

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076586.D
 Acq On : 08 Feb 2023 17:46
 Operator : JC\MD
 Sample : 01445-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-29-020323

Quant Time: Feb 09 00:52:14 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

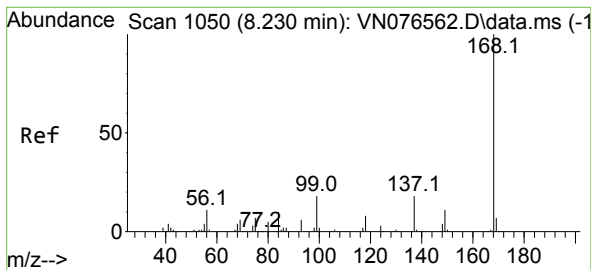
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.233	168	596099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.104	114	929228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.869	117	898964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.792	152	350485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.586	65	291387	41.415	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.840%		
35) Dibromofluoromethane	8.175	113	285448	49.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.840%		
50) Toluene-d8	10.569	98	1146773	52.772	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.540%		
62) 4-Bromofluorobenzene	12.851	95	323400	42.243	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.480%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.534	59	227	0.248	ug/l #	72
16) Acetone	4.451	43	66438	28.642	ug/l	98
18) Methyl Acetate	5.051	43	4890	0.666	ug/l #	83
20) Methylene Chloride	5.293	84	31220	4.366	ug/l	94
25) 2-Butanone	7.498	43	8481	2.544	ug/l	93
29) Tetrahydrofuran	7.851	42	884	0.413	ug/l #	68
31) Cyclohexane	8.233	56	8978	0.807	ug/l #	1
36) 1,1-Dichloropropene	8.233	75	39188	4.752	ug/l #	49
37) Ethyl Acetate	7.569	43	48500	7.849	ug/l	97
38) Carbon Tetrachloride	8.233	117	56919	6.419	ug/l #	16
42) 1,2-Dichloroethane	8.692	62	1865	0.229	ug/l #	71
43) Isopropyl Acetate	8.698	43	263656	25.643	ug/l #	90
45) 1,2-Dichloropropane	9.745	63	3474	0.579	ug/l #	42
48) Methyl methacrylate	9.680	41	6422	1.270	ug/l #	29
49) 1,4-Dioxane	9.745	88	362	3.347	ug/l #	1
51) 4-Methyl-2-Pentanone	10.451	43	22692	3.672	ug/l #	74
53) t-1,3-Dichloropropene	10.739	75	2245	0.267	ug/l #	65
54) cis-1,3-Dichloropropene	10.363	75	104783	10.918	ug/l #	57
57) 1,3-Dichloropropane	11.204	76	14159	1.384	ug/l #	42
59) 2-Hexanone	11.174	43	236189	53.614	ug/l #	18
74) N-amyl acetate	12.463	43	2913	0.364	ug/l #	36
76) 1,2,3-Trichloropropane	12.851	75	152873	23.378	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.851	75	152873	71.786	ug/l #	10

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.233 min Scan# 1

Delta R.T. 0.003 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

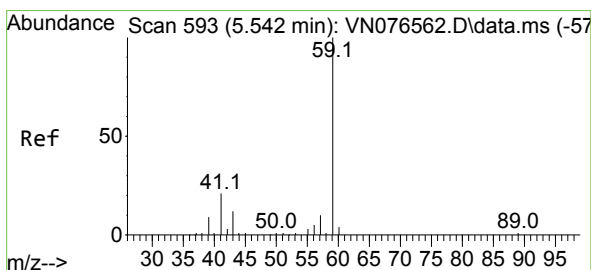
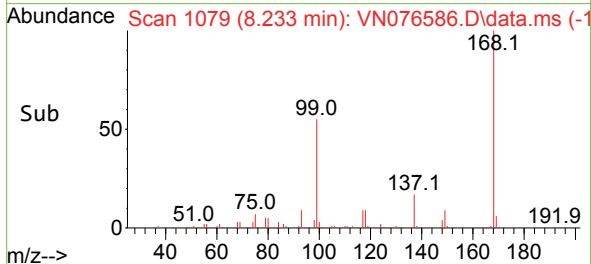
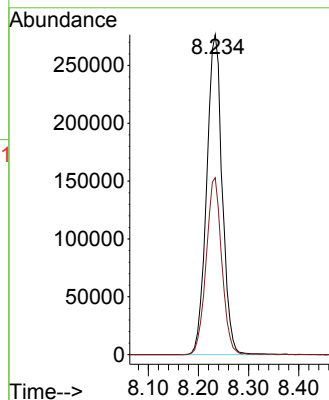
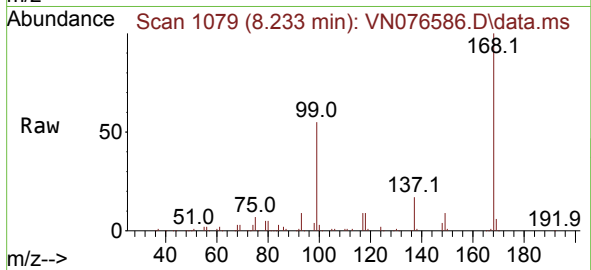
JPP-29-020323

