

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076583.D
 Acq On : 08 Feb 2023 16:34
 Operator : JC\MD
 Sample : 01418-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-18A-020223

Quant Time: Feb 09 00:50:49 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)

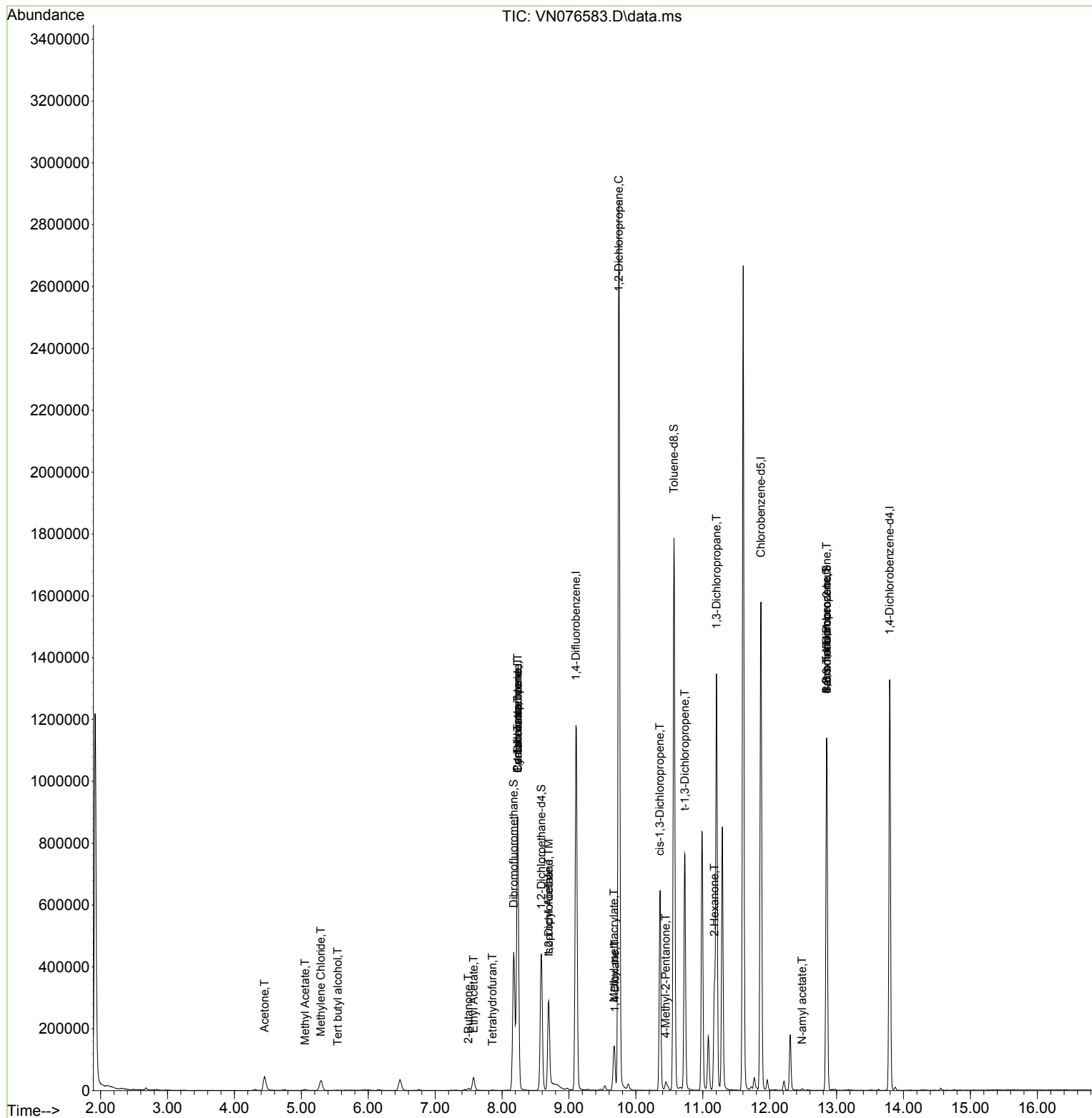
Internal Standards						
1) Pentafluorobenzene	8.233	168	660709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.104	114	1103111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.868	117	982889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.792	152	371338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.586	65	363101	46.561	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.120%
35) Dibromofluoromethane	8.175	113	326104	47.556	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.120%
50) Toluene-d8	10.569	98	1292690	50.110	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.851	95	417791	45.970	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.940%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.545	59	1799	1.771	ug/l #	72
16) Acetone	4.451	43	85291	33.174	ug/l	96
18) Methyl Acetate	5.057	43	6694	0.823	ug/l #	71
20) Methylene Chloride	5.292	84	27833	3.512	ug/l	99
25) 2-Butanone	7.498	43	10547	2.854	ug/l	96
29) Tetrahydrofuran	7.857	42	721	0.304	ug/l #	85
31) Cyclohexane	8.233	56	12201	0.990	ug/l #	1
36) 1,1-Dichloropropene	8.233	75	49221	5.027	ug/l #	48
37) Ethyl Acetate	7.575	43	64362	8.774	ug/l	98
38) Carbon Tetrachloride	8.233	117	66756	6.342	ug/l #	16
42) 1,2-Dichloroethane	8.698	62	2271	0.235	ug/l #	71
43) Isopropyl Acetate	8.698	43	329534	26.998	ug/l #	87
45) 1,2-Dichloropropane	9.745	63	3791	0.532	ug/l #	42
48) Methyl methacrylate	9.675	41	7630	1.271	ug/l #	30
49) 1,4-Dioxane	9.686	88	55	0.428	ug/l #	1
51) 4-Methyl-2-Pentanone	10.445	43	26398	3.599	ug/l #	80
53) t-1,3-Dichloropropene	10.733	75	2354	0.236	ug/l #	73
54) cis-1,3-Dichloropropene	10.357	75	131482	11.541	ug/l #	60
57) 1,3-Dichloropropane	11.204	76	15611	1.286	ug/l #	42
59) 2-Hexanone	11.174	43	272637	52.132	ug/l #	18
71) Bromoform	12.851	173	2030	0.386	ug/l #	1
74) N-amyl acetate	12.486	43	3564	0.420	ug/l #	38
76) 1,2,3-Trichloropropane	12.851	75	204384	29.500	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.851	75	204384	90.584	ug/l #	10

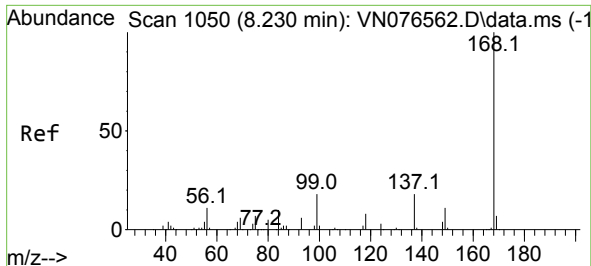
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

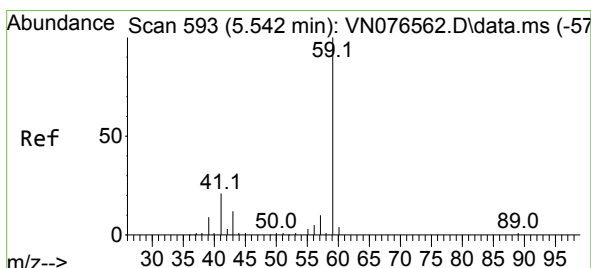
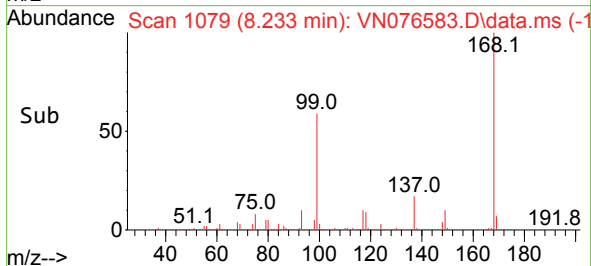
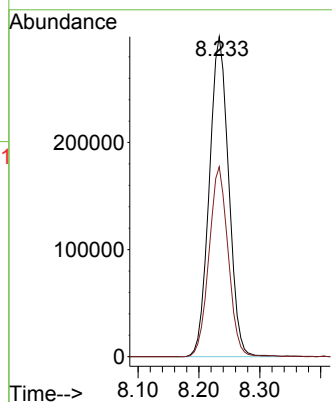
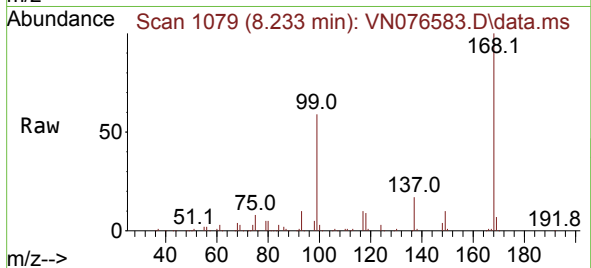




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.233 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

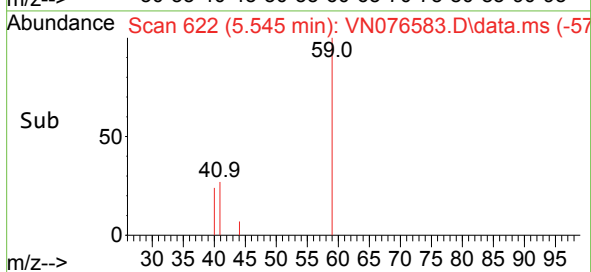
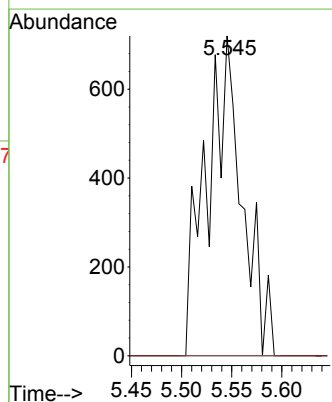
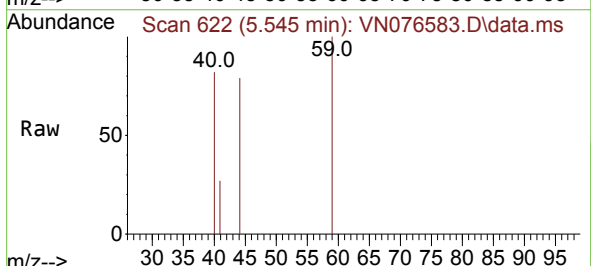
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

