

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077386.D
 Acq On : 19 Apr 2023 19:35
 Operator : JC\MD
 Sample : PB152199ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#14

Quant Time: Apr 20 04:28:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

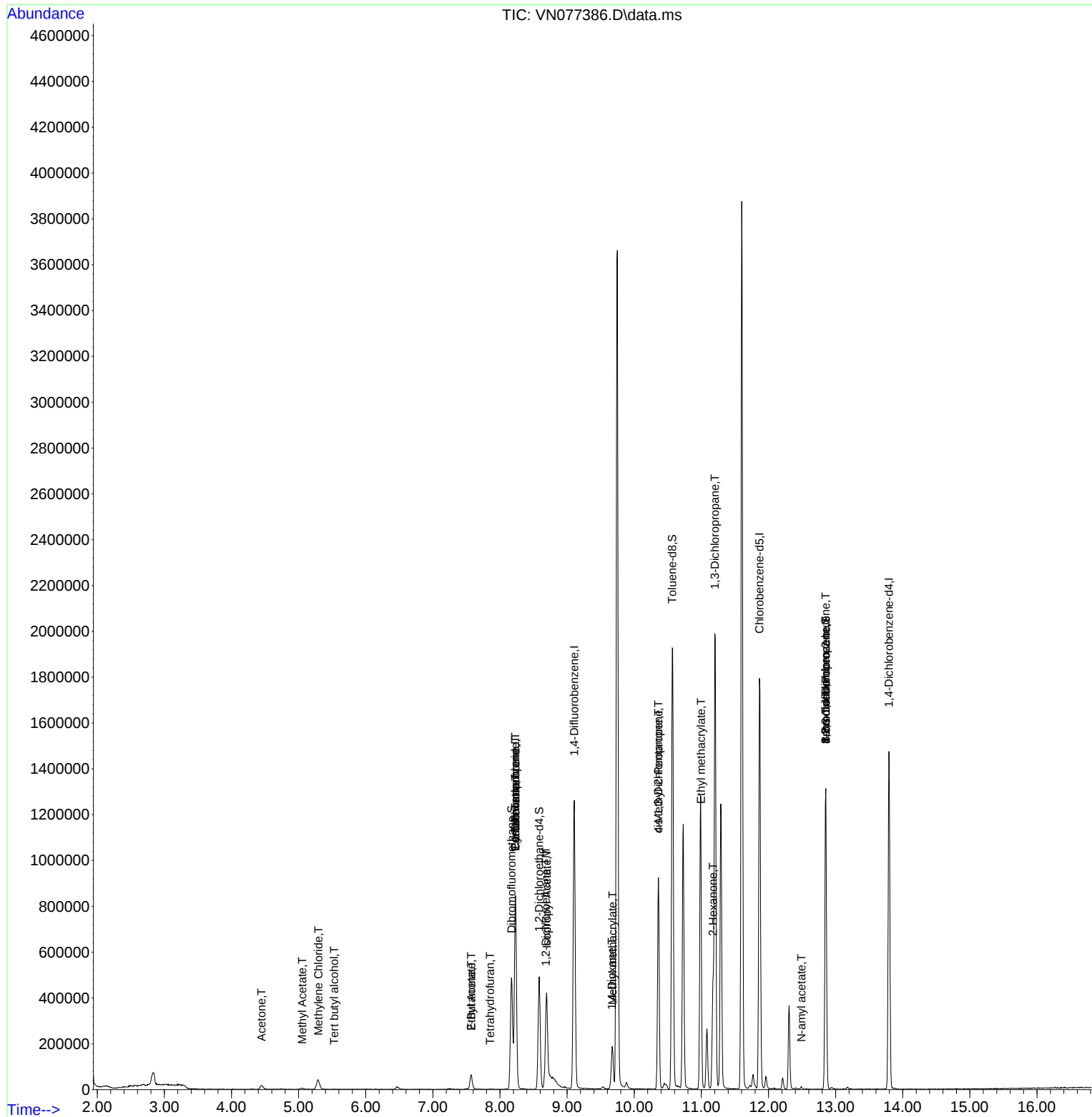
Internal Standards						
1) Pentafluorobenzene	8.230	168	604272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1158681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1076652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	403810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	382981	46.372	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.740%
35) Dibromofluoromethane	8.172	113	349536	47.123	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.240%
50) Toluene-d8	10.566	98	1414798	47.380	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.760%
62) 4-Bromofluorobenzene	12.854	95	462153	46.535	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.531	59	445	0.264	ug/l #	72
16) Acetone	4.448	43	32637	10.718	ug/l	96
18) Methyl Acetate	5.054	43	10702	0.923	ug/l #	78
20) Methylene Chloride	5.295	84	37083	4.312	ug/l #	88
25) 2-Butanone	7.572	43	89319	18.073	ug/l #	41
29) Tetrahydrofuran	7.854	42	725	0.228	ug/l #	43
31) Cyclohexane	8.230	56	14536	1.133	ug/l #	8
36) 1,1-Dichloropropene	8.230	75	52957	4.827	ug/l #	51
37) Ethyl Acetate	7.572	43	89319	9.100	ug/l	97
38) Carbon Tetrachloride	8.230	117	64633	5.750	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	3487	0.331	ug/l #	73
43) Isopropyl Acetate	8.695	43	531475	29.344	ug/l #	84
48) Methyl methacrylate	9.677	41	10306	1.334	ug/l #	5
49) 1,4-Dioxane	9.666	88	54	0.288	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	309486	29.562	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	190570	13.462	ug/l #	62
56) Ethyl methacrylate	10.995	69	3160	0.231	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	23370	1.609	ug/l #	42
59) 2-Hexanone	11.171	43	334327	42.866	ug/l #	20
71) Bromoform	12.854	173	2263	0.358	ug/l #	1
74) N-amyl acetate	12.489	43	3699	0.249	ug/l #	46
76) 1,2,3-Trichloropropane	12.854	75	252527	26.262	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	252527	59.097	ug/l #	13

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

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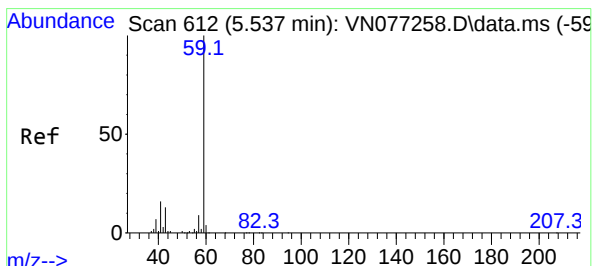
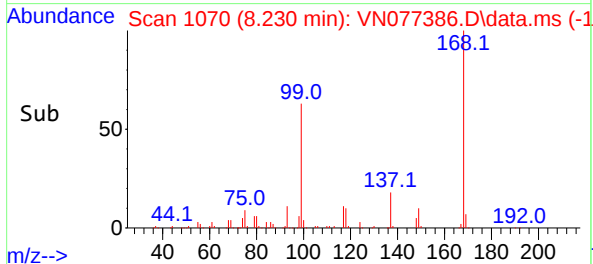
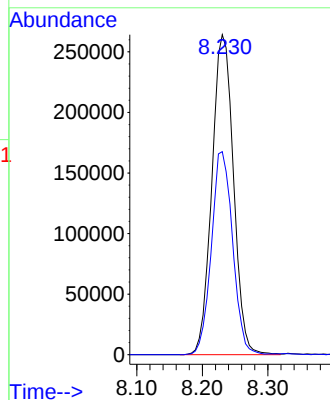
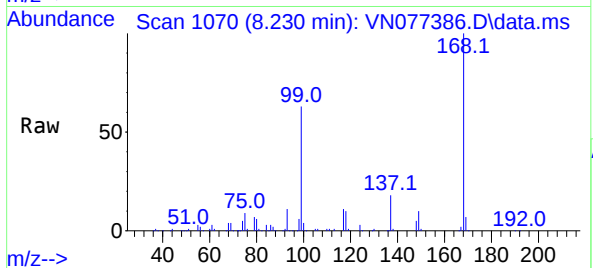




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

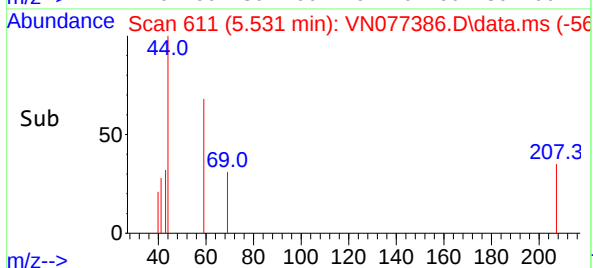
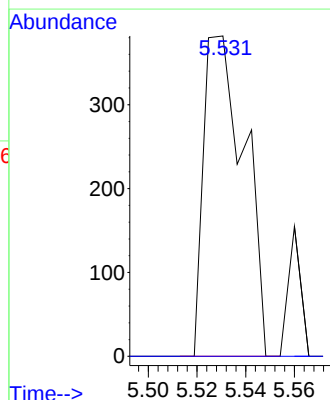
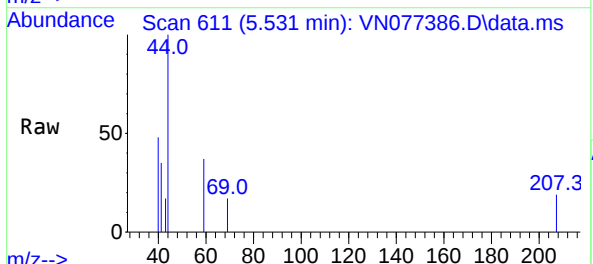
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

