

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076573.D
 Acq On : 08 Feb 2023 12:34
 Operator : JC\MD
 Sample : 01418-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-16-020223

Quant Time: Feb 09 00:44:54 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)

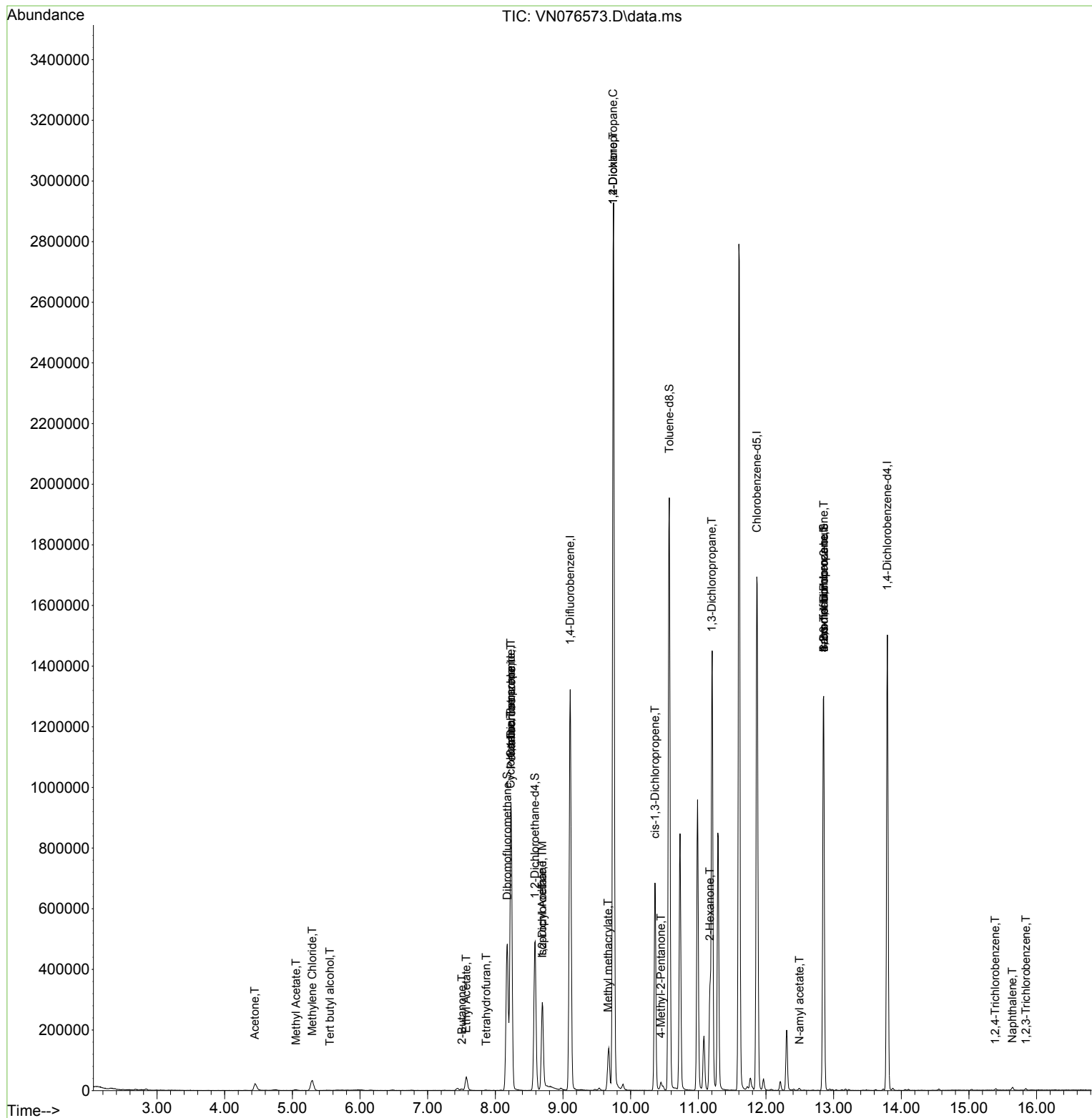
Internal Standards						
1) Pentafluorobenzene	8.235	168	721404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1213446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1085279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	425565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	409588	48.103	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.200%
35) Dibromofluoromethane	8.177	113	360361	47.773	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.540%
50) Toluene-d8	10.571	98	1431177	50.433	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.860%
62) 4-Bromofluorobenzene	12.853	95	476268	47.640	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.553	59	438	0.395	ug/l #	72
16) Acetone	4.447	43	43565	15.519	ug/l	99
18) Methyl Acetate	5.053	43	5338	0.601	ug/l	95
20) Methylene Chloride	5.295	84	29449	3.403	ug/l	95
25) 2-Butanone	7.506	43	7837	1.942	ug/l	95
29) Tetrahydrofuran	7.865	42	1131	0.436	ug/l #	58
31) Cyclohexane	8.224	56	13303	0.988	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	53955	5.010	ug/l #	48
37) Ethyl Acetate	7.571	43	64952	8.050	ug/l	97
38) Carbon Tetrachloride	8.230	117	73799	6.373	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	2819	0.265	ug/l #	71
43) Isopropyl Acetate	8.694	43	339261	25.268	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	4092	0.522	ug/l #	42
48) Methyl methacrylate	9.665	41	8163	1.236	ug/l #	7
49) 1,4-Dioxane	9.741	88	337	2.386	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	25383	3.146	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	138998	11.091	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	16053	1.202	ug/l #	42
59) 2-Hexanone	11.171	43	268296	46.637	ug/l #	18
71) Bromoform	12.853	173	2181	0.376	ug/l #	1
74) N-amyl acetate	12.494	43	3186	0.328	ug/l #	50
76) 1,2,3-Trichloropropane	12.853	75	235051	29.603	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	235051	90.902	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.388	180	2080	0.309	ug/l	93
95) Naphthalene	15.641	128	9580	0.489	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	2155	0.334	ug/l	94

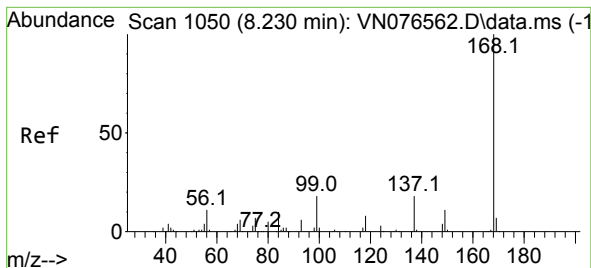
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.235 min Scan# 1050

Delta R.T. 0.005 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

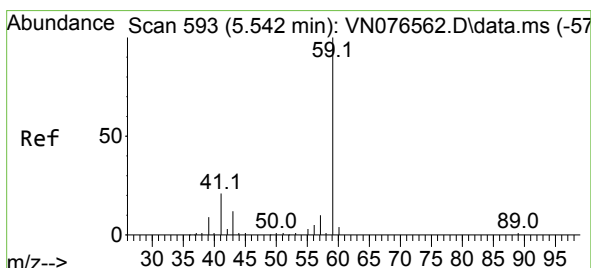
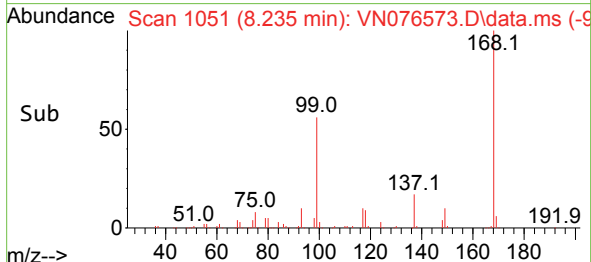
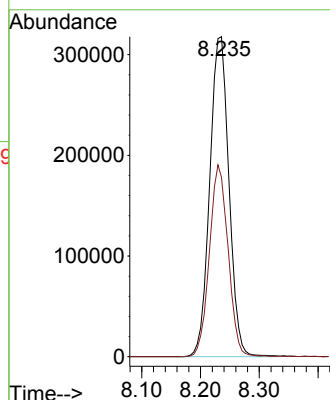
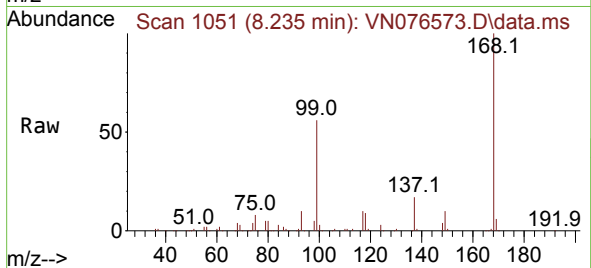
JPP-16-020223

Tgt Ion:168 Resp: 721404

Ion Ratio Lower Upper

168 100

99 56.0 47.8 71.8



#11

Tert butyl alcohol

Concen: 0.395 ug/l

RT: 5.553 min Scan# 595

Delta R.T. 0.011 min

Lab File: VN076573.D

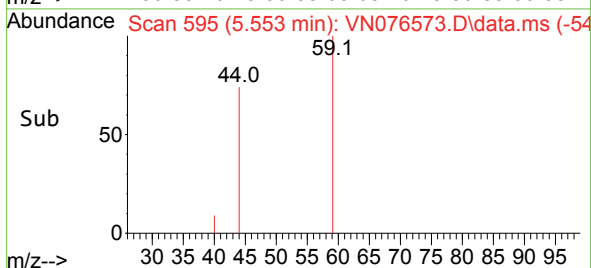
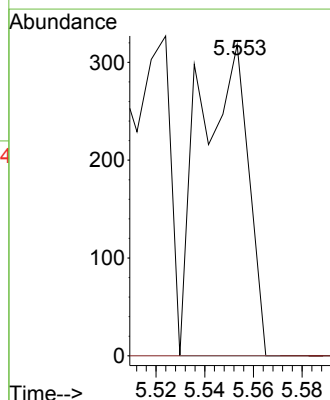
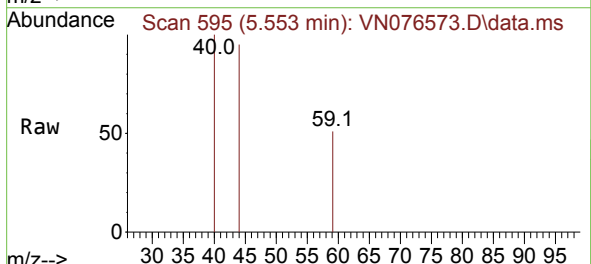
Acq: 08 Feb 2023 12:34