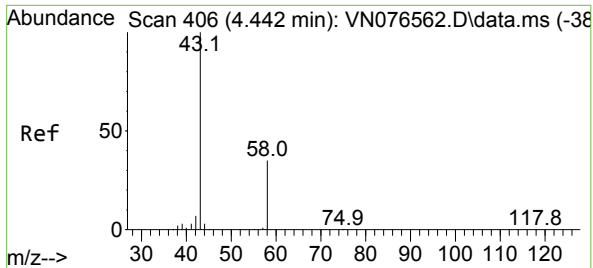
Tgt Ion:168 Resp: 660709
Ion Ratio Lower Upper
168 100
99 59.3 47.8 71.8



#11
Tert butyl alcohol
Concen: 1.771 ug/l
RT: 5.545 min Scan# 622
Delta R.T. 0.003 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

Tgt Ion: 59 Resp: 1799
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

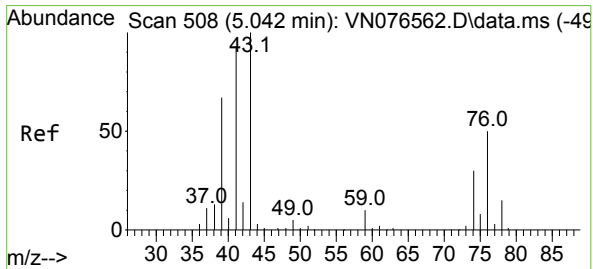
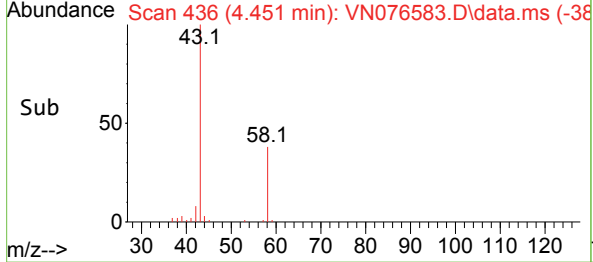
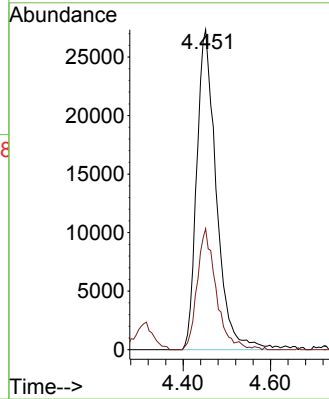
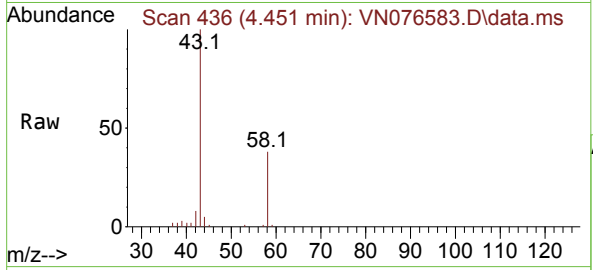




#16
Acetone
Concen: 33.174 ug/l
RT: 4.451 min Scan# 41
Delta R.T. 0.009 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

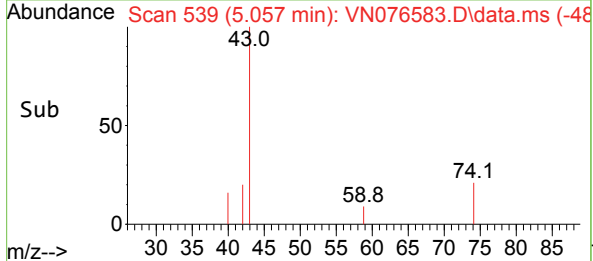
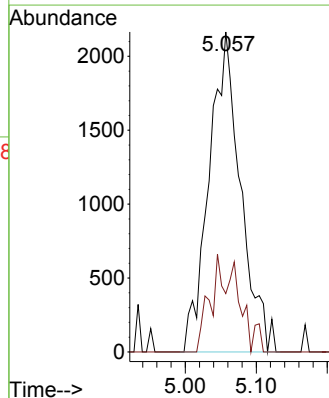
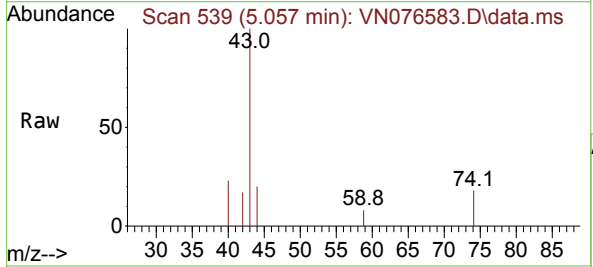
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

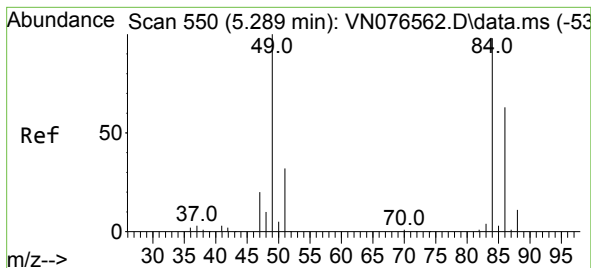
Tgt Ion: 43 Resp: 85291
Ion Ratio Lower Upper
43 100
58 37.8 28.4 42.6



#18
Methyl Acetate
Concen: 0.823 ug/l
RT: 5.057 min Scan# 539
Delta R.T. 0.015 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

Tgt Ion: 43 Resp: 6694
Ion Ratio Lower Upper
43 100
74 14.0 23.9 35.9#





#20

Methylene Chloride

Concen: 3.512 ug/l

RT: 5.292 min Scan# 51

Delta R.T. 0.003 min

Lab File: VN076583.D

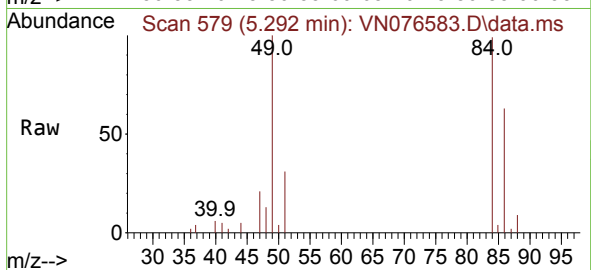
Acq: 08 Feb 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

JPP-18A-020223



Tgt Ion: 84 Resp: 27833

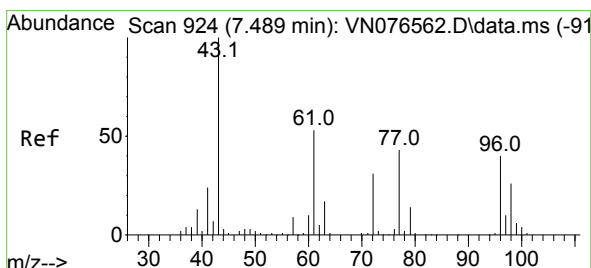
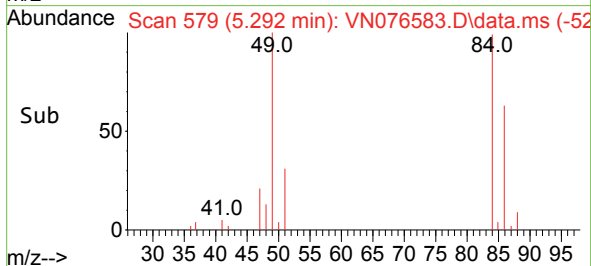
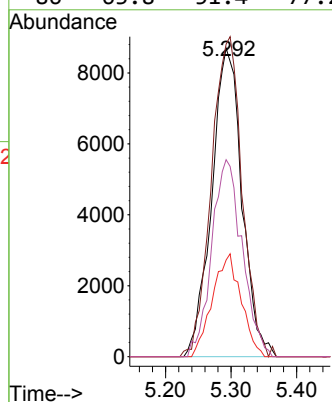
Ion Ratio Lower Upper

84 100

49 101.3 82.0 123.0

51 31.3 26.0 39.0

86 63.8 51.4 77.2



#25

2-Butanone

Concen: 2.854 ug/l

RT: 7.498 min Scan# 954

Delta R.T. 0.009 min

Lab File: VN076583.D

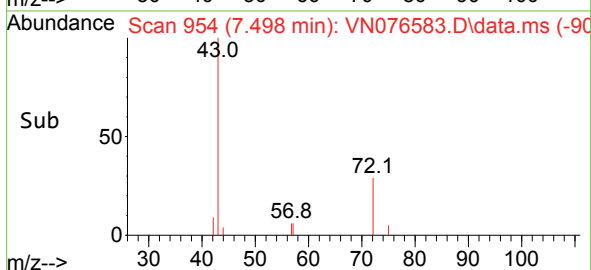
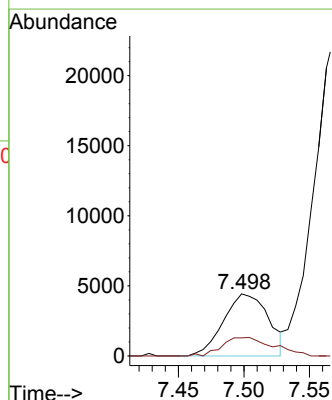
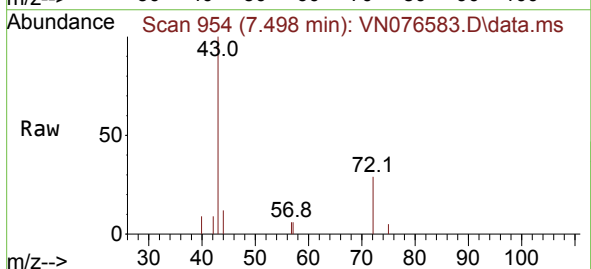
Acq: 08 Feb 2023 16:34

