

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077373.D
 Acq On : 19 Apr 2023 14:20
 Operator : JC\MD
 Sample : PB152199ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#01

Quant Time: Apr 20 04:25:48 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)

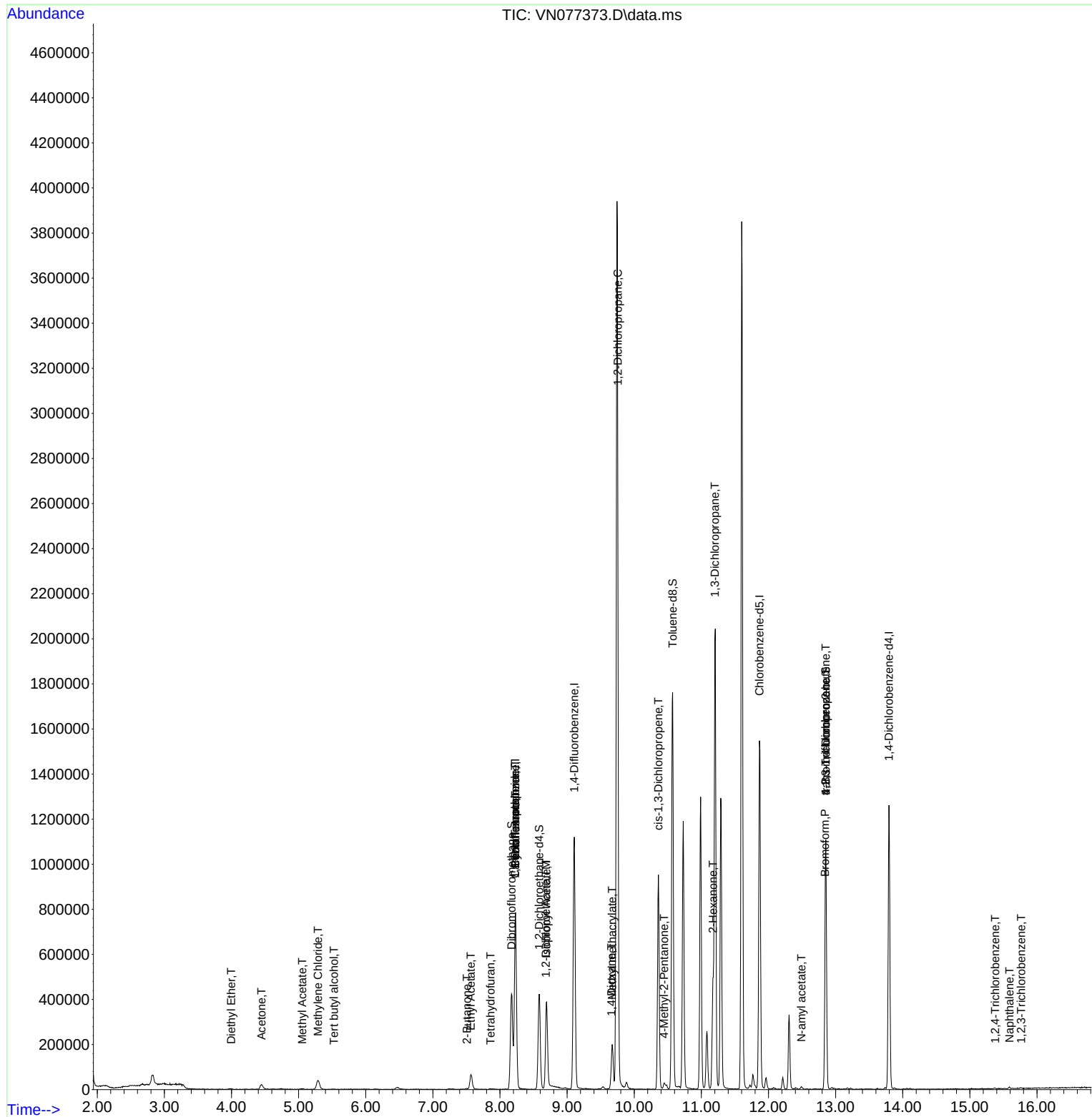
Internal Standards						
1) Pentafluorobenzene	8.230	168	554773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1034881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	943430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	335374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	341150	44.993	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.980%		
35) Dibromofluoromethane	8.172	113	317913	47.987	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.980%		
50) Toluene-d8	10.571	98	1272504	47.713	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.420%		
62) 4-Bromofluorobenzene	12.854	95	399318	45.018	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.040%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.995	74	1967	0.455	ug/l	99
11) Tert butyl alcohol	5.525	59	691	0.447	ug/l	96
16) Acetone	4.448	43	39793	14.234	ug/l	93
18) Methyl Acetate	5.054	43	4948	0.465	ug/l #	74
20) Methylene Chloride	5.289	84	35221	4.461	ug/l	94
25) 2-Butanone	7.507	43	3811	0.840	ug/l	95
29) Tetrahydrofuran	7.860	42	1555	0.533	ug/l #	84
31) Cyclohexane	8.230	56	13366	1.134	ug/l #	27
36) 1,1-Dichloropropene	8.225	75	48893	4.990	ug/l #	42
37) Ethyl Acetate	7.566	43	91601	10.449	ug/l #	94
38) Carbon Tetrachloride	8.225	117	63832	6.359	ug/l #	13
42) 1,2-Dichloroethane	8.683	62	3159	0.336	ug/l #	73
43) Isopropyl Acetate	8.689	43	439570	27.173	ug/l #	91
45) 1,2-Dichloropropane	9.754	63	5235	0.721	ug/l #	41
48) Methyl methacrylate	9.672	41	10683	1.548	ug/l #	5
49) 1,4-Dioxane	9.660	88	160	0.956	ug/l #	1
51) 4-Methyl-2-Pentanone	10.442	43	16255	1.738	ug/l	92
54) cis-1,3-Dichloropropene	10.360	75	196300	15.526	ug/l #	62
57) 1,3-Dichloropropane	11.201	76	23782	1.833	ug/l #	45
59) 2-Hexanone	11.171	43	344996	49.525	ug/l #	20
71) Bromoform	12.842	173	2198	0.397	ug/l #	1
74) N-amyl acetate	12.489	43	6511	0.527	ug/l #	57
76) 1,2,3-Trichloropropane	12.854	75	219238	27.452	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	219238	61.777	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.377	180	1115	0.252	ug/l	91
95) Naphthalene	15.589	128	6093	0.367	ug/l	96
96) 1,2,3-Trichlorobenzene	15.765	180	1437	0.339	ug/l #	21

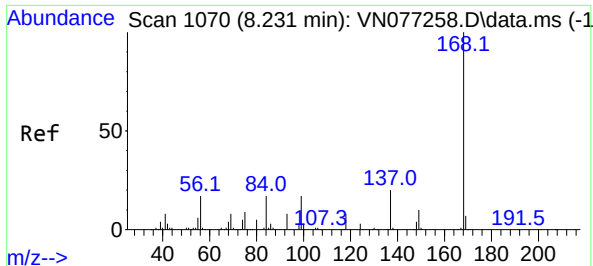
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
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Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

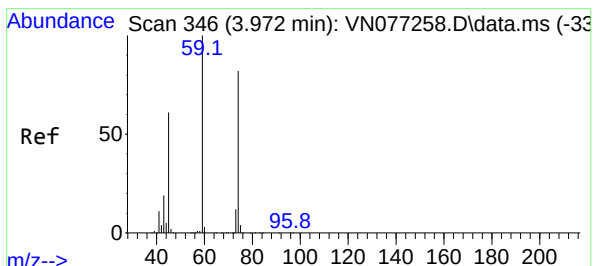
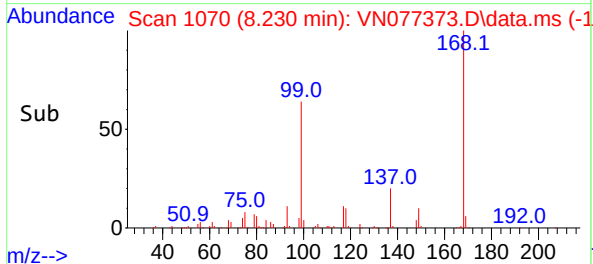
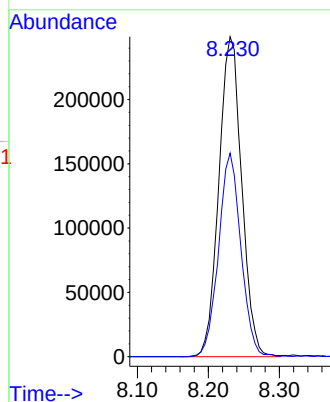
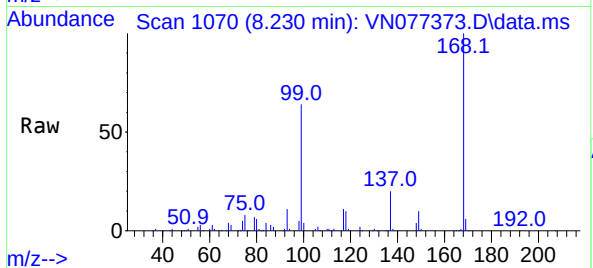




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

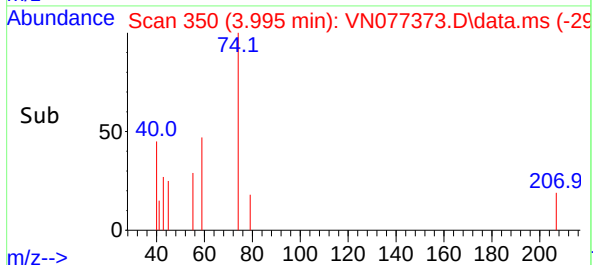
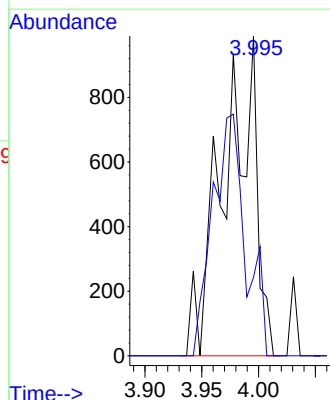
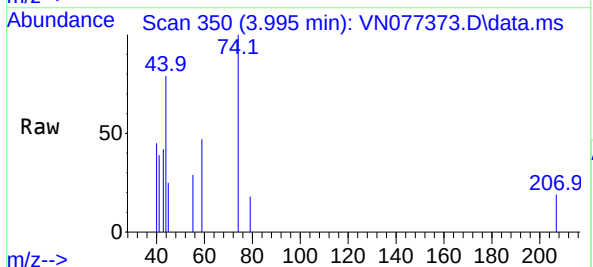
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#01

