

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071587.D
 Acq On : 26 Mar 2022 21:03
 Operator : JC\MD
 Sample : PB143635TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143635TB

Quant Time: Mar 28 02:21:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

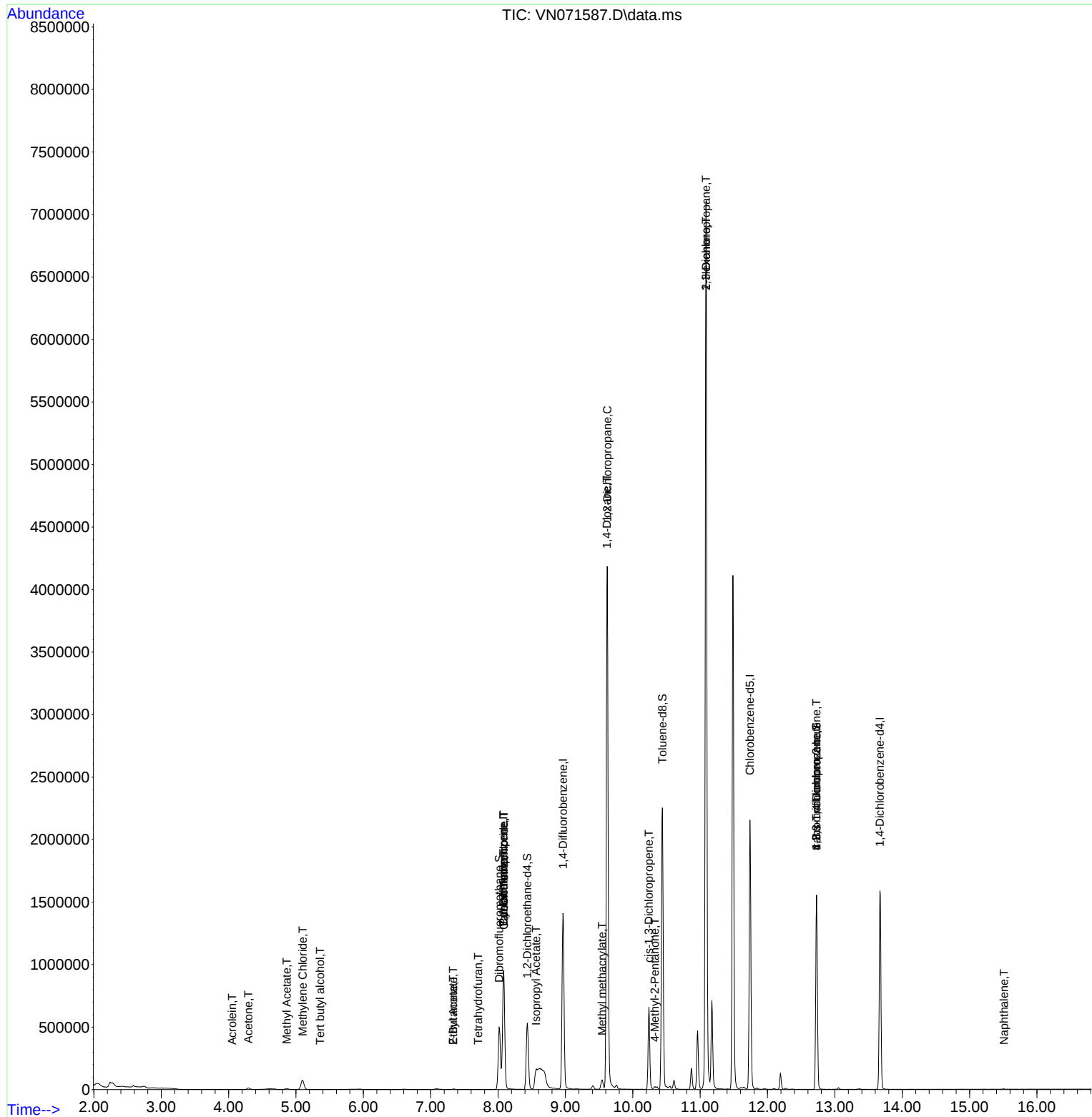
Internal Standards						
1) Pentafluorobenzene	8.081	168	778504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1311778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1300227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	475080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	448417	46.362	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.720%		
35) Dibromofluoromethane	8.016	113	370299	44.917	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.840%		
50) Toluene-d8	10.439	98	1634002	49.139	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.280%		
62) 4-Bromofluorobenzene	12.727	95	542069	49.751	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3287	Below Cal		91
11) Tert butyl alcohol	5.357	59	692	0.384 ug/l #		72
13) Acrolein	4.051	56	283	0.205 ug/l #		16
16) Acetone	4.293	43	22686	5.722 ug/l		90
18) Methyl Acetate	4.863	43	19033	0.603 ug/l		94
20) Methylene Chloride	5.098	84	66077	7.153 ug/l		96
25) 2-Butanone	7.334	43	9185	1.444 ug/l		97
29) Tetrahydrofuran	7.704	42	1212	0.287 ug/l #		80
31) Cyclohexane	8.081	56	13858	1.001 ug/l #		1
36) 1,1-Dichloropropene	8.081	75	53806	4.527 ug/l #		47
37) Ethyl Acetate	7.334	43	9185	0.709 ug/l #		67
38) Carbon Tetrachloride	8.086	117	71828	6.199 ug/l #		16
43) Isopropyl Acetate	8.563	43	152673	7.021 ug/l #		76
45) 1,2-Dichloropropane	9.622	63	5833	0.636 ug/l #		44
48) Methyl methacrylate	9.545	41	18946	2.026 ug/l #		10
49) 1,4-Dioxane	9.616	88	561	2.599 ug/l #		1
51) 4-Methyl-2-Pentanone	10.327	43	12469	0.961 ug/l		97
54) cis-1,3-Dichloropropene	10.239	75	127755	8.812 ug/l #		61
57) 1,3-Dichloropropane	11.086	76	80168	5.075 ug/l #		42
59) 2-Hexanone	11.086	43	1038044	111.009 ug/l #		47
75) 1,1,2,2-Tetrachloroethane	12.727	83	408	Below Cal #		1
76) 1,2,3-Trichloropropane	12.727	75	274615	25.923 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.727	75	274615	69.402 ug/l #		10
95) Naphthalene	15.509	128	4065	3.372 ug/l		99

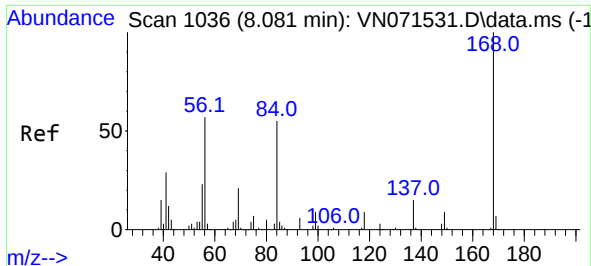
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 25 09:52:40 2022
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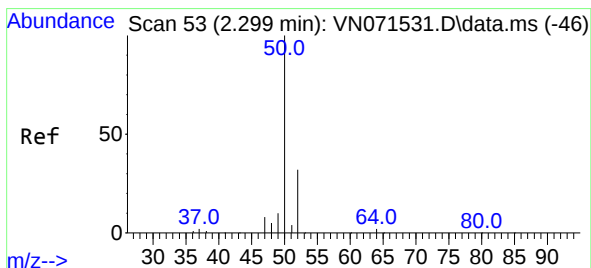
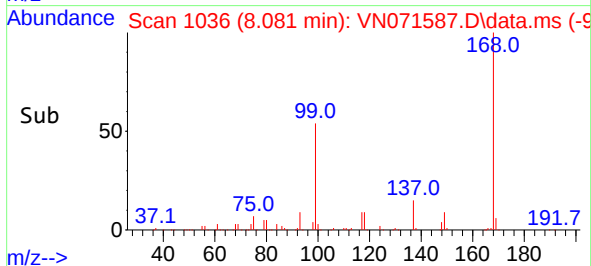
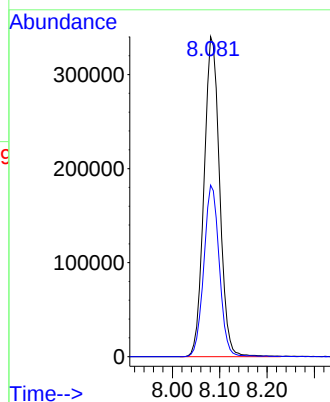
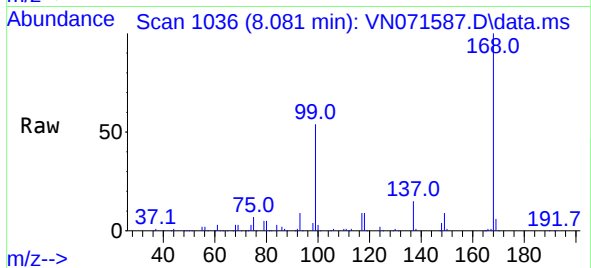