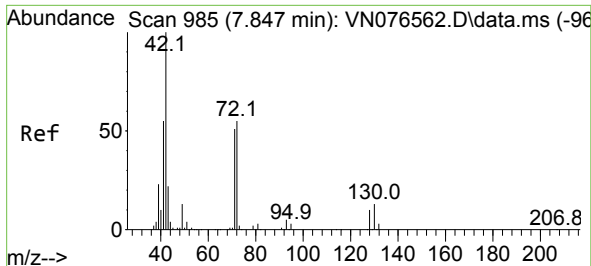
Tgt Ion: 43 Resp: 10547

Ion Ratio Lower Upper

43 100

72 29.1 25.1 37.7





#29

Tetrahydrofuran

Concen: 0.304 ug/l

RT: 7.857 min Scan# 1079

Delta R.T. 0.010 min

Lab File: VN076583.D

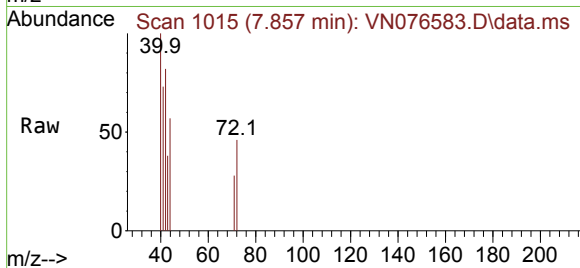
Acq: 08 Feb 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

JPP-18A-020223



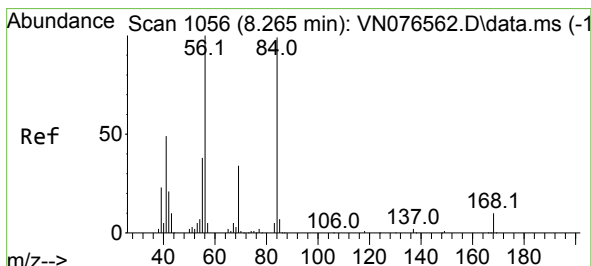
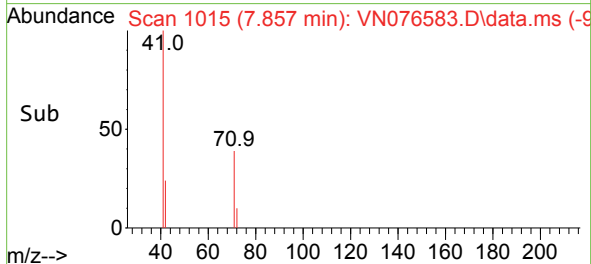
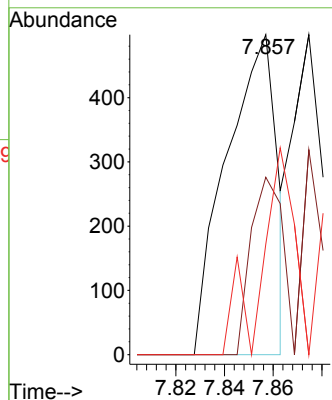
Tgt Ion: 42 Resp: 721

Ion Ratio Lower Upper

42 100

72 34.7 42.9 64.3#

71 52.3 39.9 59.9



#31

Cyclohexane

Concen: 0.990 ug/l

RT: 8.233 min Scan# 1079

Delta R.T. -0.032 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

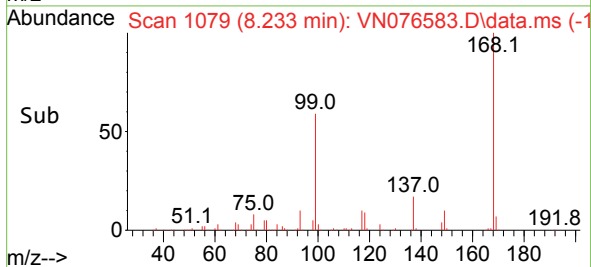
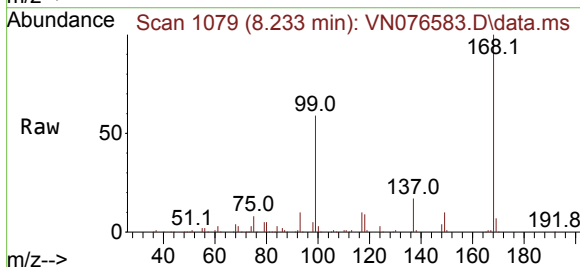
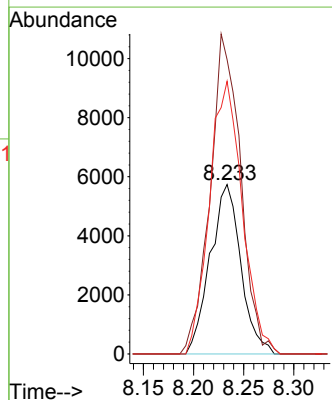
Tgt Ion: 56 Resp: 12201

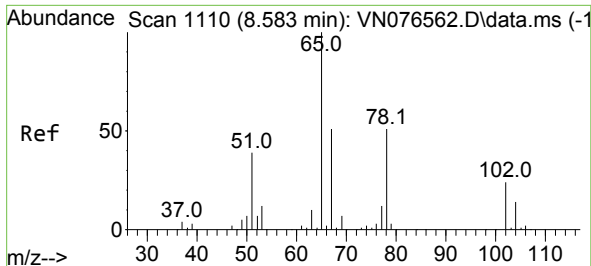
Ion Ratio Lower Upper

56 100

69 173.8 27.0 40.4#

84 160.9 79.5 119.3#





#33

1,2-Dichloroethane-d4

Concen: 46.561 ug/l

RT: 8.586 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

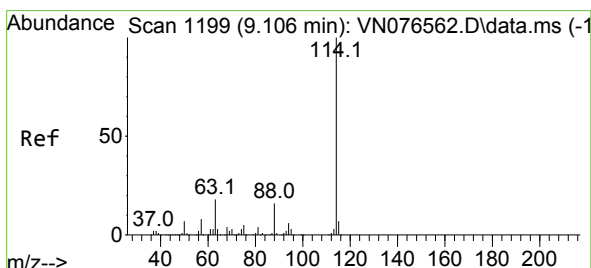
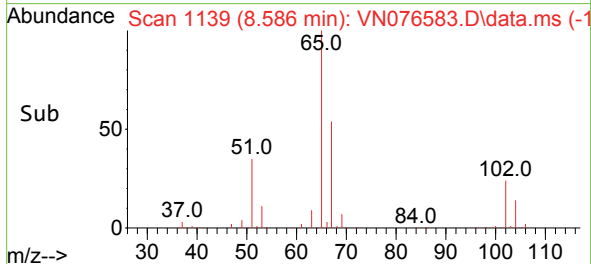
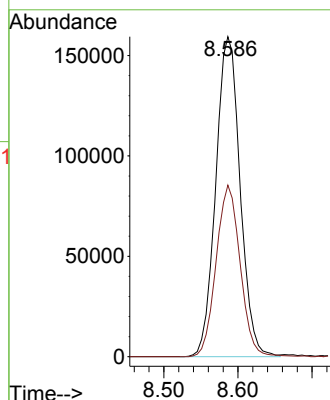
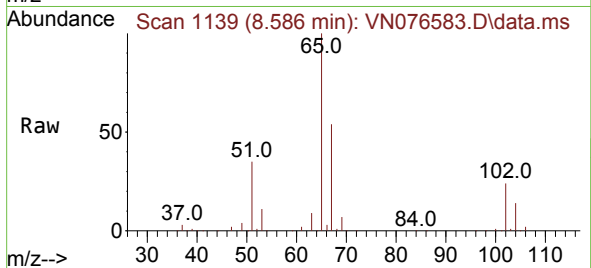
JPP-18A-020223

Tgt Ion: 65 Resp: 363101

Ion Ratio Lower Upper

65 100

67 53.0 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: VN076583.D

Acq: 08 Feb 2023 16:34

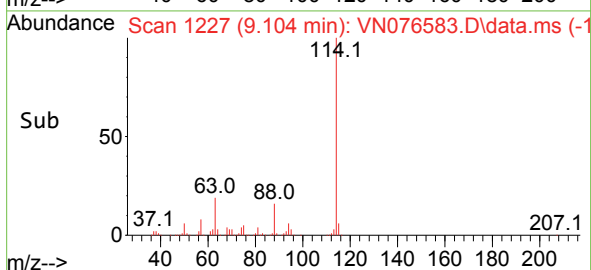
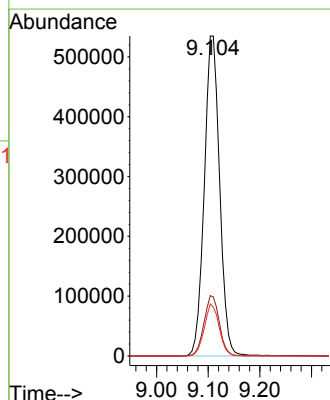
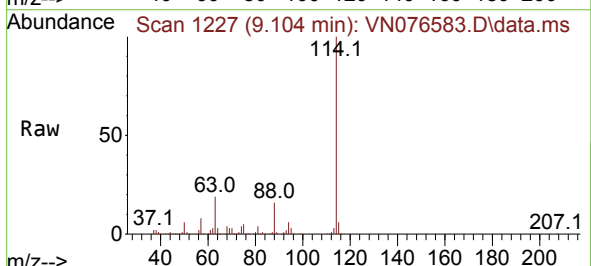
Tgt Ion: 114 Resp: 1103111