Tgt Ion:168 Resp: 596099

Ion Ratio Lower Upper

168 100

99 55.3 47.8 71.8



#11

Tert butyl alcohol

Concen: 0.248 ug/l

RT: 5.534 min Scan# 620

Delta R.T. -0.008 min

Lab File: VN076586.D

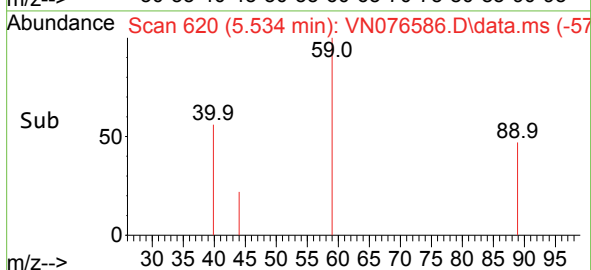
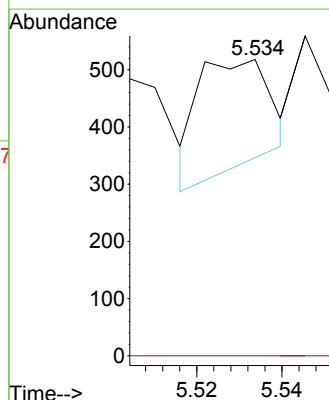
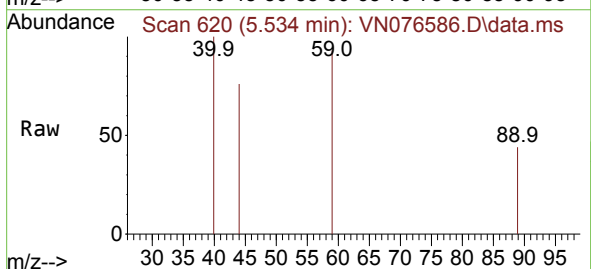
Acq: 08 Feb 2023 17:46

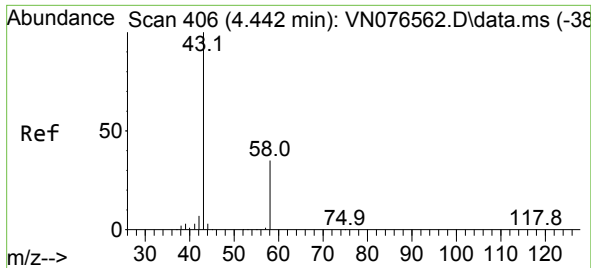
Tgt Ion: 59 Resp: 227

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 28.642 ug/l

RT: 4.451 min Scan# 41

Delta R.T. 0.009 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

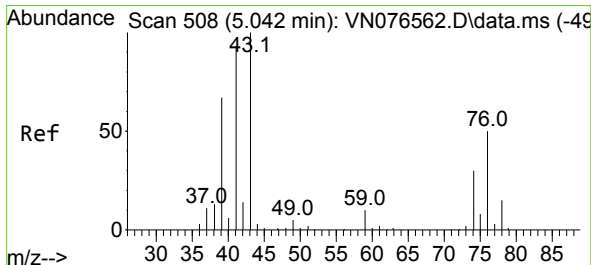
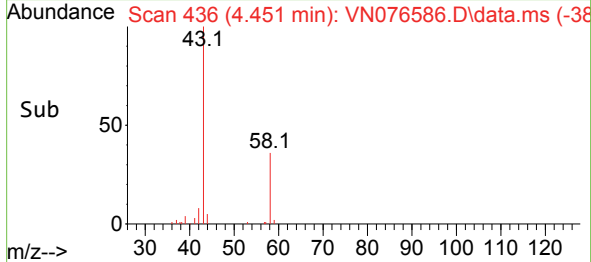
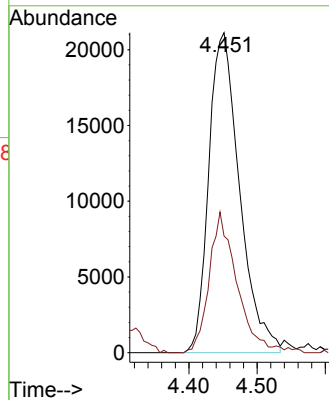
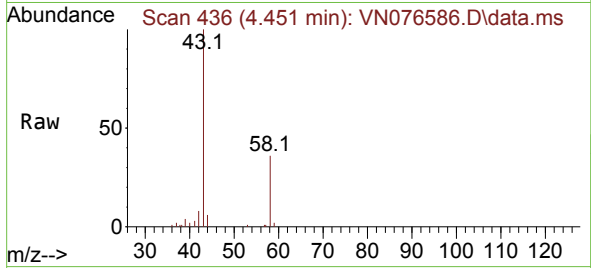
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Tgt Ion: 43 Resp: 66438

