

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077522.D
 Acq On : 29 Apr 2023 16:28
 Operator : JC\MD
 Sample : PB152434ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#06

Quant Time: May 01 01:24:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

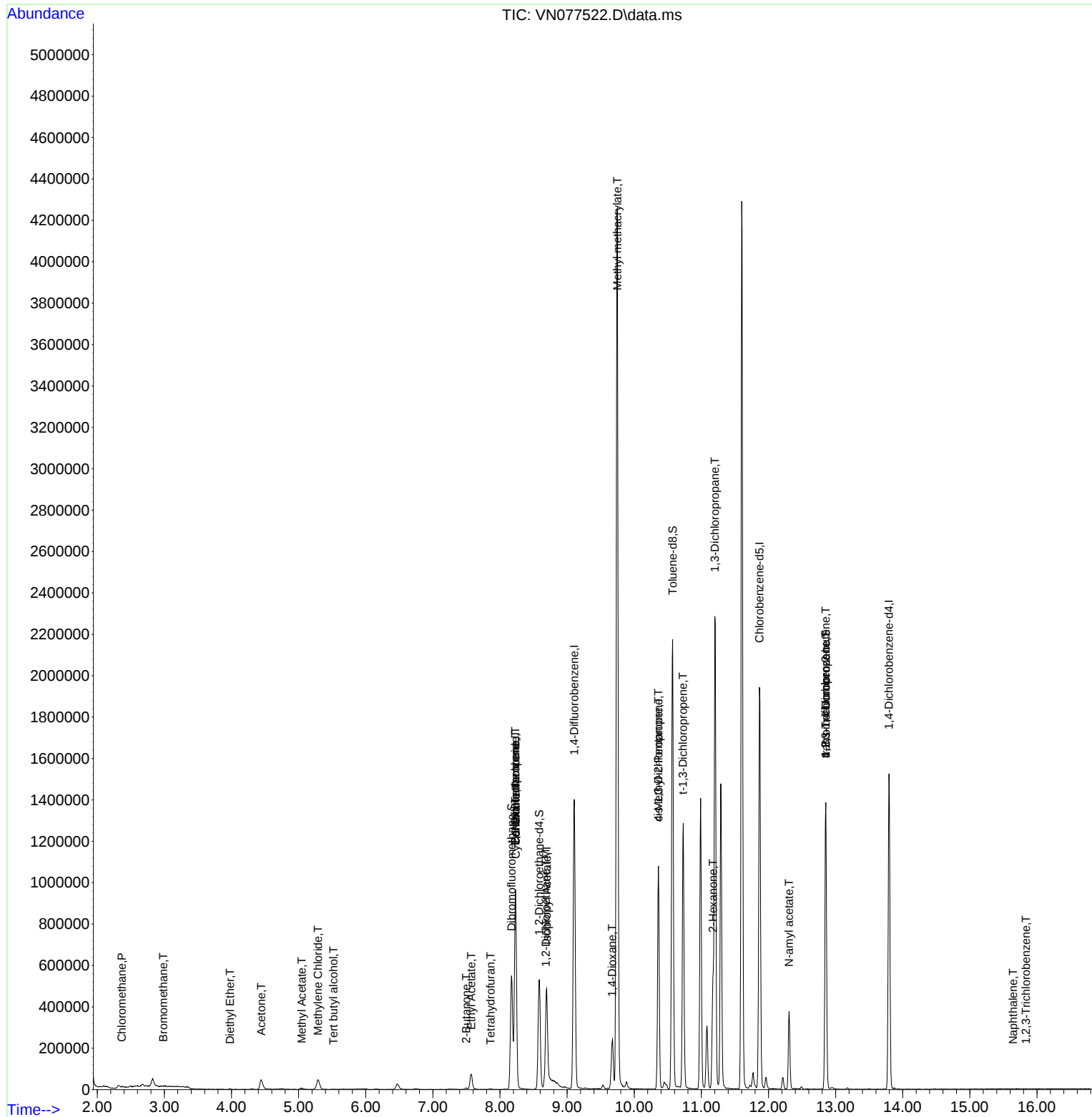
Internal Standards						
1) Pentafluorobenzene	8.231	168	676264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1294502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1178799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	420237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	446187	50.563	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.120%	
35) Dibromofluoromethane	8.172	113	392949	50.504	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.000%	
50) Toluene-d8	10.572	98	1570311	52.661	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.320%	
62) 4-Bromofluorobenzene	12.854	95	500488	51.299	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.366	50	1392	0.205	ug/l #	73
5) Bromomethane	2.984	94	1966	0.251	ug/l	96
8) Diethyl Ether	3.978	74	1239	0.257	ug/l	98
11) Tert butyl alcohol	5.519	59	1750	1.235	ug/l #	81
16) Acetone	4.443	43	86106	30.671	ug/l	98
18) Methyl Acetate	5.048	43	10281	0.948	ug/l #	77
20) Methylene Chloride	5.290	84	41662	4.679	ug/l	97
25) 2-Butanone	7.495	43	9396	2.360	ug/l	88
29) Tetrahydrofuran	7.860	42	1652	0.662	ug/l #	87
31) Cyclohexane	8.236	56	14685	1.175	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	57726	5.135	ug/l #	49
37) Ethyl Acetate	7.572	43	100881	11.811	ug/l	97
38) Carbon Tetrachloride	8.231	117	77071	6.214	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	4113	0.350	ug/l #	73
43) Isopropyl Acetate	8.695	43	577655	39.092	ug/l #	84
48) Methyl methacrylate	9.748	41	370334	55.057	ug/l #	29
49) 1,4-Dioxane	9.672	88	249	1.476	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	354930	40.950	ug/l #	42
53) t-1,3-Dichloropropene	10.724	75	3601	0.282	ug/l #	65
54) cis-1,3-Dichloropropene	10.360	75	223865	16.133	ug/l #	60
57) 1,3-Dichloropropane	11.201	76	29510	2.054	ug/l #	44
59) 2-Hexanone	11.172	43	387914	61.572	ug/l #	19
74) N-amyl acetate	12.307	43	104524	9.054	ug/l #	46
76) 1,2,3-Trichloropropane	12.854	75	270397	27.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	270397	78.173	ug/l #	15
95) Naphthalene	15.642	128	619	1.196	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.836	180	109	0.512	ug/l #	75

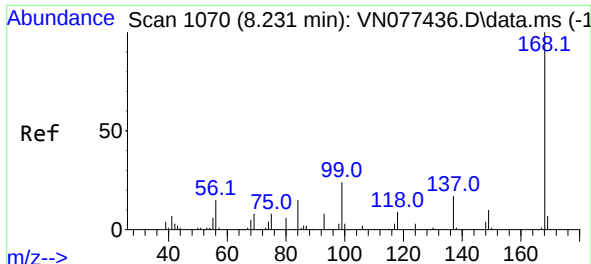
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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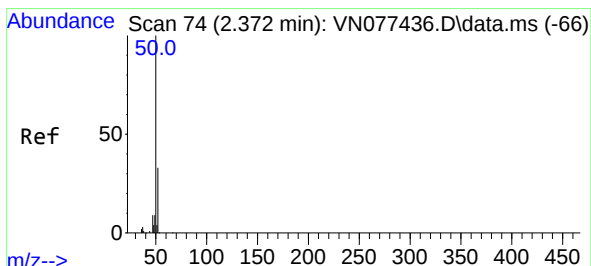
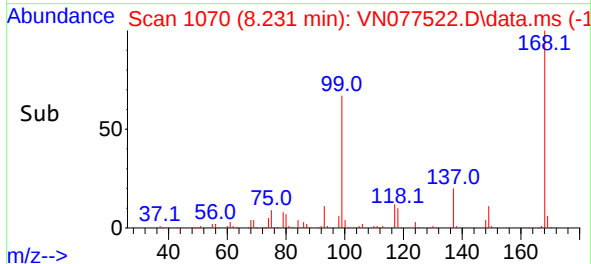
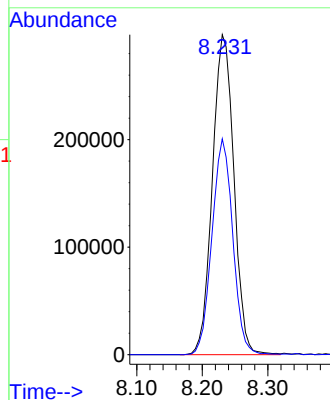
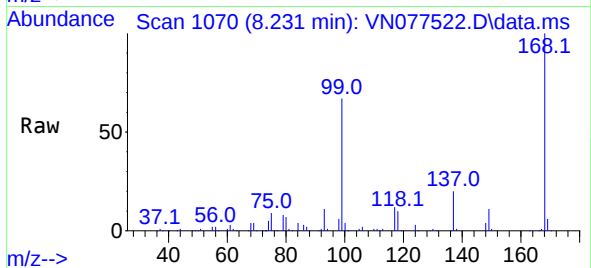




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

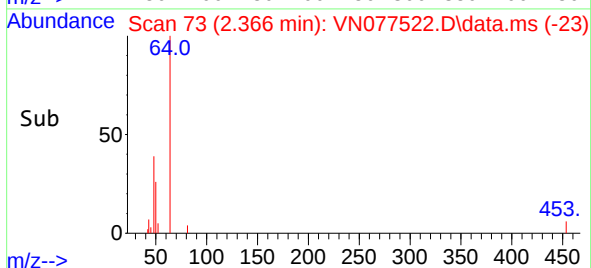
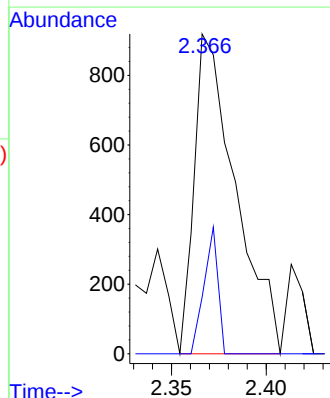
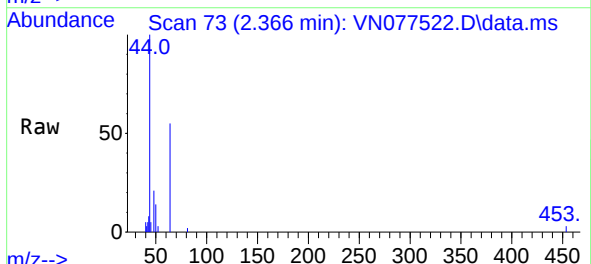
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

