

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076584.D
 Acq On : 08 Feb 2023 16:58
 Operator : JC\MD
 Sample : 01418-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-20-020223

Quant Time: Feb 09 00:51:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 09:04:43 2023
 Response via : Initial Calibration

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

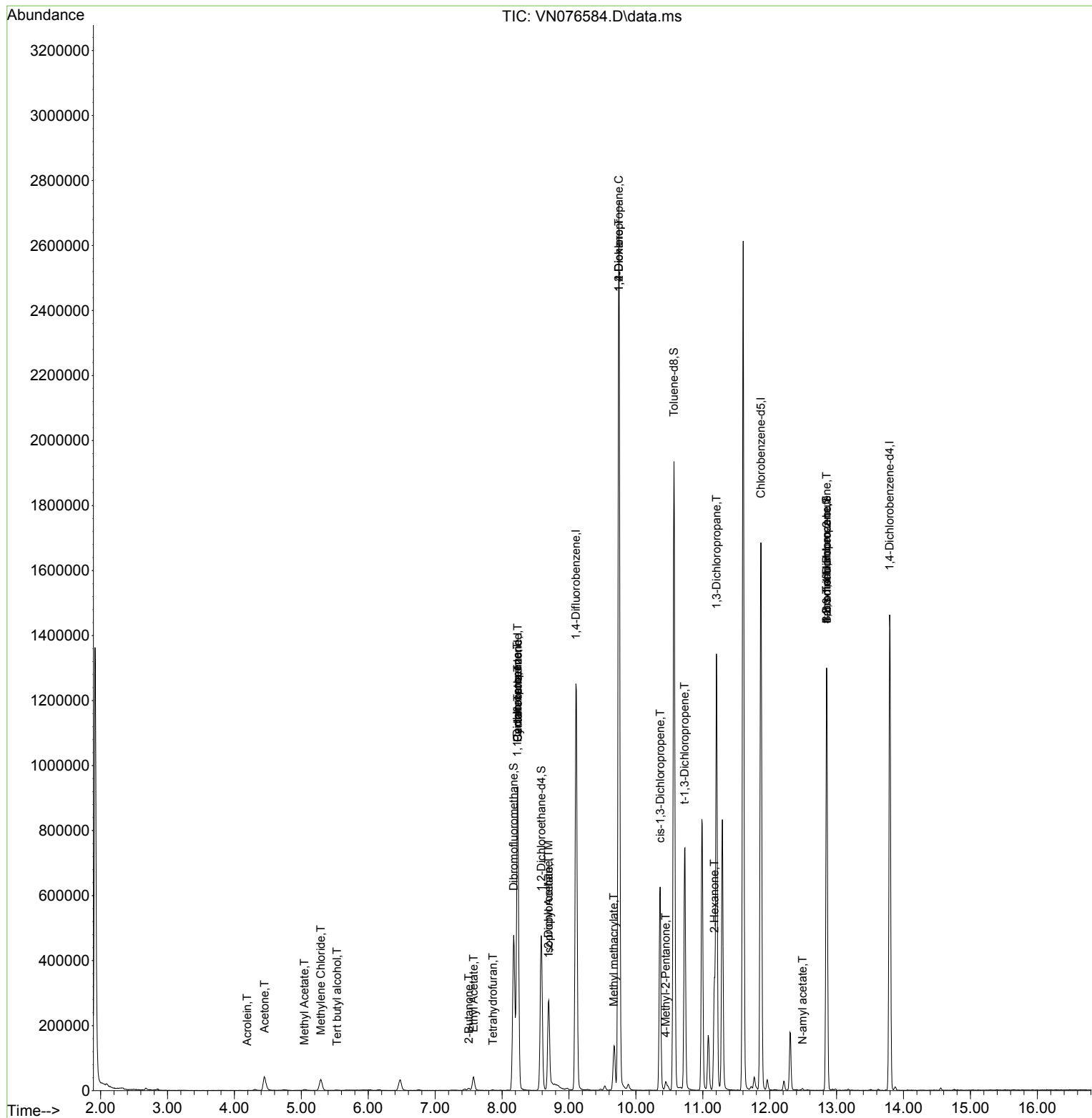
Internal Standards						
1) Pentafluorobenzene	8.233	168	706095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.104	114	1180993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.869	117	1048867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.792	152	417463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.586	65	394101	47.288	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.580%		
35) Dibromofluoromethane	8.175	113	352063	47.956	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.920%		
50) Toluene-d8	10.569	98	1383666	50.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.200%		
62) 4-Bromofluorobenzene	12.851	95	466487	47.944	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.880%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.534	59	2009	1.851	ug/l #	72
13) Acrolein	4.193	56	402	0.277	ug/l #	32
16) Acetone	4.451	43	79704	29.008	ug/l	95
18) Methyl Acetate	5.045	43	6431	0.740	ug/l	93
20) Methylene Chloride	5.293	84	29007	3.425	ug/l	97
25) 2-Butanone	7.504	43	9932	2.515	ug/l	89
29) Tetrahydrofuran	7.863	42	1112	0.438	ug/l #	76
31) Cyclohexane	8.233	56	12824	0.974	ug/l #	1
36) 1,1-Dichloropropene	8.228	75	52802	5.037	ug/l #	49
37) Ethyl Acetate	7.575	43	61511	7.833	ug/l	98
38) Carbon Tetrachloride	8.233	117	72189	6.405	ug/l #	16
42) 1,2-Dichloroethane	8.692	62	2527	0.244	ug/l #	71
43) Isopropyl Acetate	8.698	43	317033	24.261	ug/l #	87
45) 1,2-Dichloropropane	9.745	63	3910	0.512	ug/l #	42
48) Methyl methacrylate	9.669	41	7582	1.180	ug/l #	35
49) 1,4-Dioxane	9.745	88	533	3.877	ug/l #	1
51) 4-Methyl-2-Pentanone	10.445	43	25786	3.283	ug/l #	78
53) t-1,3-Dichloropropene	10.727	75	2319	0.217	ug/l	92
54) cis-1,3-Dichloropropene	10.363	75	128330	10.521	ug/l #	61
57) 1,3-Dichloropropane	11.204	76	15406	1.185	ug/l #	42
59) 2-Hexanone	11.174	43	270778	48.362	ug/l #	18
71) Bromoform	12.851	173	1860	0.332	ug/l #	1
74) N-amyl acetate	12.492	43	3513	0.368	ug/l #	39
76) 1,2,3-Trichloropropane	12.851	75	226554	29.087	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.851	75	226554	89.316	ug/l #	10

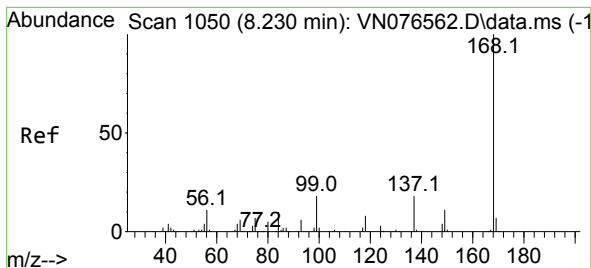
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 08 09:04:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.233 min Scan# 1

Delta R.T. 0.003 min

Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

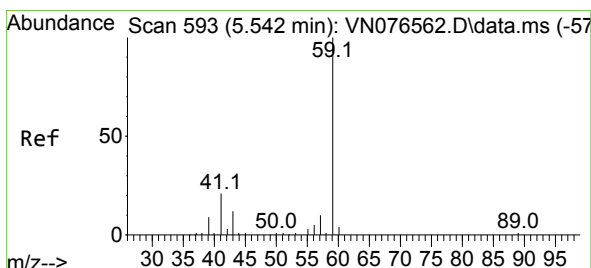
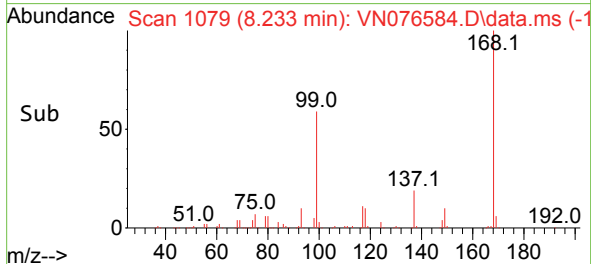
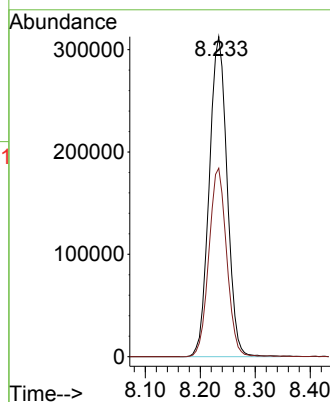
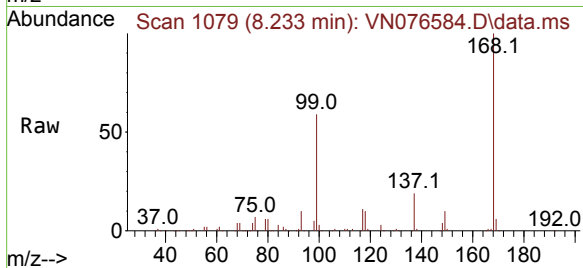
JPP-20-020223