Ion Ratio Lower Upper

43 100

58 36.4 28.4 42.6



#18

Methyl Acetate

Concen: 0.666 ug/l

RT: 5.051 min Scan# 538

Delta R.T. 0.009 min

Lab File: VN076586.D

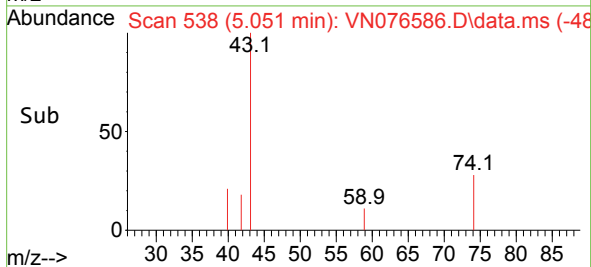
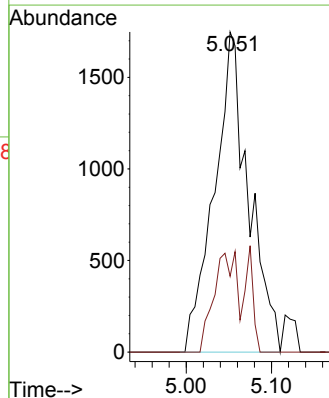
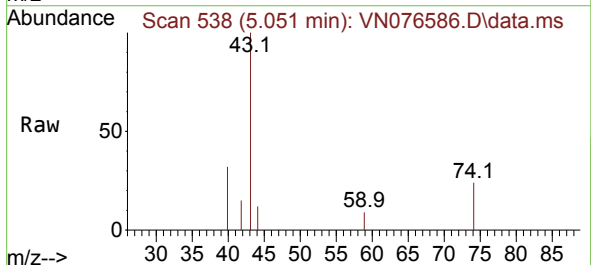
Acq: 08 Feb 2023 17:46

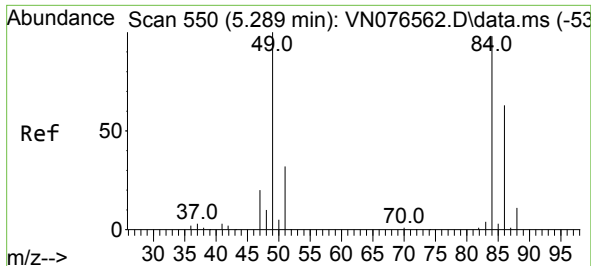
Tgt Ion: 43 Resp: 4890

Ion Ratio Lower Upper

43 100

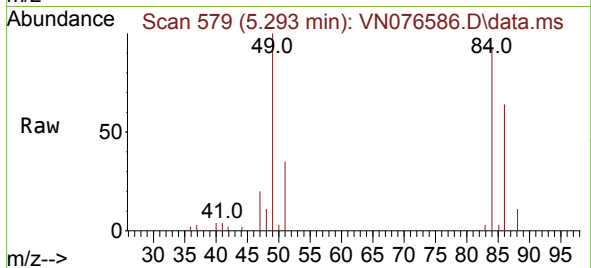
74 20.9 23.9 35.9#



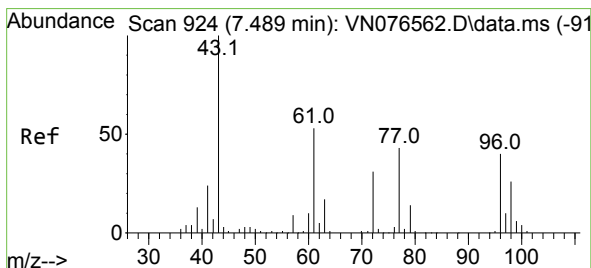
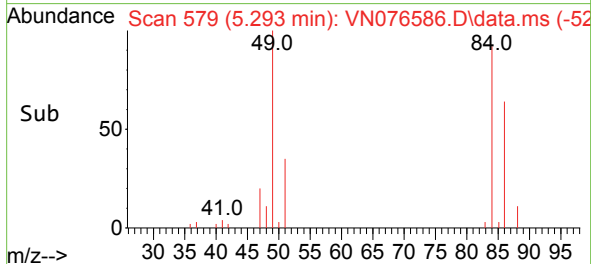
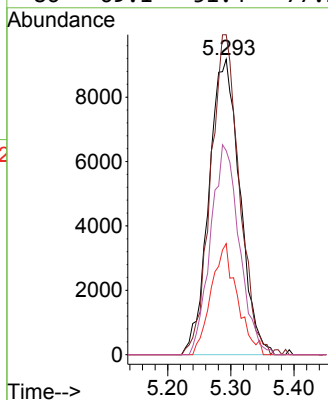


#20
Methylene Chloride
Concen: 4.366 ug/l
RT: 5.293 min Scan# 51
Delta R.T. 0.004 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :
JPP-29-020323

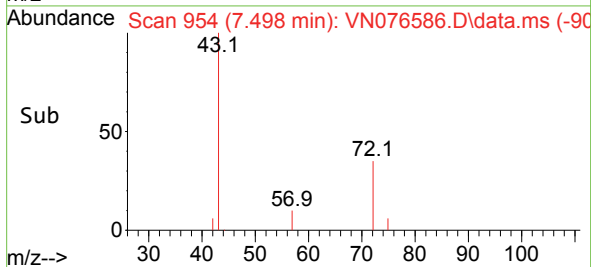
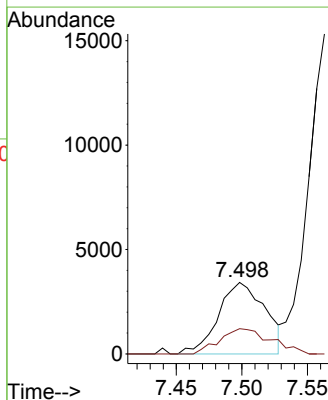
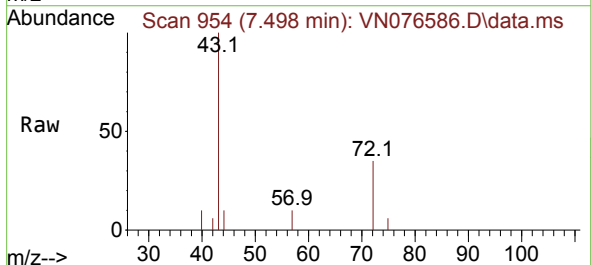


