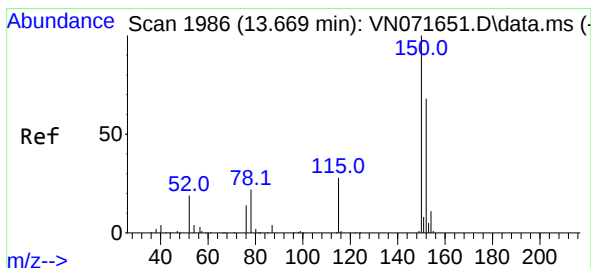
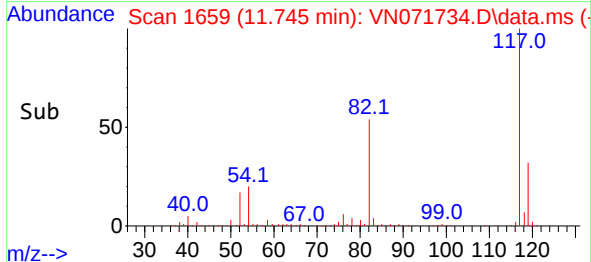
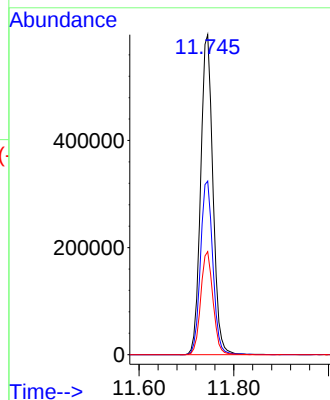
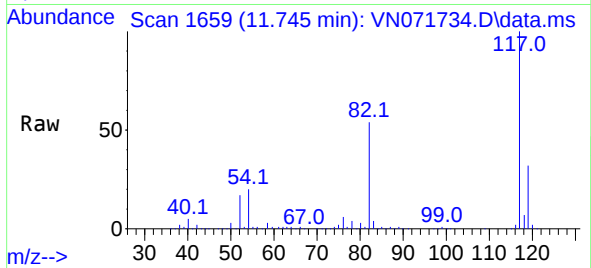




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

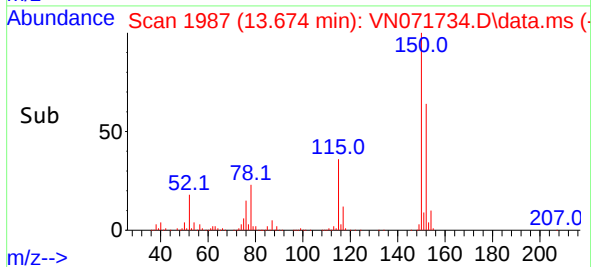
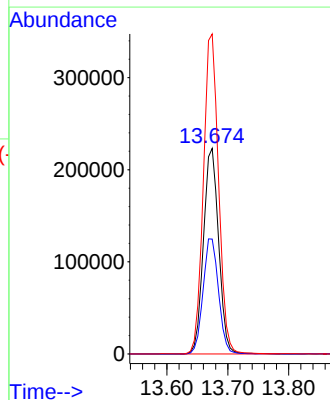
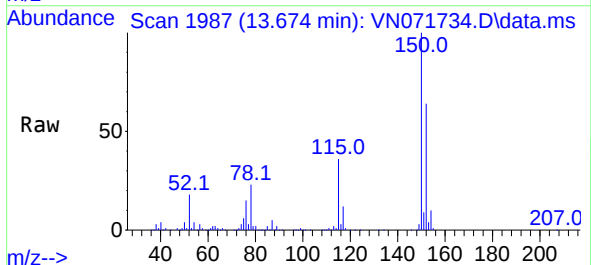
Instrument :
MSVOA_N
ClientSampleId :
MW-61

