

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041123\
 Data File : VN077302.D
 Acq On : 11 Apr 2023 14:11
 Operator : JC\MD
 Sample : 02262-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-3A-040723

Quant Time: Apr 12 04:41:52 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

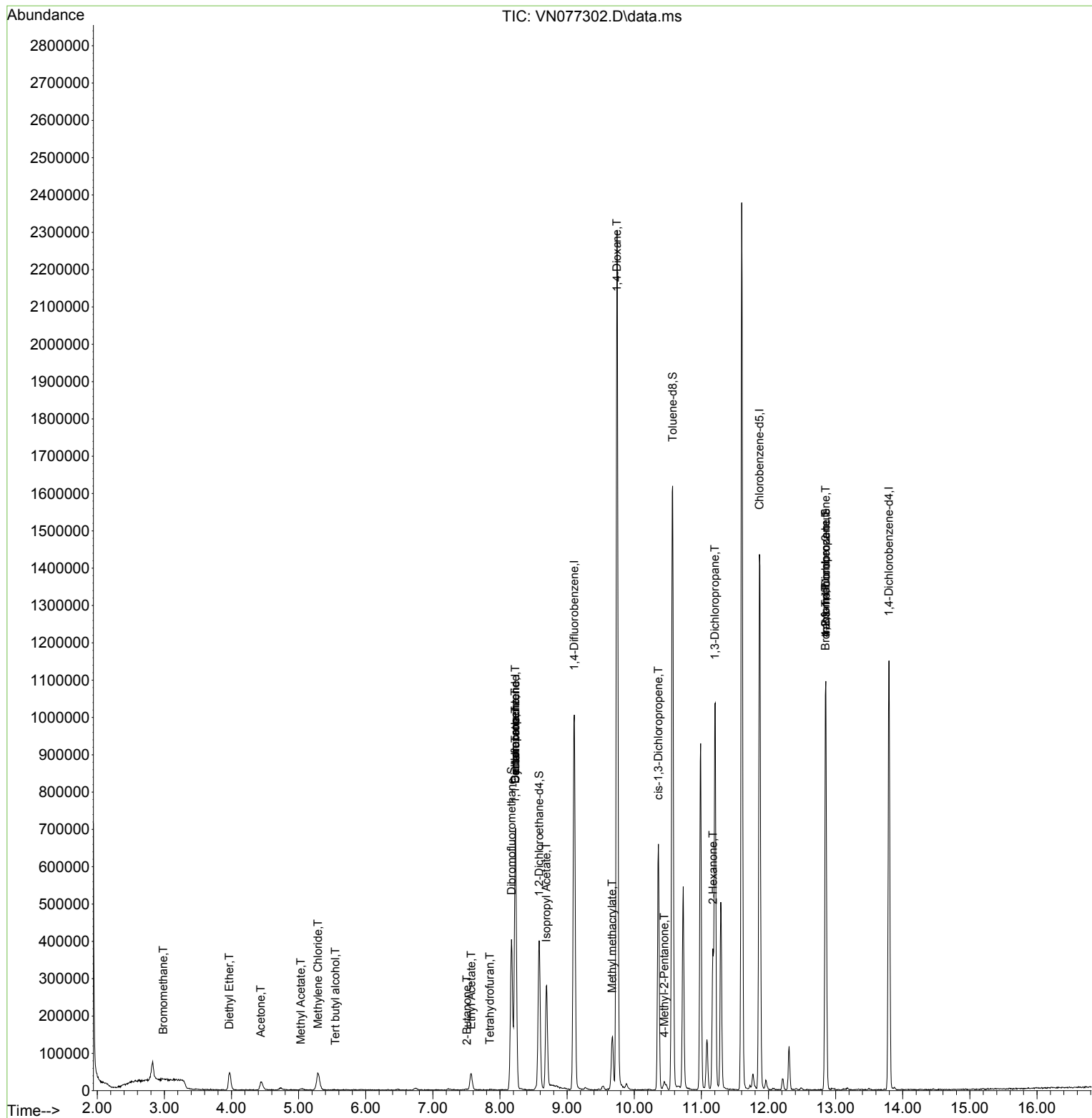
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	497648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	947397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	867346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	308526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	307872	45.265	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.540%
35) Dibromofluoromethane	8.172	113	283347	46.719	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.440%
50) Toluene-d8	10.572	98	1196191	48.993	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.980%
62) 4-Bromofluorobenzene	12.854	95	384008	47.290	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.580%
Target Compounds						
					Qvalue	
5) Bromomethane	2.984	94	2443	0.316	ug/l	89
8) Diethyl Ether	3.966	74	32704	8.434	ug/l #	49
11) Tert butyl alcohol	5.548	59	407	0.293	ug/l #	91
16) Acetone	4.437	43	41810	16.672	ug/l	98
18) Methyl Acetate	5.031	43	3493	0.366	ug/l #	62
20) Methylene Chloride	5.290	84	40334	5.695	ug/l	93
25) 2-Butanone	7.507	43	4048	0.995	ug/l #	75
29) Tetrahydrofuran	7.848	42	908	0.347	ug/l #	51
31) Cyclohexane	8.231	56	12703	1.202	ug/l #	48
36) 1,1-Dichloropropene	8.225	75	41521	4.629	ug/l #	51
37) Ethyl Acetate	7.572	43	62617	7.802	ug/l	94
38) Carbon Tetrachloride	8.231	117	54592	5.940	ug/l #	15
43) Isopropyl Acetate	8.689	43	316233	21.354	ug/l #	92
48) Methyl methacrylate	9.672	41	6808	1.078	ug/l #	39
49) 1,4-Dioxane	9.742	88	192	1.254	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	12520	1.463	ug/l	96
54) cis-1,3-Dichloropropene	10.360	75	135899	11.741	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	13436	1.131	ug/l #	42
59) 2-Hexanone	11.172	43	292292	45.834	ug/l #	20
71) Bromoform	12.848	173	1785	0.351	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	209024	28.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	209024	64.024	ug/l #	13

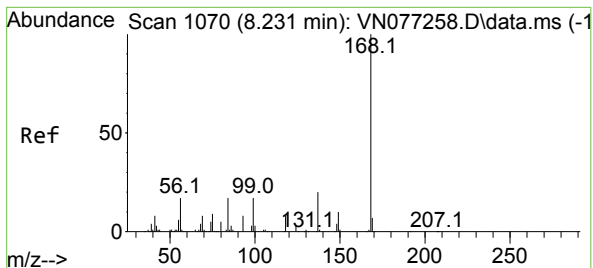
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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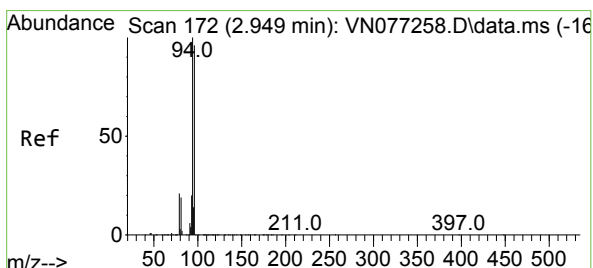
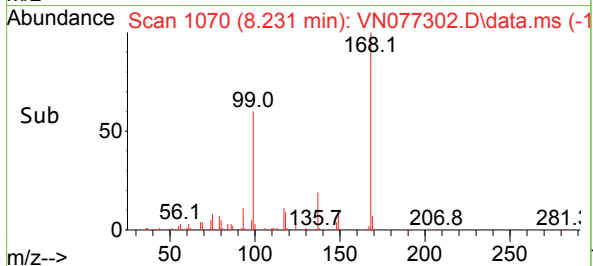
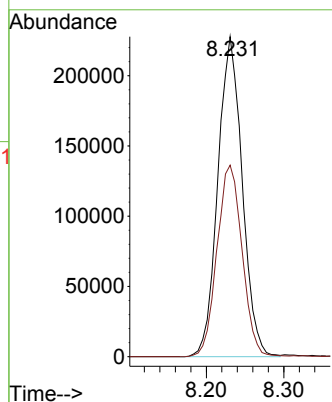
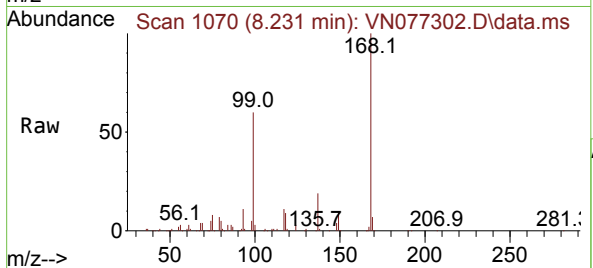