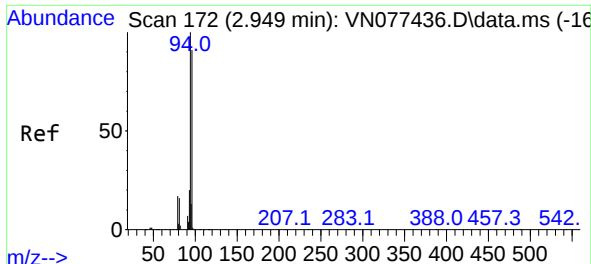
Tgt Ion:168 Resp: 676264
Ion Ratio Lower Upper
168 100
99 67.5 53.0 79.6



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.366 min Scan# 73
Delta R.T. -0.006 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 50 Resp: 1392
Ion Ratio Lower Upper
50 100
52 17.7 26.5 39.7#

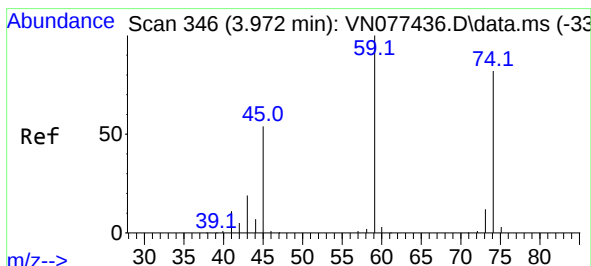
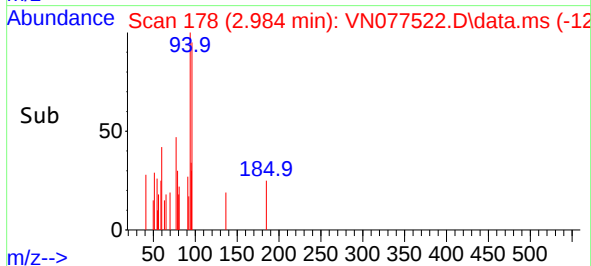
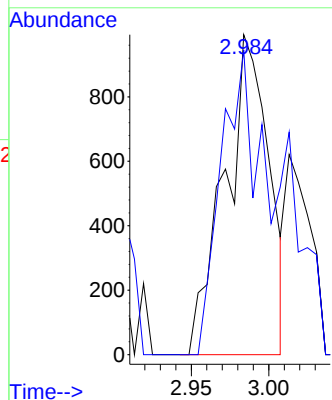
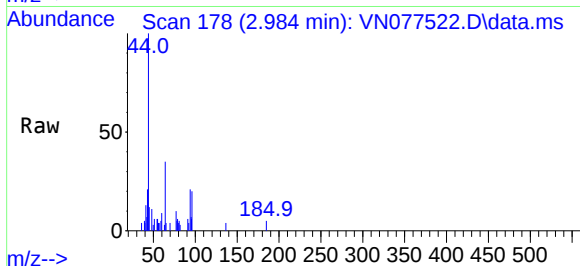




#5
Bromomethane
Concen: 0.251 ug/l
RT: 2.984 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

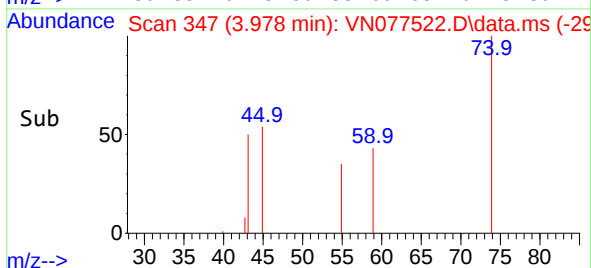
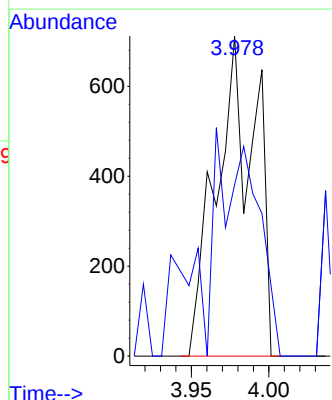
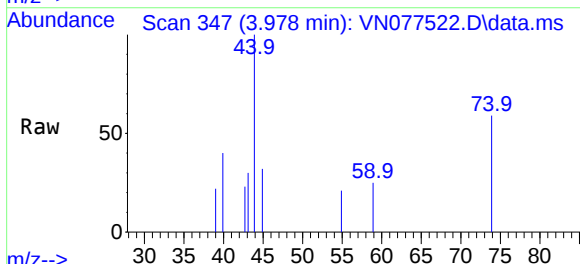
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

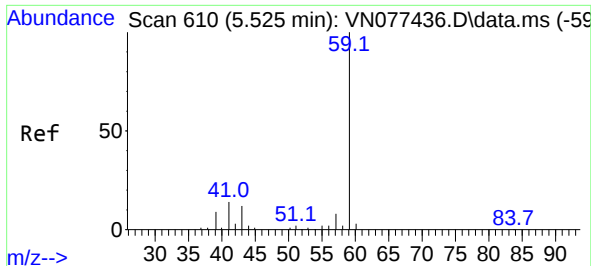
Tgt Ion: 94 Resp: 1966
Ion Ratio Lower Upper
94 100
96 95.3 73.1 109.7



#8
Diethyl Ether
Concen: 0.257 ug/l
RT: 3.978 min Scan# 347
Delta R.T. 0.006 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

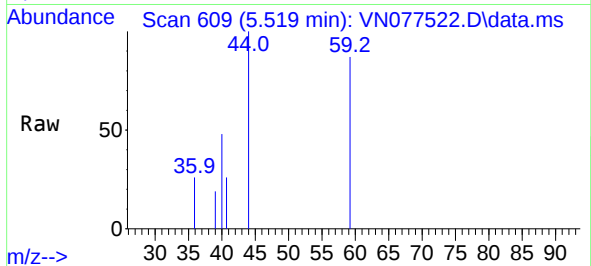
Tgt Ion: 74 Resp: 1239
Ion Ratio Lower Upper
74 100
45 70.5 34.4 103.3



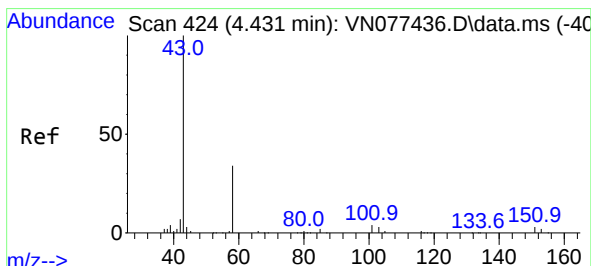
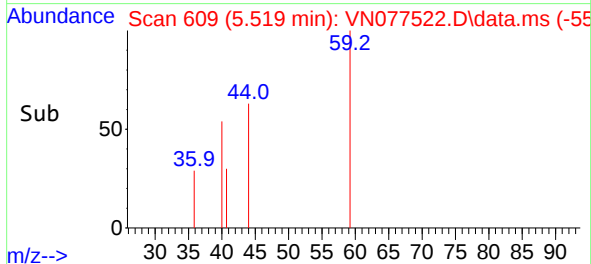
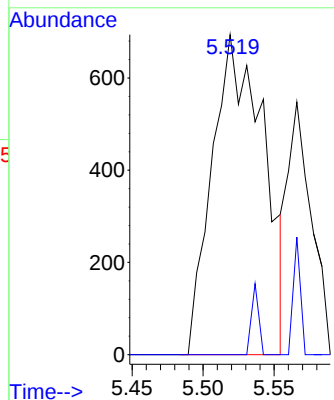


#11
Tert butyl alcohol
Concen: 1.235 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

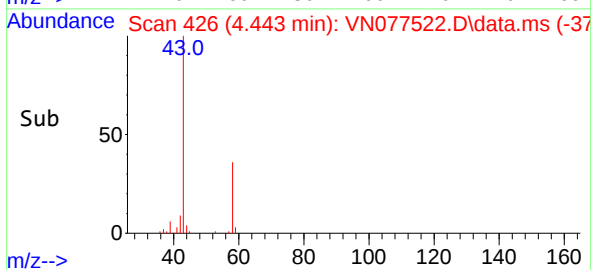
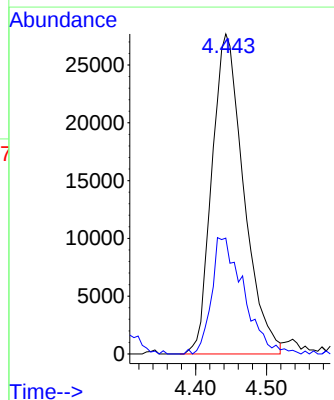
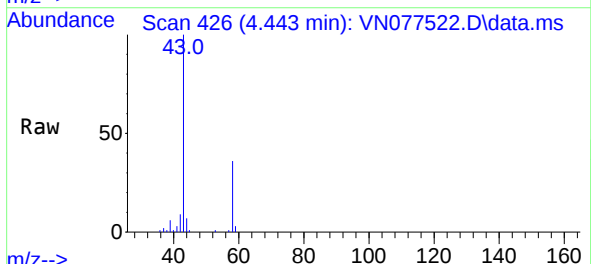


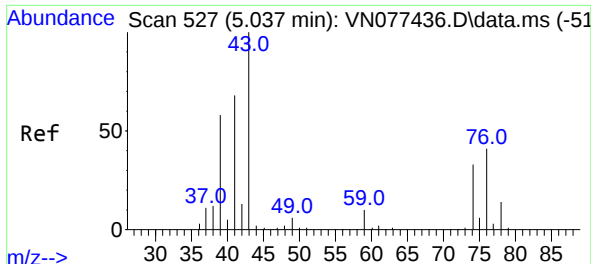
Tgt Ion: 59 Resp: 1750
Ion Ratio Lower Upper
59 100
57 3.1 8.2 12.4#



#16
Acetone
Concen: 30.671 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 43 Resp: 86106
Ion Ratio Lower Upper
43 100
58 36.2 28.0 42.0