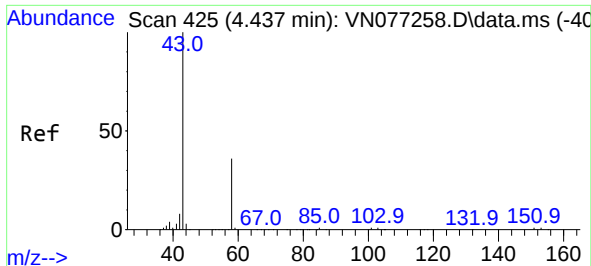
Tgt Ion:168 Resp: 604272
Ion Ratio Lower Upper
168 100
99 63.5 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.264 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

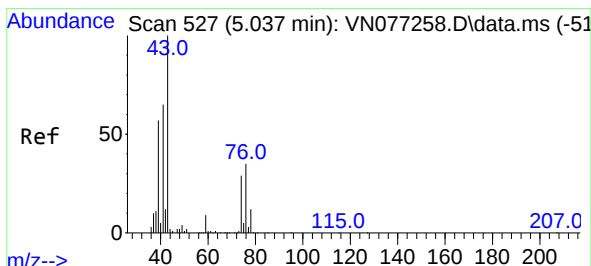
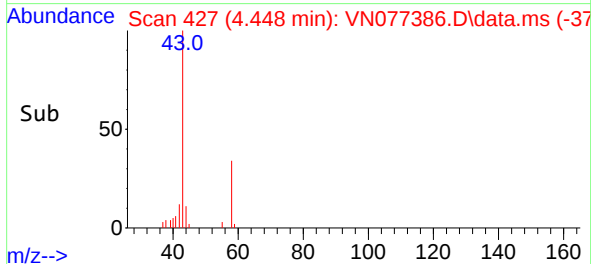
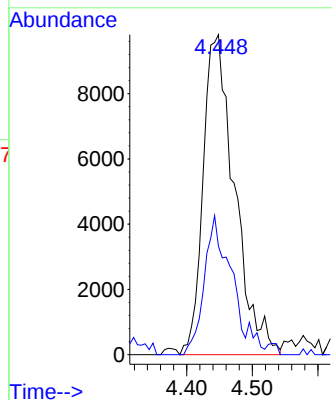
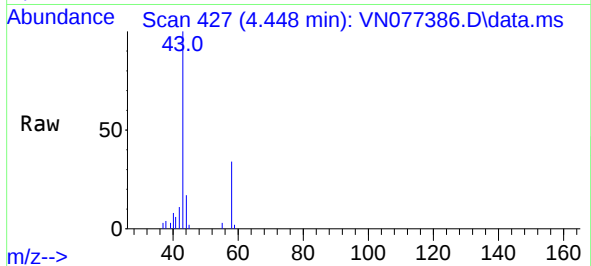




#16
Acetone
Concen: 10.718 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

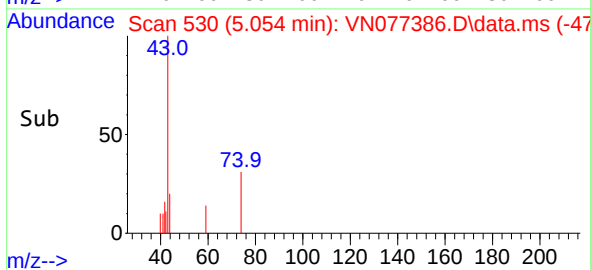
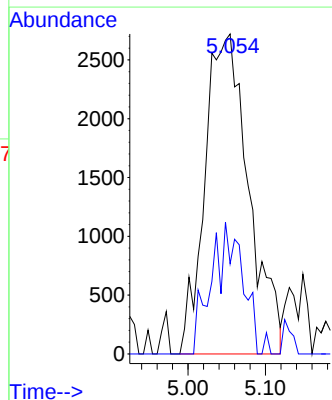
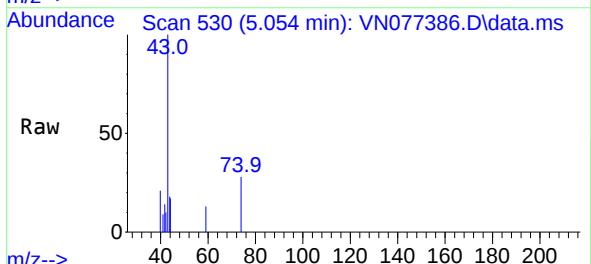
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

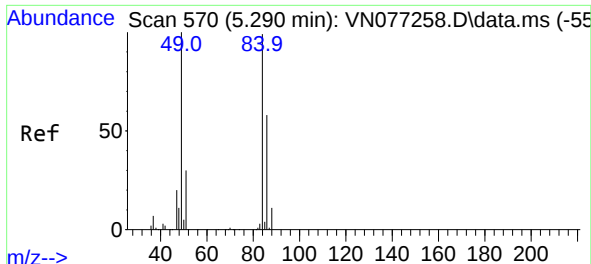
Tgt Ion: 43 Resp: 32637
Ion Ratio Lower Upper
43 100
58 33.9 29.0 43.6



#18
Methyl Acetate
Concen: 0.923 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.017 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

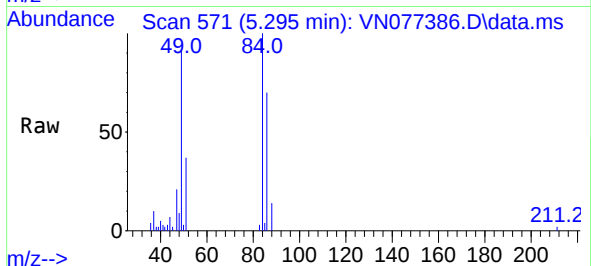
Tgt Ion: 43 Resp: 10702
Ion Ratio Lower Upper
43 100
74 17.4 23.4 35.2#





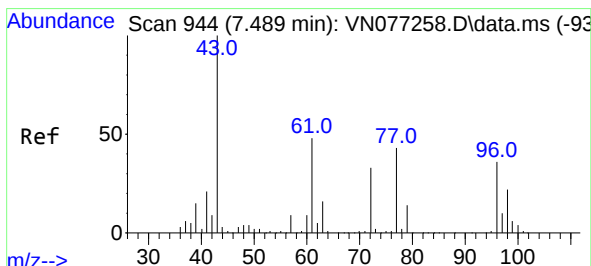
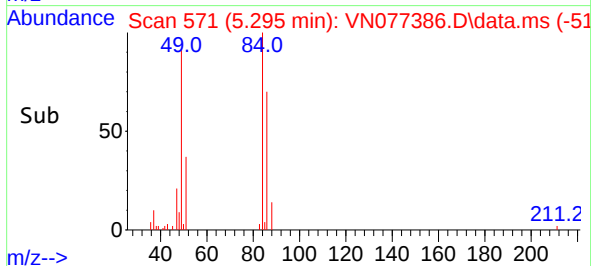
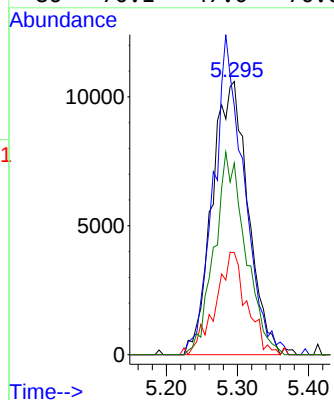
#20
Methylene Chloride
Concen: 4.312 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14



Tgt Ion: 84 Resp: 37083

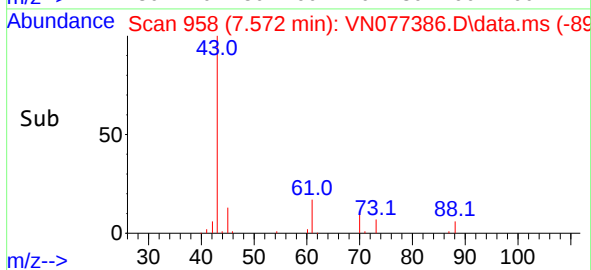
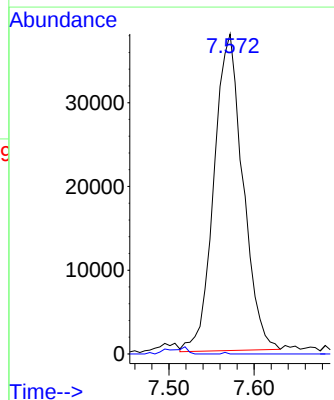
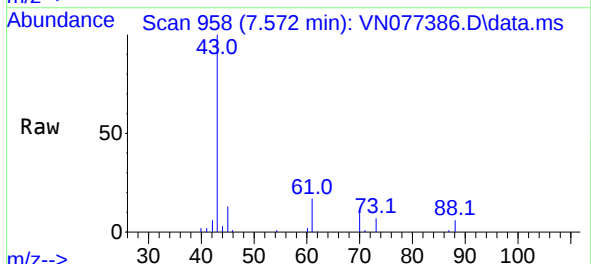
Ion	Ratio	Lower	Upper
84	100		
49	91.2	80.6	121.0
51	37.4	24.4	36.6#
86	70.1	47.0	70.6