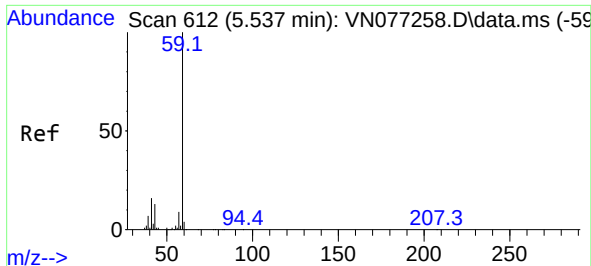
Tgt Ion:168 Resp: 554773
Ion Ratio Lower Upper
168 100
99 63.6 50.6 75.8



#8
Diethyl Ether
Concen: 0.455 ug/l
RT: 3.995 min Scan# 350
Delta R.T. 0.023 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 74 Resp: 1967
Ion Ratio Lower Upper
74 100
45 76.2 37.8 113.4

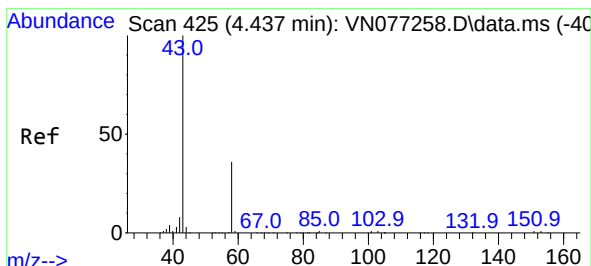
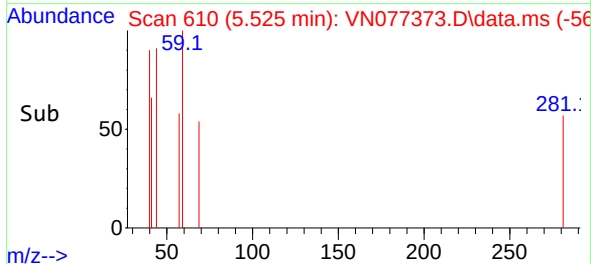
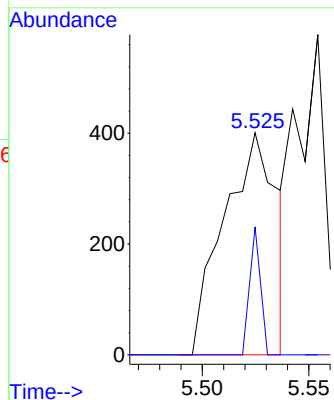
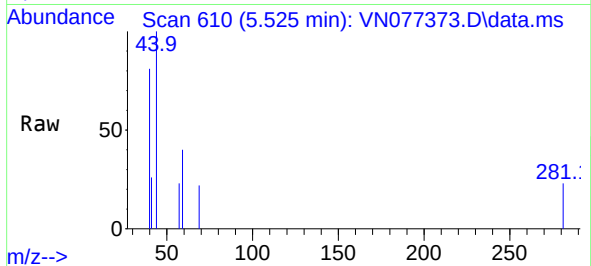




#11
Tert butyl alcohol
Concen: 0.447 ug/l
RT: 5.525 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

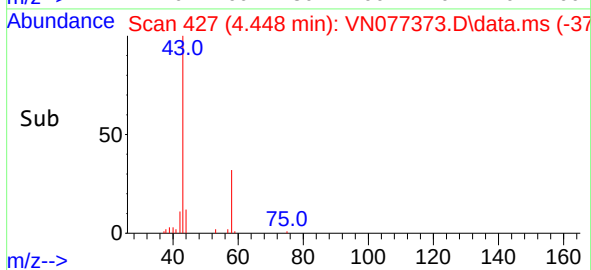
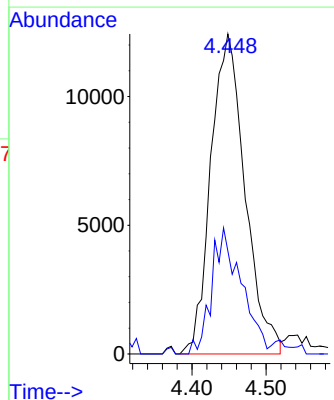
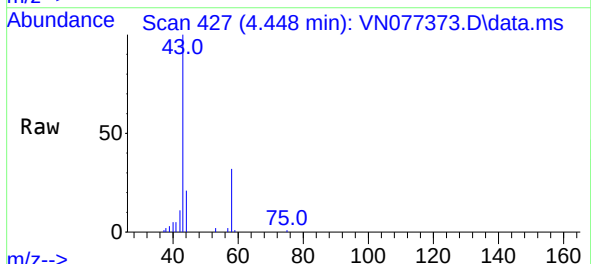
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#01

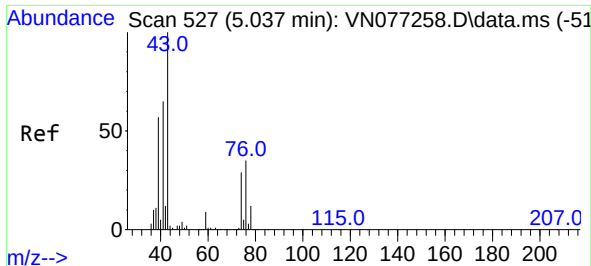
Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 11.9 8.3 12.5



#16
Acetone
Concen: 14.234 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 43 Resp: 39793
Ion Ratio Lower Upper
43 100
58 32.1 29.0 43.6

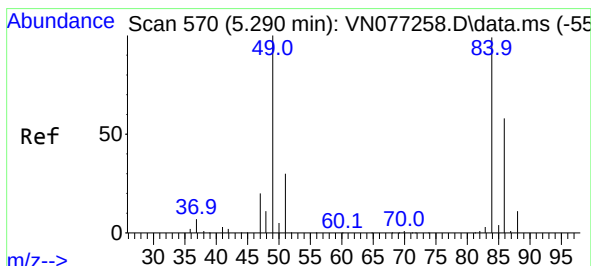
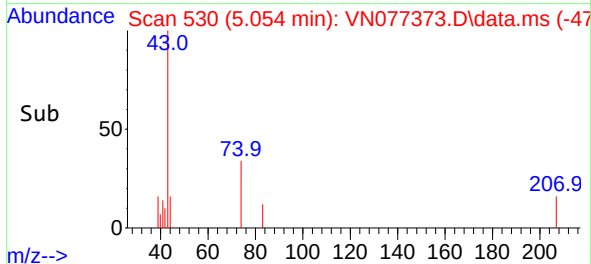
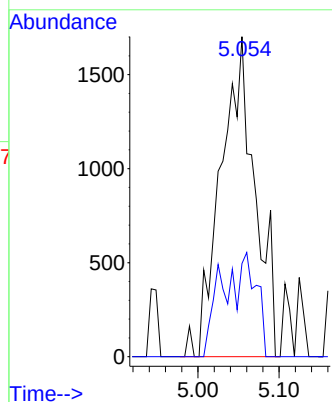
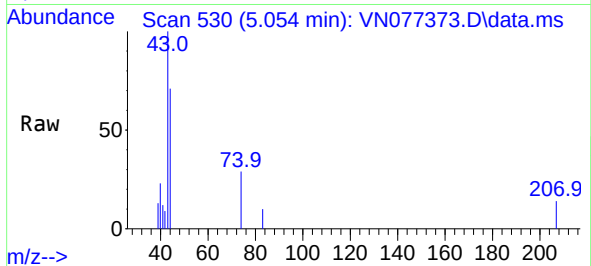




#18
Methyl Acetate
Concen: 0.465 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

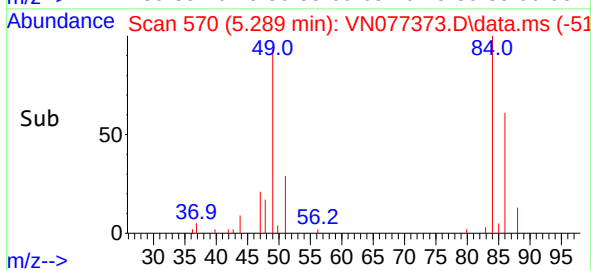
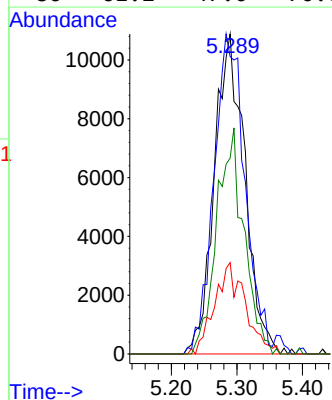
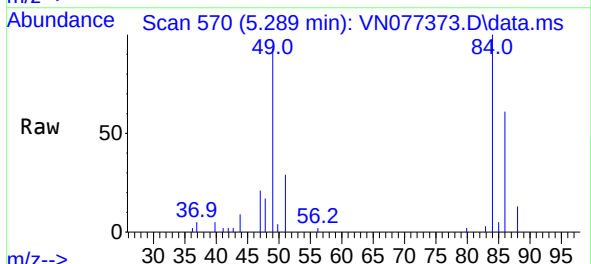
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#01

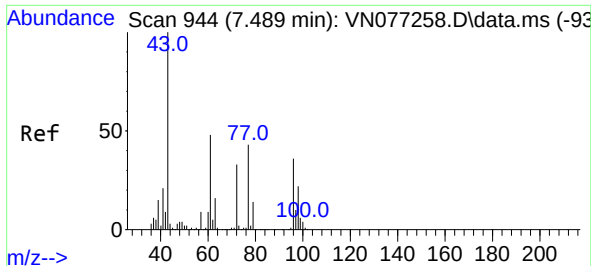
Tgt Ion: 43 Resp: 4948
Ion Ratio Lower Upper
43 100
74 15.4 23.4 35.2#



#20
Methylene Chloride
Concen: 4.461 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 84 Resp: 35221
Ion Ratio Lower Upper
84 100
49 92.9 80.6 121.0
51 28.6 24.4 36.6
86 61.2 47.0 70.6





#25

2-Butanone

Concen: 0.840 ug/l

RT: 7.507 min Scan# 94

Delta R.T. 0.018 min

Lab File: VN077373.D

Acq: 19 Apr 2023 14:20

Instrument :

MSVOA_N

ClientSampleId :