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

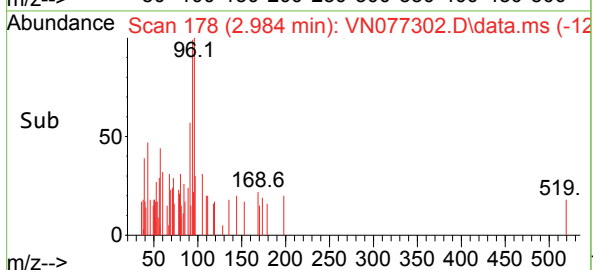
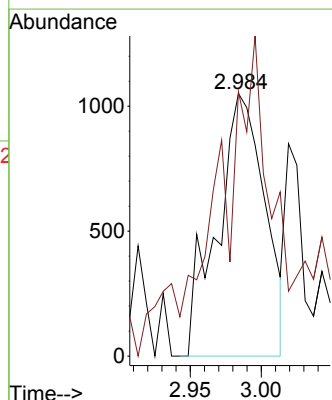
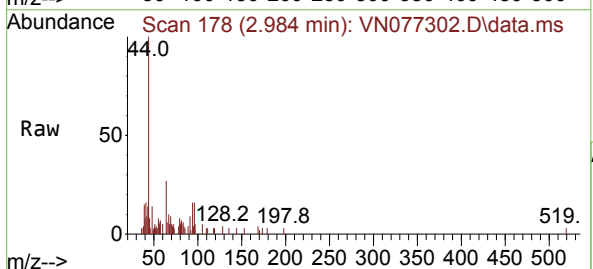
Instrument :
MSVOA_N
ClientSampleId :
JPP-3A-040723

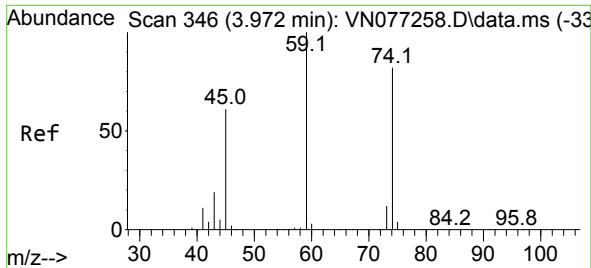
Tgt Ion:168 Resp: 497648
Ion Ratio Lower Upper
168 100
99 59.9 50.6 75.8



#5
Bromomethane
Concen: 0.316 ug/l
RT: 2.984 min Scan# 178
Delta R.T. 0.035 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion: 94 Resp: 2443
Ion Ratio Lower Upper
94 100
96 85.7 77.0 115.4

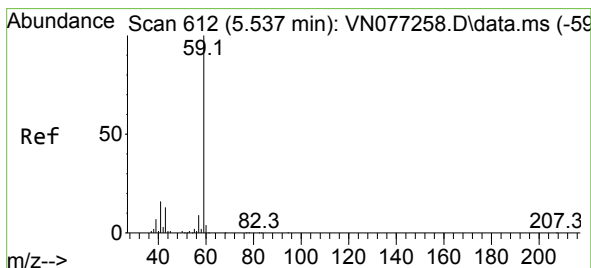
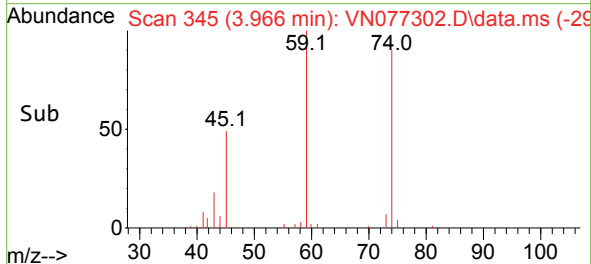
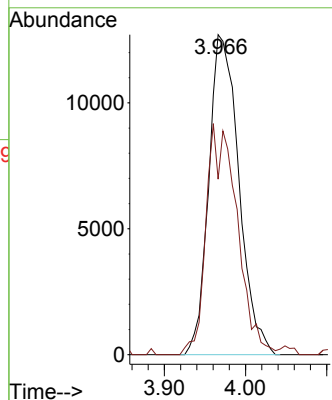
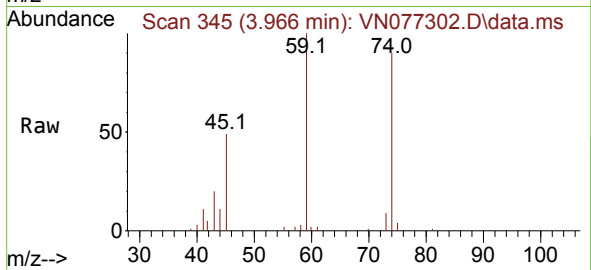




#8
Diethyl Ether
Concen: 8.434 ug/l
RT: 3.966 min Scan# 346
Delta R.T. -0.006 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

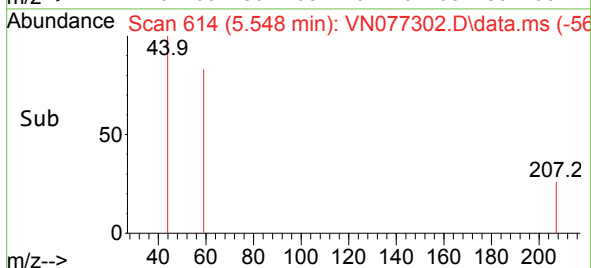
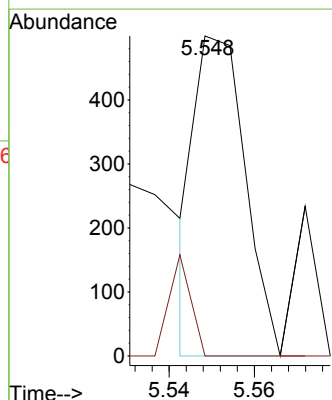
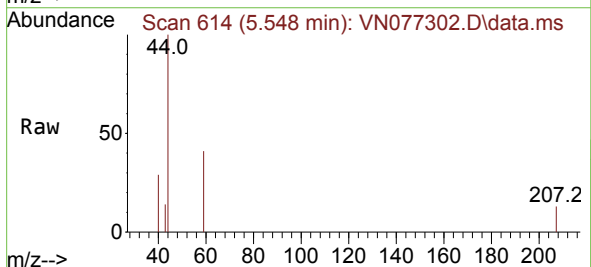
Instrument :
MSVOA_N
ClientSampleId :
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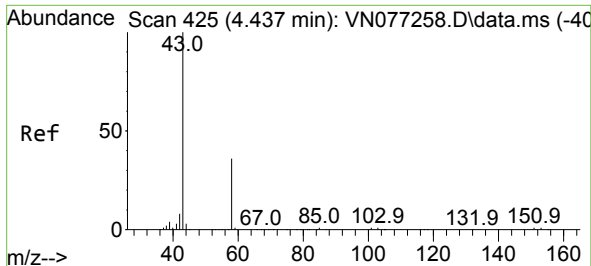
Tgt Ion: 74 Resp: 32704
Ion Ratio Lower Upper
74 100
45 32.0 37.8 113.4#



#11
Tert butyl alcohol
Concen: 0.293 ug/l
RT: 5.548 min Scan# 614
Delta R.T. 0.011 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 13.8 8.3 12.5#

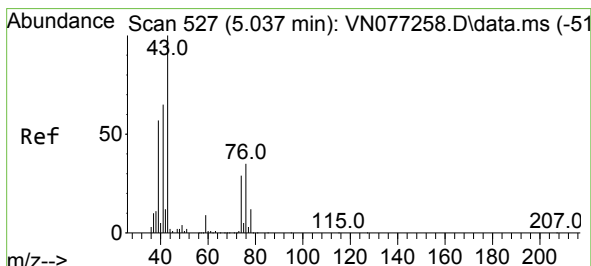
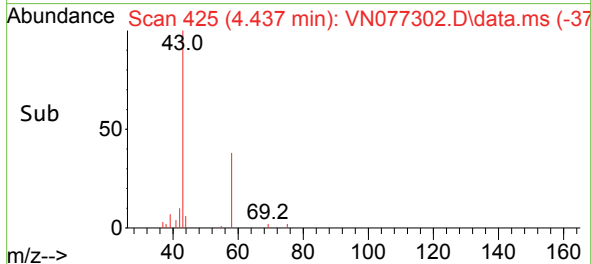
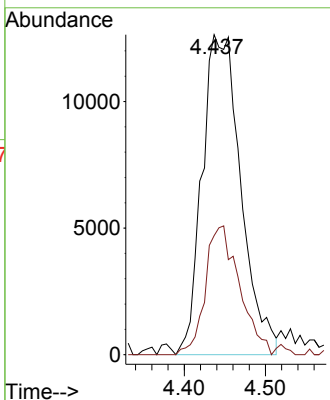
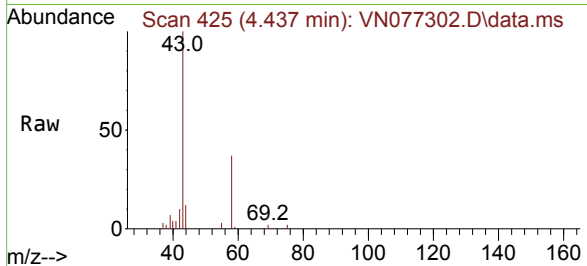




