

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071884.D
 Acq On : 06 Apr 2022 17:07
 Operator : JC\MD
 Sample : PB143897ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143897ZHE#04

Quant Time: Apr 07 04:29:03 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)

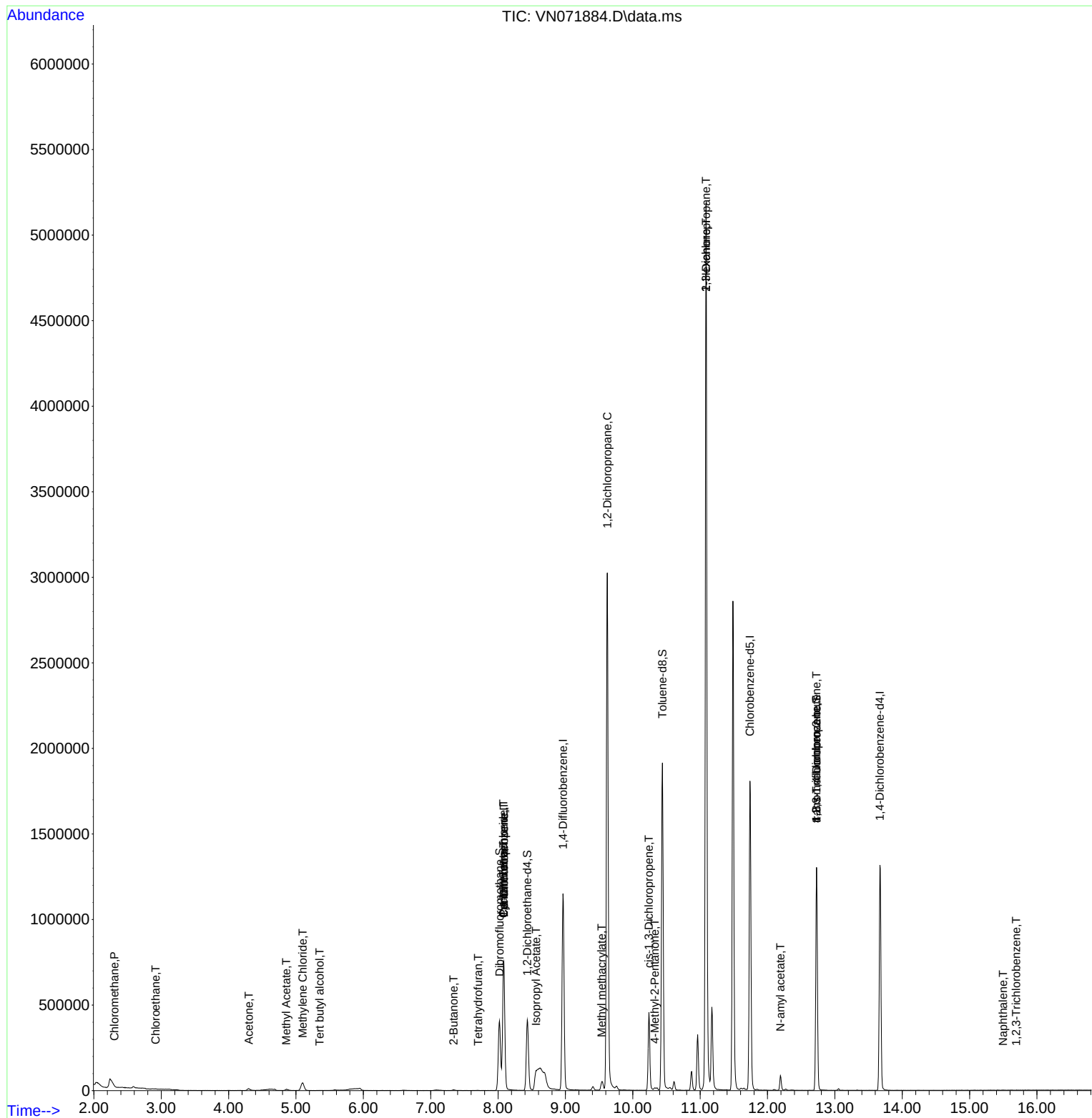
Internal Standards						
1) Pentafluorobenzene	8.086	168	634018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1085895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1133786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	398997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	348119	48.096	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.200%
35) Dibromofluoromethane	8.022	113	307951	48.194	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.380%
50) Toluene-d8	10.439	98	1386183	53.030	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.060%
62) 4-Bromofluorobenzene	12.727	95	463757	54.857	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2049	0.321	ug/l #	81
6) Chloroethane	2.916	64	1548	0.307	ug/l #	42
11) Tert butyl alcohol	5.351	59	328	0.279	ug/l #	72
16) Acetone	4.298	43	18455	5.966	ug/l	89
18) Methyl Acetate	4.857	43	14129	0.341	ug/l	99
20) Methylene Chloride	5.098	84	38454	5.898	ug/l	93
25) 2-Butanone	7.339	43	8119	1.821	ug/l	96
29) Tetrahydrofuran	7.704	42	949	0.329	ug/l #	34
31) Cyclohexane	8.080	56	10271	1.043	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	43802	4.909	ug/l #	48
38) Carbon Tetrachloride	8.080	117	56249	6.432	ug/l #	15
43) Isopropyl Acetate	8.563	43	140849	8.670	ug/l #	70
45) 1,2-Dichloropropane	9.622	63	4094	0.581	ug/l #	44
48) Methyl methacrylate	9.539	41	13656	2.026	ug/l #	10
49) 1,4-Dioxane	9.627	88	617	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	8322	0.891	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	93268	8.558	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	59194	4.828	ug/l #	42
59) 2-Hexanone	11.086	43	723837	110.075	ug/l #	49
74) N-amyl acetate	12.192	43	24639	2.558	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	223283	24.157	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	223283	74.861	ug/l #	10
95) Naphthalene	15.498	128	824	3.845	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	147	2.437	ug/l #	12

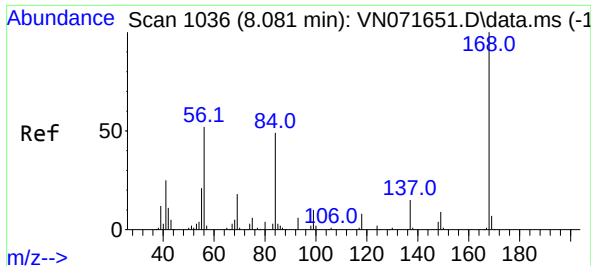
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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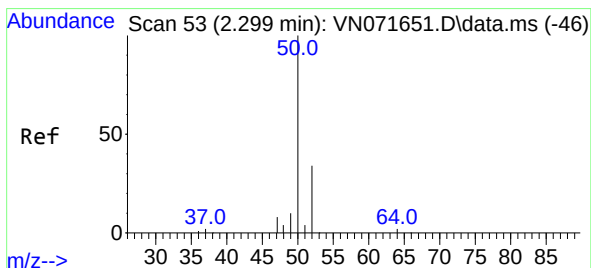
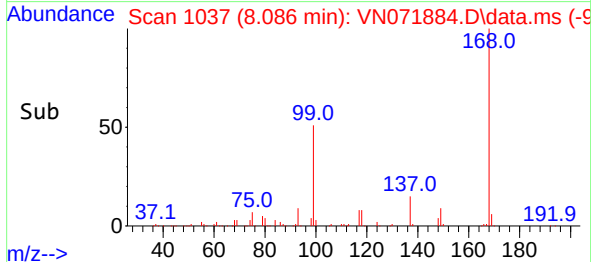
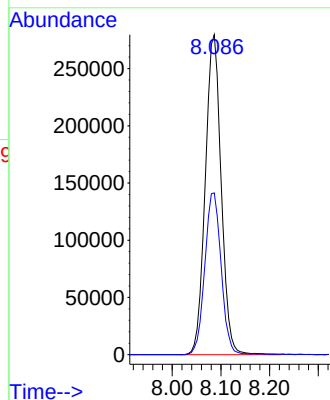
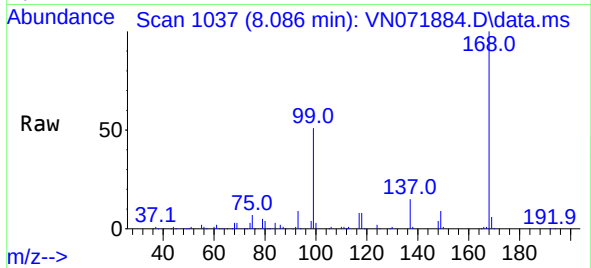




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

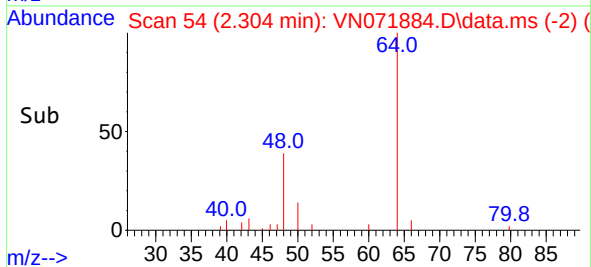
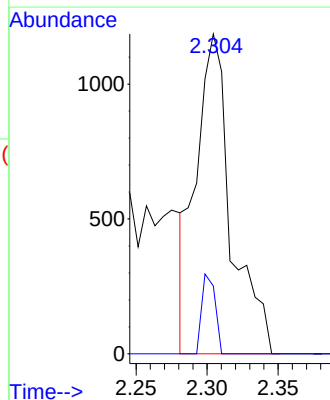
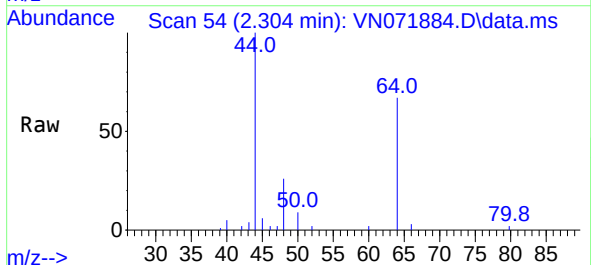
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