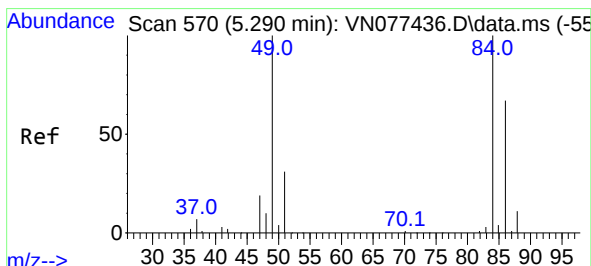
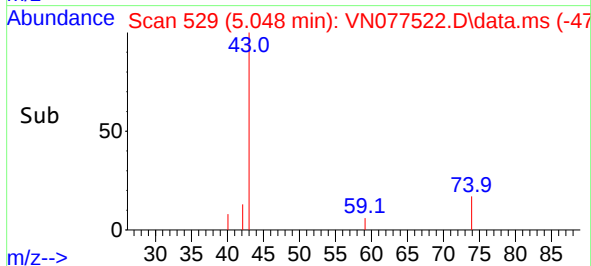
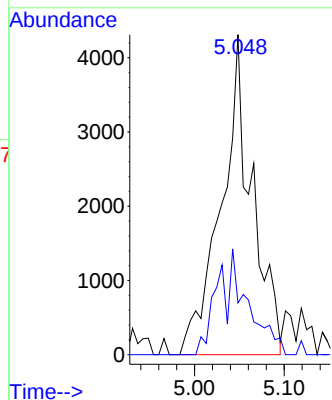
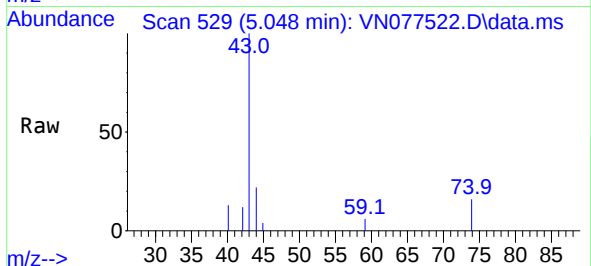




#18
Methyl Acetate
Concen: 0.948 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

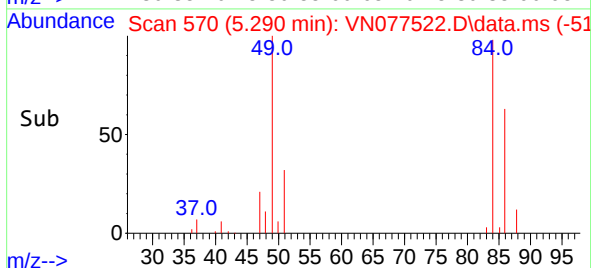
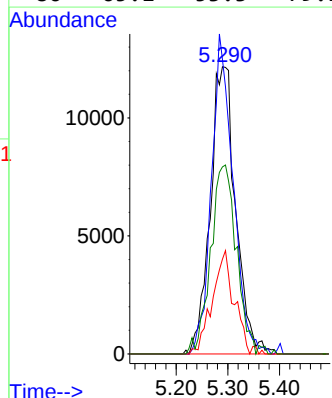
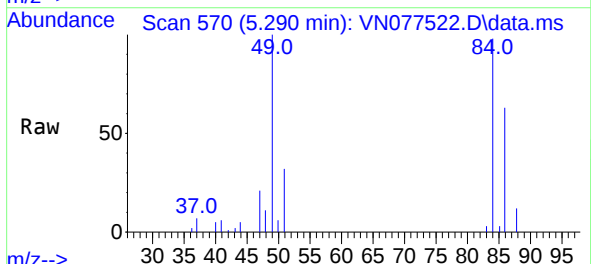
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ClientSampleId :
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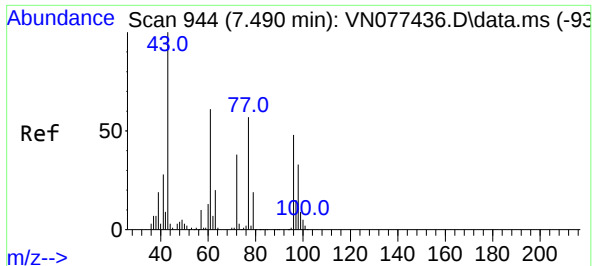
Tgt Ion: 43 Resp: 10281
Ion Ratio Lower Upper
43 100
74 19.6 26.2 39.4#



#20
Methylene Chloride
Concen: 4.679 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 84 Resp: 41662
Ion Ratio Lower Upper
84 100
49 102.5 79.7 119.5
51 33.0 25.2 37.8
86 65.1 53.3 79.9

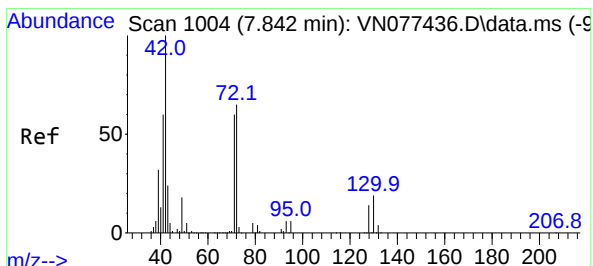
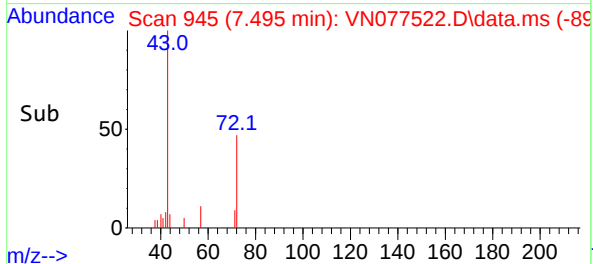
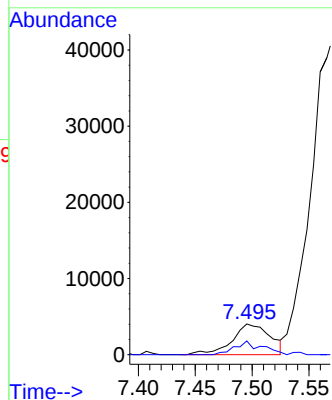
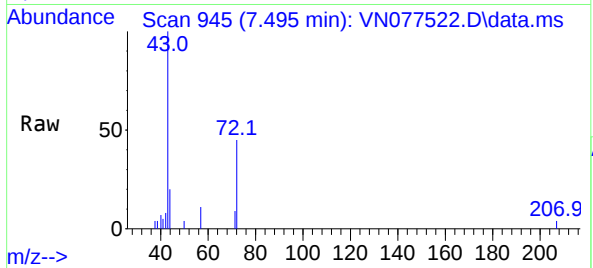




#25
2-Butanone
Concen: 2.360 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

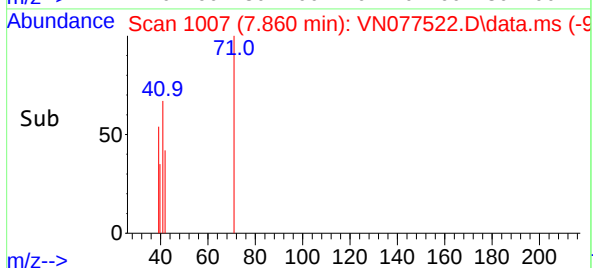
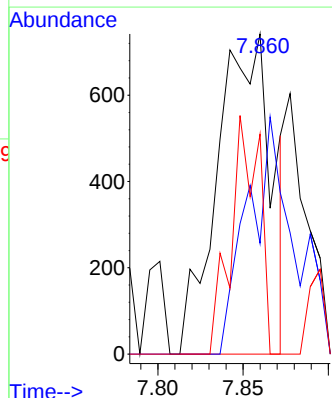
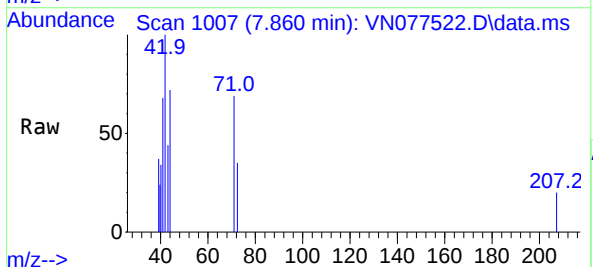
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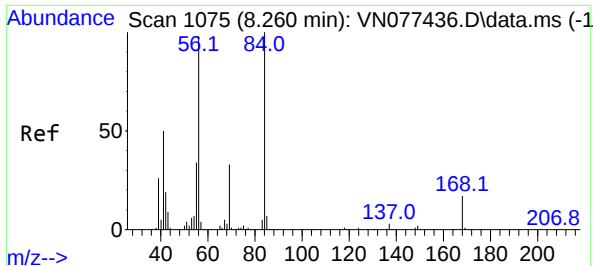
Tgt Ion: 43 Resp: 9396
Ion Ratio Lower Upper
43 100
72 44.7 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.662 ug/l
RT: 7.860 min Scan# 1007
Delta R.T. 0.018 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

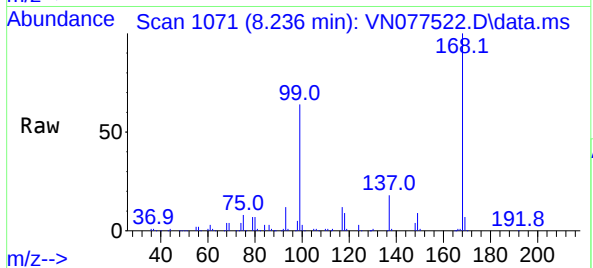
Tgt Ion: 42 Resp: 1652
Ion Ratio Lower Upper
42 100
72 62.3 49.8 74.6
71 38.7 47.4 71.2#



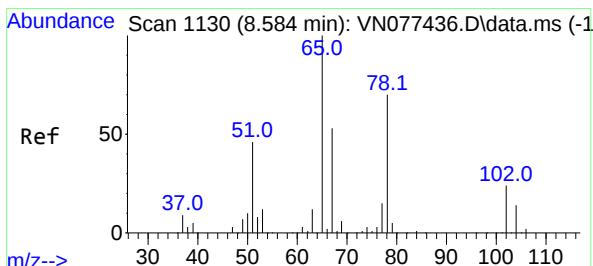
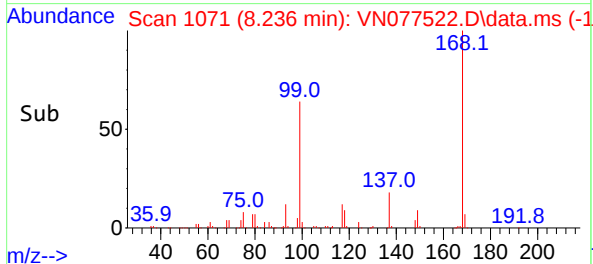
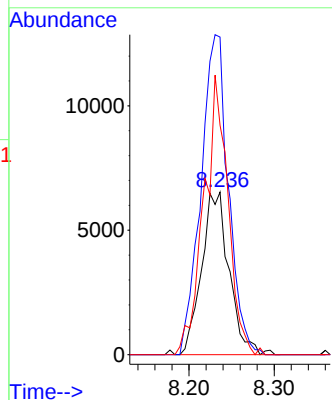


