

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041123\
 Data File : VN077301.D
 Acq On : 11 Apr 2023 13:47
 Operator : JC\MD
 Sample : 02262-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-1-040723

Quant Time: Apr 12 04:41:22 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

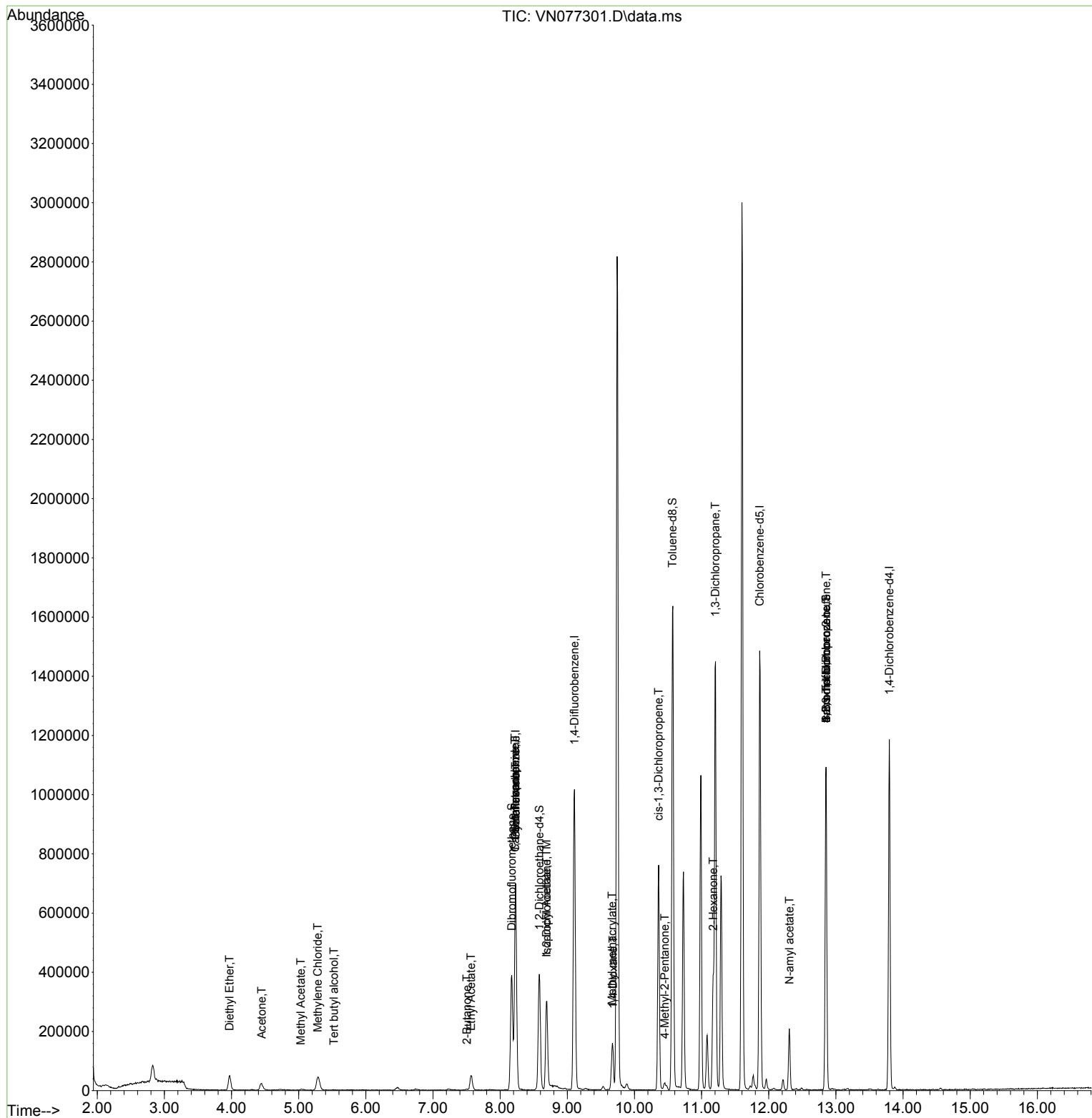
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	489472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	935170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	884307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	312645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	311516	46.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.140%		
35) Dibromofluoromethane	8.172	113	278931	46.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	10.566	98	1193602	49.526	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.060%		
62) 4-Bromofluorobenzene	12.854	95	392134	48.922	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.840%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.972	74	33162	8.695	ug/l	98
11) Tert butyl alcohol	5.525	59	816	0.598	ug/l #	72
16) Acetone	4.449	43	43015	17.439	ug/l	91
18) Methyl Acetate	5.031	43	7325	0.780	ug/l #	76
20) Methylene Chloride	5.284	84	40877	5.868	ug/l	93
25) 2-Butanone	7.507	43	4099	1.024	ug/l #	69
31) Cyclohexane	8.231	56	13511	1.300	ug/l #	21
36) 1,1-Dichloropropene	8.225	75	43265	4.886	ug/l #	49
37) Ethyl Acetate	7.566	43	75224	9.496	ug/l	97
38) Carbon Tetrachloride	8.225	117	53780	5.928	ug/l #	14
42) 1,2-Dichloroethane	8.689	62	2265	0.266	ug/l	80
43) Isopropyl Acetate	8.689	43	348552	23.844	ug/l #	92
48) Methyl methacrylate	9.666	41	9284	1.489	ug/l #	35
49) 1,4-Dioxane	9.683	88	64	0.423	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	16361	1.936	ug/l	90
54) cis-1,3-Dichloropropene	10.360	75	154145	13.492	ug/l #	59
57) 1,3-Dichloropropane	11.207	76	17447	1.488	ug/l #	42
59) 2-Hexanone	11.172	43	285536	45.360	ug/l #	20
71) Bromoform	12.854	173	1801	0.347	ug/l #	1
74) N-amyl acetate	12.307	43	60396	5.248	ug/l #	49
76) 1,2,3-Trichloropropane	12.854	75	205267	27.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	205267	62.045	ug/l #	13

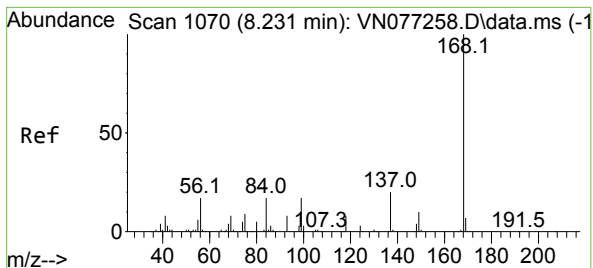
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077301.D

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Instrument :

MSVOA_N

ClientSampleId :

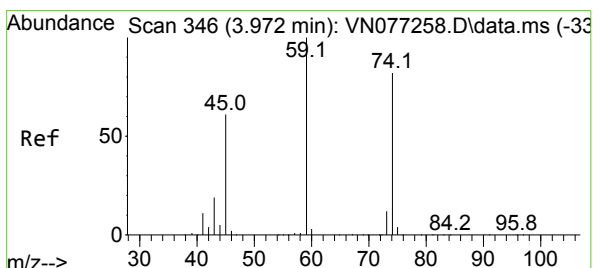
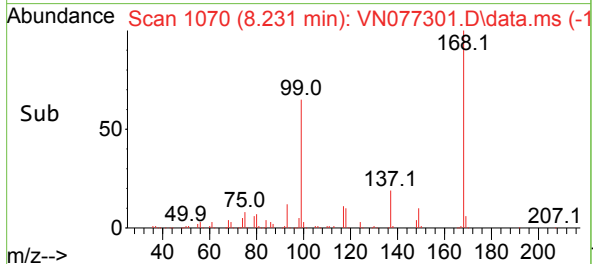
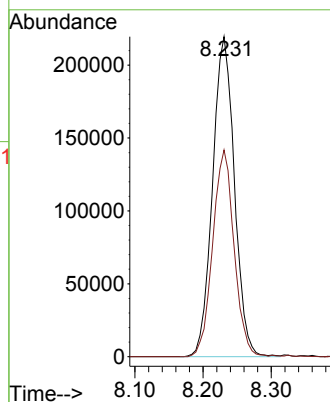
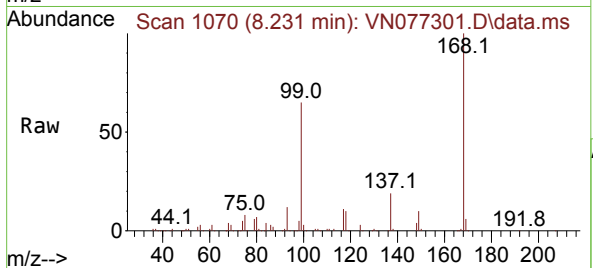
JPP-1-040723