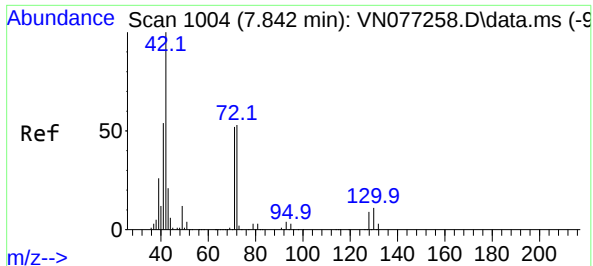


#25
2-Butanone
Concen: 18.073 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.083 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 43 Resp: 89319

Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.6	39.8#

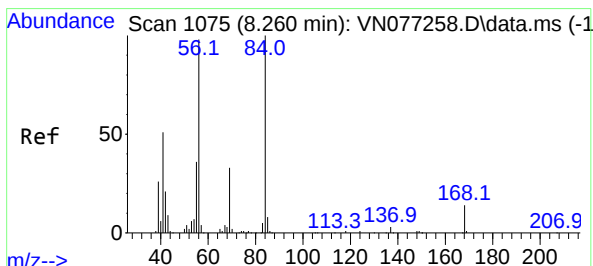
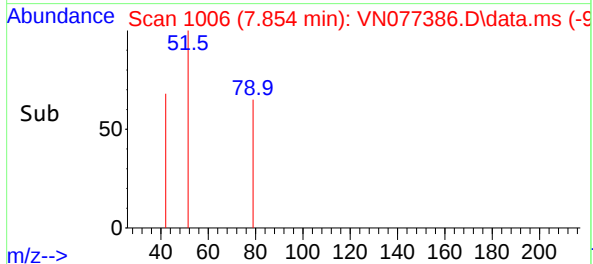
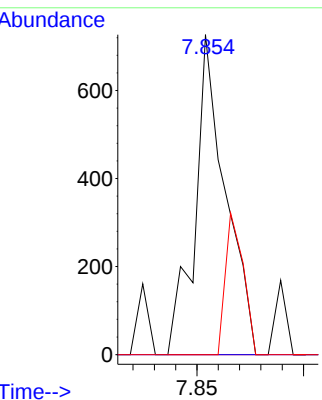
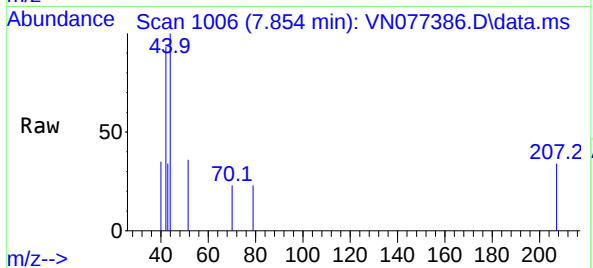




#29
Tetrahydrofuran
Concen: 0.228 ug/l
RT: 7.854 min Scan# 10
Delta R.T. 0.012 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

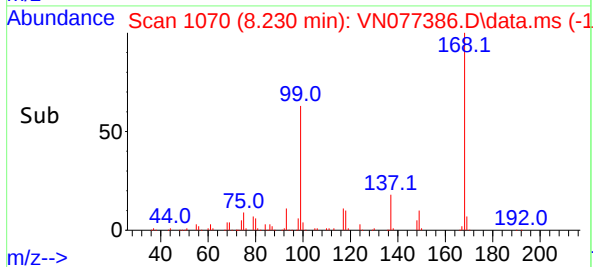
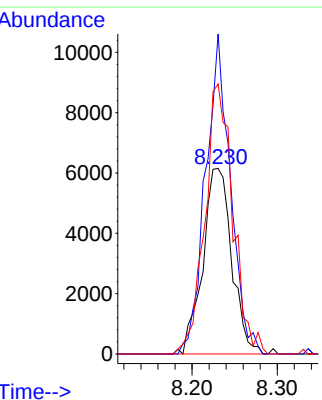
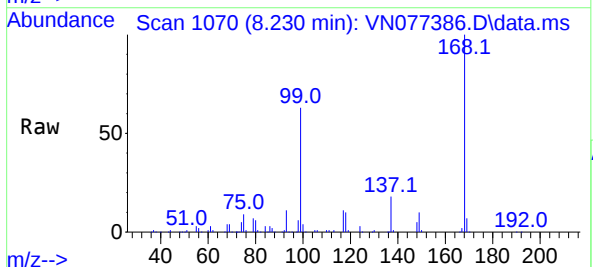
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

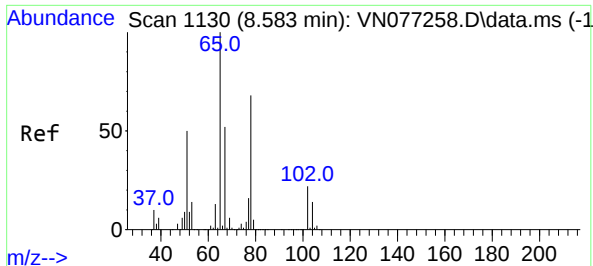
Tgt Ion:	42	Resp:	725
Ion	Ratio	Lower	Upper
42	100		
72	0.0	44.6	66.8#
71	25.8	41.3	61.9#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion:	56	Resp:	14536
Ion	Ratio	Lower	Upper
56	100		
69	172.4	26.6	40.0#
84	145.5	81.8	122.8#

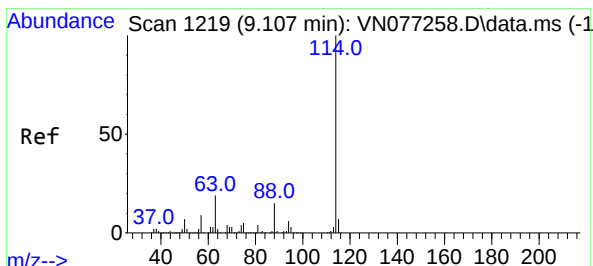
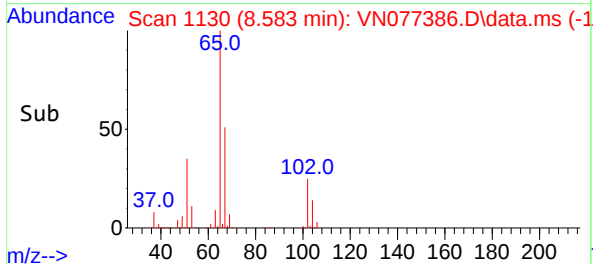
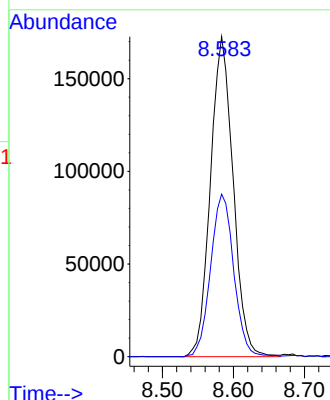
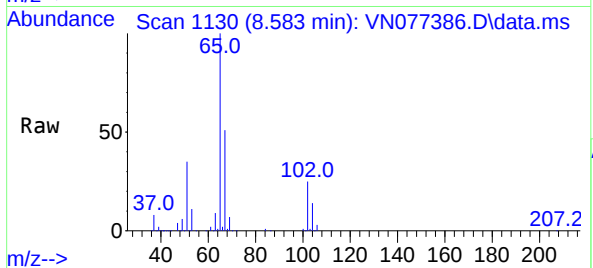




#33
1,2-Dichloroethane-d4
Concen: 46.372 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

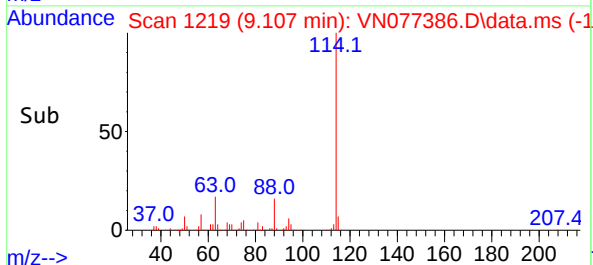
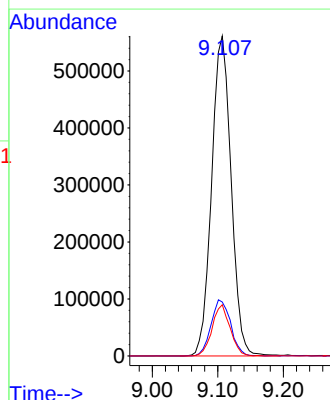
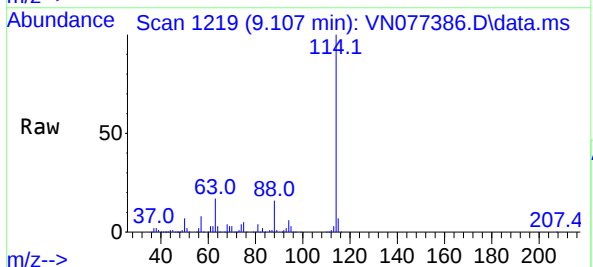
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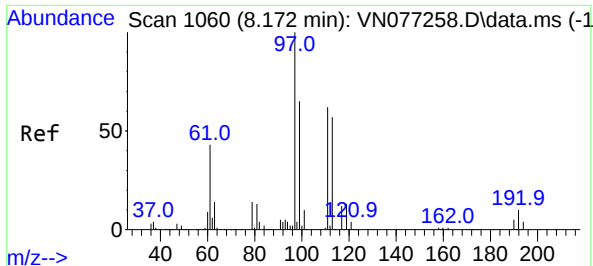
Tgt Ion: 65 Resp: 382981
Ion Ratio Lower Upper
65 100
67 51.8 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion:114 Resp: 1158681
Ion Ratio Lower Upper
114 100
63 16.9 0.0 37.8
88 16.0 0.0 29.4