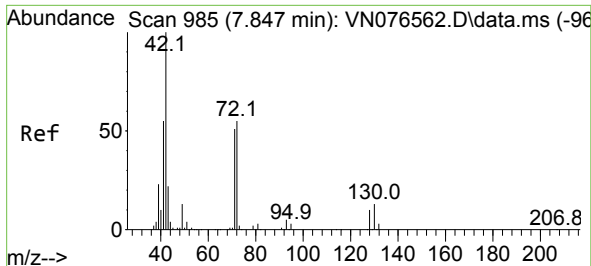
Tgt Ion: 84	Resp: 31220
Ion Ratio	Lower Upper
84 100	
49 108.3	82.0 123.0
51 37.6	26.0 39.0
86 69.1	51.4 77.2



#25
2-Butanone
Concen: 2.544 ug/l
RT: 7.498 min Scan# 954
Delta R.T. 0.009 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 43	Resp: 8481
Ion Ratio	Lower Upper
43 100	
72 35.3	25.1 37.7

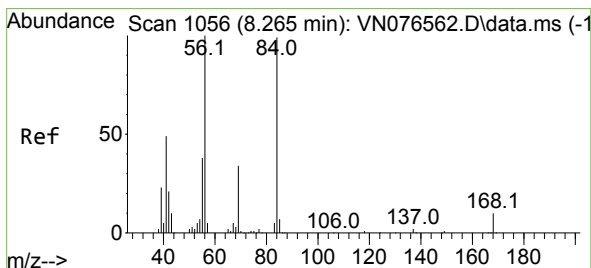
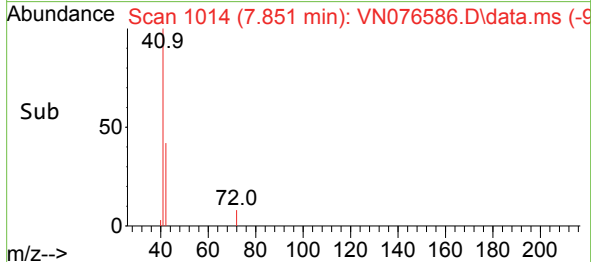
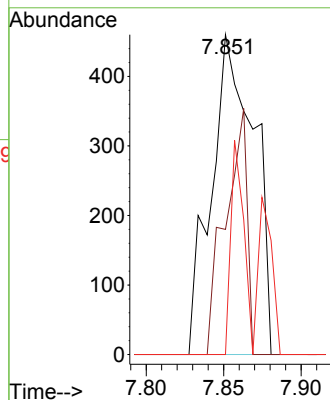
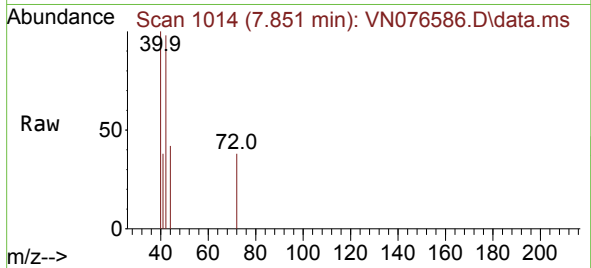




#29
Tetrahydrofuran
Concen: 0.413 ug/l
RT: 7.851 min Scan# 1014
Delta R.T. 0.004 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

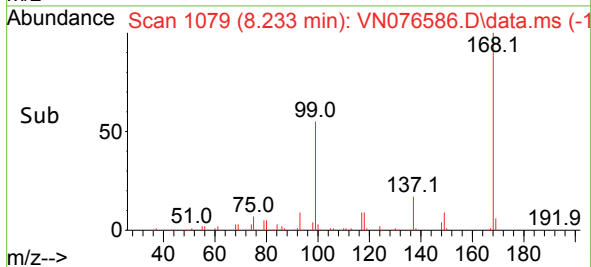
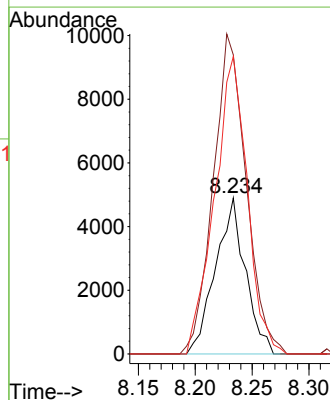
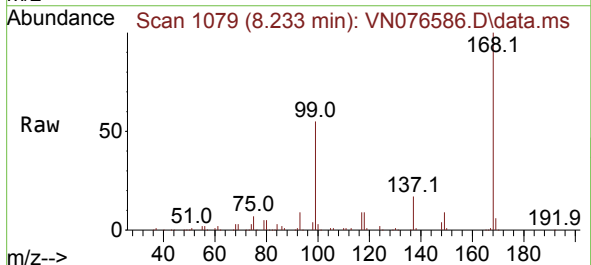
Instrument :
MSVOA_N
ClientSampleId :
JPP-29-020323