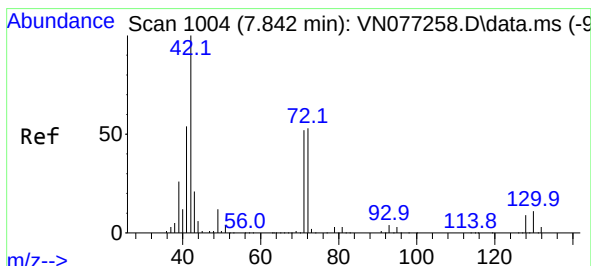
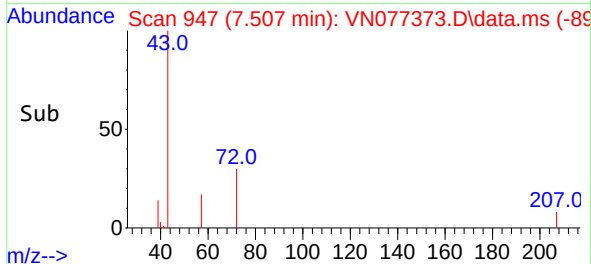
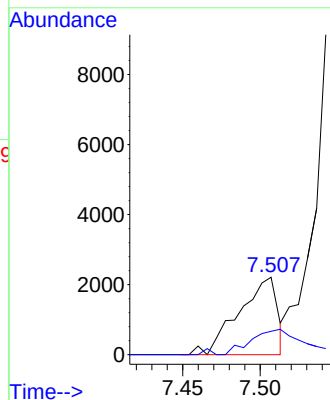
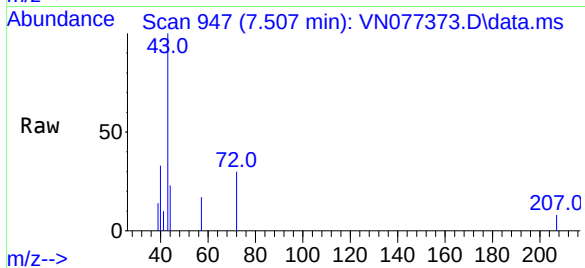
PB152199ZHE#01

Tgt Ion: 43 Resp: 3811

Ion Ratio Lower Upper

43 100

72 30.2 26.6 39.8



#29

Tetrahydrofuran

Concen: 0.533 ug/l

RT: 7.860 min Scan# 1007

Delta R.T. 0.018 min

Lab File: VN077373.D

Acq: 19 Apr 2023 14:20

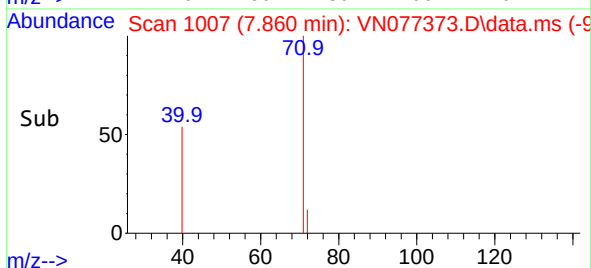
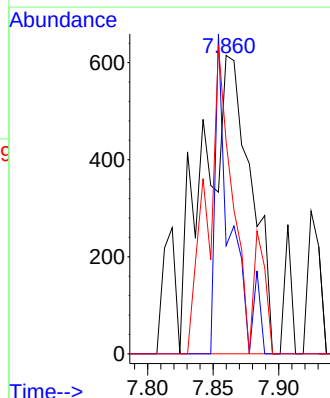
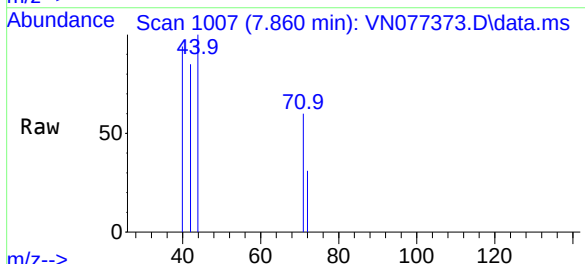
Tgt Ion: 42 Resp: 1555

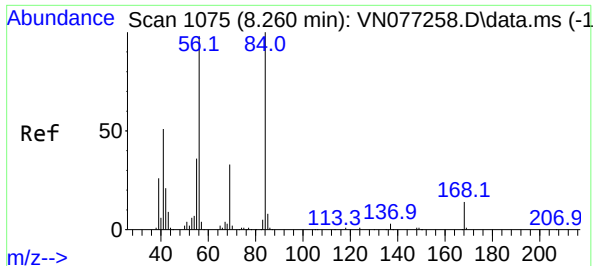
Ion Ratio Lower Upper

42 100

72 34.3 44.6 66.8#

71 52.8 41.3 61.9

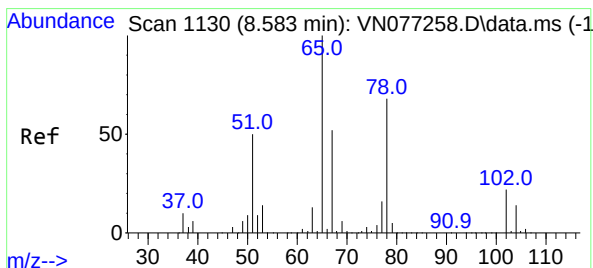
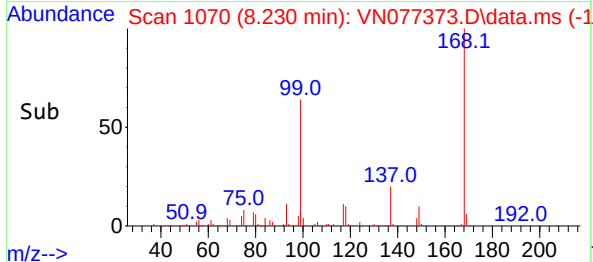
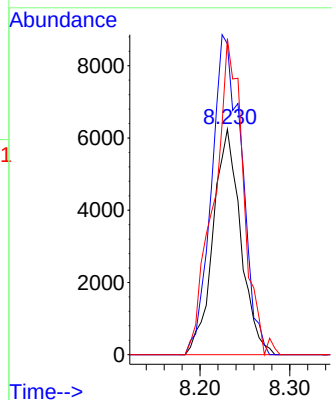
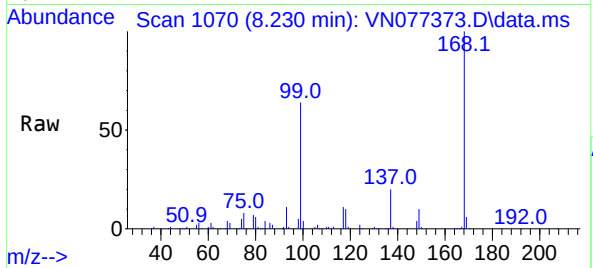




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

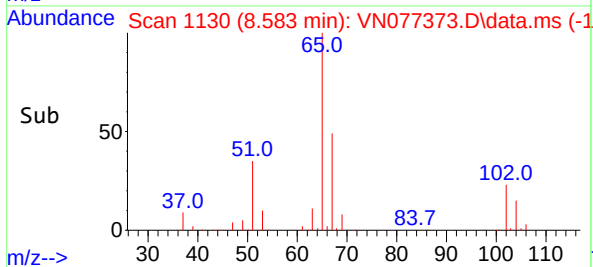
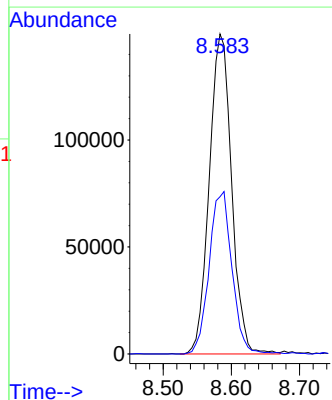
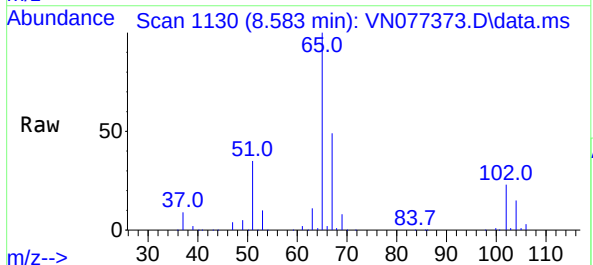
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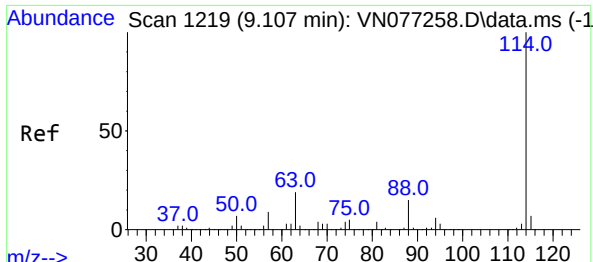
Tgt Ion: 56 Resp: 13366
Ion Ratio Lower Upper
56 100
69 137.8 26.6 40.0#
84 140.1 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 44.993 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 65 Resp: 341150
Ion Ratio Lower Upper
65 100
67 51.9 0.0 108.8

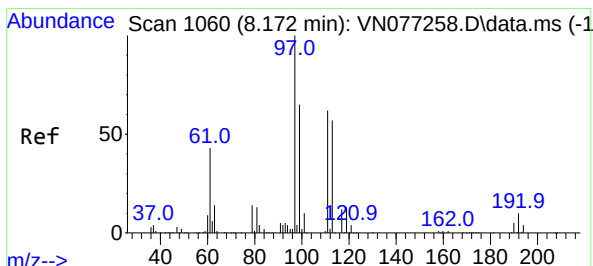
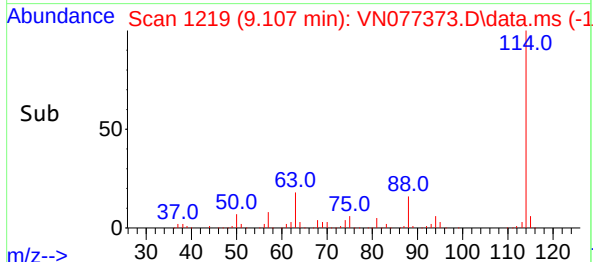
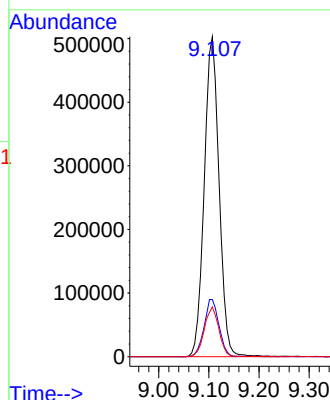
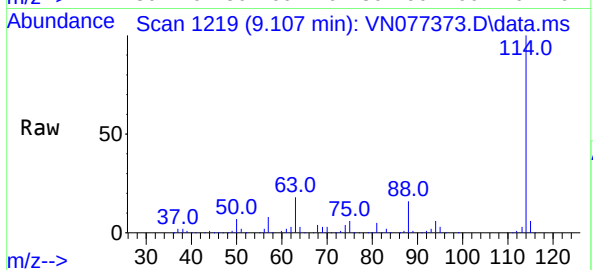




