

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076582.D
 Acq On : 08 Feb 2023 16:10
 Operator : JC\MD
 Sample : 01418-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-16-020223

Quant Time: Feb 09 00:50:18 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)

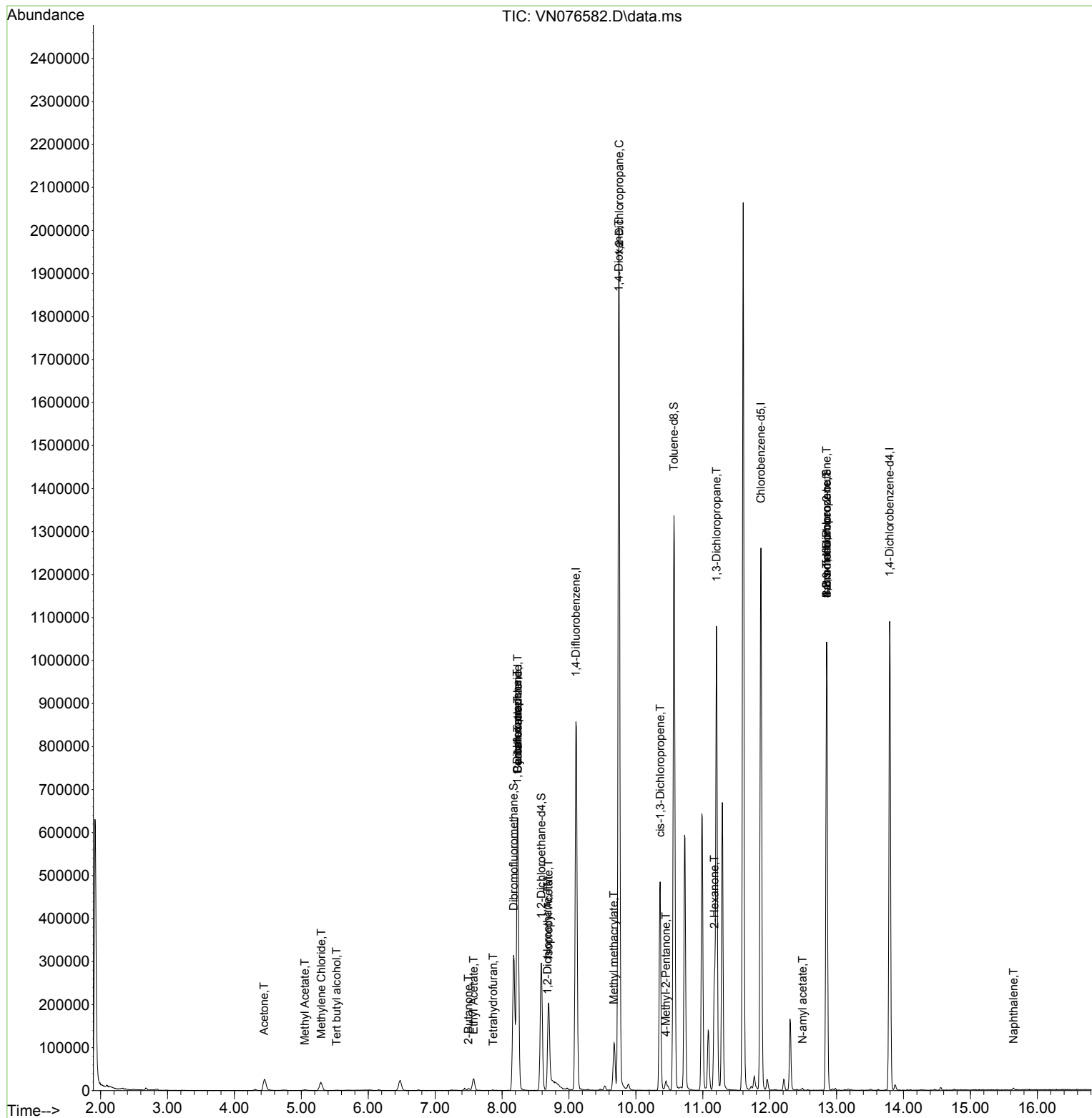
Internal Standards						
1) Pentafluorobenzene	8.233	168	512497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.104	114	836086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.868	117	799032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.792	152	326271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.586	65	241076	39.854	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	79.700%		
35) Dibromofluoromethane	8.175	113	235297	45.272	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.540%		
50) Toluene-d8	10.569	98	1016044	51.964	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.920%		
62) 4-Bromofluorobenzene	12.851	95	393925	57.187	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.380%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.528	59	1419	1.801	ug/l #	72
16) Acetone	4.445	43	49530	24.836	ug/l	97
18) Methyl Acetate	5.051	43	3944	0.625	ug/l	96
20) Methylene Chloride	5.298	84	17731	2.884	ug/l #	86
25) 2-Butanone	7.498	43	7567	2.640	ug/l #	84
29) Tetrahydrofuran	7.869	42	723	0.392	ug/l #	74
31) Cyclohexane	8.233	56	7744	0.810	ug/l #	1
36) 1,1-Dichloropropene	8.227	75	33656	4.535	ug/l #	50
37) Ethyl Acetate	7.575	43	39427	7.092	ug/l #	91
38) Carbon Tetrachloride	8.233	117	49763	6.237	ug/l #	14
42) 1,2-Dichloroethane	8.680	62	1728	0.236	ug/l #	71
43) Isopropyl Acetate	8.692	43	238816	25.815	ug/l #	89
45) 1,2-Dichloropropane	9.751	63	3089	0.572	ug/l #	42
48) Methyl methacrylate	9.669	41	5485	1.206	ug/l #	32
49) 1,4-Dioxane	9.745	88	431	4.428	ug/l #	1
51) 4-Methyl-2-Pentanone	10.451	43	19471	3.502	ug/l #	80
54) cis-1,3-Dichloropropene	10.363	75	106126	12.290	ug/l #	57
57) 1,3-Dichloropropane	11.204	76	13829	1.503	ug/l #	42
59) 2-Hexanone	11.174	43	206023	51.976	ug/l #	18
71) Bromoform	12.851	173	1863	0.436	ug/l #	1
74) N-amyl acetate	12.492	43	1755	0.236	ug/l #	45
76) 1,2,3-Trichloropropane	12.851	75	184583	30.322	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.851	75	184583	93.108	ug/l #	10
95) Naphthalene	15.645	128	4750	0.316	ug/l #	95

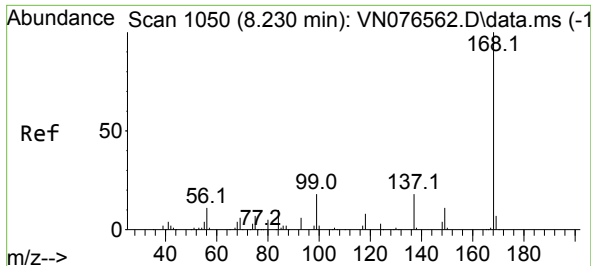
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

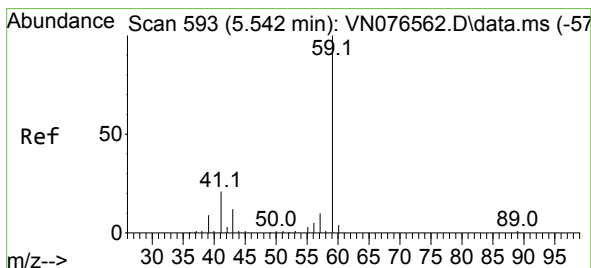
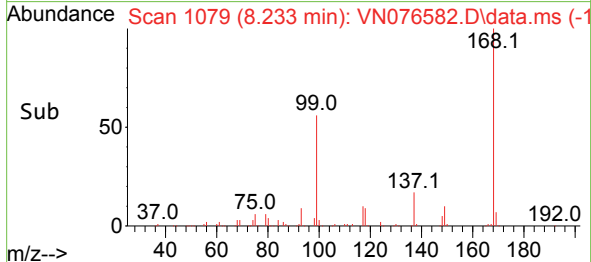
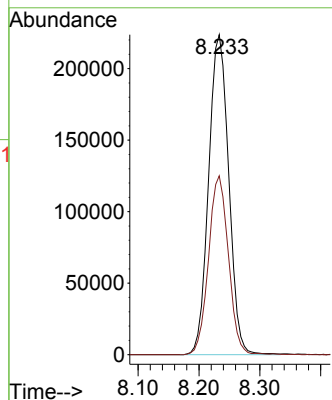
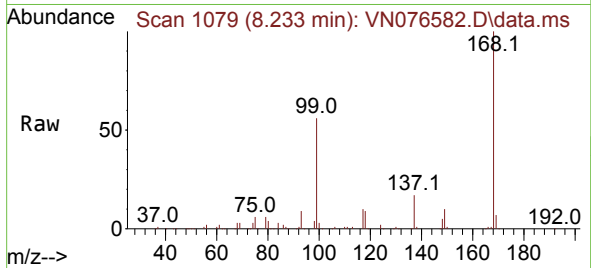




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.233 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

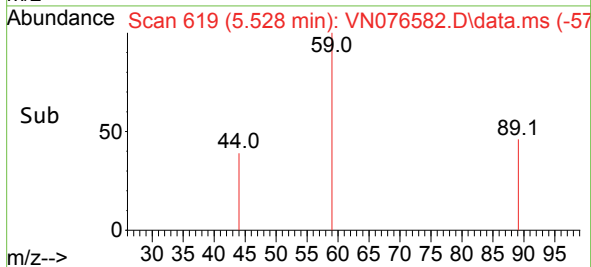
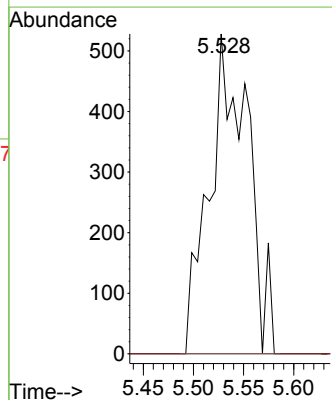
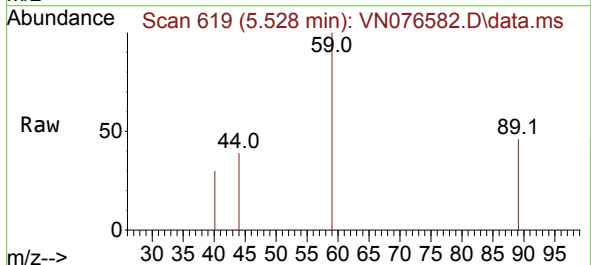
Instrument :
MSVOA_N
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JPP-16-020223