Tgt Ion:168 Resp: 489472

Ion Ratio Lower Upper

168 100

99 64.6 50.6 75.8



#8

Diethyl Ether

Concen: 8.695 ug/l

RT: 3.972 min Scan# 346

Delta R.T. 0.000 min

Lab File: VN077301.D

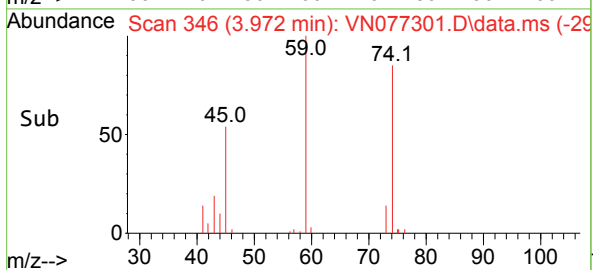
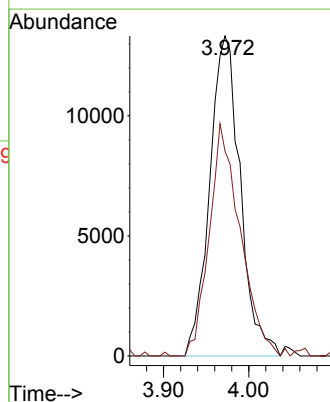
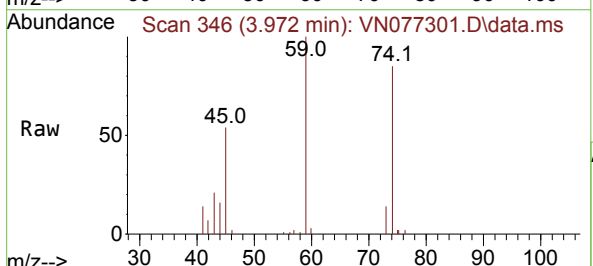
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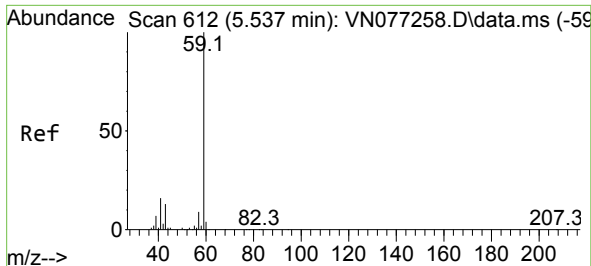
Tgt Ion: 74 Resp: 33162

Ion Ratio Lower Upper

74 100

45 73.5 37.8 113.4

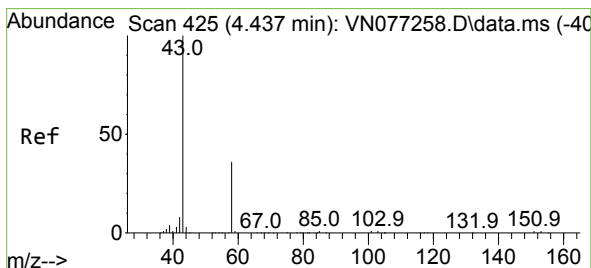
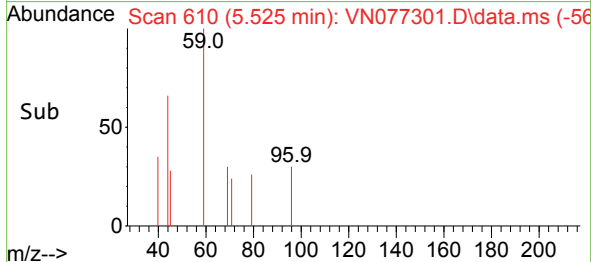
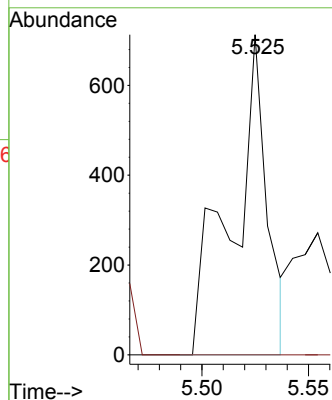
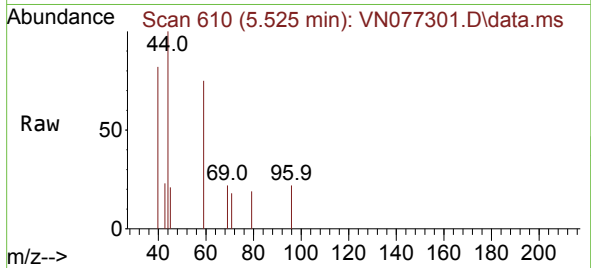




#11
Tert butyl alcohol
Concen: 0.598 ug/l
RT: 5.525 min Scan# 612
Delta R.T. -0.012 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

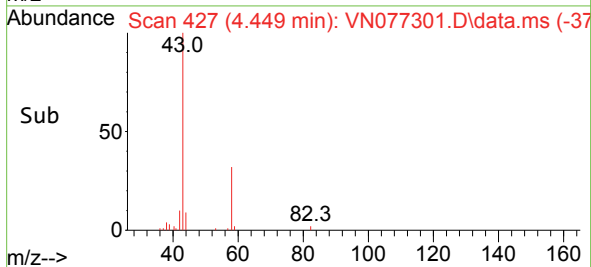
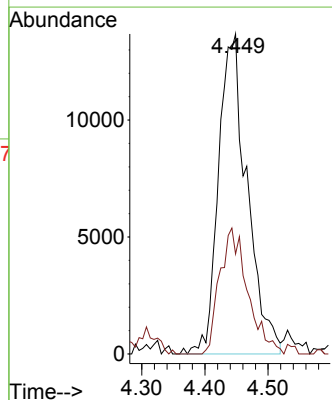
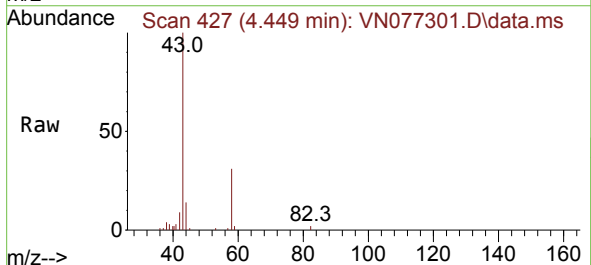
Instrument :
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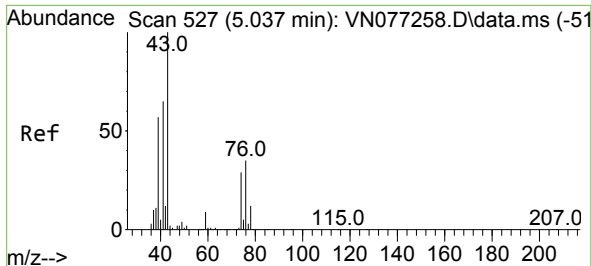
Tgt Ion: 59 Resp: 816
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 17.439 ug/l
RT: 4.449 min Scan# 427
Delta R.T. 0.012 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 43 Resp: 43015
Ion Ratio Lower Upper
43 100
58 31.3 29.0 43.6

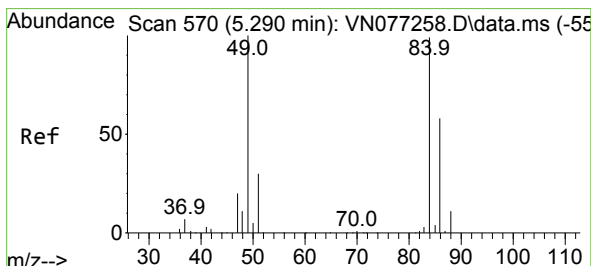
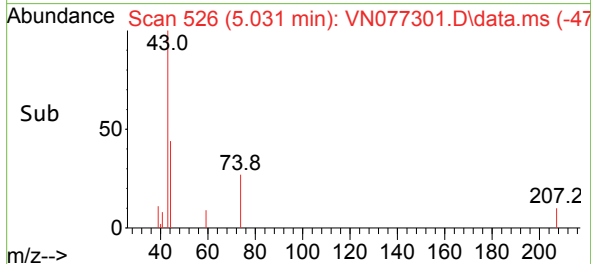
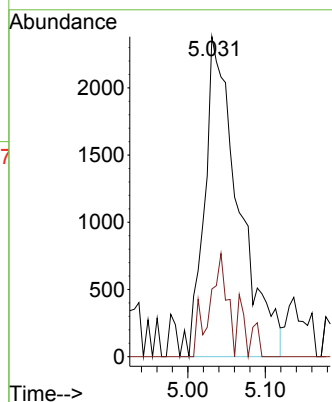
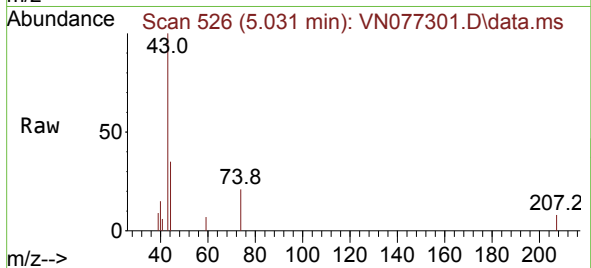




#18
Methyl Acetate
Concen: 0.780 ug/l
RT: 5.031 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