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

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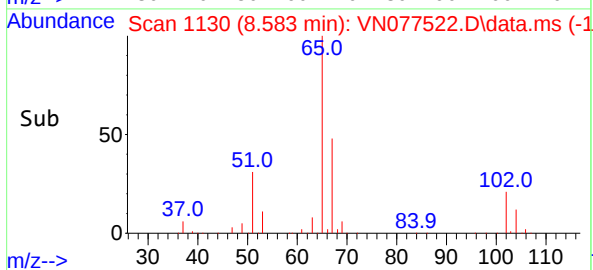
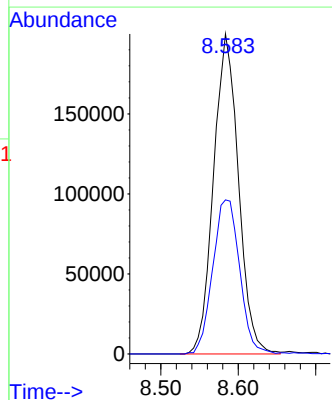
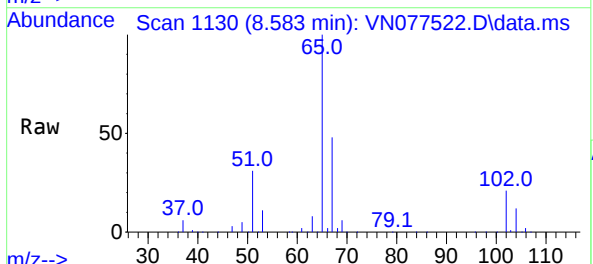


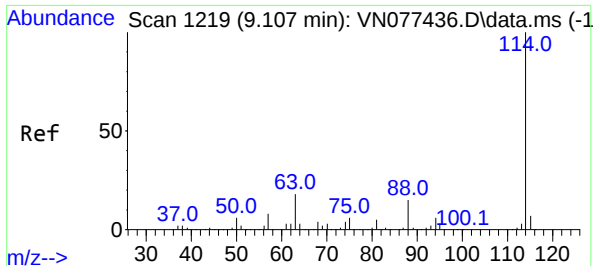
Tgt Ion: 56 Resp: 14685
Ion Ratio Lower Upper
56 100
69 195.3 26.8 40.2#
84 141.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 50.563 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 65 Resp: 446187
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077522.D

Acq: 29 Apr 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#06

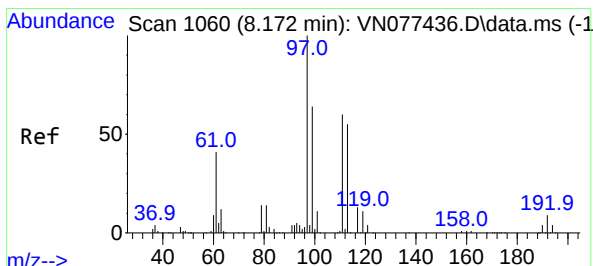
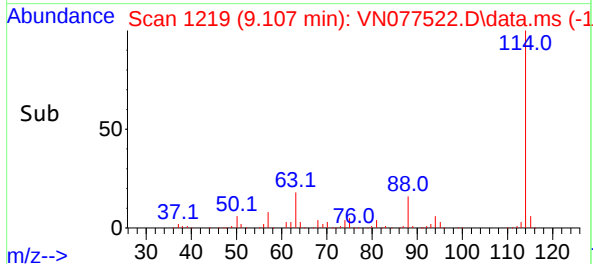
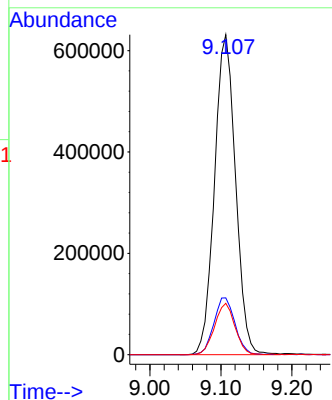
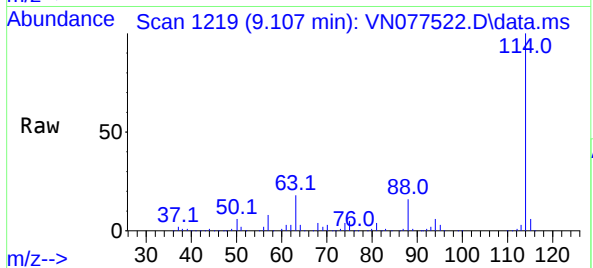
Tgt Ion:114 Resp: 1294502

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.504 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077522.D

Acq: 29 Apr 2023 16:28

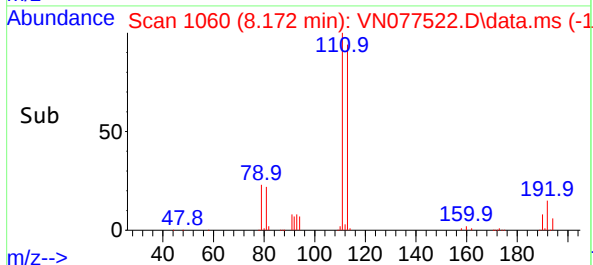
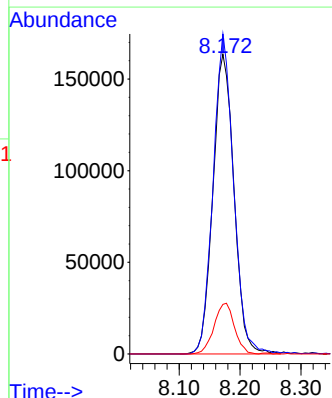
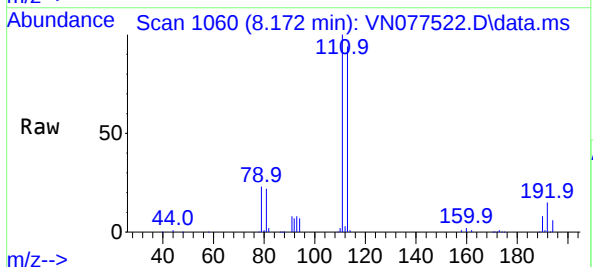
Tgt Ion:113 Resp: 392949

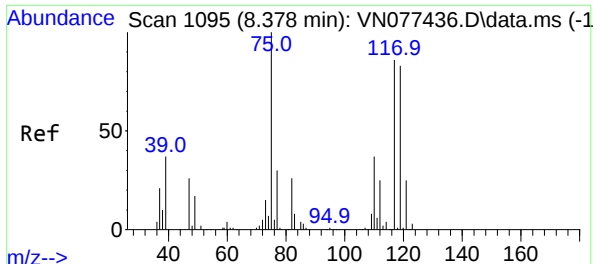
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 16.3 12.7 19.1

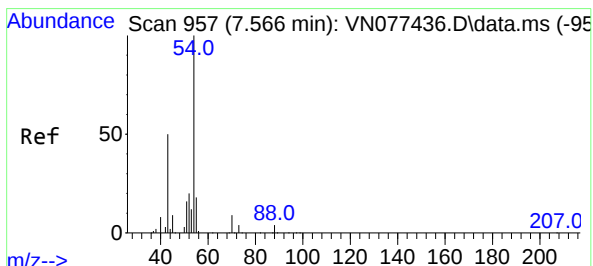
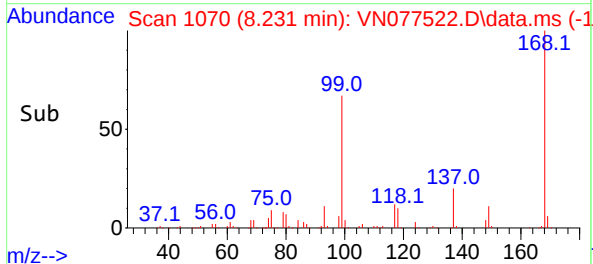
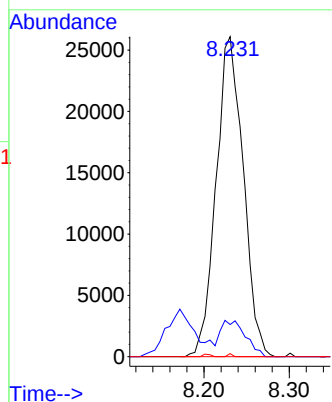
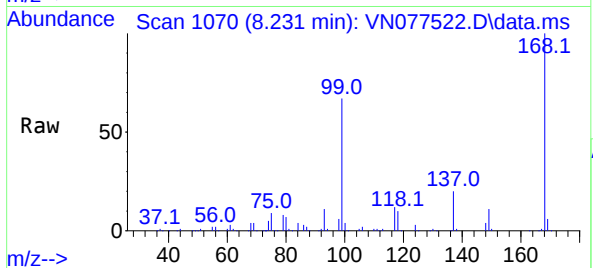




#36
1,1-Dichloropropene
Concen: 5.135 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

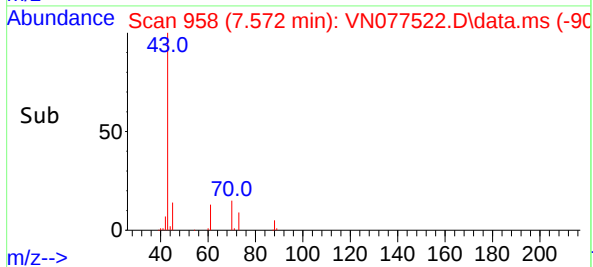
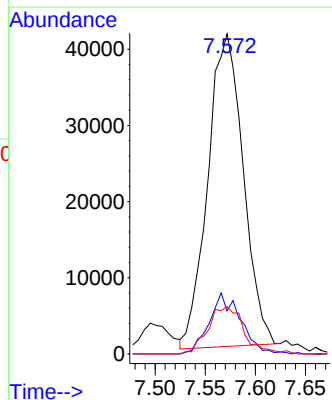
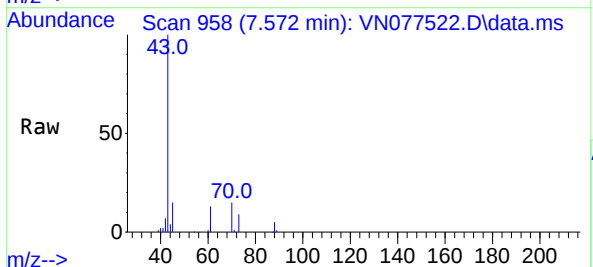
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