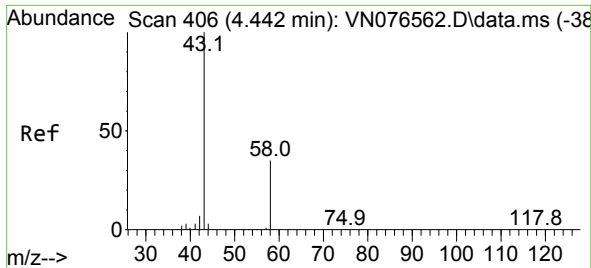
Tgt Ion: 59 Resp: 438

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

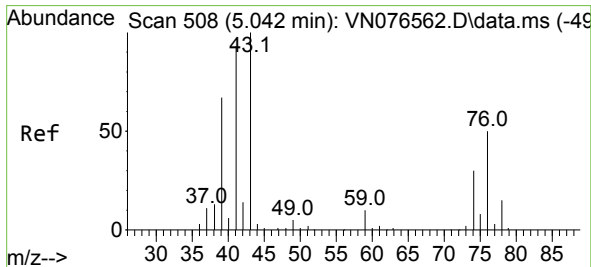
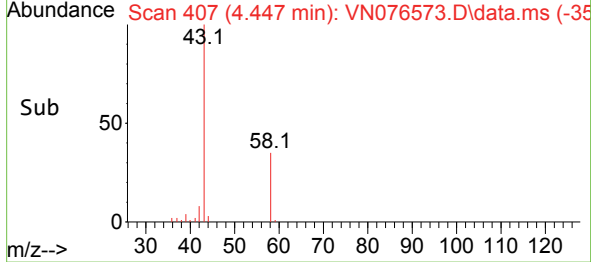
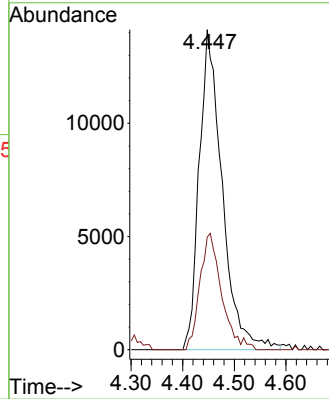
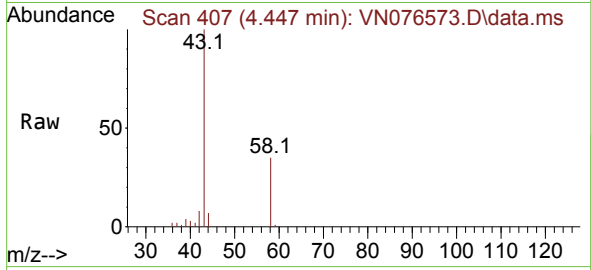




#16
Acetone
Concen: 15.519 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

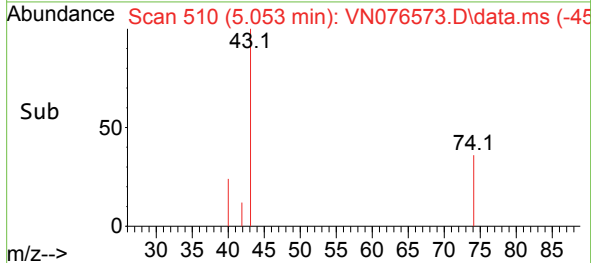
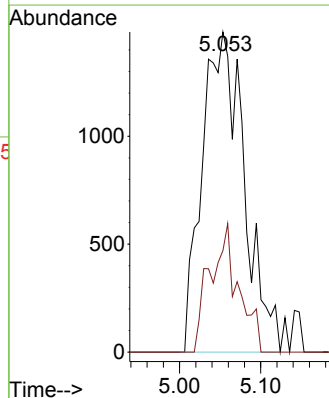
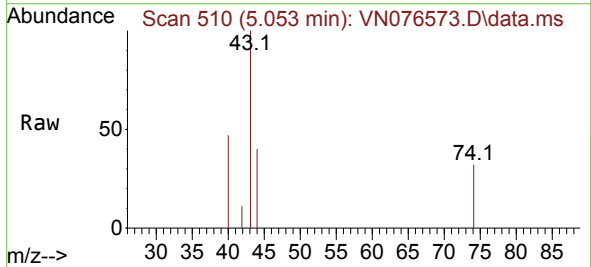
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

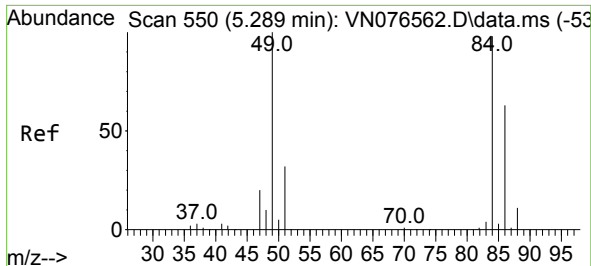
Tgt Ion: 43 Resp: 43565
Ion Ratio Lower Upper
43 100
58 35.2 28.4 42.6



#18
Methyl Acetate
Concen: 0.601 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

Tgt Ion: 43 Resp: 5338
Ion Ratio Lower Upper
43 100
74 27.1 23.9 35.9

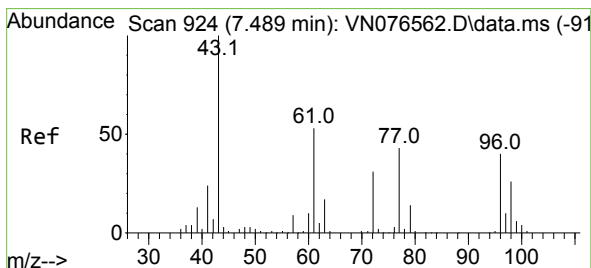
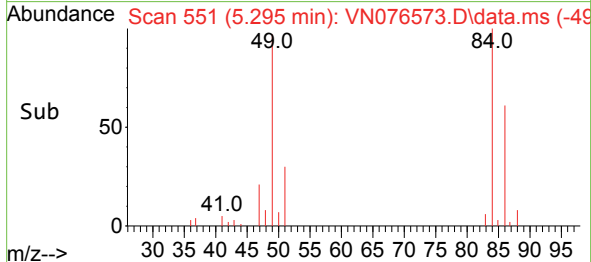
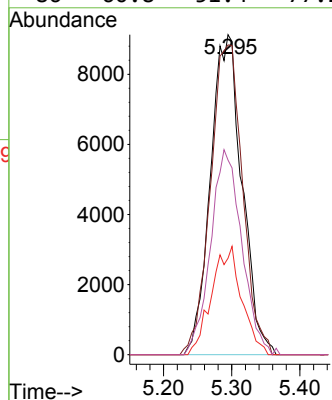
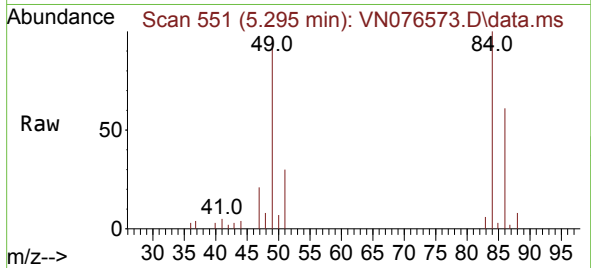




#20
Methylene Chloride
Concen: 3.403 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

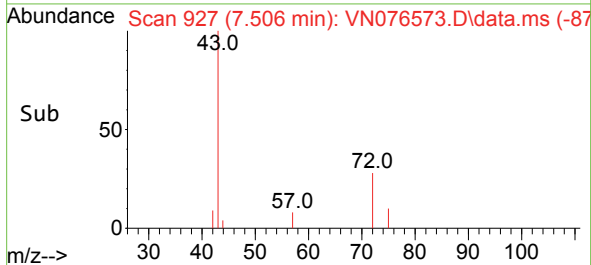
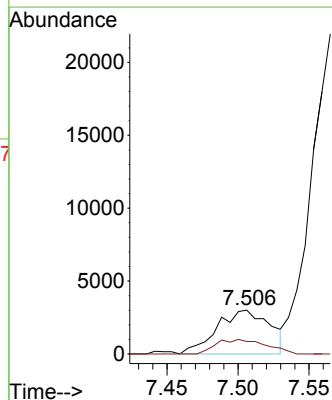
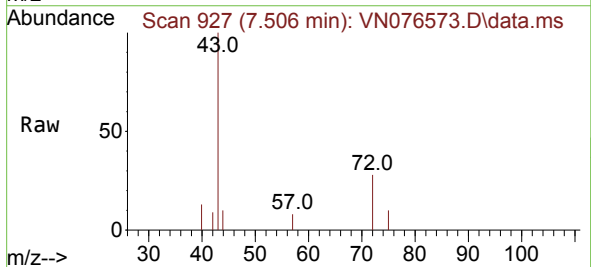
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

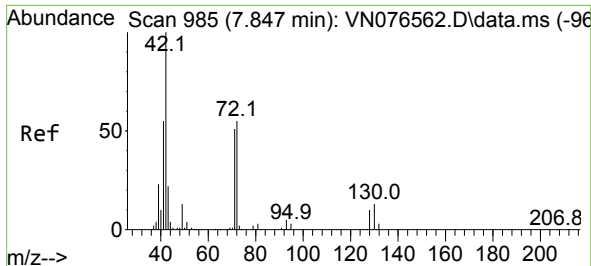
Tgt Ion: 84	Resp:	29449
Ion	Ratio	Lower Upper
84	100	
49	96.8	82.0 123.0
51	30.2	26.0 39.0
86	60.8	51.4 77.2



#25
2-Butanone
Concen: 1.942 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.017 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