#16
Acetone
Concen: 16.672 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

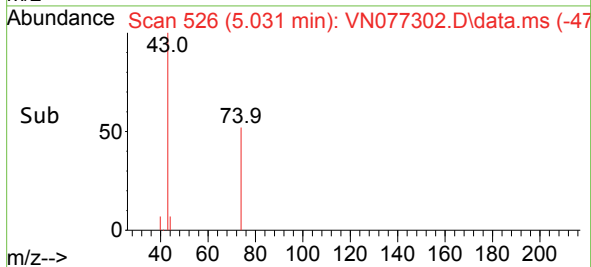
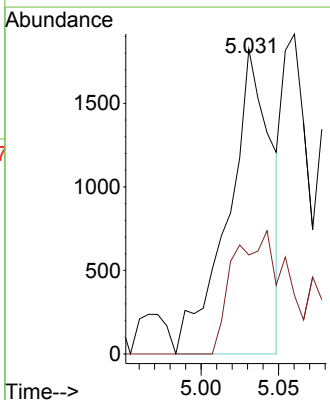
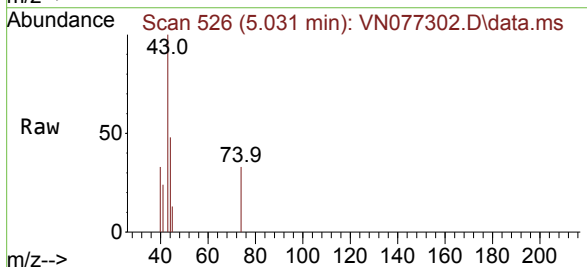
Instrument :
MSVOA_N
ClientSampleId :
JPP-3A-040723

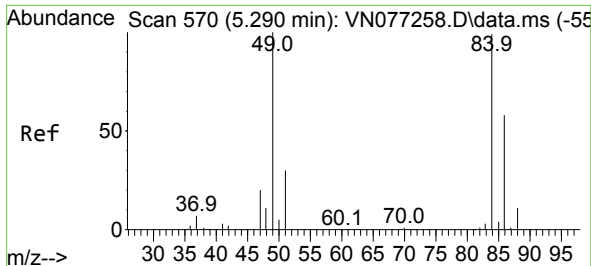
Tgt Ion: 43 Resp: 41810
Ion Ratio Lower Upper
43 100
58 37.2 29.0 43.6



#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.006 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion: 43 Resp: 3493
Ion Ratio Lower Upper
43 100
74 49.5 23.4 35.2#

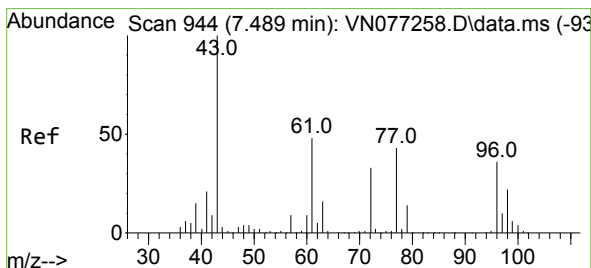
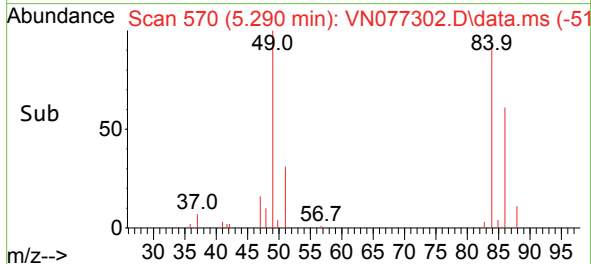
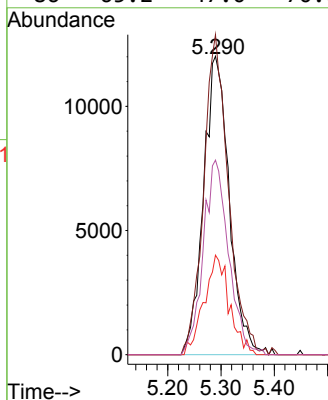
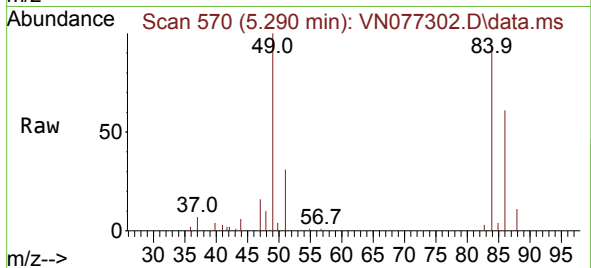




#20
Methylene Chloride
Concen: 5.695 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

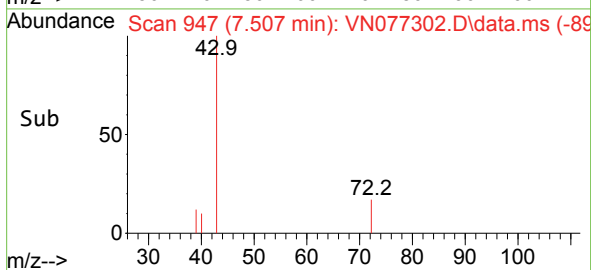
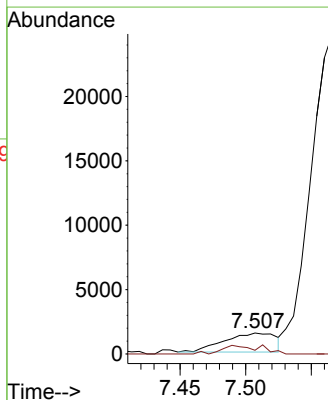
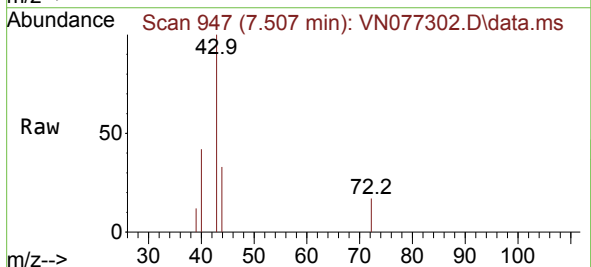
Instrument :
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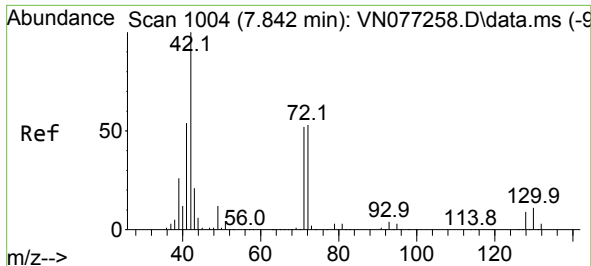
Tgt Ion:	84	Resp:	40334
Ion	Ratio	Lower	Upper
84	100		
49	107.3	80.6	121.0
51	33.3	24.4	36.6
86	65.2	47.0	70.6



#25
2-Butanone
Concen: 0.995 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

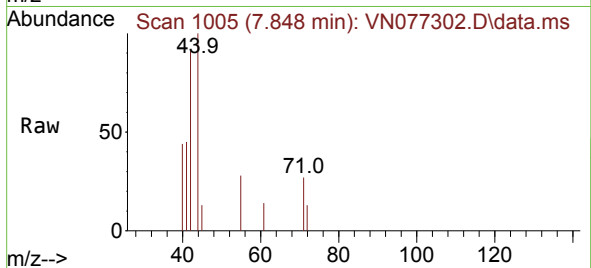
Tgt Ion:	43	Resp:	4048
Ion	Ratio	Lower	Upper
43	100		
72	19.2	26.6	39.8#



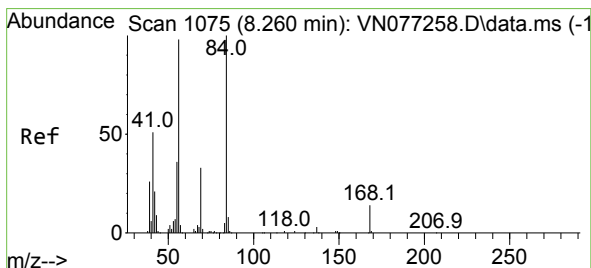
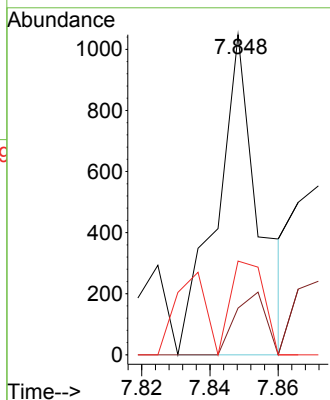
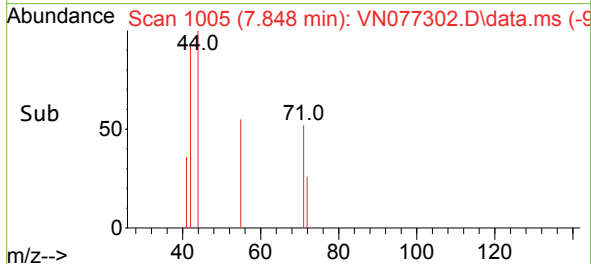


#29
Tetrahydrofuran
Concen: 0.347 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

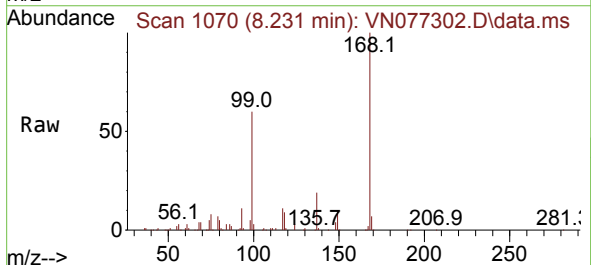
Instrument :
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ClientSampleId :
JPP-3A-040723