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

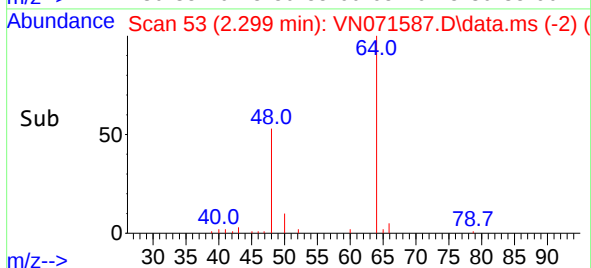
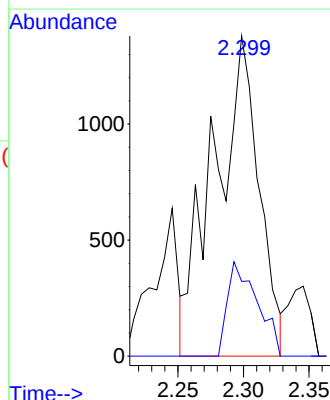
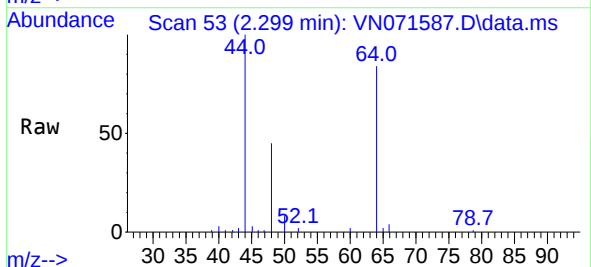
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

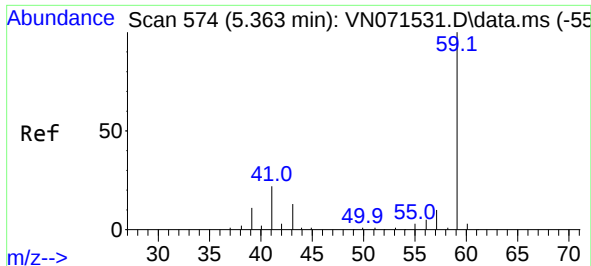
Tgt Ion:168 Resp: 778504
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 50 Resp: 3287
Ion Ratio Lower Upper
50 100
52 26.9 25.7 38.5

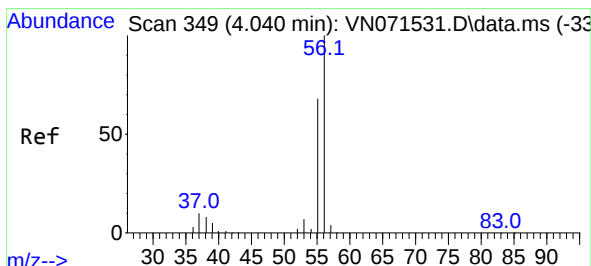
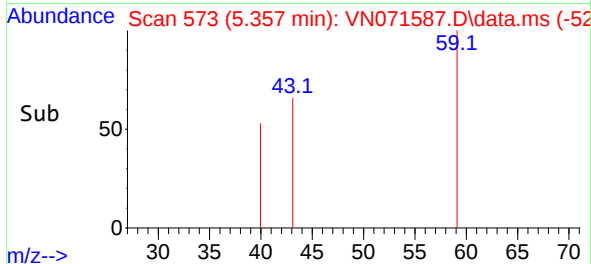
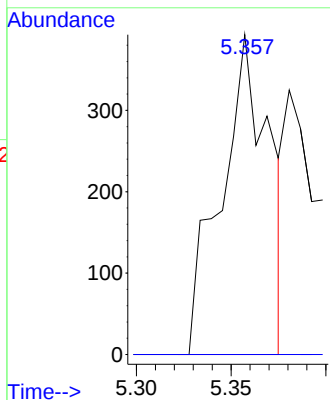
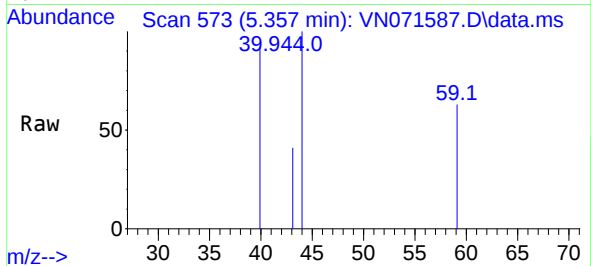




#11
Tert butyl alcohol
Concen: 0.384 ug/l
RT: 5.357 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

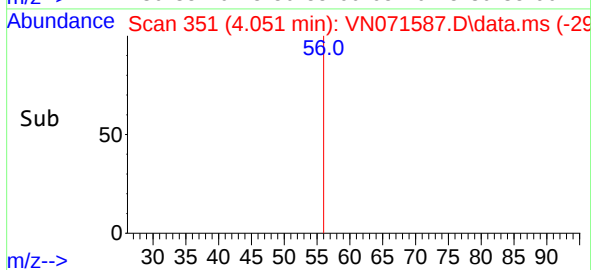
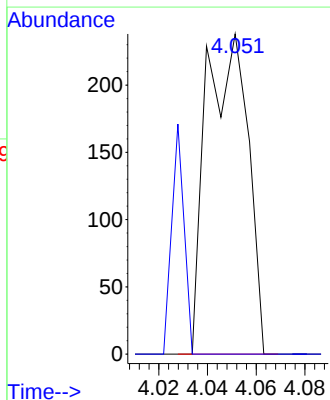
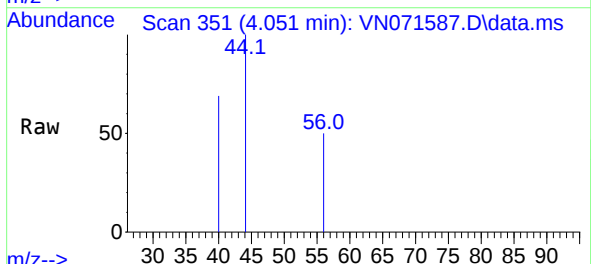
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

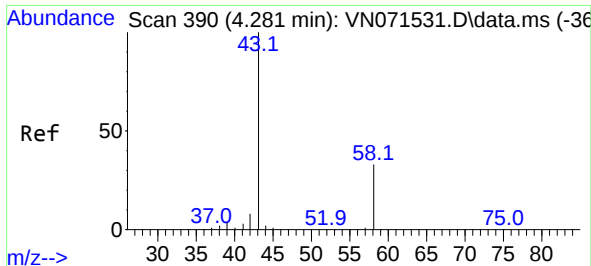
Tgt Ion: 59 Resp: 692
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.205 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.011 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

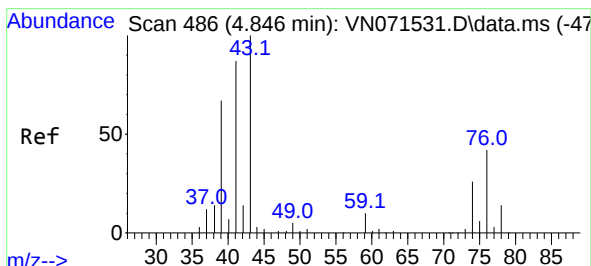
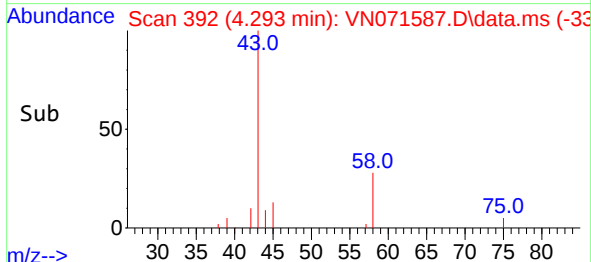
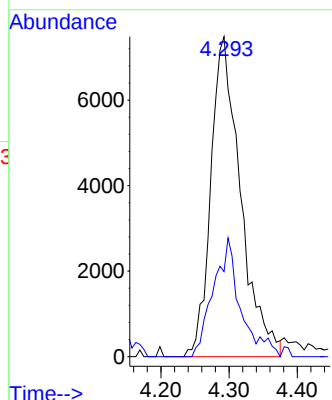
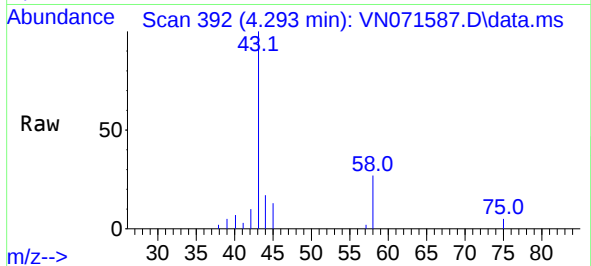




#16
Acetone
Concen: 5.722 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

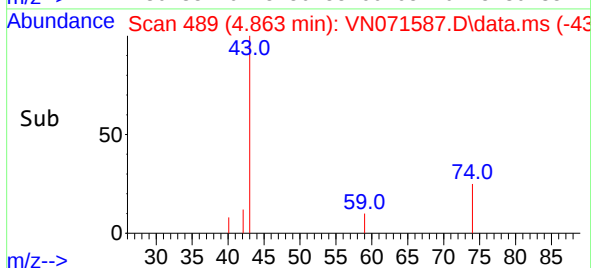
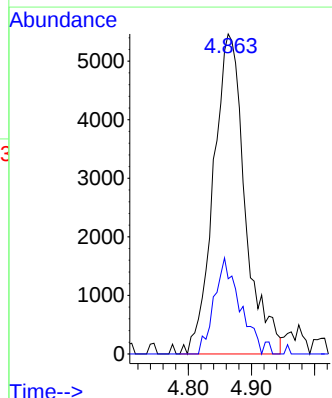
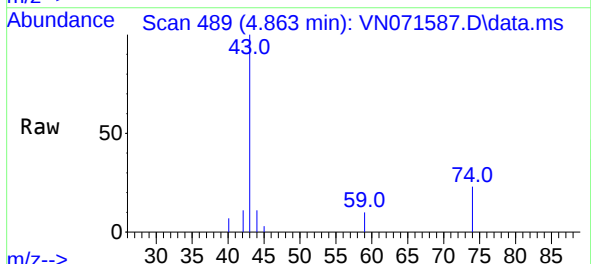
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