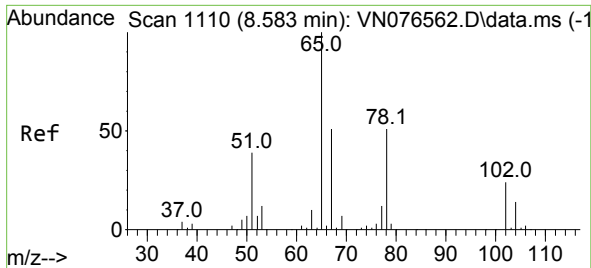
Tgt Ion: 42 Resp: 884
Ion Ratio Lower Upper
42 100
72 38.9 42.9 64.3#
71 20.0 39.9 59.9#



#31
Cyclohexane
Concen: 0.807 ug/l
RT: 8.233 min Scan# 1079
Delta R.T. -0.032 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 56 Resp: 8978
Ion Ratio Lower Upper
56 100
69 191.8 27.0 40.4#
84 190.7 79.5 119.3#





#33

1,2-Dichloroethane-d4

Concen: 41.415 ug/l

RT: 8.586 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

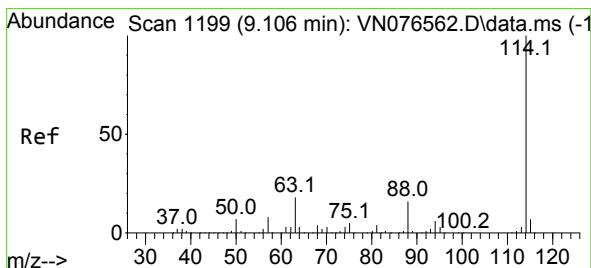
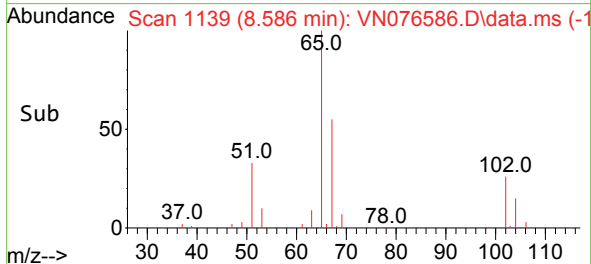
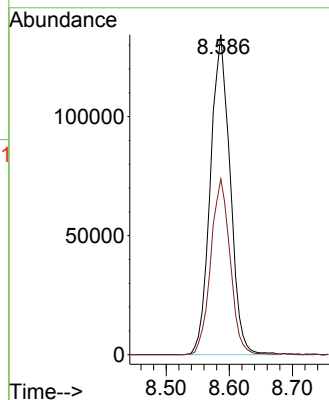
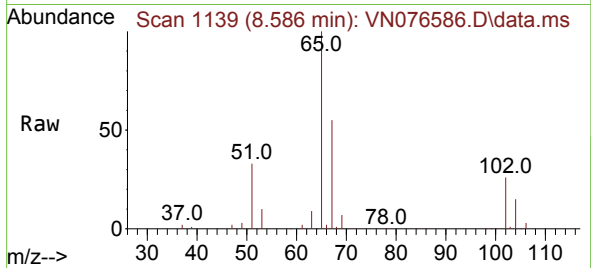
JPP-29-020323

Tgt Ion: 65 Resp: 291387

Ion Ratio Lower Upper

65 100

67 54.0 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: VN076586.D

Acq: 08 Feb 2023 17:46

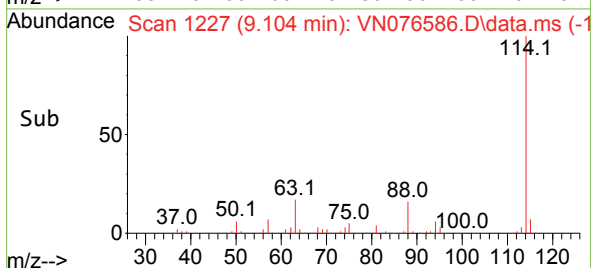
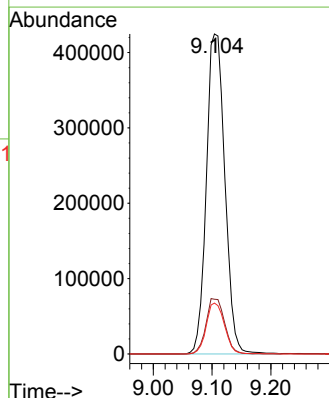
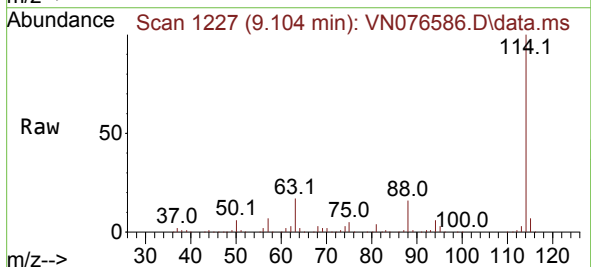
Tgt Ion: 114 Resp: 929228