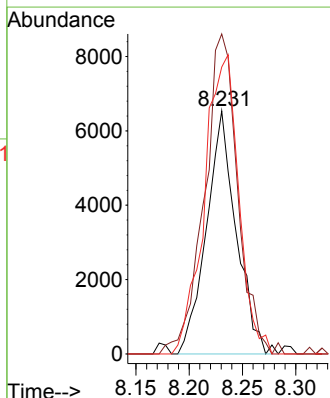
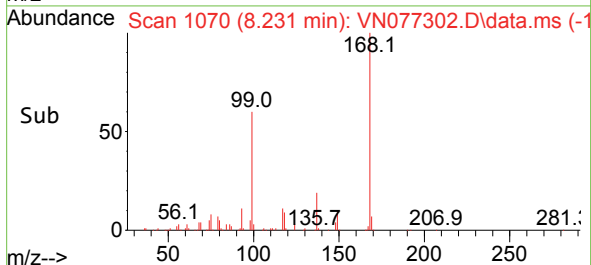
Tgt Ion: 42 Resp: 908
Ion Ratio Lower Upper
42 100
72 13.9 44.6 66.8#
71 23.1 41.3 61.9#

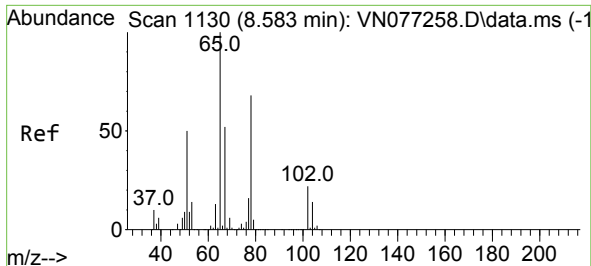


#31
Cyclohexane
Concen: 1.202 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11



Tgt Ion: 56 Resp: 12703
Ion Ratio Lower Upper
56 100
69 127.1 26.6 40.0#
84 118.1 81.8 122.8

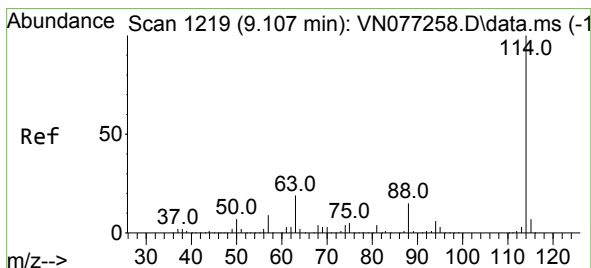
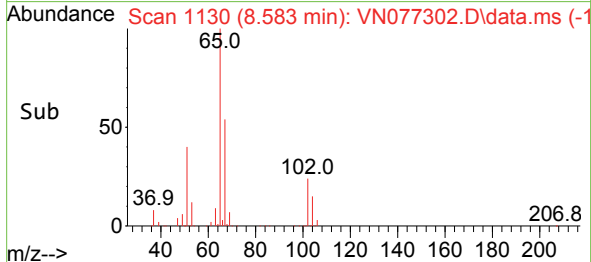
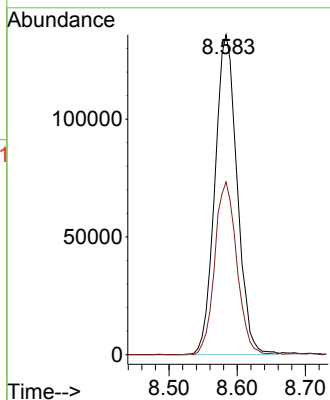
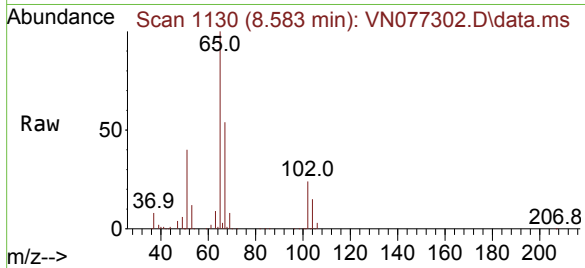




#33
1,2-Dichloroethane-d4
Concen: 45.265 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

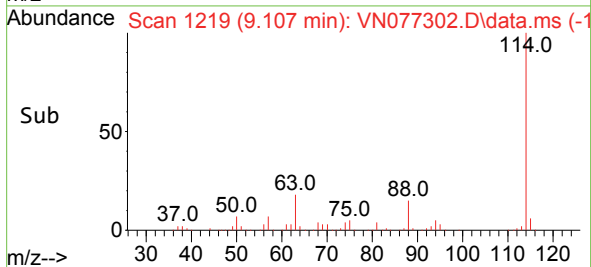
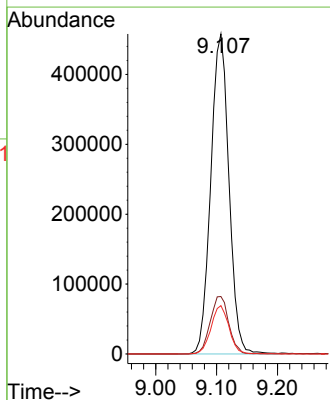
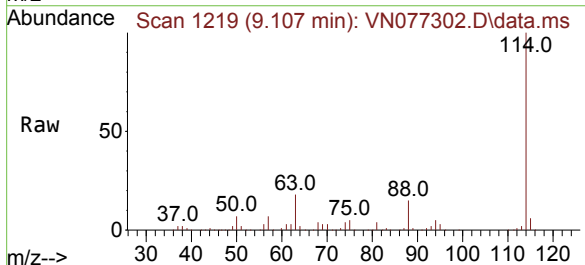
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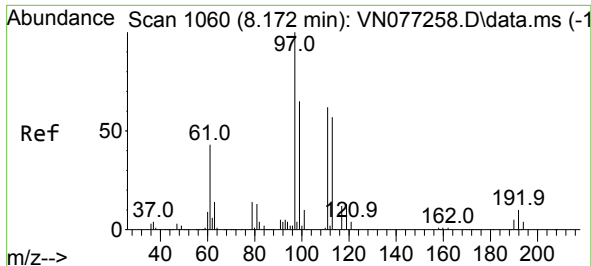
Tgt Ion: 65 Resp: 307872
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion: 114 Resp: 947397
Ion Ratio Lower Upper
114 100
63 17.9 0.0 37.8
88 15.1 0.0 29.4

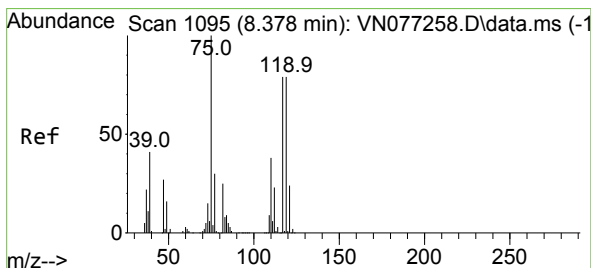
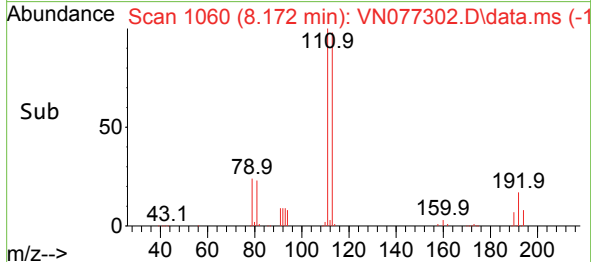
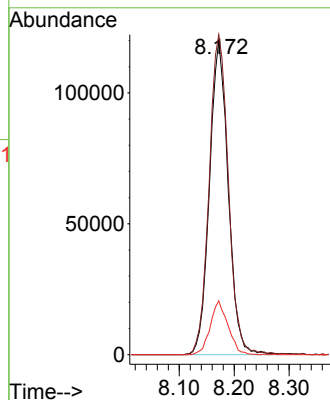
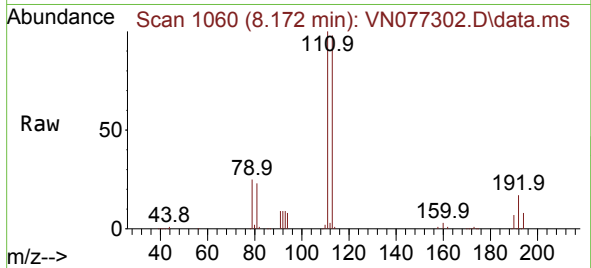




#35
 Dibromofluoromethane
 Concen: 46.719 ug/l
 RT: 8.172 min Scan# 1060
 Delta R.T. -0.000 min
 Lab File: VN077302.D
 Acq: 11 Apr 2023 14:11