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

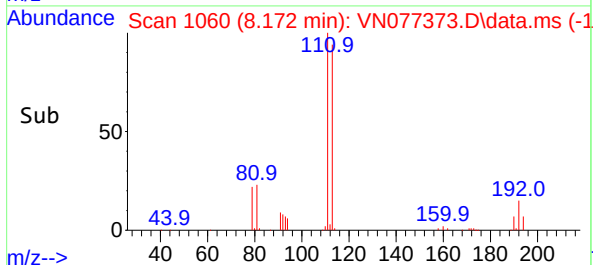
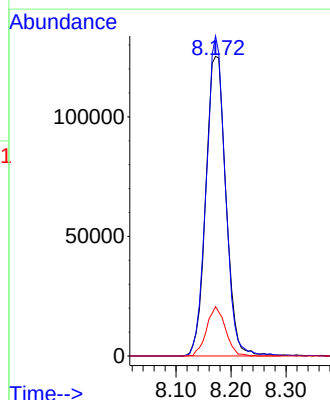
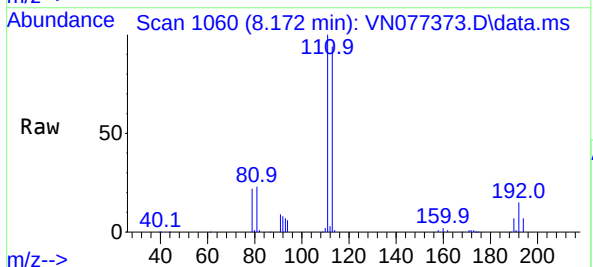
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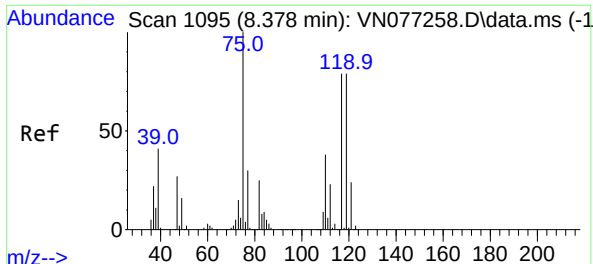
Tgt Ion:114 Resp: 1034881
Ion Ratio Lower Upper
114 100
63 17.8 0.0 37.8
88 15.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.987 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion:113 Resp: 317913
Ion Ratio Lower Upper
113 100
111 101.3 83.4 125.0
192 15.4 13.5 20.3

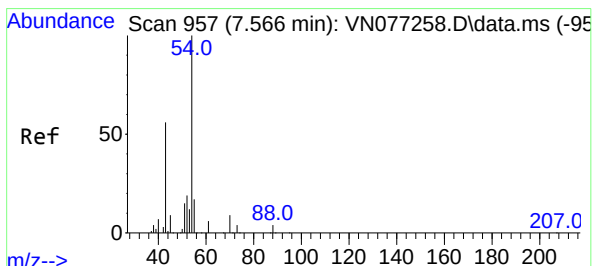
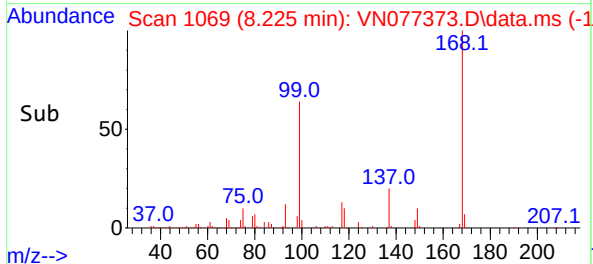
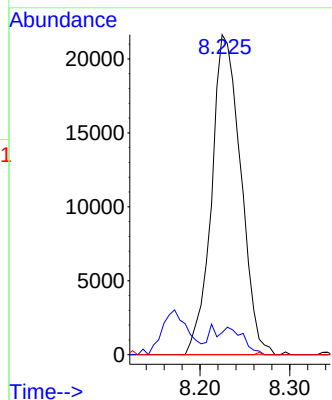
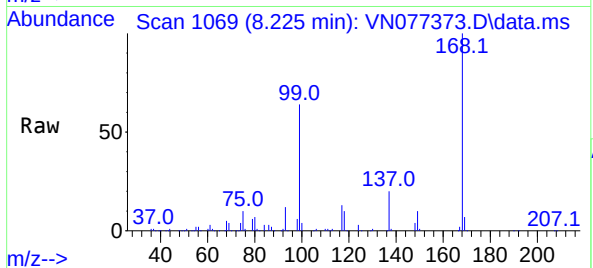




#36
1,1-Dichloropropene
Concen: 4.990 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

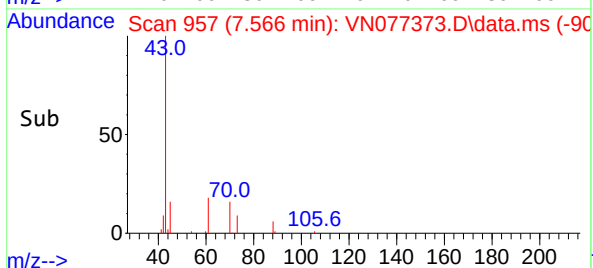
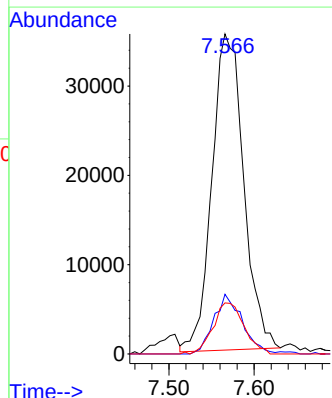
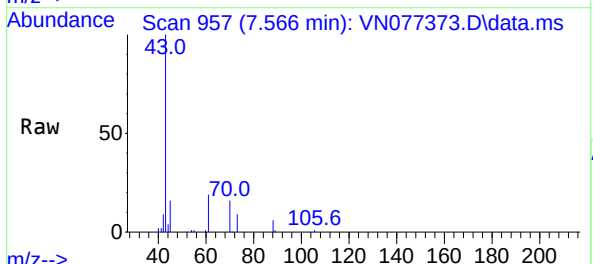
Instrument :
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PB152199ZHE#01

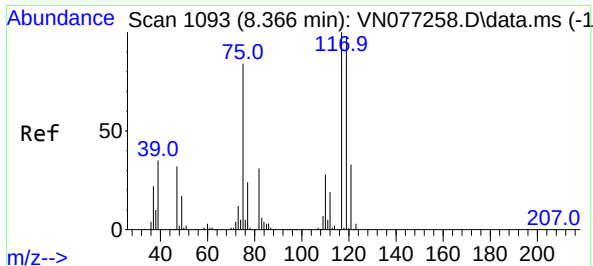
Tgt Ion: 75 Resp: 48893
Ion Ratio Lower Upper
75 100
110 1.4 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.449 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 43 Resp: 91601
Ion Ratio Lower Upper
43 100
61 17.0 12.2 18.2
70 15.9 10.0 15.0#

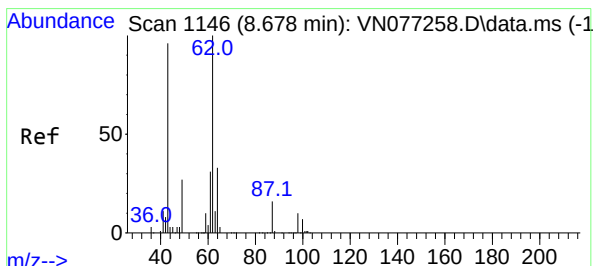
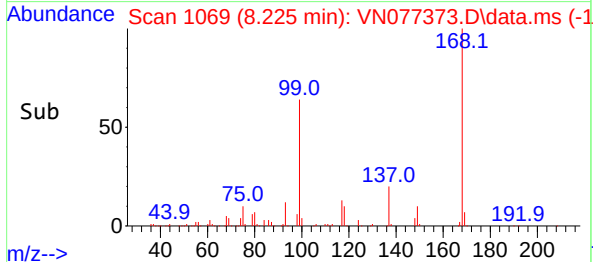
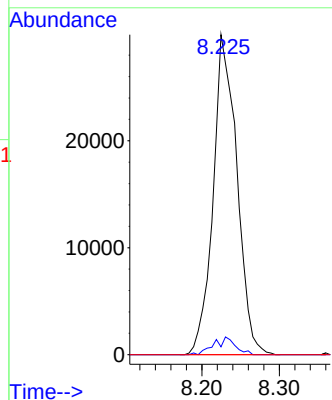
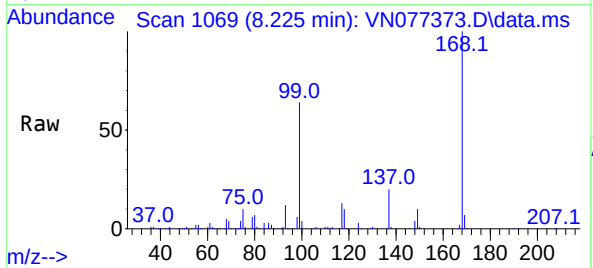




#38
Carbon Tetrachloride
Concen: 6.359 ug/l
RT: 8.225 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

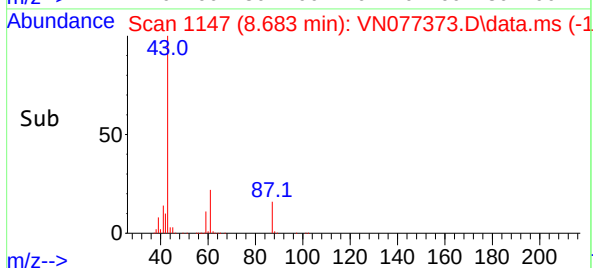
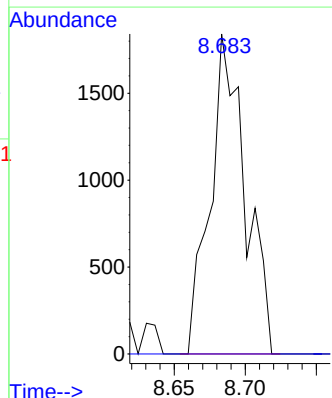
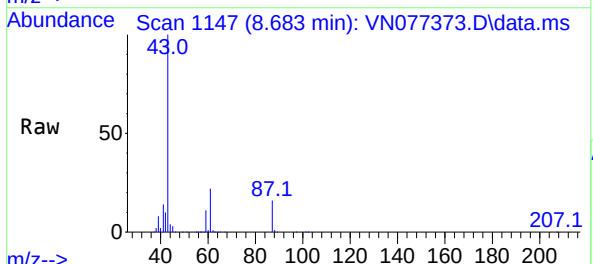
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#01