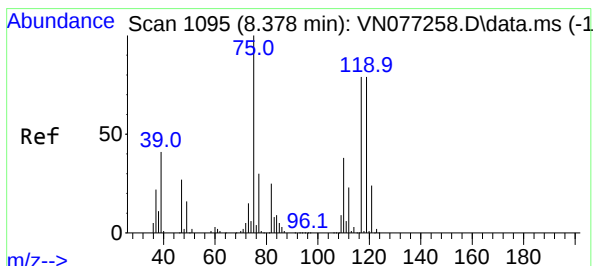
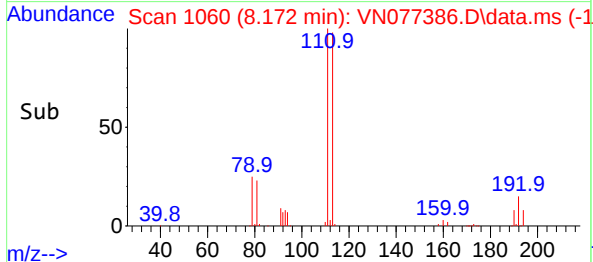
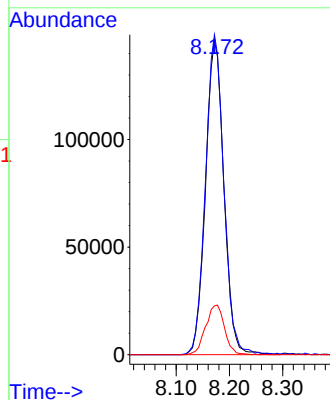
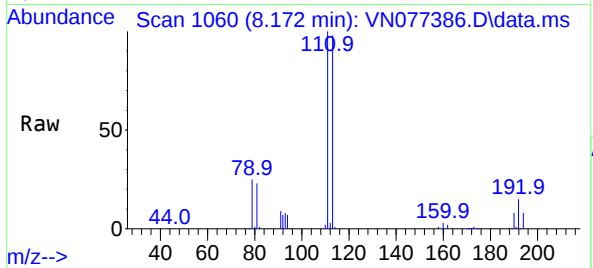




#35
Dibromofluoromethane
Concen: 47.123 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

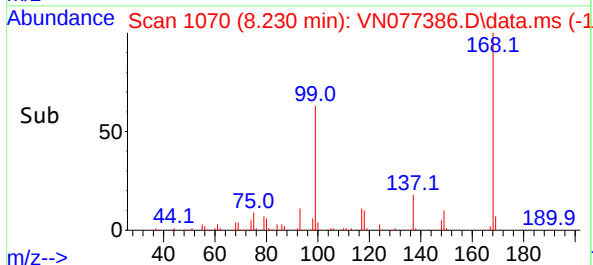
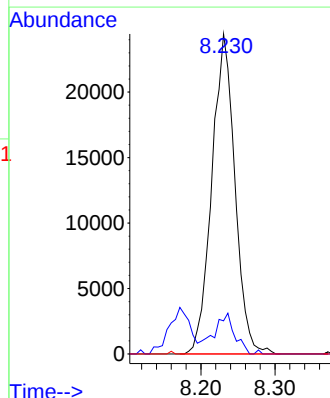
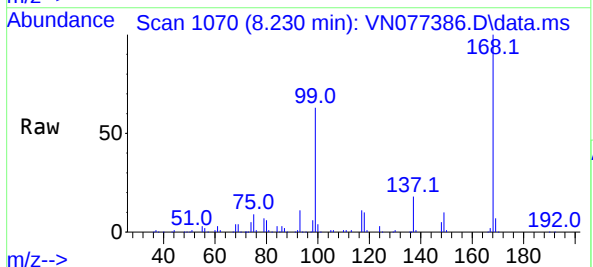
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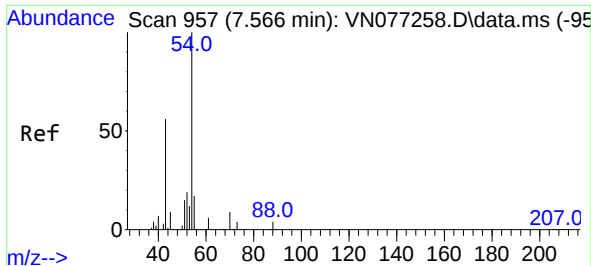
Tgt Ion:113 Resp: 349536
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.0
192 16.2 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.827 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.148 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 75 Resp: 52957
Ion Ratio Lower Upper
75 100
110 11.0 17.8 53.5#
77 0.0 25.0 37.4#

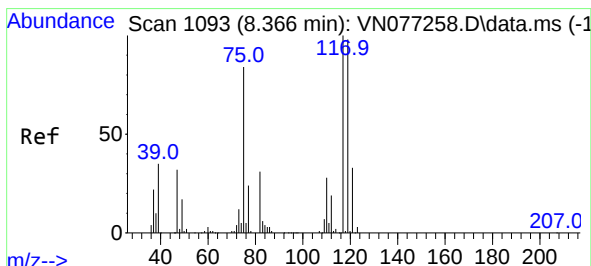
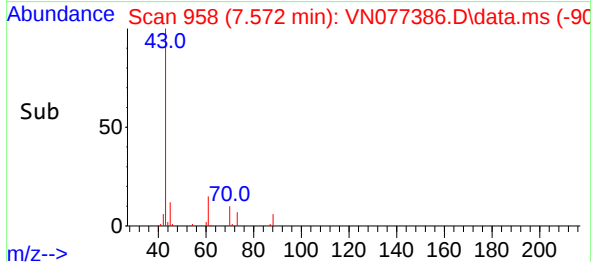
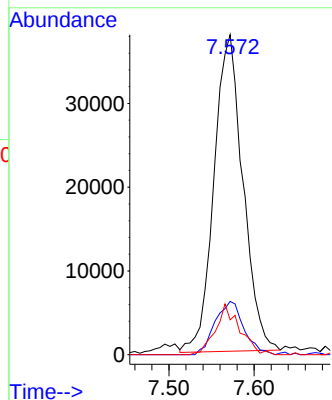
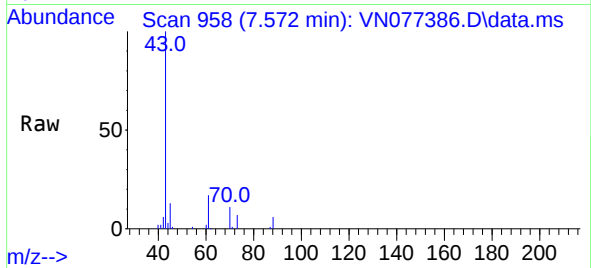




#37
Ethyl Acetate
Concen: 9.100 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

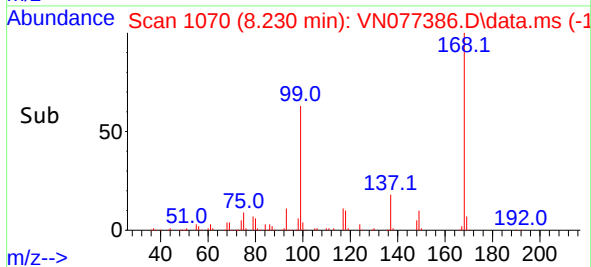
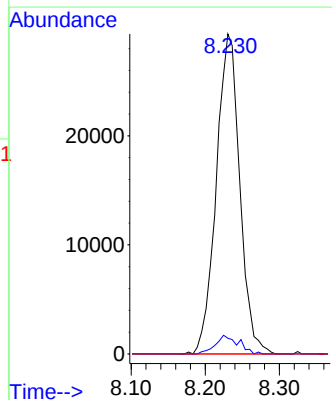
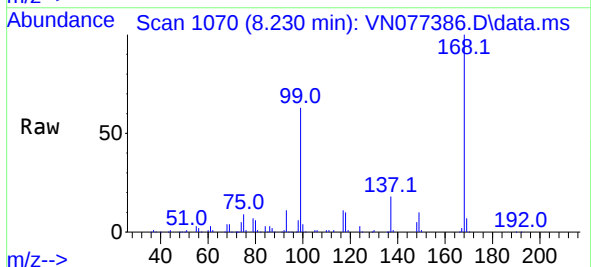
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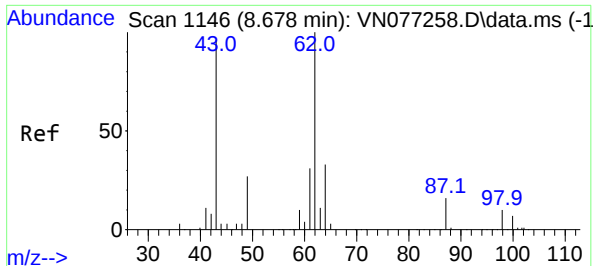
Tgt Ion: 43 Resp: 89319
Ion Ratio Lower Upper
43 100
61 16.7 12.2 18.2
70 13.4 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.136 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 117 Resp: 64633
Ion Ratio Lower Upper
117 100
119 4.9 78.5 117.7#
121 0.0 26.6 40.0#