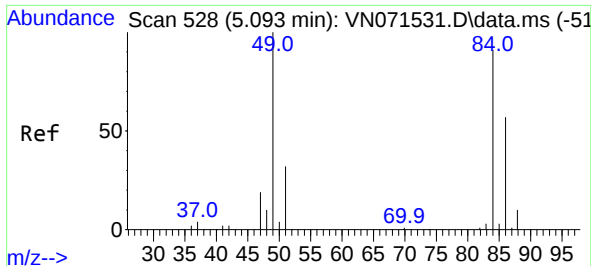
Tgt Ion: 43 Resp: 22686
Ion Ratio Lower Upper
43 100
58 26.6 26.0 39.0



#18
Methyl Acetate
Concen: 0.603 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 43 Resp: 19033
Ion Ratio Lower Upper
43 100
74 24.0 21.6 32.4



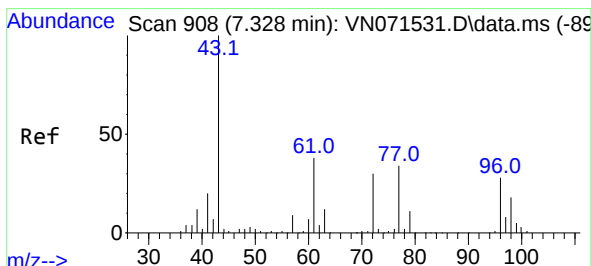
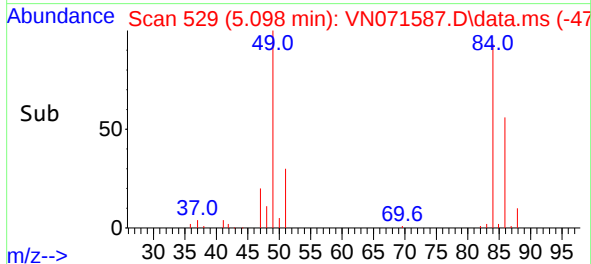
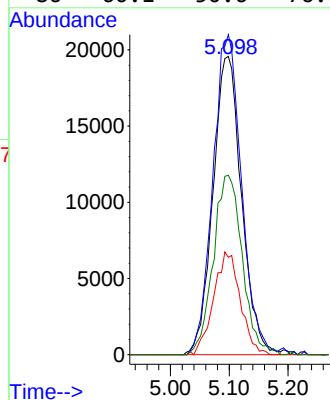
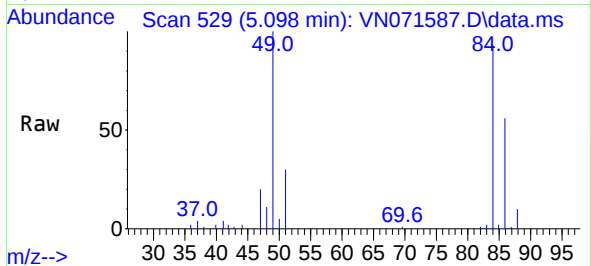


#20
Methylene Chloride
Concen: 7.153 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

Tgt Ion: 84 Resp: 66077

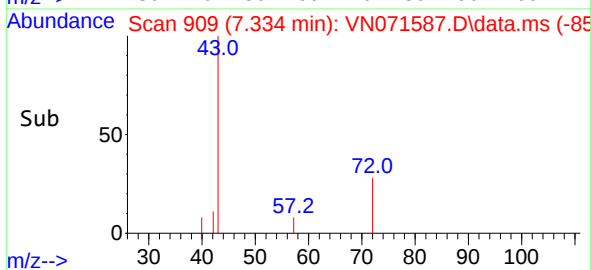
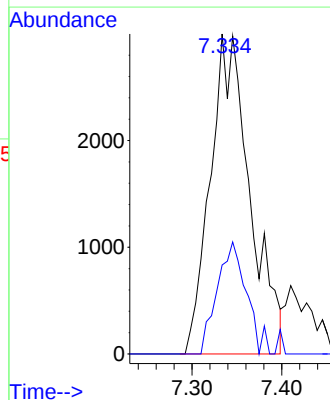
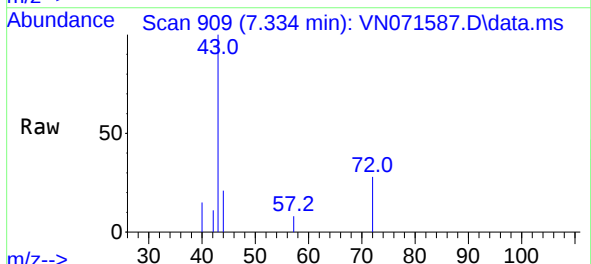
Ion	Ratio	Lower	Upper
84	100		
49	107.3	88.3	132.5
51	32.6	28.2	42.2
86	60.1	50.6	76.0

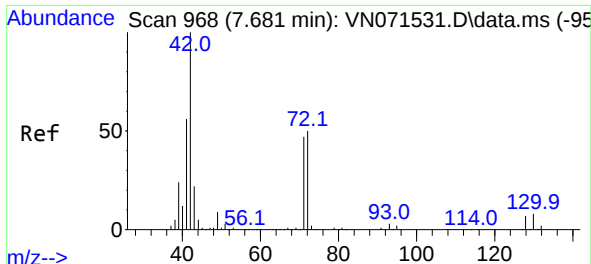


#25
2-Butanone
Concen: 1.444 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 43 Resp: 9185

Ion	Ratio	Lower	Upper
43	100		
72	27.8	23.7	35.5

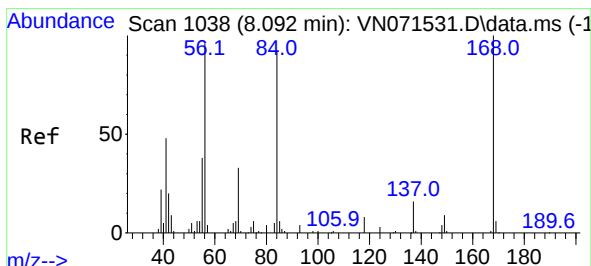
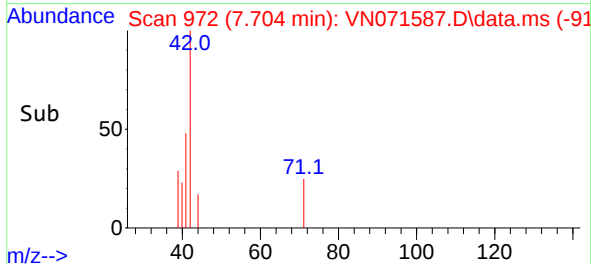
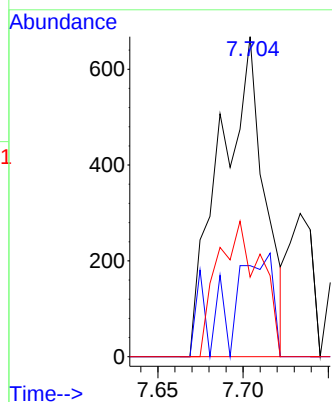
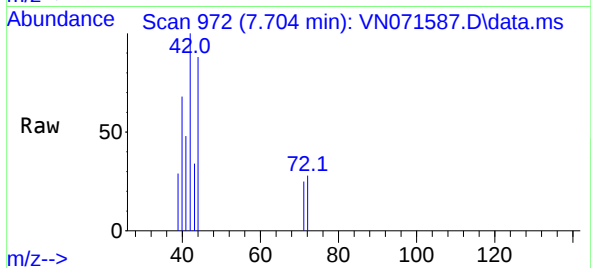




#29
Tetrahydrofuran
Concen: 0.287 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

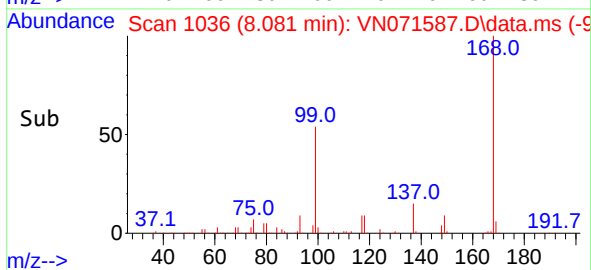
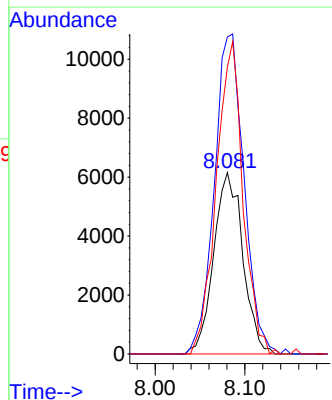
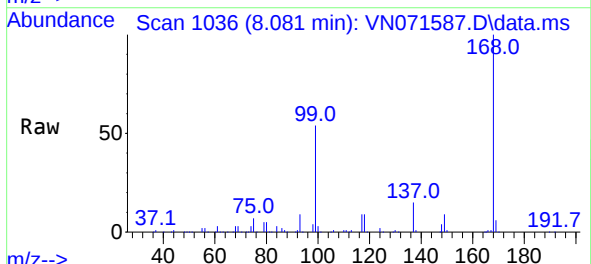
Instrument :
MSVOA_N
ClientSampleId :
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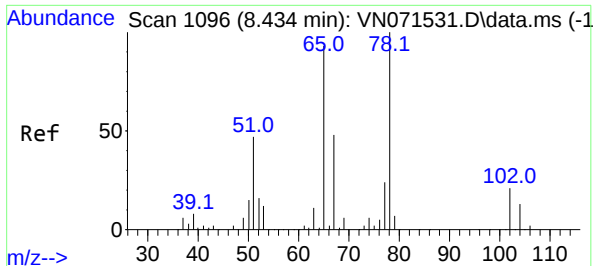
Tgt Ion: 42 Resp: 1212
Ion Ratio Lower Upper
42 100
72 27.6 39.7 59.5#
71 41.2 36.6 55.0