Tgt Ion: 43	Resp:	7837
Ion	Ratio	Lower Upper
43	100	
72	28.4	25.1 37.7





#29

Tetrahydrofuran

Concen: 0.436 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076573.D

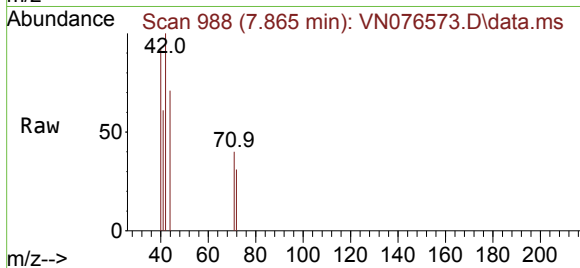
Acq: 08 Feb 2023 12:34

Instrument :

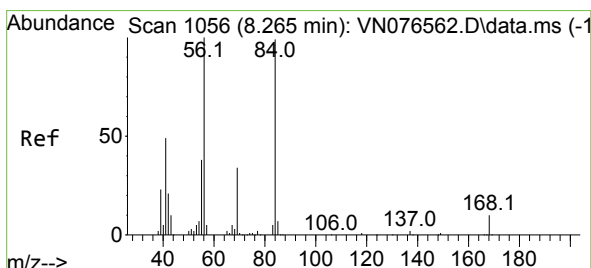
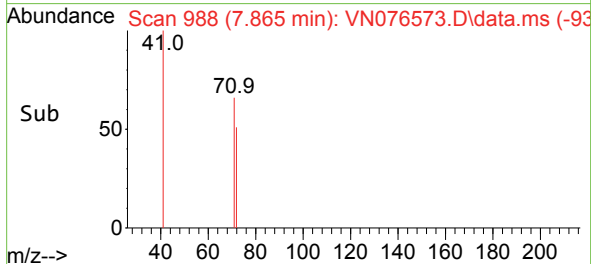
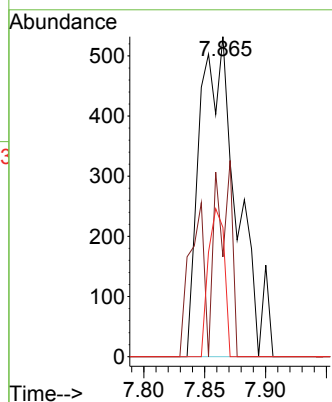
MSVOA_N

ClientSampleId :

JPP-16-020223



Tgt Ion:	42	Resp:	1131
Ion	Ratio	Lower	Upper
42	100		
72	24.9	42.9	64.3#
71	19.8	39.9	59.9#



#31

Cyclohexane

Concen: 0.988 ug/l

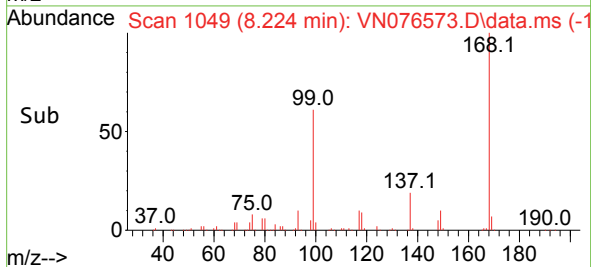
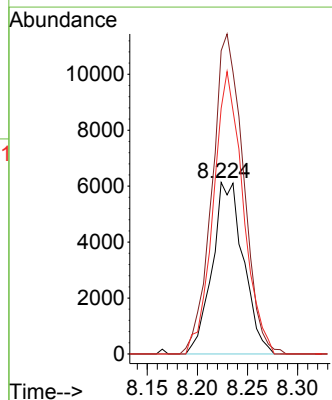
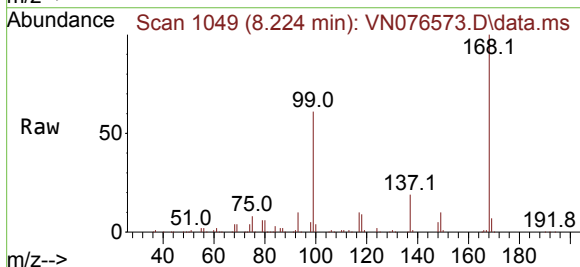
RT: 8.224 min Scan# 1049

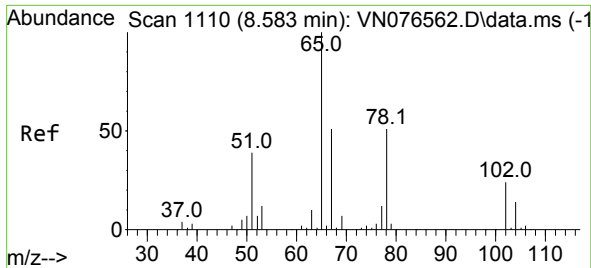
Delta R.T. -0.041 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Tgt Ion:	56	Resp:	13303
Ion	Ratio	Lower	Upper
56	100		
69	176.9	27.0	40.4#
84	143.2	79.5	119.3#





#33

1,2-Dichloroethane-d4

Concen: 48.103 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

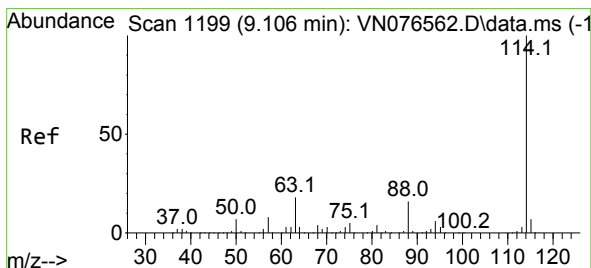
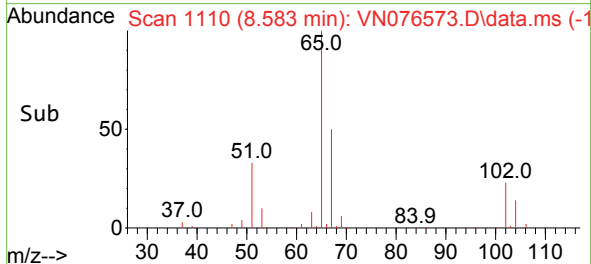
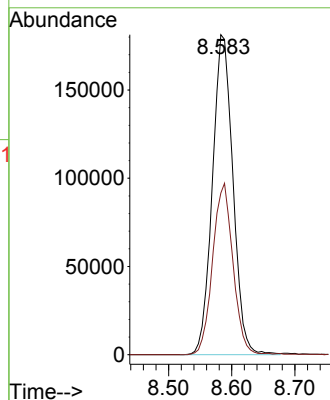
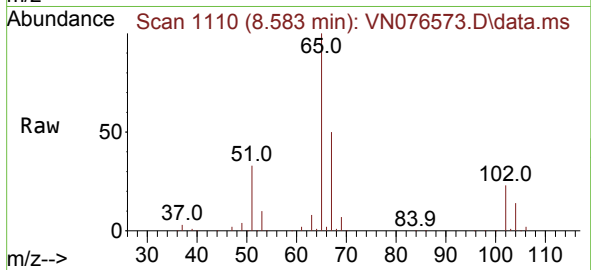
JPP-16-020223

Tgt Ion: 65 Resp: 409588

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

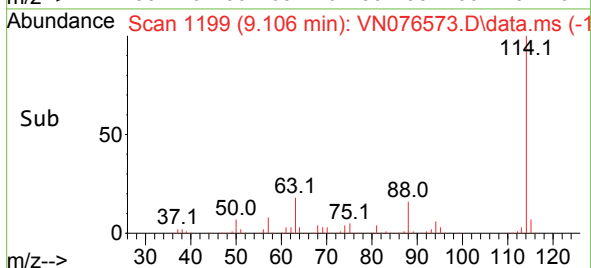
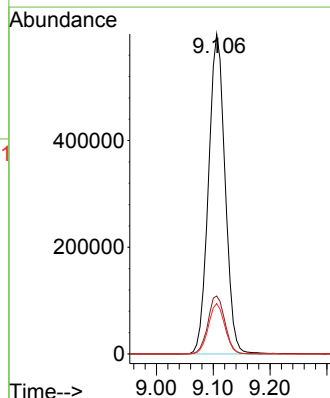
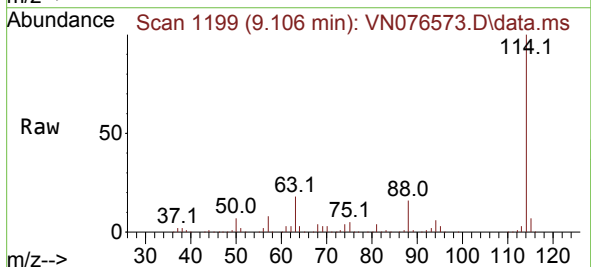
Tgt Ion: 114 Resp: 1213446

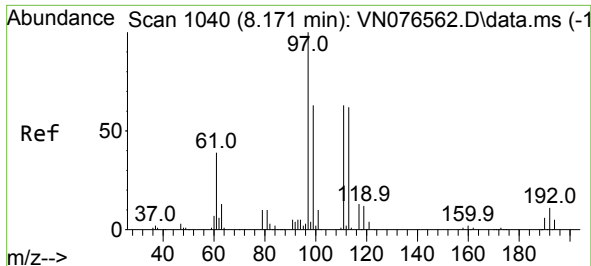
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.6

88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.773 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076573.D

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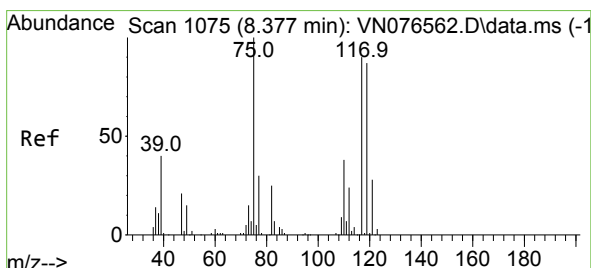
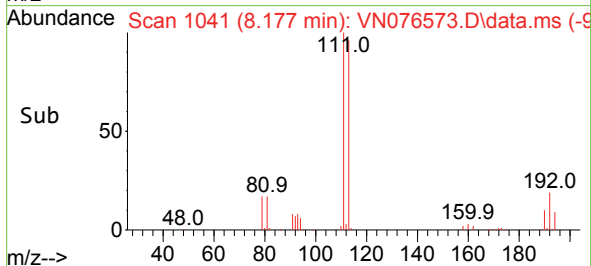
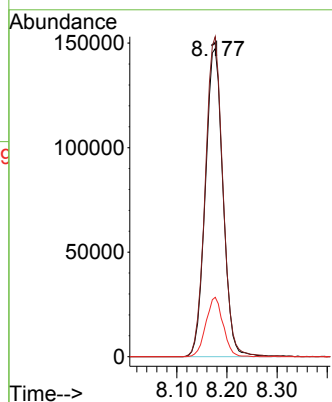
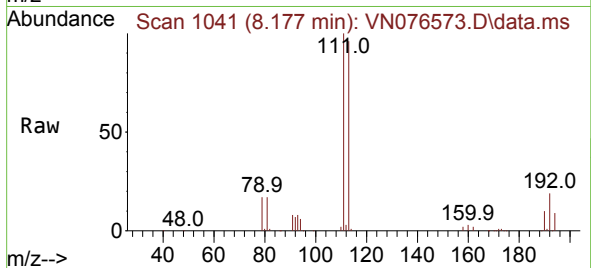
Tgt Ion:113 Resp: 360361