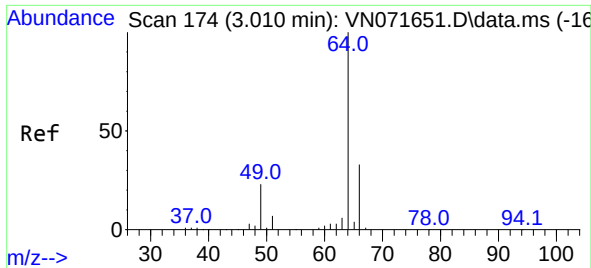
Tgt Ion:168 Resp: 634018
Ion Ratio Lower Upper
168 100
99 50.6 42.3 63.5



#3
Chloromethane
Concen: 0.321 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 50 Resp: 2049
Ion Ratio Lower Upper
50 100
52 21.2 25.7 38.5#

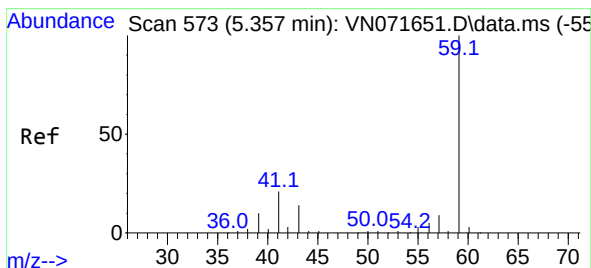
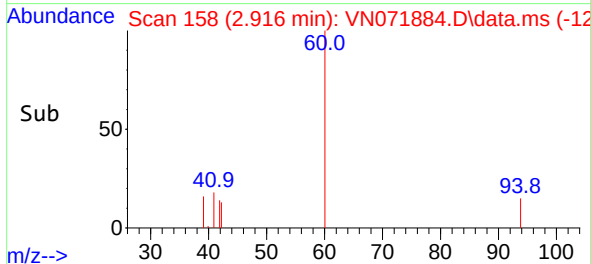
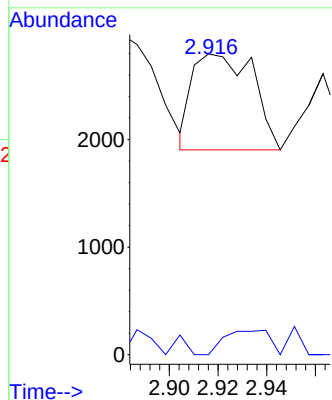
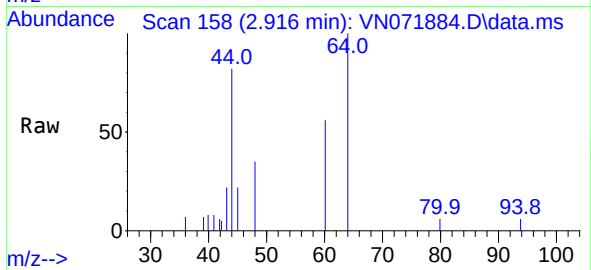




#6
Chloroethane
Concen: 0.307 ug/l
RT: 2.916 min Scan# 11
Delta R.T. -0.094 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

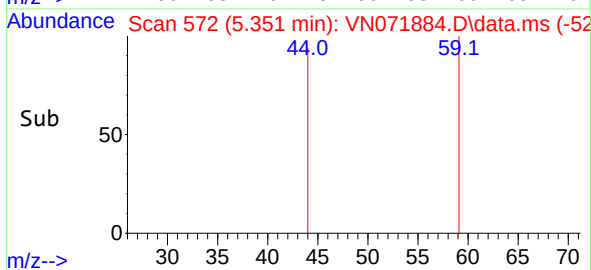
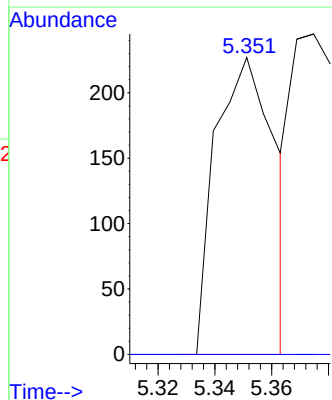
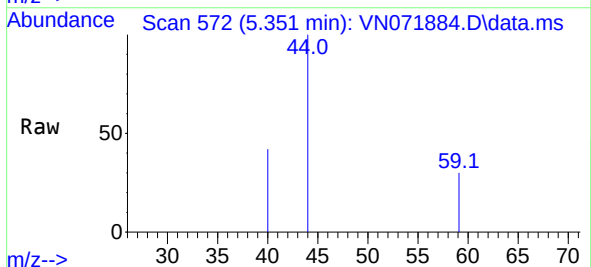
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

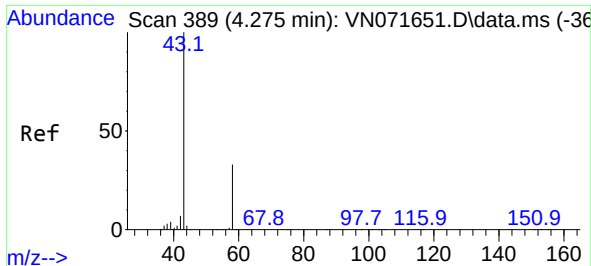
Tgt Ion: 64 Resp: 1548
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.279 ug/l
RT: 5.351 min Scan# 572
Delta R.T. -0.006 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

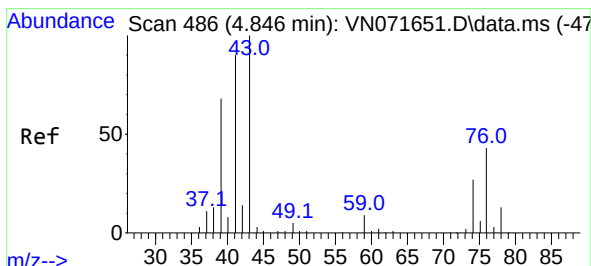
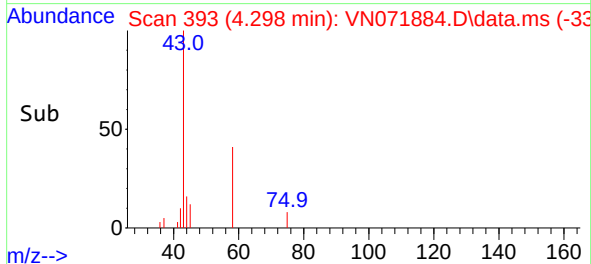
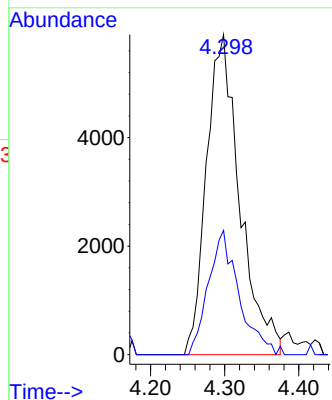
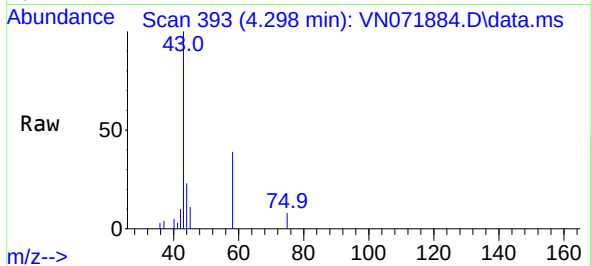




#16
Acetone
Concen: 5.966 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

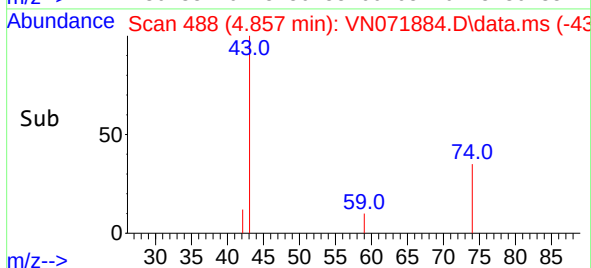
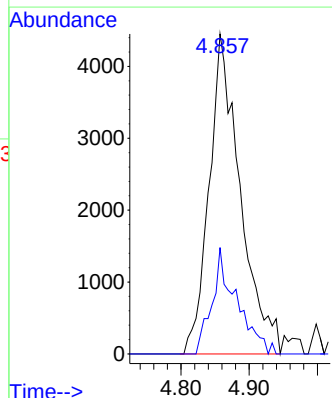
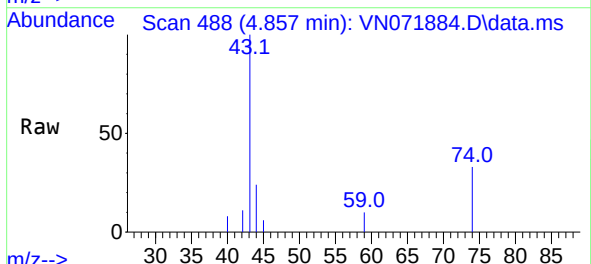
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