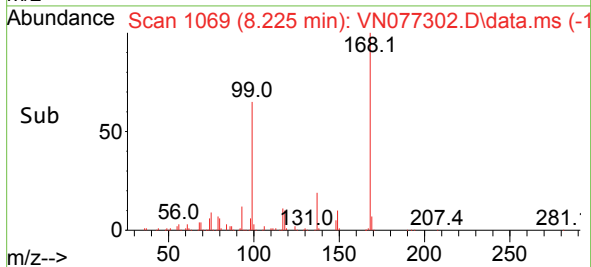
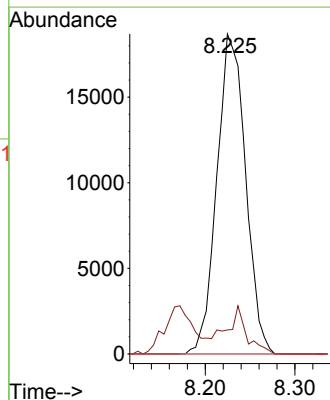
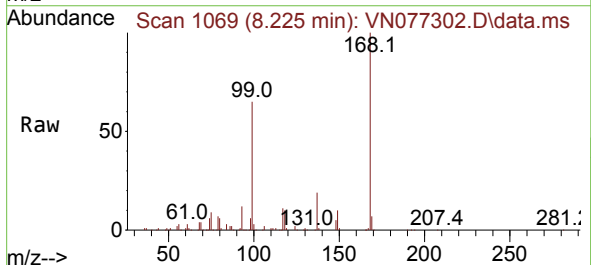
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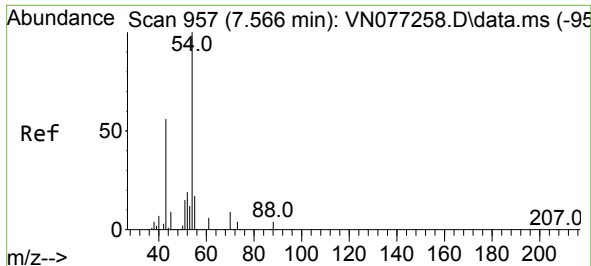
Tgt Ion: 113 Resp: 283347
 Ion Ratio Lower Upper
 113 100
 111 105.1 83.4 125.0
 192 16.3 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 4.629 ug/l
 RT: 8.225 min Scan# 1069
 Delta R.T. -0.153 min
 Lab File: VN077302.D
 Acq: 11 Apr 2023 14:11

Tgt Ion: 75 Resp: 41521
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.8 53.5#
 77 0.0 25.0 37.4#

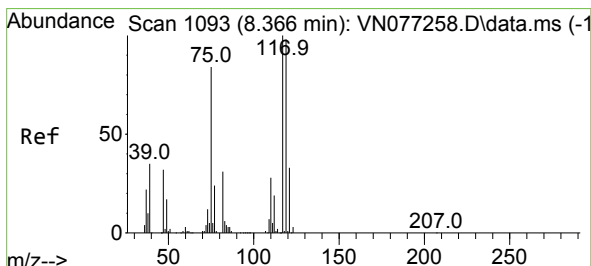
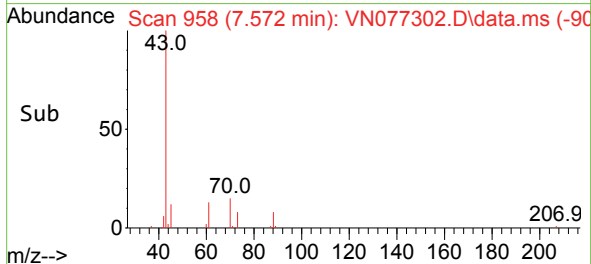
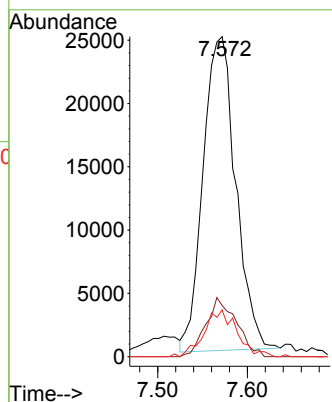
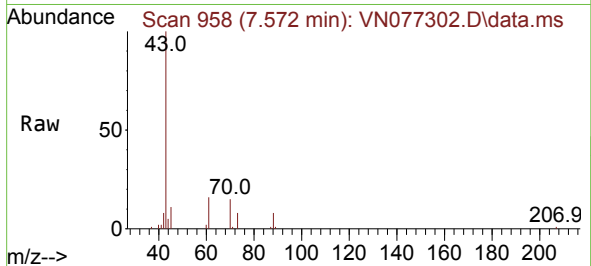




#37
Ethyl Acetate
Concen: 7.802 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

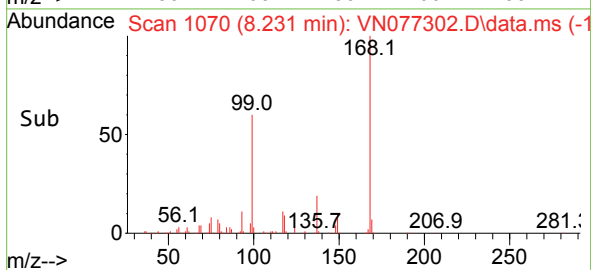
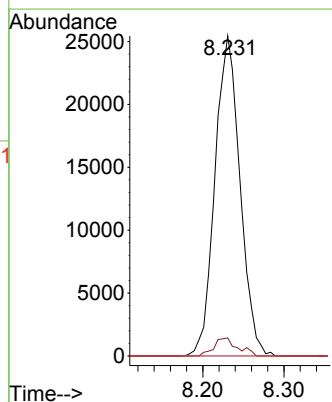
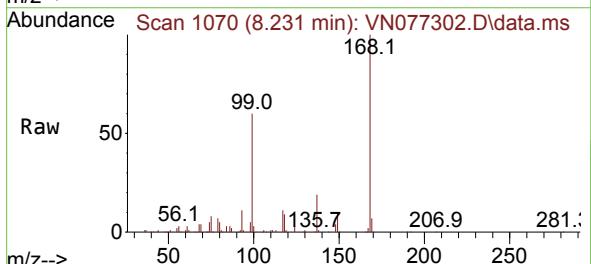
Instrument :
MSVOA_N
ClientSampleId :
JPP-3A-040723

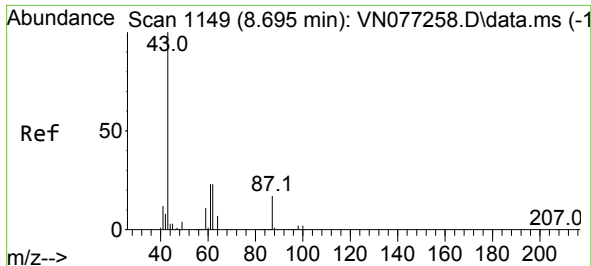
Tgt Ion: 43 Resp: 62617
Ion Ratio Lower Upper
43 100
61 17.6 12.2 18.2
70 15.0 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

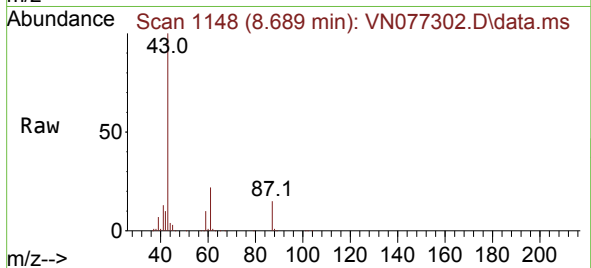
Tgt Ion: 117 Resp: 54592
Ion Ratio Lower Upper
117 100
119 5.7 78.5 117.7#
121 0.0 26.6 40.0#



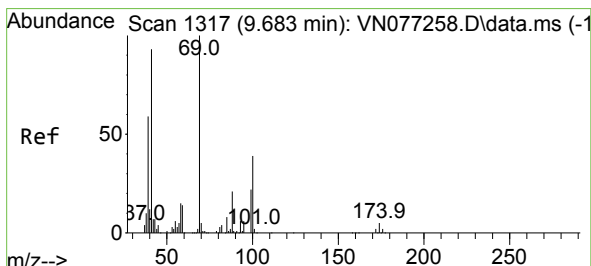
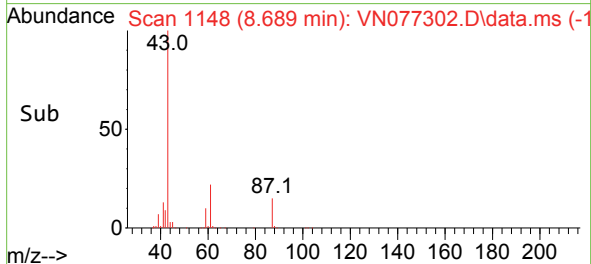
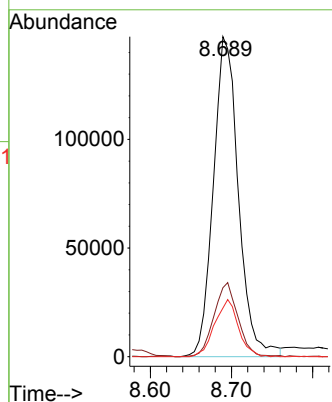


#43
Isopropyl Acetate
Concen: 21.354 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :
JPP-3A-040723