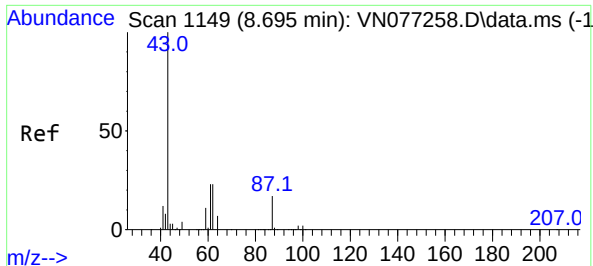
Tgt Ion:117 Resp: 63832
Ion Ratio Lower Upper
117 100
119 2.4 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.336 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 62 Resp: 3159
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

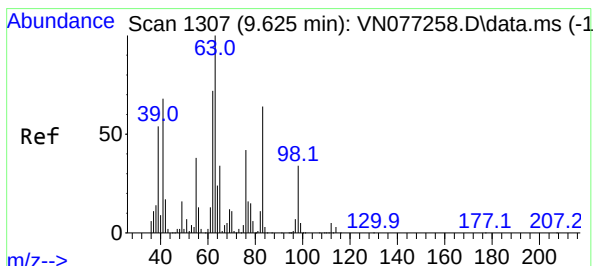
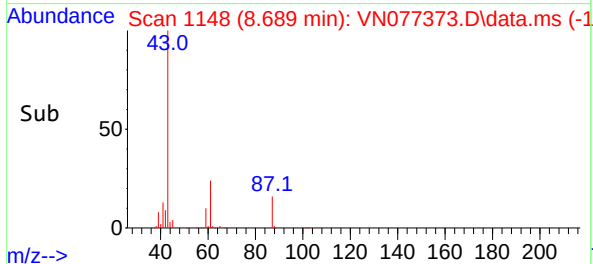
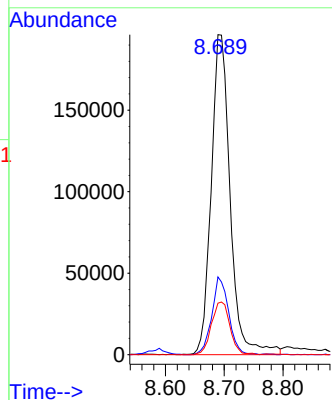
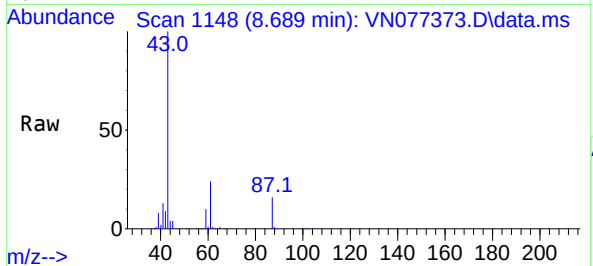




#43
Isopropyl Acetate
Concen: 27.173 ug/l
RT: 8.689 min Scan# 1149
Delta R.T. -0.006 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

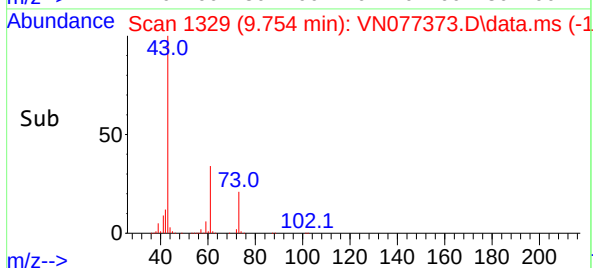
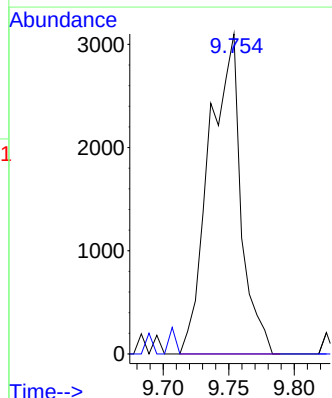
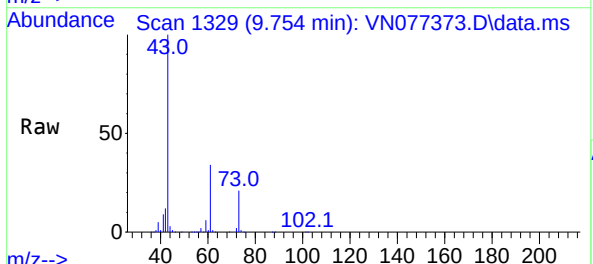
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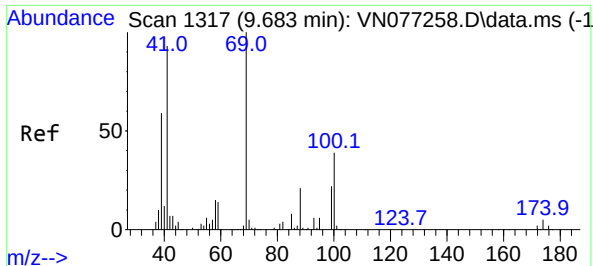
Tgt Ion: 43 Resp: 439570
Ion Ratio Lower Upper
43 100
61 21.5 22.7 34.1#
87 16.1 13.6 20.4



#45
1,2-Dichloropropane
Concen: 0.721 ug/l
RT: 9.754 min Scan# 1329
Delta R.T. 0.129 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 63 Resp: 5235
Ion Ratio Lower Upper
63 100
65 0.0 27.1 40.7#

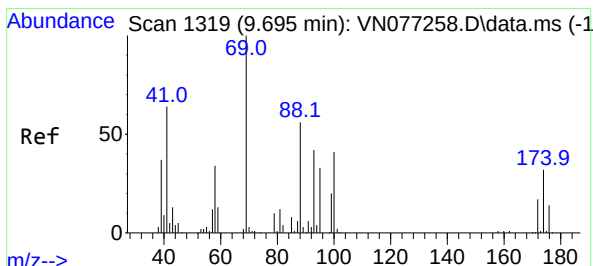
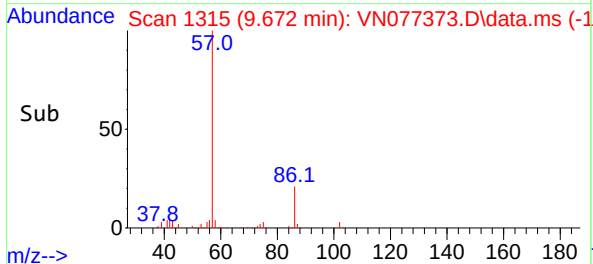
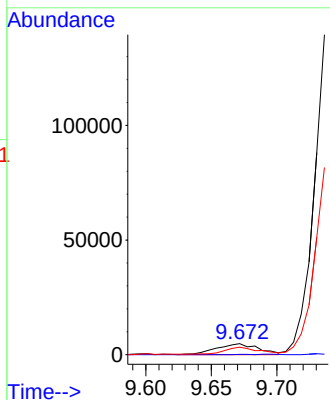
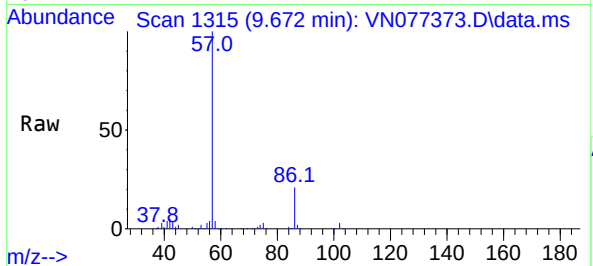




#48
Methyl methacrylate
Concen: 1.548 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

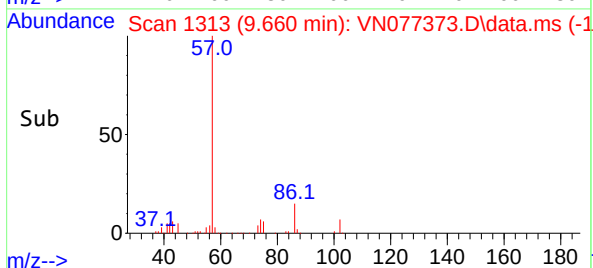
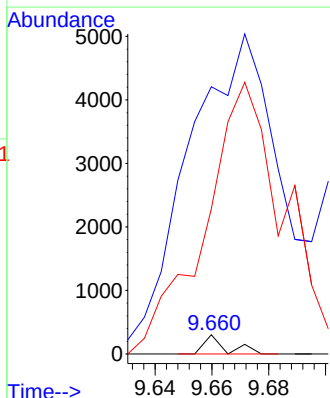
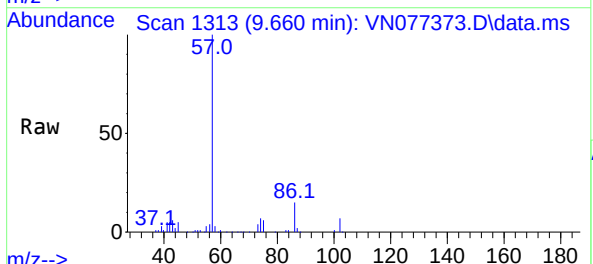
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MSVOA_N
ClientSampleId :
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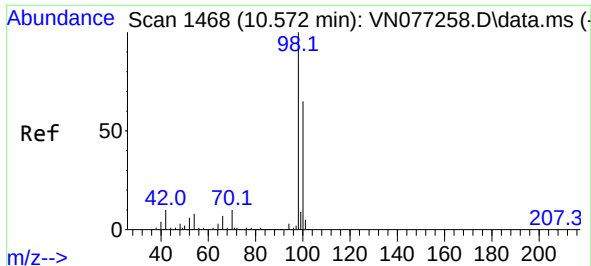
Tgt Ion: 41 Resp: 10683
Ion Ratio Lower Upper
41 100
69 1.1 85.0 127.6#
39 0.0 53.5 80.3#



#49
1,4-Dioxane
Concen: 0.956 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.035 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 88 Resp: 160
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 5156.9 49.8 74.6#