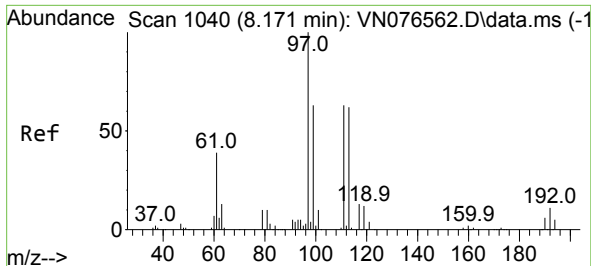
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.6

88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.556 ug/l

RT: 8.175 min Scan# 1040

Delta R.T. 0.004 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

Instrument :

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ClientSampleId :

JPP-18A-020223

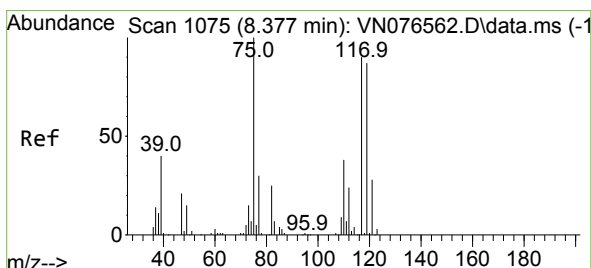
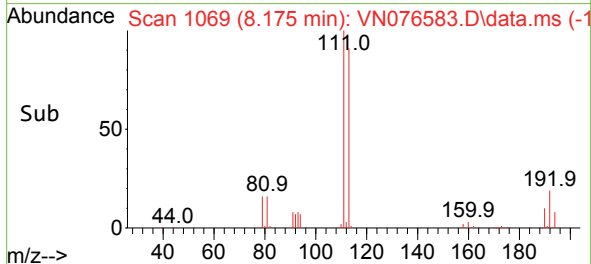
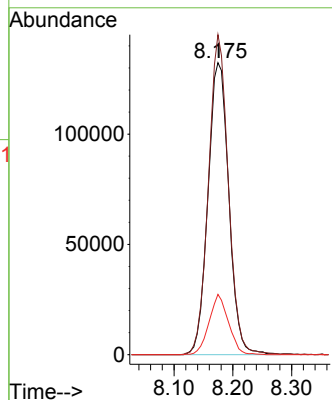
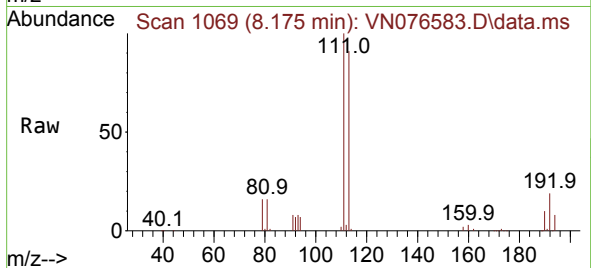
Tgt Ion:113 Resp: 326104

Ion Ratio Lower Upper

113 100

111 104.5 82.0 123.0

192 19.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.027 ug/l

RT: 8.233 min Scan# 1079

Delta R.T. -0.144 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

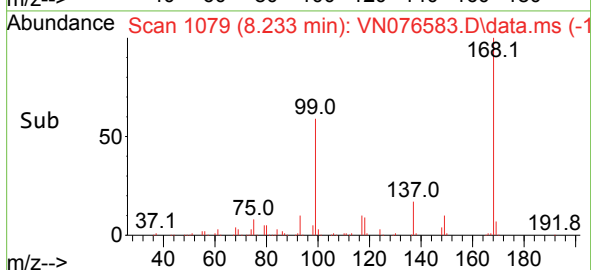
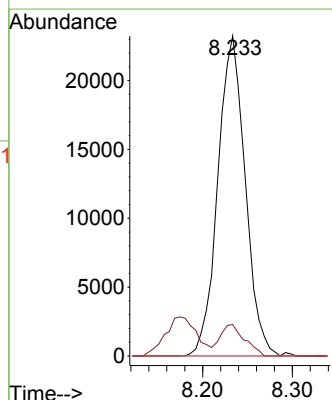
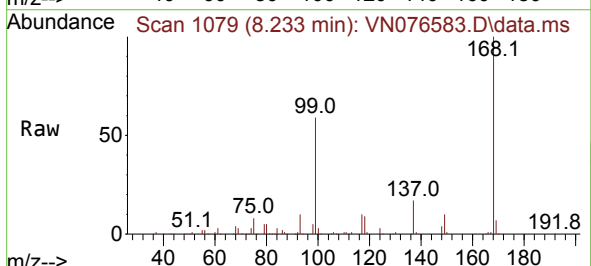
Tgt Ion: 75 Resp: 49221

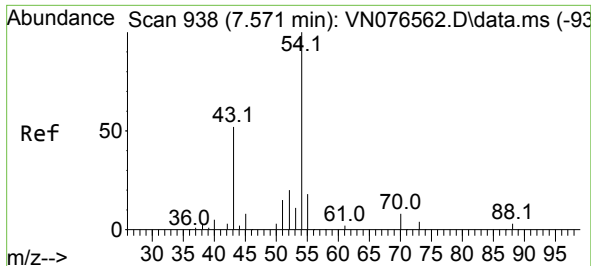
Ion Ratio Lower Upper

75 100

110 8.7 18.6 55.6#

77 0.0 25.1 37.7#

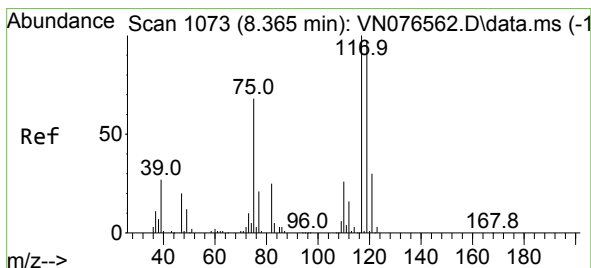
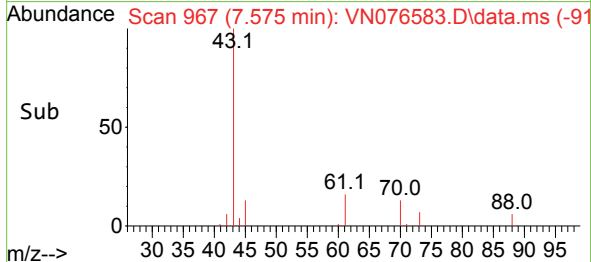
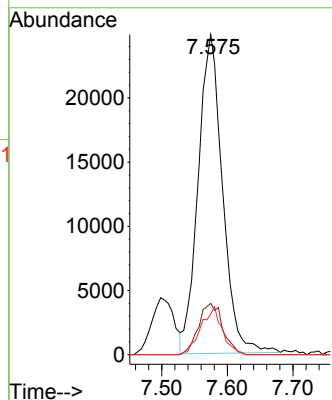
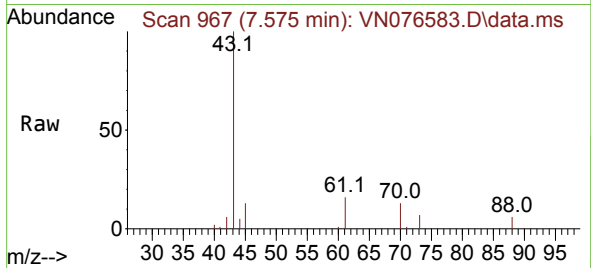




#37
Ethyl Acetate
Concen: 8.774 ug/l
RT: 7.575 min Scan# 91
Delta R.T. 0.004 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

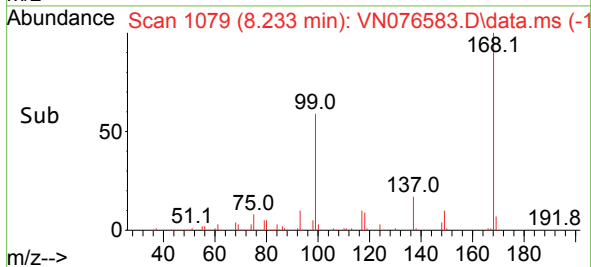
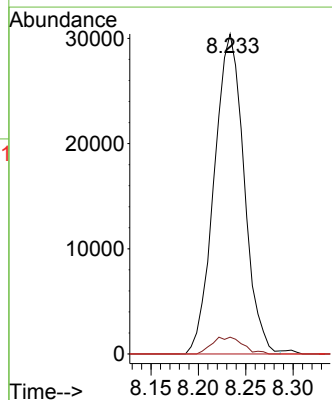
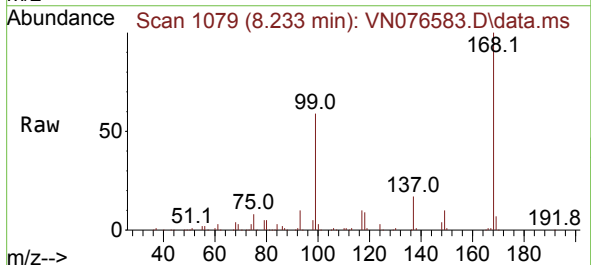
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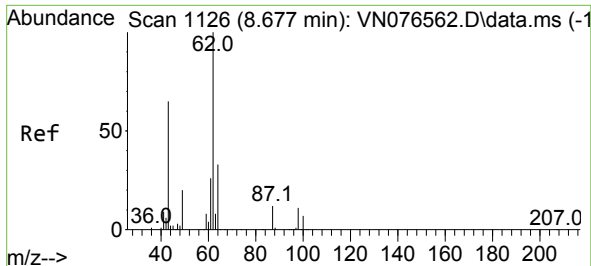
Tgt Ion:	43	Resp:	64362
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.8	17.6
70	13.1	10.4	15.6



#38
Carbon Tetrachloride
Concen: 6.342 ug/l
RT: 8.233 min Scan# 1079
Delta R.T. -0.132 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

Tgt Ion:	117	Resp:	66756
Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.2	115.8#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.235 ug/l