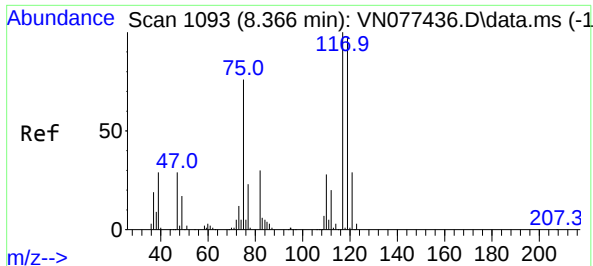
Tgt Ion: 75 Resp: 57726
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.1 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.811 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

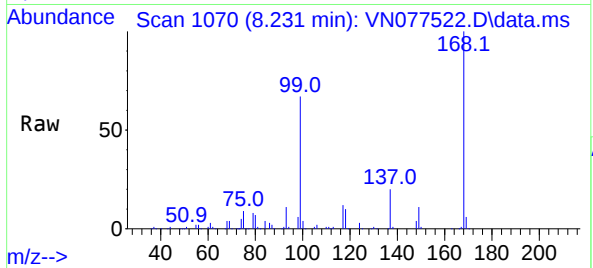
Tgt Ion: 43 Resp: 100881
Ion Ratio Lower Upper
43 100
61 17.3 13.2 19.8
70 15.5 11.3 16.9



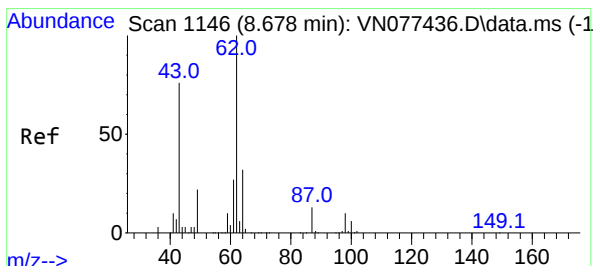
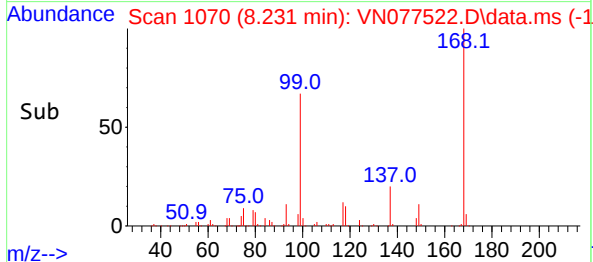
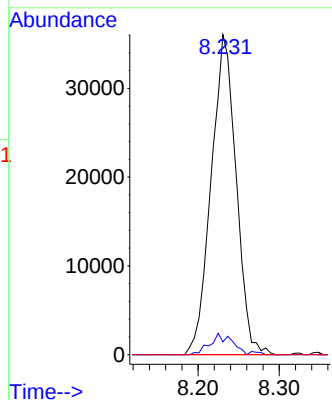


#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

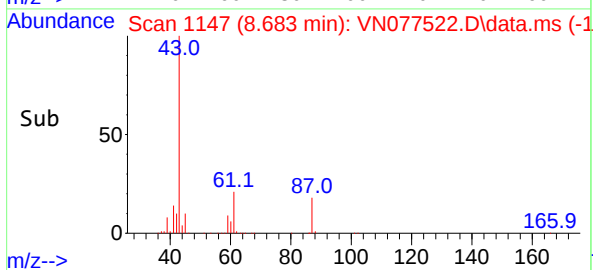
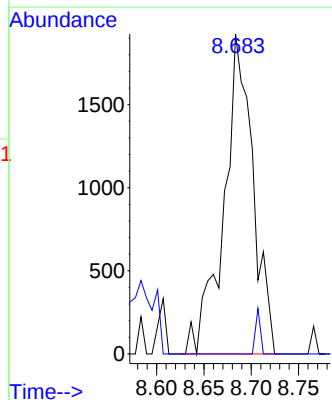
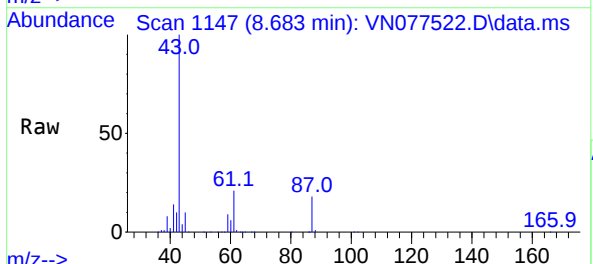


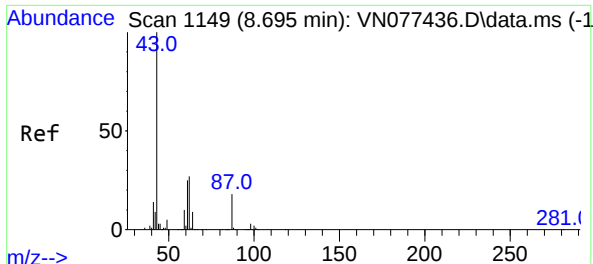
Tgt Ion:117 Resp: 77071
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.350 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 62 Resp: 4113
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

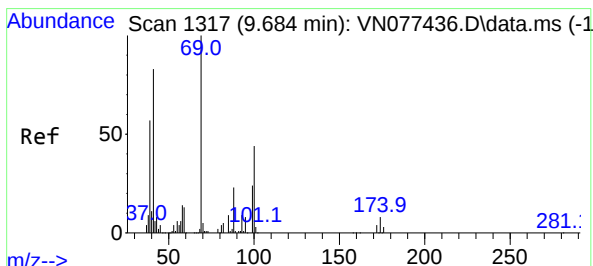
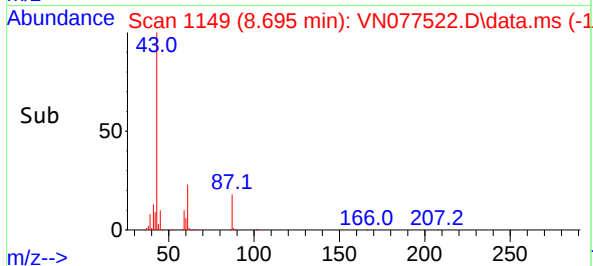
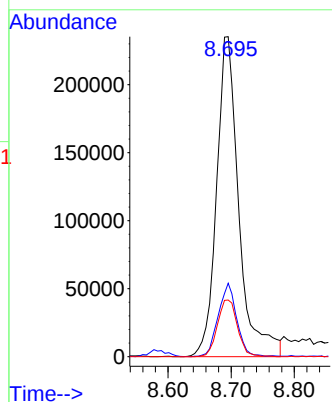
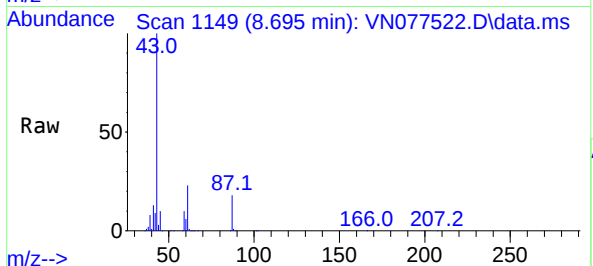




#43
Isopropyl Acetate
Concen: 39.092 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

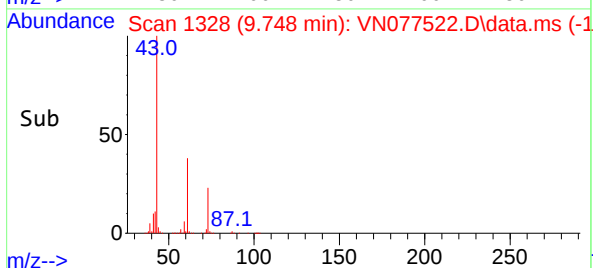
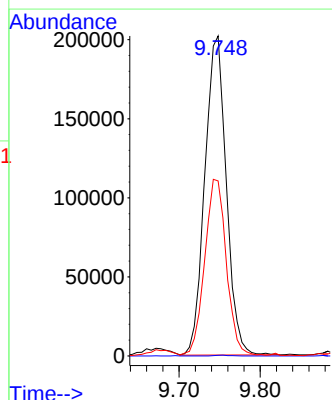
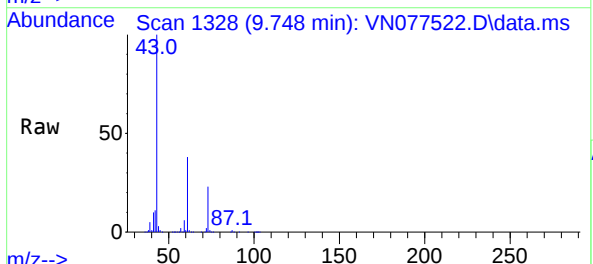
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

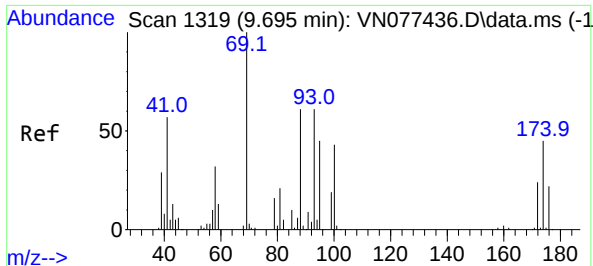
Tgt Ion: 43 Resp: 577655
Ion Ratio Lower Upper
43 100
61 19.0 24.7 37.1#
87 15.9 14.6 21.8



#48
Methyl methacrylate
Concen: 55.057 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

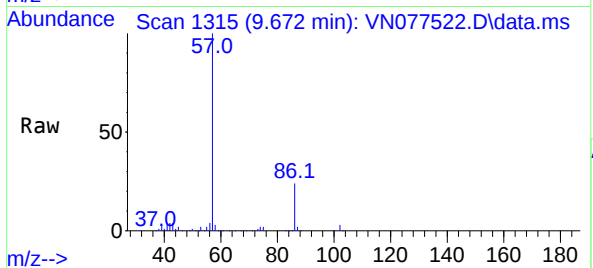
Tgt Ion: 41 Resp: 370334
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 55.6 54.6 81.8