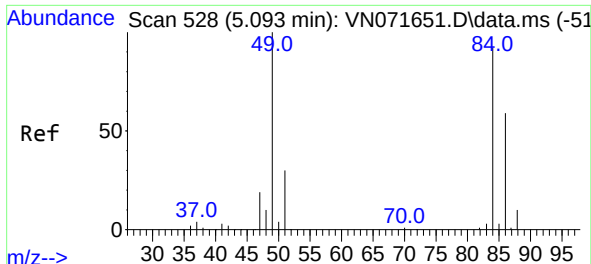
Tgt Ion: 43 Resp: 18455
Ion Ratio Lower Upper
43 100
58 38.9 26.0 39.0



#18
Methyl Acetate
Concen: 0.341 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 43 Resp: 14129
Ion Ratio Lower Upper
43 100
74 26.4 21.6 32.4



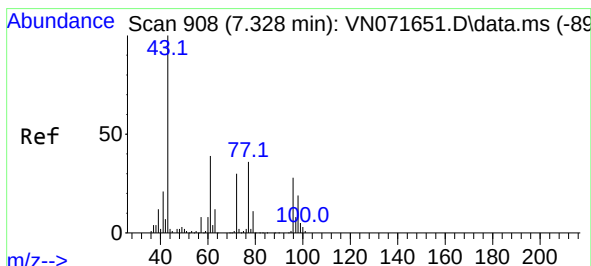
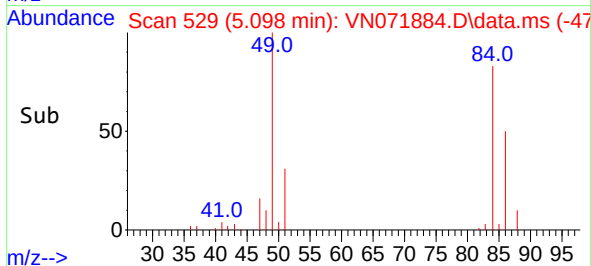
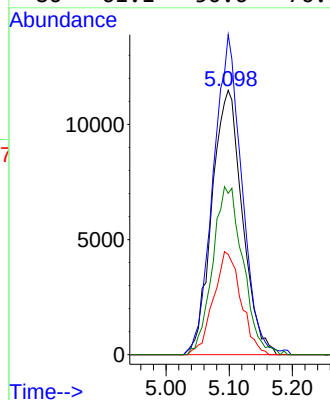
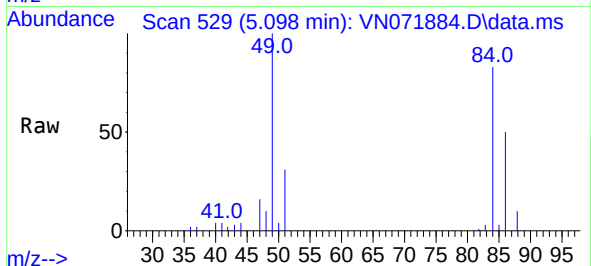


#20
Methylene Chloride
Concen: 5.898 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

Tgt Ion: 84 Resp: 38454

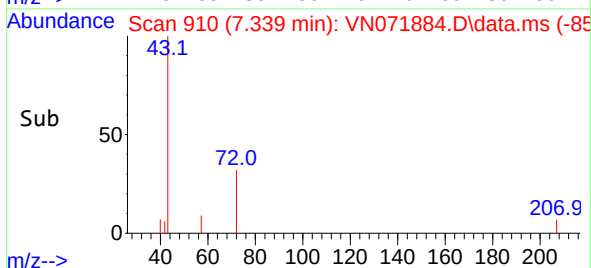
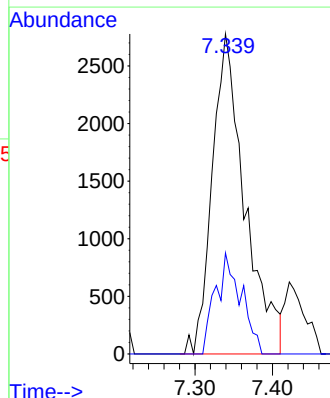
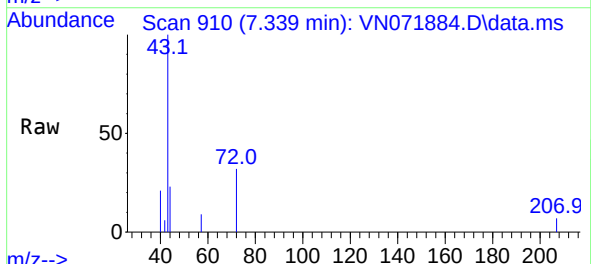
Ion	Ratio	Lower	Upper
84	100		
49	121.1	88.3	132.5
51	38.0	28.2	42.2
86	61.1	50.6	76.0

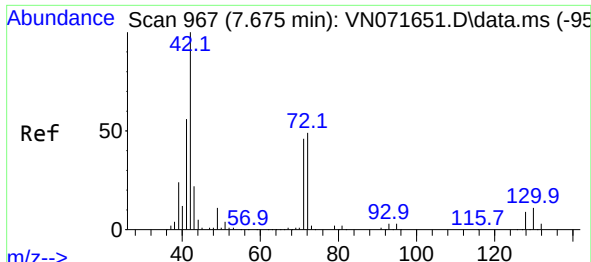


#25
2-Butanone
Concen: 1.821 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 43 Resp: 8119

Ion	Ratio	Lower	Upper
43	100		
72	31.6	23.7	35.5

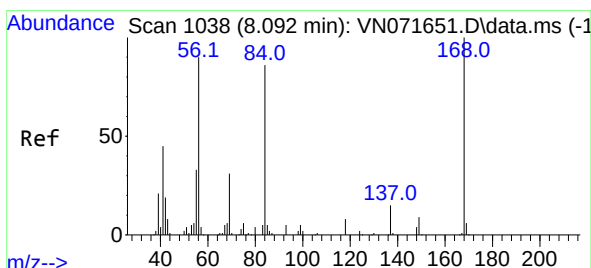
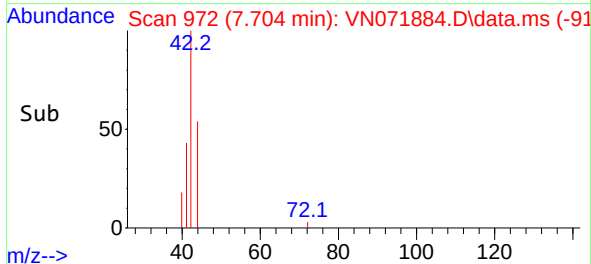
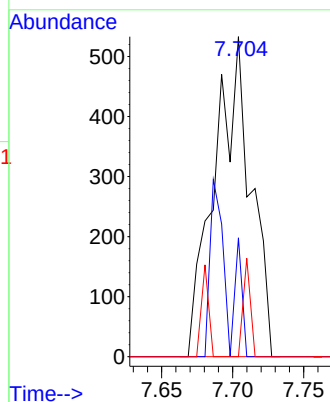
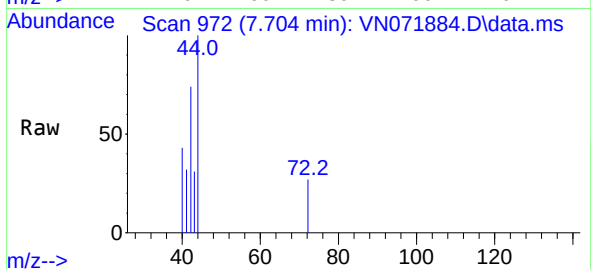




#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

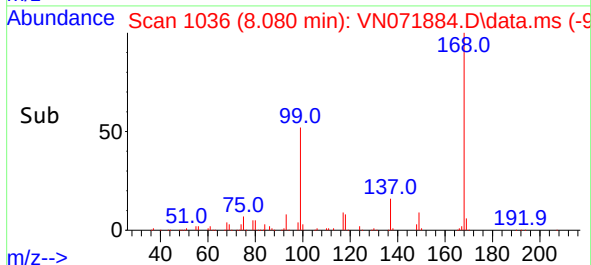
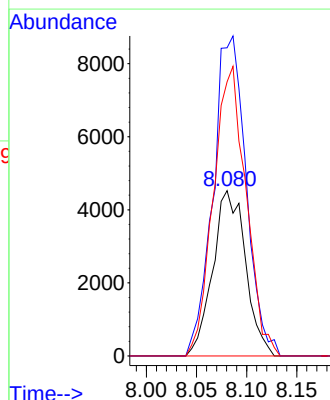
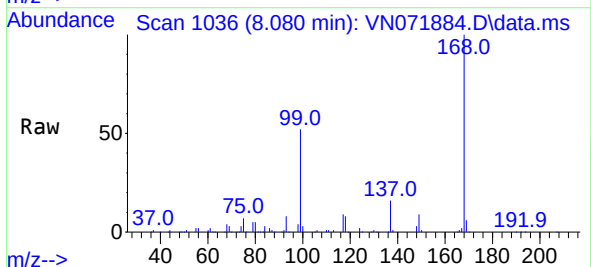
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ClientSampleId :
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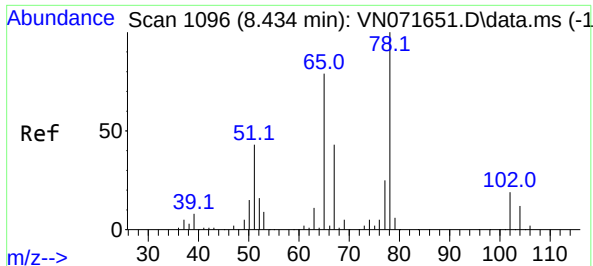
Tgt Ion:	42	Resp:	949
Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.7	59.5#
71	6.1	36.6	55.0#