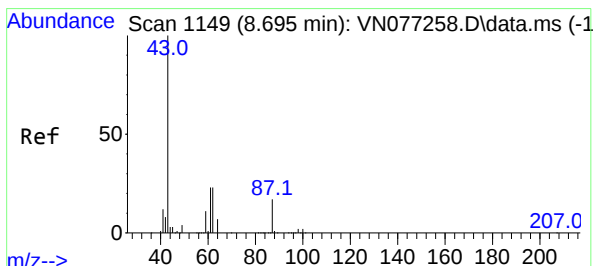
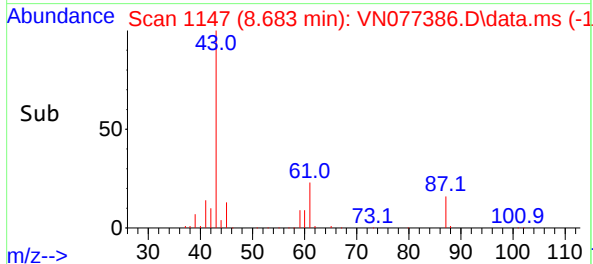
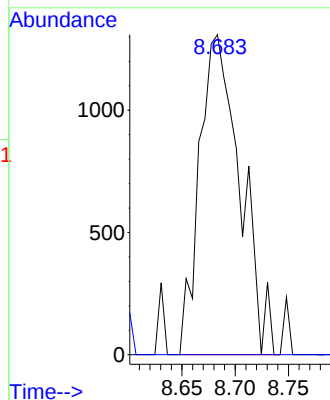
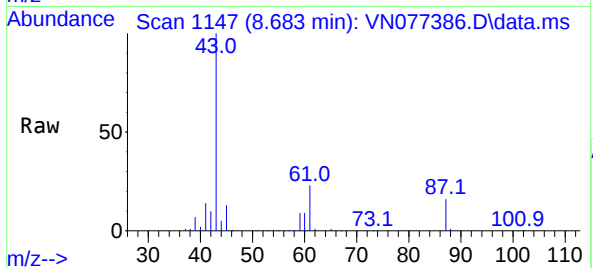




#42
1,2-Dichloroethane
Concen: 0.331 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

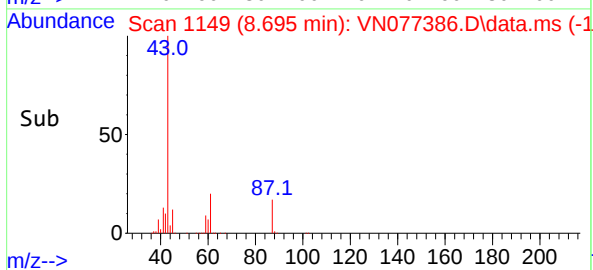
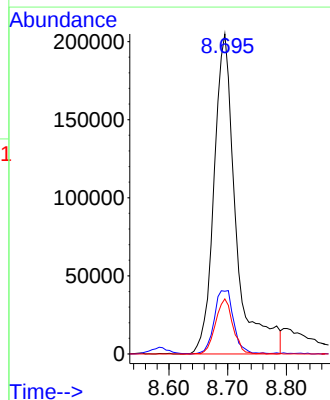
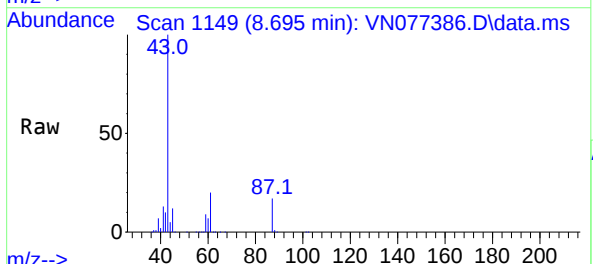
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

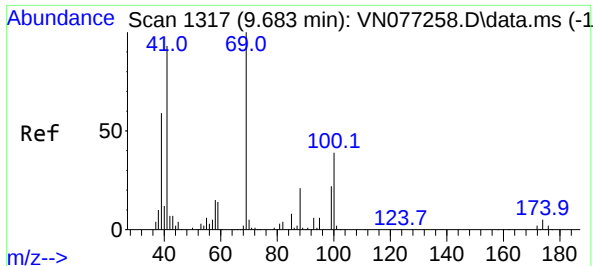
Tgt Ion: 62 Resp: 3487
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 29.344 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 43 Resp: 531475
Ion Ratio Lower Upper
43 100
61 17.6 22.7 34.1#
87 13.6 13.6 20.4

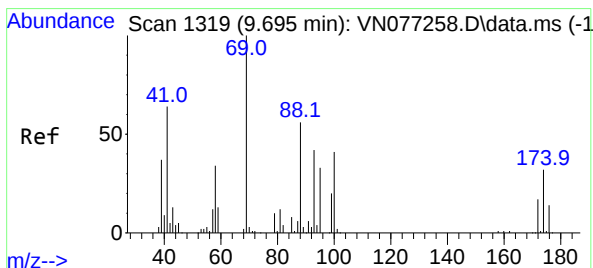
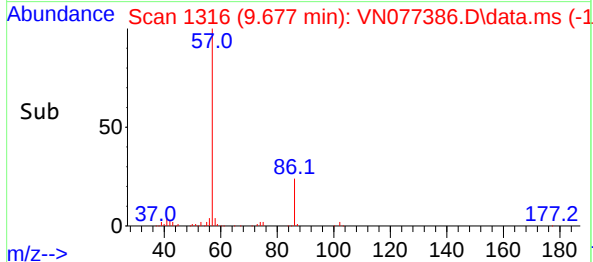
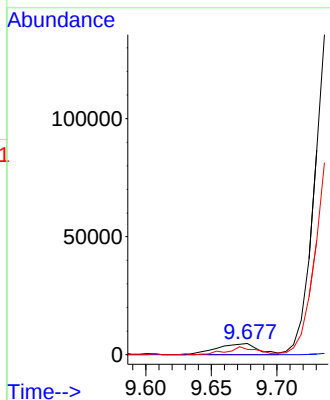
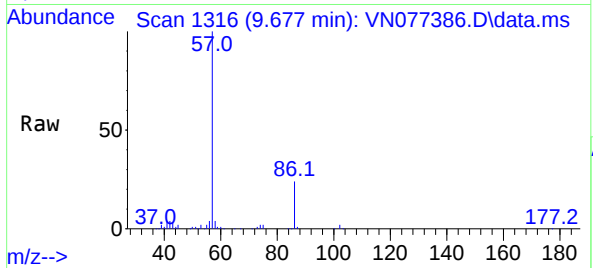




#48
Methyl methacrylate
Concen: 1.334 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

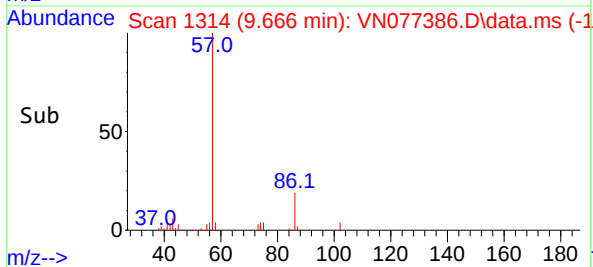
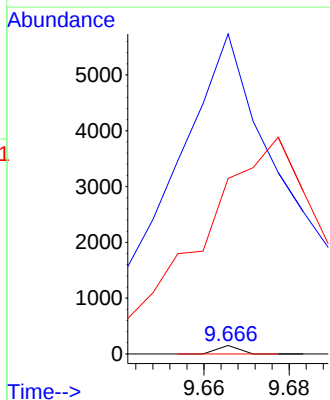
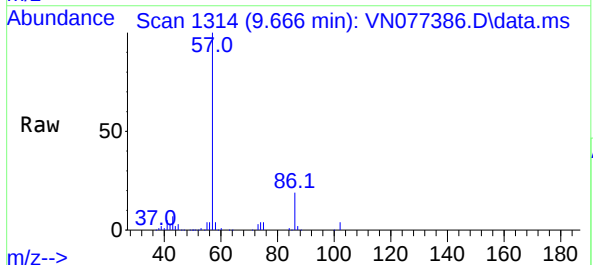
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

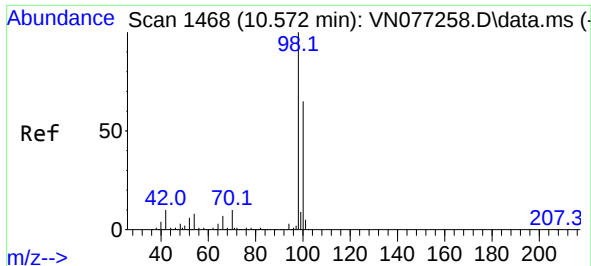
Tgt Ion: 41 Resp: 10306
Ion Ratio Lower Upper
41 100
69 0.0 85.0 127.6#
39 0.0 53.5 80.3#



#49
1,4-Dioxane
Concen: 0.288 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.029 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 15579.6 49.8 74.6#