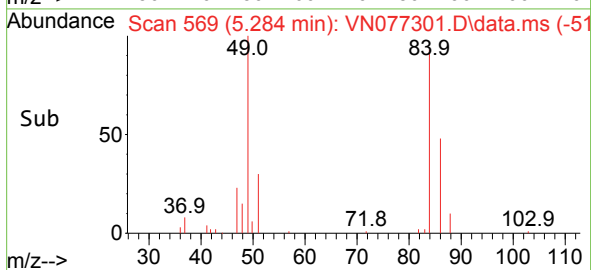
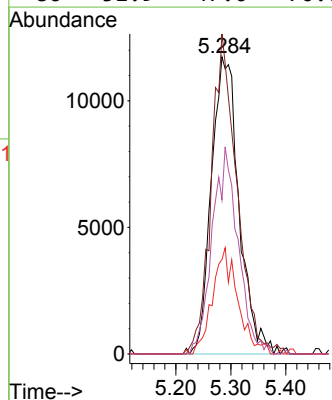
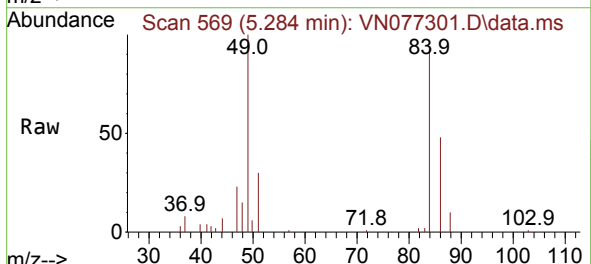
Instrument :
MSVOA_N
ClientSampleId :
JPP-1-040723

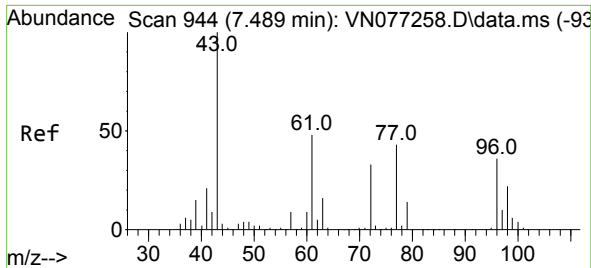
Tgt Ion: 43 Resp: 7325
Ion Ratio Lower Upper
43 100
74 16.7 23.4 35.2#



#20
Methylene Chloride
Concen: 5.868 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 84 Resp: 40877
Ion Ratio Lower Upper
84 100
49 107.7 80.6 121.0
51 31.8 24.4 36.6
86 51.9 47.0 70.6

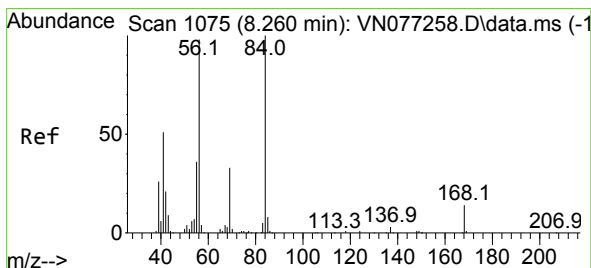
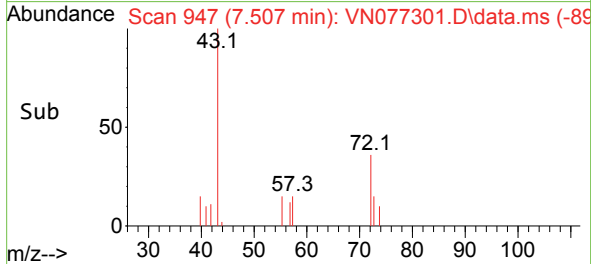
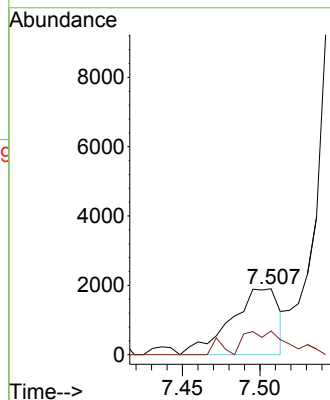
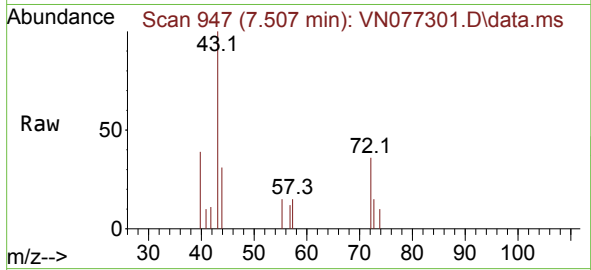




#25
2-Butanone
Concen: 1.024 ug/l
RT: 7.507 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

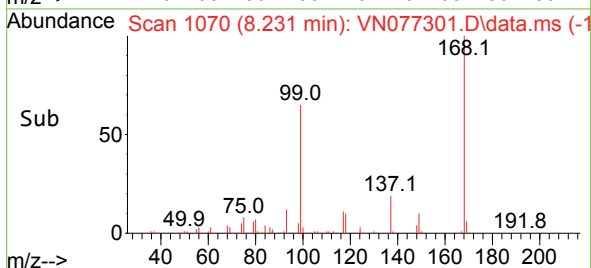
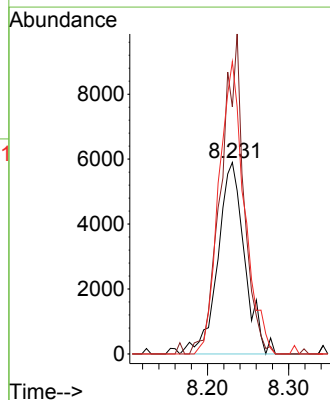
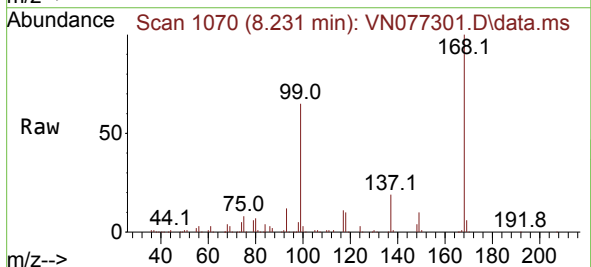
Instrument :
MSVOA_N
ClientSampleId :
JPP-1-040723

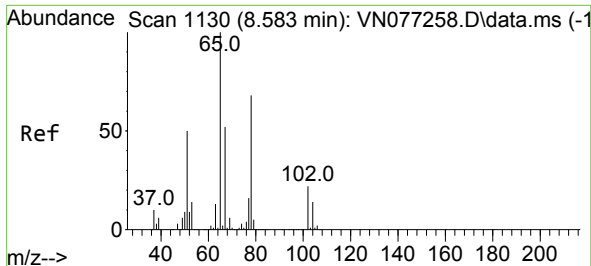
Tgt Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
72 50.7 26.6 39.8#



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 56 Resp: 13511
Ion Ratio Lower Upper
56 100
69 129.0 26.6 40.0#
84 152.7 81.8 122.8#





#33

1,2-Dichloroethane-d4

Concen: 46.566 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077301.D

Acq: 11 Apr 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

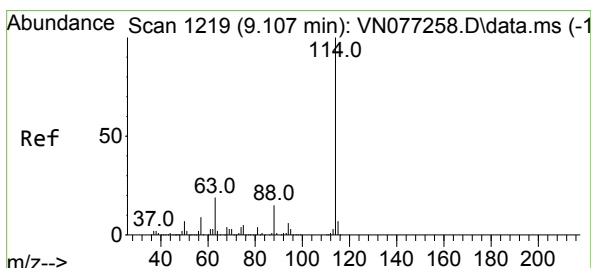
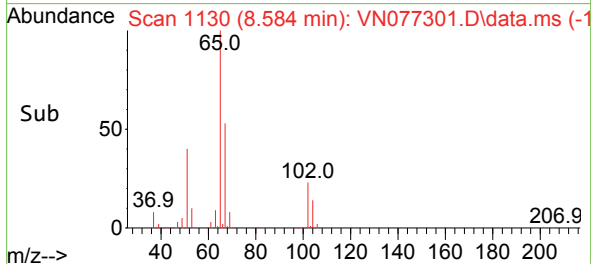
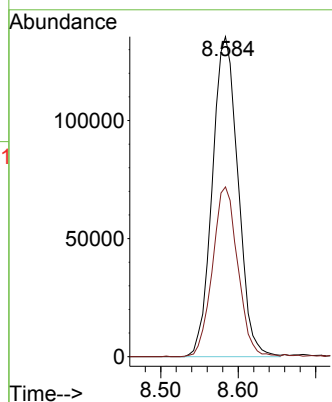
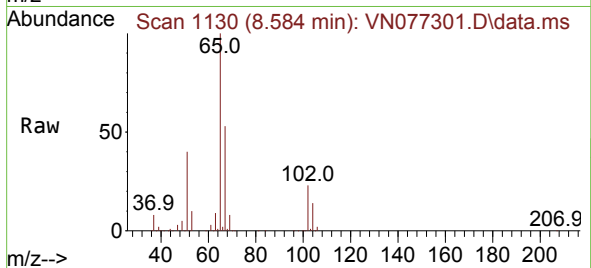
JPP-1-040723