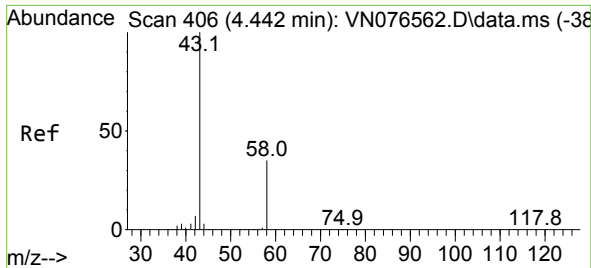
Tgt Ion:168 Resp: 512497
Ion Ratio Lower Upper
168 100
99 55.9 47.8 71.8



#11
Tert butyl alcohol
Concen: 1.801 ug/l
RT: 5.528 min Scan# 619
Delta R.T. -0.014 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

Tgt Ion: 59 Resp: 1419
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 24.836 ug/l

RT: 4.445 min Scan# 41

Delta R.T. 0.003 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

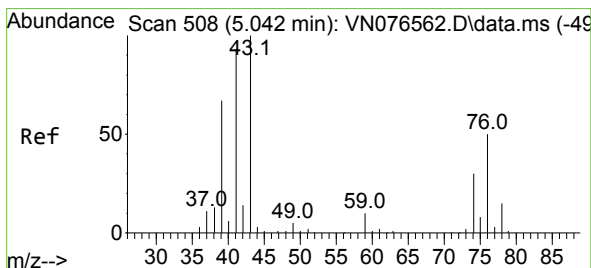
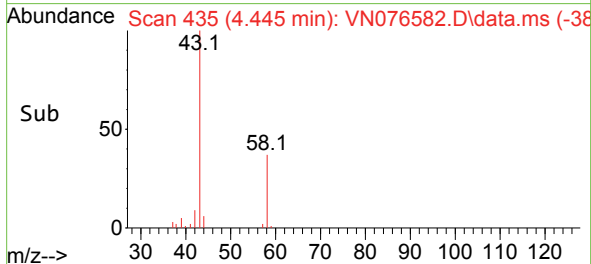
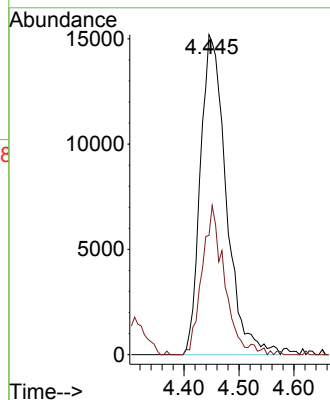
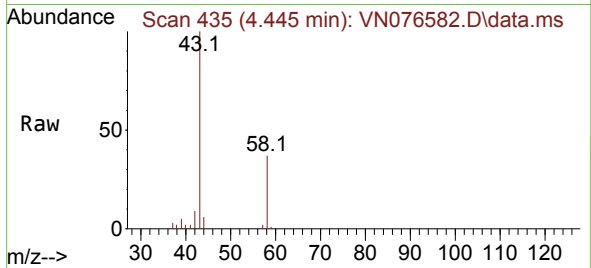
JPP-16-020223

Tgt Ion: 43 Resp: 49530

Ion Ratio Lower Upper

43 100

58 37.3 28.4 42.6



#18

Methyl Acetate

Concen: 0.625 ug/l

RT: 5.051 min Scan# 538

Delta R.T. 0.009 min

Lab File: VN076582.D

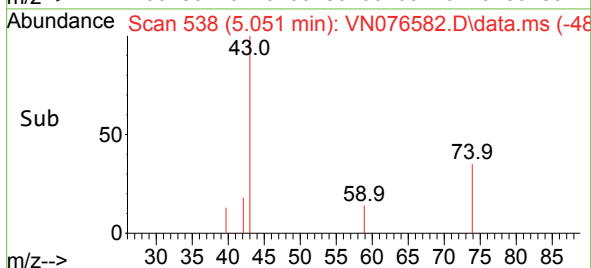
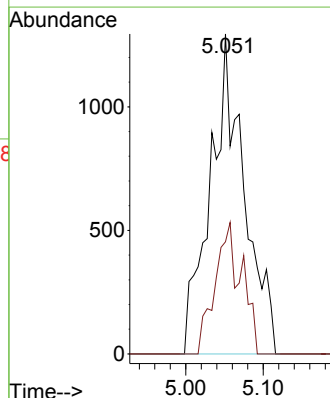
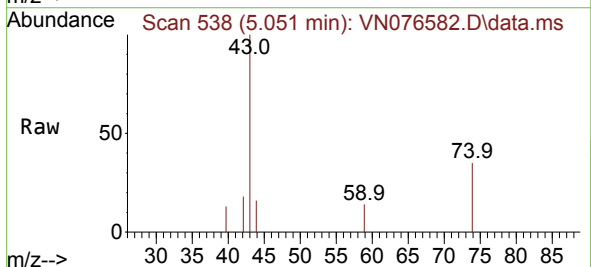
Acq: 08 Feb 2023 16:10

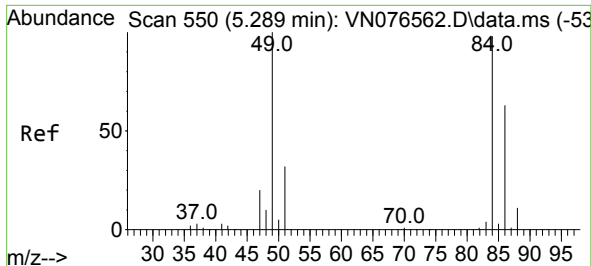
Tgt Ion: 43 Resp: 3944

Ion Ratio Lower Upper

43 100

74 32.2 23.9 35.9

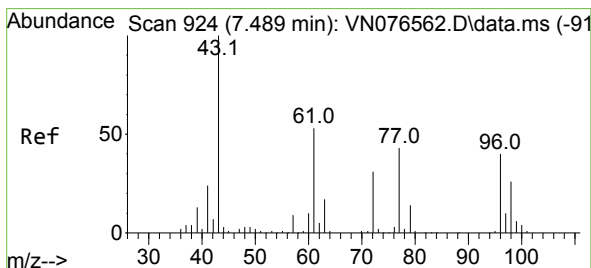
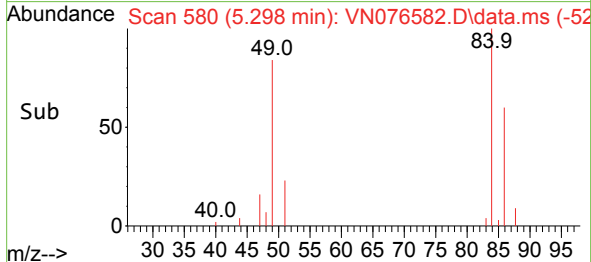
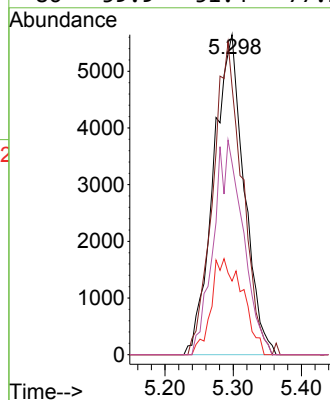
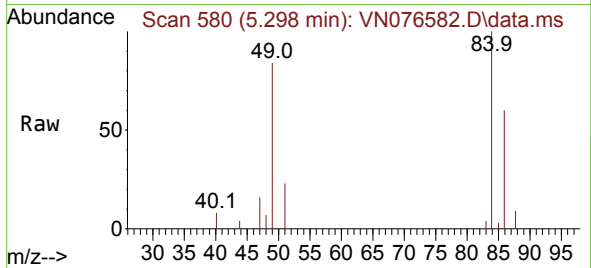




#20
Methylene Chloride
Concen: 2.884 ug/l
RT: 5.298 min Scan# 51
Delta R.T. 0.009 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

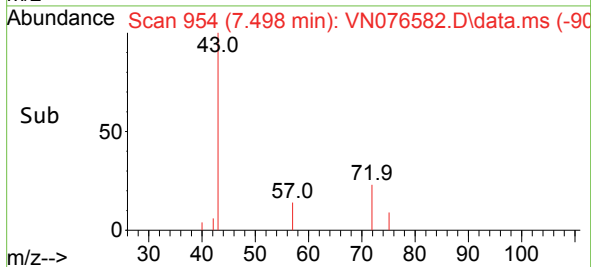
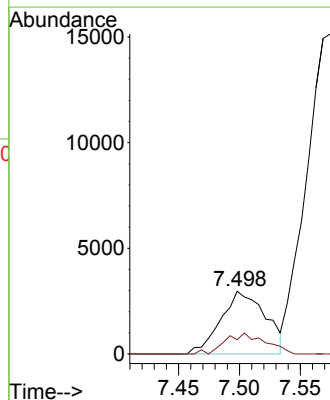
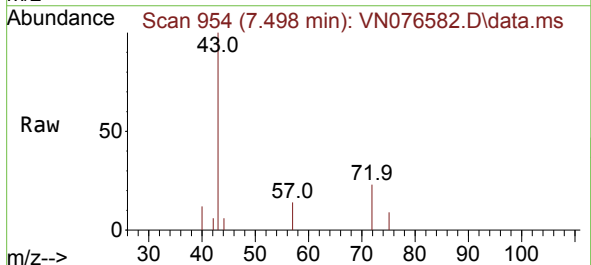
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