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion:	56	Resp:	10271
Ion	Ratio	Lower	Upper
56	100		
69	186.3	27.8	41.8#
84	165.7	76.9	115.3#

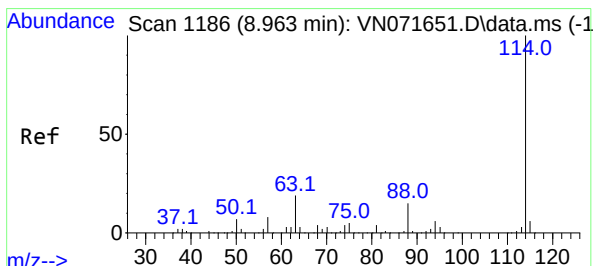
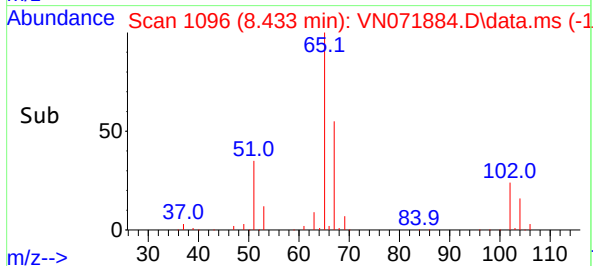
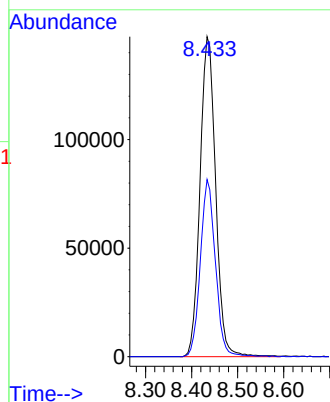
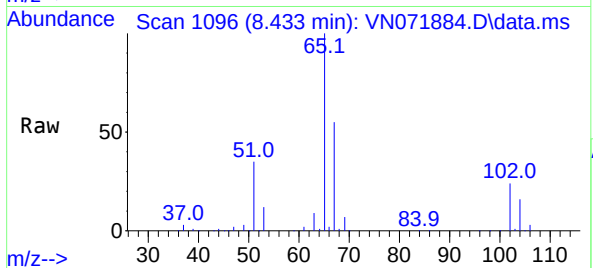




#33
1,2-Dichloroethane-d4
Concen: 48.096 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

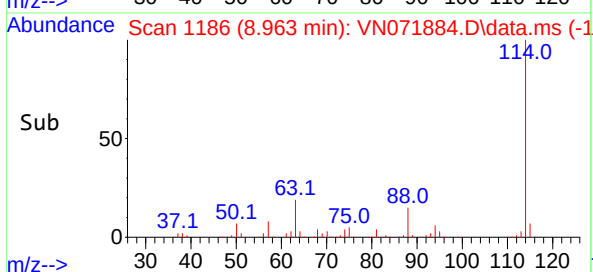
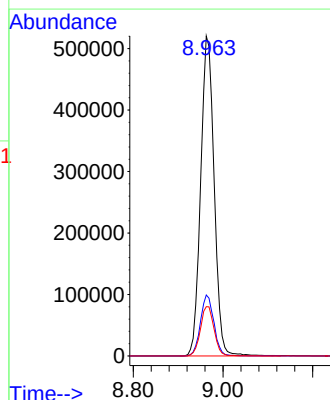
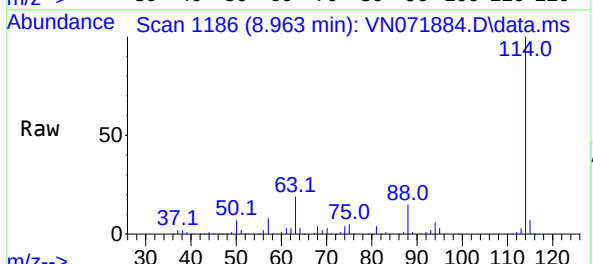
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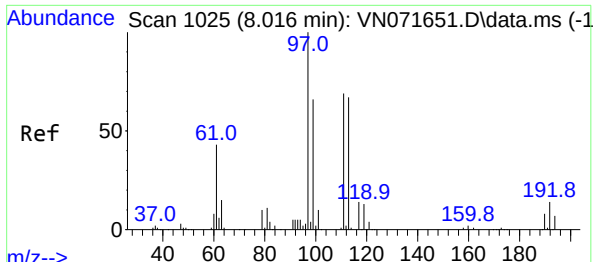
Tgt Ion: 65 Resp: 348119
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion:114 Resp: 1085895
Ion Ratio Lower Upper
114 100
63 19.1 0.0 40.0
88 15.4 0.0 32.6

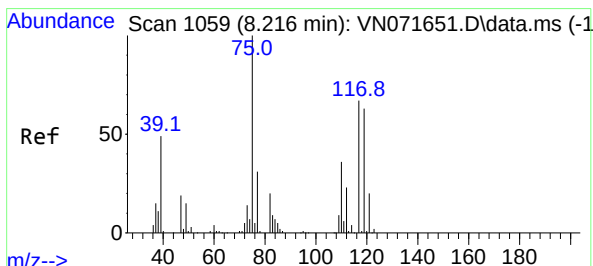
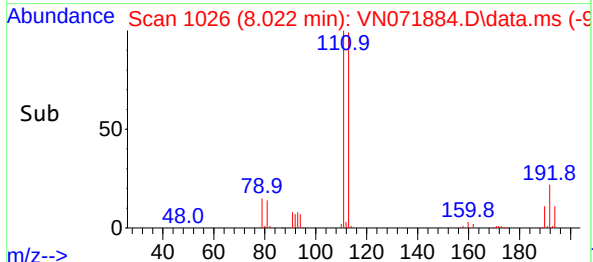
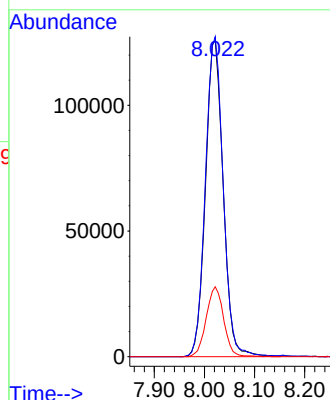
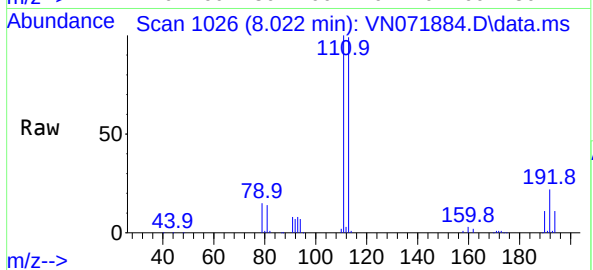




#35
Dibromofluoromethane
Concen: 48.194 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

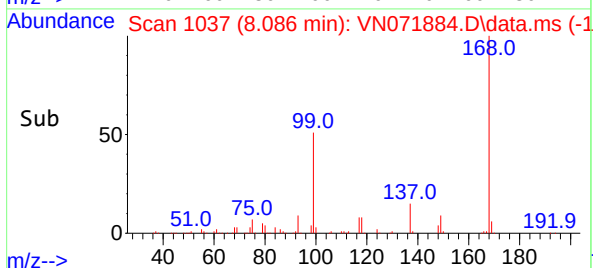
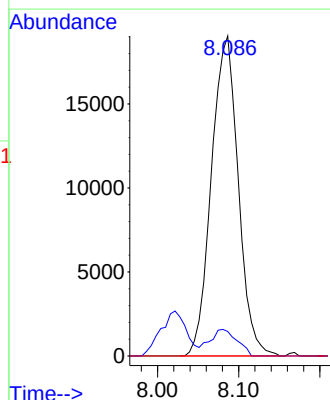
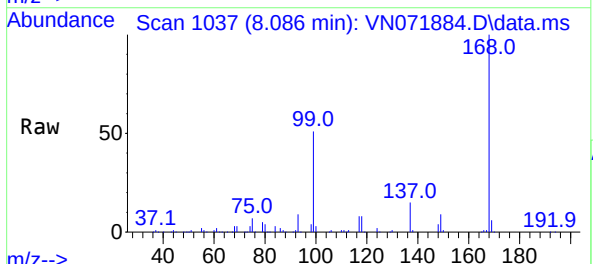
Instrument :
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ClientSampleId :
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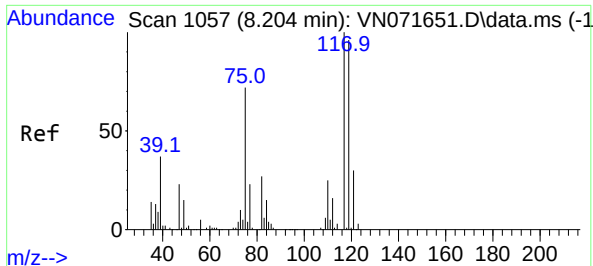
Tgt Ion:113 Resp: 307951
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 21.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.909 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