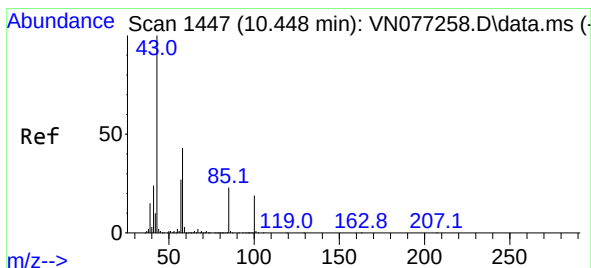
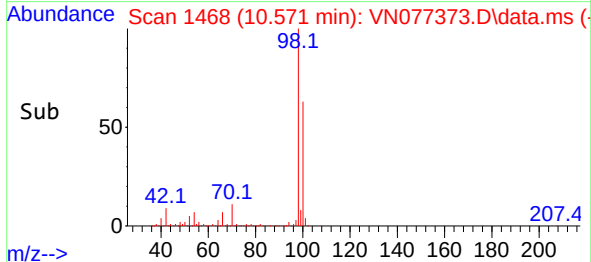
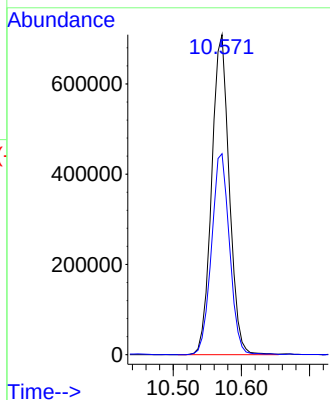
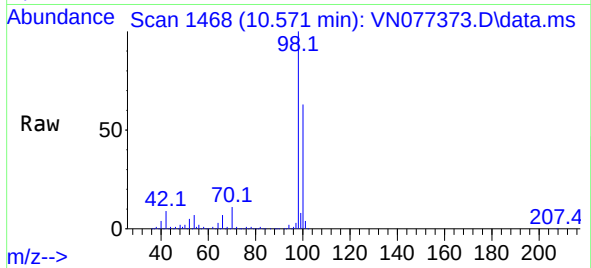




#50
Toluene-d8
Concen: 47.713 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

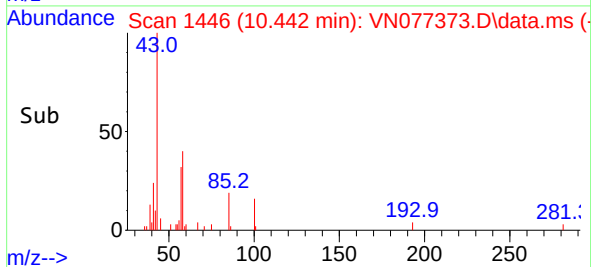
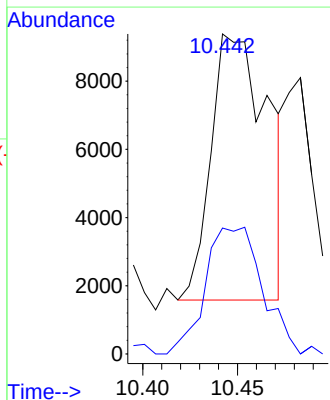
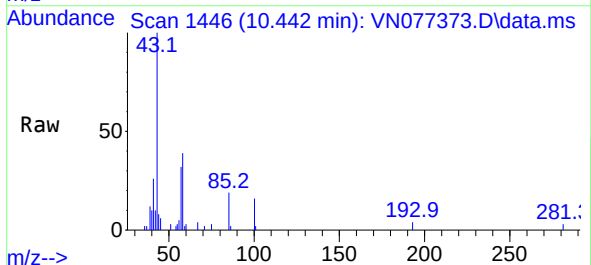
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#01

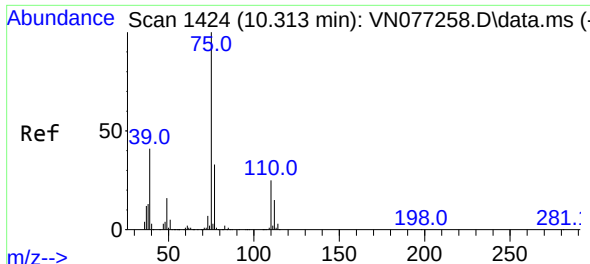
Tgt Ion: 98 Resp: 1272504
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.738 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 43 Resp: 16255
Ion Ratio Lower Upper
43 100
58 48.6 34.6 52.0

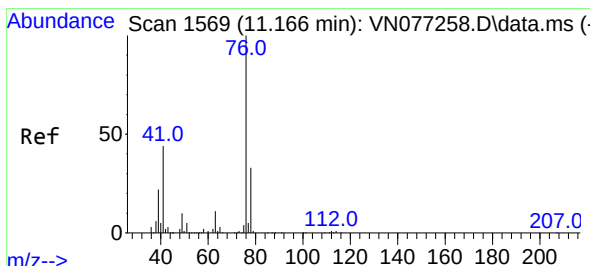
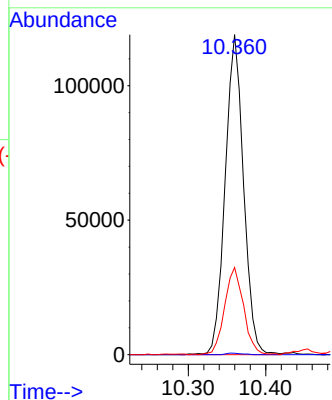
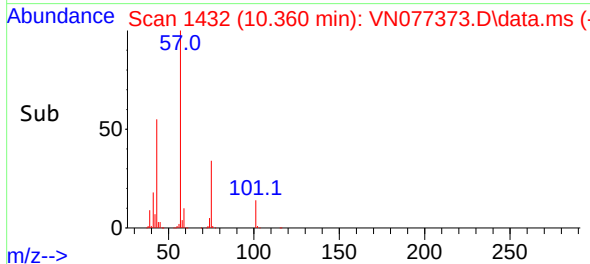
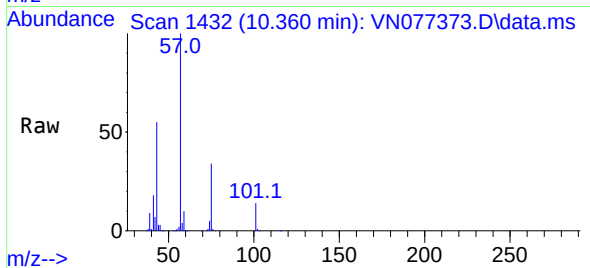




#54
cis-1,3-Dichloropropene
Concen: 15.526 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

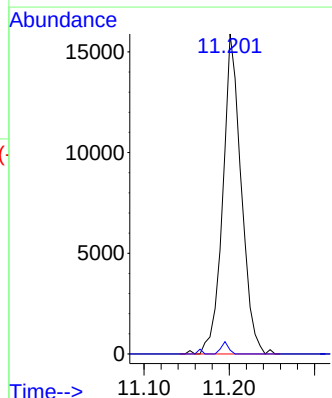
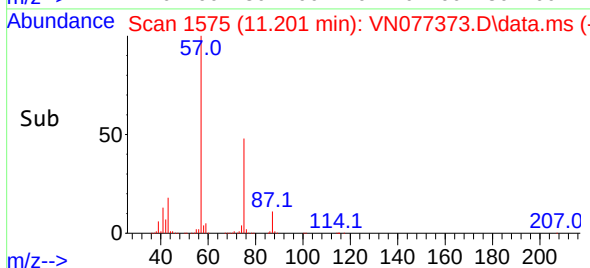
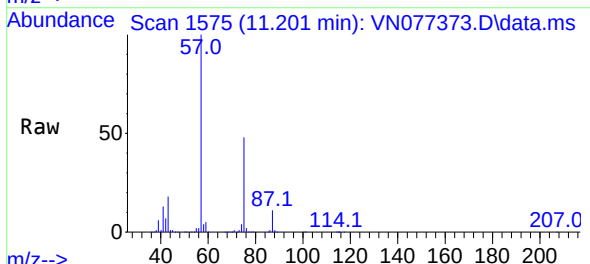
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#01

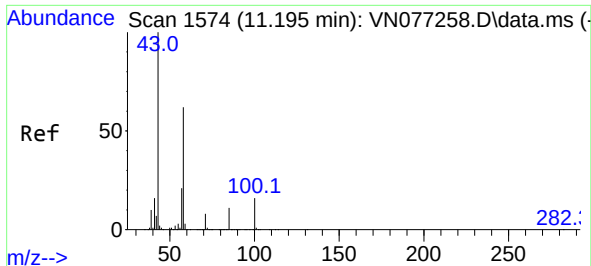
Tgt Ion: 75 Resp: 196300
Ion Ratio Lower Upper
75 100
77 0.5 26.7 40.1#
39 27.3 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.833 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 76 Resp: 23782
Ion Ratio Lower Upper
76 100
78 1.5 26.2 39.4#

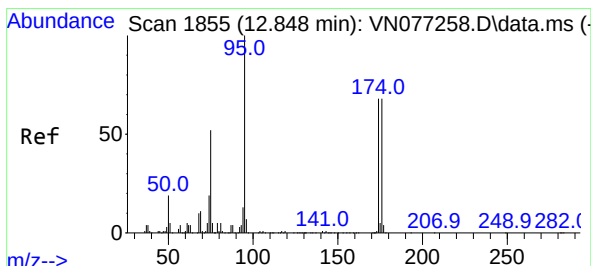
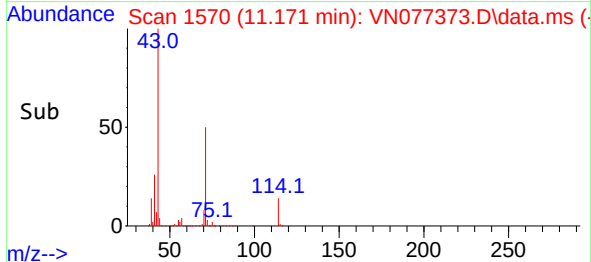
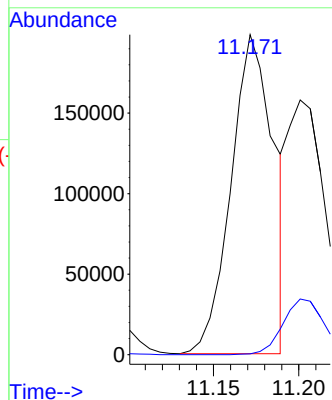
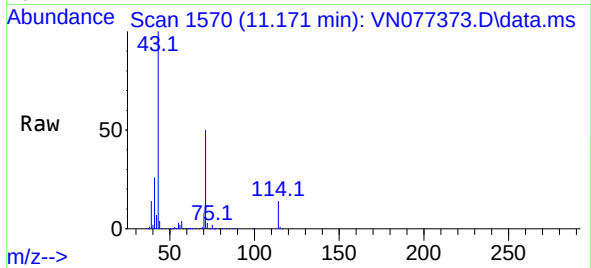




#59
2-Hexanone
Concen: 49.525 ug/l
RT: 11.171 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