RT: 8.698 min Scan# 1158

Delta R.T. 0.021 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

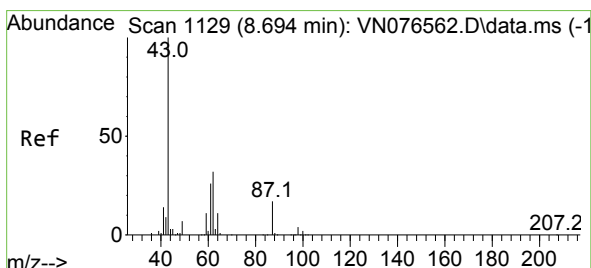
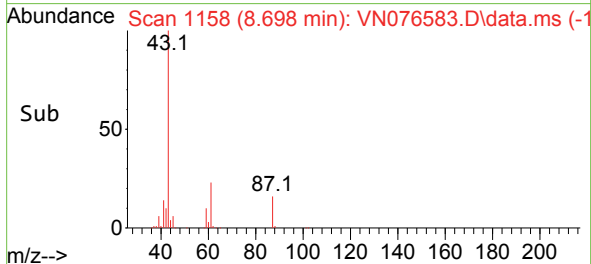
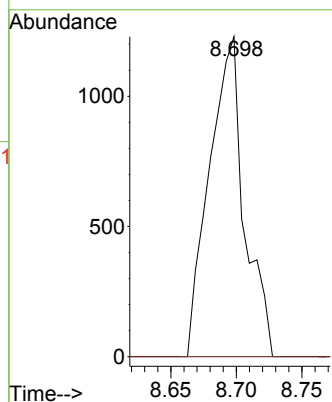
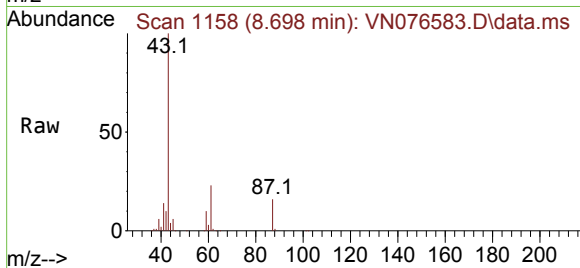
JPP-18A-020223

Tgt Ion: 62 Resp: 2271

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6



#43

Isopropyl Acetate

Concen: 26.998 ug/l

RT: 8.698 min Scan# 1158

Delta R.T. 0.004 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

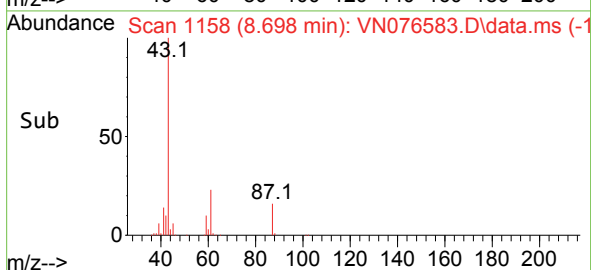
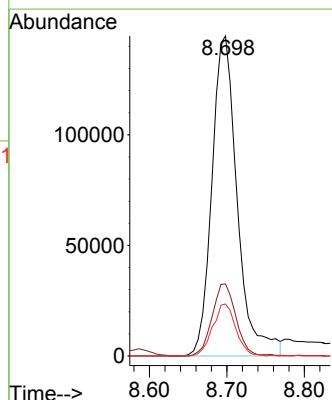
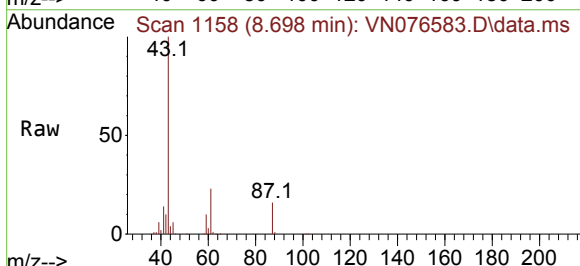
Tgt Ion: 43 Resp: 329534

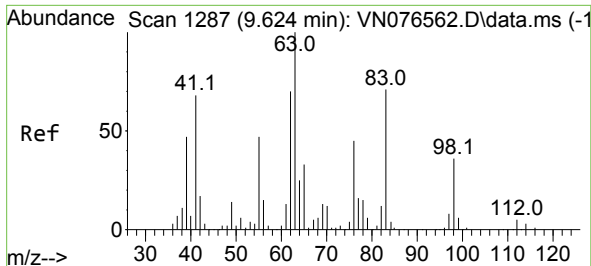
Ion Ratio Lower Upper

43 100

61 21.2 24.5 36.7#

87 14.8 13.6 20.4





#45

1,2-Dichloropropane

Concen: 0.532 ug/l

RT: 9.745 min Scan# 11

Delta R.T. 0.121 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

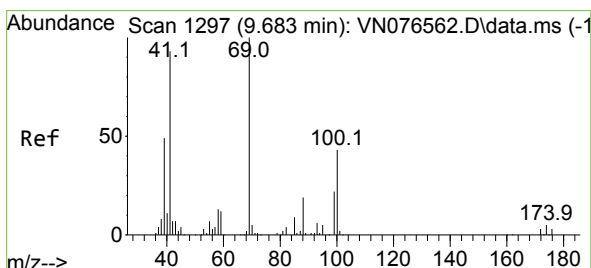
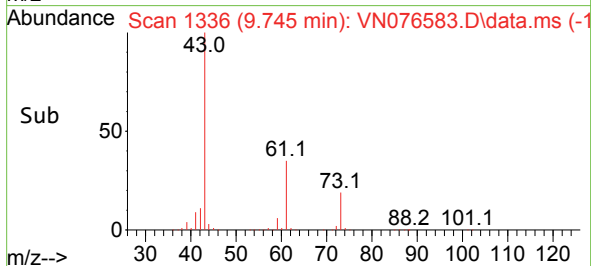
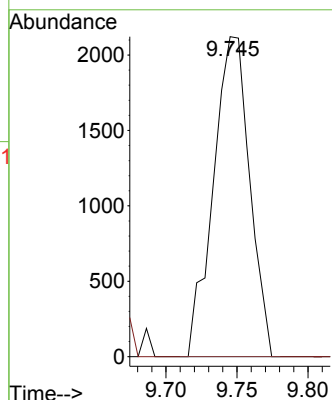
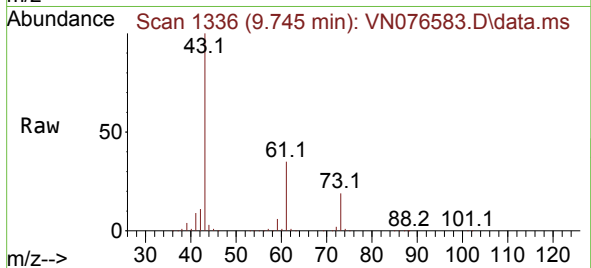
JPP-18A-020223

Tgt Ion: 63 Resp: 3791

Ion Ratio Lower Upper

63 100

65 0.0 26.0 39.0#



#48

Methyl methacrylate

Concen: 1.271 ug/l

RT: 9.675 min Scan# 1324

Delta R.T. -0.008 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

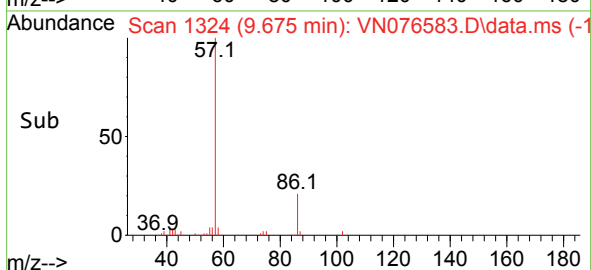
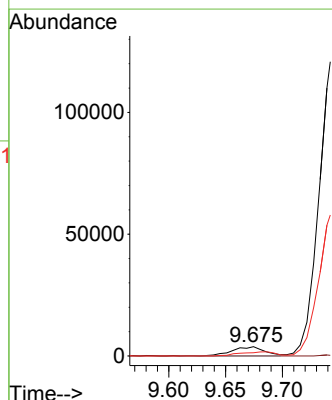
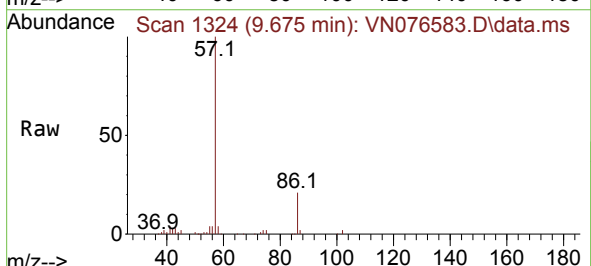
Tgt Ion: 41 Resp: 7630

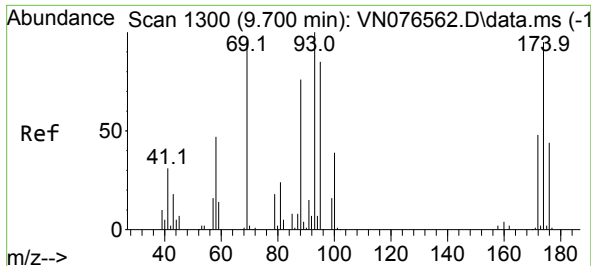
Ion Ratio Lower Upper

41 100

69 0.0 83.0 124.4#

39 48.0 43.8 65.8





#49

1,4-Dioxane

Concen: 0.428 ug/l

RT: 9.686 min Scan# 11

Delta R.T. -0.014 min

Lab File: VN076583.D

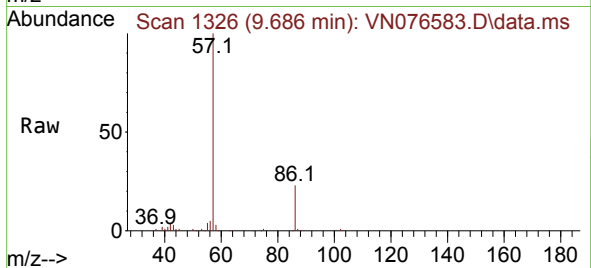
Acq: 08 Feb 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