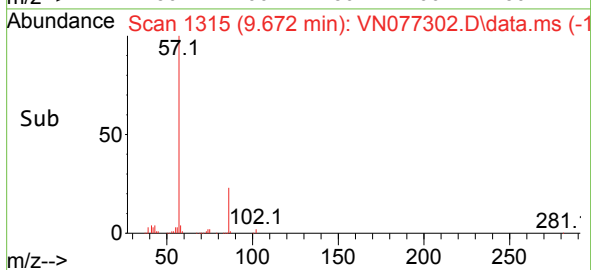
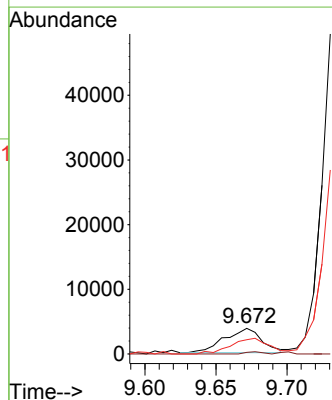
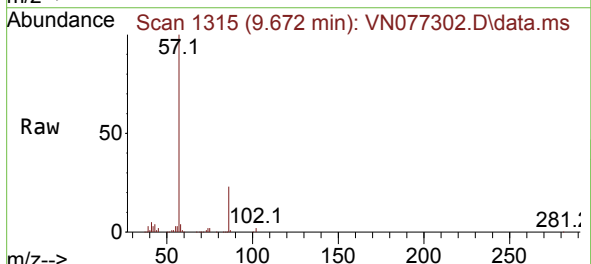


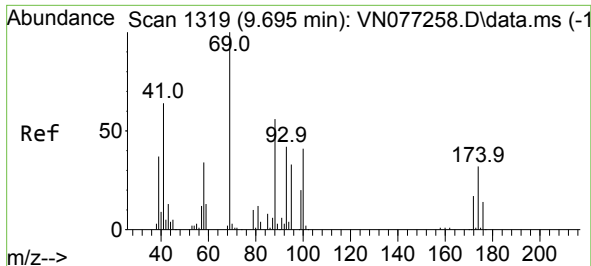
Tgt Ion: 43 Resp: 316233
Ion Ratio Lower Upper
43 100
61 22.1 22.7 34.1#
87 16.9 13.6 20.4



#48
Methyl methacrylate
Concen: 1.078 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.011 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion: 41 Resp: 6808
Ion Ratio Lower Upper
41 100
69 4.0 85.0 127.6#
39 67.6 53.5 80.3

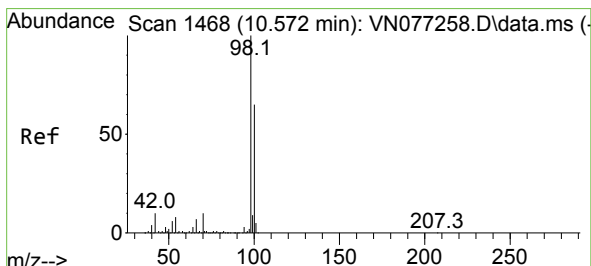
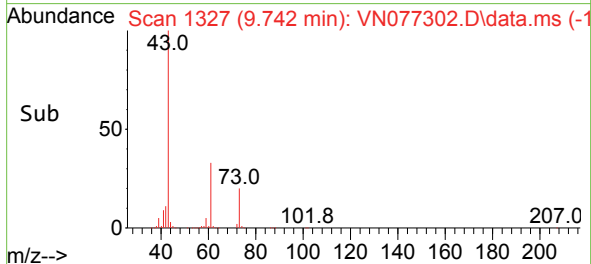
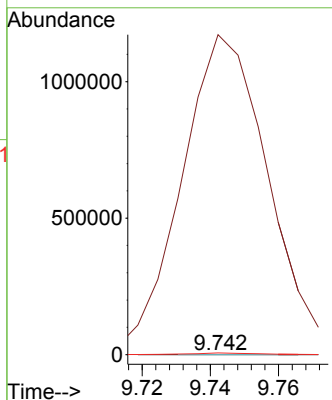
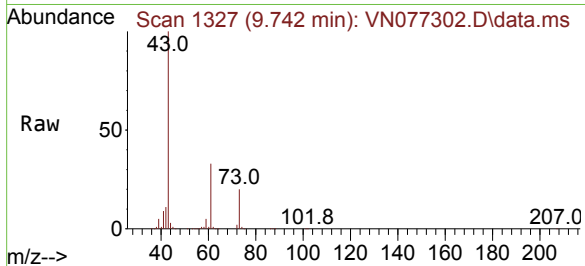




#49
1,4-Dioxane
Concen: 1.254 ug/l
RT: 9.742 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

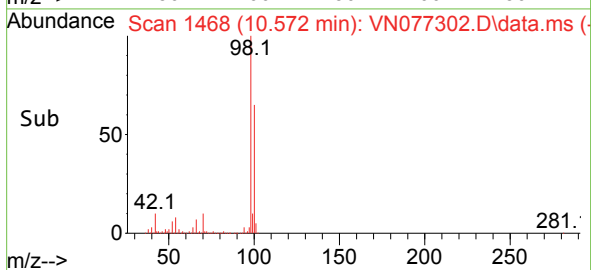
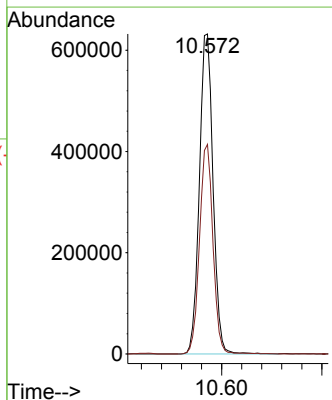
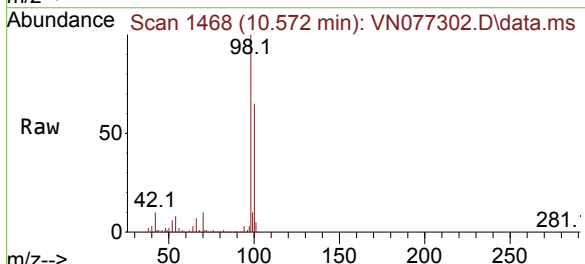
Instrument :
MSVOA_N
ClientSampleId :
JPP-3A-040723

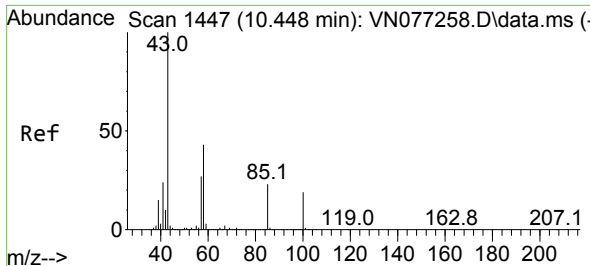
Tgt Ion: 88 Resp: 192
Ion Ratio Lower Upper
88 100
43 1093537.5 17.0 25.6#
58 4887.0 49.8 74.6#



#50
Toluene-d8
Concen: 48.993 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion: 98 Resp: 1196191
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9

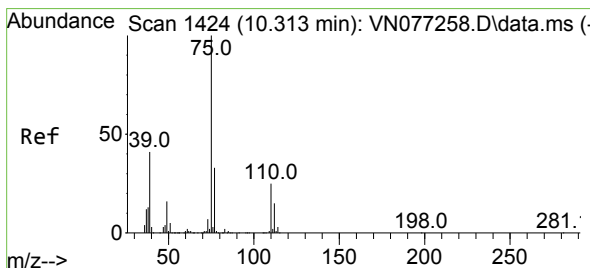
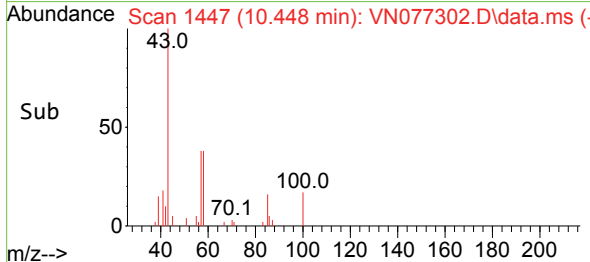
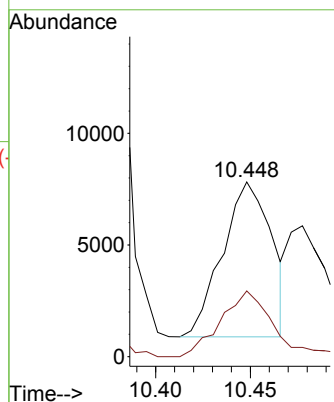
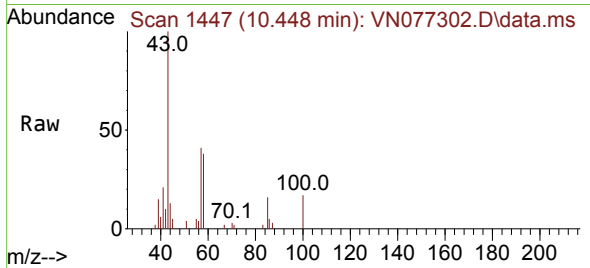




#51
4-Methyl-2-Pentanone
Concen: 1.463 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