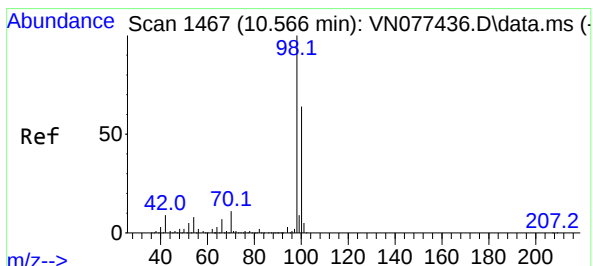
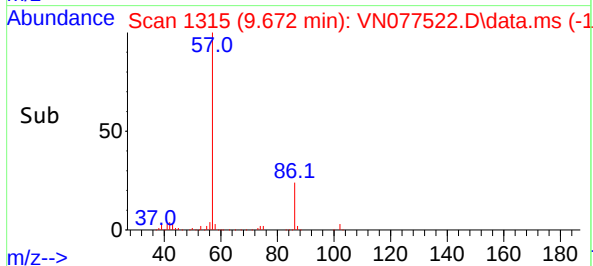
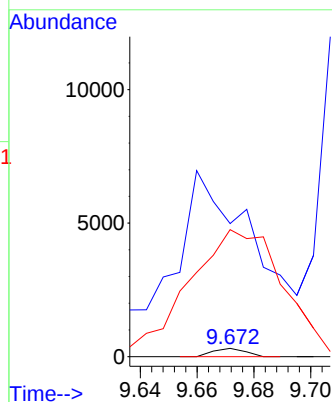


#49
1,4-Dioxane
Concen: 1.476 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

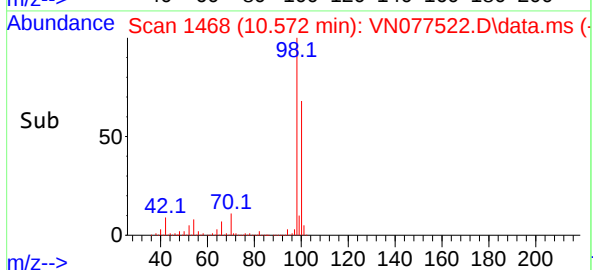
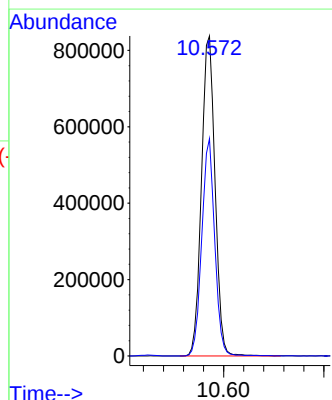
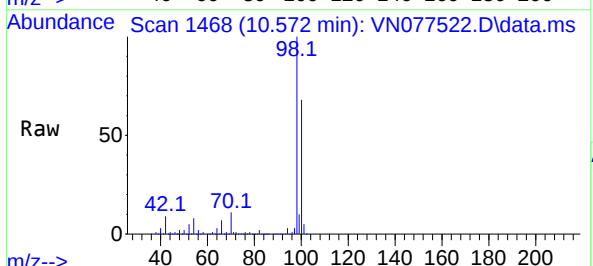


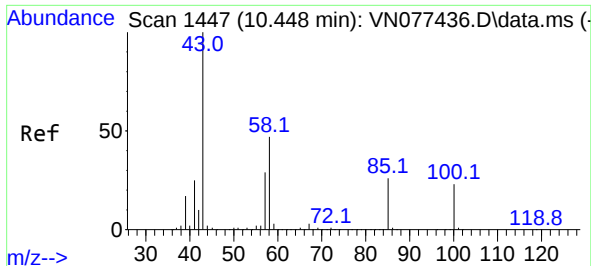
Tgt Ion: 88 Resp: 249
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 4506.0 47.0 70.4#



#50
Toluene-d8
Concen: 52.661 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 98 Resp: 1570311
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

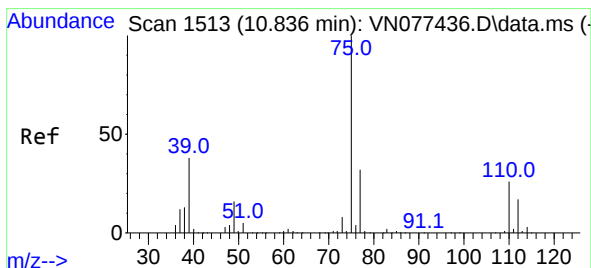
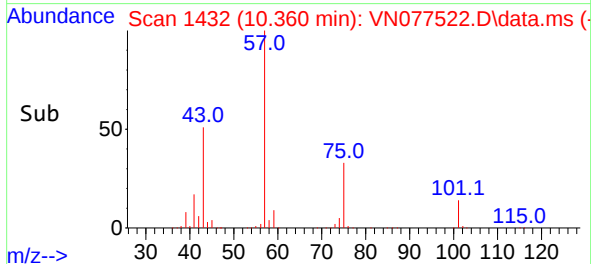
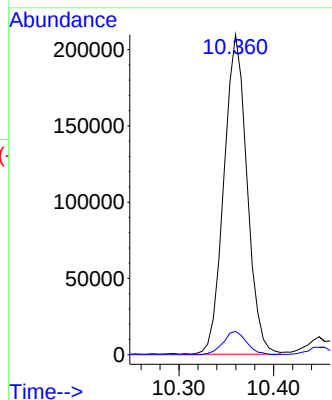
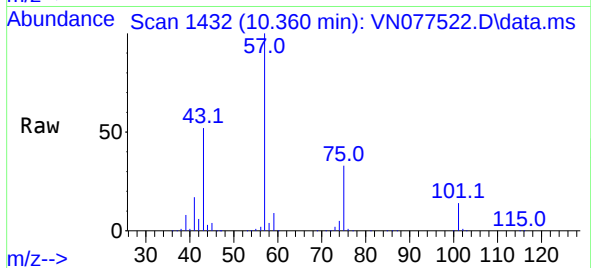




#51
4-Methyl-2-Pentanone
Concen: 40.950 ug/l
RT: 10.360 min Scan# 1447
Delta R.T. -0.088 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

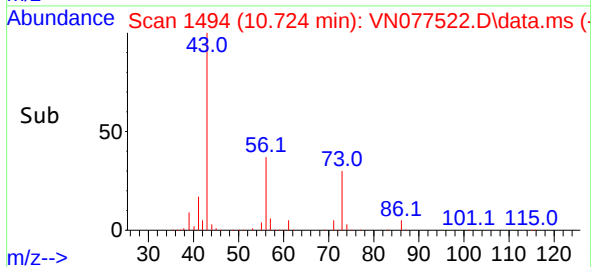
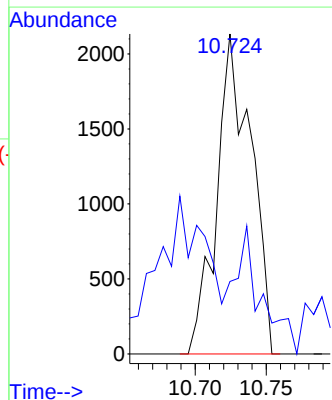
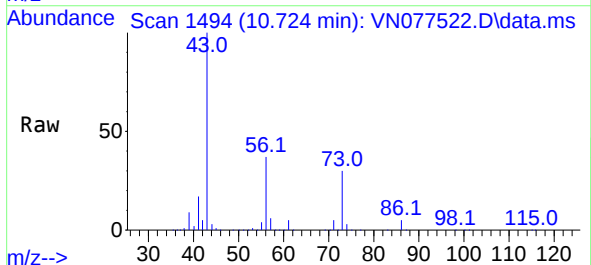
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

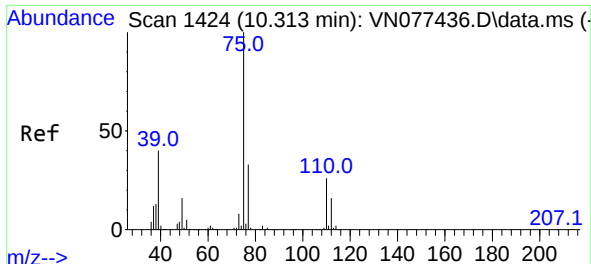
Tgt Ion: 43 Resp: 354930
Ion Ratio Lower Upper
43 100
58 7.4 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.282 ug/l
RT: 10.724 min Scan# 1494
Delta R.T. -0.112 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 75 Resp: 3601
Ion Ratio Lower Upper
75 100
77 12.0 25.4 38.0#

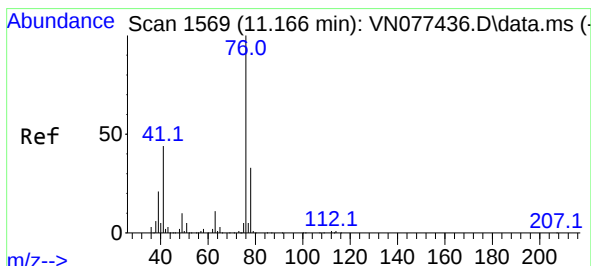
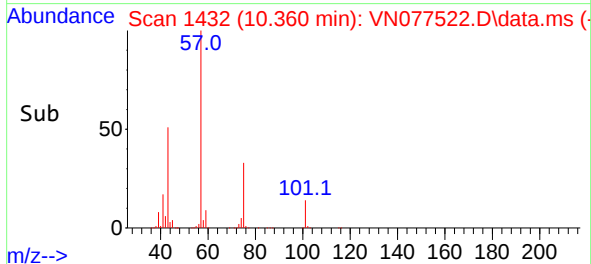
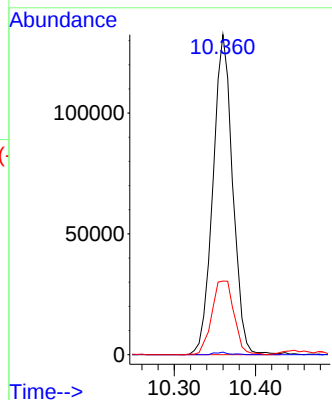
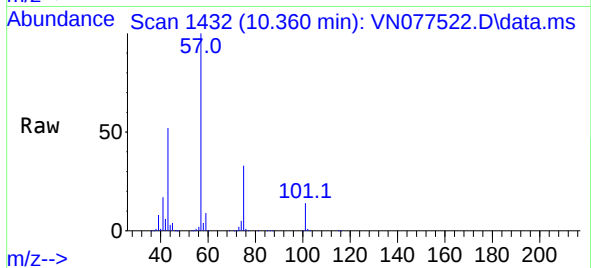




#54
cis-1,3-Dichloropropene
Concen: 16.133 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