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

192 18.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.010 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

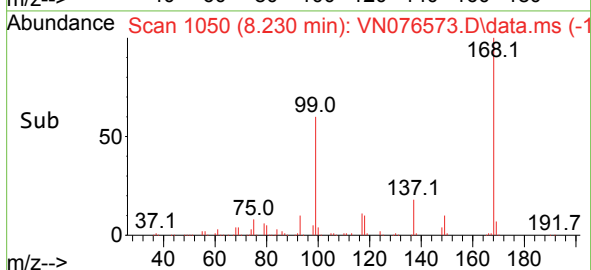
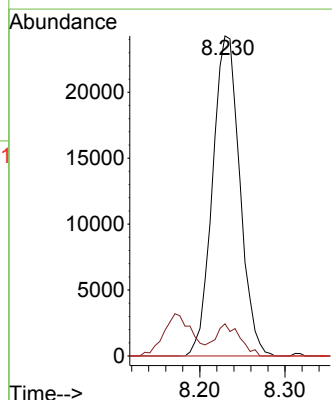
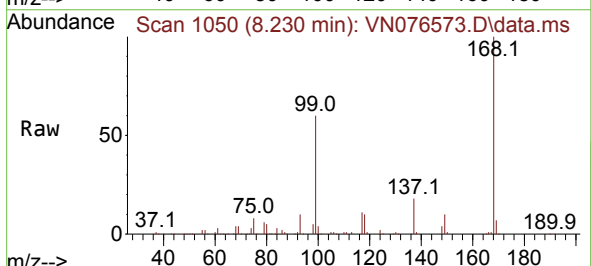
Tgt Ion: 75 Resp: 53955

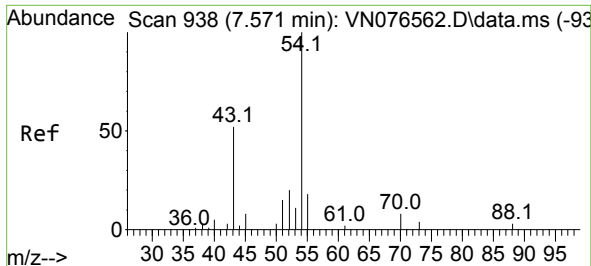
Ion Ratio Lower Upper

75 100

110 9.0 18.6 55.6#

77 0.0 25.1 37.7#

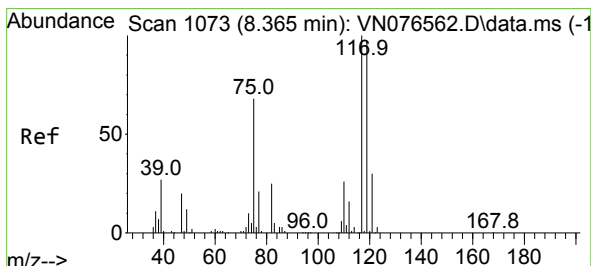
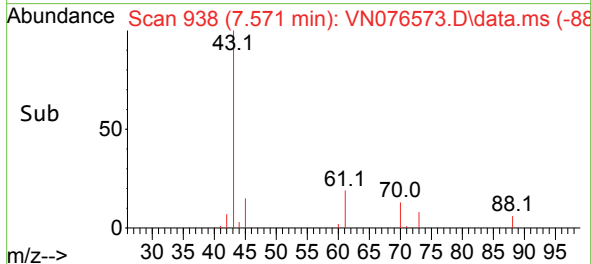
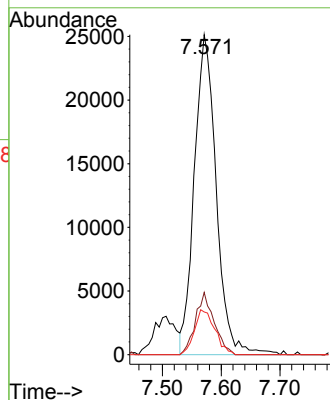
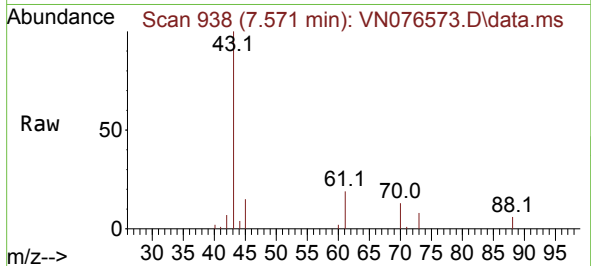




#37
Ethyl Acetate
Concen: 8.050 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

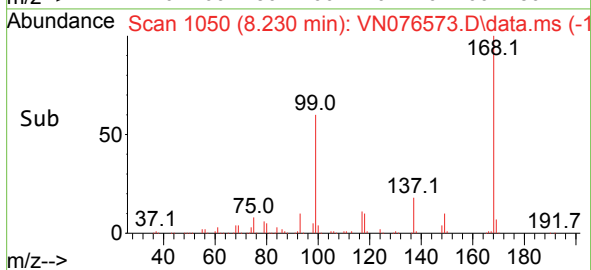
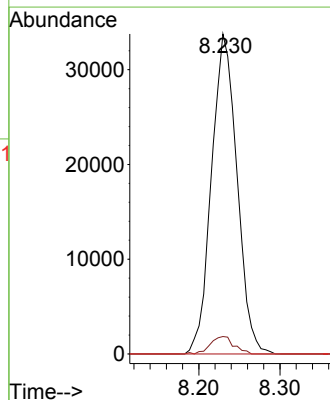
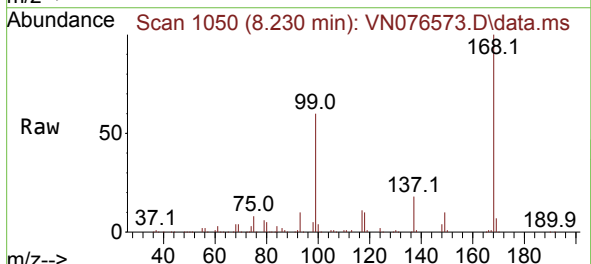
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

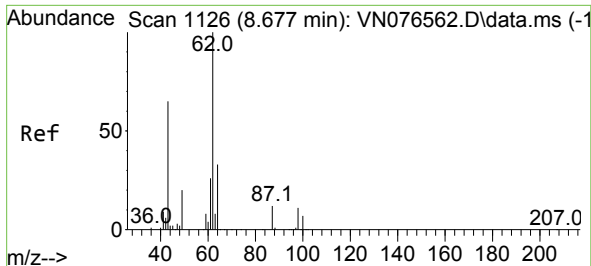
Tgt Ion:	43	Resp:	64952
Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.8	17.6
70	13.1	10.4	15.6



#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

Tgt Ion:	117	Resp:	73799
Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.2	115.8#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.265 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

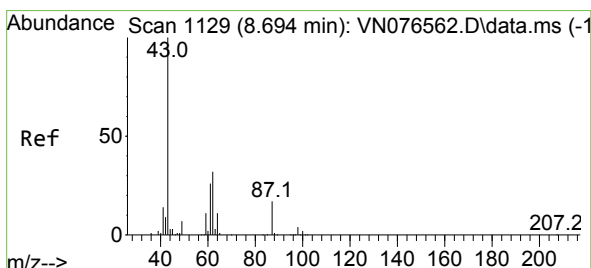
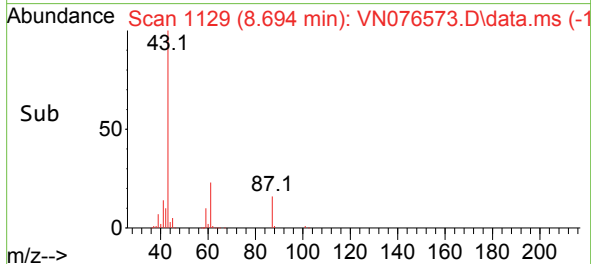
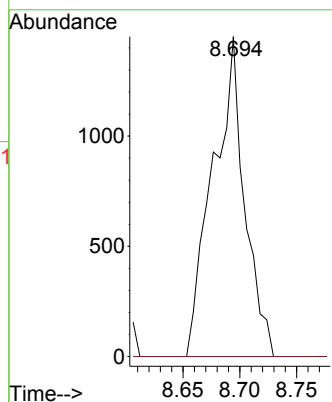
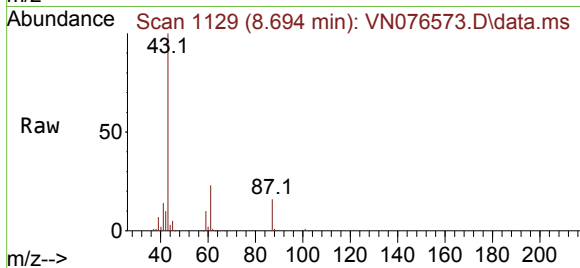
JPP-16-020223