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 56 Resp: 13858
Ion Ratio Lower Upper
56 100
69 174.8 27.8 41.8#
84 158.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.362 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071587.D

Acq: 26 Mar 2022 21:03

Instrument :

MSVOA_N

ClientSampleId :

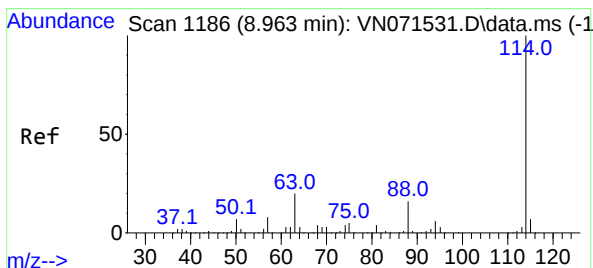
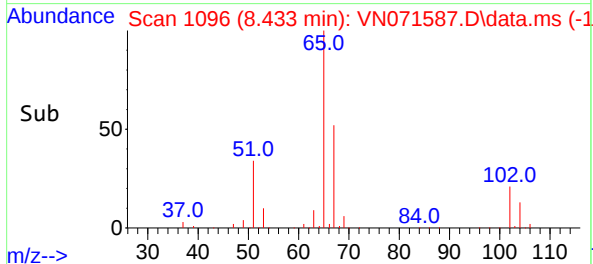
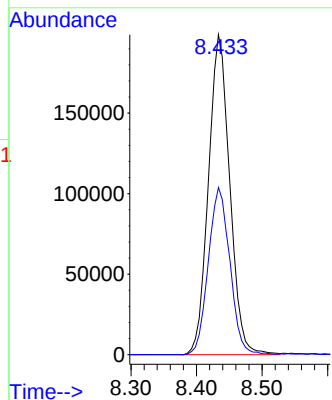
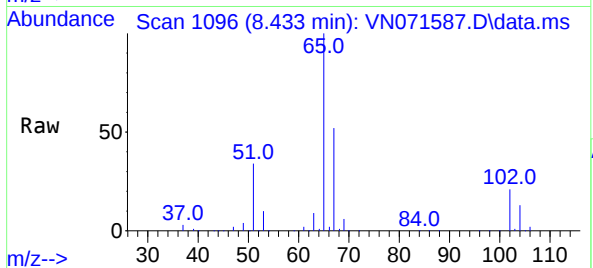
PB143635TB

Tgt Ion: 65 Resp: 448417

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071587.D

Acq: 26 Mar 2022 21:03

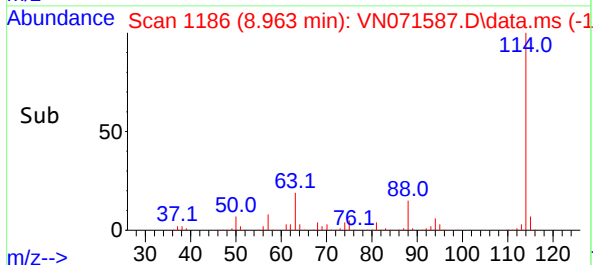
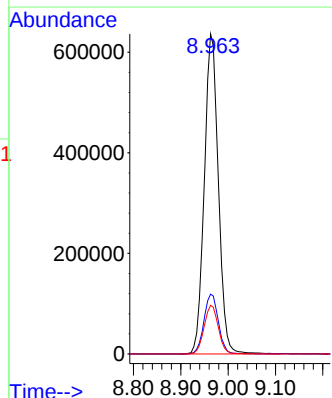
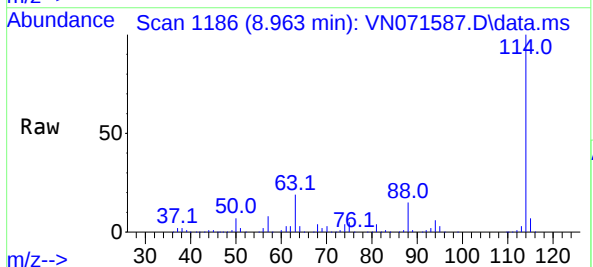
Tgt Ion: 114 Resp: 1311778

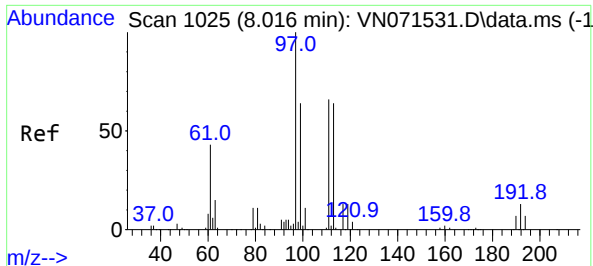
Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.2 0.0 32.6

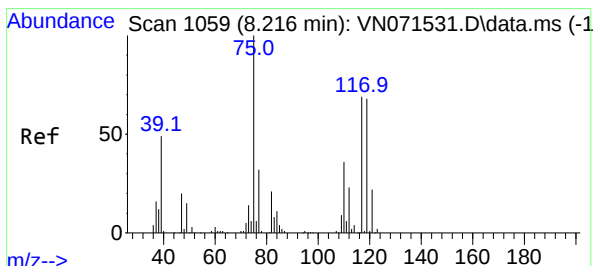
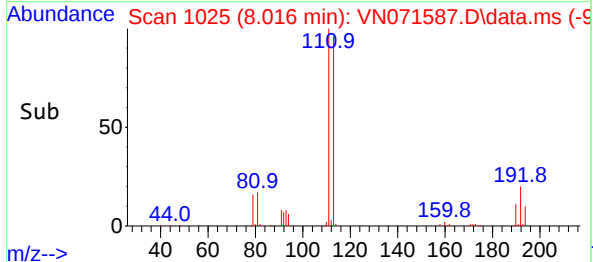
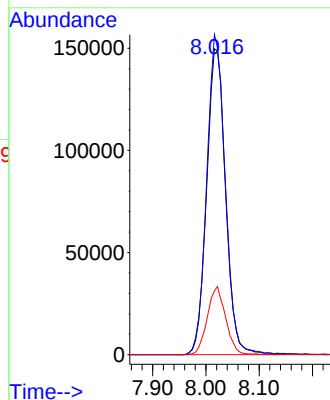
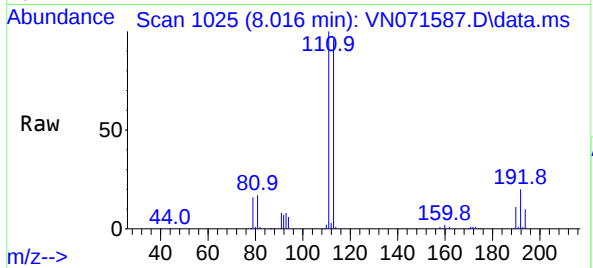




#35
Dibromofluoromethane
Concen: 44.917 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

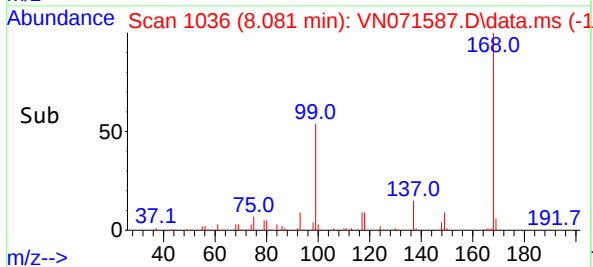
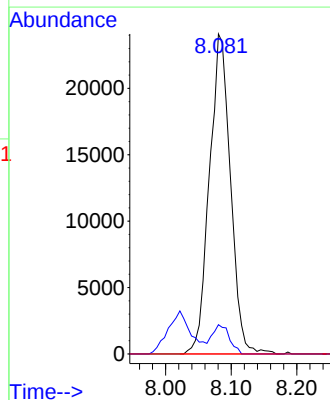
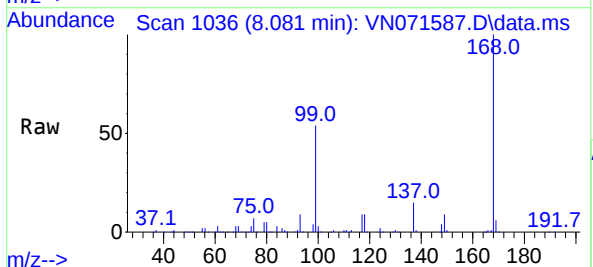
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

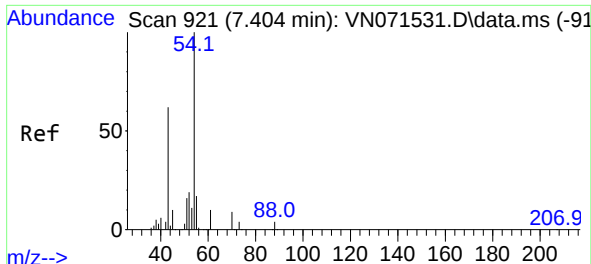
Tgt Ion:113 Resp: 370299
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 21.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.527 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 75 Resp: 53806
Ion Ratio Lower Upper
75 100
110 7.3 18.3 54.8#
77 0.0 25.1 37.7#