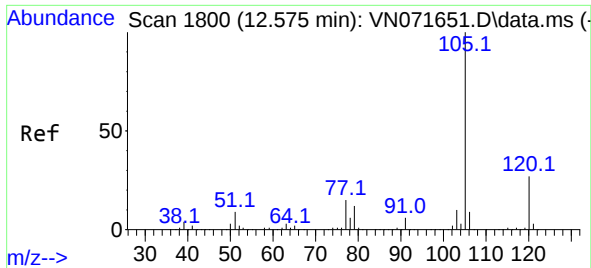
Tgt Ion:117 Resp: 1071964
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion:152 Resp: 385993
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 155.8 0.0 356.2

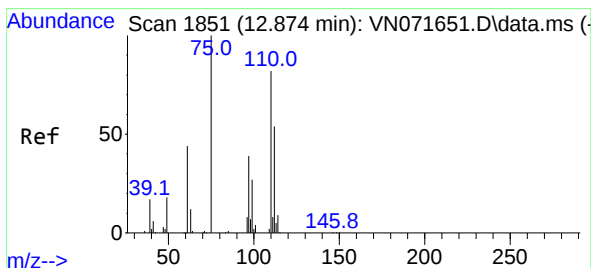
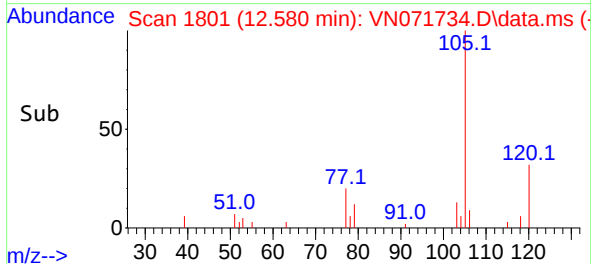
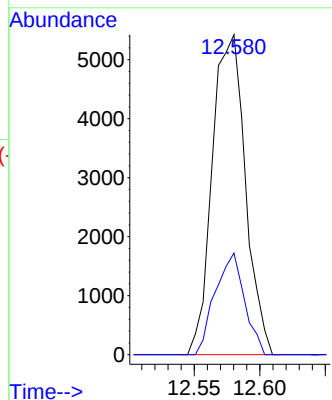
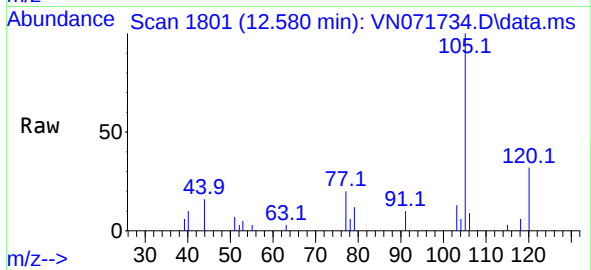




#73
Isopropylbenzene
Concen: 0.293 ug/l
RT: 12.580 min Scan# 1800
Delta R.T. 0.005 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

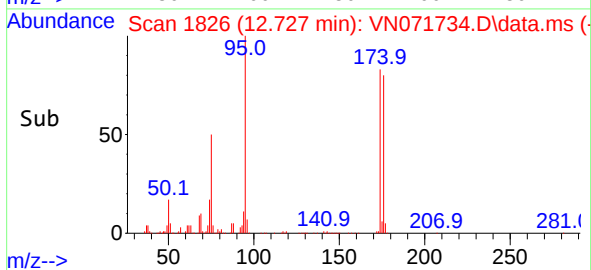
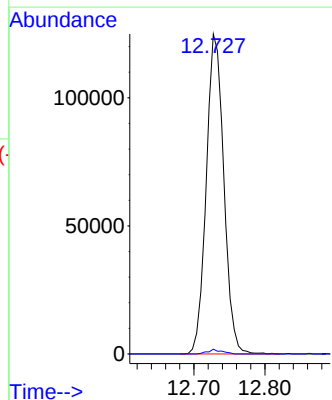
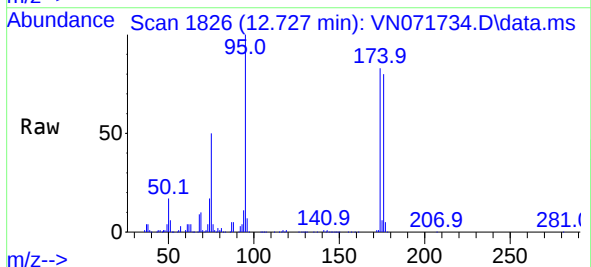
Instrument :
MSVOA_N
ClientSampleId :
MW-61