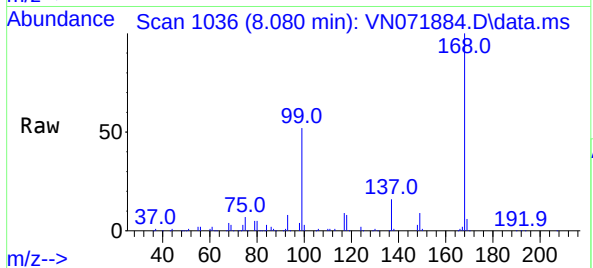
Tgt Ion: 75 Resp: 43802
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 0.0 25.1 37.7#



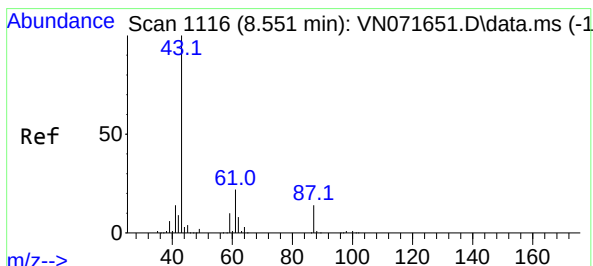
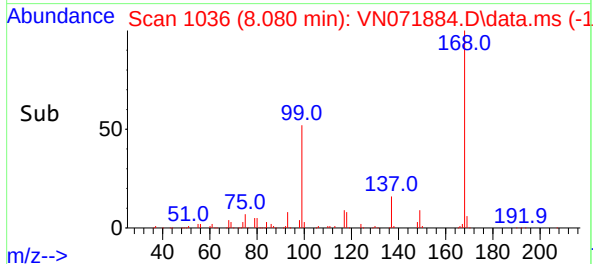
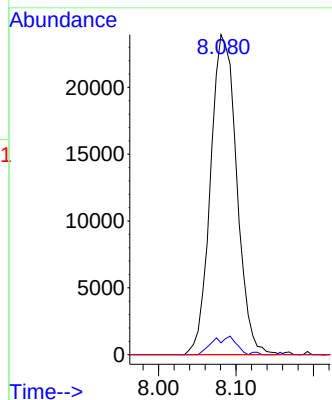


#38
Carbon Tetrachloride
Concen: 6.432 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

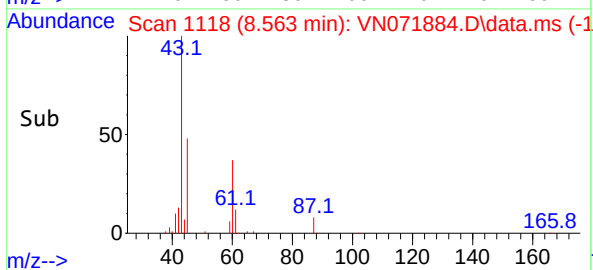
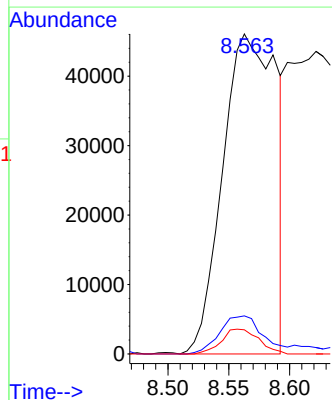
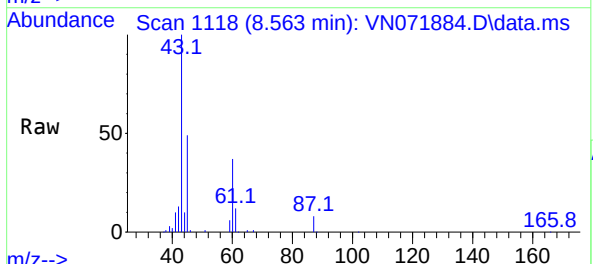


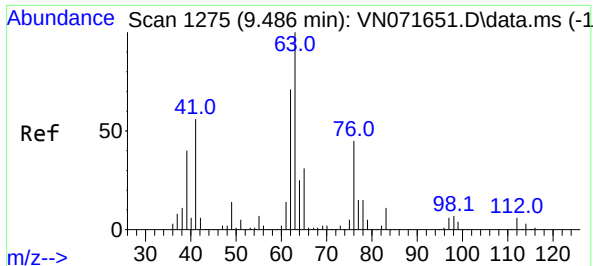
Tgt Ion:117 Resp: 56249
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 8.670 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.012 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 43 Resp: 140849
Ion Ratio Lower Upper
43 100
61 9.6 21.9 32.9#
87 5.4 12.0 18.0#

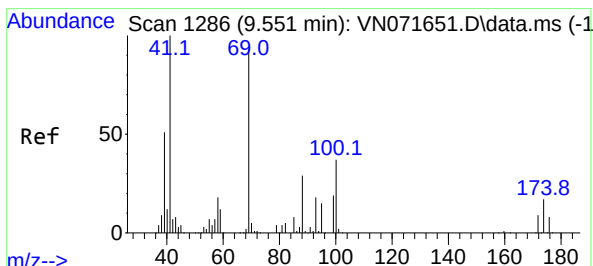
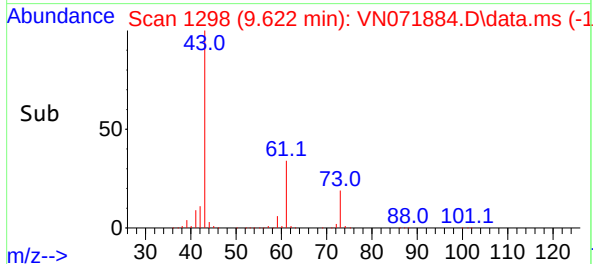
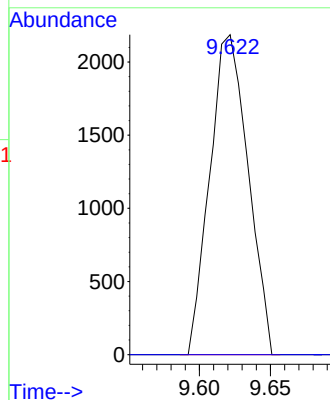
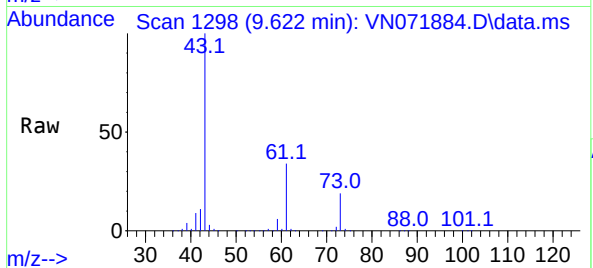




#45
1,2-Dichloropropane
Concen: 0.581 ug/l
RT: 9.622 min Scan# 1275
Delta R.T. 0.136 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

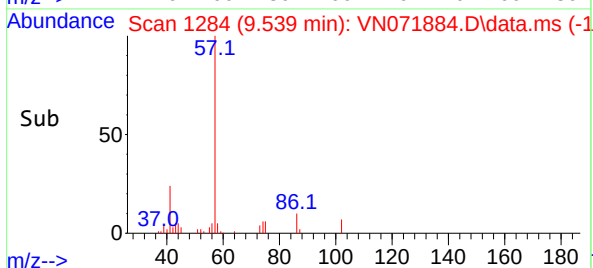
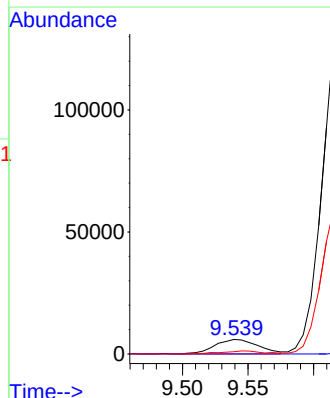
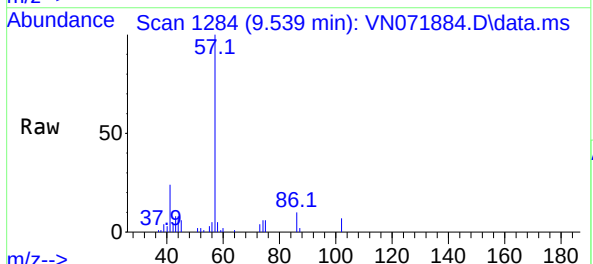
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

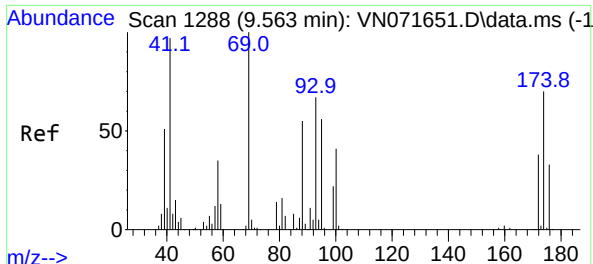
Tgt Ion: 63 Resp: 4094
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.026 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 41 Resp: 13656
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#