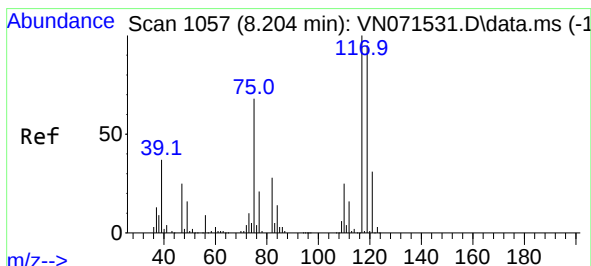
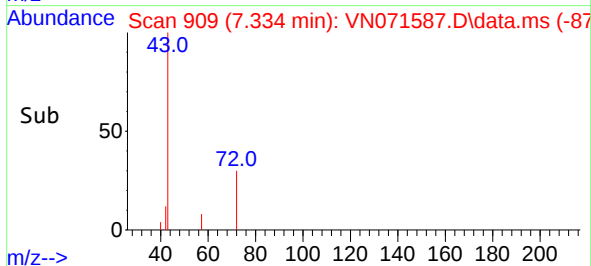
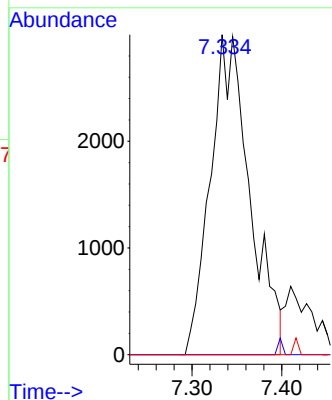
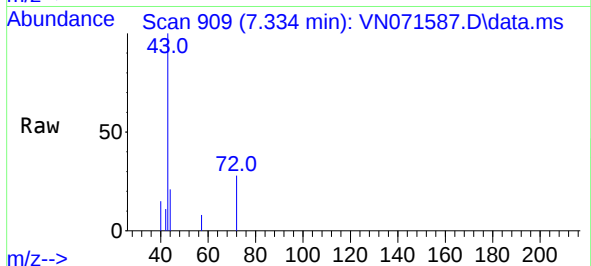




#37
Ethyl Acetate
Concen: 0.709 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.071 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

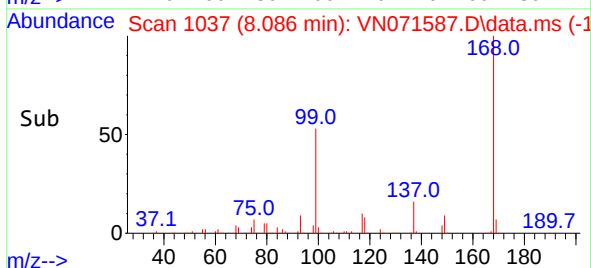
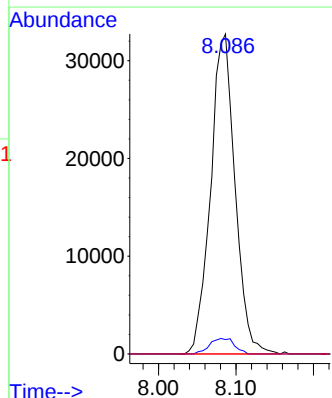
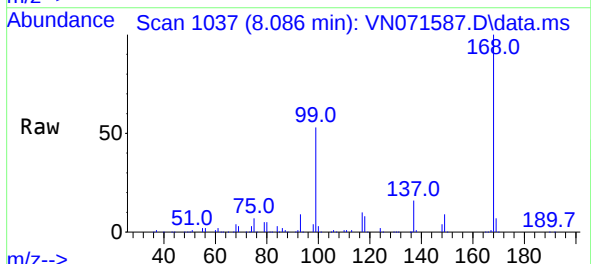
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

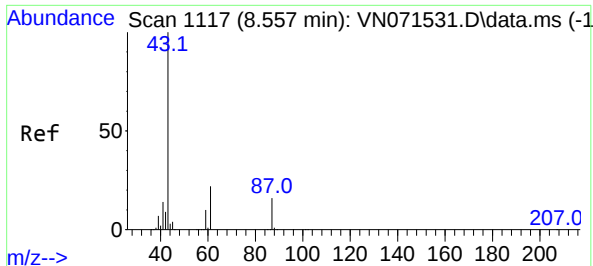
Tgt Ion: 43 Resp: 9185
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.199 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 117 Resp: 71828
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#

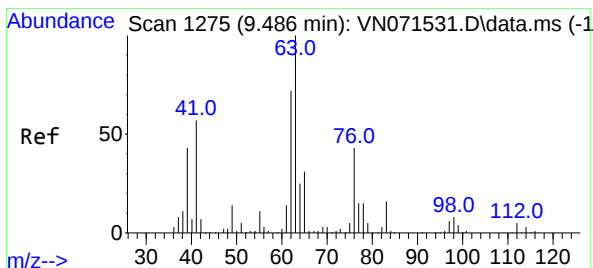
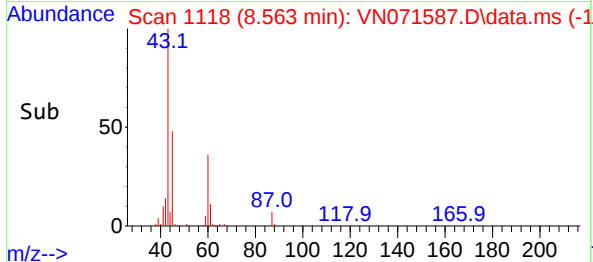
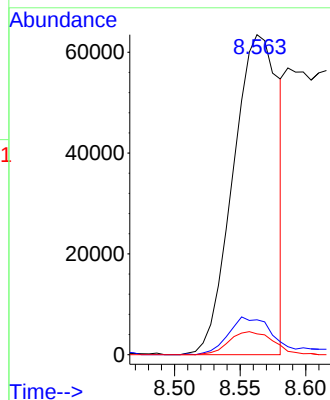
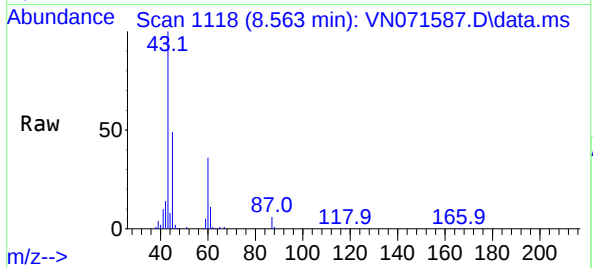




#43
Isopropyl Acetate
Concen: 7.021 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

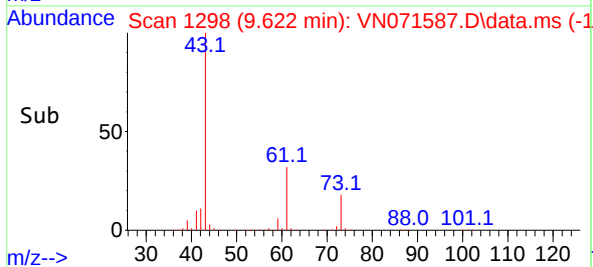
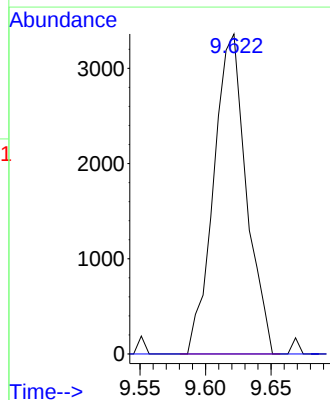
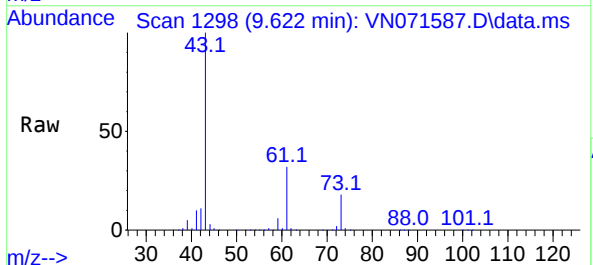
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

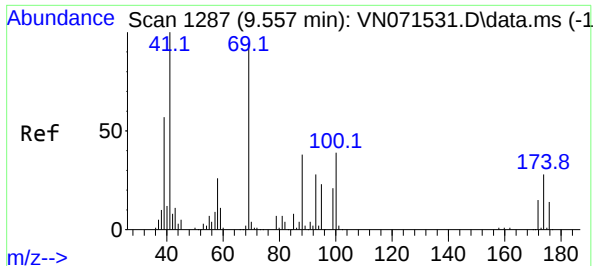
Tgt Ion: 43 Resp: 152673
Ion Ratio Lower Upper
43 100
61 13.6 21.9 32.9#
87 7.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.636 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.135 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 63 Resp: 5833
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