Tgt Ion:168 Resp: 706095

Ion Ratio Lower Upper

168 100

99 58.9 47.8 71.8



#11

Tert butyl alcohol

Concen: 1.851 ug/l

RT: 5.534 min Scan# 620

Delta R.T. -0.008 min

Lab File: VN076584.D

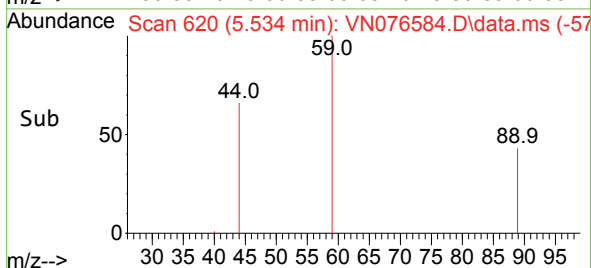
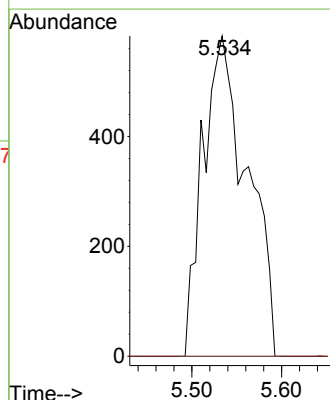
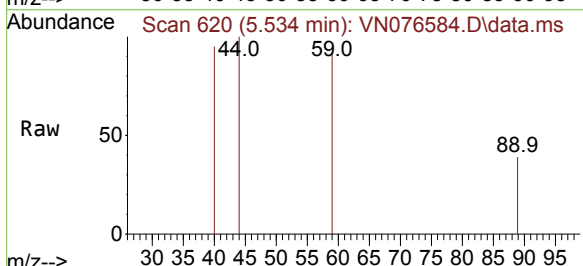
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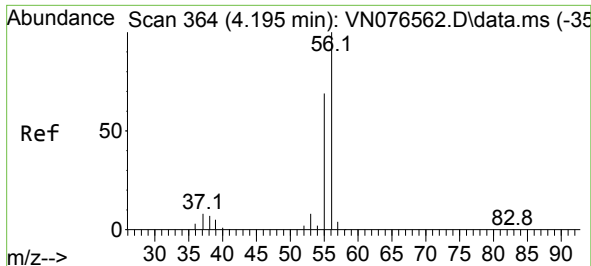
Tgt Ion: 59 Resp: 2009

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

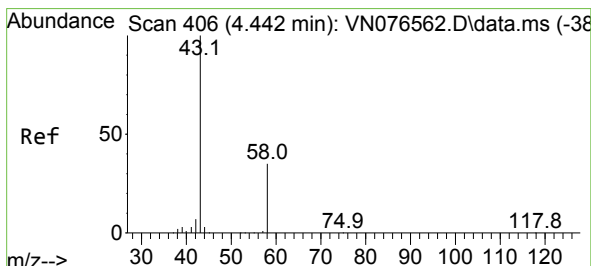
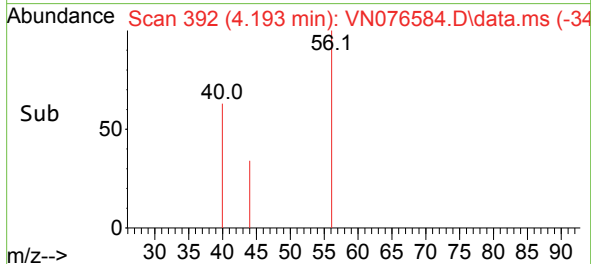
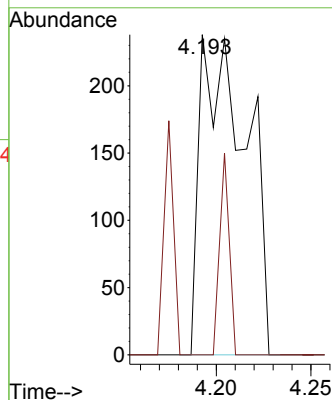
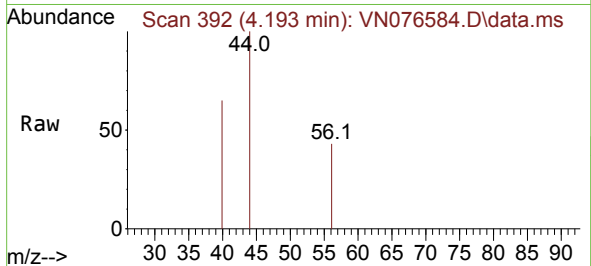




#13
Acrolein
Concen: 0.277 ug/l
RT: 4.193 min Scan# 364
Delta R.T. -0.002 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

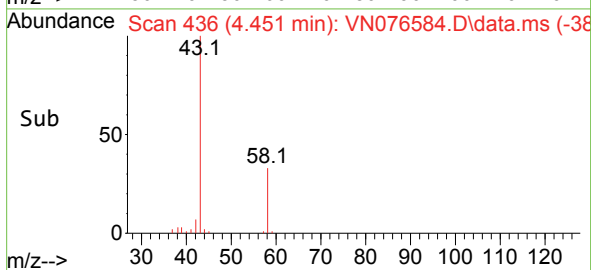
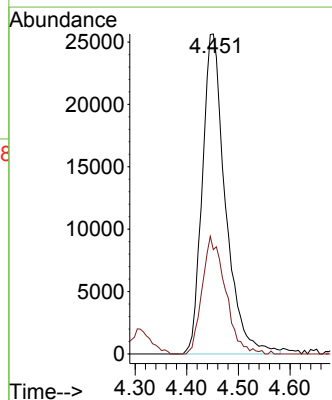
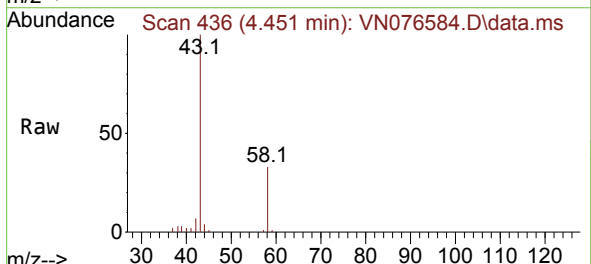
Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

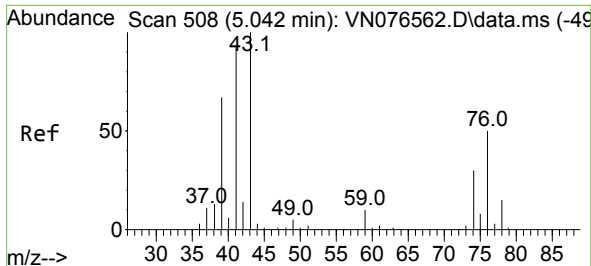
Tgt Ion: 56 Resp: 402
Ion Ratio Lower Upper
56 100
55 13.2 54.7 82.1#



#16
Acetone
Concen: 29.008 ug/l
RT: 4.451 min Scan# 436
Delta R.T. 0.009 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Tgt Ion: 43 Resp: 79704
Ion Ratio Lower Upper
43 100
58 32.6 28.4 42.6

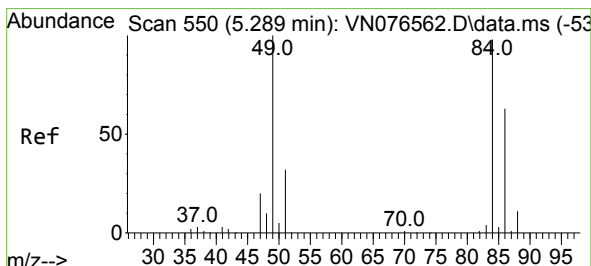
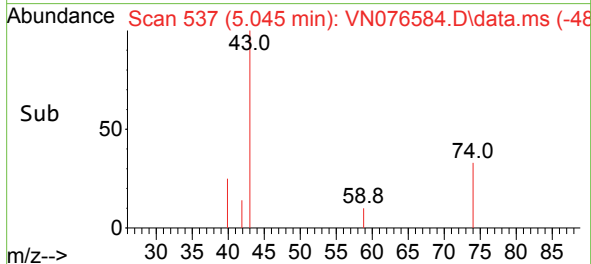
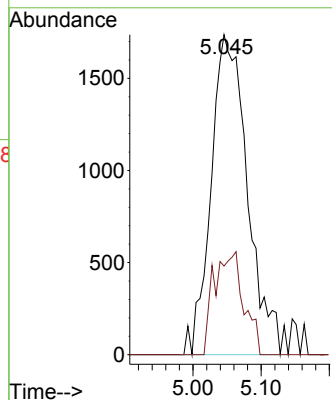
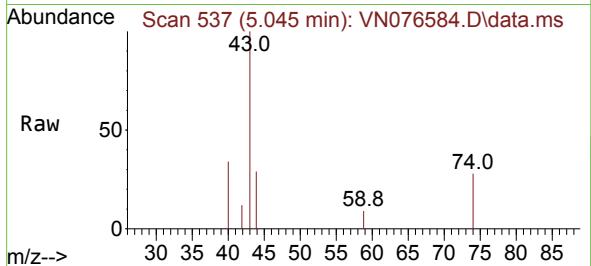




#18
Methyl Acetate
Concen: 0.740 ug/l
RT: 5.045 min Scan# 51
Delta R.T. 0.003 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

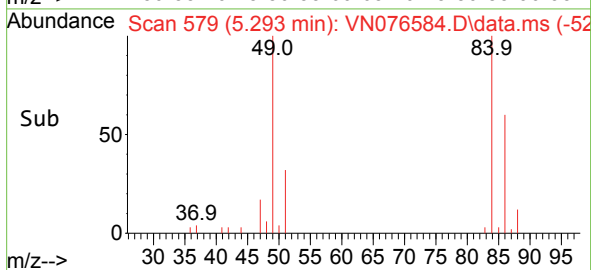
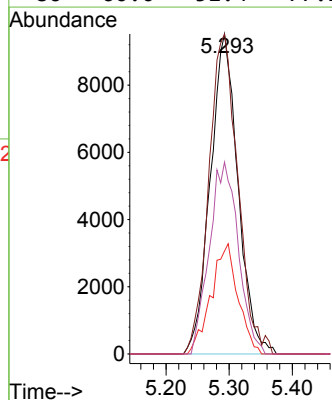
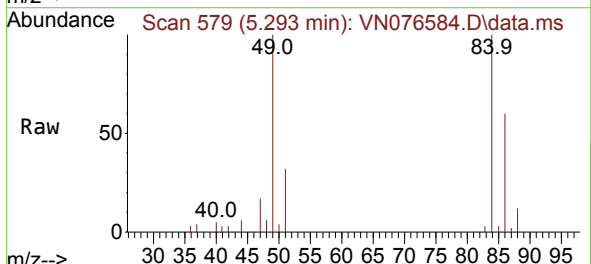
Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

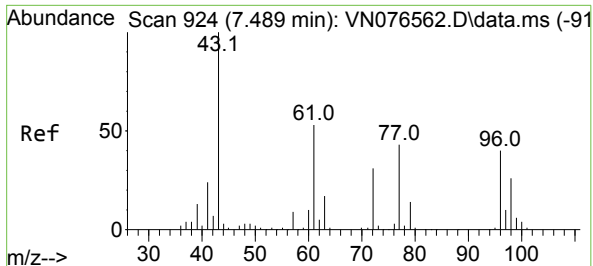
Tgt Ion: 43 Resp: 6431
Ion Ratio Lower Upper
43 100
74 26.3 23.9 35.9