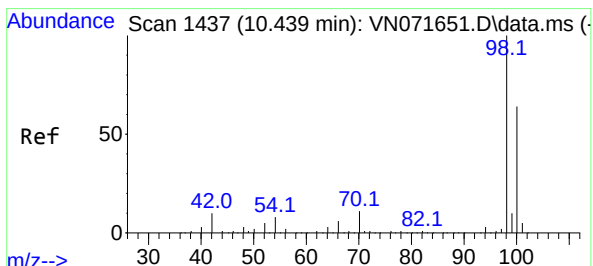
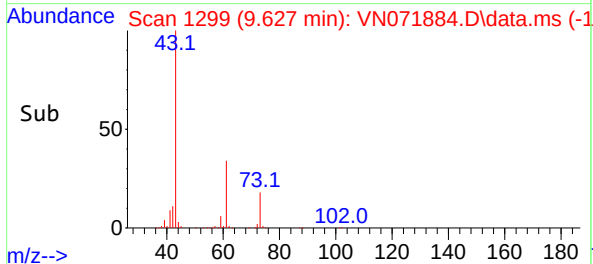
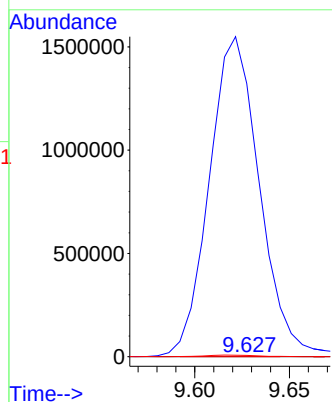
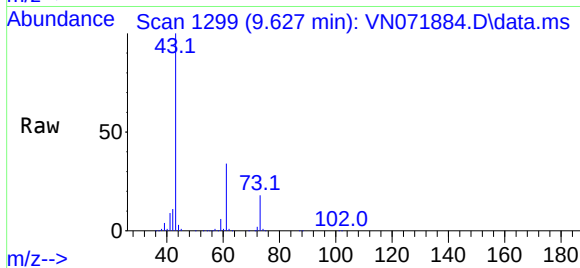




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.627 min Scan# 1288
Delta R.T. 0.064 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

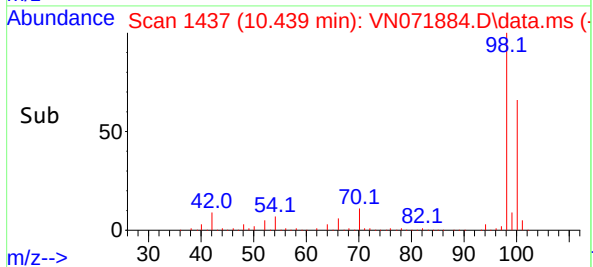
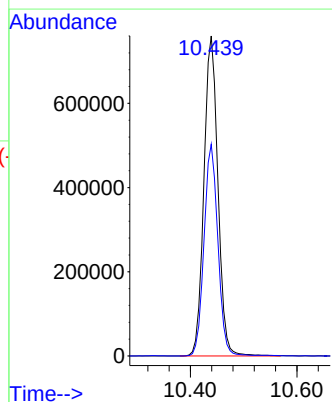
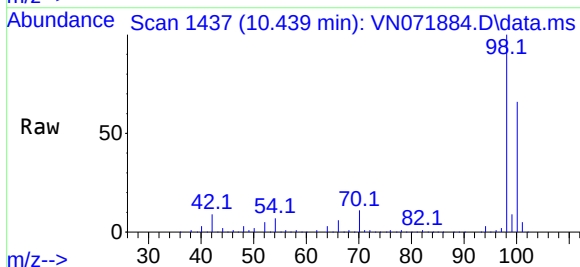
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

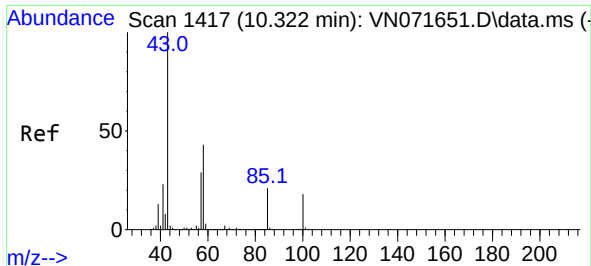
Tgt Ion: 88 Resp: 617
Ion Ratio Lower Upper
88 100
43 470643.8 20.2 30.4#
58 2345.5 54.2 81.4#



#50
Toluene-d8
Concen: 53.030 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 98 Resp: 1386183
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

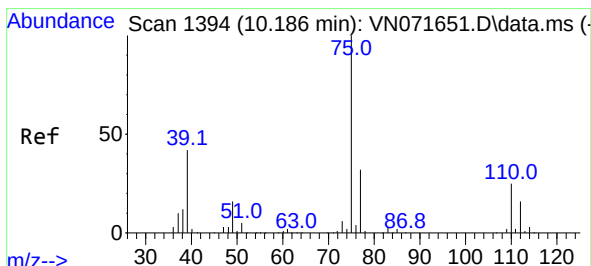
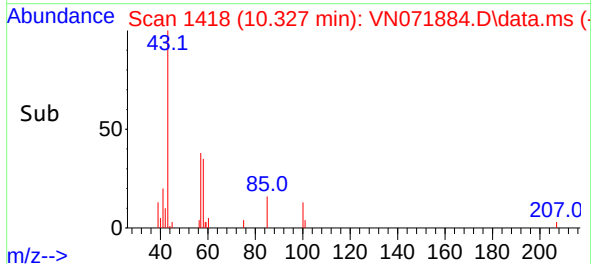
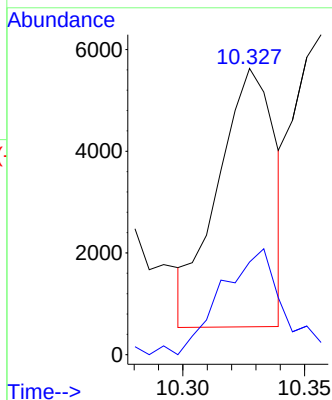
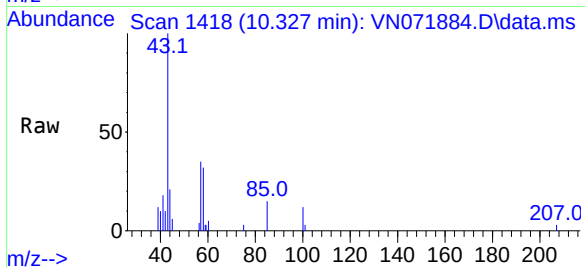




#51
4-Methyl-2-Pentanone
Concen: 0.891 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.005 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

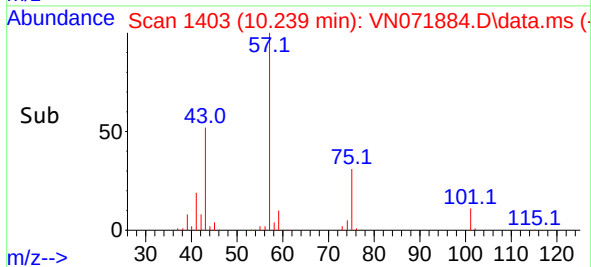
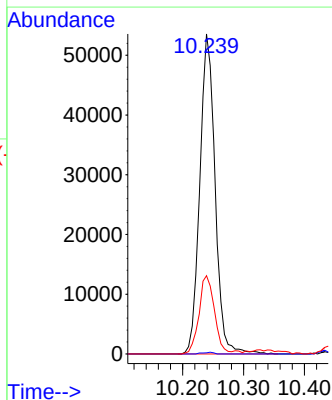
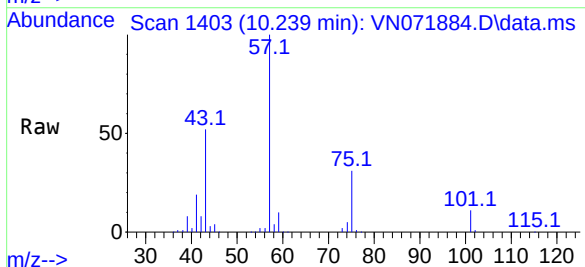
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

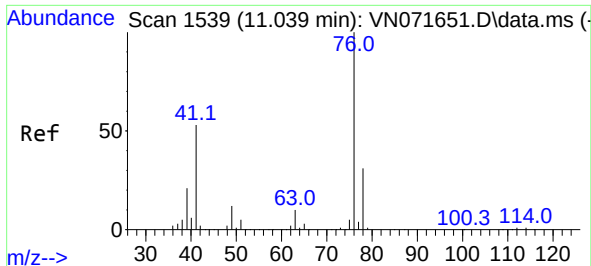
Tgt Ion: 43 Resp: 8322
Ion Ratio Lower Upper
43 100
58 44.9 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 8.558 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 75 Resp: 93268
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 24.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.828 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071884.D

Acq: 06 Apr 2022 17:07

Instrument :

MSVOA_N

ClientSampleId :

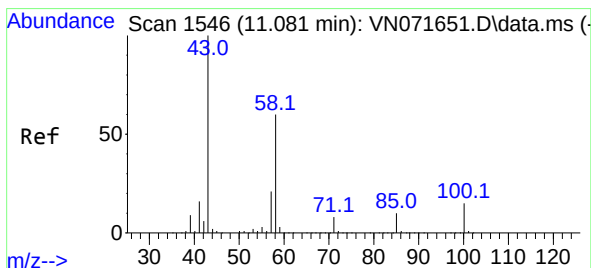
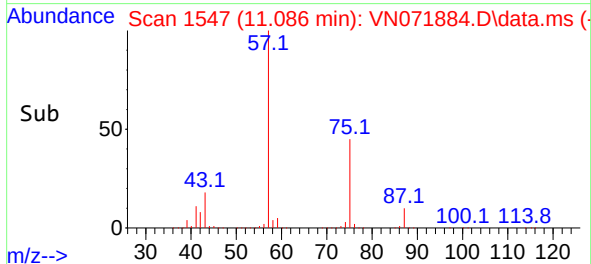
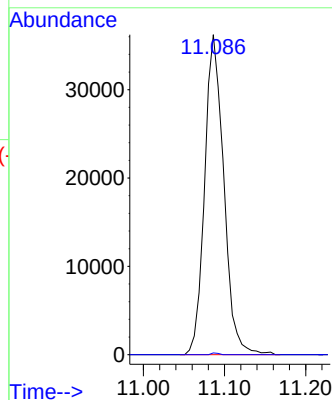
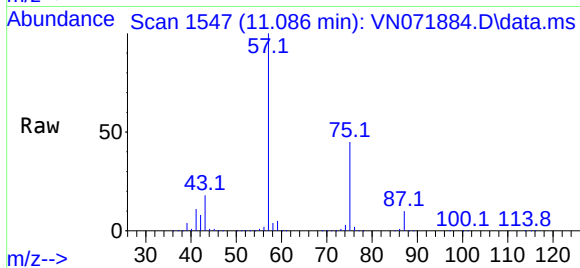
PB143897ZHE#04