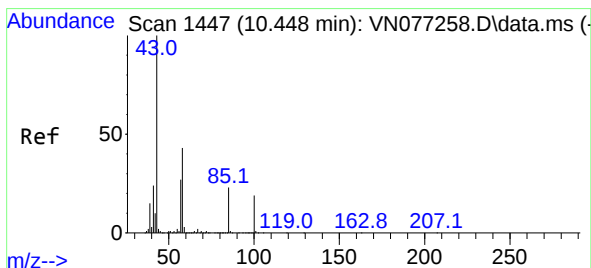
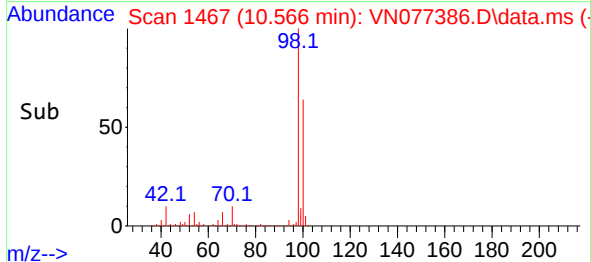
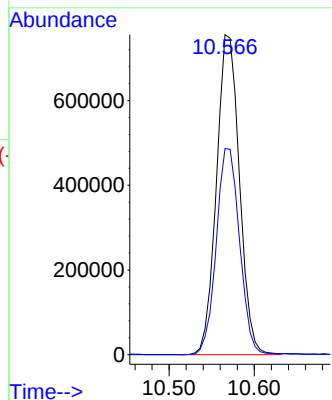
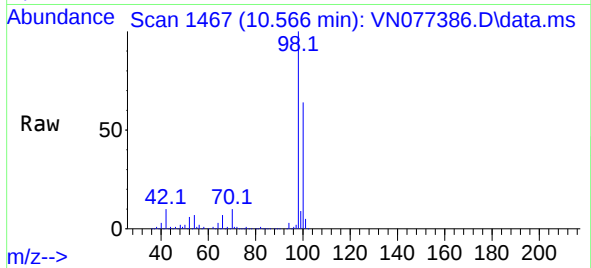




#50
Toluene-d8
Concen: 47.380 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.006 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

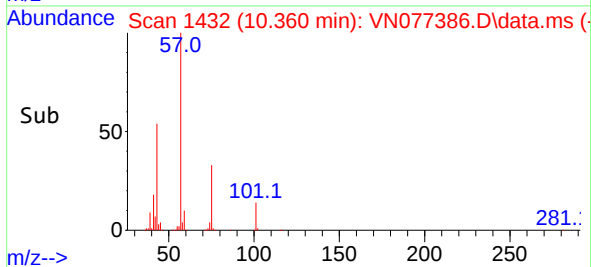
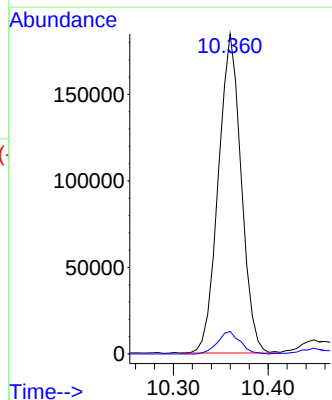
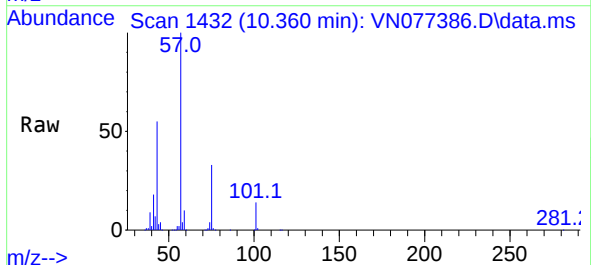
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

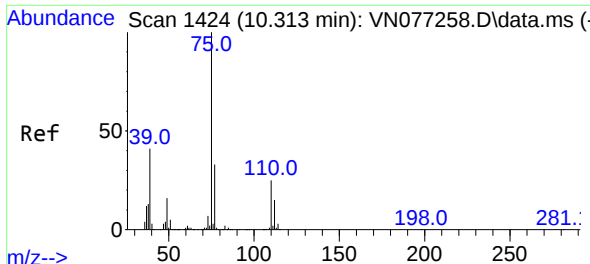
Tgt Ion: 98 Resp: 1414798
Ion Ratio Lower Upper
98 100
100 65.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 29.562 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 43 Resp: 309486
Ion Ratio Lower Upper
43 100
58 7.0 34.6 52.0#

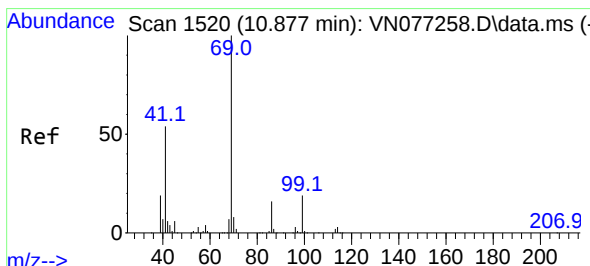
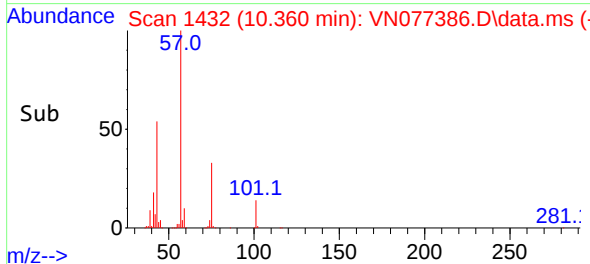
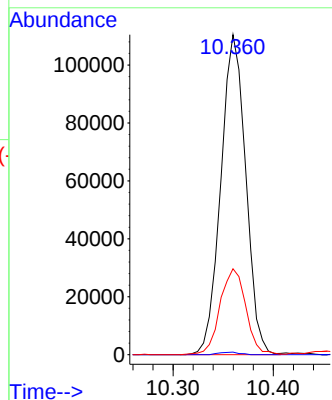
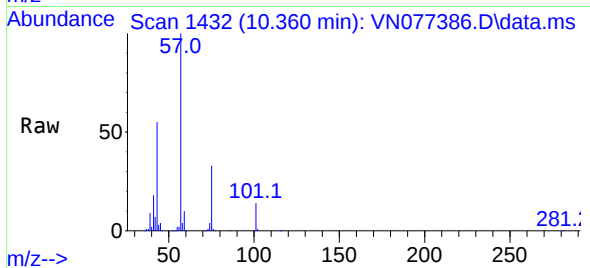




#54
cis-1,3-Dichloropropene
Concen: 13.462 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

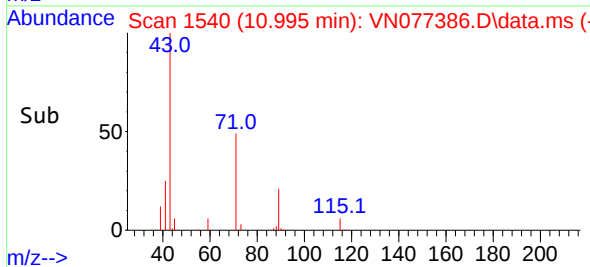
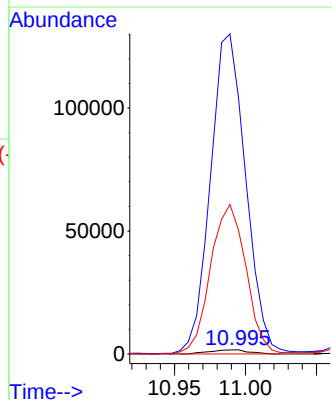
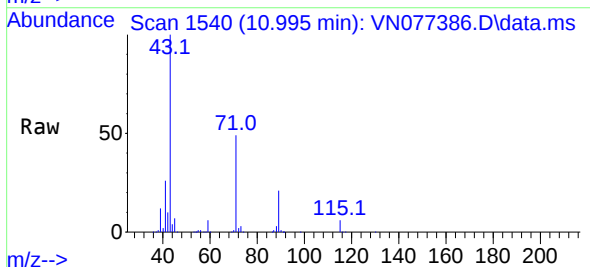
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

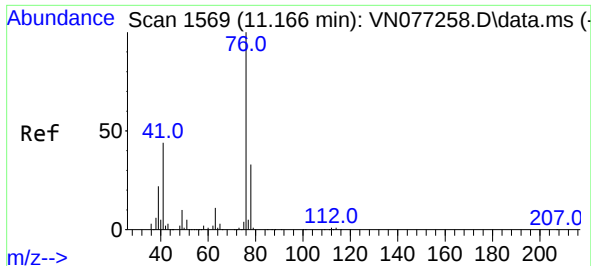
Tgt Ion: 75 Resp: 190570
Ion Ratio Lower Upper
75 100
77 0.8 26.7 40.1#
39 26.9 32.8 49.2#



#56
Ethyl methacrylate
Concen: 0.231 ug/l
RT: 10.995 min Scan# 1540
Delta R.T. 0.118 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 69 Resp: 3160
Ion Ratio Lower Upper
69 100
41 7132.1 42.8 64.2#
39 3348.4 27.0 40.4#





#57

1,3-Dichloropropane

Concen: 1.609 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN077386.D

Acq: 19 Apr 2023 19:35

Instrument :

MSVOA_N

ClientSampleId :