JPP-18A-020223



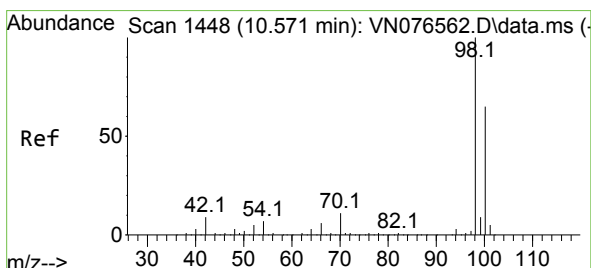
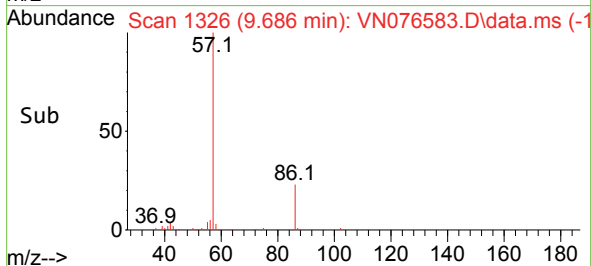
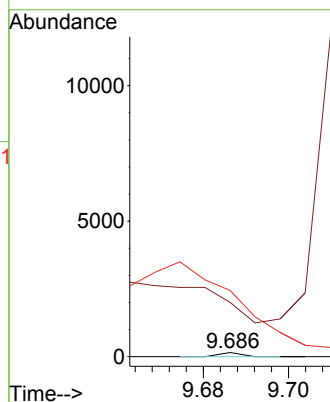
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1#

58 13594.5 51.7 77.5#



#50

Toluene-d8

Concen: 50.110 ug/l

RT: 10.569 min Scan# 1476

Delta R.T. -0.002 min

Lab File: VN076583.D

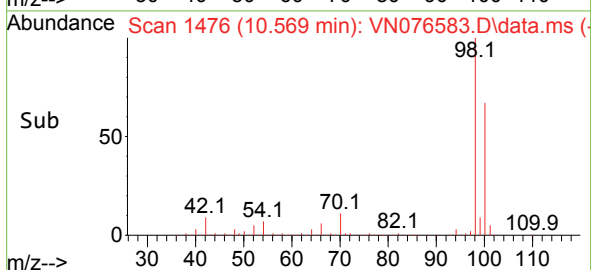
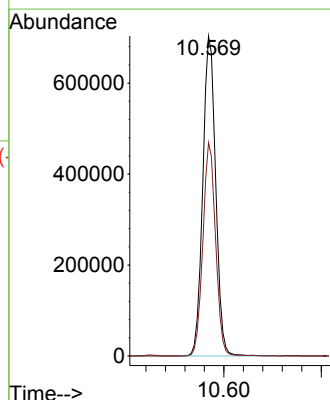
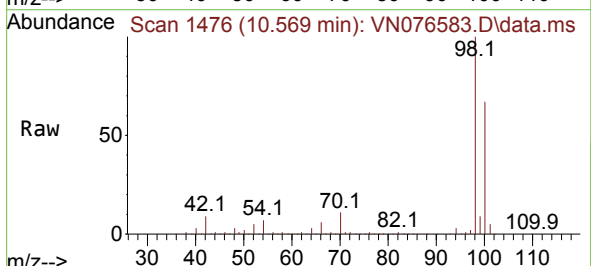
Acq: 08 Feb 2023 16:34

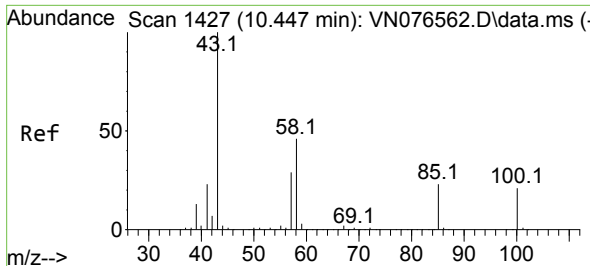
Tgt Ion: 98 Resp: 1292690

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 3.599 ug/l

RT: 10.445 min Scan# 14

Delta R.T. -0.002 min

Lab File: VN076583.D

Acq: 08 Feb 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

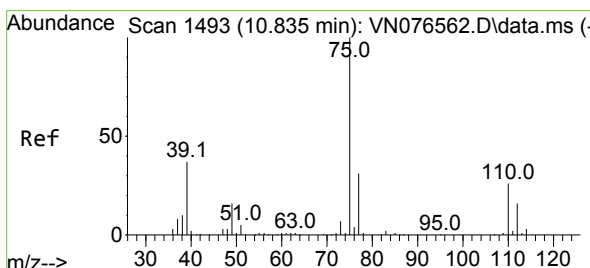
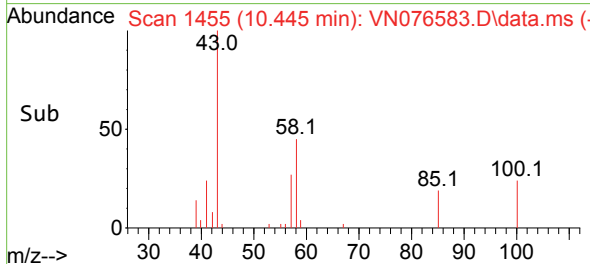
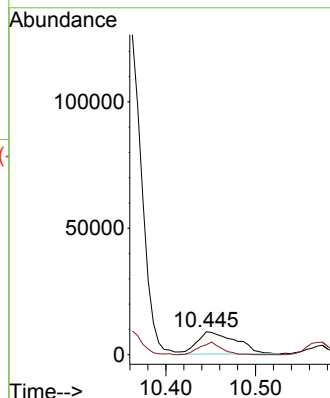
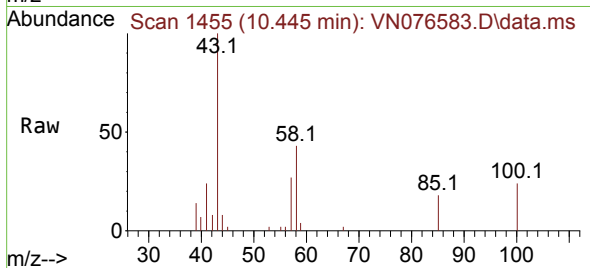
JPP-18A-020223

Tgt Ion: 43 Resp: 26398

Ion Ratio Lower Upper

43 100

58 32.2 36.4 54.6#



#53

t-1,3-Dichloropropene

Concen: 0.236 ug/l

RT: 10.733 min Scan# 1504

Delta R.T. -0.102 min

Lab File: VN076583.D

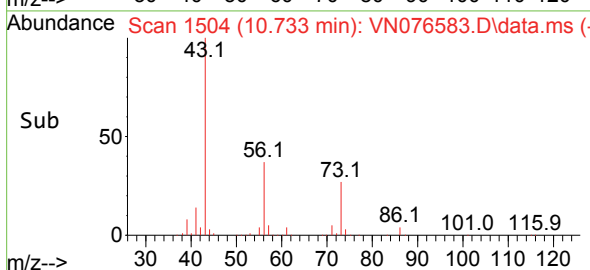
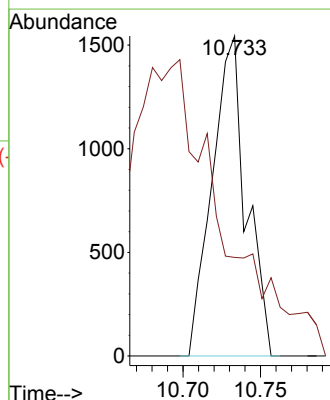
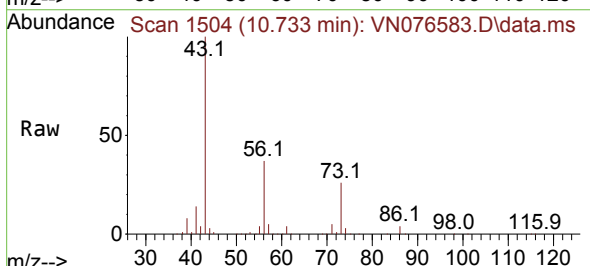
Acq: 08 Feb 2023 16:34

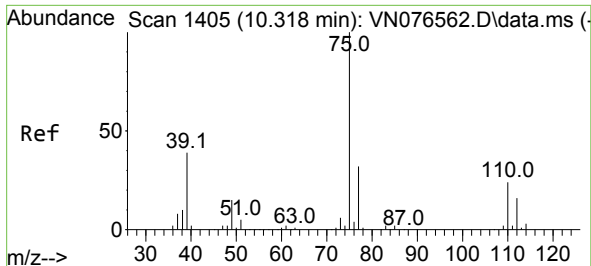
Tgt Ion: 75 Resp: 2354

Ion Ratio Lower Upper

75 100

77 15.6 24.5 36.7#

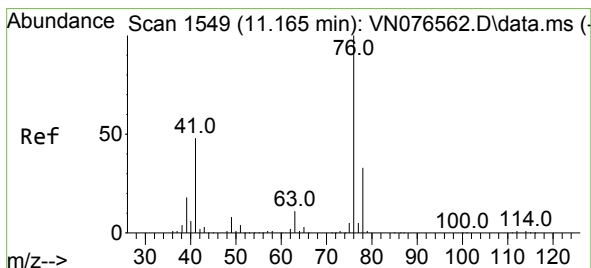
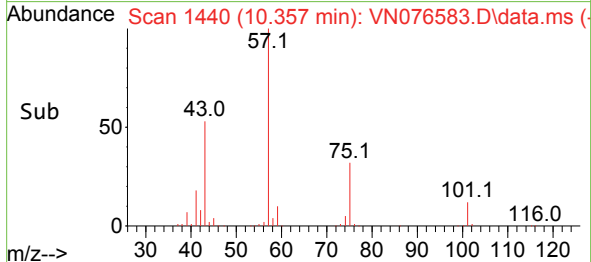
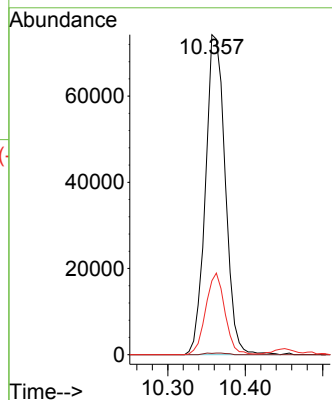
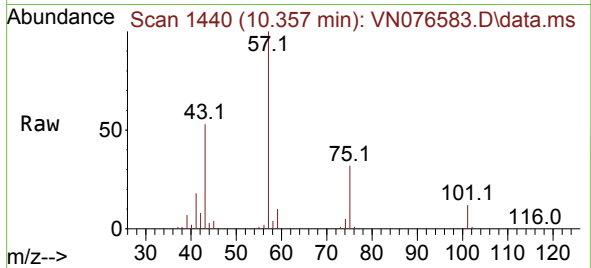