Tgt Ion: 76 Resp: 59194

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 110.075 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071884.D

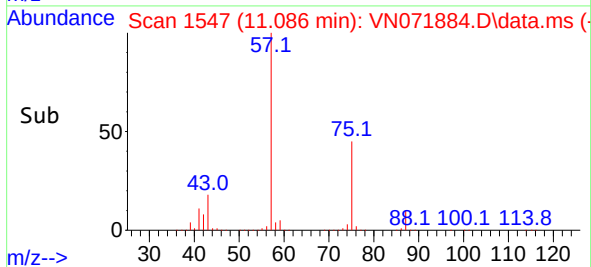
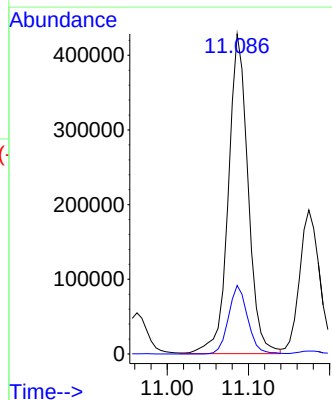
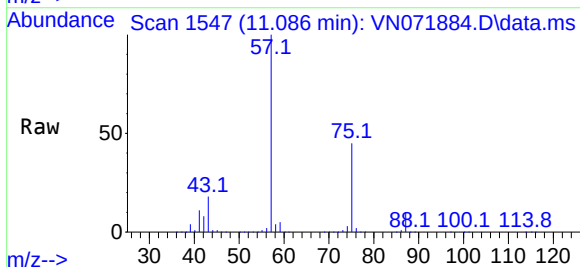
Acq: 06 Apr 2022 17:07

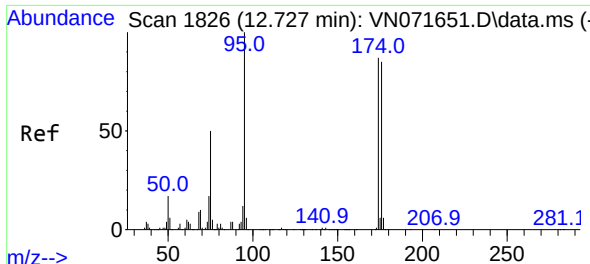
Tgt Ion: 43 Resp: 723837

Ion Ratio Lower Upper

43 100

58 20.8 29.7 89.1#

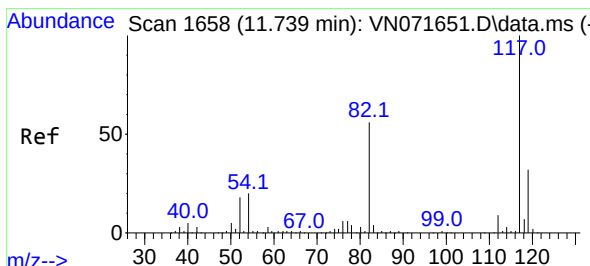
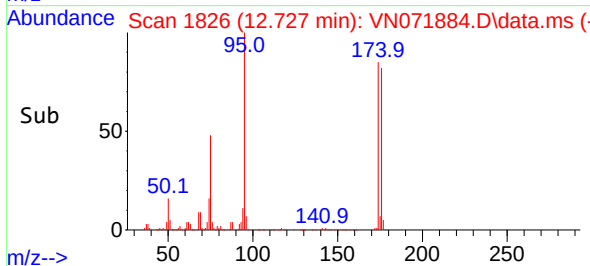
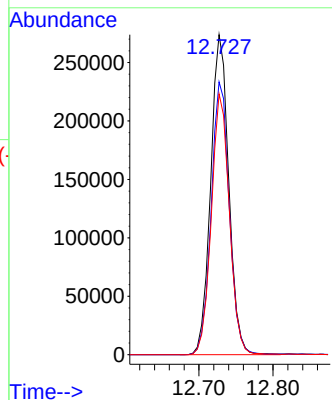
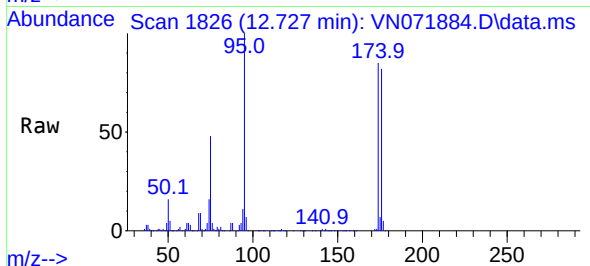




#62
4-Bromofluorobenzene
Concen: 54.857 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

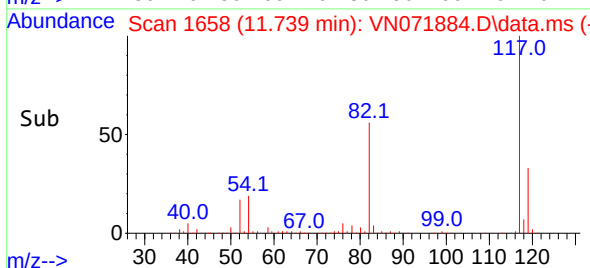
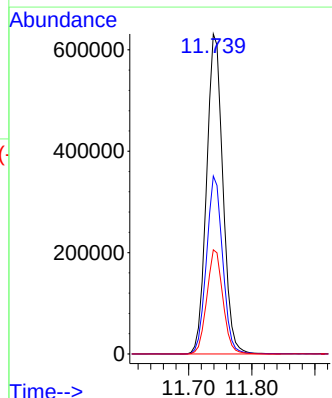
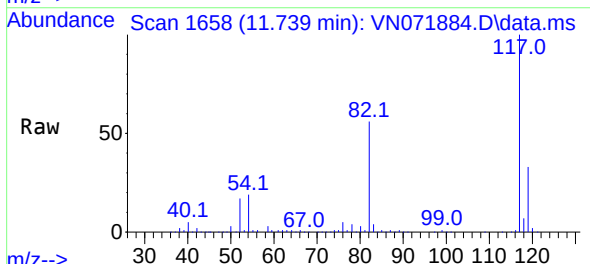
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

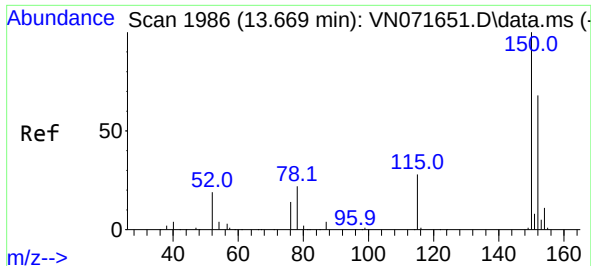
Tgt Ion: 95 Resp: 463757
Ion Ratio Lower Upper
95 100
174 85.5 0.0 167.6
176 81.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 117 Resp: 1133786
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.6 25.4 38.0

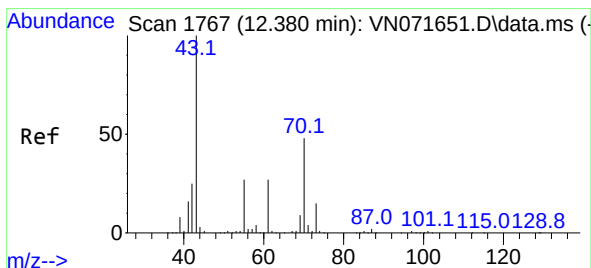
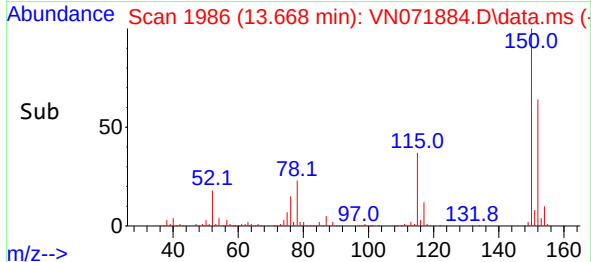
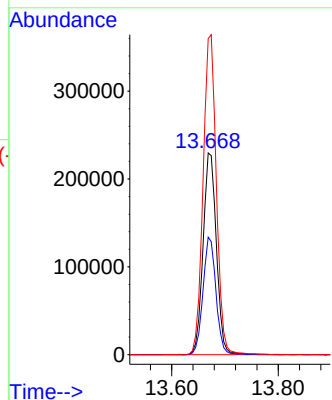
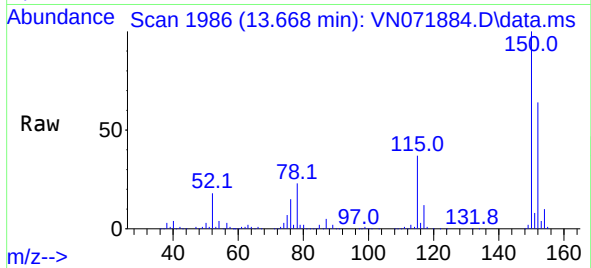