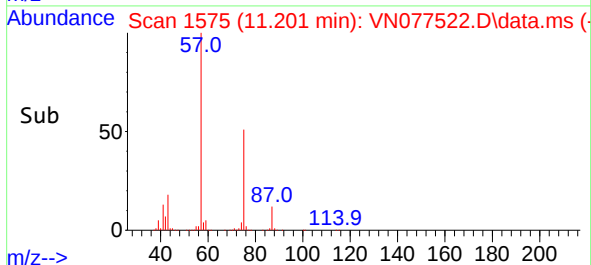
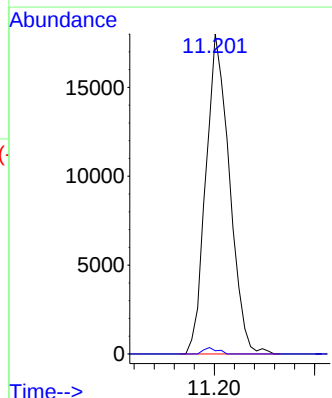
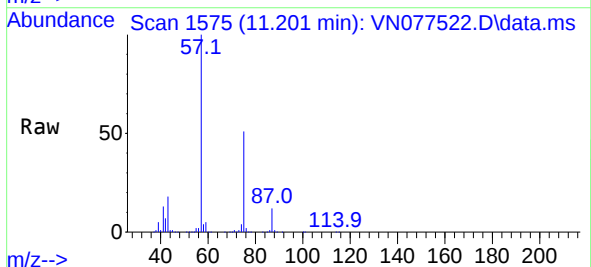
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

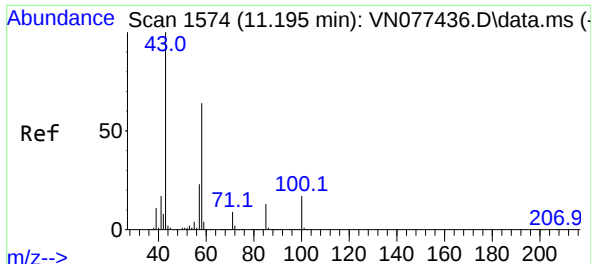
Tgt Ion:	75	Resp:	223865
Ion	Ratio	Lower	Upper
75	100		
77	0.8	26.1	39.1#
39	23.0	31.6	47.4#



#57
1,3-Dichloropropane
Concen: 2.054 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion:	76	Resp:	29510
Ion	Ratio	Lower	Upper
76	100		
78	1.2	26.1	39.1#

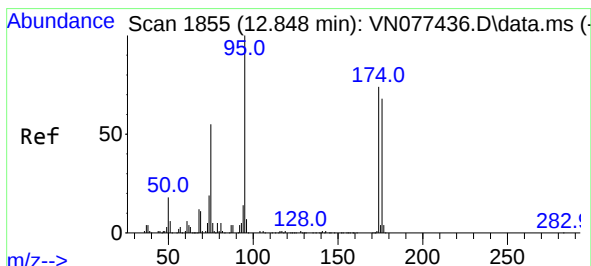
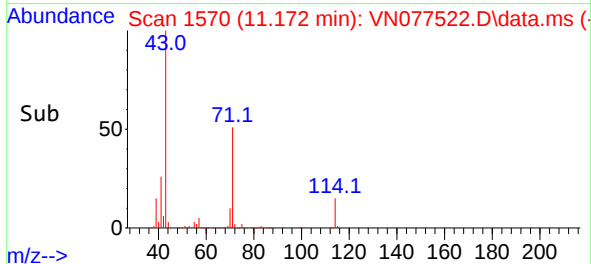
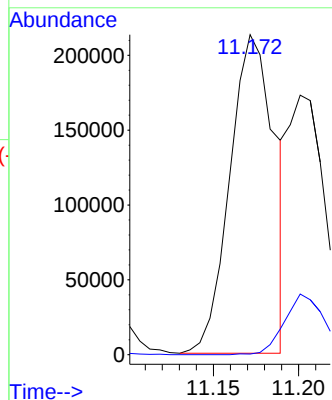
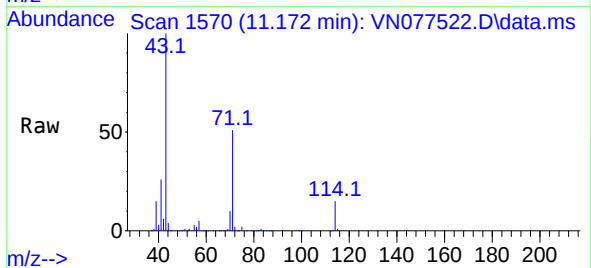




#59
2-Hexanone
Concen: 61.572 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.024 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

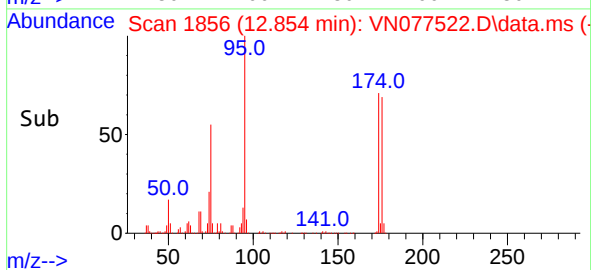
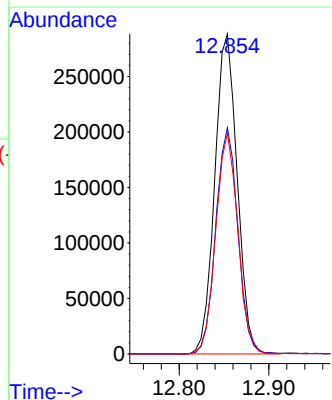
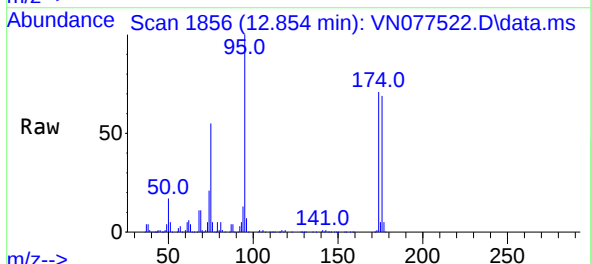
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

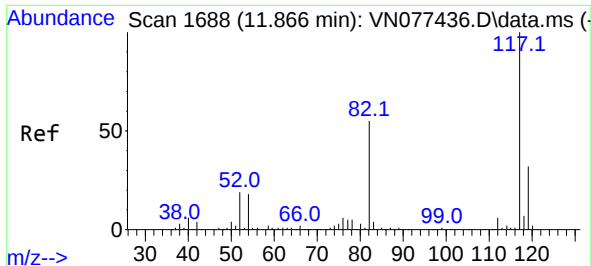
Tgt Ion: 43 Resp: 387914
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.299 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 95 Resp: 500488
Ion Ratio Lower Upper
95 100
174 69.5 0.0 143.8
176 67.9 0.0 135.8

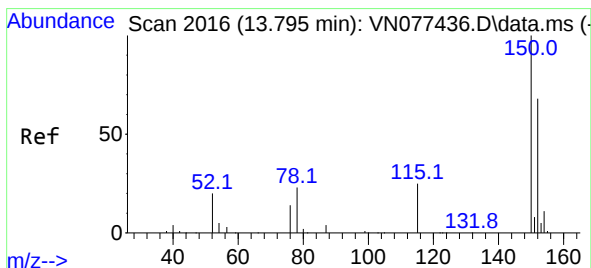
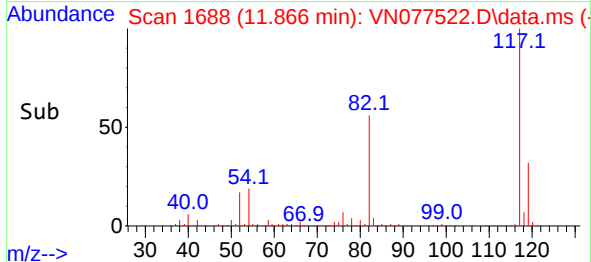
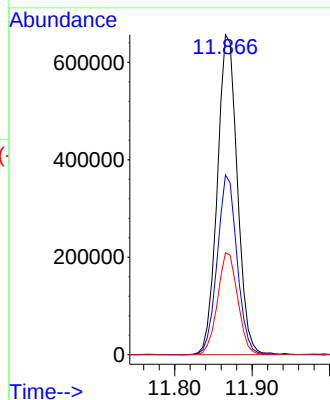
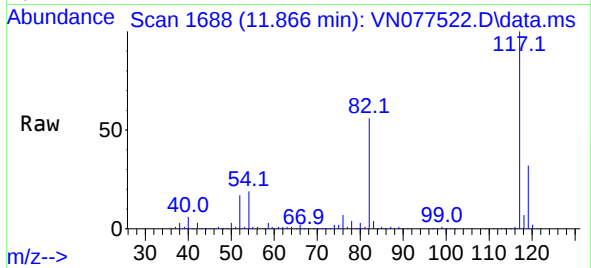




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1178799
Delta R.T. -0.000 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

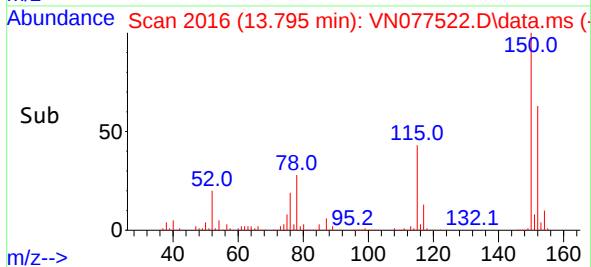
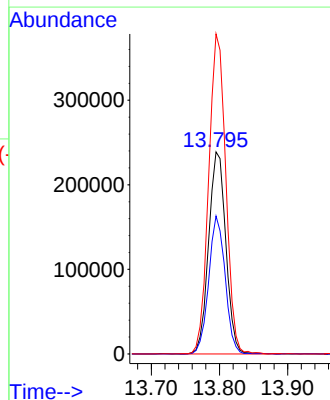
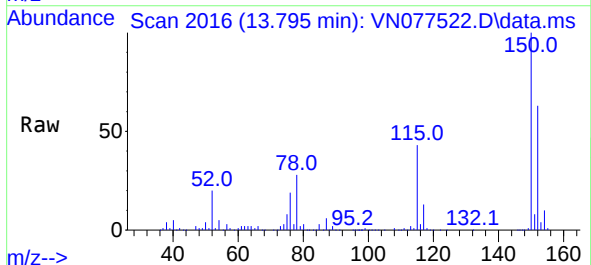
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