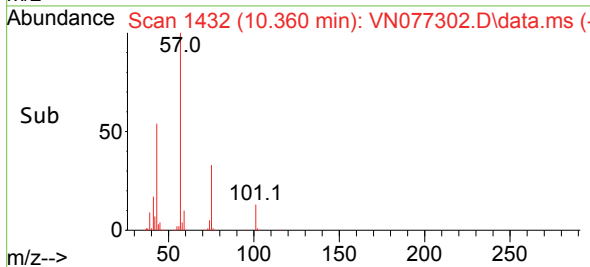
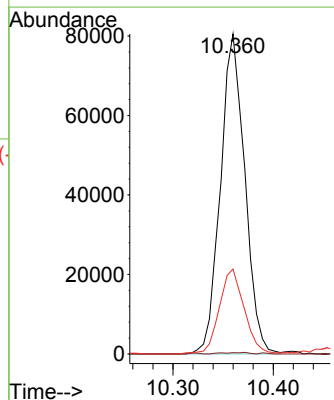
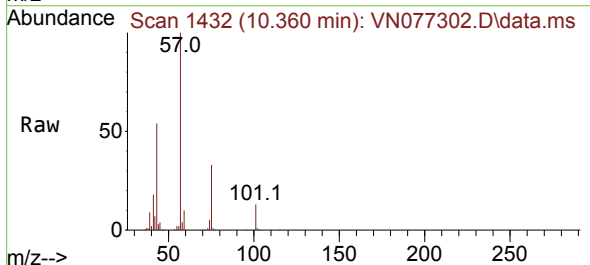
Instrument :
MSVOA_N
ClientSampleId :
JPP-3A-040723

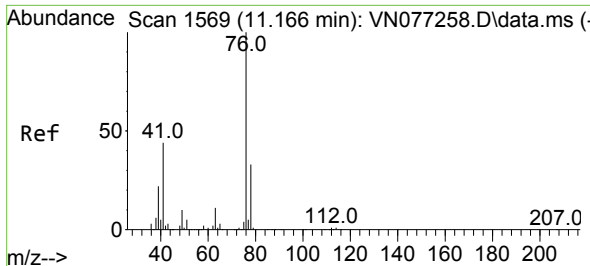
Tgt Ion: 43 Resp: 12520
Ion Ratio Lower Upper
43 100
58 46.0 34.6 52.0



#54
cis-1,3-Dichloropropene
Concen: 11.741 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion: 75 Resp: 135899
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 26.5 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 1.131 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN077302.D

Acq: 11 Apr 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

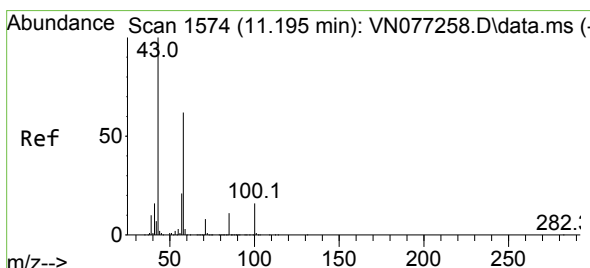
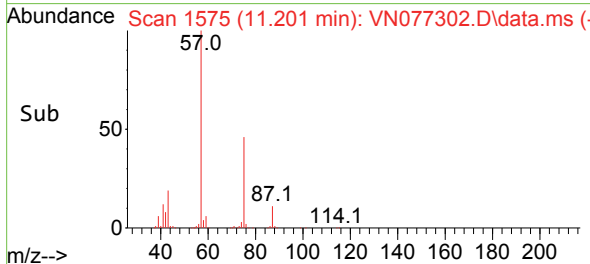
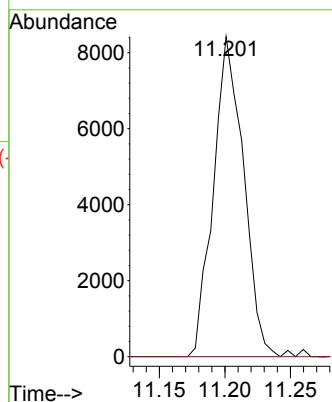
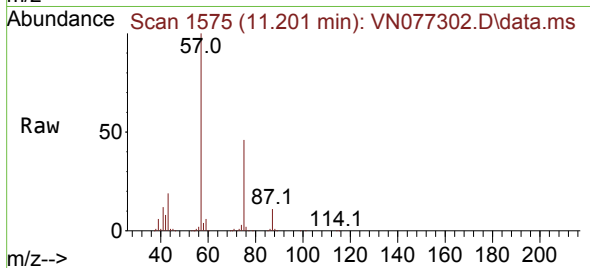
JPP-3A-040723

Tgt Ion: 76 Resp: 13436

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 45.834 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN077302.D

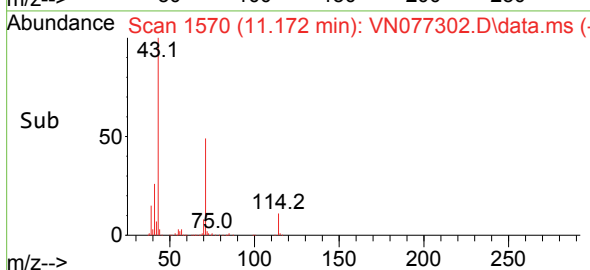
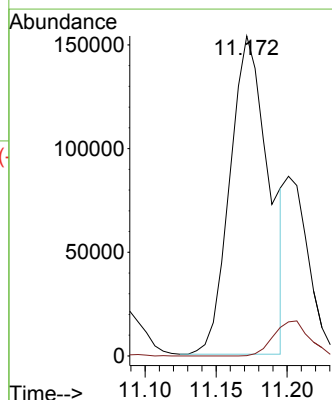
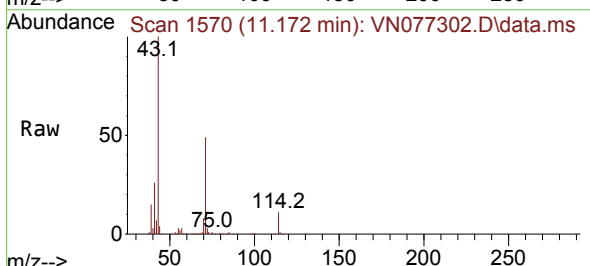
Acq: 11 Apr 2023 14:11

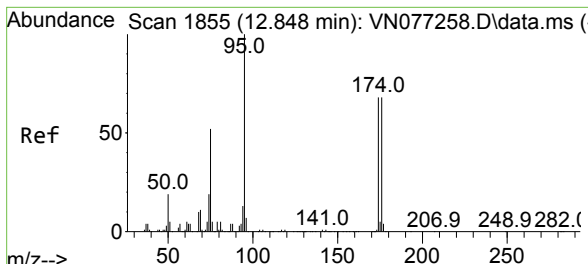
Tgt Ion: 43 Resp: 292292

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

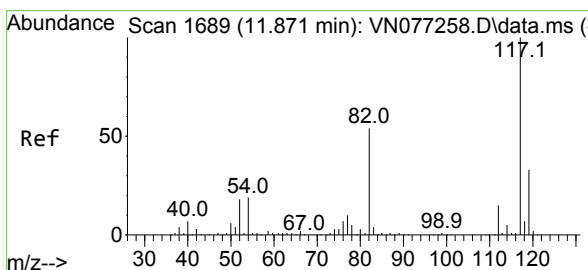
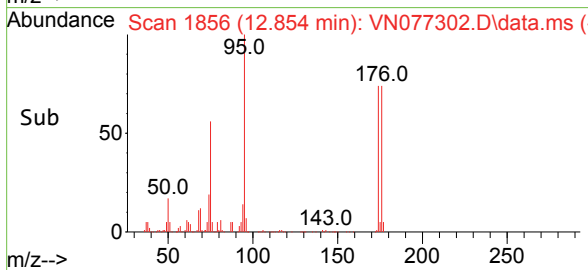
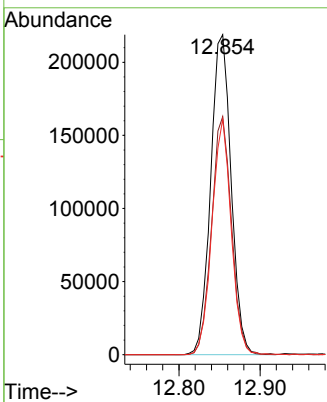
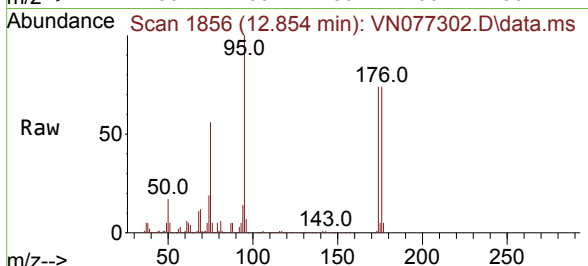




#62
4-Bromofluorobenzene
Concen: 47.290 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