Tgt Ion: 62 Resp: 2819

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6



#43

Isopropyl Acetate

Concen: 25.268 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

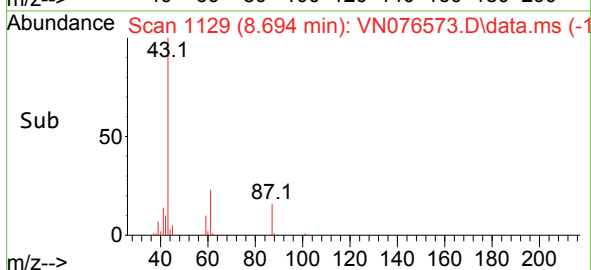
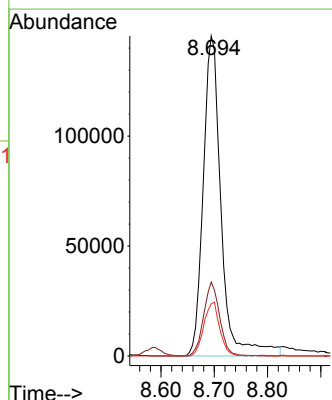
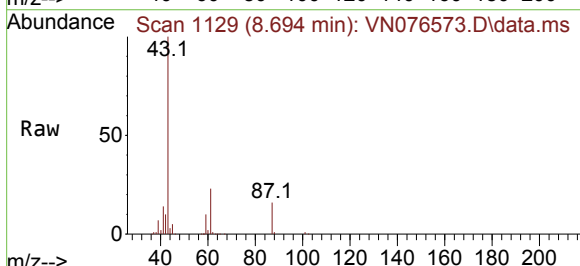
Tgt Ion: 43 Resp: 339261

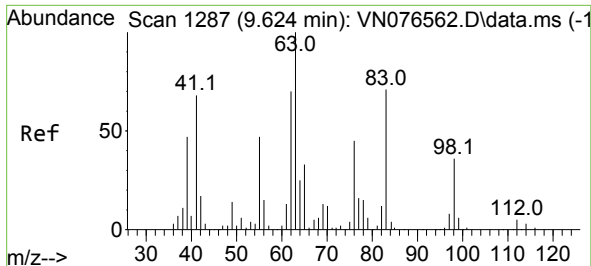
Ion Ratio Lower Upper

43 100

61 20.7 24.5 36.7#

87 14.9 13.6 20.4





#45

1,2-Dichloropropane

Concen: 0.522 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

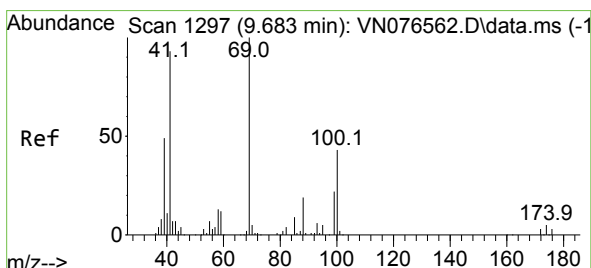
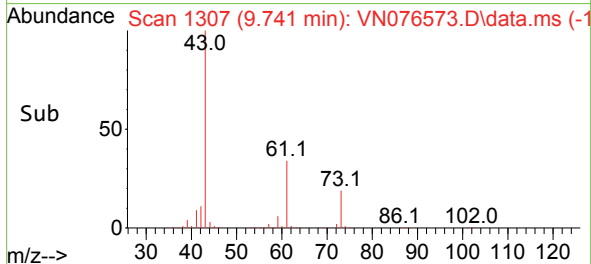
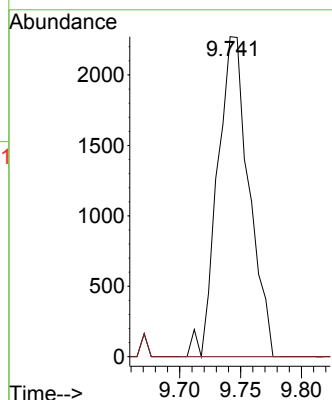
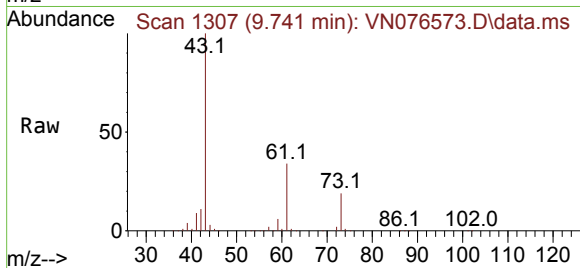
JPP-16-020223

Tgt Ion: 63 Resp: 4092

Ion Ratio Lower Upper

63 100

65 0.0 26.0 39.0#



#48

Methyl methacrylate

Concen: 1.236 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.018 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

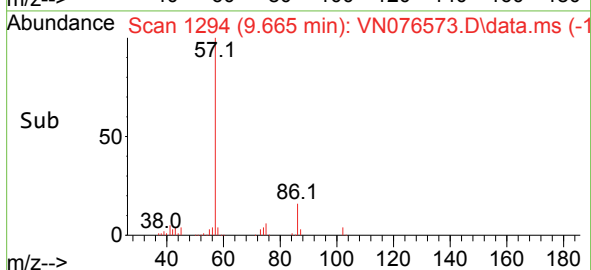
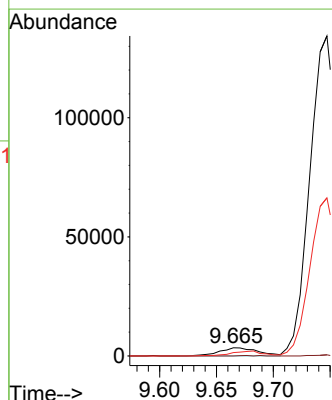
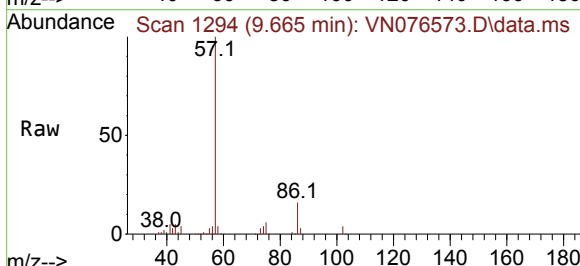
Tgt Ion: 41 Resp: 8163

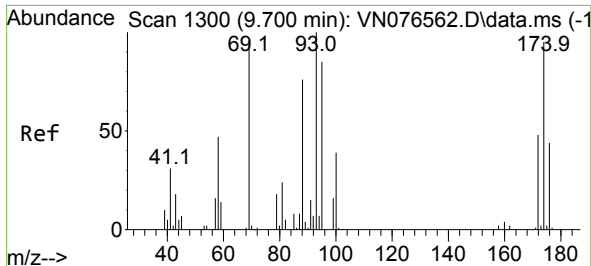
Ion Ratio Lower Upper

41 100

69 0.0 83.0 124.4#

39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 2.386 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

JPP-16-020223

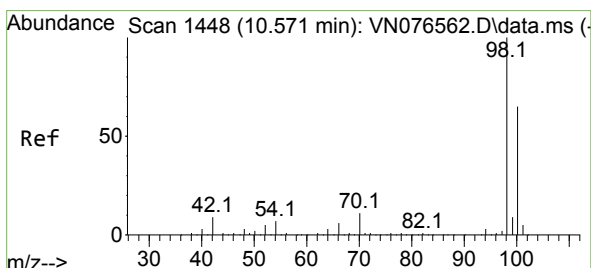
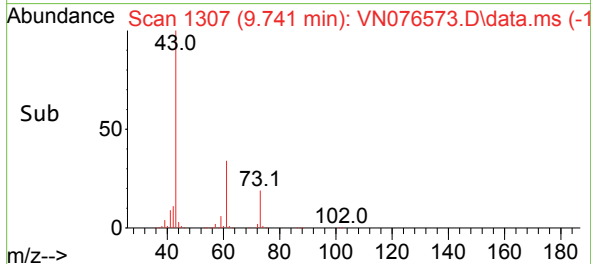
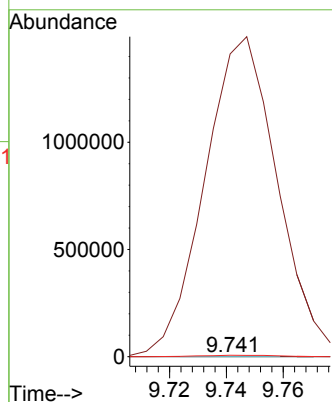
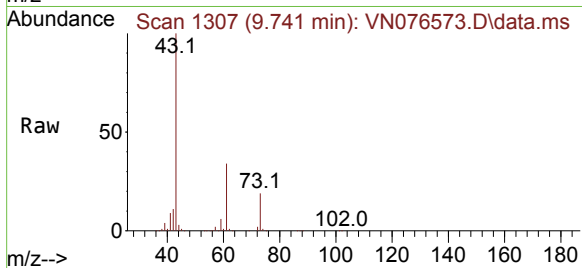
Tgt Ion: 88 Resp: 337

Ion Ratio Lower Upper

88 100

43 797778.0 16.7 25.1#

58 3719.9 51.7 77.5#



#50

Toluene-d8

Concen: 50.433 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076573.D

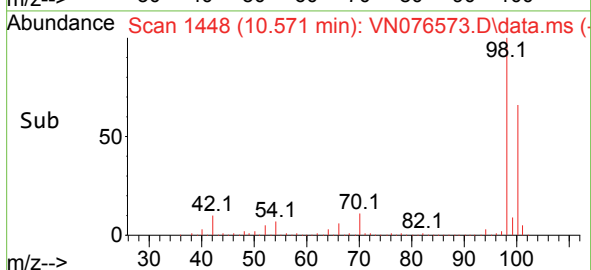
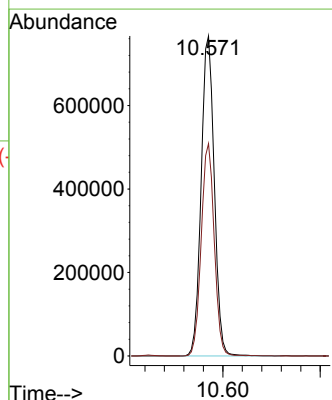
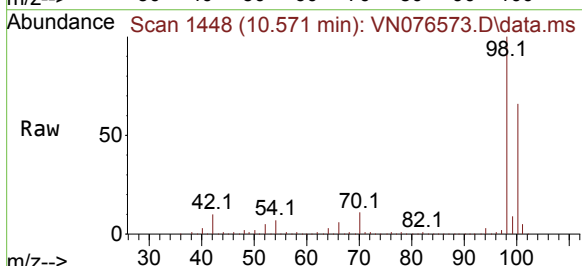
Acq: 08 Feb 2023 12:34