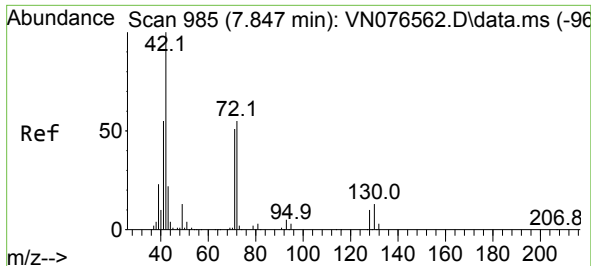
Tgt Ion: 84	Resp: 17731
Ion Ratio	Lower Upper
84 100	
49 83.8	82.0 123.0
51 23.0	26.0 39.0#
86 59.9	51.4 77.2



#25
2-Butanone
Concen: 2.640 ug/l
RT: 7.498 min Scan# 954
Delta R.T. 0.009 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

Tgt Ion: 43	Resp: 7567
Ion Ratio	Lower Upper
43 100	
72 22.8	25.1 37.7#

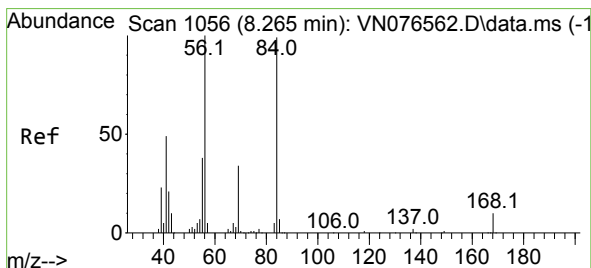
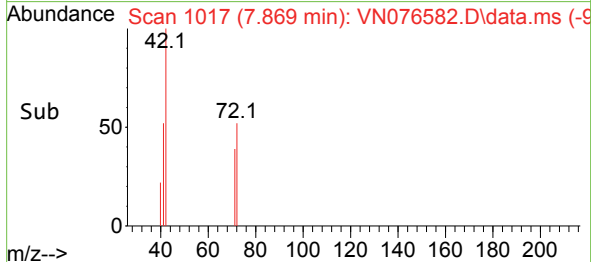
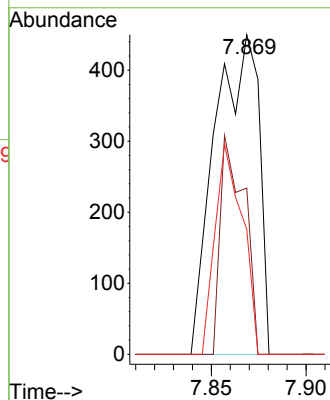
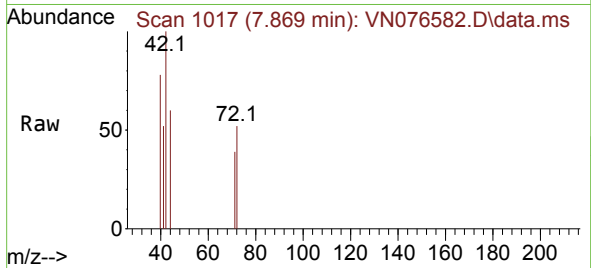




#29
Tetrahydrofuran
Concen: 0.392 ug/l
RT: 7.869 min Scan# 1079
Delta R.T. 0.022 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

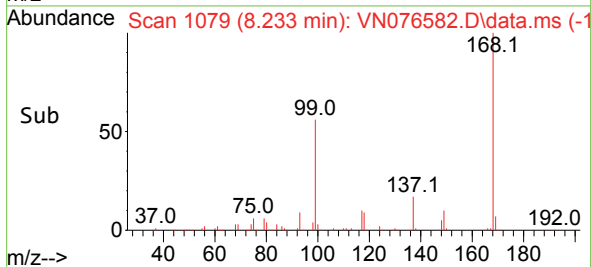
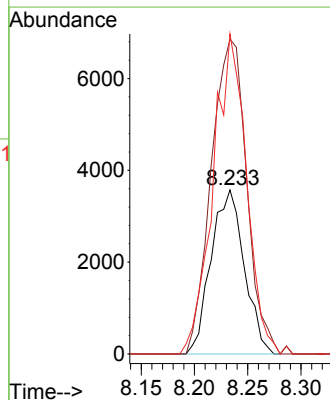
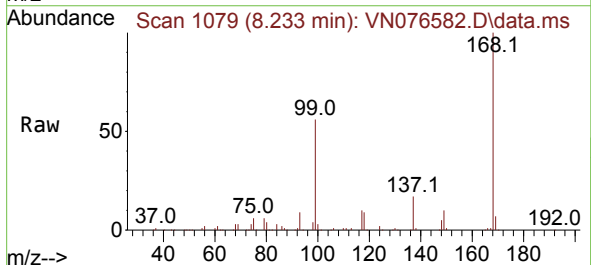
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

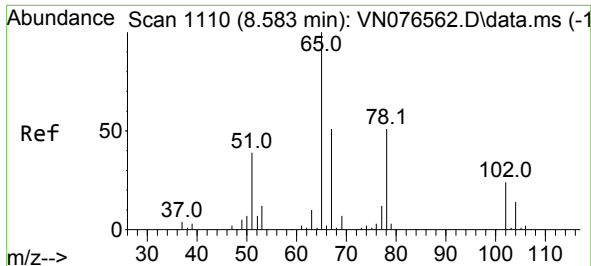
Tgt Ion: 42 Resp: 723
Ion Ratio Lower Upper
42 100
72 26.1 42.9 64.3#
71 41.2 39.9 59.9



#31
Cyclohexane
Concen: 0.810 ug/l
RT: 8.233 min Scan# 1079
Delta R.T. -0.032 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

Tgt Ion: 56 Resp: 7744
Ion Ratio Lower Upper
56 100
69 191.9 27.0 40.4#
84 195.2 79.5 119.3#





#33

1,2-Dichloroethane-d4

Concen: 39.854 ug/l

RT: 8.586 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

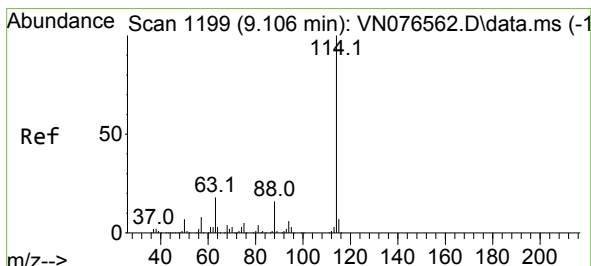
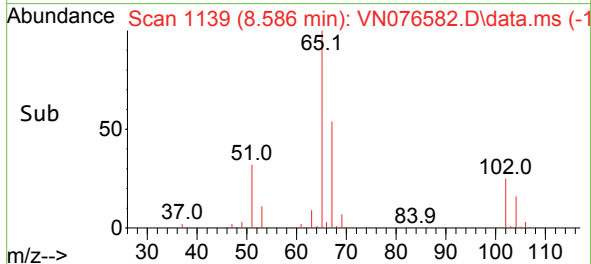
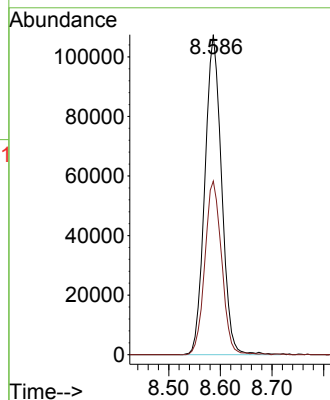
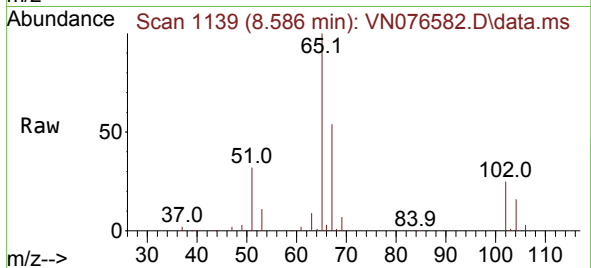
JPP-16-020223

Tgt Ion: 65 Resp: 241076

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.104 min Scan# 1227

Delta R.T. -0.002 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

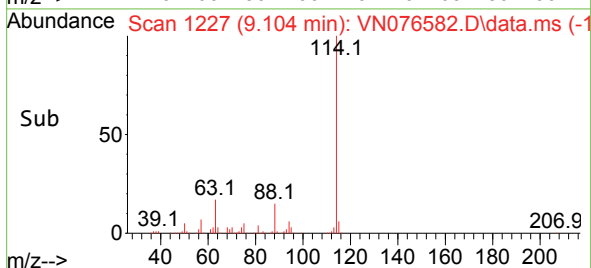
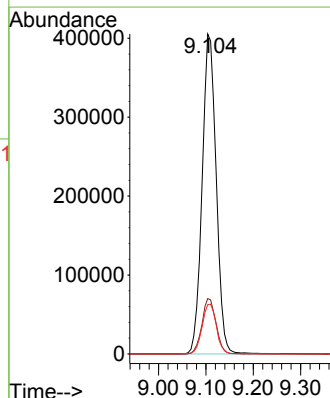
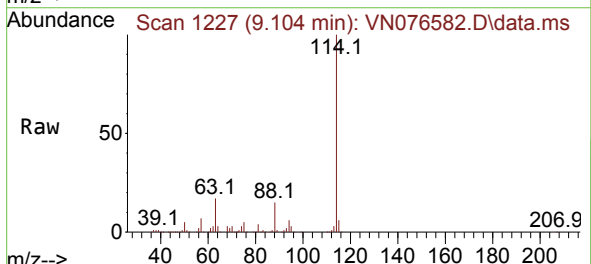
Tgt Ion: 114 Resp: 836086