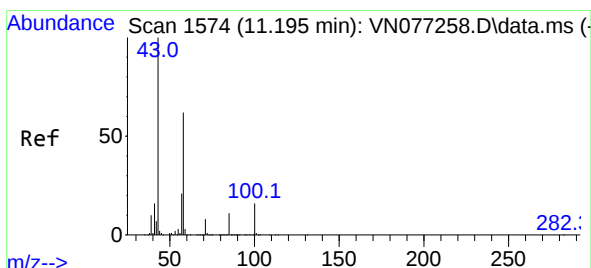
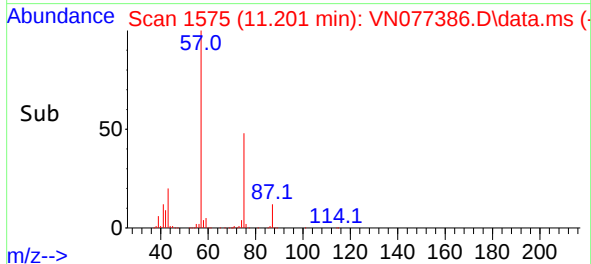
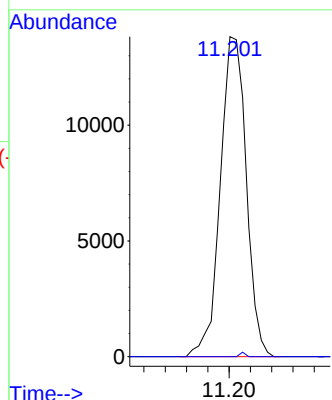
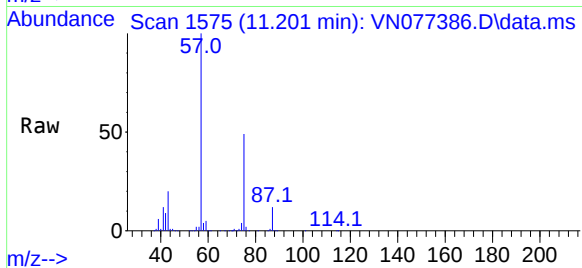
PB152199ZHE#14

Tgt Ion: 76 Resp: 23370

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.4#



#59

2-Hexanone

Concen: 42.866 ug/l

RT: 11.171 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN077386.D

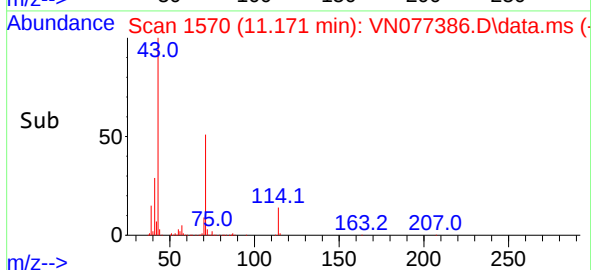
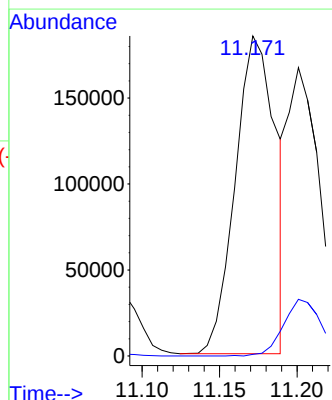
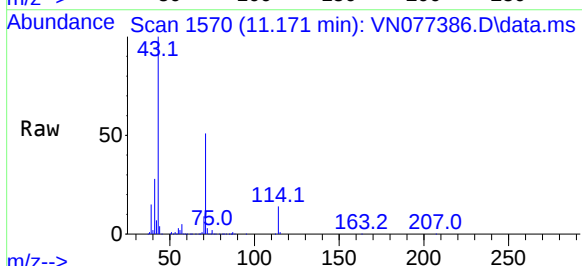
Acq: 19 Apr 2023 19:35

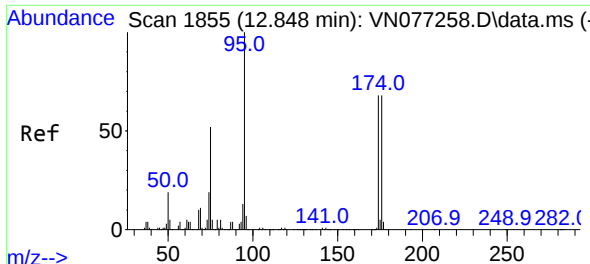
Tgt Ion: 43 Resp: 334327

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

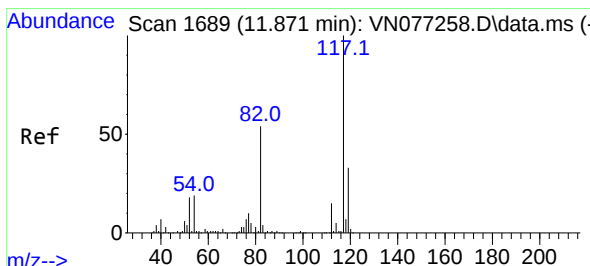
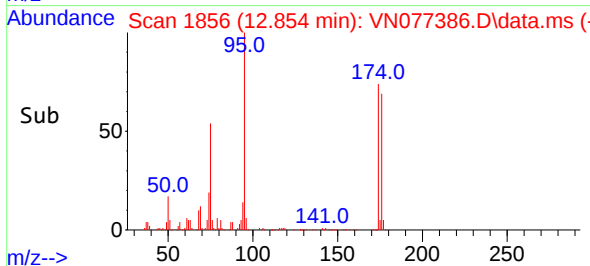
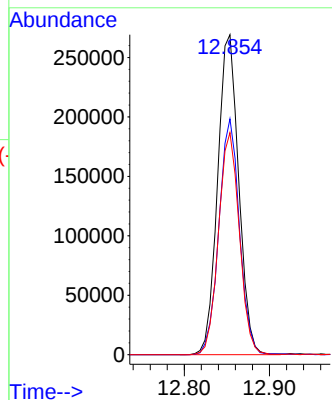
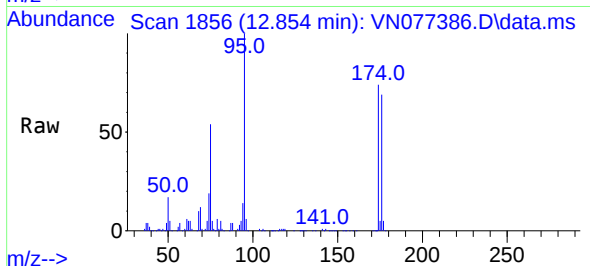




#62
4-Bromofluorobenzene
Concen: 46.535 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

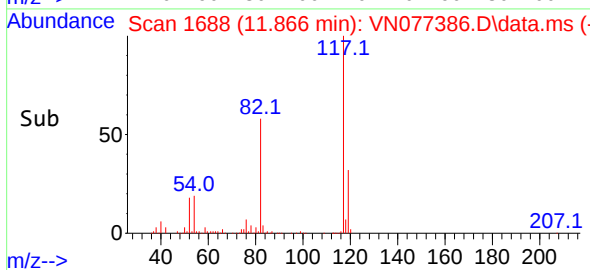
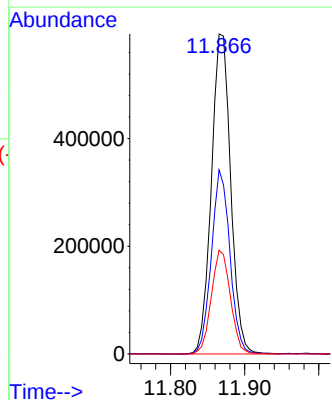
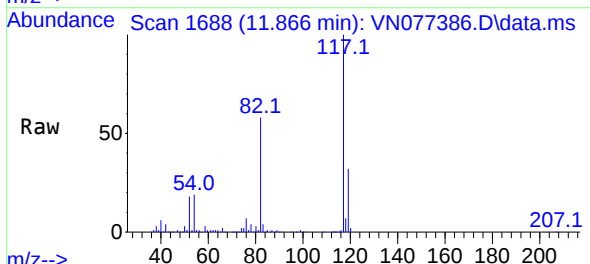
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

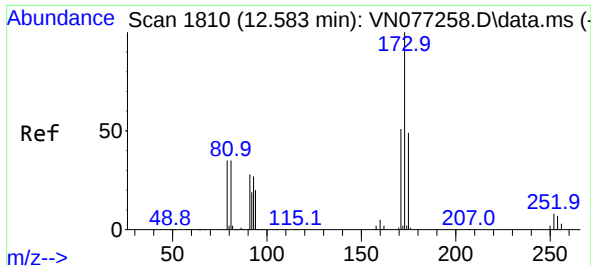
Tgt Ion: 95 Resp: 462153
Ion Ratio Lower Upper
95 100
174 72.1 0.0 146.8
176 68.6 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 117 Resp: 1076652
Ion Ratio Lower Upper
117 100
82 57.6 42.9 64.3
119 32.4 26.2 39.4