#20
Methylene Chloride
Concen: 3.425 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.004 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Tgt Ion: 84 Resp: 29007
Ion Ratio Lower Upper
84 100
49 99.9 82.0 123.0
51 32.2 26.0 39.0
86 60.0 51.4 77.2





#25

2-Butanone

Concen: 2.515 ug/l

RT: 7.504 min Scan# 91

Delta R.T. 0.015 min

Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

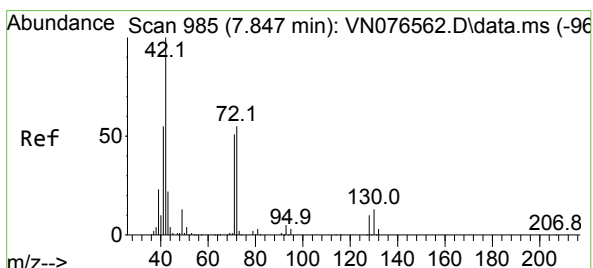
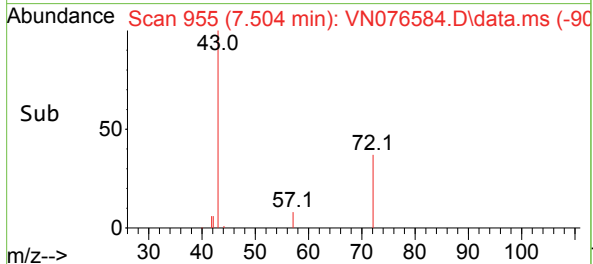
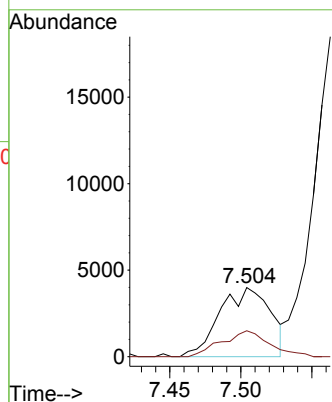
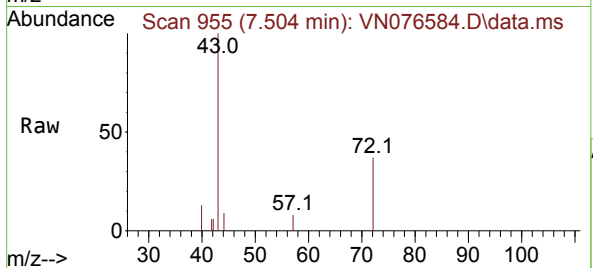
JPP-20-020223

Tgt Ion: 43 Resp: 9932

Ion Ratio Lower Upper

43 100

72 37.4 25.1 37.7



#29

Tetrahydrofuran

Concen: 0.438 ug/l

RT: 7.863 min Scan# 1016

Delta R.T. 0.016 min

Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

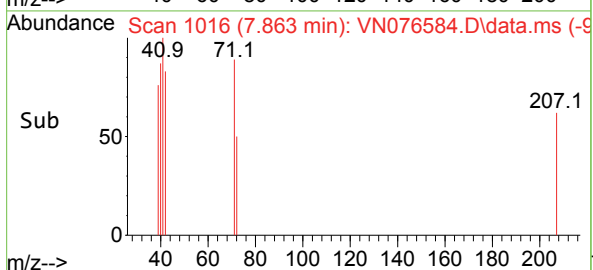
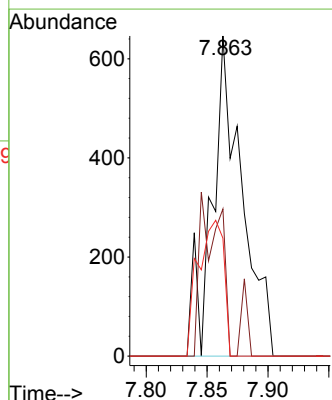
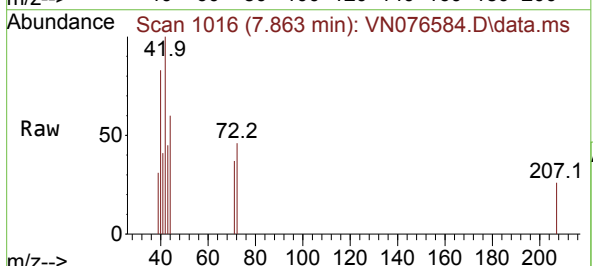
Tgt Ion: 42 Resp: 1112

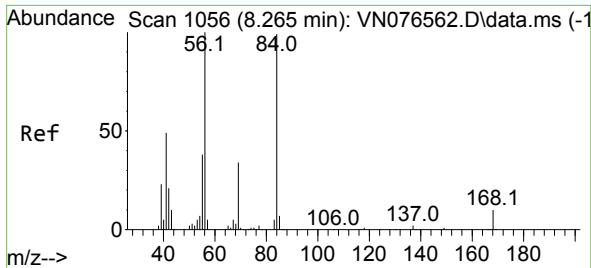
Ion Ratio Lower Upper

42 100

72 34.2 42.9 64.3#

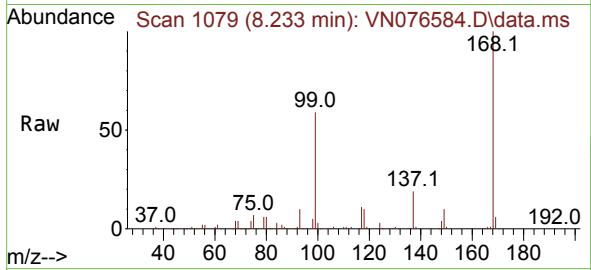
71 36.1 39.9 59.9#



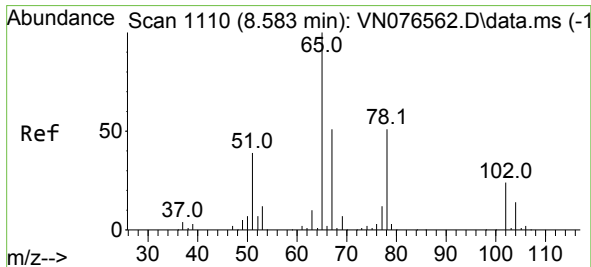
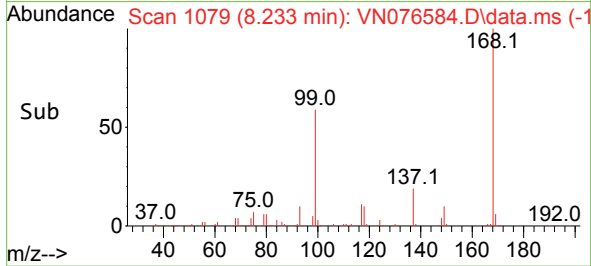
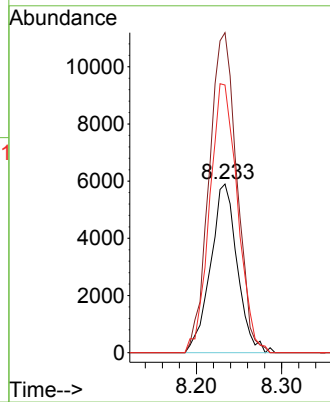


#31
Cyclohexane
Concen: 0.974 ug/l
RT: 8.233 min Scan# 1107
Delta R.T. -0.032 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

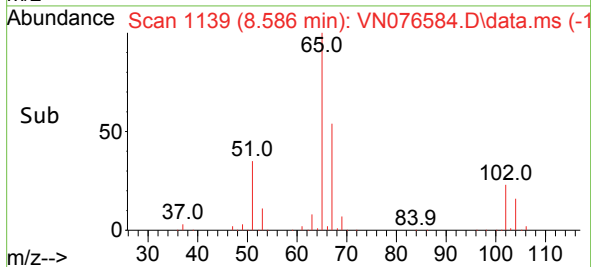
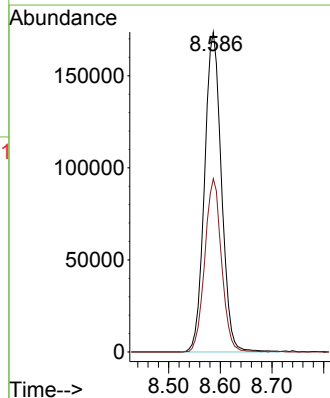
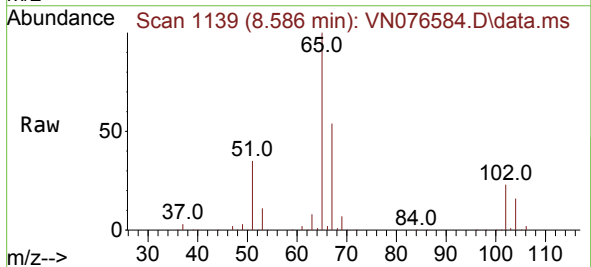


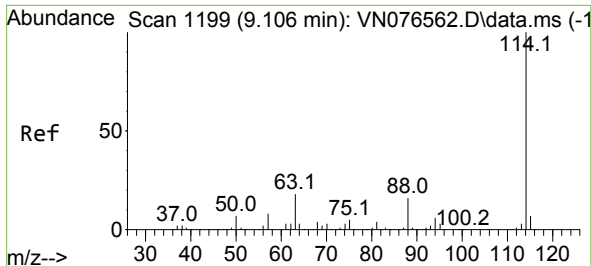
Tgt Ion: 56 Resp: 12824
Ion Ratio Lower Upper
56 100
69 189.8 27.0 40.4#
84 158.8 79.5 119.3#



#33
1,2-Dichloroethane-d4
Concen: 47.288 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. 0.003 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Tgt Ion: 65 Resp: 394101
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.104 min Scan# 1199