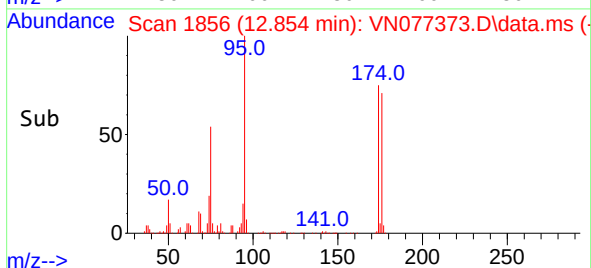
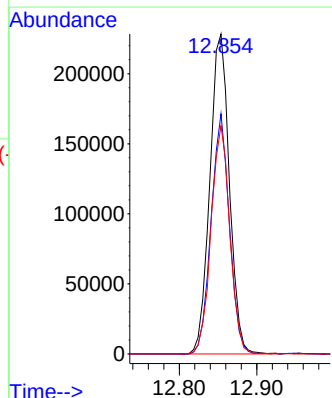
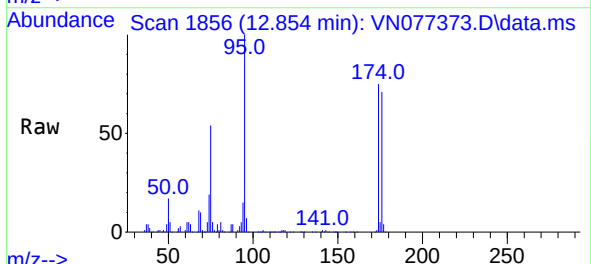
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#01

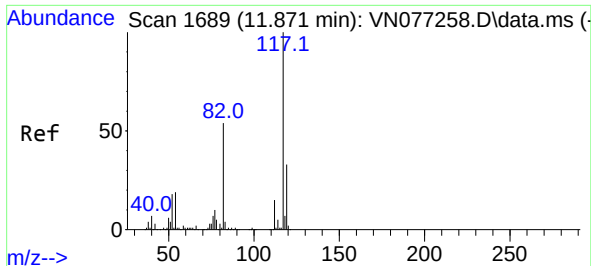
Tgt Ion: 43 Resp: 344996
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 45.018 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 95 Resp: 399318
Ion Ratio Lower Upper
95 100
174 70.5 0.0 146.8
176 68.4 0.0 139.6

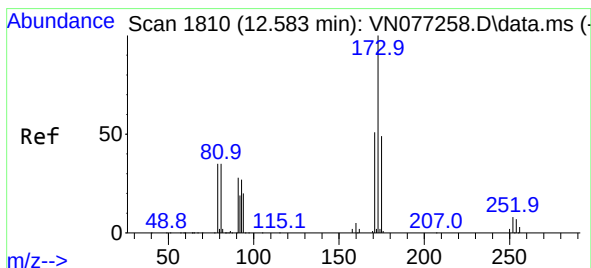
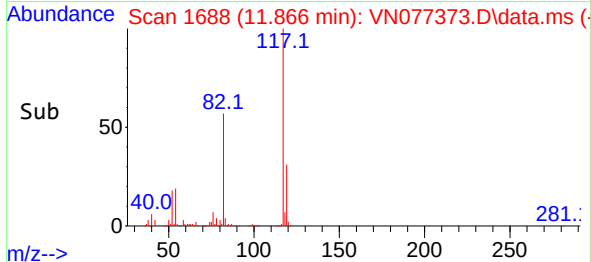
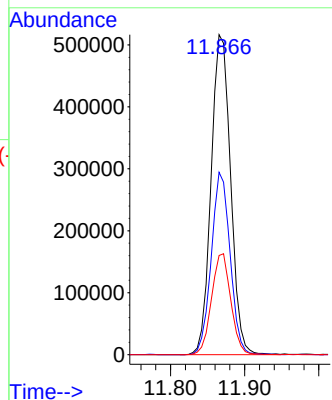
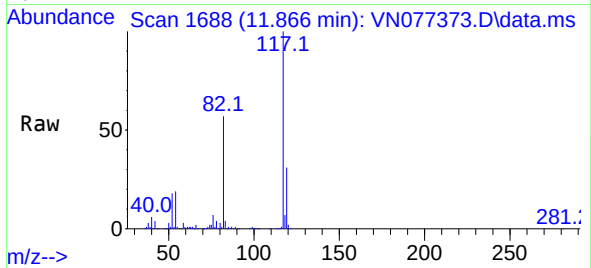




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

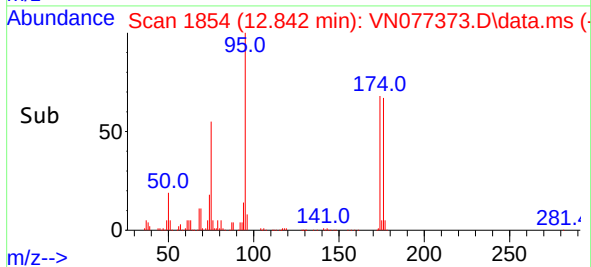
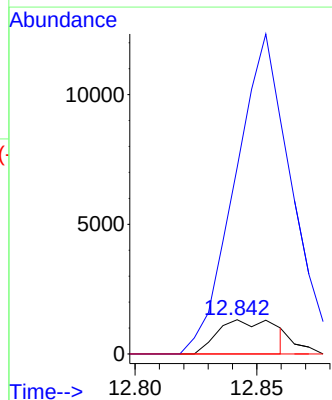
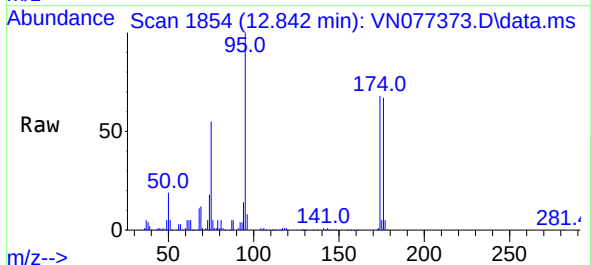
Instrument :
MSVOA_N
ClientSampleId :
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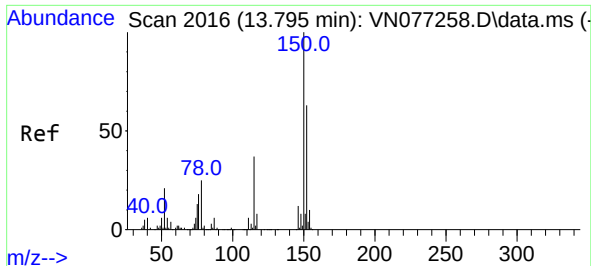
Tgt Ion:117 Resp: 943430
Ion Ratio Lower Upper
117 100
82 57.0 42.9 64.3
119 31.0 26.2 39.4



#71
Bromoform
Concen: 0.397 ug/l
RT: 12.842 min Scan# 1854
Delta R.T. 0.259 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion:173 Resp: 2198
Ion Ratio Lower Upper
173 100
175 728.3 24.1 72.4#
254 0.0 0.1 0.1#

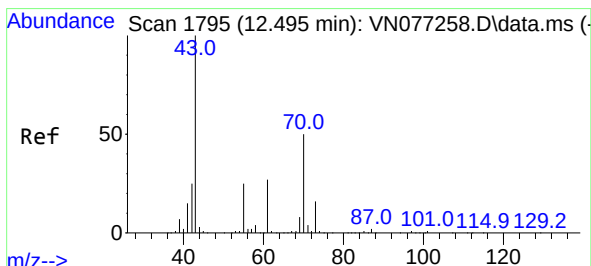
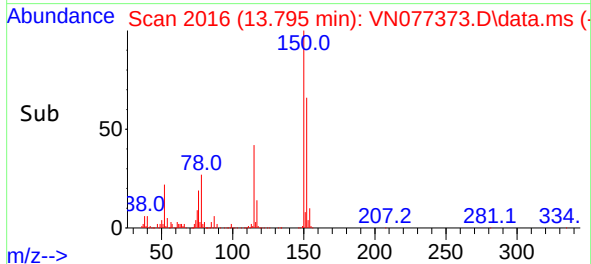
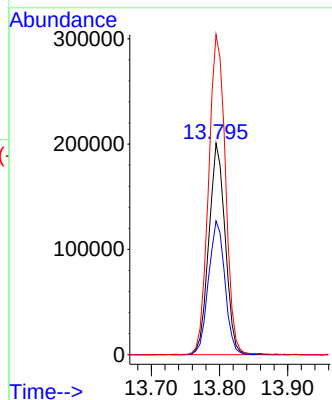
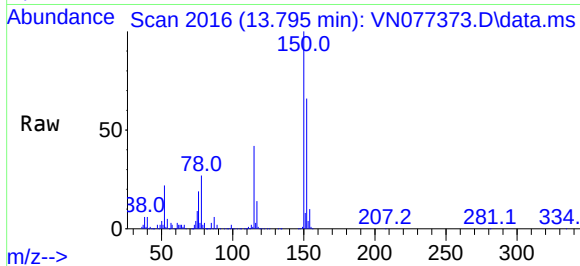




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

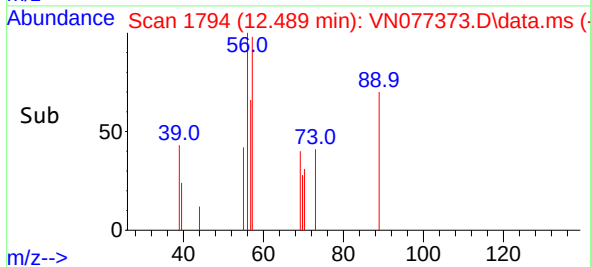
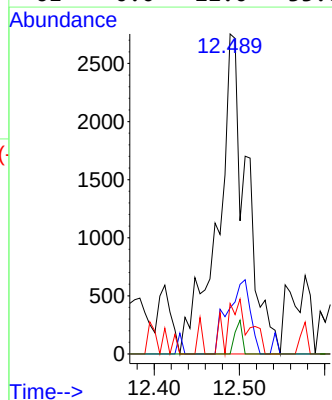
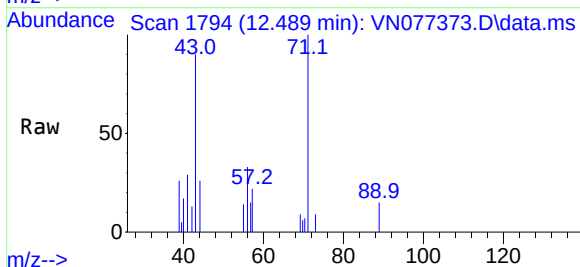
Instrument :
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ClientSampleId :
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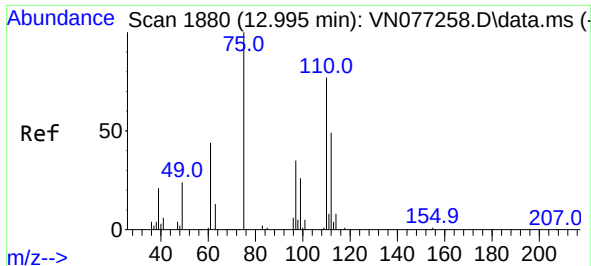
Tgt Ion:152 Resp: 335374
Ion Ratio Lower Upper
152 100
115 63.4 32.1 96.3
150 155.7 0.0 354.8