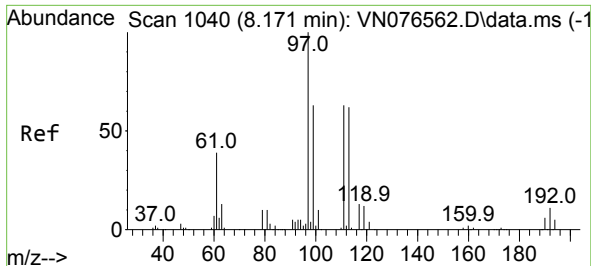
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 45.272 ug/l

RT: 8.175 min Scan# 1069

Delta R.T. 0.004 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

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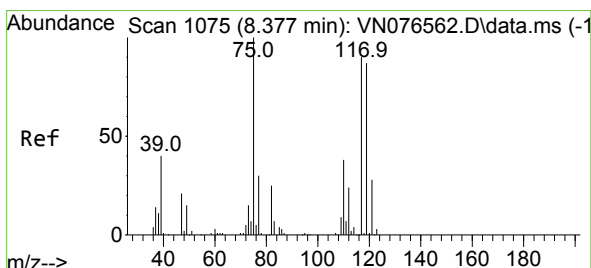
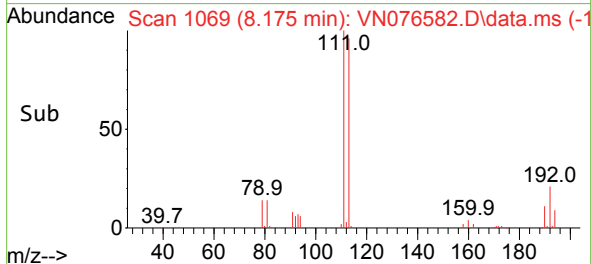
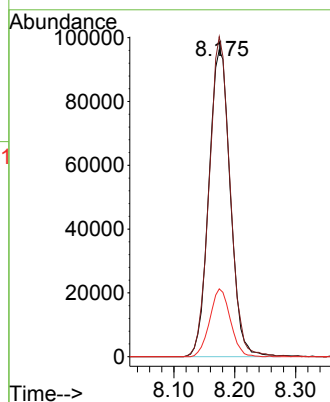
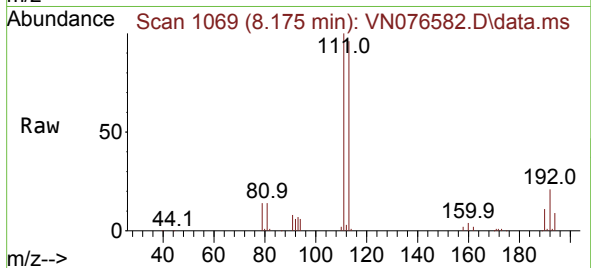
Tgt Ion:113 Resp: 235297

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

192 21.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.535 ug/l

RT: 8.227 min Scan# 1078

Delta R.T. -0.150 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

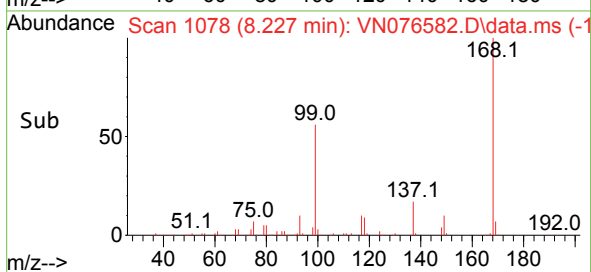
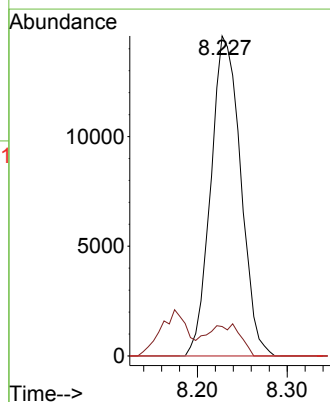
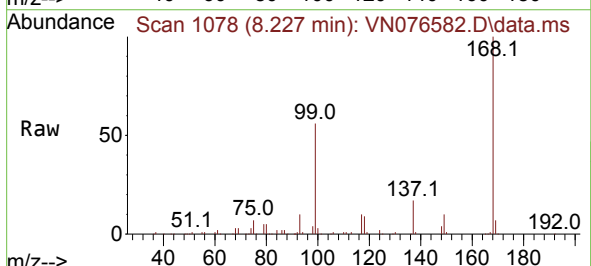
Tgt Ion: 75 Resp: 33656

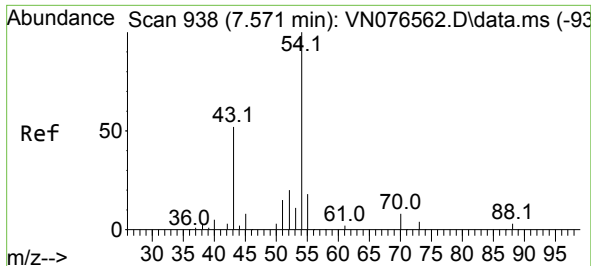
Ion Ratio Lower Upper

75 100

110 11.1 18.6 55.6#

77 0.0 25.1 37.7#

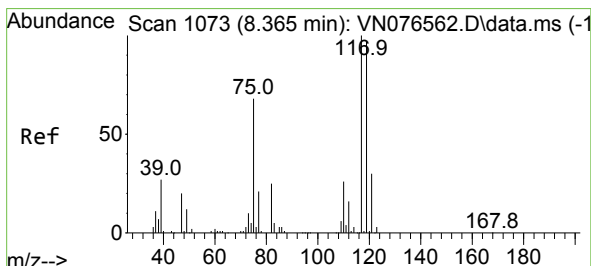
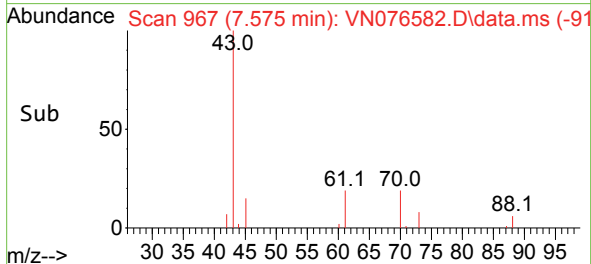
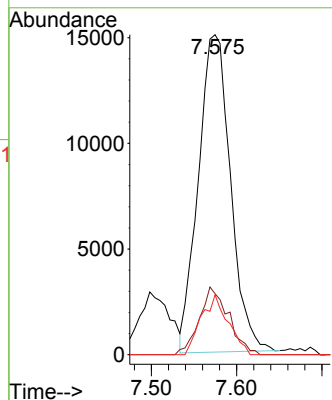
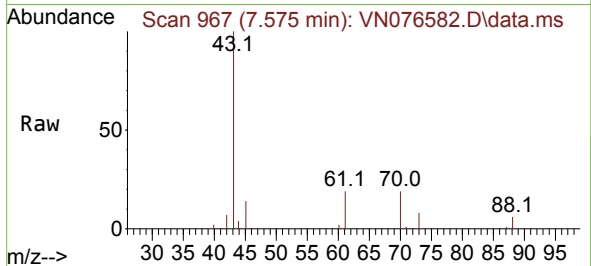




#37
Ethyl Acetate
Concen: 7.092 ug/l
RT: 7.575 min Scan# 90
Delta R.T. 0.004 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

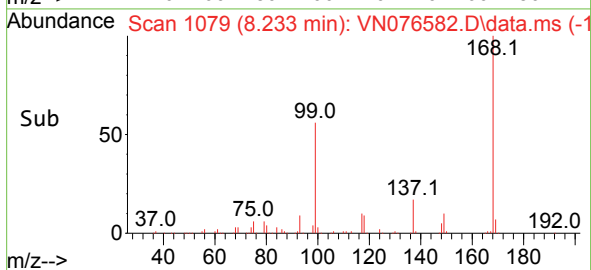
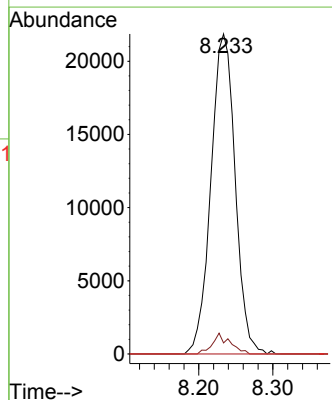
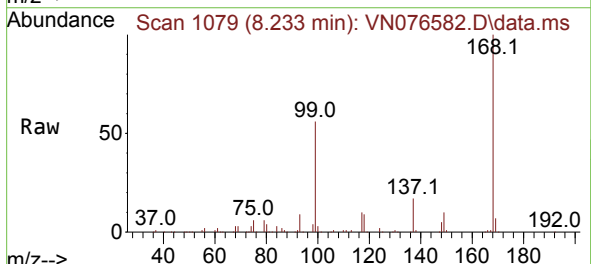
Instrument :
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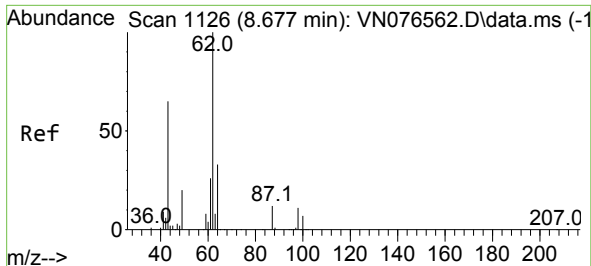
Tgt Ion: 43 Resp: 39427
Ion Ratio Lower Upper
43 100
61 19.4 11.8 17.6#
70 15.9 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 6.237 ug/l
RT: 8.233 min Scan# 1079
Delta R.T. -0.132 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

Tgt Ion: 117 Resp: 49763
Ion Ratio Lower Upper
117 100
119 3.4 77.2 115.8#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.236 ug/l