Delta R.T. -0.002 min

Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

JPP-20-020223

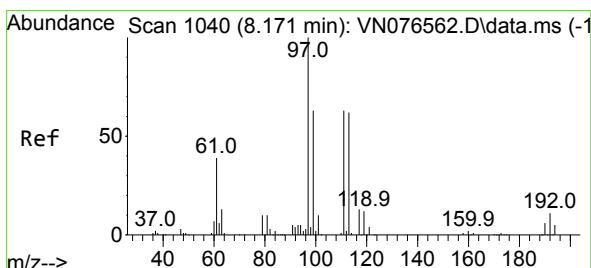
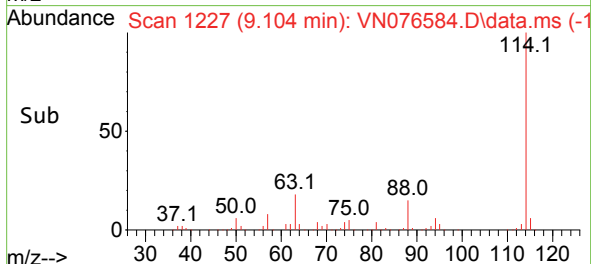
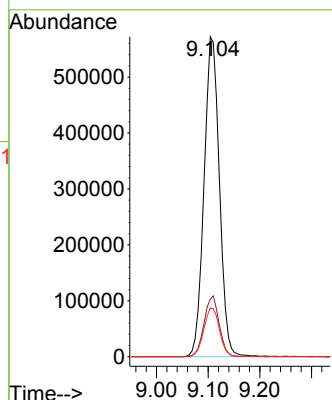
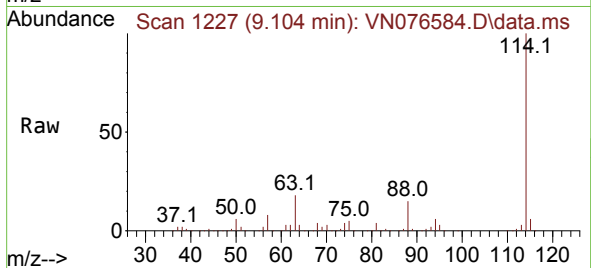
Tgt Ion:114 Resp: 1180993

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

88 15.2 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.956 ug/l

RT: 8.175 min Scan# 1069

Delta R.T. 0.004 min

Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

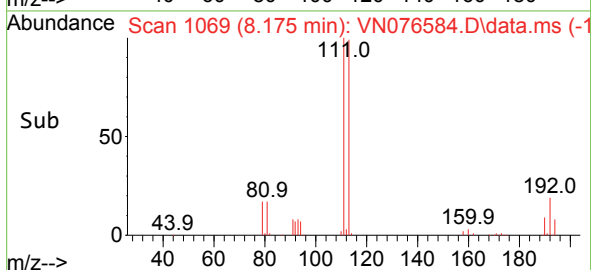
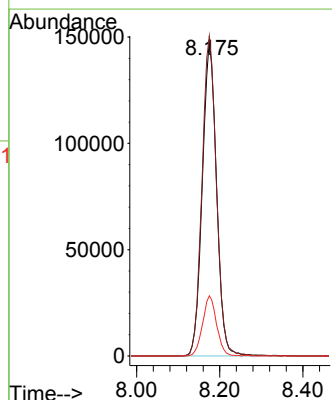
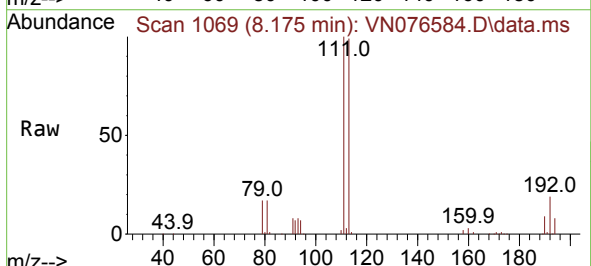
Tgt Ion:113 Resp: 352063

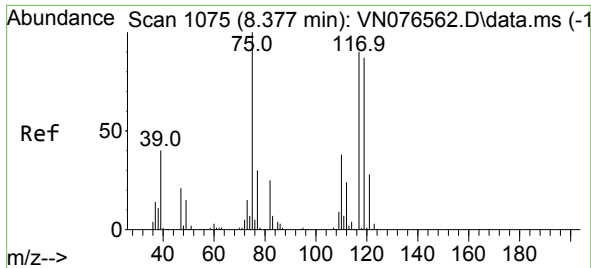
Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 18.7 14.8 22.2

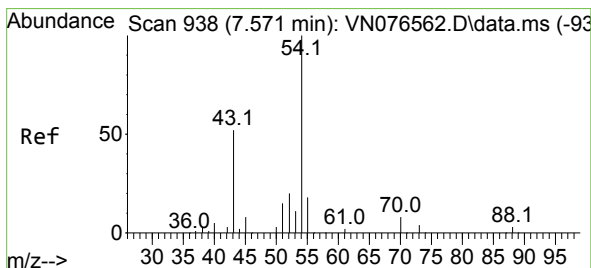
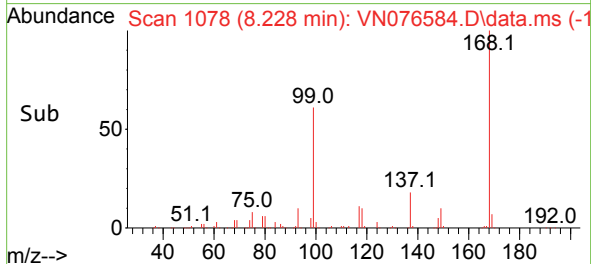
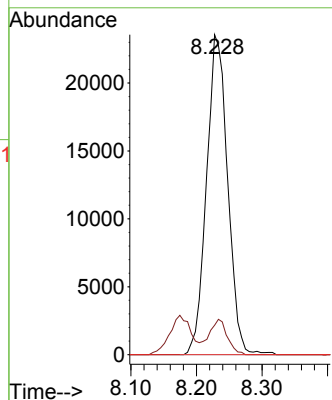
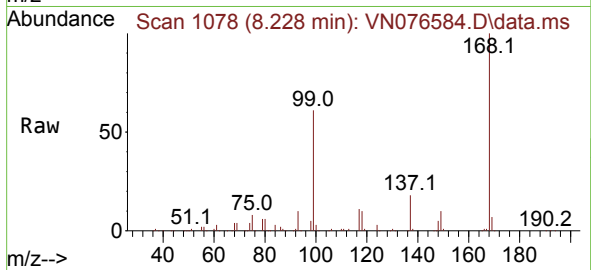




#36
1,1-Dichloropropene
Concen: 5.037 ug/l
RT: 8.228 min Scan# 11
Delta R.T. -0.149 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

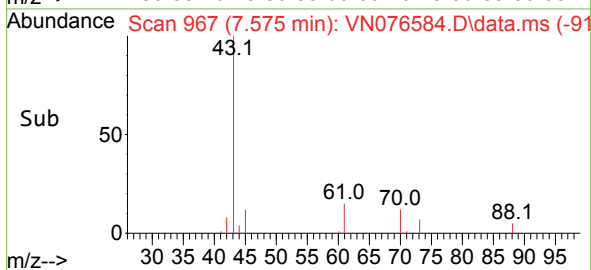
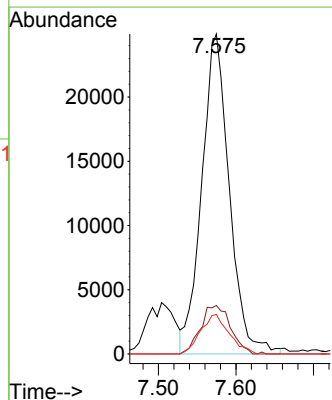
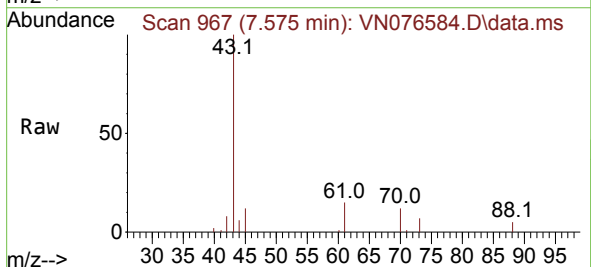
Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

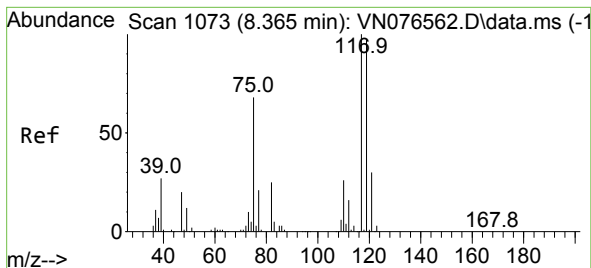
Tgt Ion: 75 Resp: 52802
Ion Ratio Lower Upper
75 100
110 9.6 18.6 55.6#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.833 ug/l
RT: 7.575 min Scan# 967
Delta R.T. 0.004 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Tgt Ion: 43 Resp: 61511
Ion Ratio Lower Upper
43 100
61 16.4 11.8 17.6
70 12.8 10.4 15.6





#38

Carbon Tetrachloride

Concen: 6.405 ug/l

RT: 8.233 min Scan# 1107

Delta R.T. -0.132 min

Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

JPP-20-020223

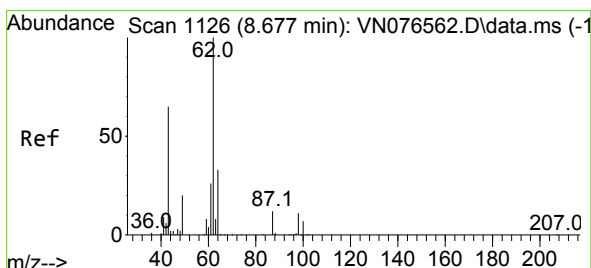
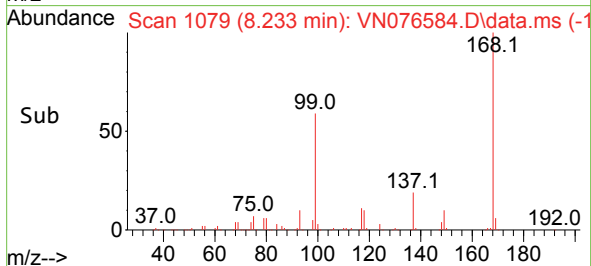
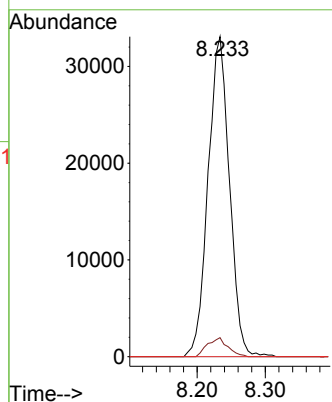
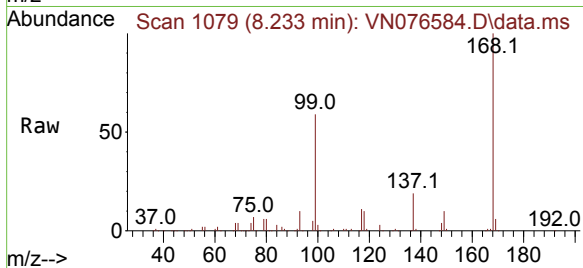
Tgt Ion:117 Resp: 72189