Tgt Ion: 65 Resp: 311516

Ion Ratio Lower Upper

65 100

67 52.3 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: VN077301.D

Acq: 11 Apr 2023 13:47

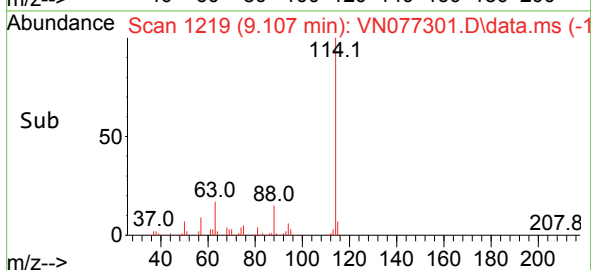
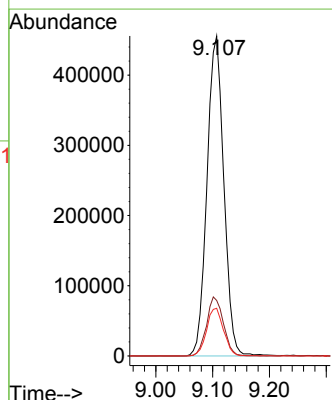
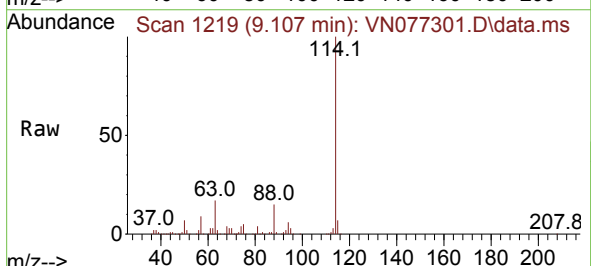
Tgt Ion: 114 Resp: 935170

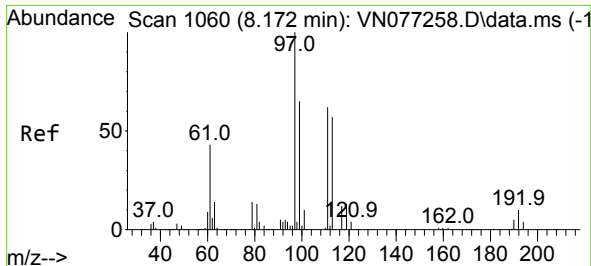
Ion Ratio Lower Upper

114 100

63 17.4 0.0 37.8

88 14.9 0.0 29.4

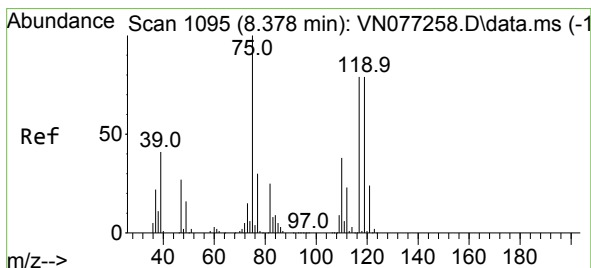
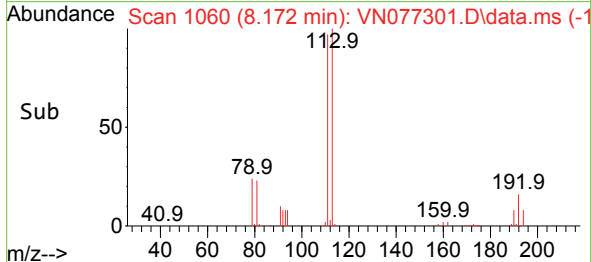
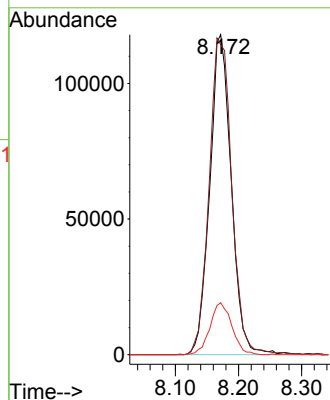
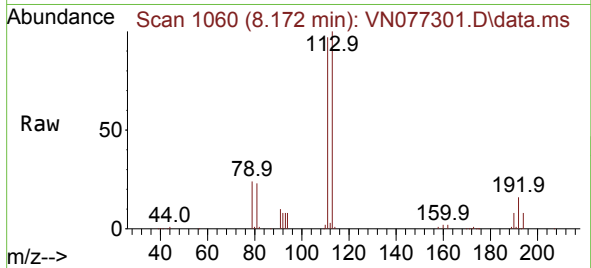




#35
Dibromofluoromethane
Concen: 46.592 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

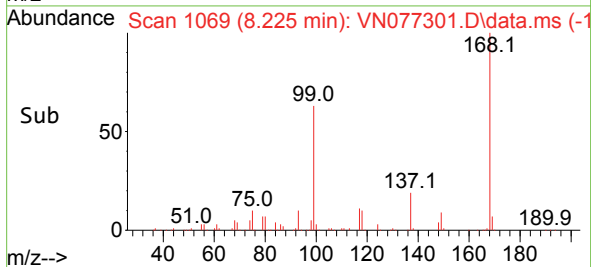
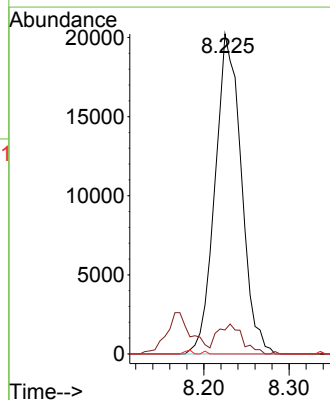
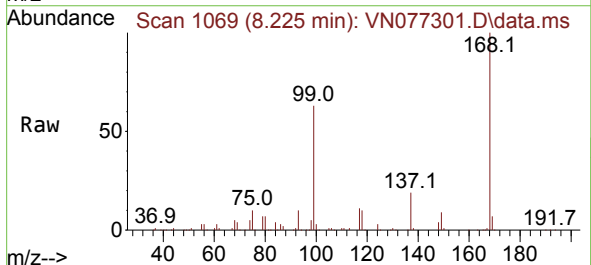
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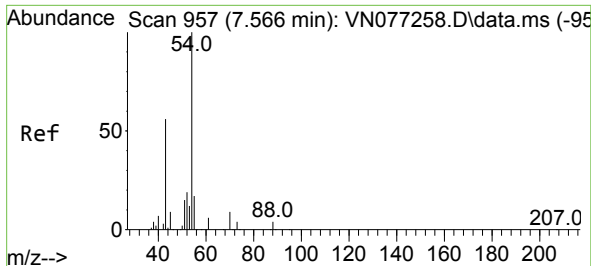
Tgt Ion:113 Resp: 278931
Ion Ratio Lower Upper
113 100
111 104.5 83.4 125.0
192 16.6 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.886 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 75 Resp: 43265
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 25.0 37.4#

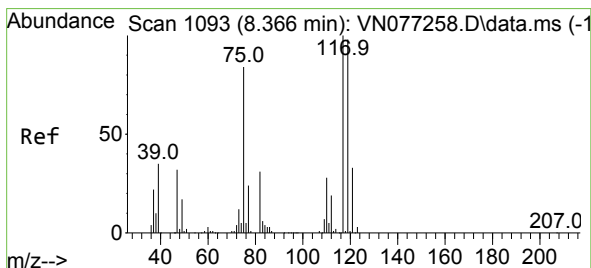
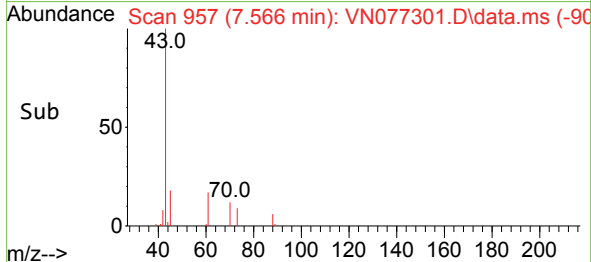
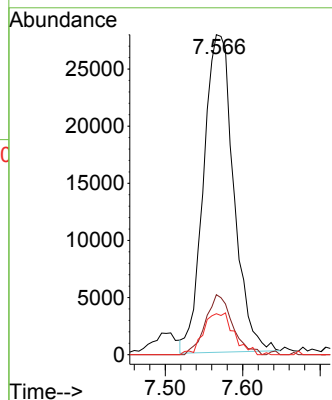
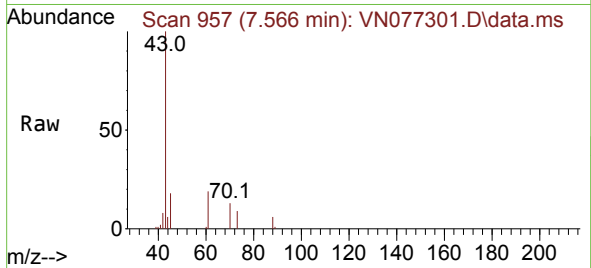




#37
Ethyl Acetate
Concen: 9.496 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