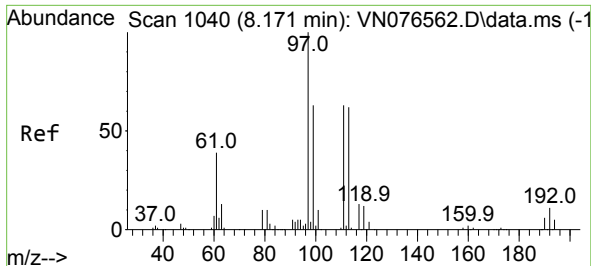
Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.6

88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.416 ug/l

RT: 8.175 min Scan# 1040

Delta R.T. 0.004 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

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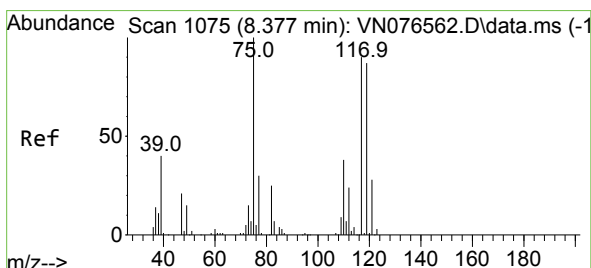
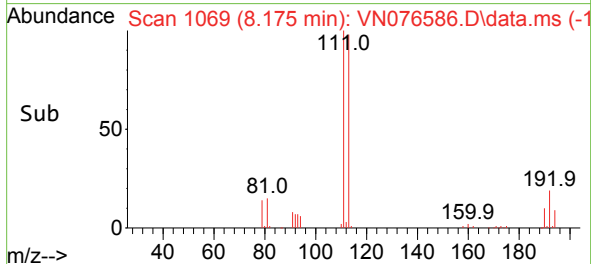
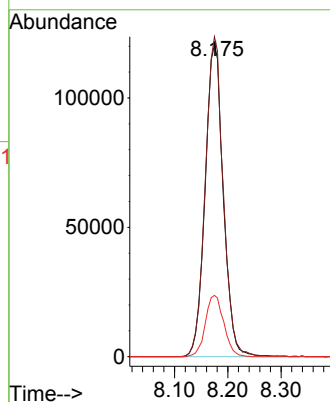
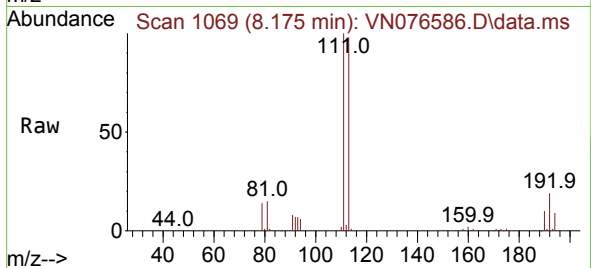
Tgt Ion:113 Resp: 285448

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

192 19.9 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.752 ug/l

RT: 8.233 min Scan# 1079

Delta R.T. -0.144 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

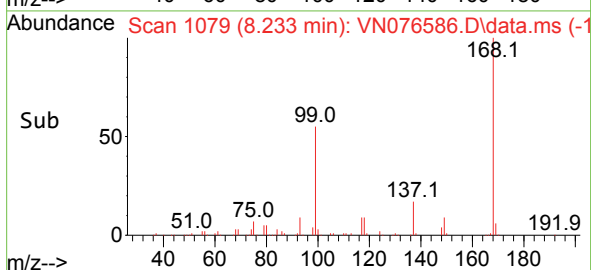
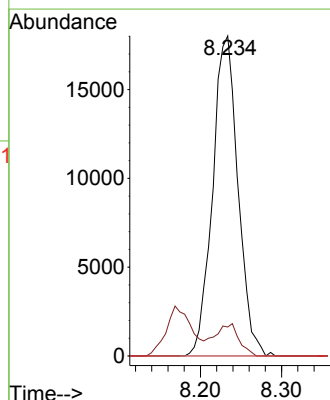
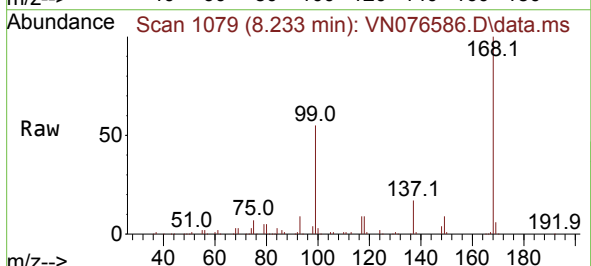
Tgt Ion: 75 Resp: 39188