Ion Ratio Lower Upper

117 100

119 5.9 77.2 115.8#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.244 ug/l

RT: 8.692 min Scan# 1157

Delta R.T. 0.015 min

Lab File: VN076584.D

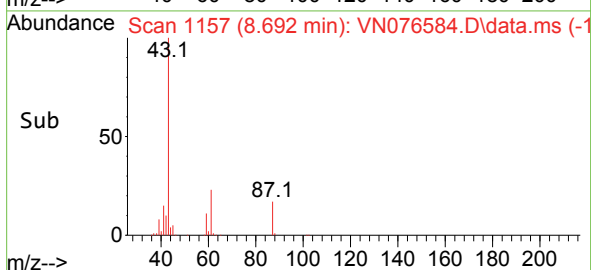
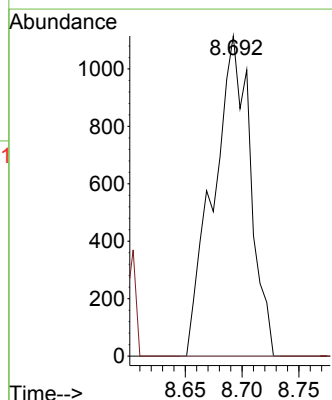
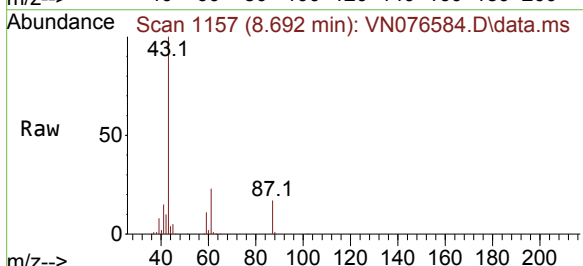
Acq: 08 Feb 2023 16:58

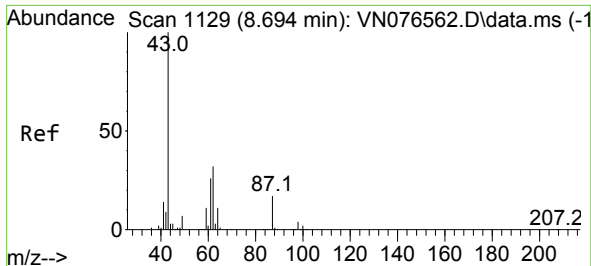
Tgt Ion: 62 Resp: 2527

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6

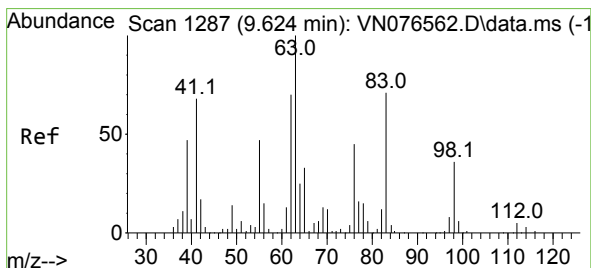
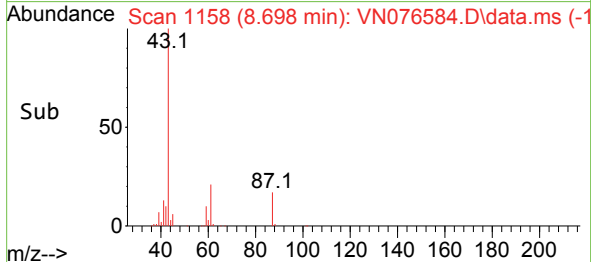
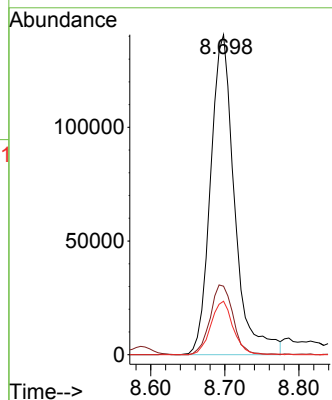
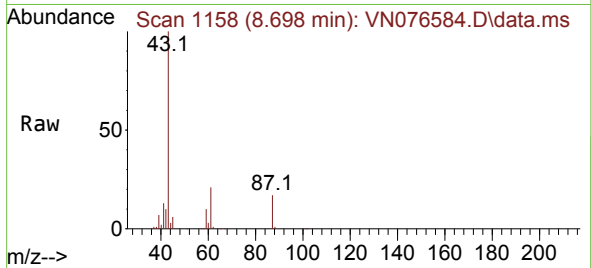




#43
Isopropyl Acetate
Concen: 24.261 ug/l
RT: 8.698 min Scan# 1158
Delta R.T. 0.004 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

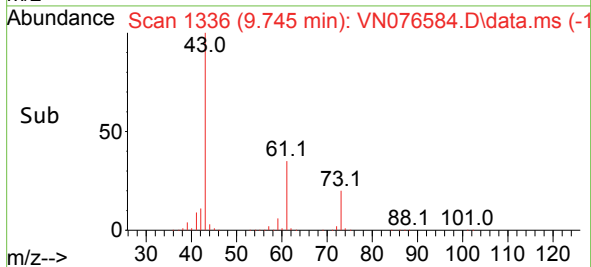
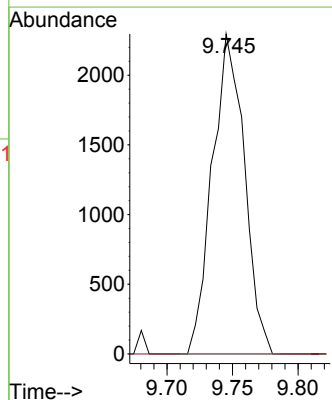
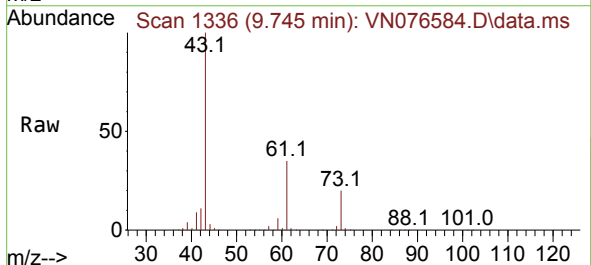
Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

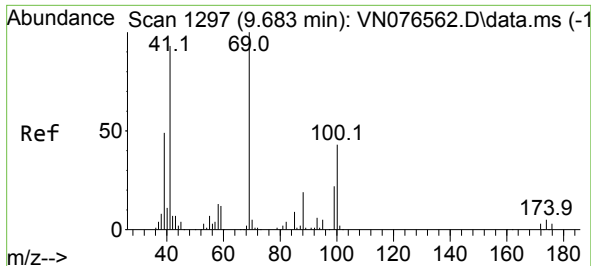
Tgt Ion: 43 Resp: 317033
Ion Ratio Lower Upper
43 100
61 20.8 24.5 36.7#
87 15.5 13.6 20.4



#45
1,2-Dichloropropane
Concen: 0.512 ug/l
RT: 9.745 min Scan# 1336
Delta R.T. 0.121 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Tgt Ion: 63 Resp: 3910
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#

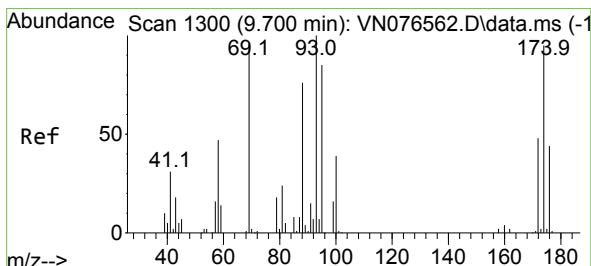
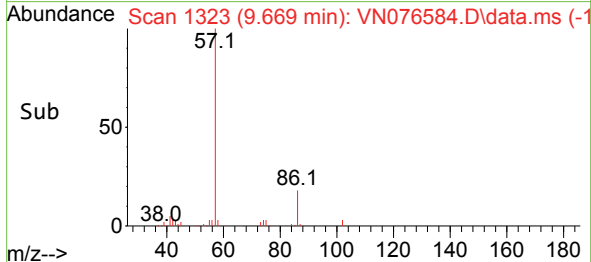
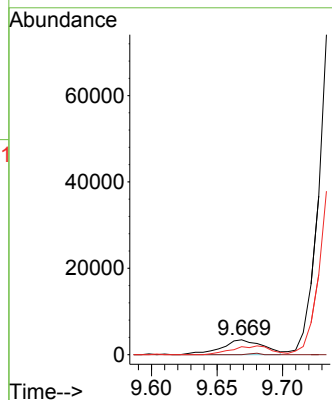
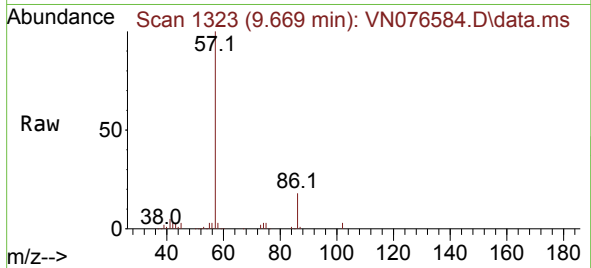




#48
Methyl methacrylate
Concen: 1.180 ug/l
RT: 9.669 min Scan# 11
Delta R.T. -0.014 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