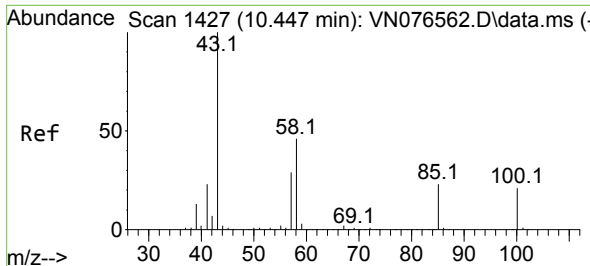
Tgt Ion: 98 Resp: 1431177

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3

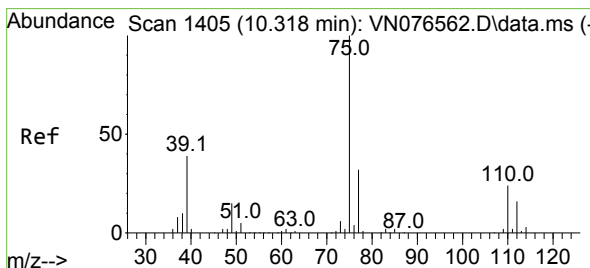
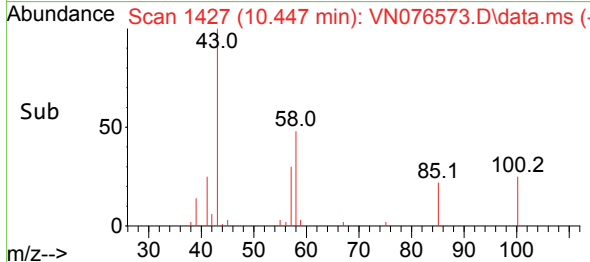
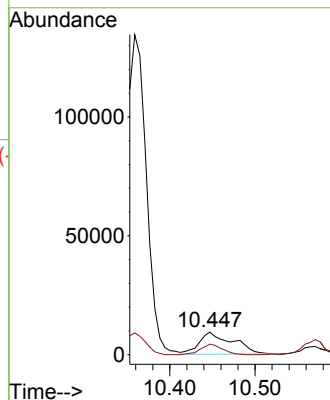
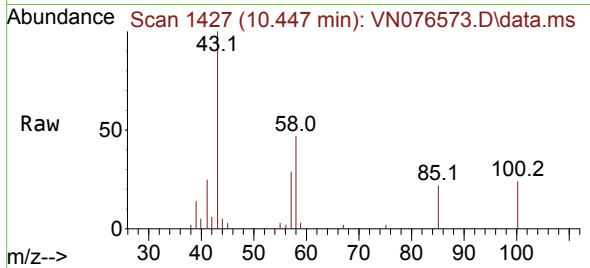




#51
4-Methyl-2-Pentanone
Concen: 3.146 ug/l
RT: 10.447 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

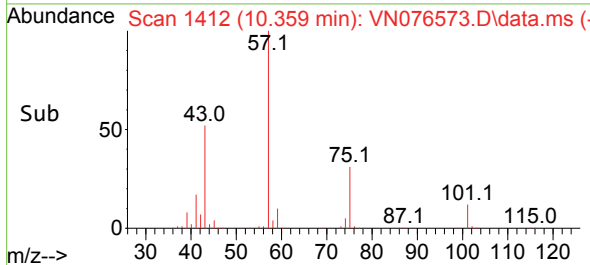
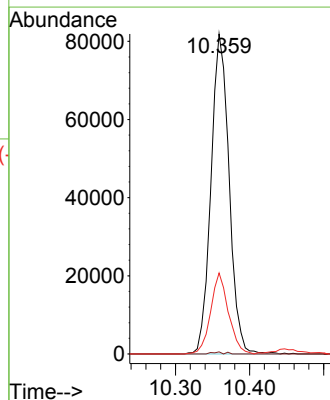
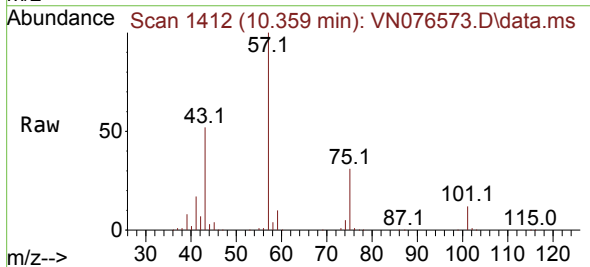
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

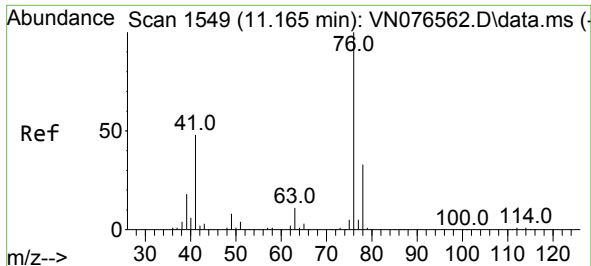
Tgt Ion: 43 Resp: 25383
Ion Ratio Lower Upper
43 100
58 30.7 36.4 54.6#



#54
cis-1,3-Dichloropropene
Concen: 11.091 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

Tgt Ion: 75 Resp: 138998
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.0#
39 25.3 31.1 46.7#

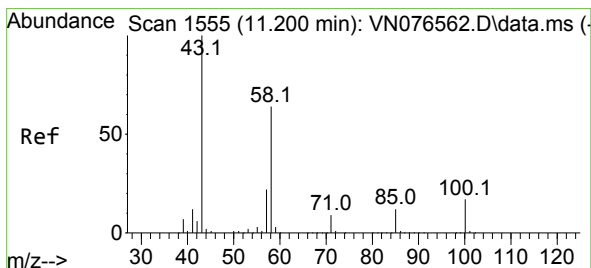
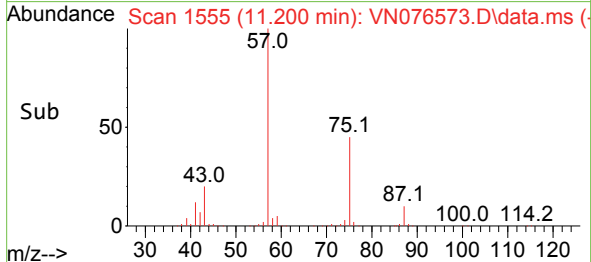
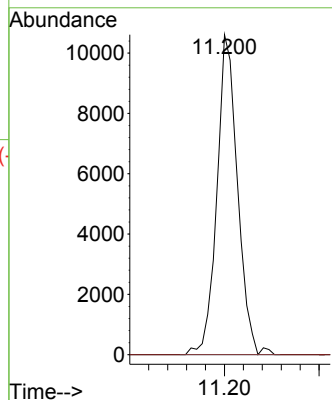
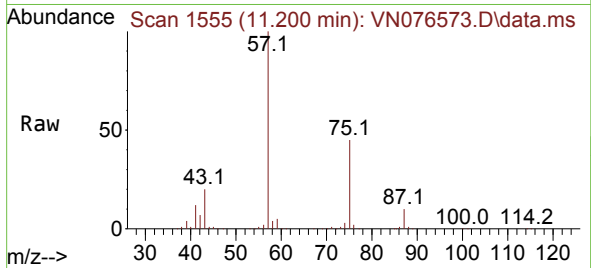




#57
1,3-Dichloropropane
Concen: 1.202 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

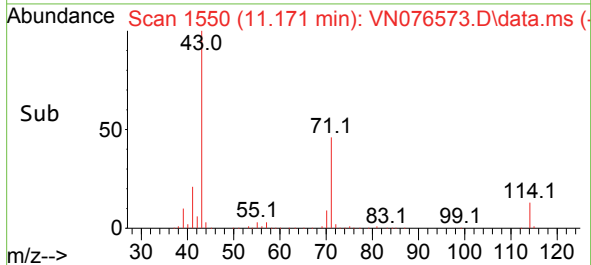
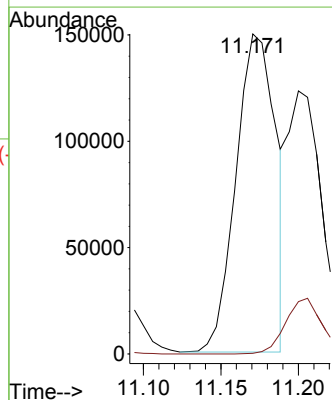
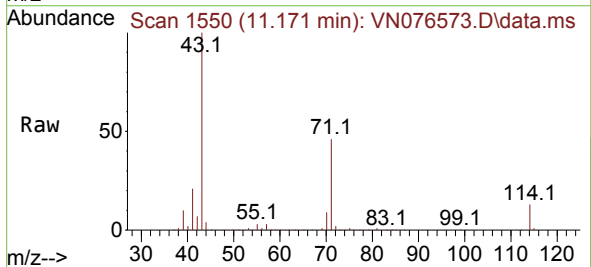
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

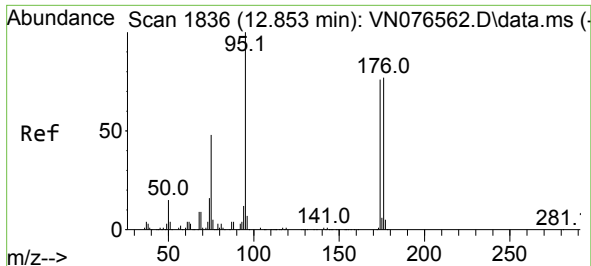
Tgt Ion: 76 Resp: 16053
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 46.637 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