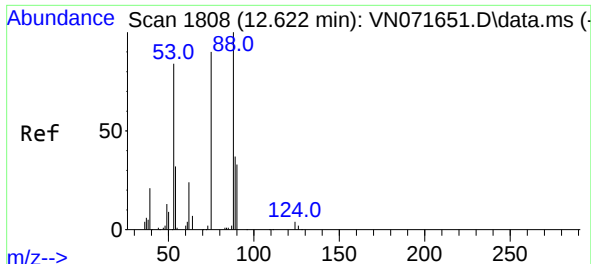
Tgt Ion:105 Resp: 9522
Ion Ratio Lower Upper
105 100
120 28.1 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 24.021 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion: 75 Resp: 214791
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

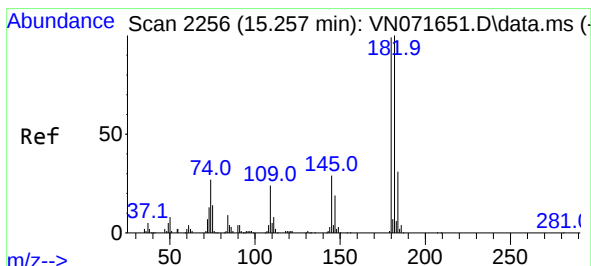
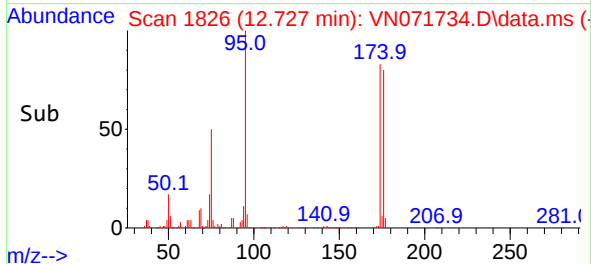
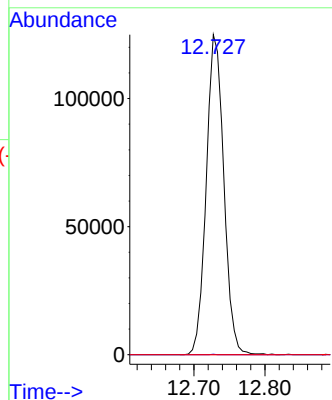
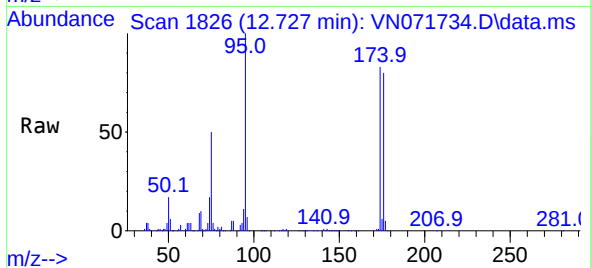




#81
trans-1,4-Dichloro-2-butene
Concen: 74.440 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

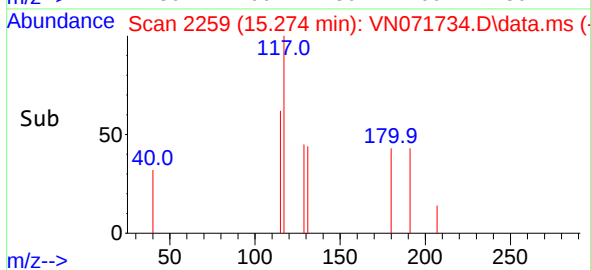
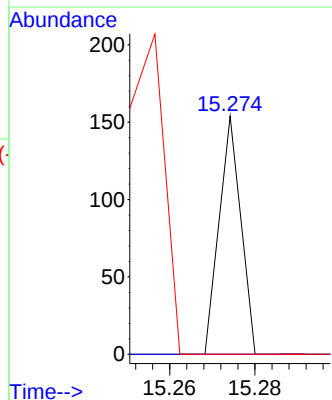
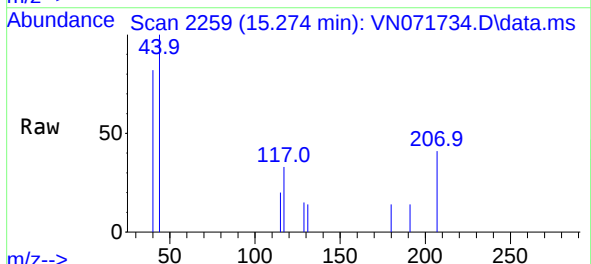
Instrument :
MSVOA_N
ClientSampleId :
MW-61