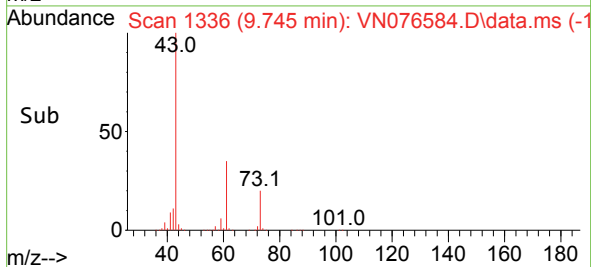
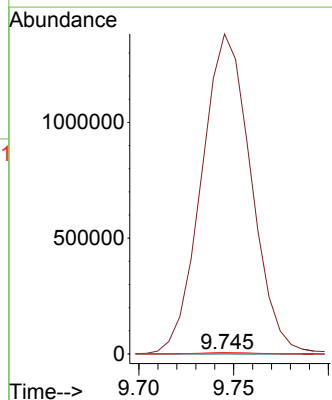
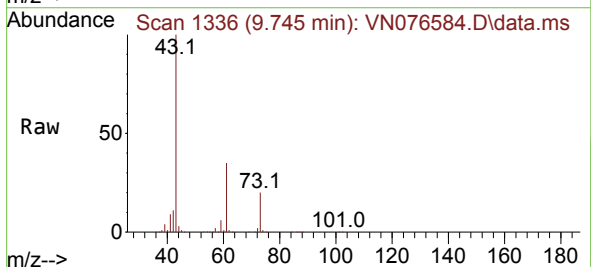
Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

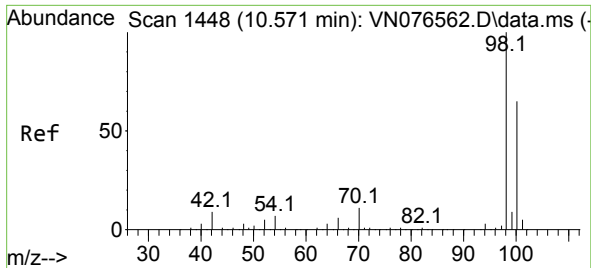
Tgt Ion: 41 Resp: 7582
Ion Ratio Lower Upper
41 100
69 2.4 83.0 124.4#
39 55.2 43.8 65.8



#49
1,4-Dioxane
Concen: 3.877 ug/l
RT: 9.745 min Scan# 1336
Delta R.T. 0.045 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Tgt Ion: 88 Resp: 533
Ion Ratio Lower Upper
88 100
43 475904.3 16.7 25.1#
58 2328.5 51.7 77.5#

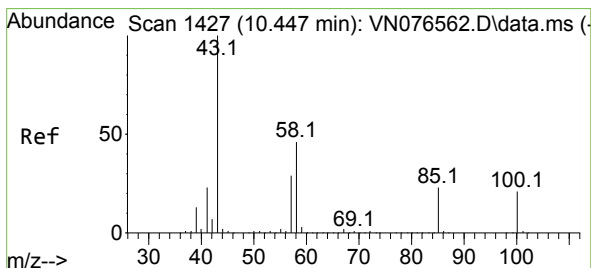
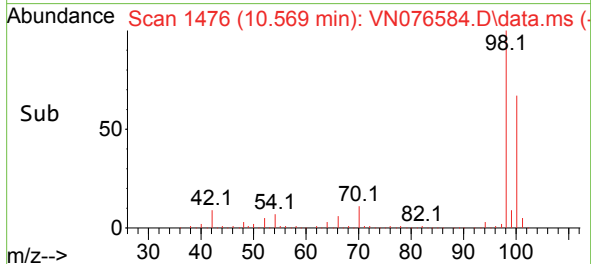
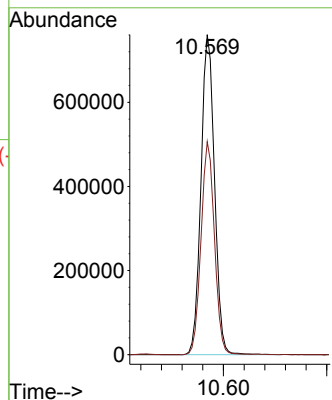
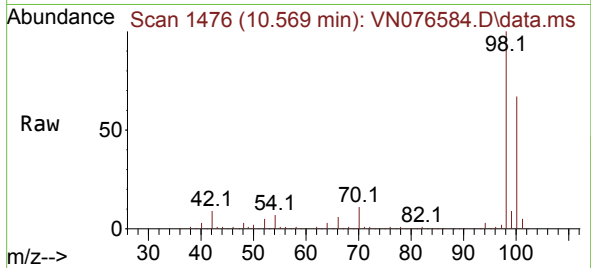




#50
Toluene-d8
Concen: 50.099 ug/l
RT: 10.569 min Scan# 1448
Delta R.T. -0.002 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

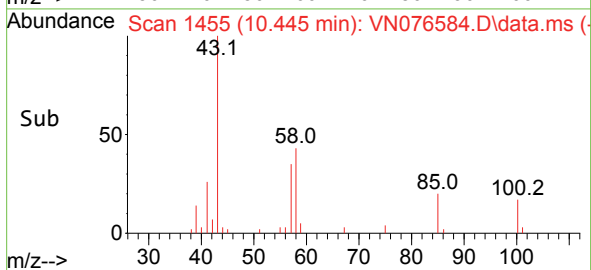
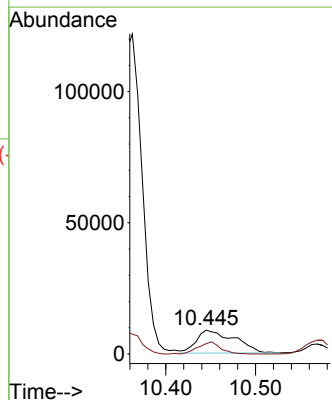
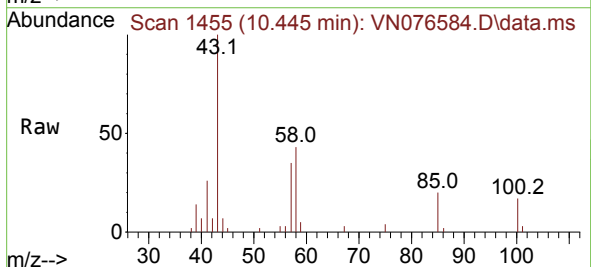
Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

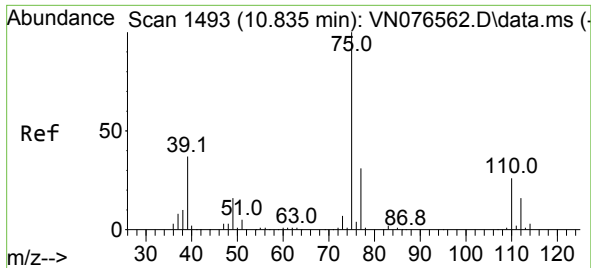
Tgt Ion: 98 Resp: 1383666
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 3.283 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.002 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Tgt Ion: 43 Resp: 25786
Ion Ratio Lower Upper
43 100
58 30.8 36.4 54.6#

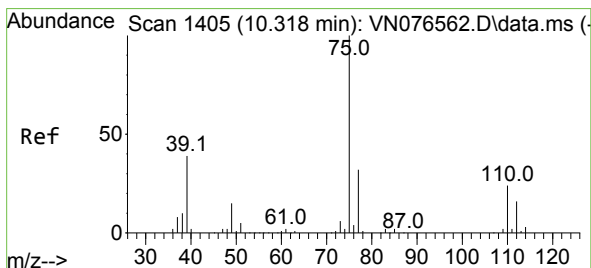
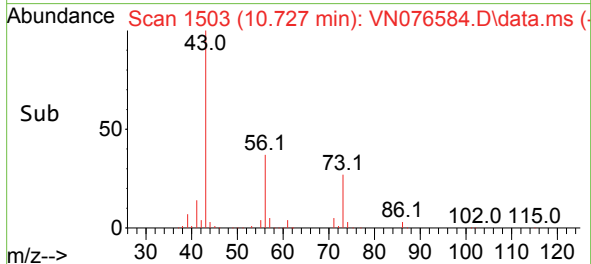
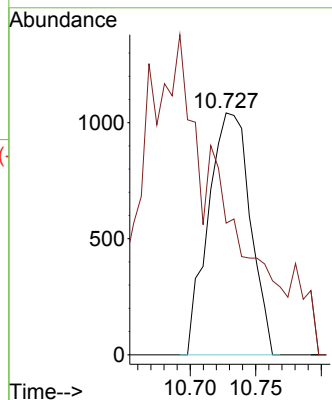
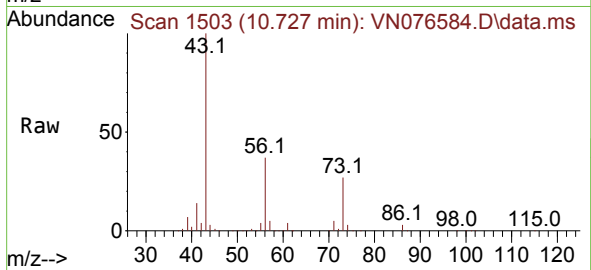




#53
 t-1,3-Dichloropropene
 Concen: 0.217 ug/l
 RT: 10.727 min Scan# 11
 Delta R.T. -0.108 min
 Lab File: VN076584.D
 Acq: 08 Feb 2023 16:58

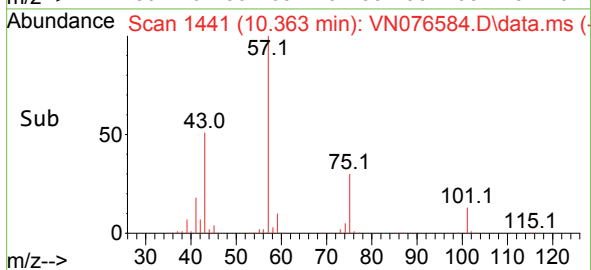
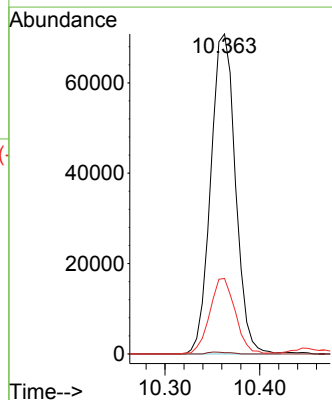
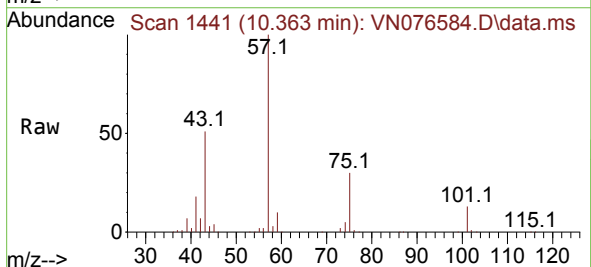
Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-20-020223