RT: 8.680 min Scan# 1155

Delta R.T. 0.003 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

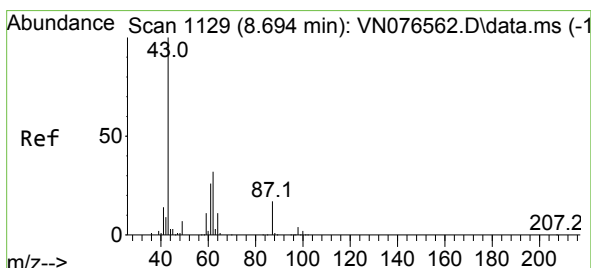
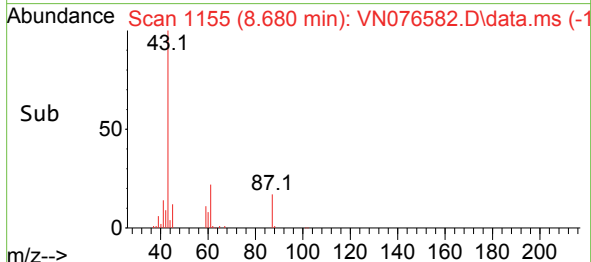
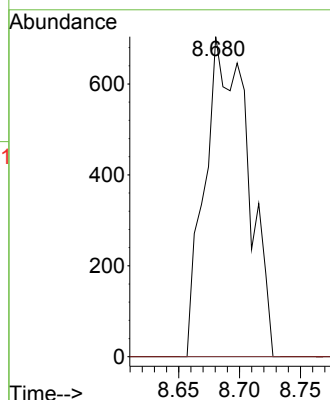
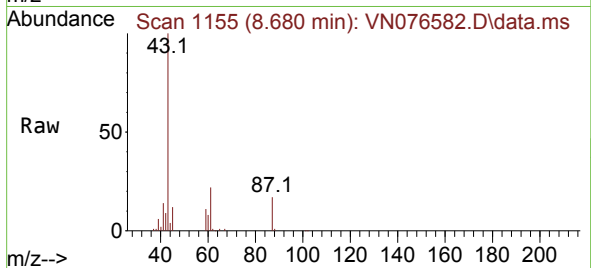
JPP-16-020223

Tgt Ion: 62 Resp: 1728

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6



#43

Isopropyl Acetate

Concen: 25.815 ug/l

RT: 8.692 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

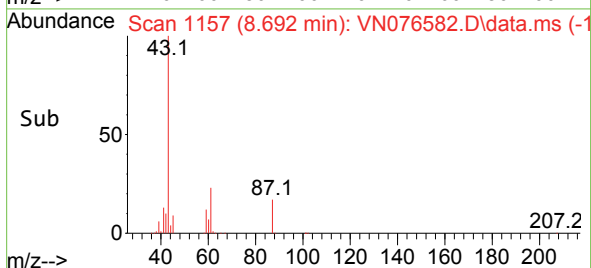
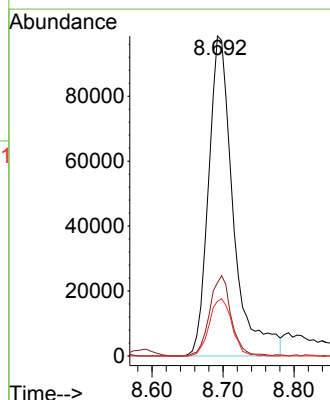
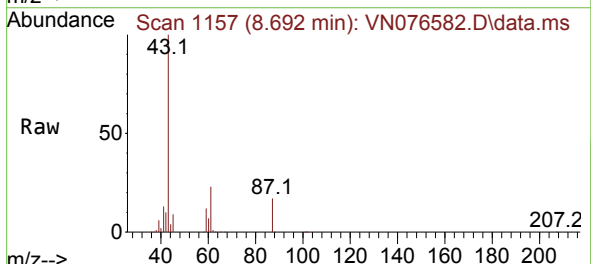
Tgt Ion: 43 Resp: 238816

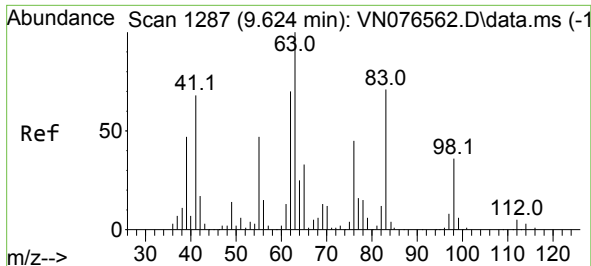
Ion Ratio Lower Upper

43 100

61 21.7 24.5 36.7#

87 16.3 13.6 20.4

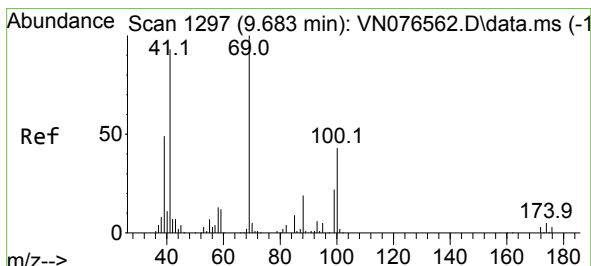
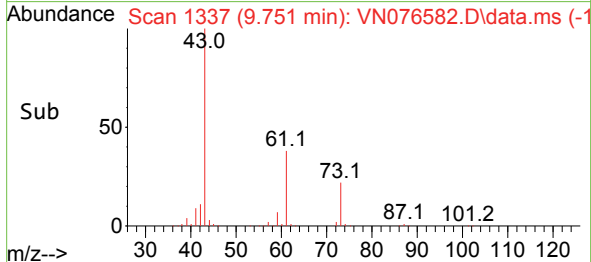
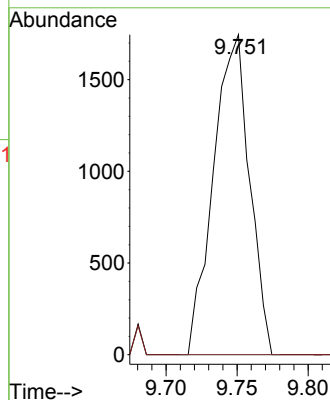
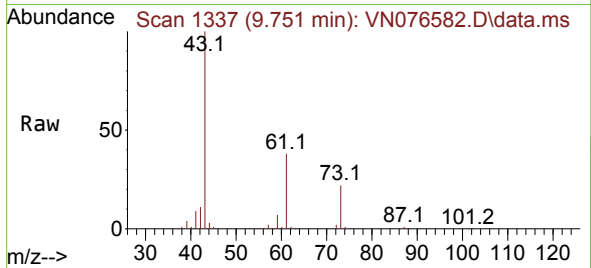




#45
1,2-Dichloropropane
Concen: 0.572 ug/l
RT: 9.751 min Scan# 11
Delta R.T. 0.127 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

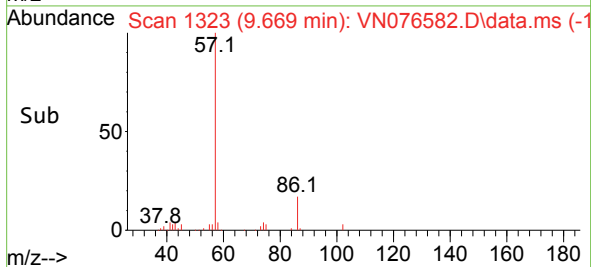
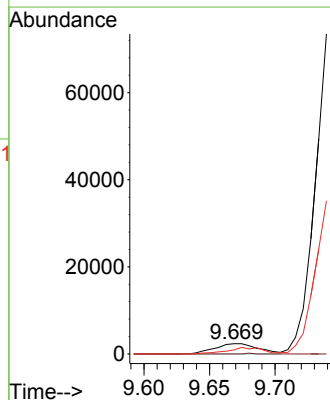
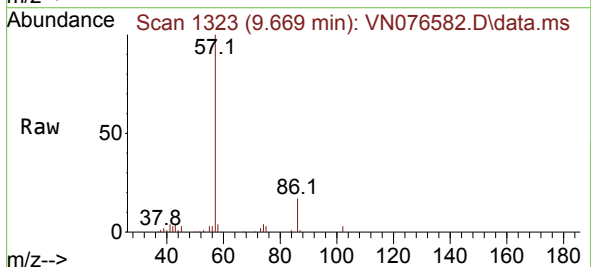
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

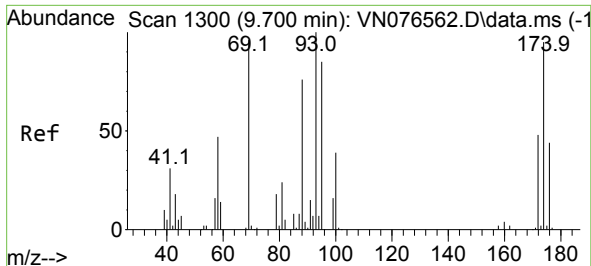
Tgt Ion: 63 Resp: 3089
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#



#48
Methyl methacrylate
Concen: 1.206 ug/l
RT: 9.669 min Scan# 1323
Delta R.T. -0.014 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

Tgt Ion: 41 Resp: 5485
Ion Ratio Lower Upper
41 100
69 1.3 83.0 124.4#
39 49.6 43.8 65.8





#49

1,4-Dioxane

Concen: 4.428 ug/l

RT: 9.745 min Scan# 11

Delta R.T. 0.045 min

Lab File: VN076582.D

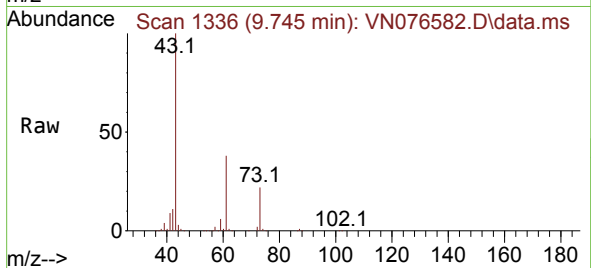
Acq: 08 Feb 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