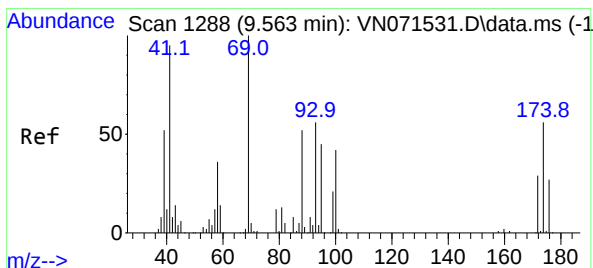
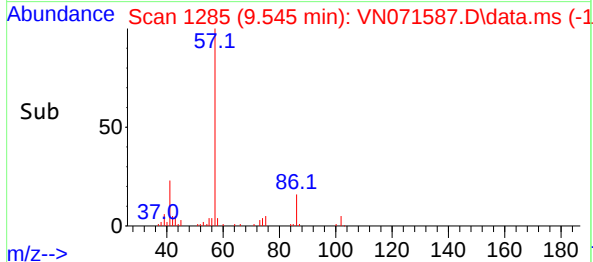
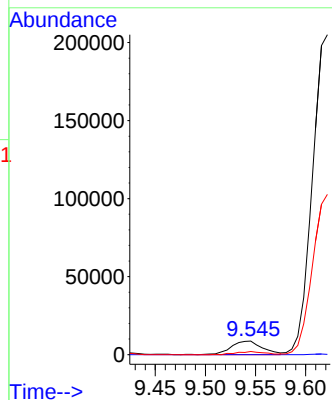
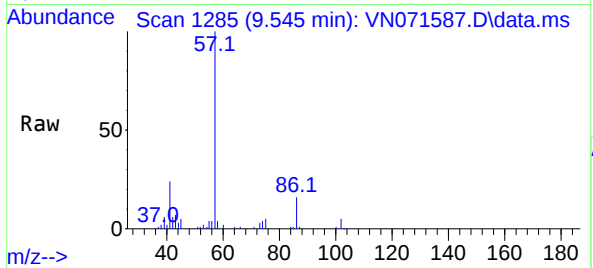




#48
Methyl methacrylate
Concen: 2.026 ug/l
RT: 9.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

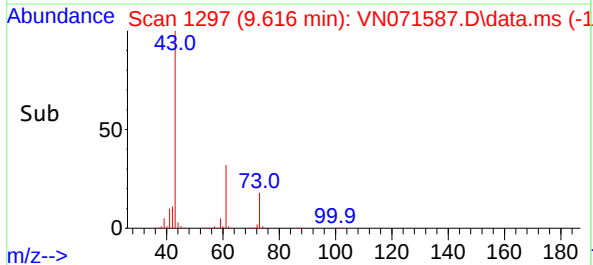
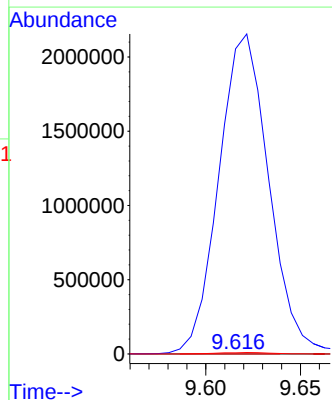
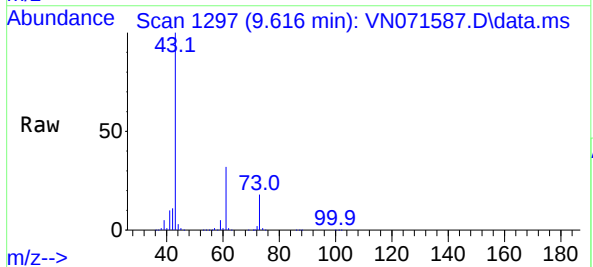
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

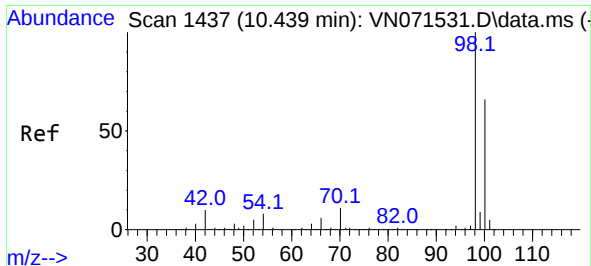
Tgt Ion: 41 Resp: 18946
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 2.599 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 88 Resp: 561
Ion Ratio Lower Upper
88 100
43 716650.8 20.2 30.4#
58 3318.4 54.2 81.4#

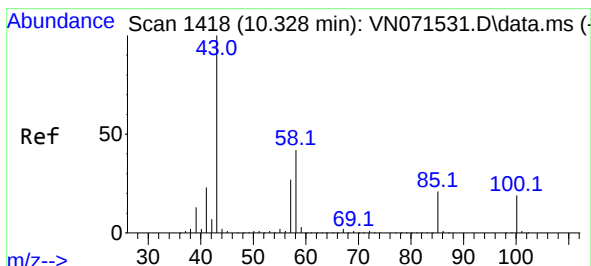
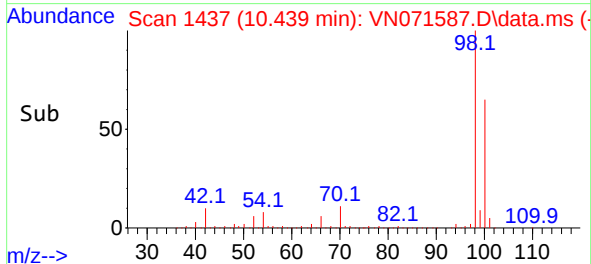
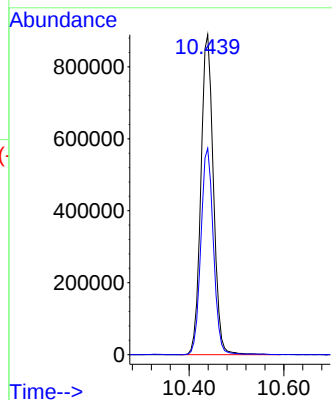
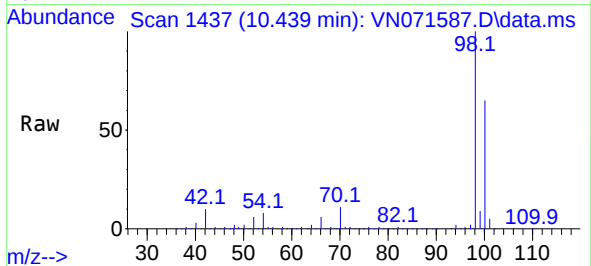




#50
Toluene-d8
Concen: 49.139 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

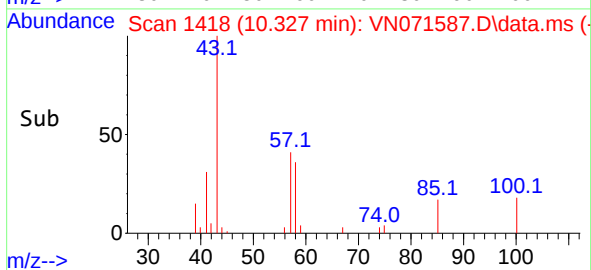
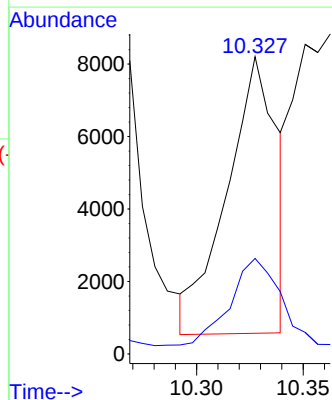
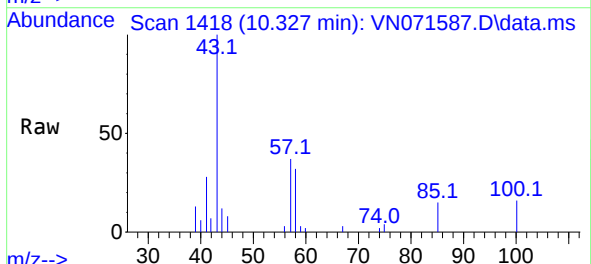
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

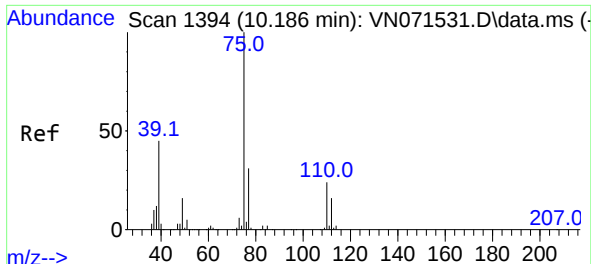
Tgt Ion: 98 Resp: 1634002
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.961 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 43 Resp: 12469
Ion Ratio Lower Upper
43 100
58 40.9 34.1 51.1