Tgt Ion: 43 Resp: 268296
Ion Ratio Lower Upper
43 100
58 0.0 31.8 95.4#

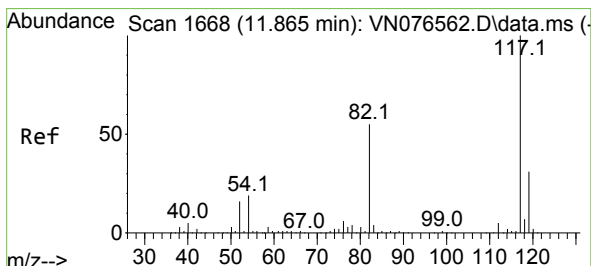
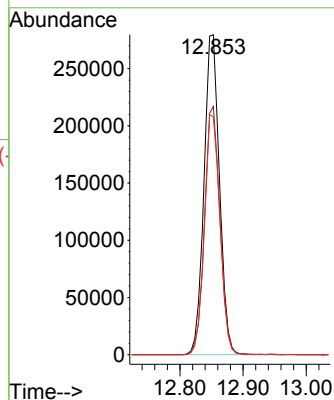
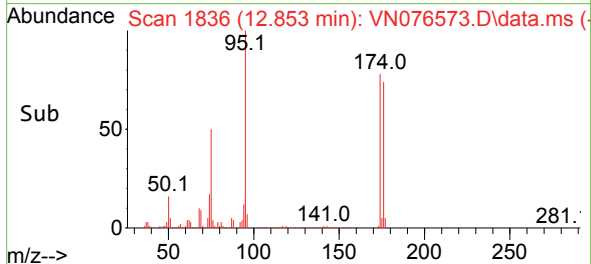
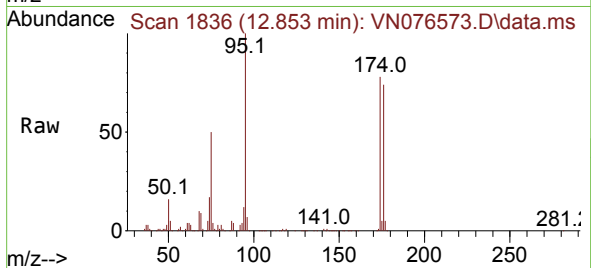




#62
4-Bromofluorobenzene
Concen: 47.640 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

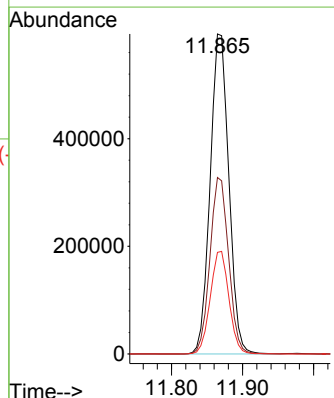
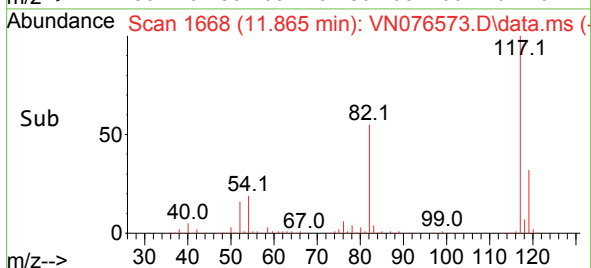
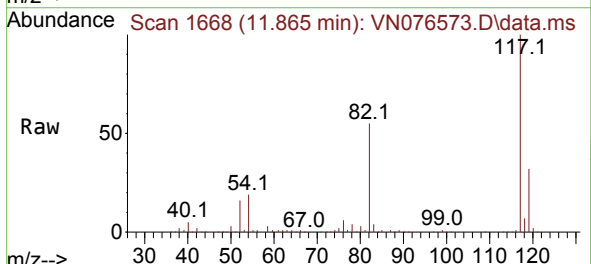
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

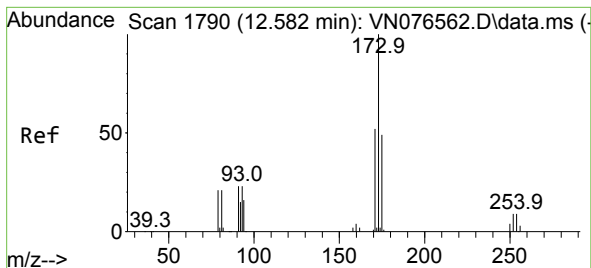
Tgt Ion: 95 Resp: 476268
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.0
176 74.9 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

Tgt Ion: 117 Resp: 1085279
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.4
119 31.8 25.1 37.7





#71

Bromoform

Concen: 0.376 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

JPP-16-020223

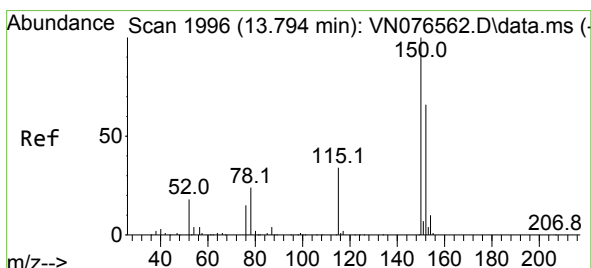
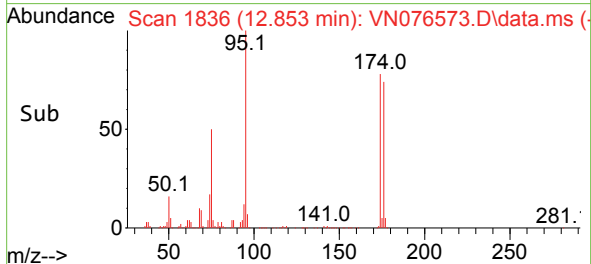
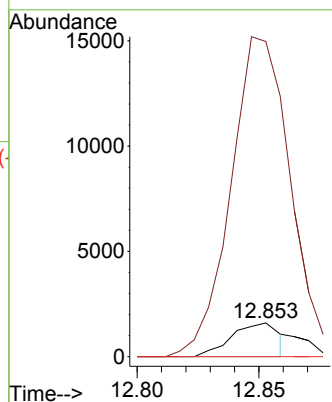
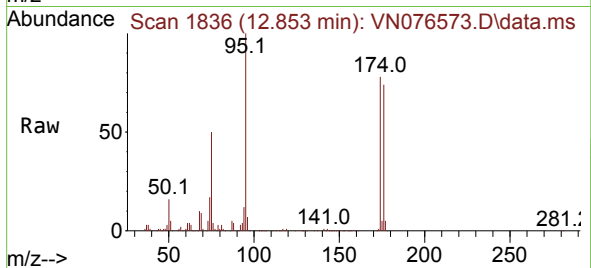
Tgt Ion:173 Resp: 2181

Ion Ratio Lower Upper

173 100

175 996.5 24.8 74.3#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

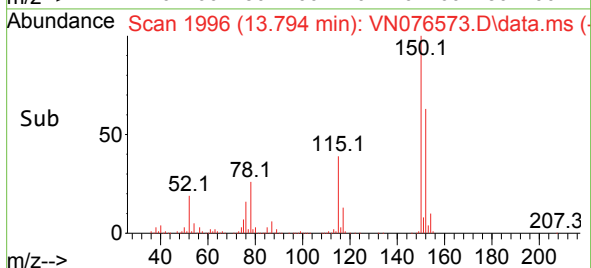
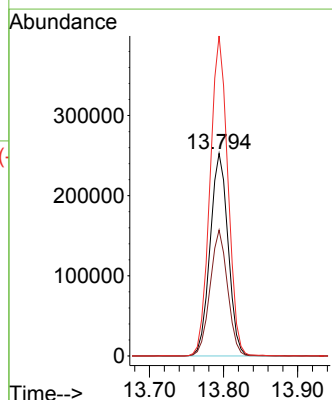
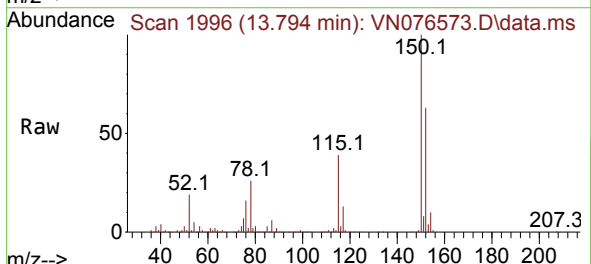
Tgt Ion:152 Resp: 425565

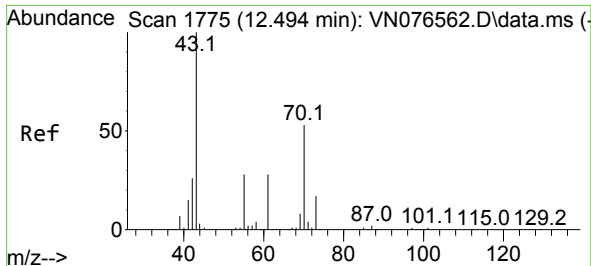
Ion Ratio Lower Upper

152 100

115 60.5 30.8 92.3

150 156.7 0.0 348.8

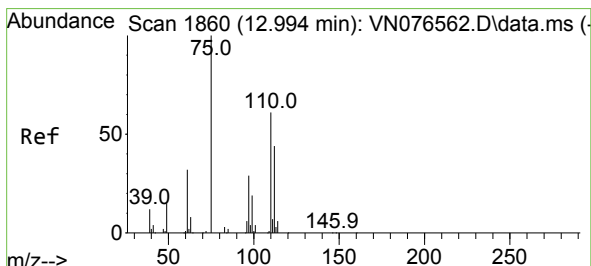
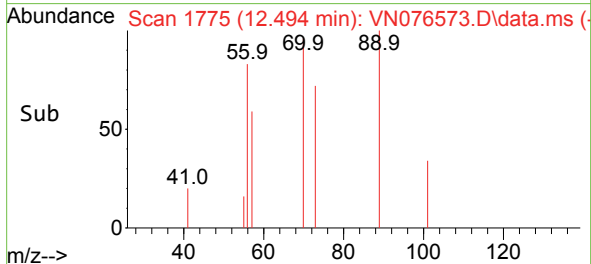
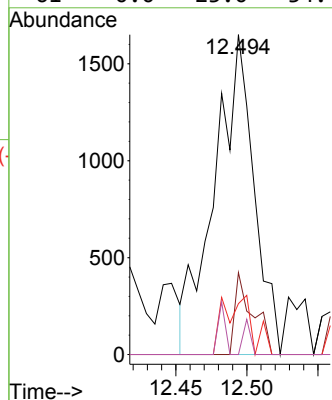
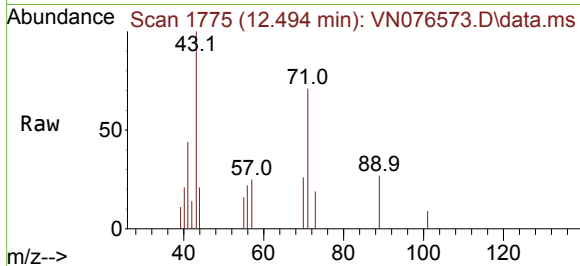