JPP-16-020223



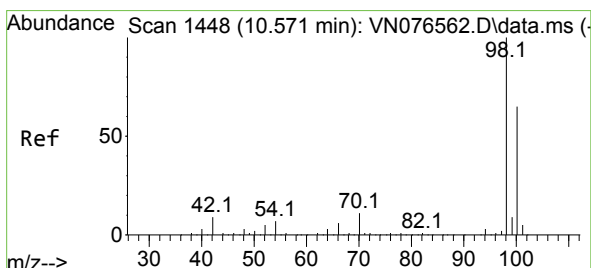
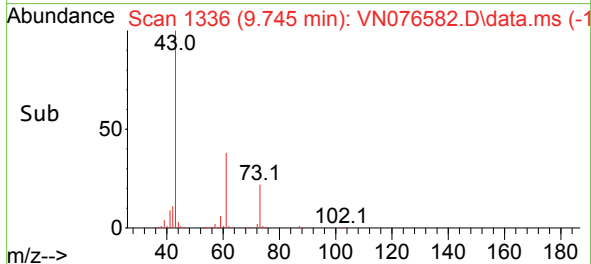
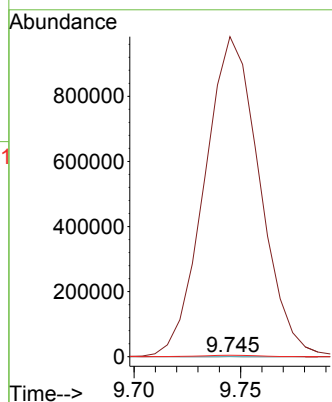
Tgt Ion: 88 Resp: 431

Ion Ratio Lower Upper

88 100

43 414054.1 16.7 25.1#

58 1934.3 51.7 77.5#



#50

Toluene-d8

Concen: 51.964 ug/l

RT: 10.569 min Scan# 1476

Delta R.T. -0.002 min

Lab File: VN076582.D

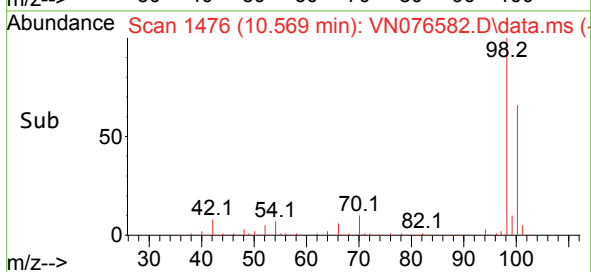
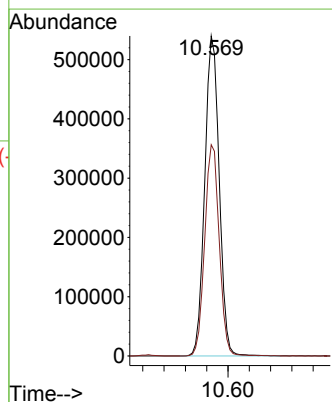
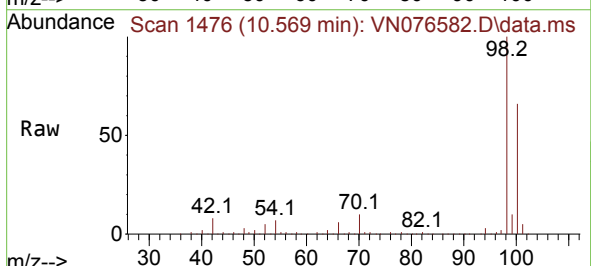
Acq: 08 Feb 2023 16:10

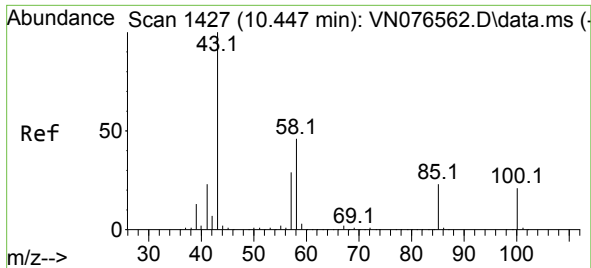
Tgt Ion: 98 Resp: 1016044

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 3.502 ug/l

RT: 10.451 min Scan# 1456

Delta R.T. 0.004 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

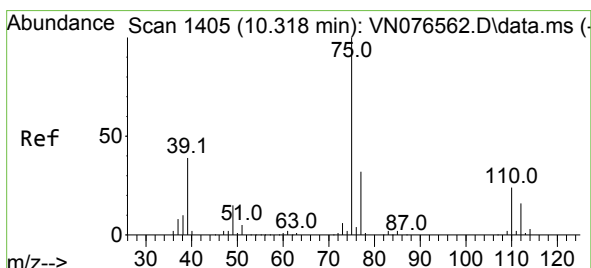
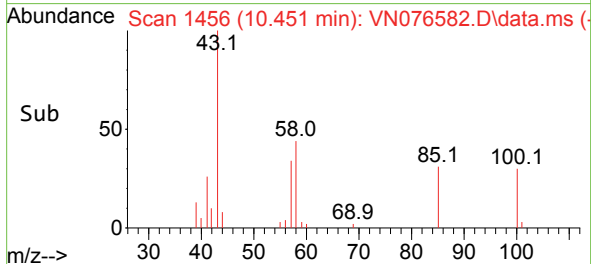
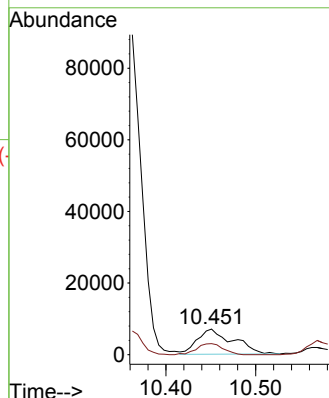
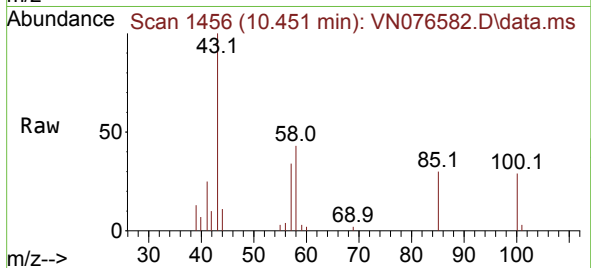
JPP-16-020223

Tgt Ion: 43 Resp: 19471

Ion Ratio Lower Upper

43 100

58 32.4 36.4 54.6#



#54

cis-1,3-Dichloropropene

Concen: 12.290 ug/l

RT: 10.363 min Scan# 1441

Delta R.T. 0.045 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

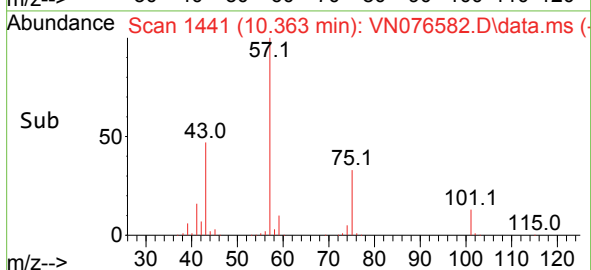
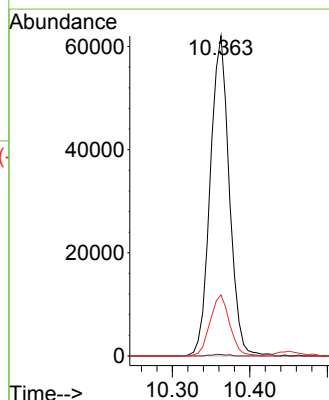
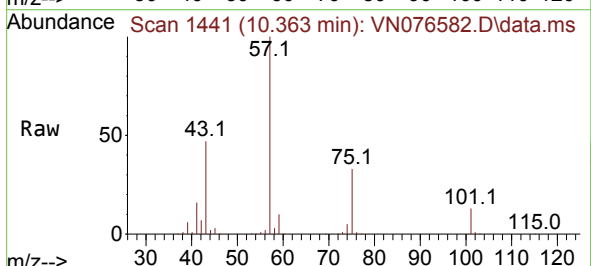
Tgt Ion: 75 Resp: 106126

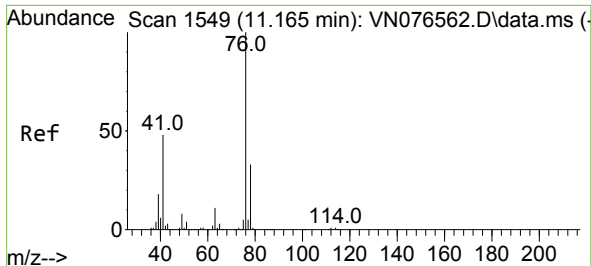
Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

39 19.1 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 1.503 ug/l

RT: 11.204 min Scan# 1584

Delta R.T. 0.039 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

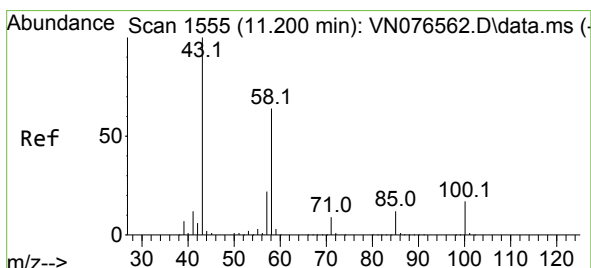
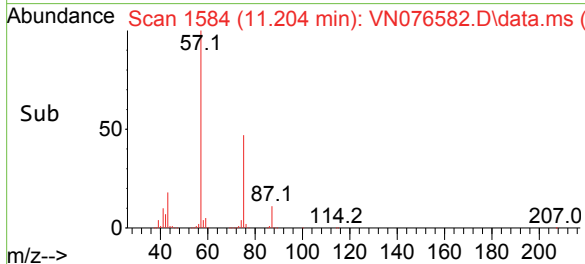
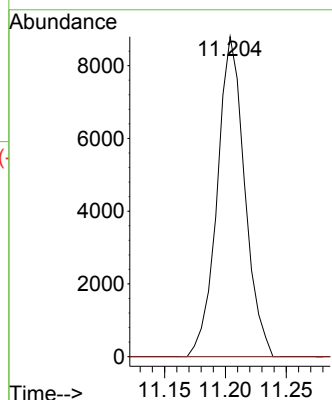
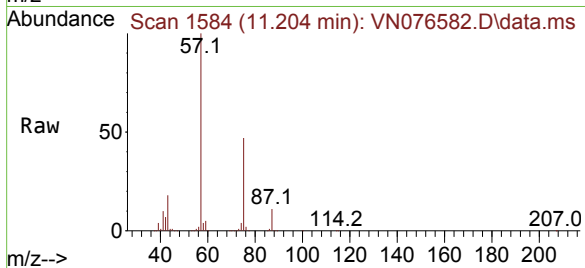
JPP-16-020223