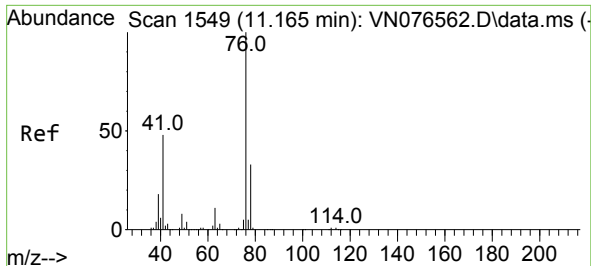
Tgt Ion: 75 Resp: 2319
 Ion Ratio Lower Upper
 75 100
 77 26.4 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 10.521 ug/l
 RT: 10.363 min Scan# 1441
 Delta R.T. 0.045 min
 Lab File: VN076584.D
 Acq: 08 Feb 2023 16:58

Tgt Ion: 75 Resp: 128330
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 23.6 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 1.185 ug/l

RT: 11.204 min Scan# 1584

Delta R.T. 0.039 min

Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

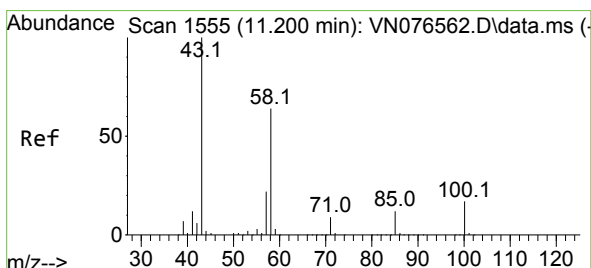
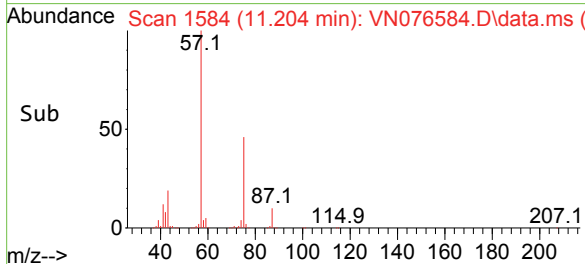
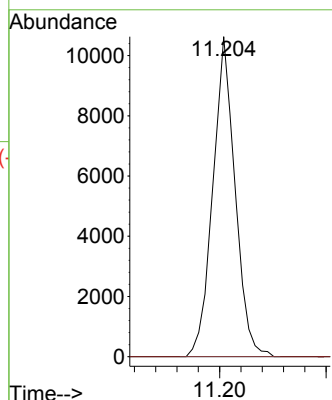
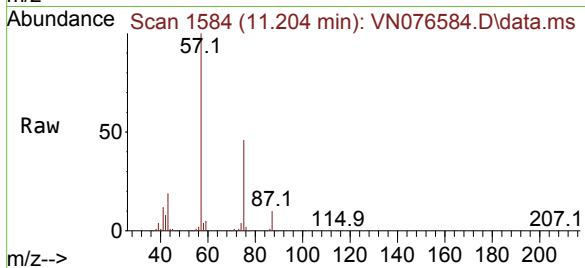
JPP-20-020223

Tgt Ion: 76 Resp: 15406

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 48.362 ug/l

RT: 11.174 min Scan# 1579

Delta R.T. -0.026 min

Lab File: VN076584.D

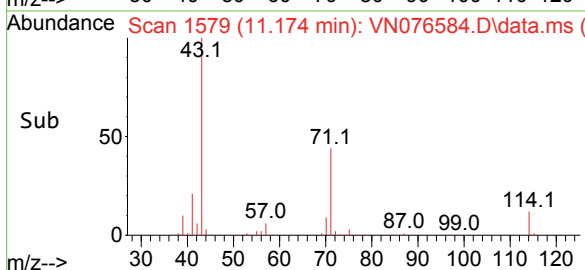
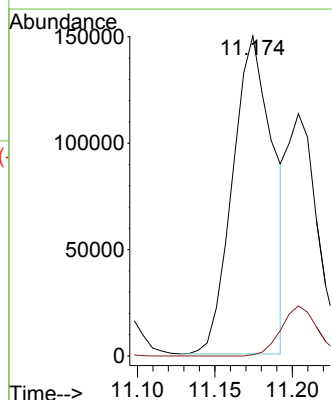
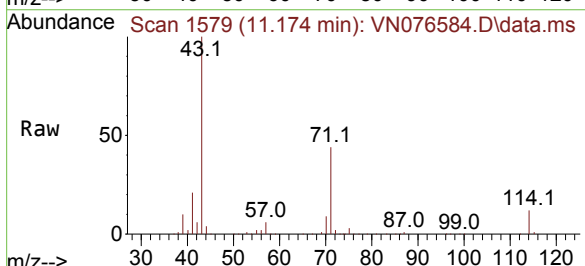
Acq: 08 Feb 2023 16:58

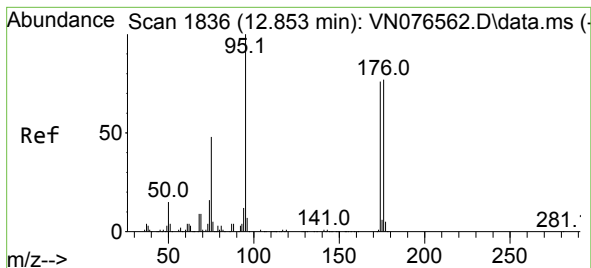
Tgt Ion: 43 Resp: 270778

Ion Ratio Lower Upper

43 100

58 0.0 31.8 95.4#

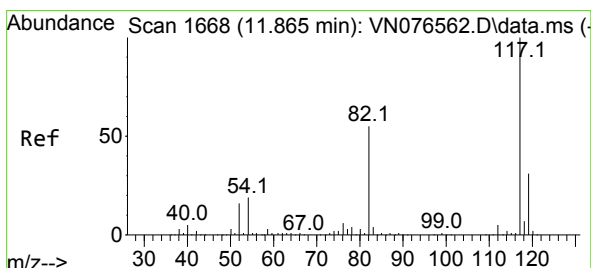
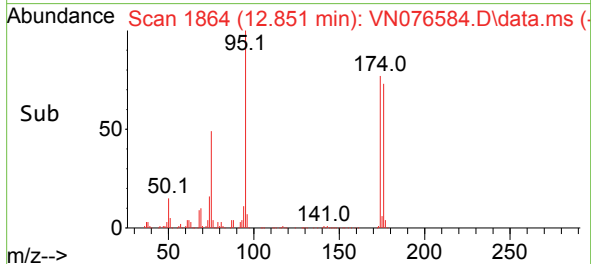
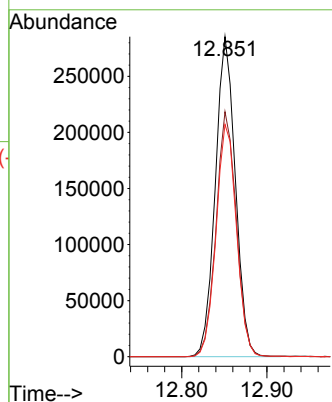
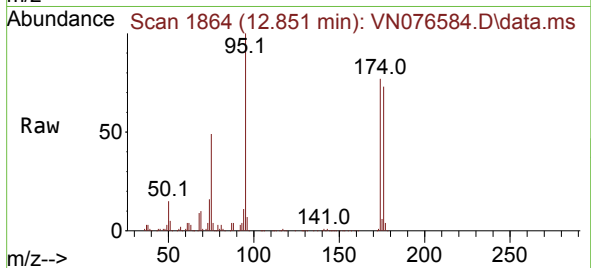




#62
4-Bromofluorobenzene
Concen: 47.944 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

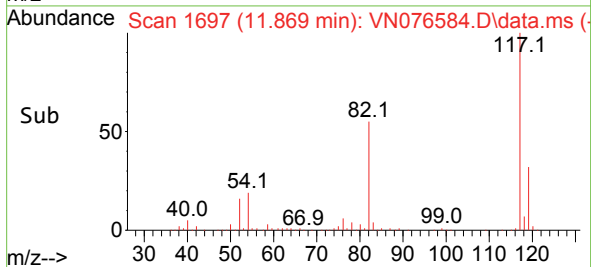
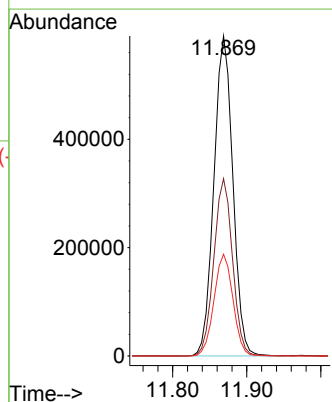
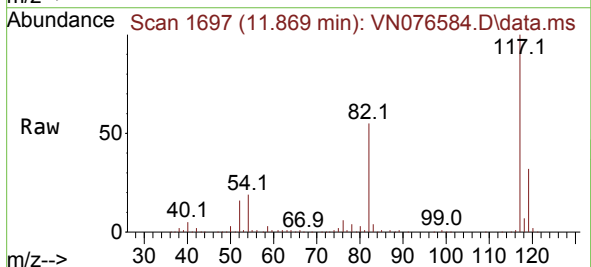
Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

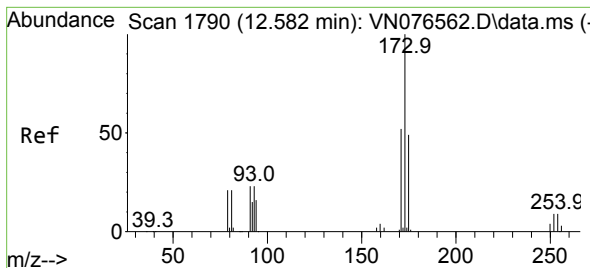
Tgt Ion: 95 Resp: 466487
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.0
176 73.9 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.869 min Scan# 1697
Delta R.T. 0.004 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Tgt Ion: 117 Resp: 1048867
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.4
119 31.8 25.1 37.7





#71

Bromoform

Concen: 0.332 ug/l

RT: 12.851 min Scan# 1

Delta R.T. 0.269 min

Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

Instrument :