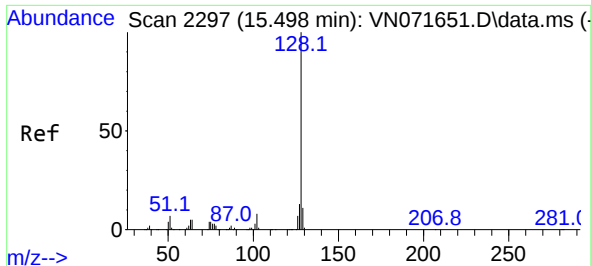
Tgt Ion: 75 Resp: 214791
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.094 ug/l
RT: 15.274 min Scan# 2259
Delta R.T. 0.017 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion:180 Resp: 54
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#

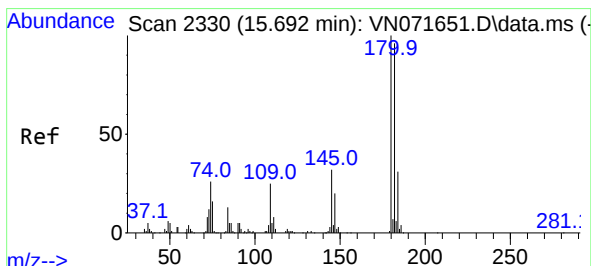
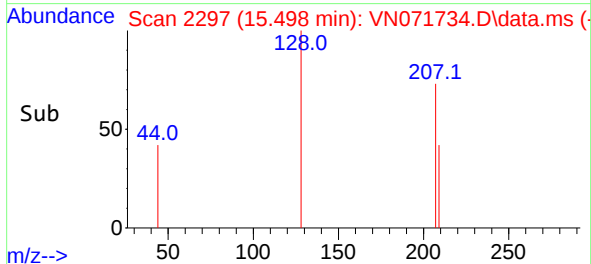
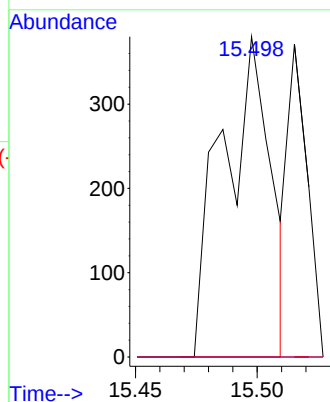
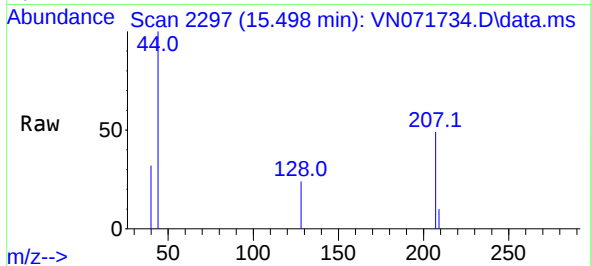




#95
Naphthalene
Concen: 3.831 ug/l
RT: 15.498 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Instrument :
MSVOA_N
ClientSampleId :
MW-61

Tgt Ion:	128	Resp:	527
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.438 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071734.D
Acq: 01 Apr 2022 04:03

Tgt Ion:	180	Resp:	147
Ion	Ratio	Lower	Upper
180	100		
182	39.5	47.8	143.3#
145	0.0	15.5	46.5#