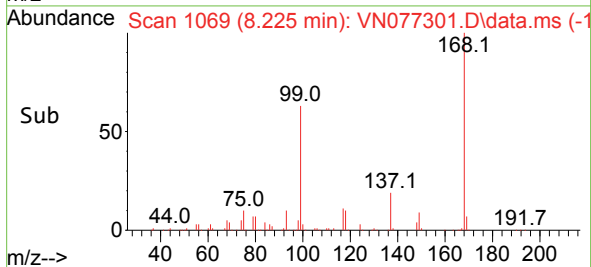
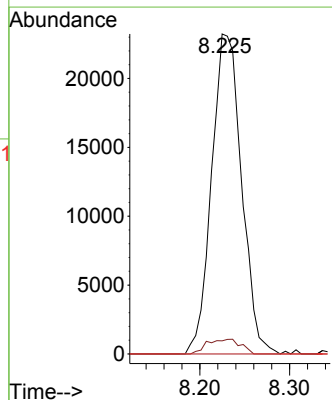
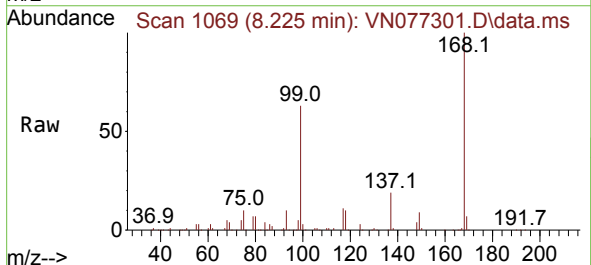
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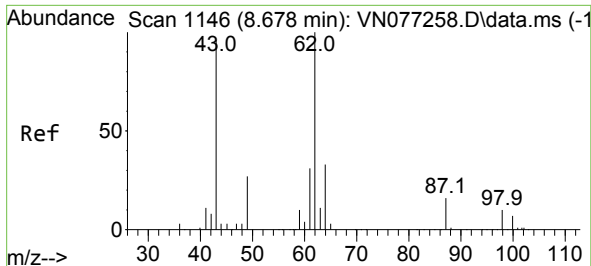
Tgt Ion: 43 Resp: 75224
Ion Ratio Lower Upper
43 100
61 16.9 12.2 18.2
70 13.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.141 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 117 Resp: 53780
Ion Ratio Lower Upper
117 100
119 4.1 78.5 117.7#
121 0.0 26.6 40.0#





#42

1,2-Dichloroethane

Concen: 0.266 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.011 min

Lab File: VN077301.D

Acq: 11 Apr 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

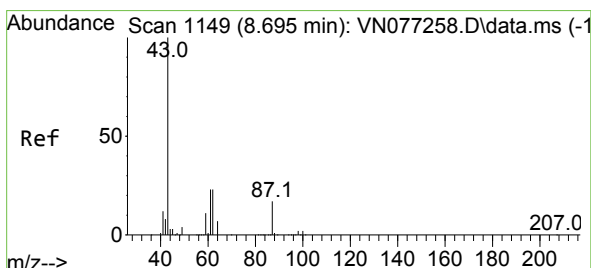
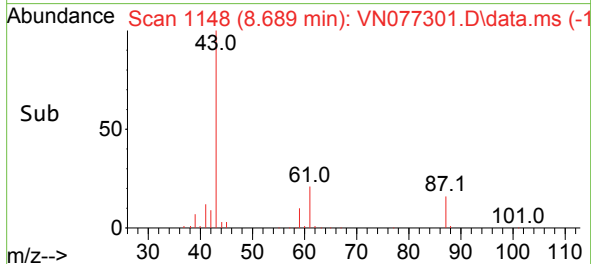
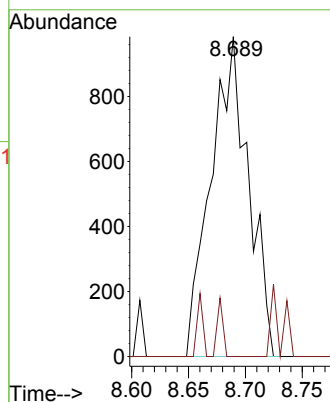
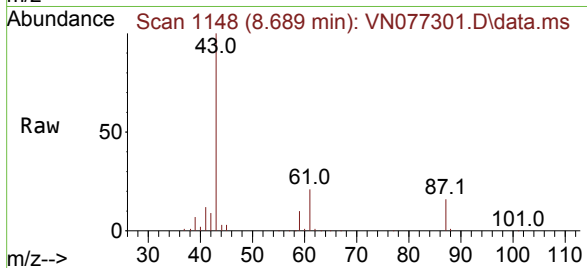
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Tgt Ion: 62 Resp: 2265

Ion Ratio Lower Upper

62 100

98 2.8 0.0 20.2



#43

Isopropyl Acetate

Concen: 23.844 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VN077301.D

Acq: 11 Apr 2023 13:47

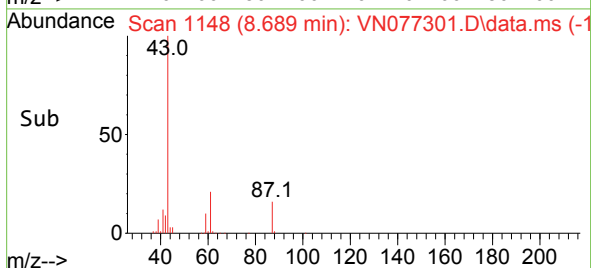
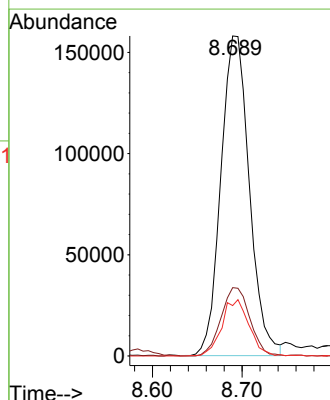
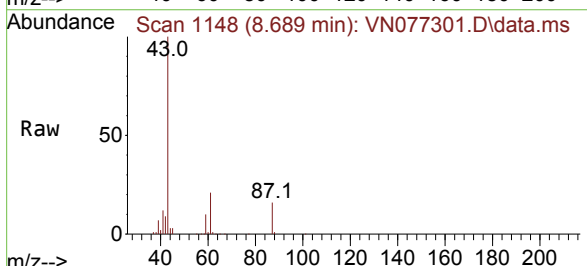
Tgt Ion: 43 Resp: 348552

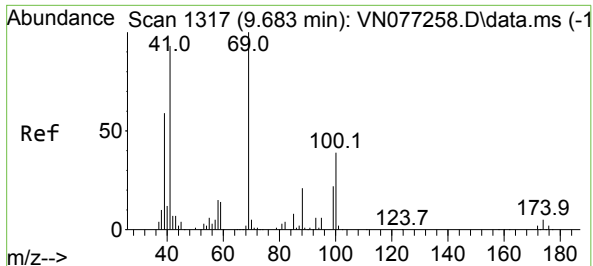
Ion Ratio Lower Upper

43 100

61 21.6 22.7 34.1#

87 17.0 13.6 20.4

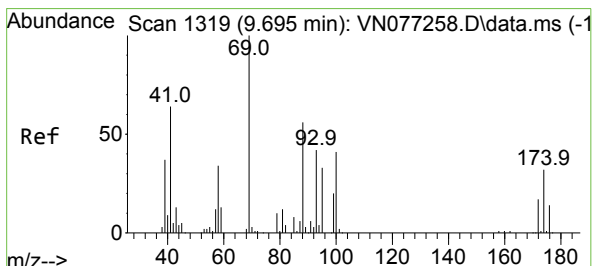
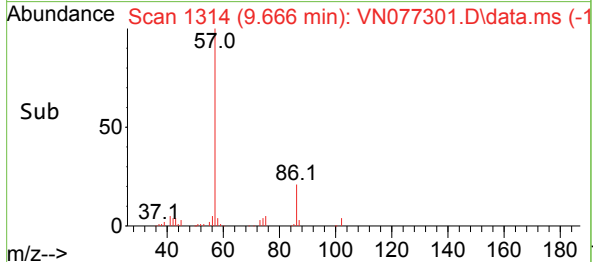
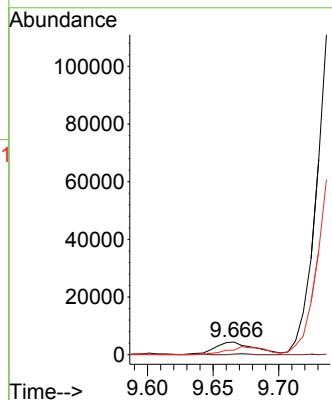
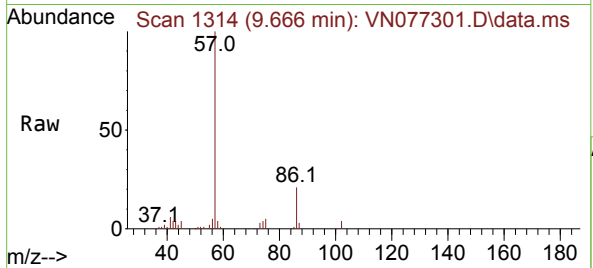




#48
Methyl methacrylate
Concen: 1.489 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.017 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