#54
 cis-1,3-Dichloropropene
 Concen: 11.541 ug/l
 RT: 10.357 min Scan# 1405
 Delta R.T. 0.039 min
 Lab File: VN076583.D
 Acq: 08 Feb 2023 16:34

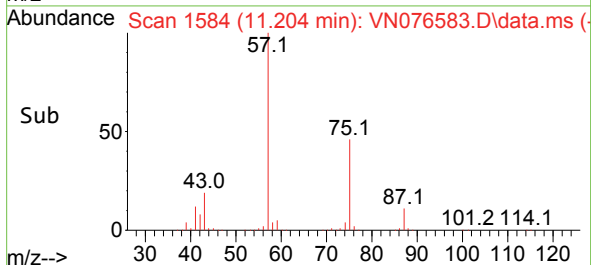
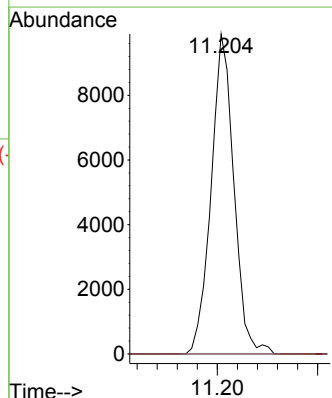
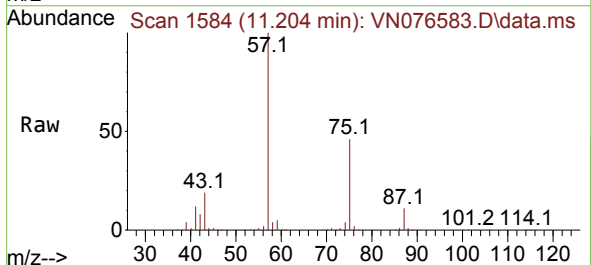
Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-18A-020223

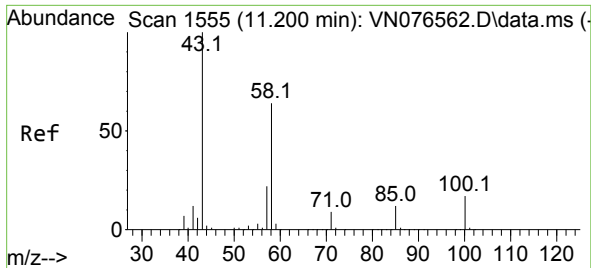
Tgt Ion: 75 Resp: 131482
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 23.1 31.1 46.7#



#57
 1,3-Dichloropropane
 Concen: 1.286 ug/l
 RT: 11.204 min Scan# 1584
 Delta R.T. 0.039 min
 Lab File: VN076583.D
 Acq: 08 Feb 2023 16:34

Tgt Ion: 76 Resp: 15611
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

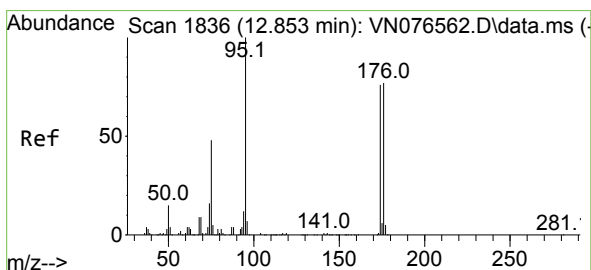
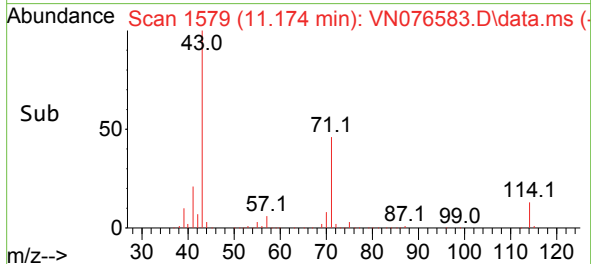
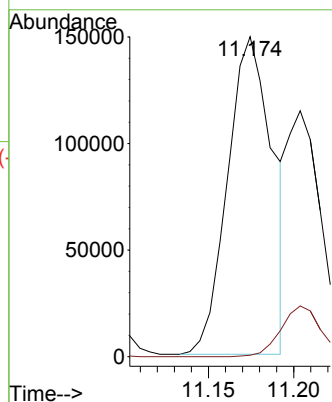
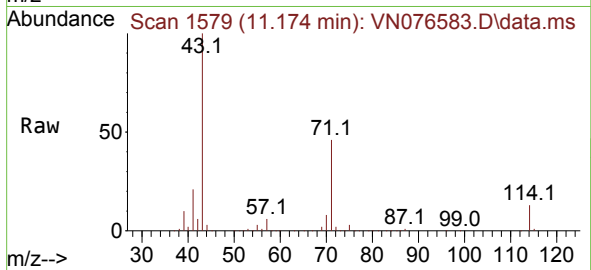




#59
2-Hexanone
Concen: 52.132 ug/l
RT: 11.174 min Scan# 11174
Delta R.T. -0.026 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

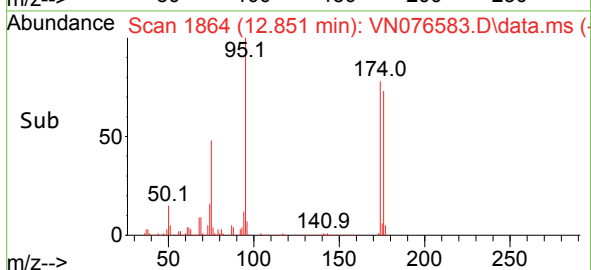
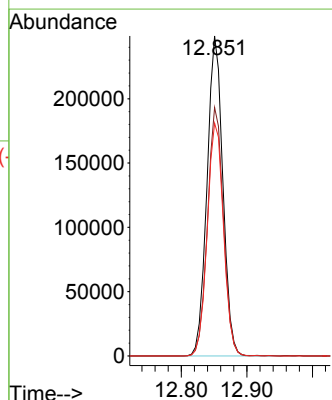
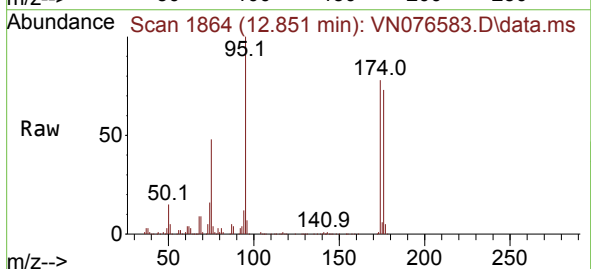
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

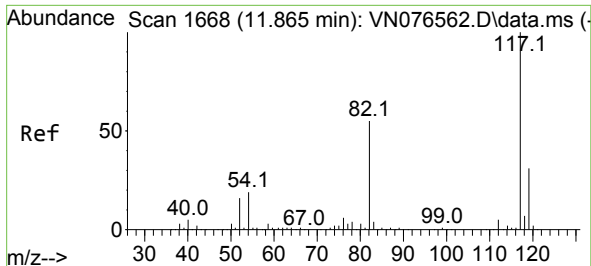
Tgt Ion: 43 Resp: 272637
Ion Ratio Lower Upper
43 100
58 0.0 31.8 95.4#



#62
4-Bromofluorobenzene
Concen: 45.970 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

Tgt Ion: 95 Resp: 417791
Ion Ratio Lower Upper
95 100
174 78.0 0.0 154.0
176 74.5 0.0 152.0

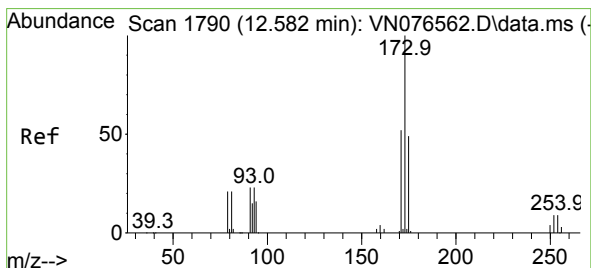
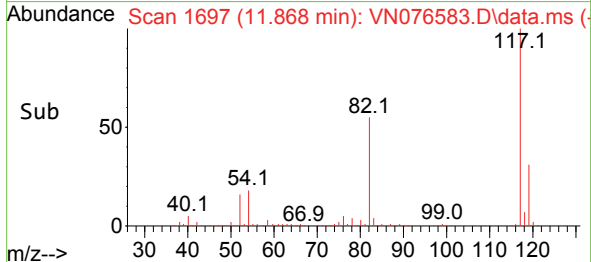
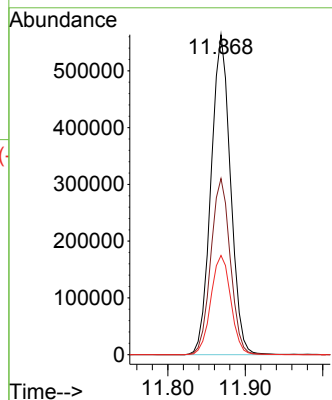
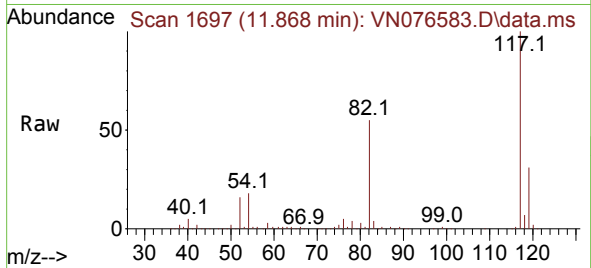