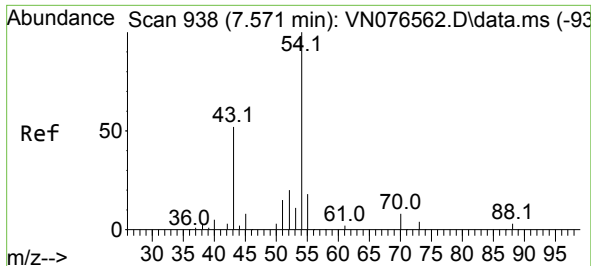
Ion Ratio Lower Upper

75 100

110 9.7 18.6 55.6#

77 0.0 25.1 37.7#

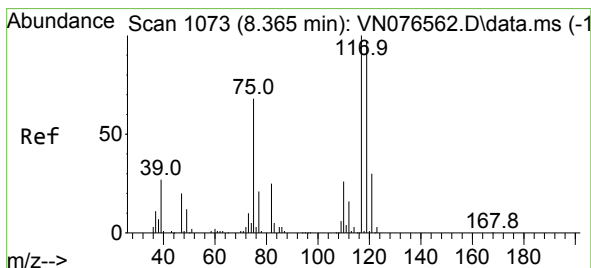
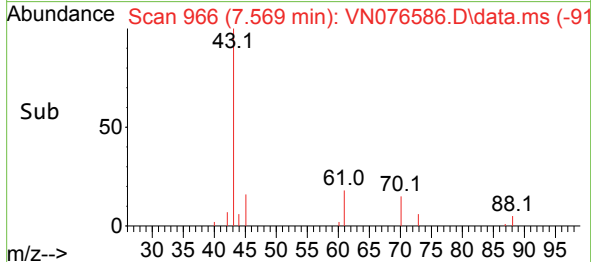
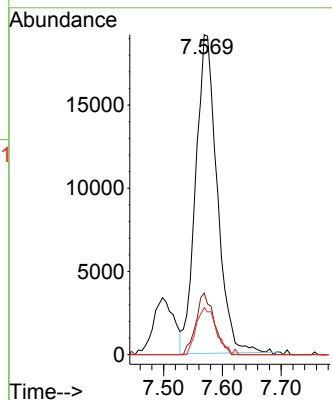
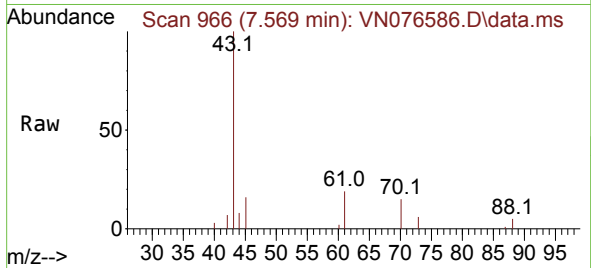




#37
Ethyl Acetate
Concen: 7.849 ug/l
RT: 7.569 min Scan# 91
Delta R.T. -0.002 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

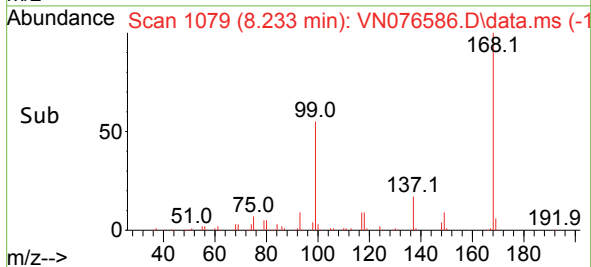
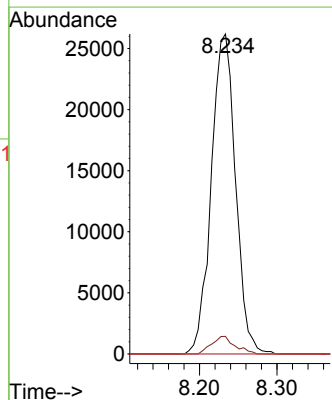
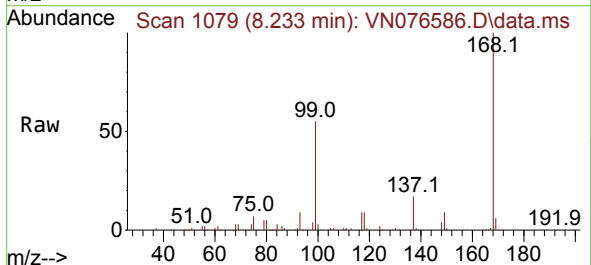
Instrument :
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JPP-29-020323

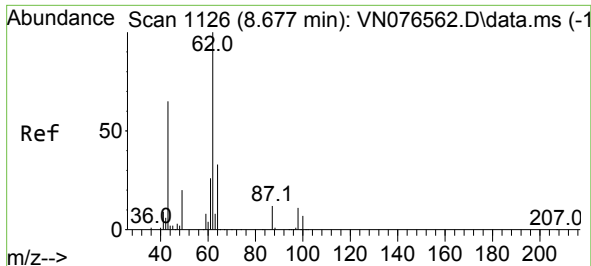
Tgt Ion:	43	Resp:	48500
Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.8	17.6
70	13.9	10.4	15.6



#38
Carbon Tetrachloride
Concen: 6.419 ug/l
RT: 8.233 min Scan# 1079
Delta R.T. -0.132 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

Tgt Ion:	117	Resp:	56919
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: 0.229 ug/l