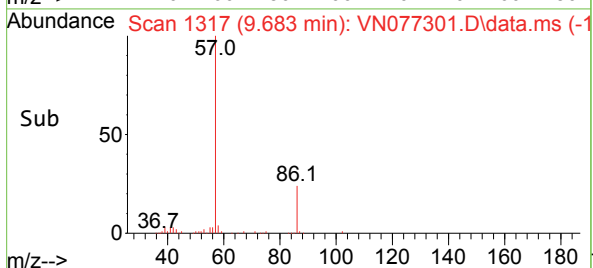
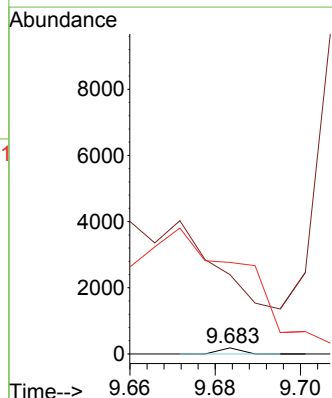
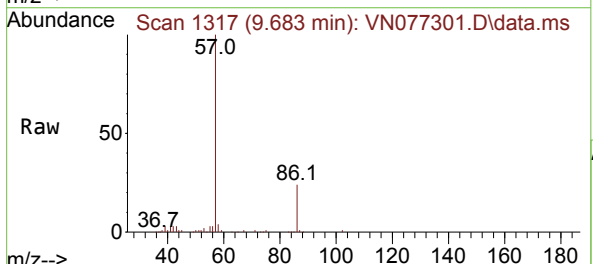
Instrument :
MSVOA_N
ClientSampleId :
JPP-1-040723

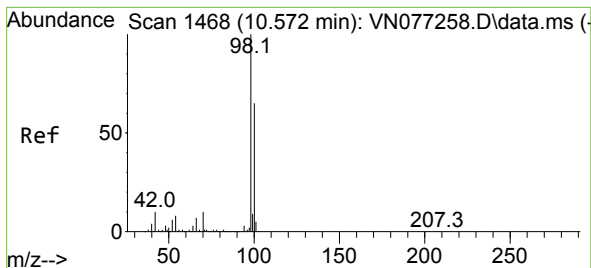
Tgt Ion: 41 Resp: 9284
Ion Ratio Lower Upper
41 100
69 3.2 85.0 127.6#
39 58.8 53.5 80.3



#49
1,4-Dioxane
Concen: 0.423 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. -0.012 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 12487.5 49.8 74.6#

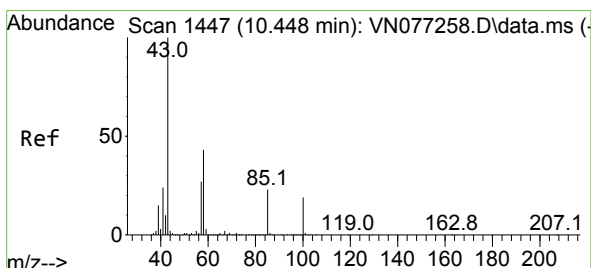
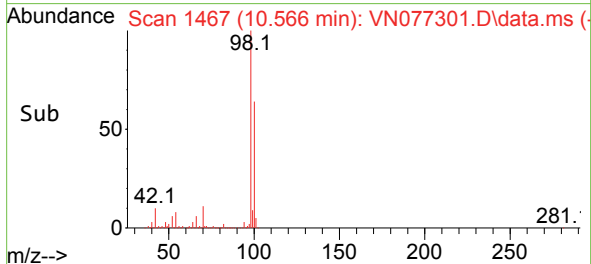
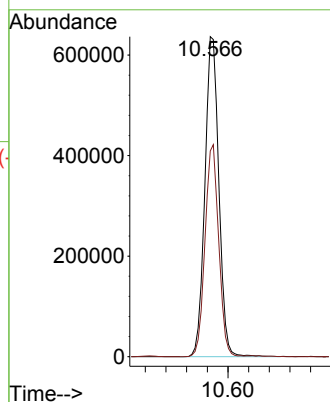
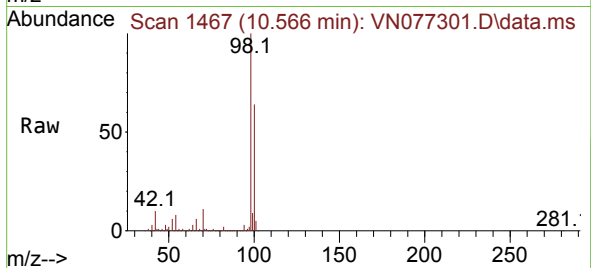




#50
Toluene-d8
Concen: 49.526 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.006 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

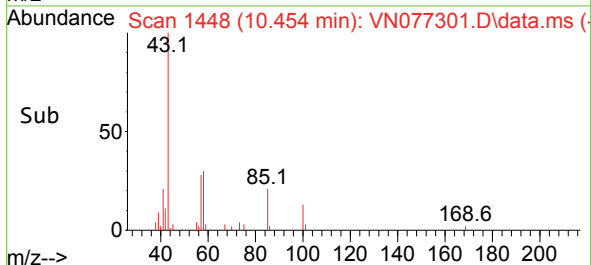
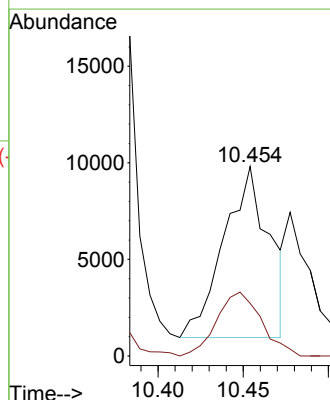
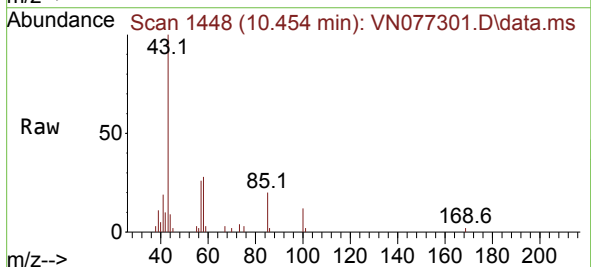
Instrument :
MSVOA_N
ClientSampleId :
JPP-1-040723

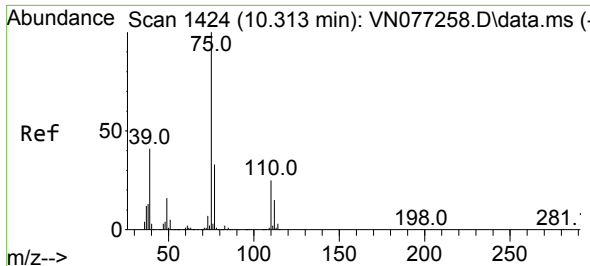
Tgt Ion: 98 Resp: 1193602
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.936 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 43 Resp: 16361
Ion Ratio Lower Upper
43 100
58 36.9 34.6 52.0

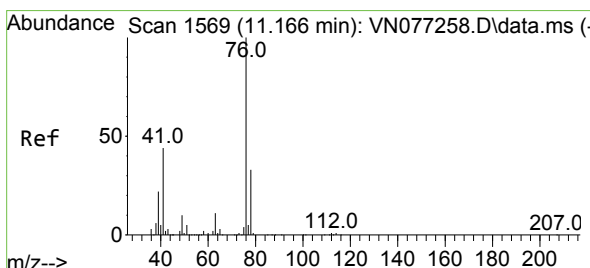
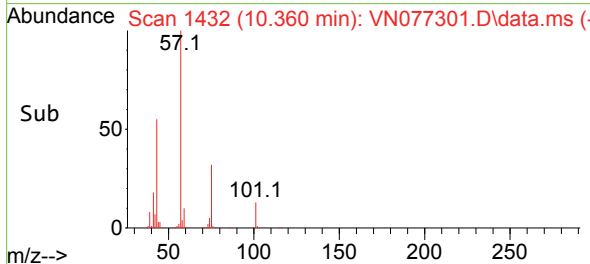
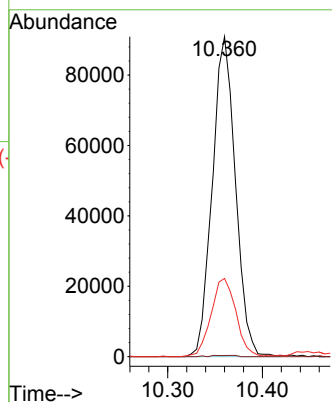
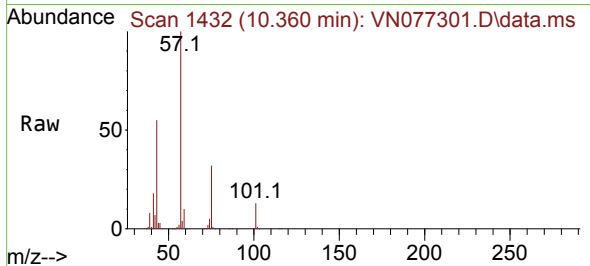




#54
 cis-1,3-Dichloropropene
 Concen: 13.492 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077301.D
 Acq: 11 Apr 2023 13:47