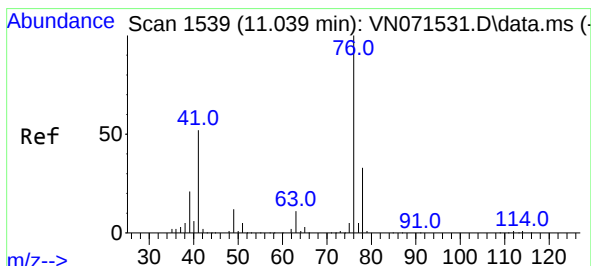
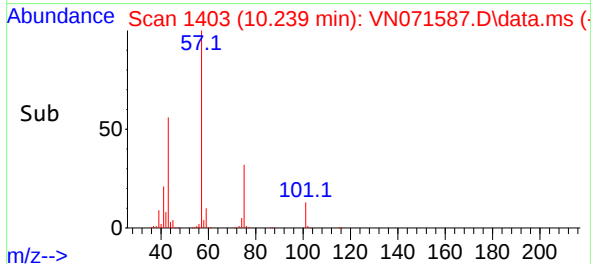
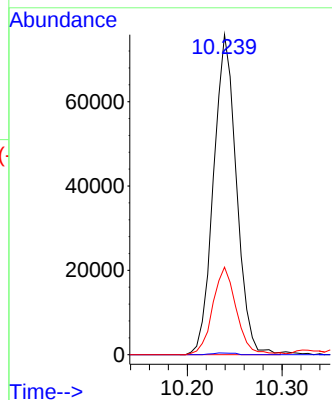
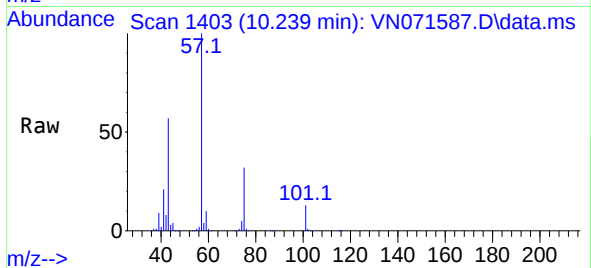




#54
cis-1,3-Dichloropropene
Concen: 8.812 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

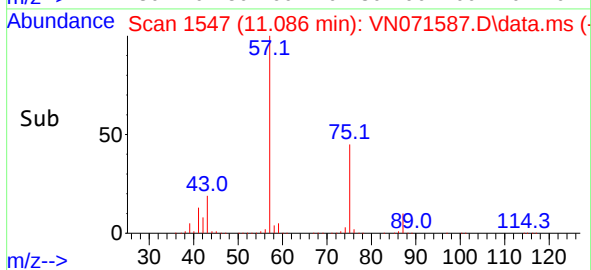
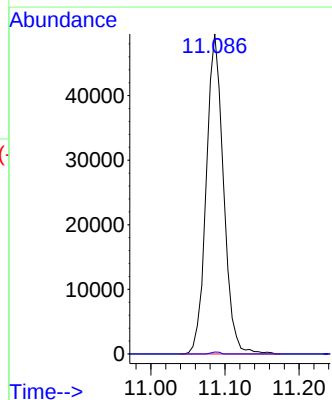
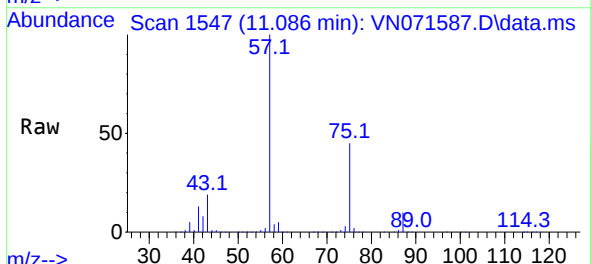
Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

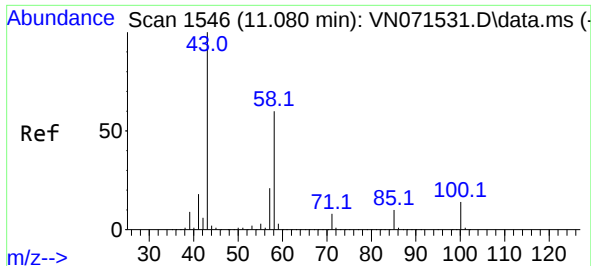
Tgt Ion: 75 Resp: 127755
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 27.4 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 5.075 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 76 Resp: 80168
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

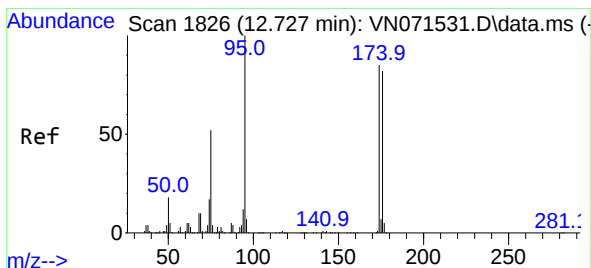
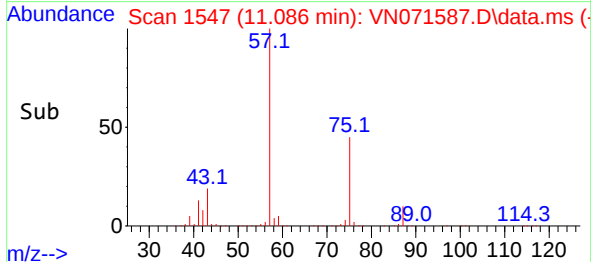
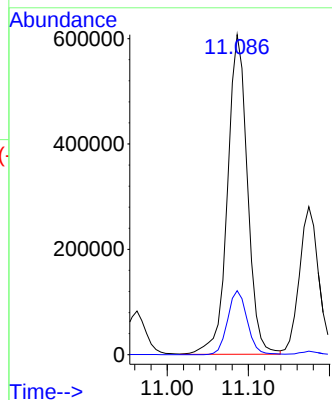
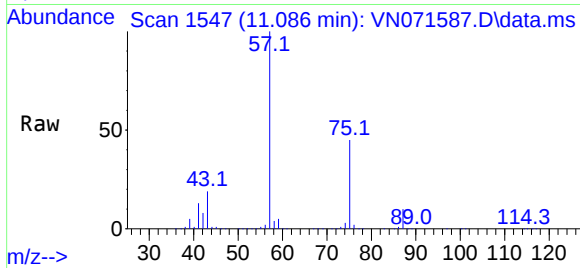




#59
2-Hexanone
Concen: 111.009 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

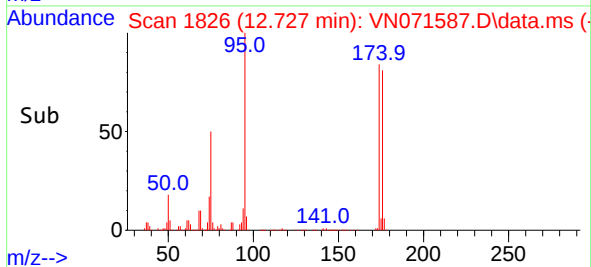
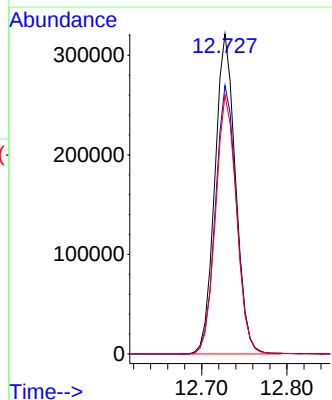
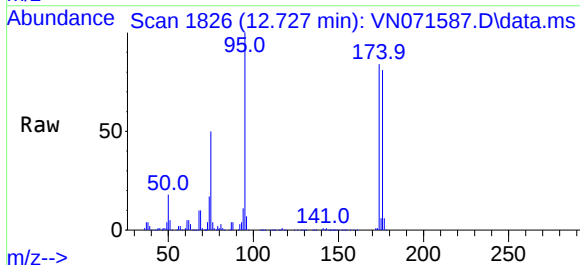
Instrument :
MSVOA_N
ClientSampleId :
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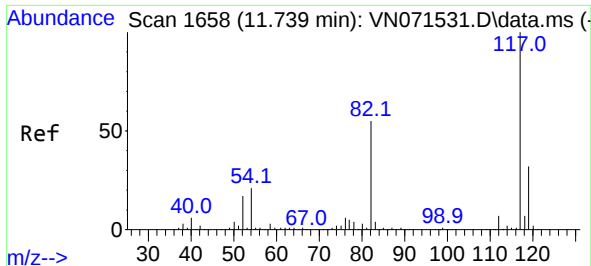
Tgt Ion: 43 Resp: 1038044
Ion Ratio Lower Upper
43 100
58 19.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.751 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 95 Resp: 542069
Ion Ratio Lower Upper
95 100
174 85.5 0.0 167.6
176 81.9 0.0 163.4

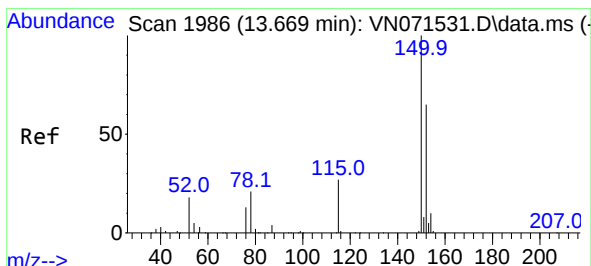
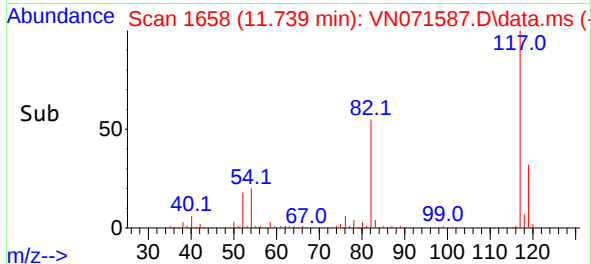
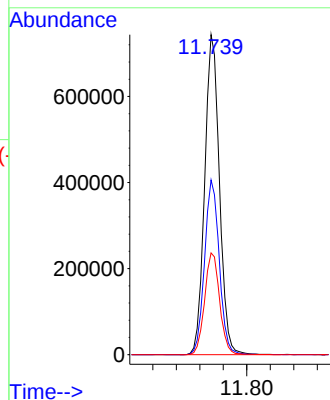
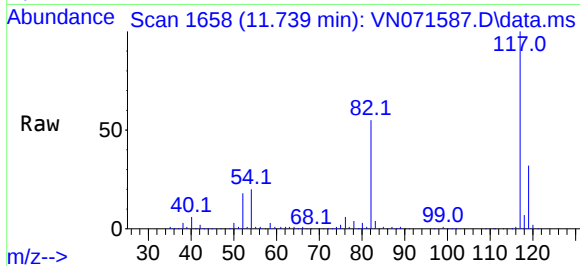