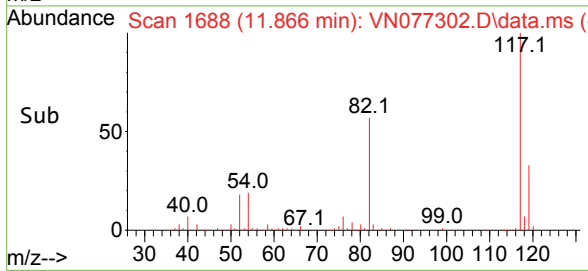
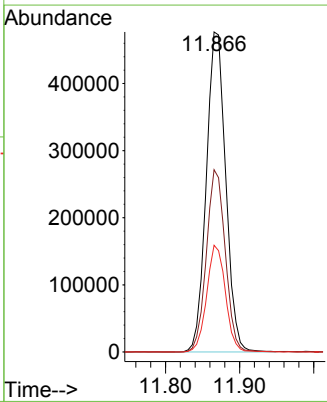
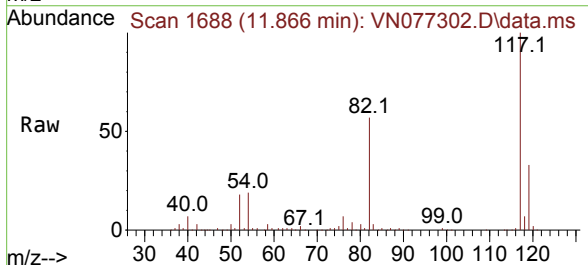
Instrument :
MSVOA_N
ClientSampleId :
JPP-3A-040723

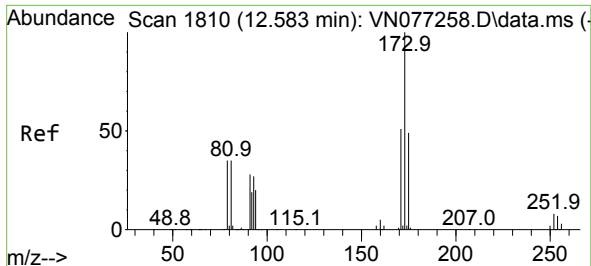
Tgt Ion:	95	Resp:	384008
Ion Ratio	Lower	Upper	
95	100		
174	72.3	0.0	146.8
176	69.1	0.0	139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion:	117	Resp:	867346
Ion Ratio	Lower	Upper	
117	100		
82	57.0	42.9	64.3
119	33.4	26.2	39.4

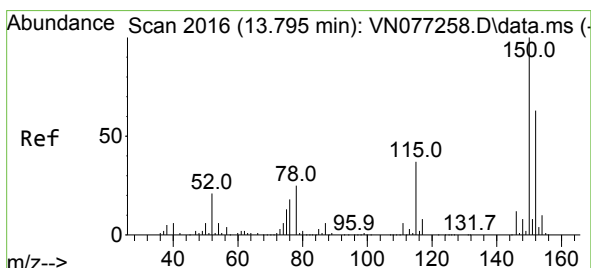
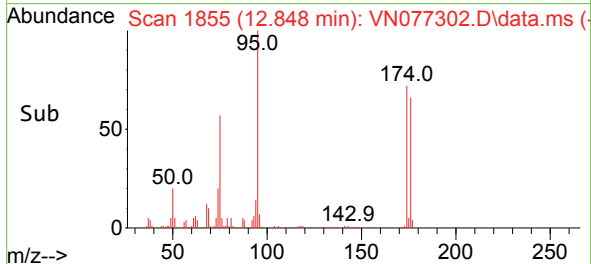
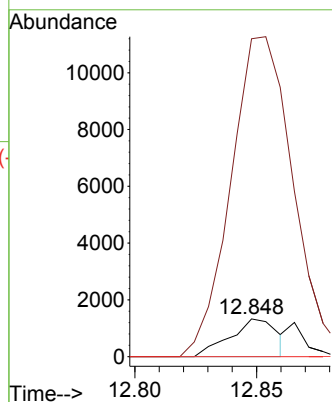
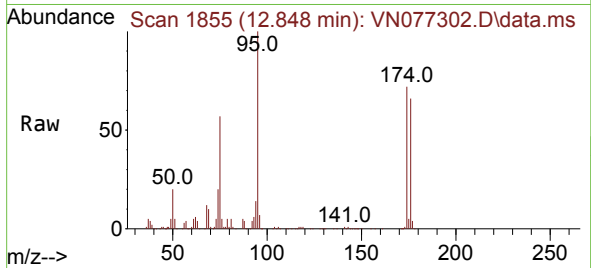




#71
Bromoform
Concen: 0.351 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

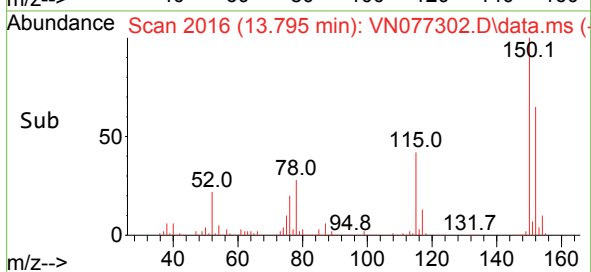
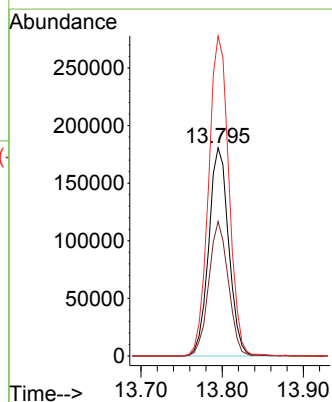
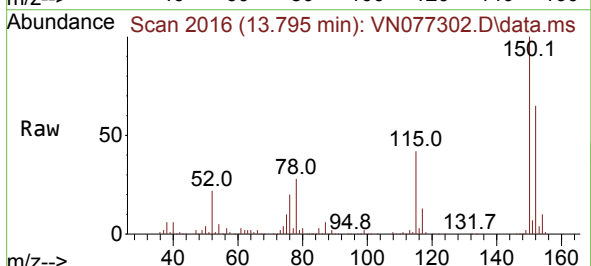
Instrument :
MSVOA_N
ClientSampleId :
JPP-3A-040723

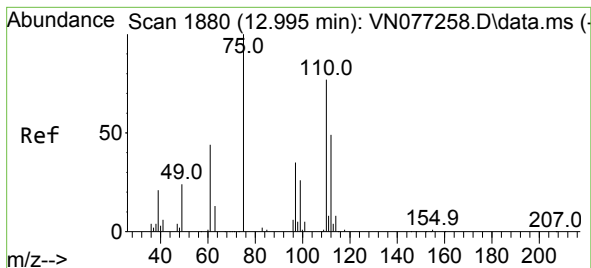
Tgt Ion:173 Resp: 1785
Ion Ratio Lower Upper
173 100
175 913.2 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077302.D
Acq: 11 Apr 2023 14:11

Tgt Ion:152 Resp: 308526
Ion Ratio Lower Upper
152 100
115 63.5 32.1 96.3
150 156.4 0.0 354.8





#76

1,2,3-Trichloropropane

Concen: 28.451 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077302.D

Acq: 11 Apr 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

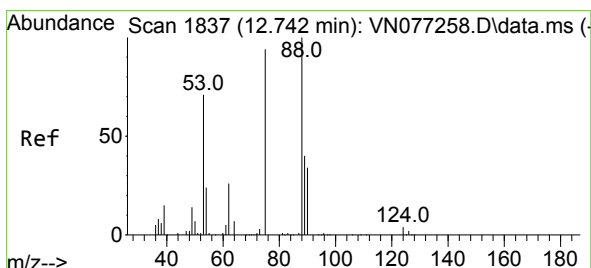
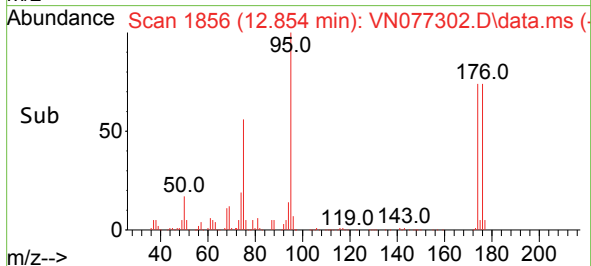
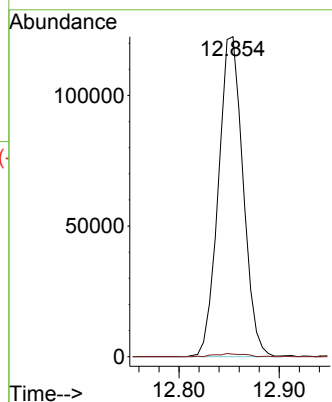
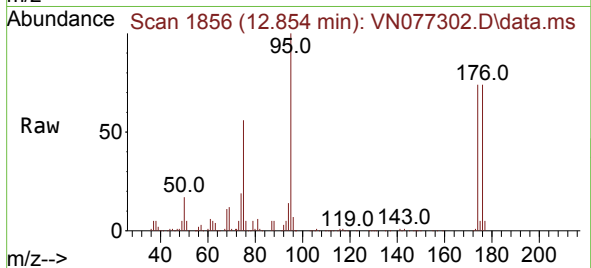
JPP-3A-040723

Tgt Ion: 75 Resp: 209024

Ion Ratio Lower Upper

75 100

77 1.2 88.3 264.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.024 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077302.D

Acq: 11 Apr 2023 14:11

Tgt Ion: 75 Resp: 209024

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.1 37.4 56.2#