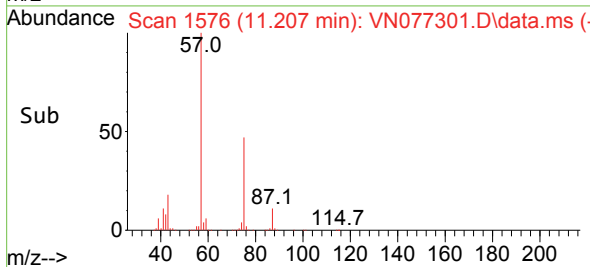
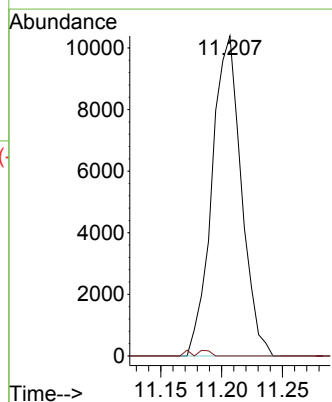
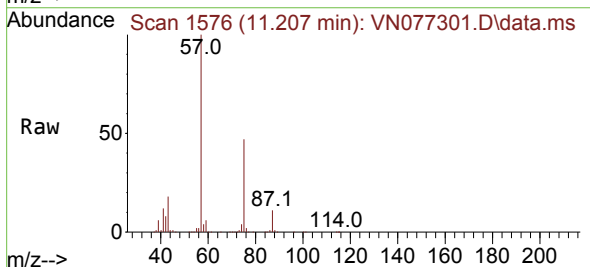
Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-1-040723

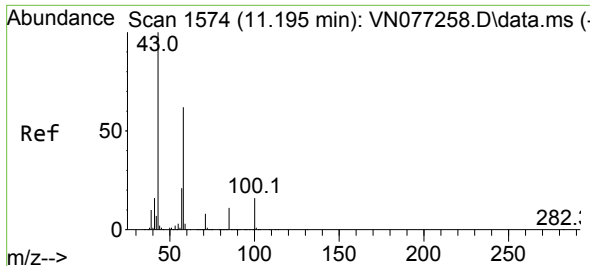
Tgt Ion: 75 Resp: 154145
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.7 40.1#
 39 24.5 32.8 49.2#



#57
 1,3-Dichloropropane
 Concen: 1.488 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN077301.D
 Acq: 11 Apr 2023 13:47

Tgt Ion: 76 Resp: 17447
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

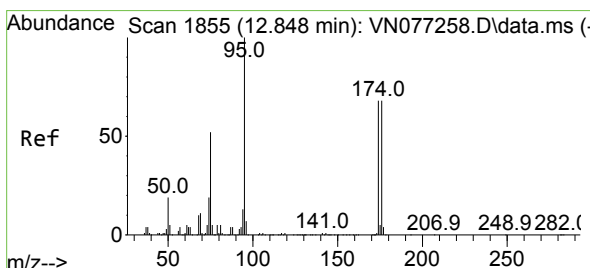
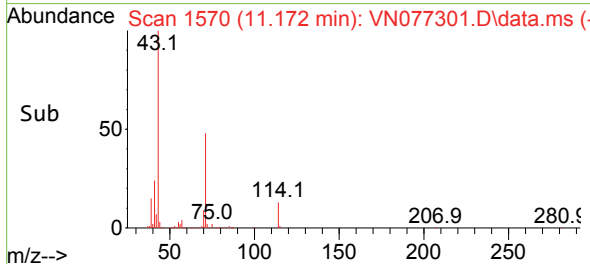
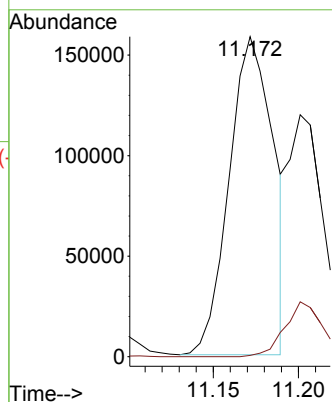
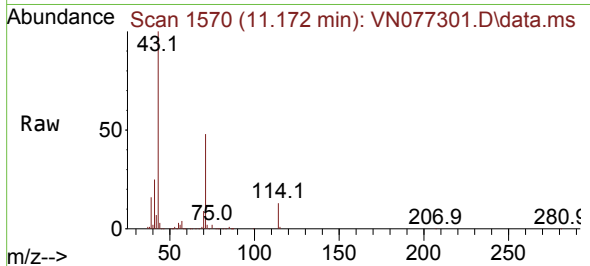




#59
2-Hexanone
Concen: 45.360 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.023 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

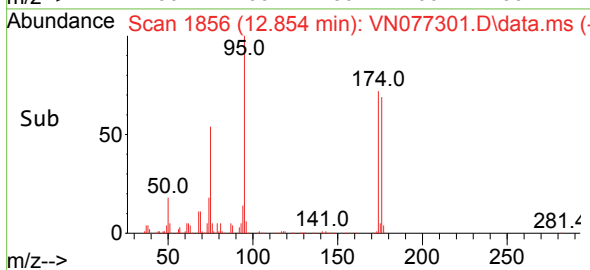
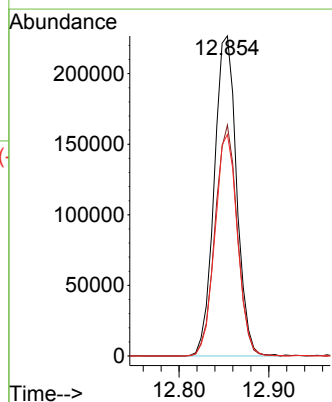
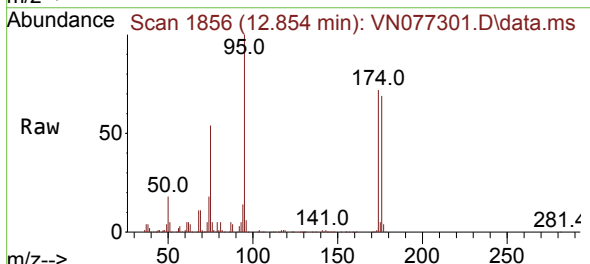
Instrument :
MSVOA_N
ClientSampleId :
JPP-1-040723

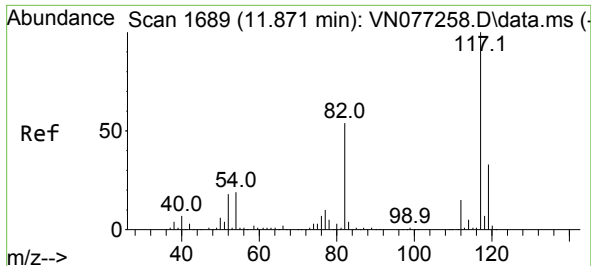
Tgt Ion: 43 Resp: 285536
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 48.922 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 95 Resp: 392134
Ion Ratio Lower Upper
95 100
174 71.7 0.0 146.8
176 69.8 0.0 139.6

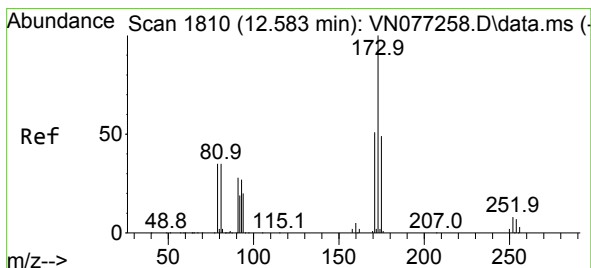
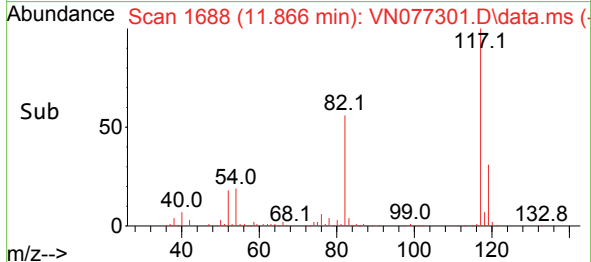
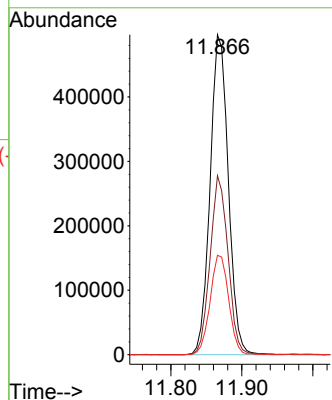
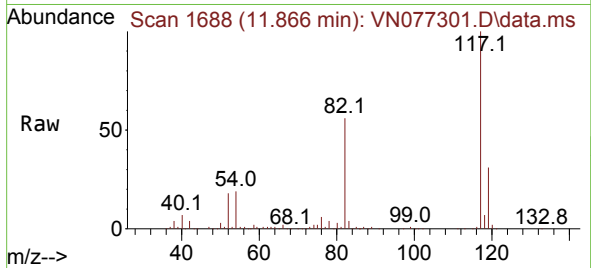