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.868 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

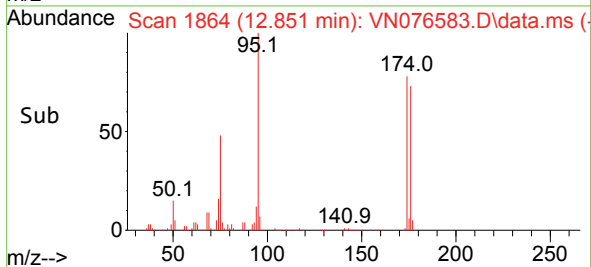
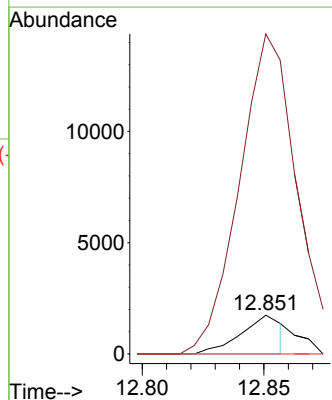
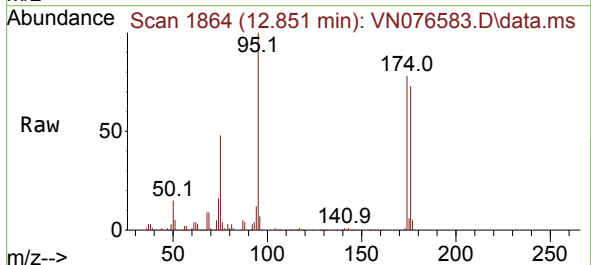
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

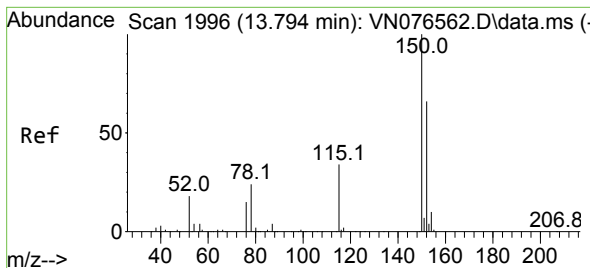
Tgt Ion:117 Resp: 982889
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.4
119 31.0 25.1 37.7



#71
Bromoform
Concen: 0.386 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. 0.269 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

Tgt Ion:173 Resp: 2030
Ion Ratio Lower Upper
173 100
175 889.8 24.8 74.3#
254 0.0 0.1 0.1#

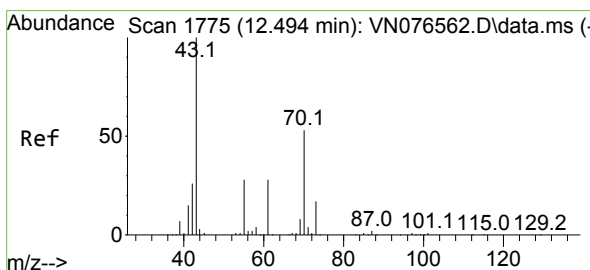
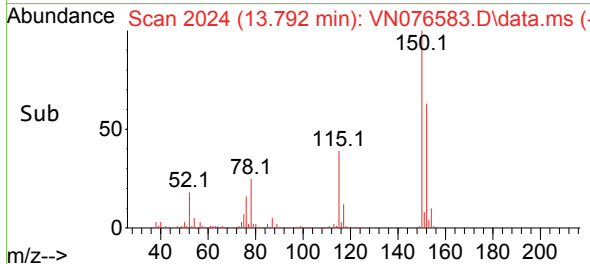
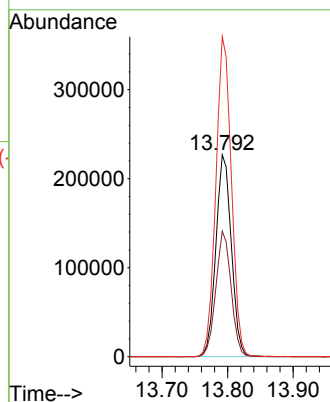
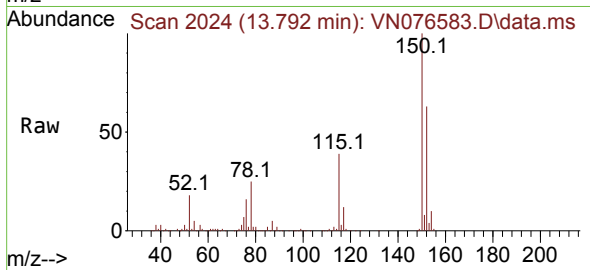




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.792 min Scan# 20
Delta R.T. -0.002 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

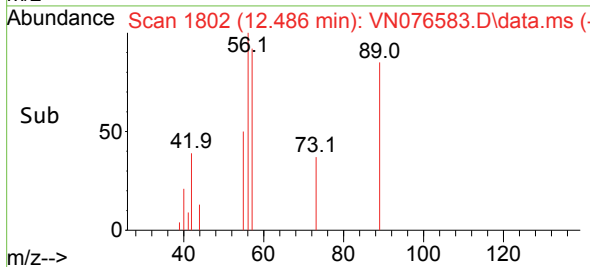
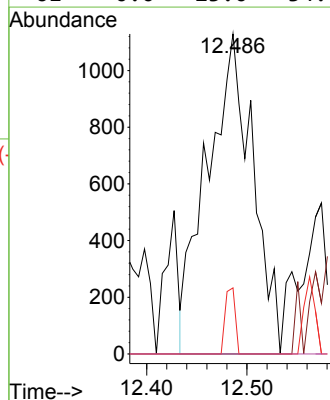
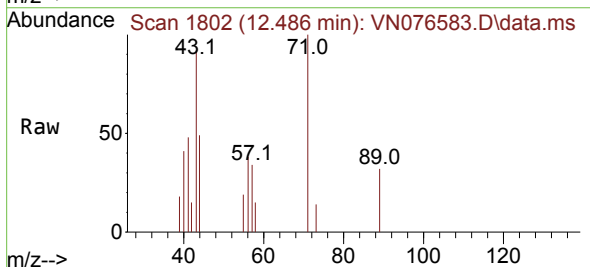
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

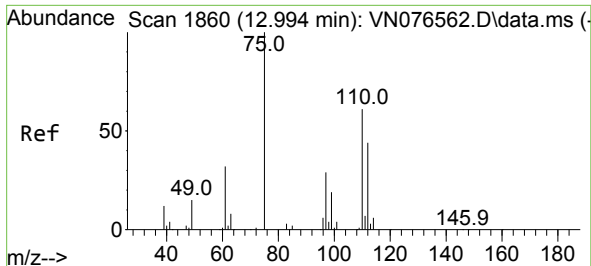
Tgt Ion:152 Resp: 371338
Ion Ratio Lower Upper
152 100
115 61.4 30.8 92.3
150 159.2 0.0 348.8



#74
N-ethyl acetate
Concen: 0.420 ug/l
RT: 12.486 min Scan# 1802
Delta R.T. -0.008 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

Tgt Ion: 43 Resp: 3564
Ion Ratio Lower Upper
43 100
70 0.0 43.1 64.7#
55 4.5 22.4 33.6#
61 0.0 23.0 34.4#

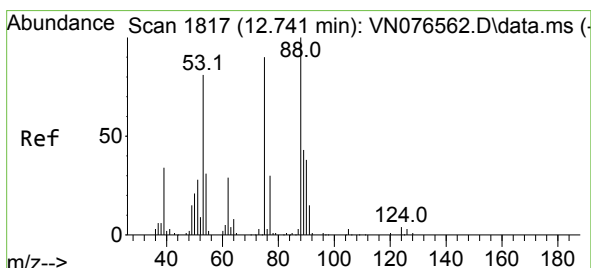
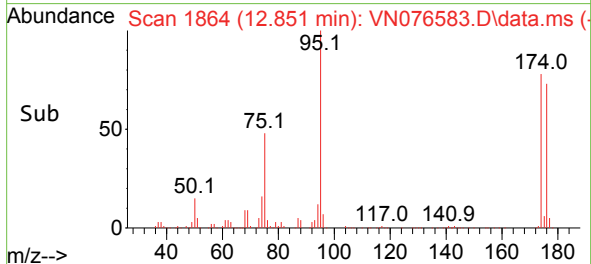
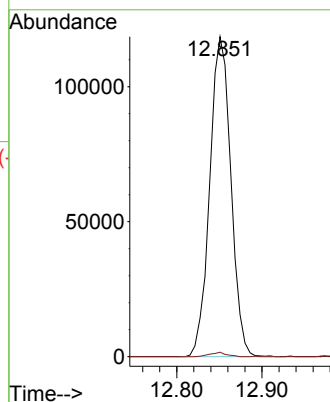
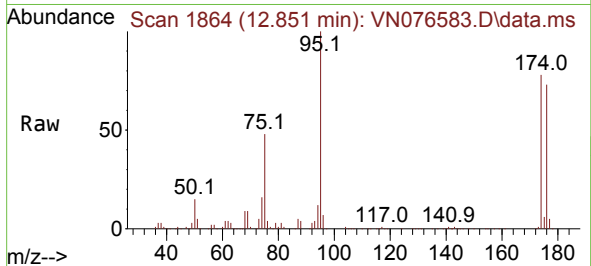




#76
1,2,3-Trichloropropane
Concen: 29.500 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.143 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

Tgt Ion: 75 Resp: 204384
Ion Ratio Lower Upper
75 100
77 1.1 87.5 262.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.584 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. 0.110 min
Lab File: VN076583.D
Acq: 08 Feb 2023 16:34

Tgt Ion: 75 Resp: 204384
Ion Ratio Lower Upper
75 100
53 0.0 77.1 115.7#
89 0.0 41.5 62.3#