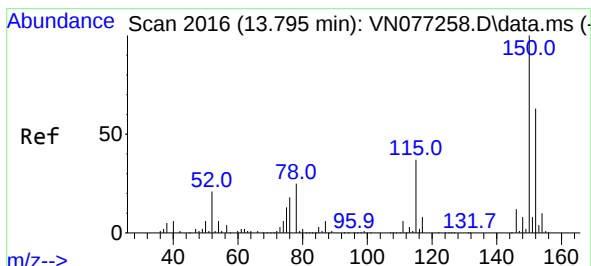
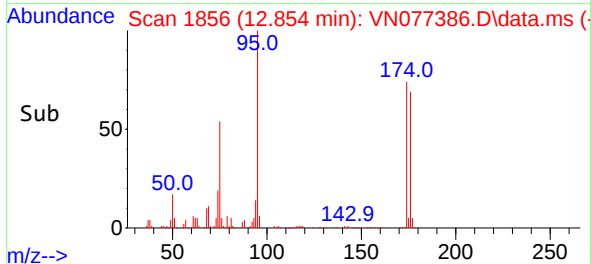
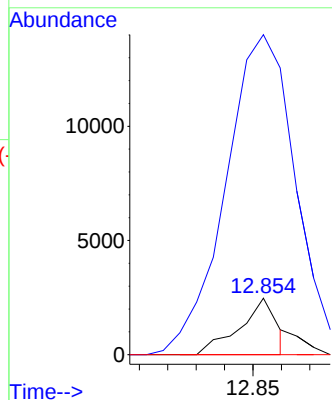
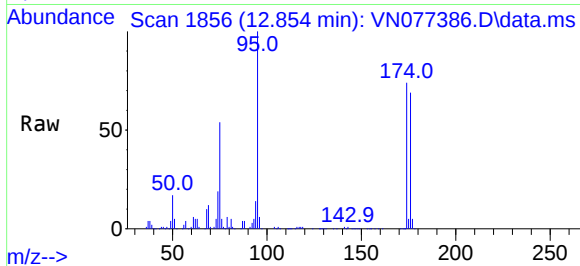




#71
Bromoform
Concen: 0.358 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

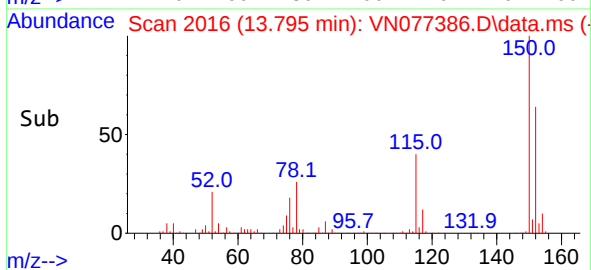
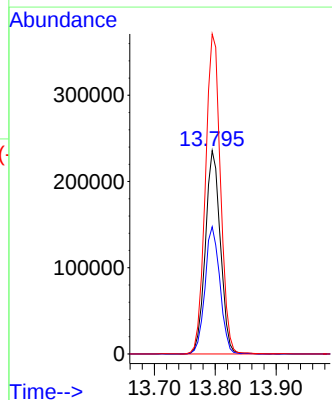
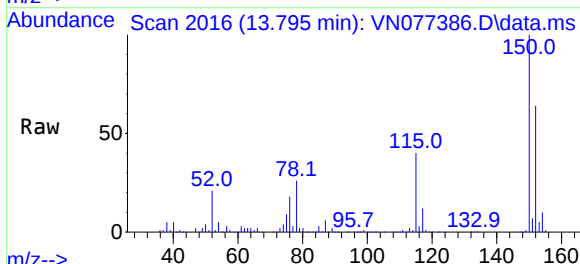
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14

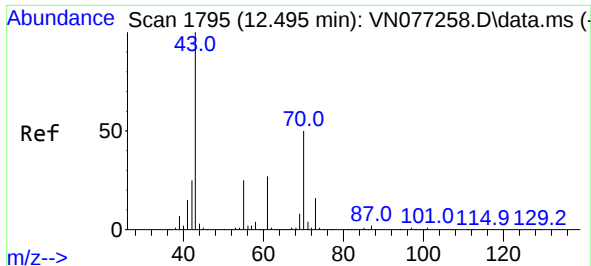
Tgt Ion:173 Resp: 2263
Ion Ratio Lower Upper
173 100
175 870.8 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

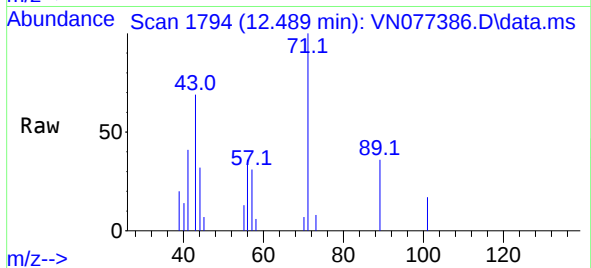
Tgt Ion:152 Resp: 403810
Ion Ratio Lower Upper
152 100
115 62.4 32.1 96.3
150 158.0 0.0 354.8





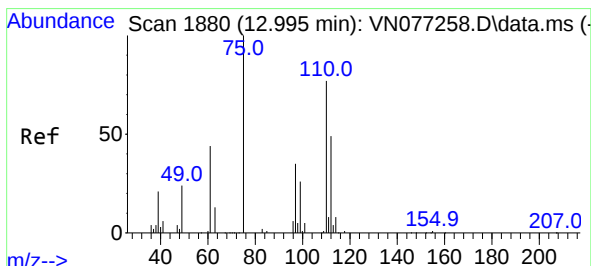
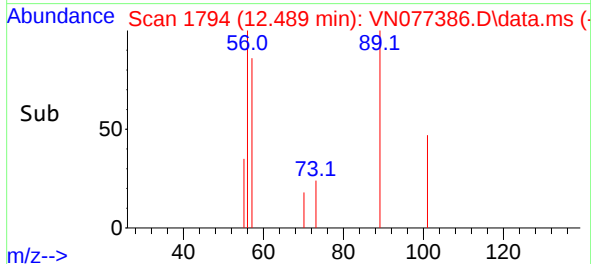
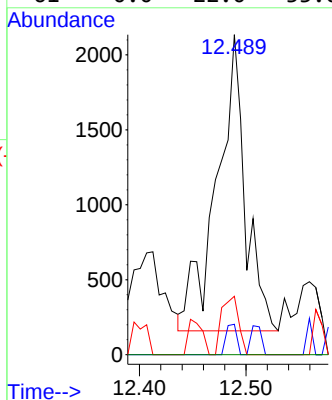
#74
N-amy1 acetate
Concen: 0.249 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14



Tgt Ion: 43 Resp: 3699

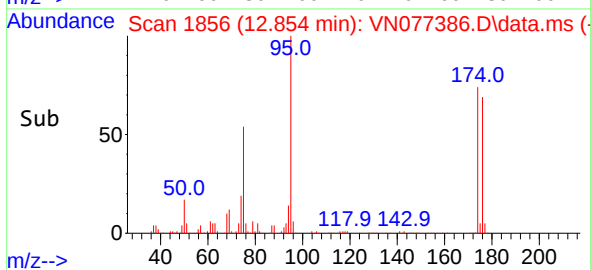
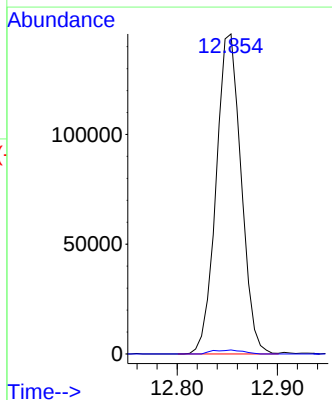
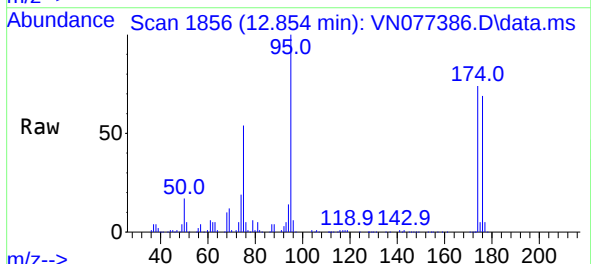
Ion	Ratio	Lower	Upper
43	100		
70	3.8	41.0	61.6#
55	11.6	19.3	28.9#
61	0.0	22.0	33.0#

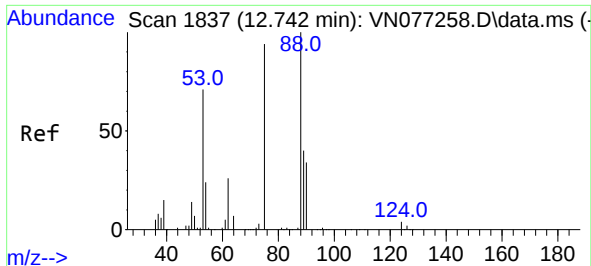


#76
1,2,3-Trichloropropane
Concen: 26.262 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Tgt Ion: 75 Resp: 252527

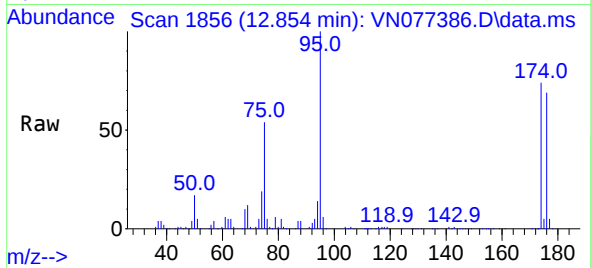
Ion	Ratio	Lower	Upper
75	100		
77	1.5	88.3	264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 59.097 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077386.D
Acq: 19 Apr 2023 19:35

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#14



Tgt Ion: 75 Resp: 252527
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