#74
N-amy1 acetate
Concen: 0.328 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

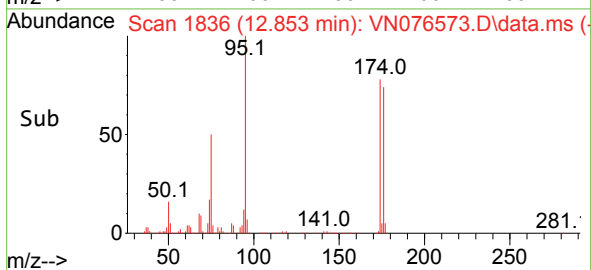
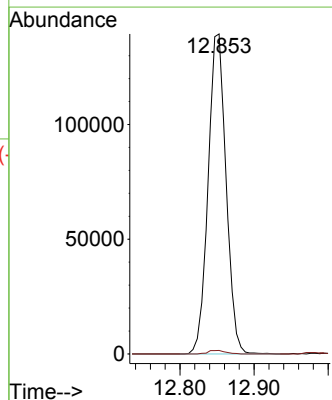
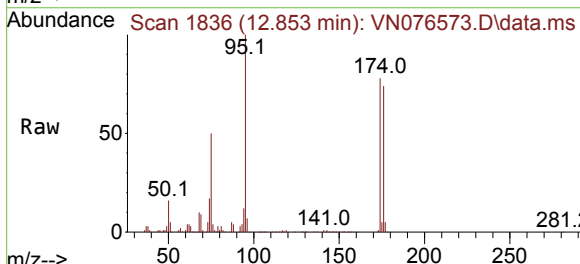
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

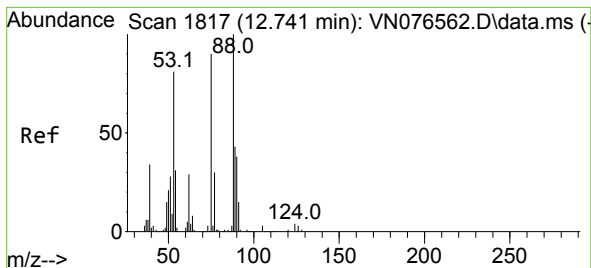
Tgt Ion:	43	Resp:	3186
Ion	Ratio	Lower	Upper
43	100		
70	11.7	43.1	64.7#
55	13.3	22.4	33.6#
61	0.0	23.0	34.4#



#76
1,2,3-Trichloropropane
Concen: 29.603 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

Tgt Ion:	75	Resp:	235051
Ion	Ratio	Lower	Upper
75	100		
77	1.1	87.5	262.5#

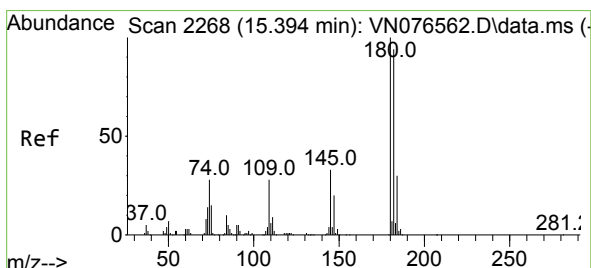
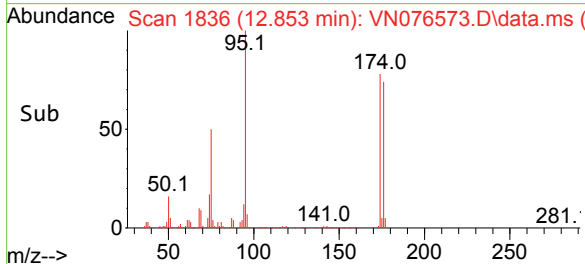
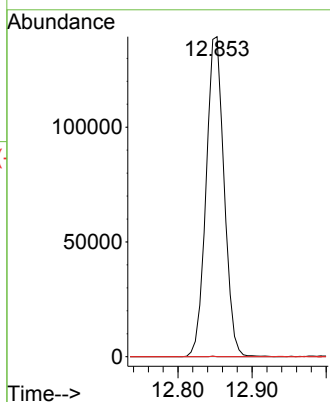
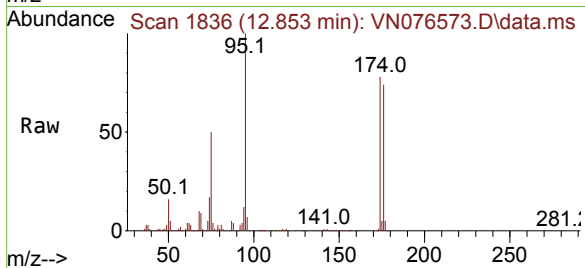




#81
trans-1,4-Dichloro-2-butene
Concen: 90.902 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

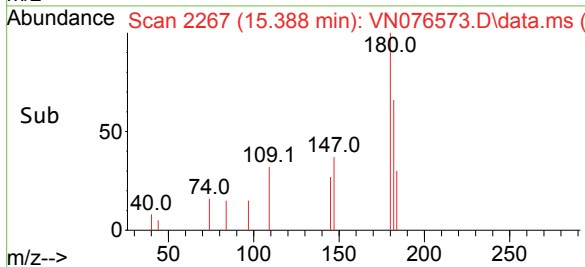
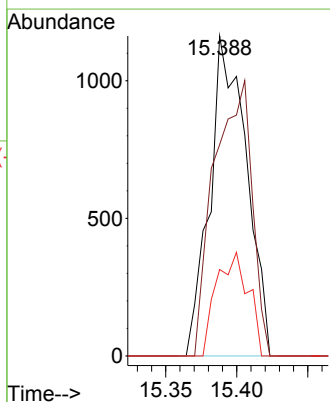
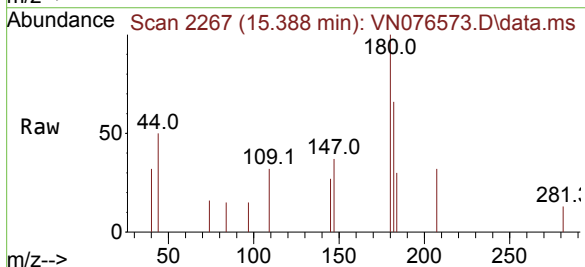
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

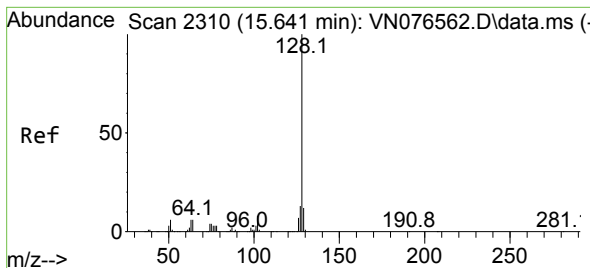
Tgt Ion: 75 Resp: 235051
Ion Ratio Lower Upper
75 100
53 0.0 77.1 115.7#
89 0.0 41.5 62.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.309 ug/l
RT: 15.388 min Scan# 2267
Delta R.T. -0.006 min
Lab File: VN076573.D
Acq: 08 Feb 2023 12:34

Tgt Ion:180 Resp: 2080
Ion Ratio Lower Upper
180 100
182 88.8 47.4 142.2
145 28.1 16.3 48.8





#95

Naphthalene

Concen: 0.489 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

JPP-16-020223

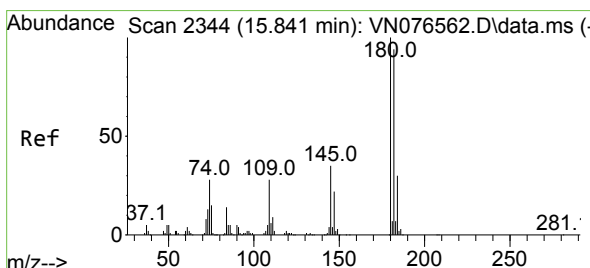
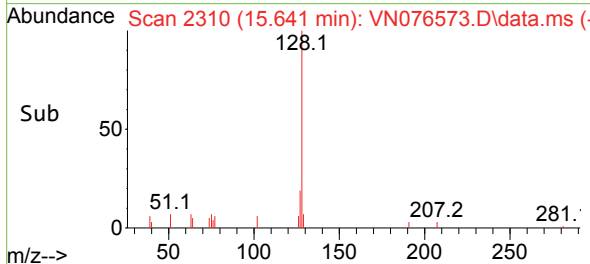
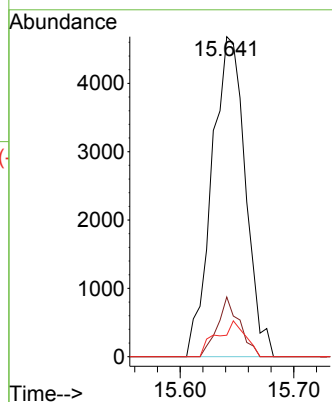
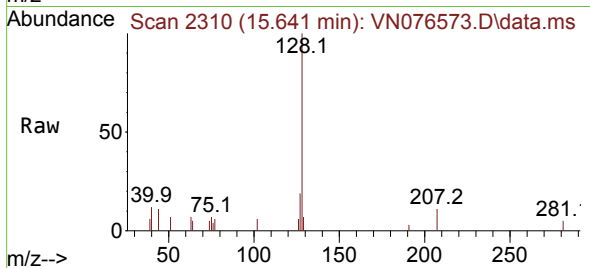
Tgt Ion:128 Resp: 9580

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

129 9.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.334 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076573.D

Acq: 08 Feb 2023 12:34

Tgt Ion:180 Resp: 2155

Ion Ratio Lower Upper

180 100

182 89.3 47.4 142.2

145 29.4 17.2 51.5