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

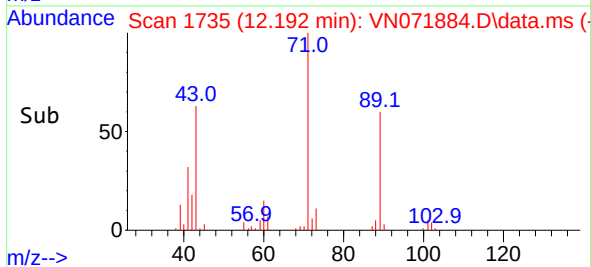
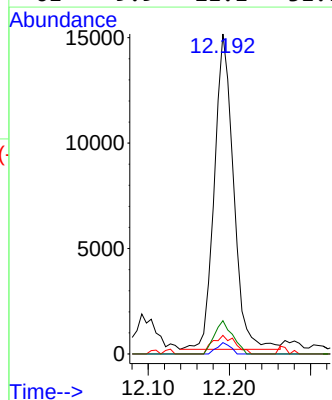
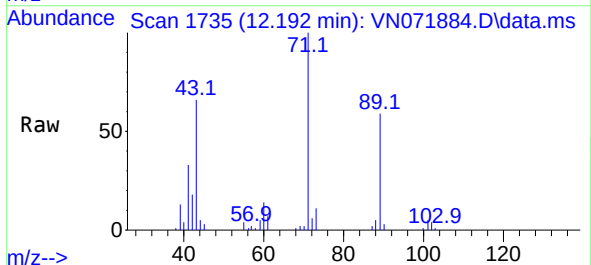
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

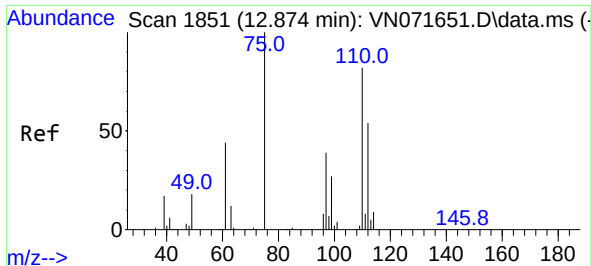
Tgt Ion:152 Resp: 398997
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 158.0 0.0 356.2



#74
N-ethyl acetate
Concen: 2.558 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 43 Resp: 24639
Ion Ratio Lower Upper
43 100
70 2.5 39.0 58.4#
55 6.8 21.1 31.7#
61 9.9 21.1 31.7#

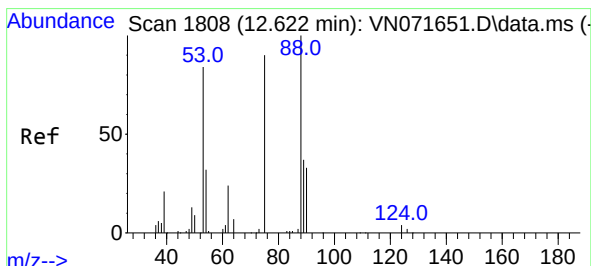
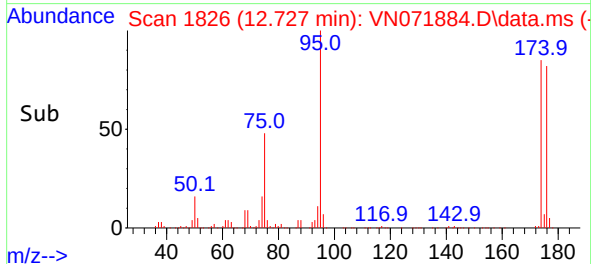
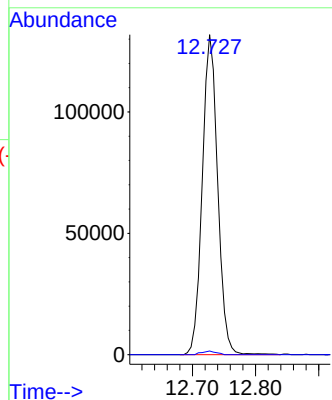
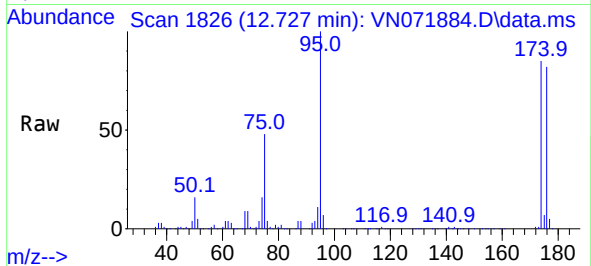




#76
1,2,3-Trichloropropane
Concen: 24.157 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

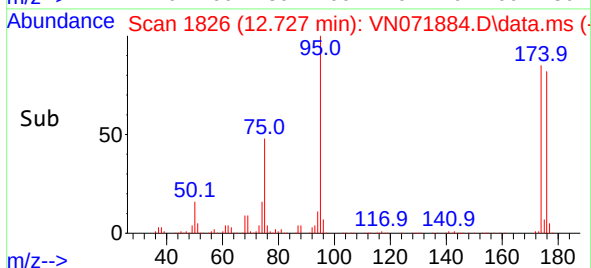
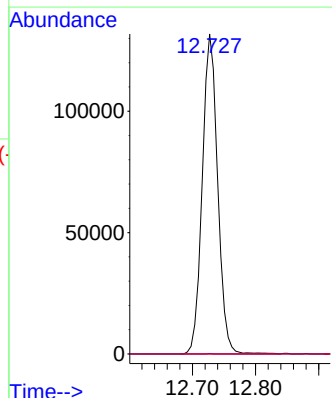
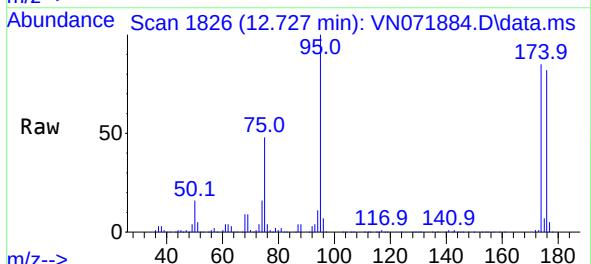
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

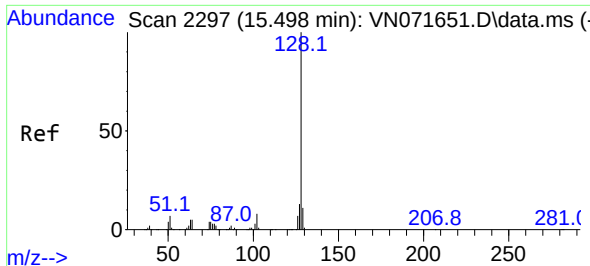
Tgt Ion: 75 Resp: 223283
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.861 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Tgt Ion: 75 Resp: 223283
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

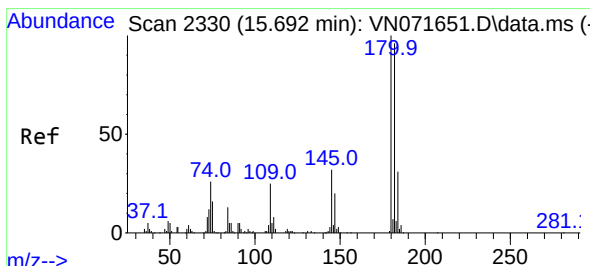
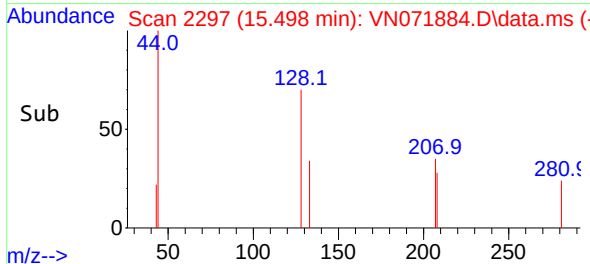
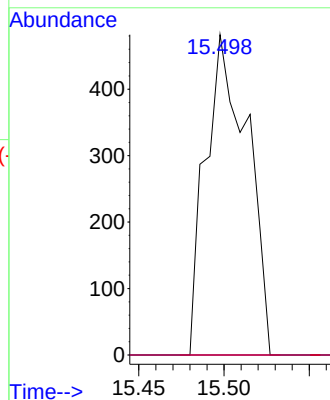
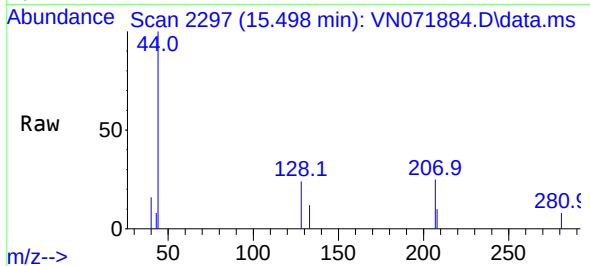




#95
Naphthalene
Concen: 3.845 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#04

Tgt Ion:	128	Resp:	824
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: 2.437 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071884.D
Acq: 06 Apr 2022 17:07

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