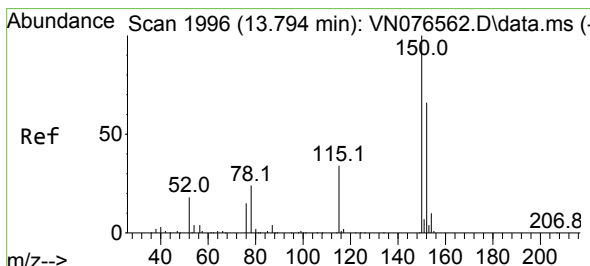
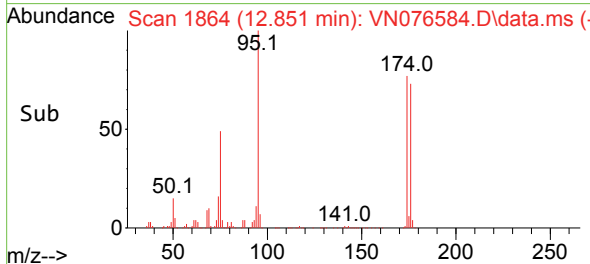
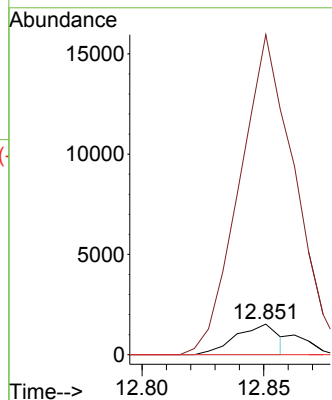
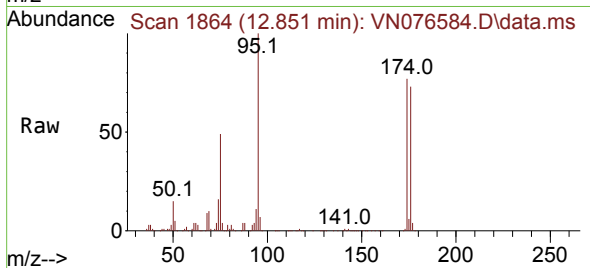
MSVOA_N

ClientSampleId :

JPP-20-020223

Tgt Ion:173 Resp: 1860

Ion	Ratio	Lower	Upper
173	100		
175	1025.2	24.8	74.3#
254	0.0	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.792 min Scan# 2024

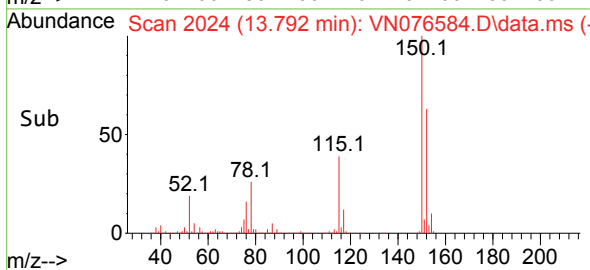
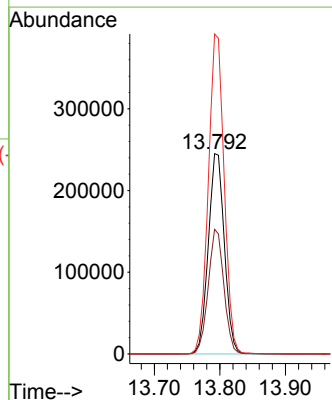
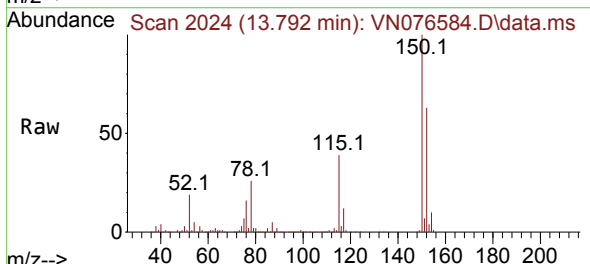
Delta R.T. -0.002 min

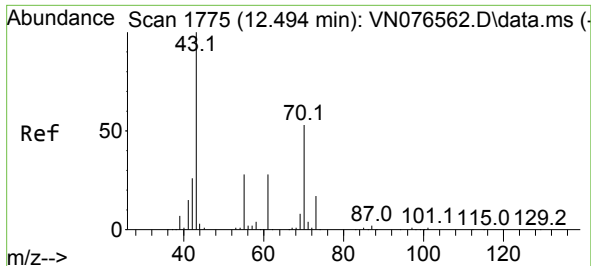
Lab File: VN076584.D

Acq: 08 Feb 2023 16:58

Tgt Ion:152 Resp: 417463

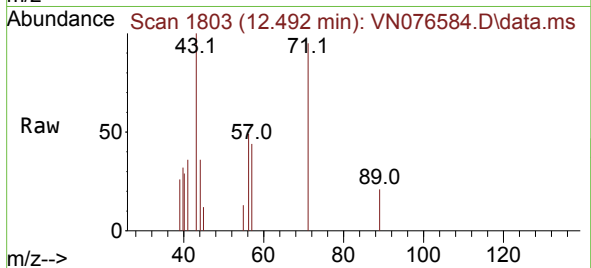
Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.8	92.3
150	157.6	0.0	348.8



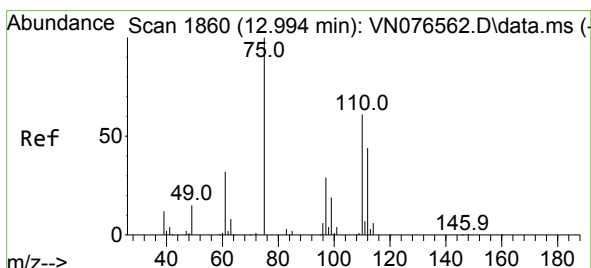
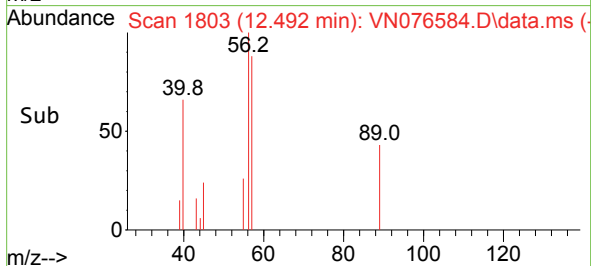
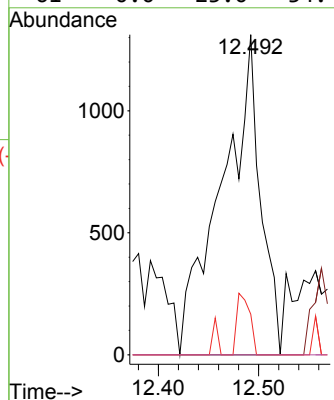


#74
N-amy1 acetate
Concen: 0.368 ug/l
RT: 12.492 min Scan# 1775
Delta R.T. -0.002 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

Instrument :
MSVOA_N
ClientSampleId :
JPP-20-020223

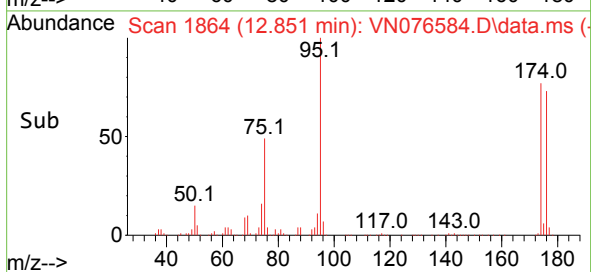
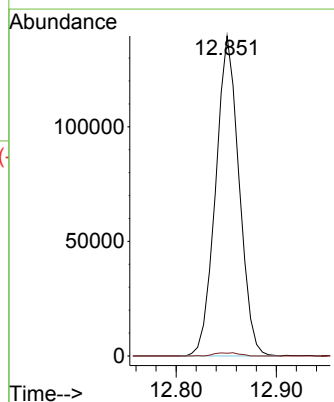
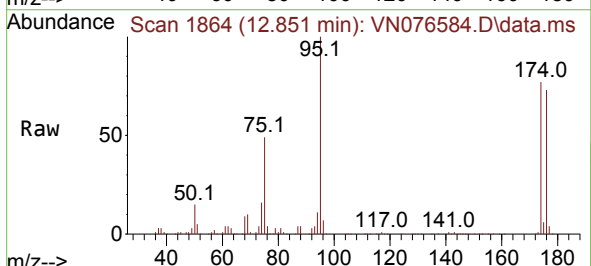


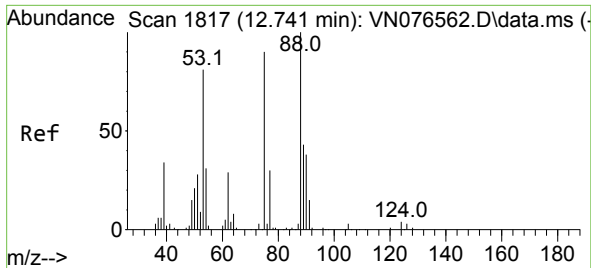
Tgt Ion: 43	Resp: 3513
Ion Ratio	Lower Upper
43 100	
70 0.0	43.1 64.7#
55 6.4	22.4 33.6#
61 0.0	23.0 34.4#



#76
1,2,3-Trichloropropane
Concen: 29.087 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.143 min
Lab File: VN076584.D
Acq: 08 Feb 2023 16:58

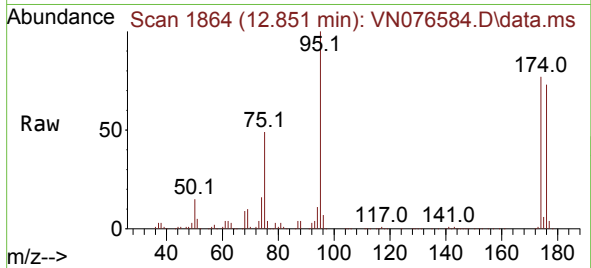
Tgt Ion: 75	Resp: 226554
Ion Ratio	Lower Upper
75 100	
77 1.1	87.5 262.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.316 ug/l
 RT: 12.851 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VN076584.D
 Acq: 08 Feb 2023 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-20-020223



Tgt Ion: 75 Resp: 226554
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.1 115.7#
 89 0.0 41.5 62.3#