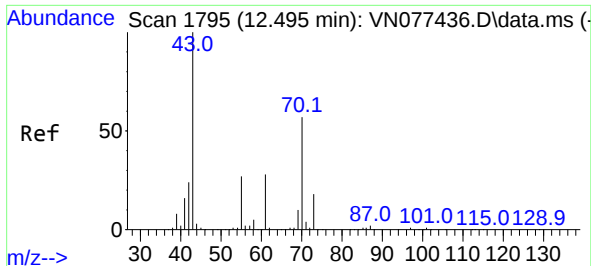
Tgt Ion:117 Resp: 1178799
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion:152 Resp: 420237
Ion Ratio Lower Upper
152 100
115 65.2 32.3 96.8
150 157.3 0.0 355.8



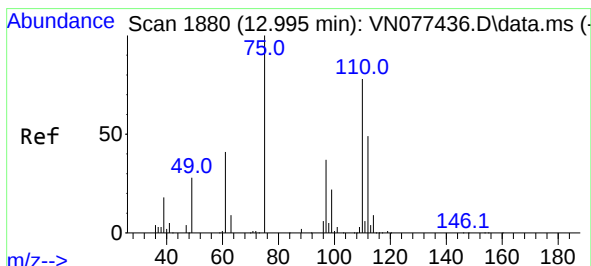
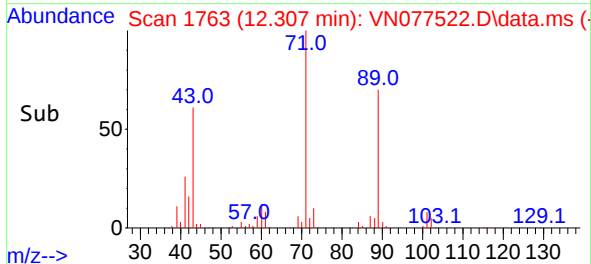
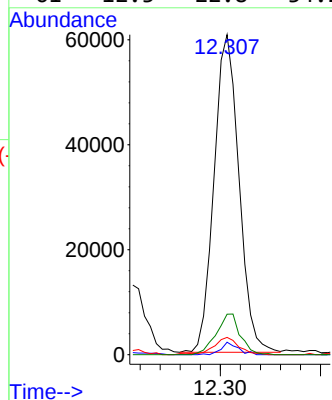
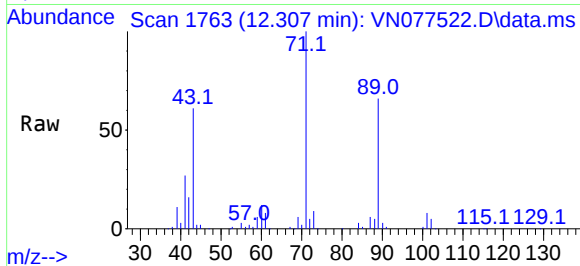


#74
N-amy1 acetate
Concen: 9.054 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

Tgt Ion: 43 Resp: 104524

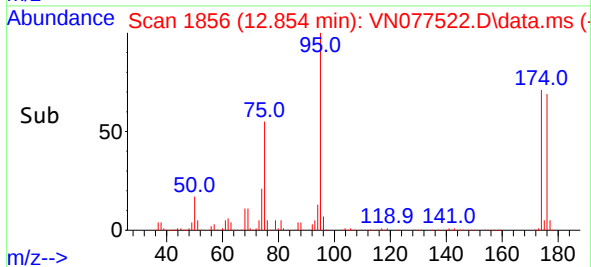
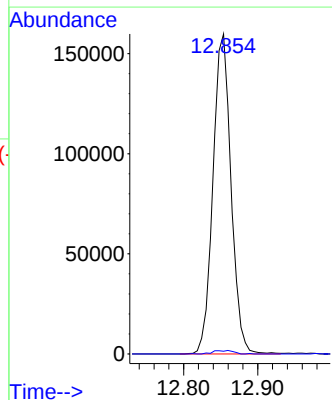
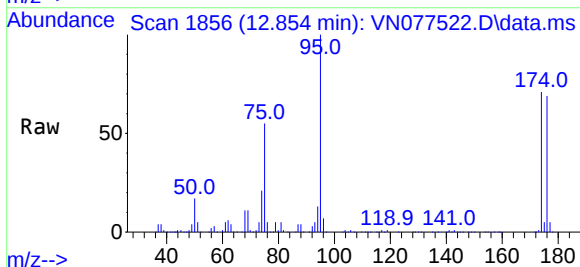
Ion	Ratio	Lower	Upper
43	100		
70	2.6	43.4	65.2#
55	5.5	21.4	32.0#
61	12.3	22.8	34.2#

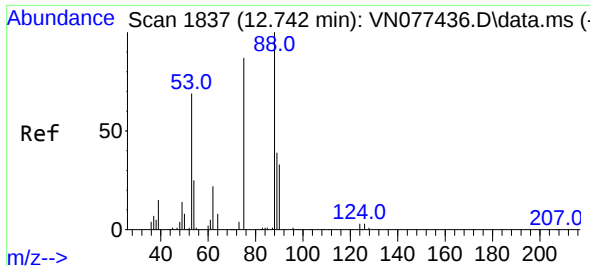


#76
1,2,3-Trichloropropane
Concen: 27.670 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

Tgt Ion: 75 Resp: 270397

Ion	Ratio	Lower	Upper
75	100		
77	1.2	84.5	253.5#

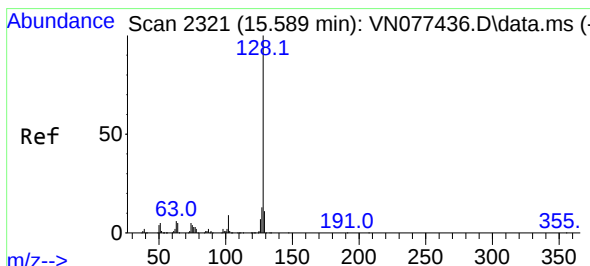
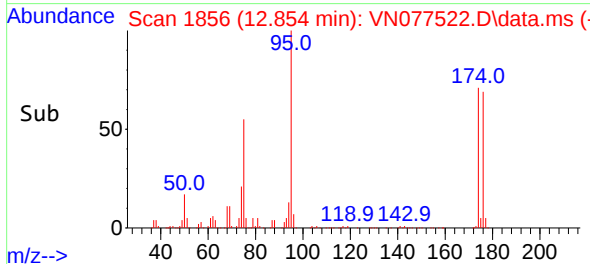
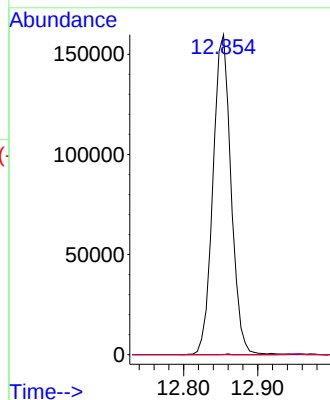
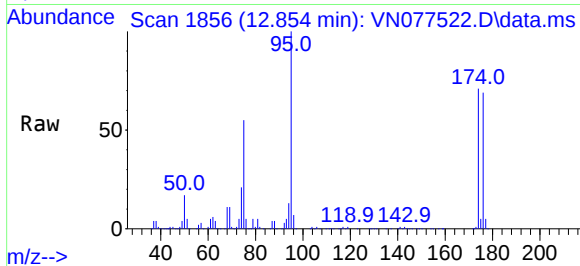




#81
trans-1,4-Dichloro-2-butene
Concen: 78.173 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

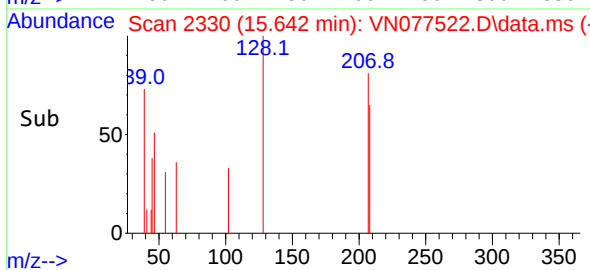
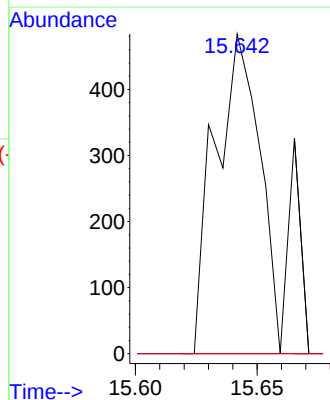
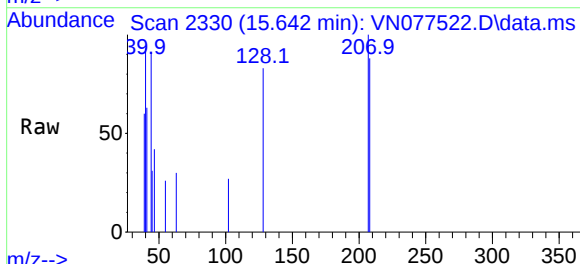
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#06

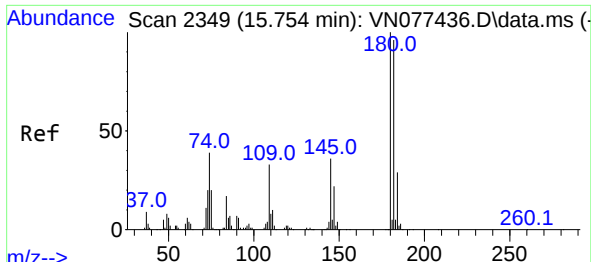
Tgt Ion: 75 Resp: 270397
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.196 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. 0.053 min
Lab File: VN077522.D
Acq: 29 Apr 2023 16:28

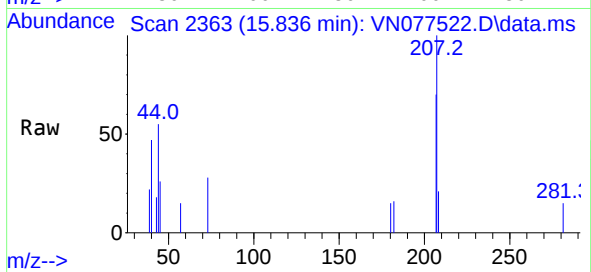
Tgt Ion: 128 Resp: 619
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.512 ug/l
 RT: 15.836 min Scan# 21
 Delta R.T. 0.082 min
 Lab File: VN077522.D
 Acq: 29 Apr 2023 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#06



Tgt Ion:	180	Resp:	109
Ion	Ratio	Lower	Upper
180	100		
182	103.7	46.2	138.6
145	0.0	17.5	52.6#