#74
N-ethyl acetate
Concen: 0.527 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 43 Resp: 6511
Ion Ratio Lower Upper
43 100
70 18.0 41.0 61.6#
55 13.2 19.3 28.9#
61 0.0 22.0 33.0#

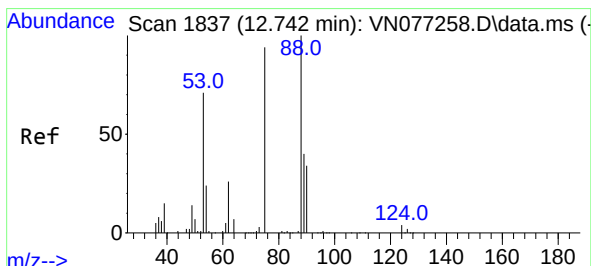
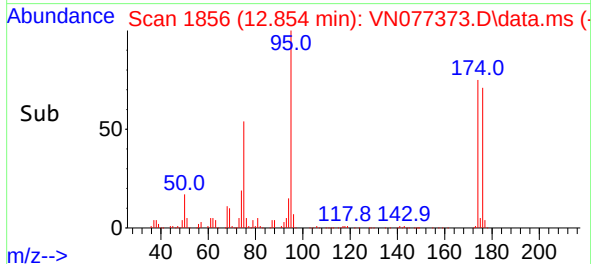
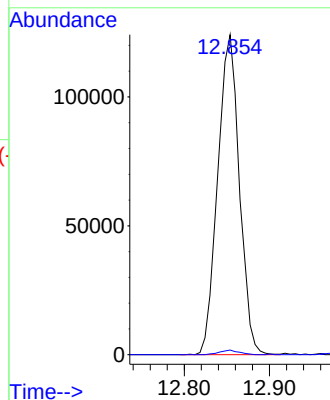
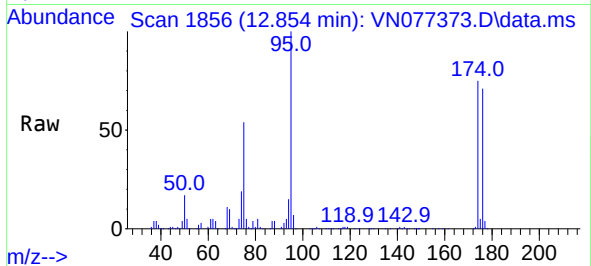




#76
1,2,3-Trichloropropane
Concen: 27.452 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

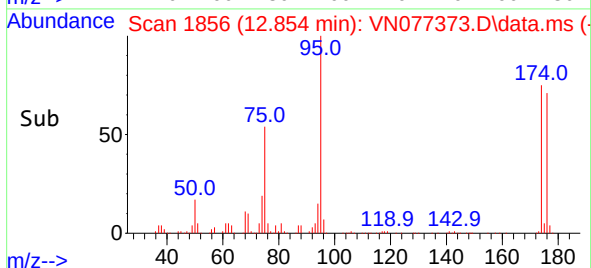
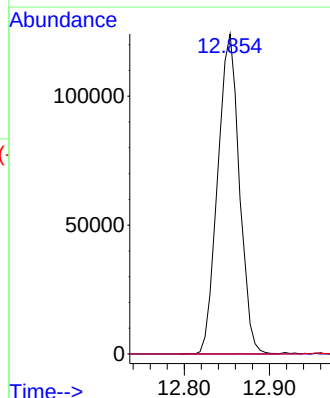
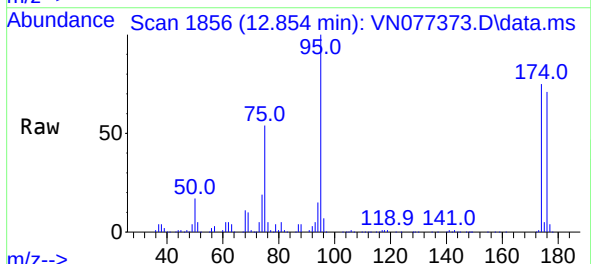
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#01

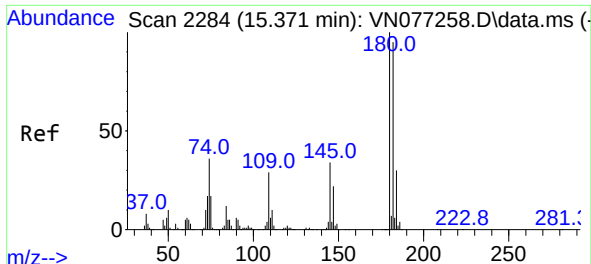
Tgt Ion: 75 Resp: 219238
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.777 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077373.D
Acq: 19 Apr 2023 14:20

Tgt Ion: 75 Resp: 219238
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.252 ug/l

RT: 15.377 min Scan# 2115

Delta R.T. 0.006 min

Lab File: VN077373.D

Acq: 19 Apr 2023 14:20

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#01

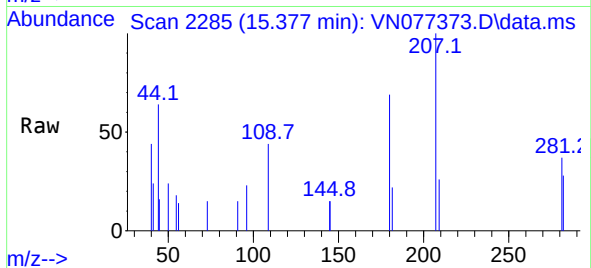
Tgt Ion:180 Resp: 1115

Ion Ratio Lower Upper

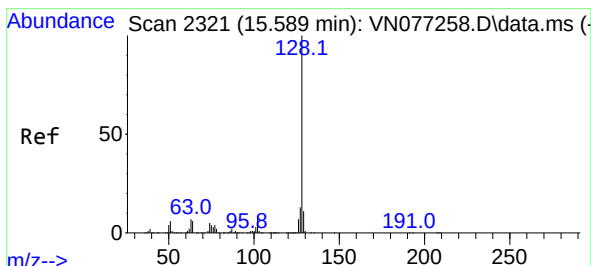
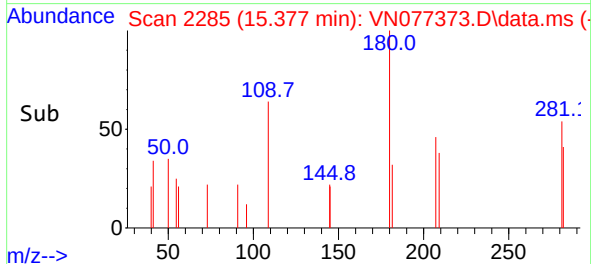
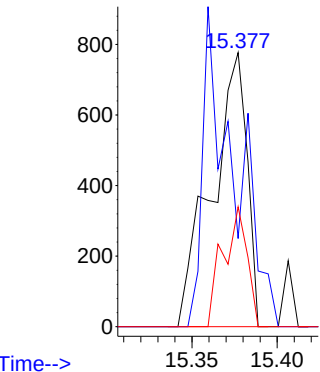
180 100

182 103.0 46.7 140.0

145 30.0 16.6 49.8



Abundance



#95

Naphthalene

Concen: 0.367 ug/l

RT: 15.589 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VN077373.D

Acq: 19 Apr 2023 14:20

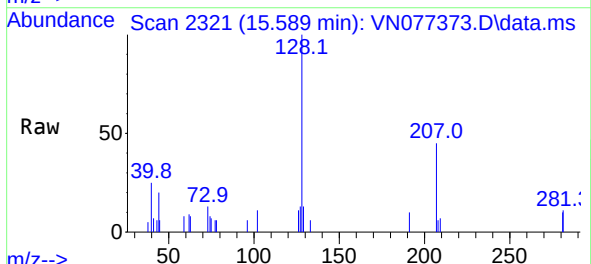
Tgt Ion:128 Resp: 6093

Ion Ratio Lower Upper

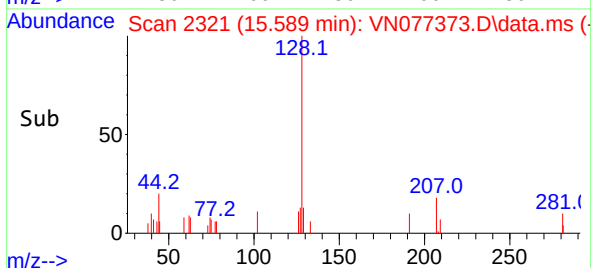
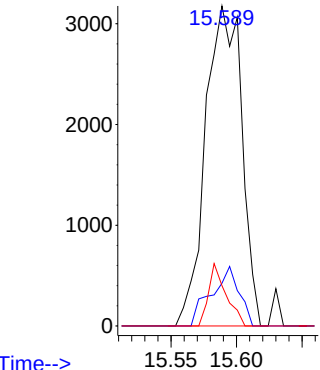
128 100

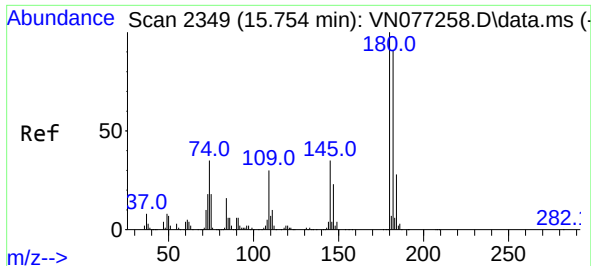
127 14.4 10.2 15.4

129 9.4 8.9 13.3



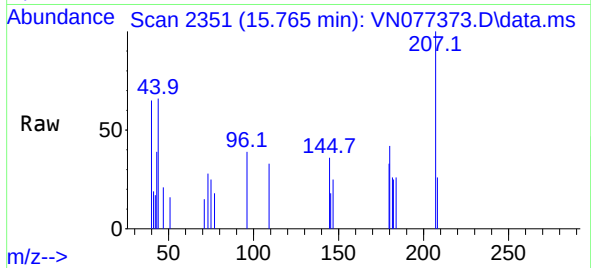
Abundance





#96
 1,2,3-Trichlorobenzene
 Concen: 0.339 ug/l
 RT: 15.765 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VN077373.D
 Acq: 19 Apr 2023 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#01



Tgt Ion:	180	Resp:	1437
Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.9	140.8#
145	18.7	17.6	52.8