Tgt Ion: 76 Resp: 13829

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 51.976 ug/l

RT: 11.174 min Scan# 1579

Delta R.T. -0.026 min

Lab File: VN076582.D

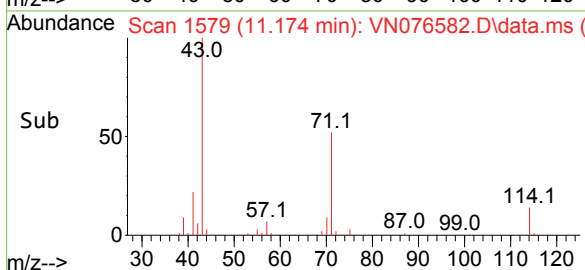
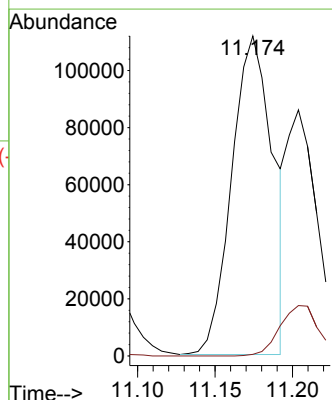
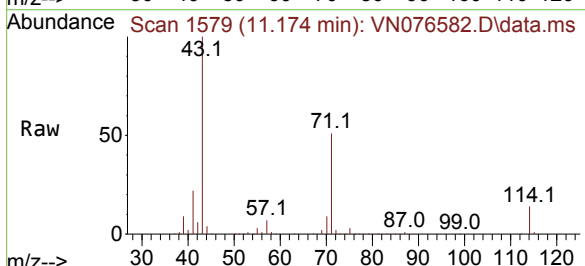
Acq: 08 Feb 2023 16:10

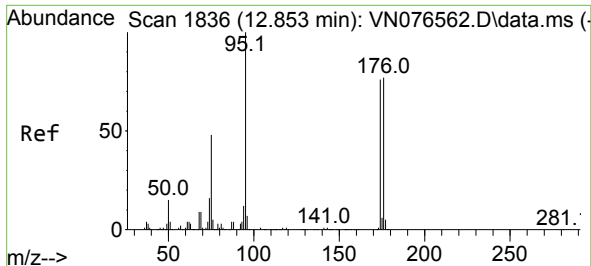
Tgt Ion: 43 Resp: 206023

Ion Ratio Lower Upper

43 100

58 0.0 31.8 95.4#

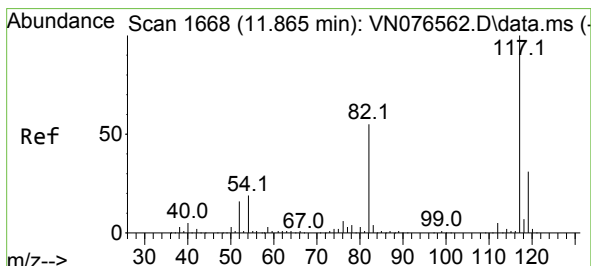
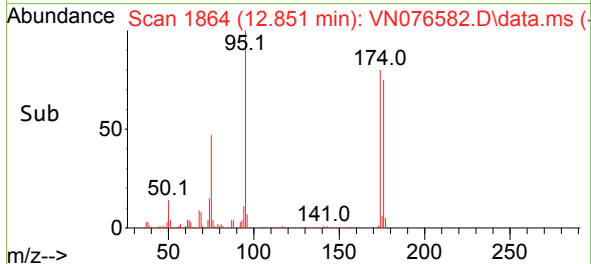
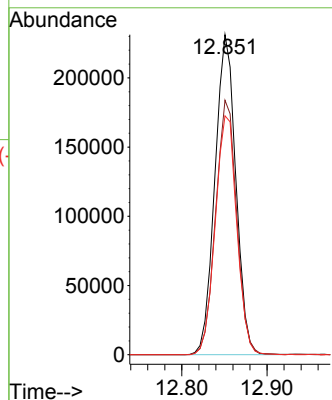
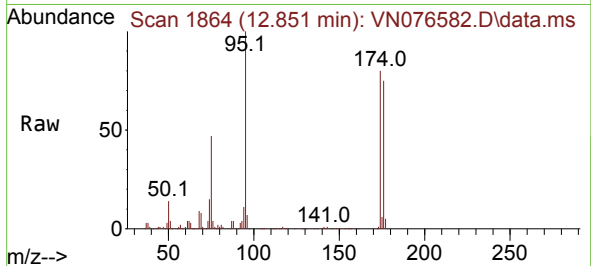




#62
4-Bromofluorobenzene
Concen: 57.187 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

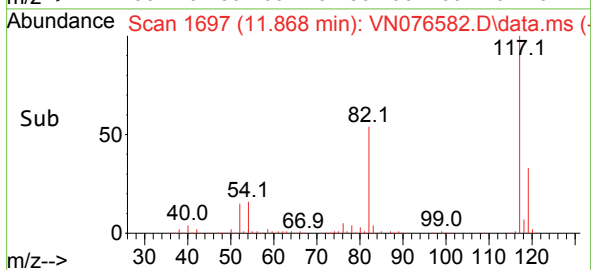
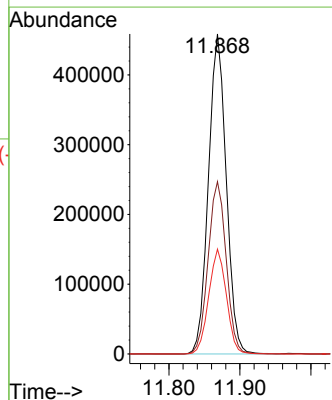
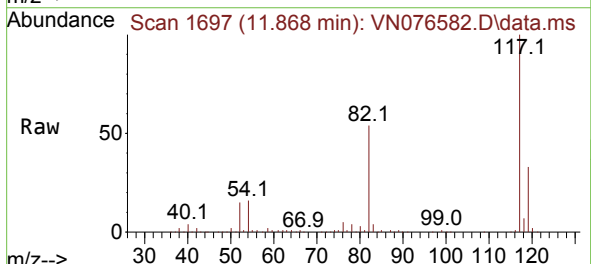
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

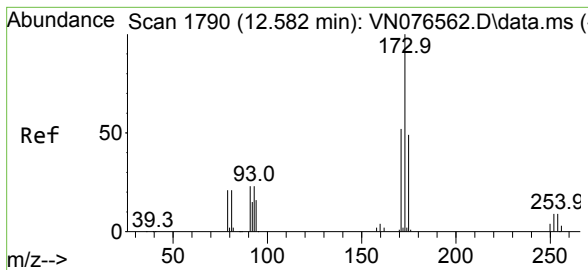
Tgt Ion: 95 Resp: 393925
Ion Ratio Lower Upper
95 100
174 80.2 0.0 154.0
176 76.9 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.868 min Scan# 1697
Delta R.T. 0.003 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

Tgt Ion: 117 Resp: 799032
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.4
119 32.7 25.1 37.7





#71

Bromoform

Concen: 0.436 ug/l

RT: 12.851 min Scan# 11

Delta R.T. 0.269 min

Lab File: VN076582.D

Acq: 08 Feb 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :

JPP-16-020223

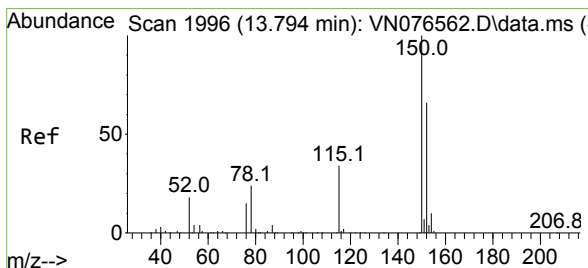
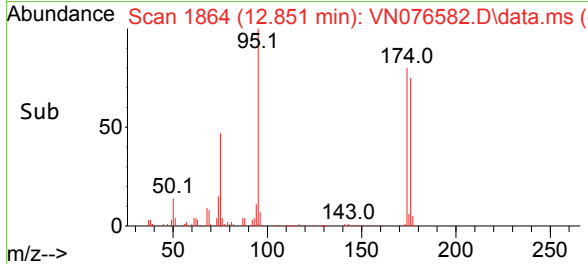
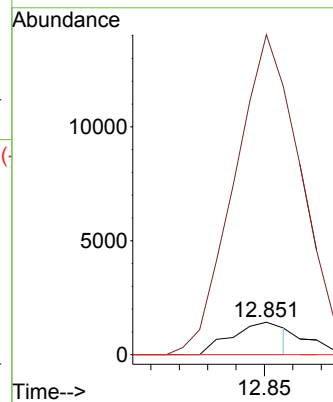
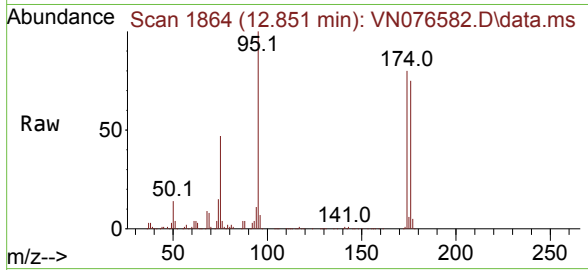
Tgt Ion:173 Resp: 1863