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

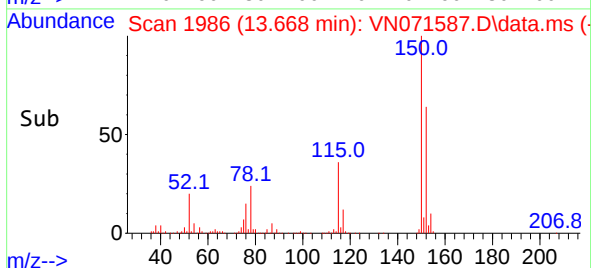
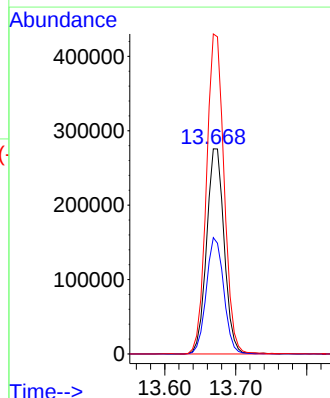
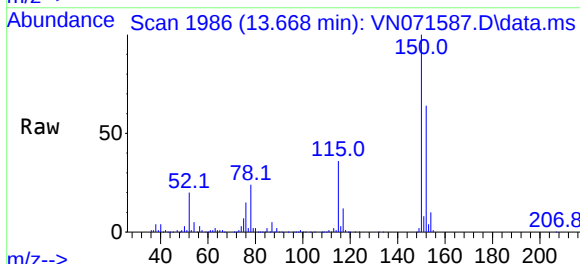
Instrument :
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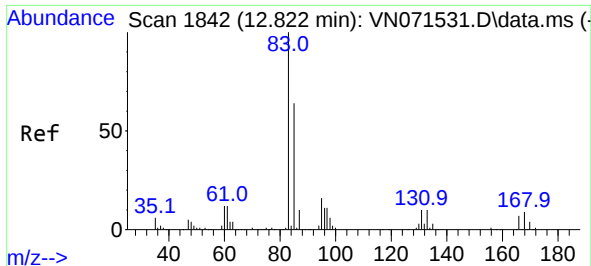
Tgt Ion:117 Resp: 1300227
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion:152 Resp: 475080
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 156.4 0.0 356.2

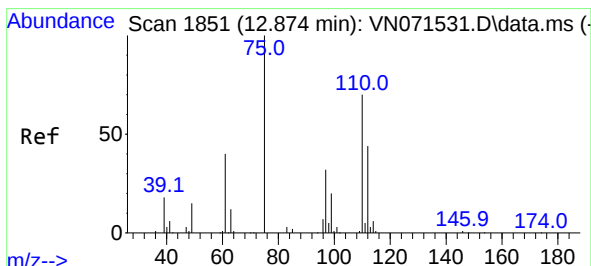
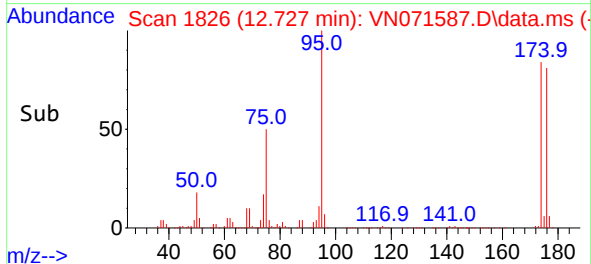
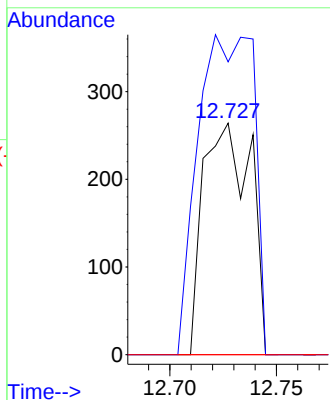
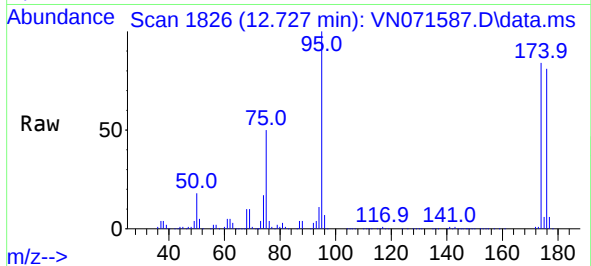




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1842
Delta R.T. -0.095 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

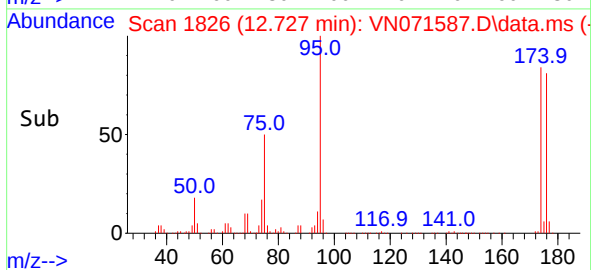
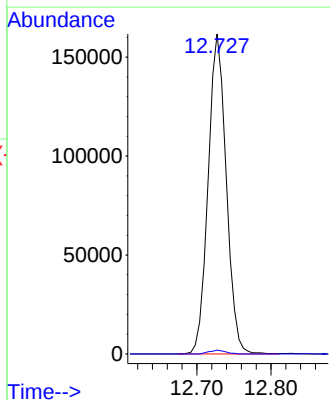
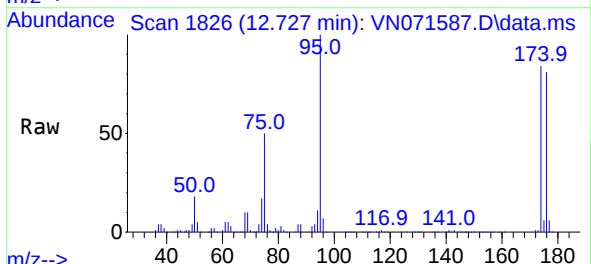
Instrument :
MSVOA_N
ClientSampleId :
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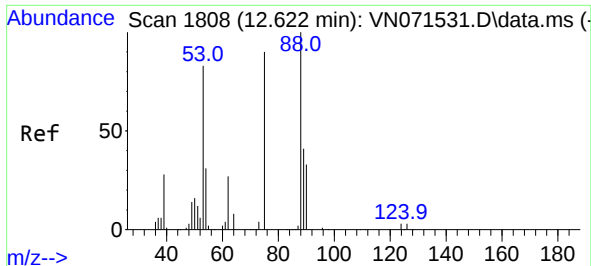
Tgt Ion: 83 Resp: 408
Ion Ratio Lower Upper
83 100
131 163.5 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 25.923 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion: 75 Resp: 274615
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

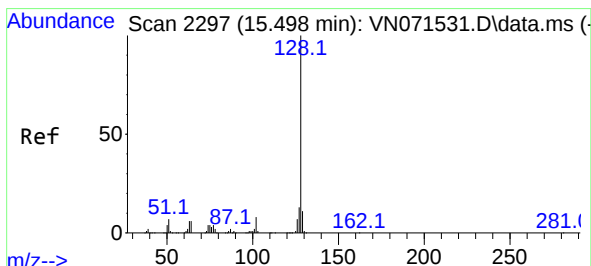
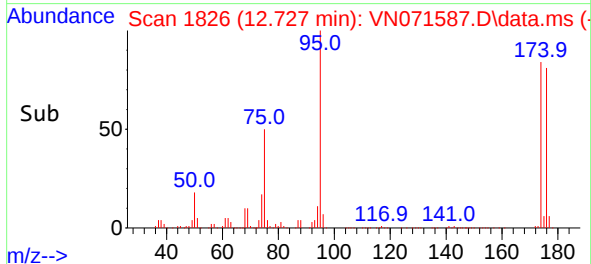
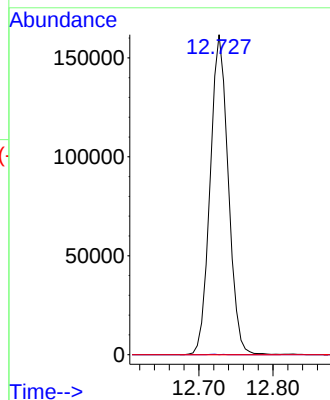
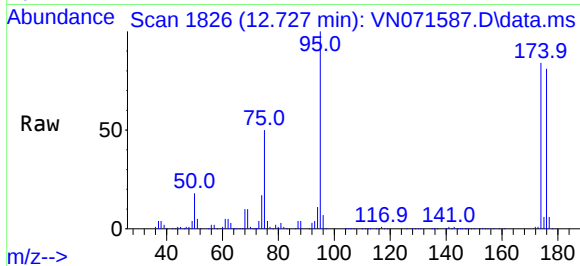




#81
trans-1,4-Dichloro-2-butene
Concen: 69.402 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Instrument :
MSVOA_N
ClientSampleId :
PB143635TB

Tgt Ion: 75 Resp: 274615
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.372 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN071587.D
Acq: 26 Mar 2022 21:03

Tgt Ion:128 Resp: 4065
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.7 8.6 13.0