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

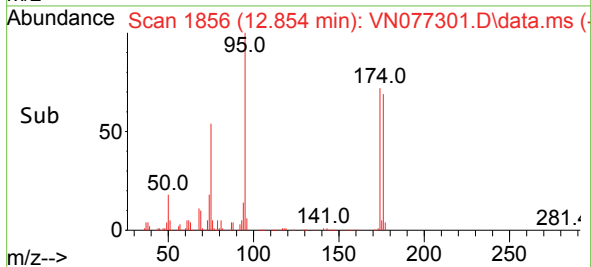
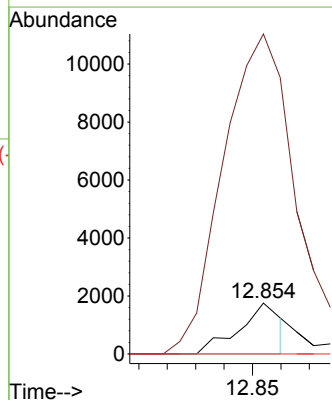
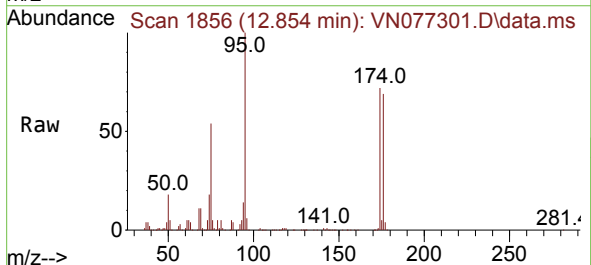
Instrument :
MSVOA_N
ClientSampleId :
JPP-1-040723

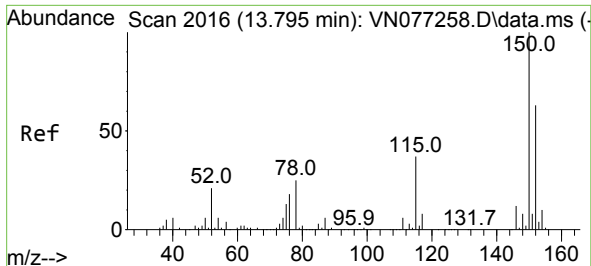
Tgt Ion:117 Resp: 884307
Ion Ratio Lower Upper
117 100
82 55.9 42.9 64.3
119 31.0 26.2 39.4



#71
Bromoform
Concen: 0.347 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion:173 Resp: 1801
Ion Ratio Lower Upper
173 100
175 885.7 24.1 72.4#
254 0.0 0.1 0.1#

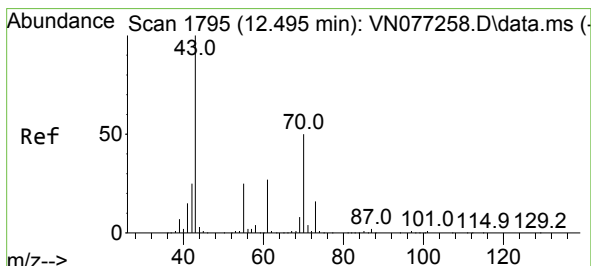
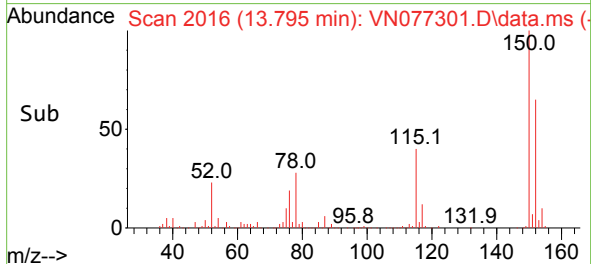
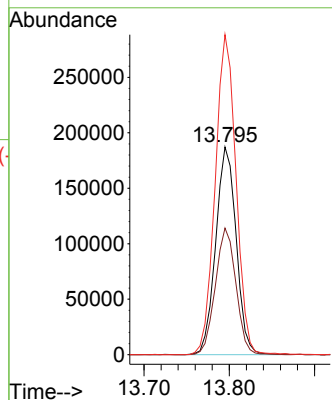
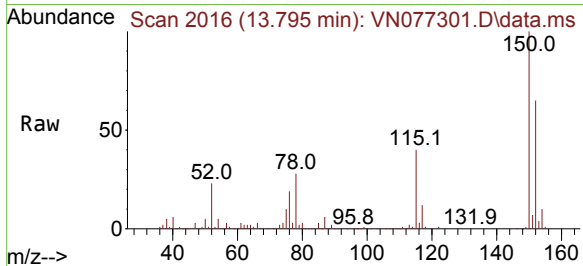




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

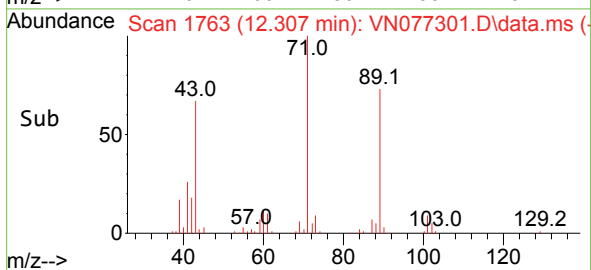
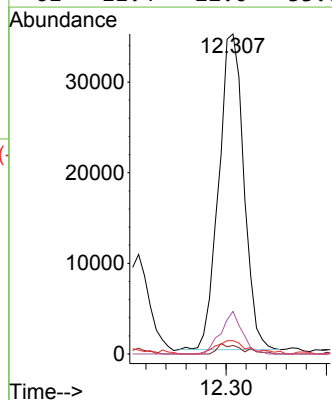
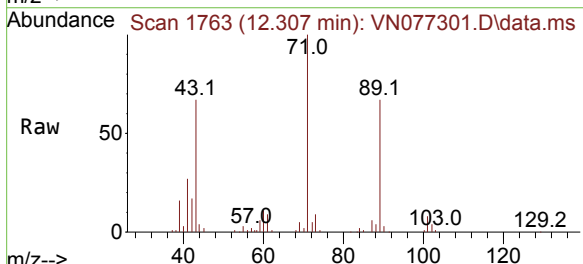
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MSVOA_N
ClientSampleId :
JPP-1-040723

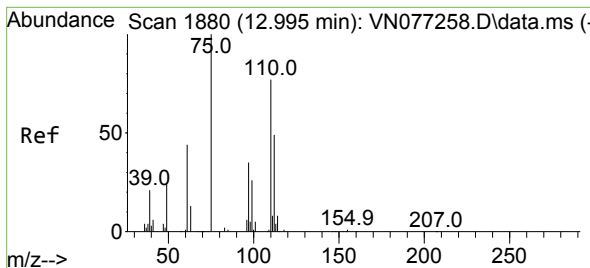
Tgt Ion:152 Resp: 312645
Ion Ratio Lower Upper
152 100
115 61.2 32.1 96.3
150 156.9 0.0 354.8



#74
N-ethyl acetate
Concen: 5.248 ug/l
RT: 12.307 min Scan# 1763
Delta R.T. -0.188 min
Lab File: VN077301.D
Acq: 11 Apr 2023 13:47

Tgt Ion: 43 Resp: 60396
Ion Ratio Lower Upper
43 100
70 3.2 41.0 61.6#
55 5.6 19.3 28.9#
61 11.4 22.0 33.0#





#76

1,2,3-Trichloropropane

Concen: 27.571 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077301.D

Acq: 11 Apr 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

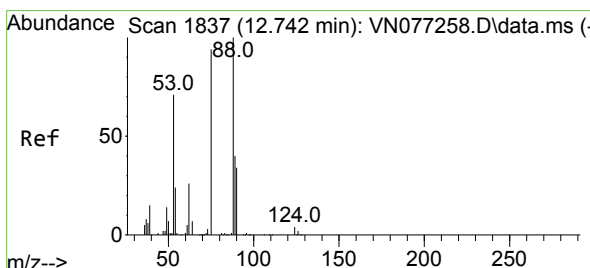
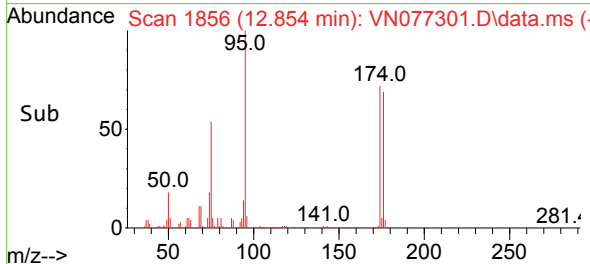
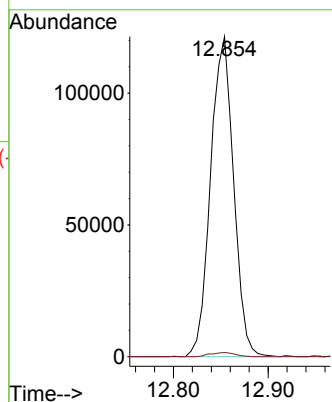
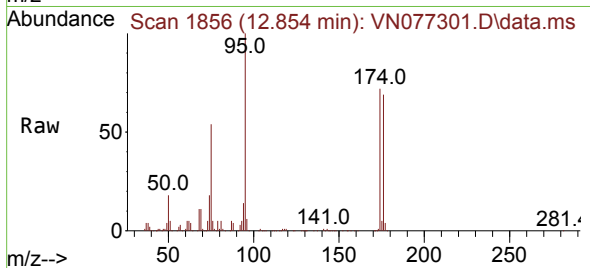
JPP-1-040723

Tgt Ion: 75 Resp: 205267

Ion Ratio Lower Upper

75 100

77 1.4 88.3 264.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.045 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077301.D

Acq: 11 Apr 2023 13:47

Tgt Ion: 75 Resp: 205267

Ion Ratio Lower Upper

75 100

53 0.1 72.8 109.2#

89 0.0 37.4 56.2#