Ion Ratio Lower Upper

173 100

175 944.7 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: VN076582.D

Acq: 08 Feb 2023 16:10

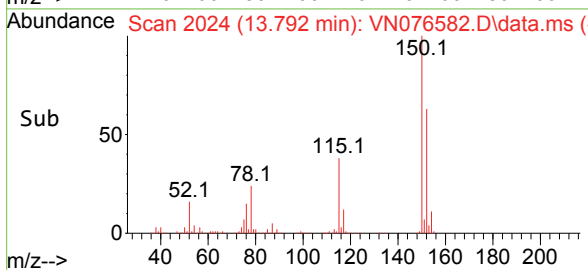
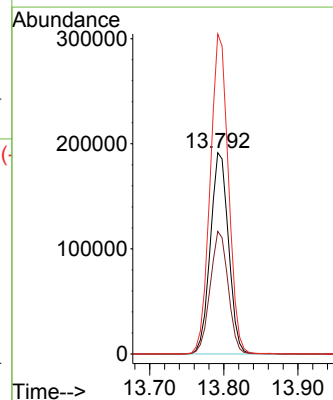
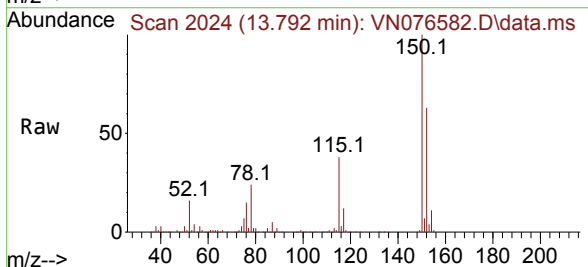
Tgt Ion:152 Resp: 326271

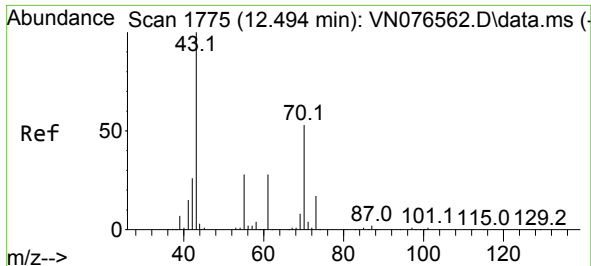
Ion Ratio Lower Upper

152 100

115 60.3 30.8 92.3

150 159.2 0.0 348.8

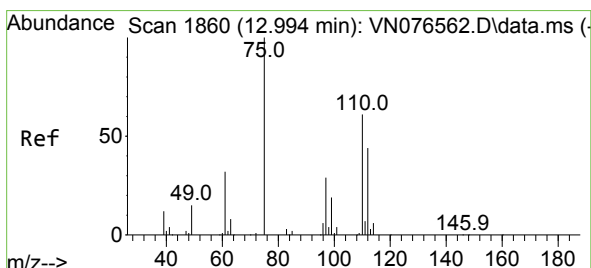
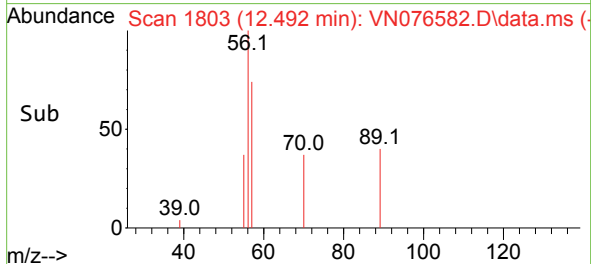
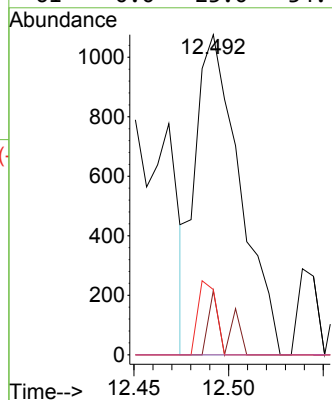
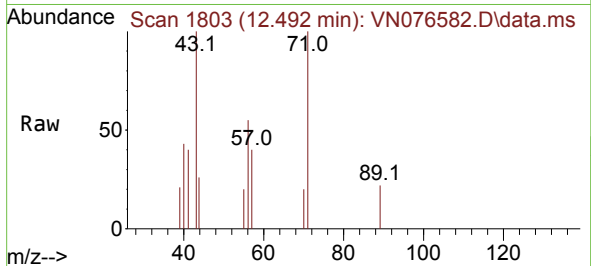




#74
N-amy1 acetate
Concen: 0.236 ug/l
RT: 12.492 min Scan# 1775
Delta R.T. -0.002 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

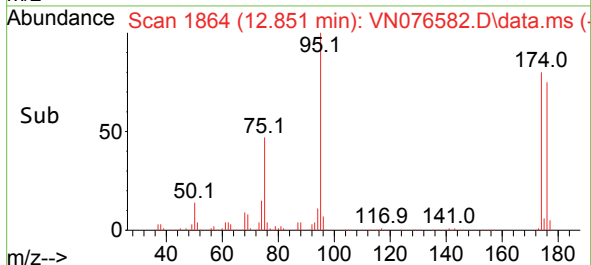
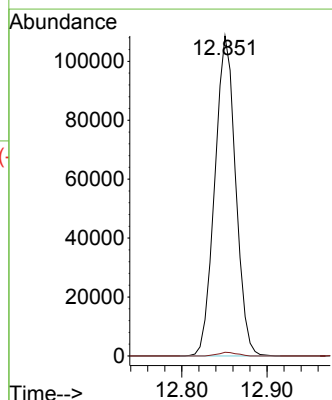
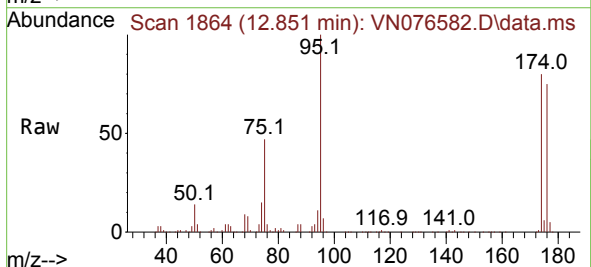
Instrument :
MSVOA_N
ClientSampleId :
JPP-16-020223

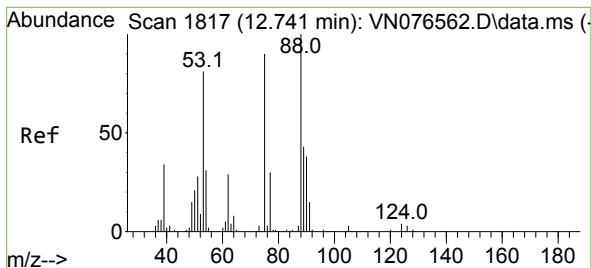
Tgt Ion:	43	Resp:	1755
Ion	Ratio	Lower	Upper
43	100		
70	7.5	43.1	64.7#
55	9.4	22.4	33.6#
61	0.0	23.0	34.4#



#76
1,2,3-Trichloropropane
Concen: 30.322 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.143 min
Lab File: VN076582.D
Acq: 08 Feb 2023 16:10

Tgt Ion:	75	Resp:	184583
Ion	Ratio	Lower	Upper
75	100		
77	1.0	87.5	262.5#

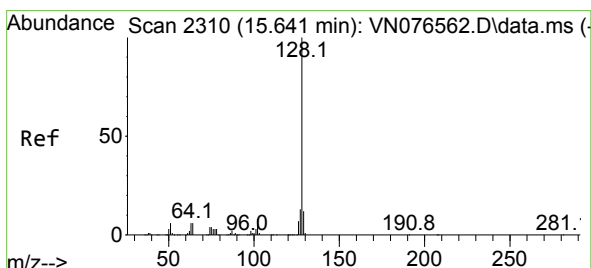
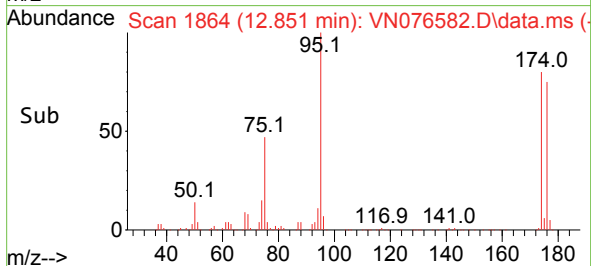
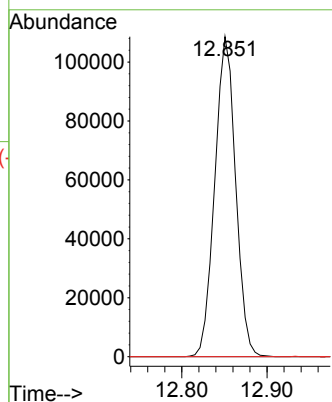
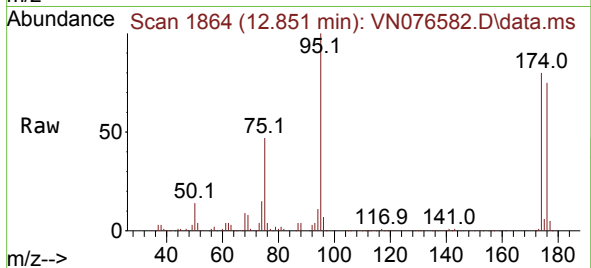




#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.108 ug/l
 RT: 12.851 min Scan# 1864
 Delta R.T. 0.110 min
 Lab File: VN076582.D
 Acq: 08 Feb 2023 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-16-020223

Tgt Ion: 75 Resp: 184583
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.1 115.7#
 89 0.0 41.5 62.3#



#95
 Naphthalene
 Concen: 0.316 ug/l
 RT: 15.645 min Scan# 2339
 Delta R.T. 0.004 min
 Lab File: VN076582.D
 Acq: 08 Feb 2023 16:10

Tgt Ion: 128 Resp: 4750
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.2 15.2
 129 8.3 8.6 13.0#