RT: 8.692 min Scan# 1157

Delta R.T. 0.015 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

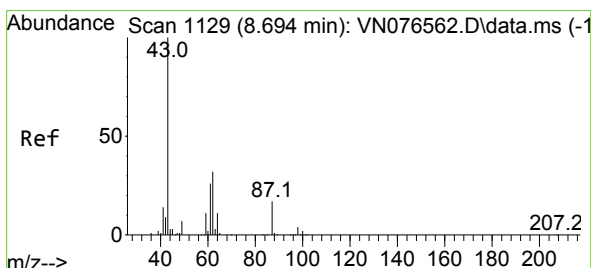
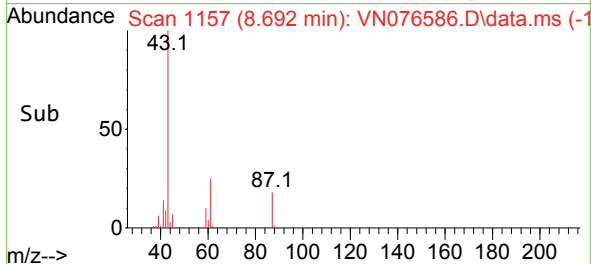
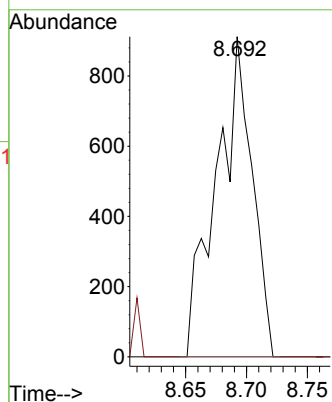
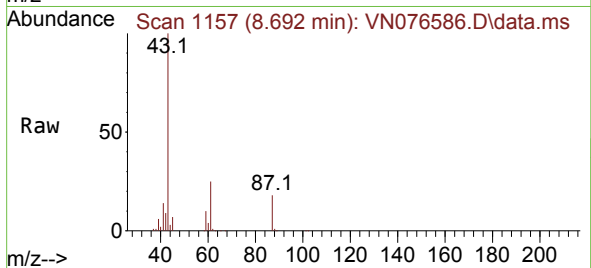
JPP-29-020323

Tgt Ion: 62 Resp: 1865

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6



#43

Isopropyl Acetate

Concen: 25.643 ug/l

RT: 8.698 min Scan# 1158

Delta R.T. 0.004 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

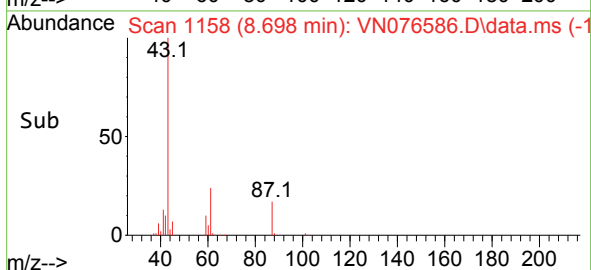
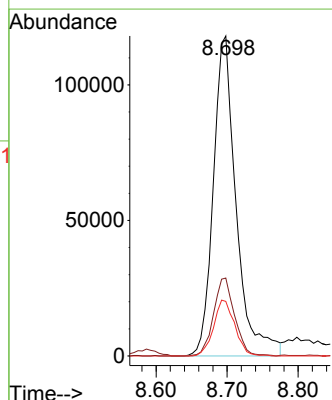
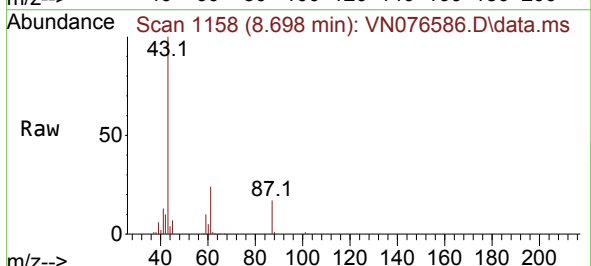
Tgt Ion: 43 Resp: 263656

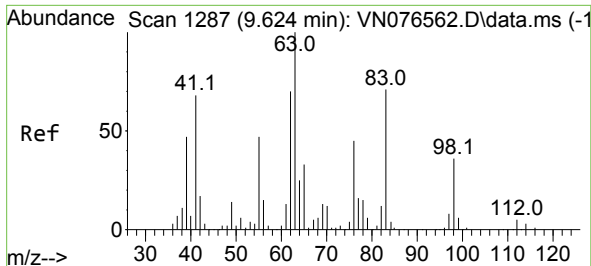
Ion Ratio Lower Upper

43 100

61 22.4 24.5 36.7#

87 16.2 13.6 20.4





#45

1,2-Dichloropropane

Concen: 0.579 ug/l

RT: 9.745 min Scan# 11

Delta R.T. 0.121 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

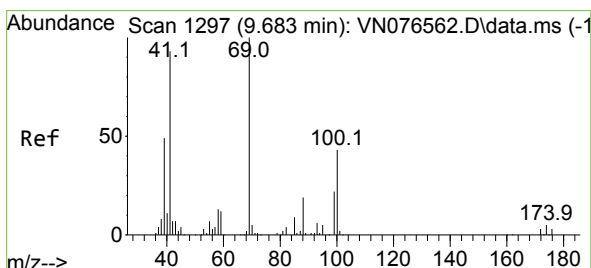
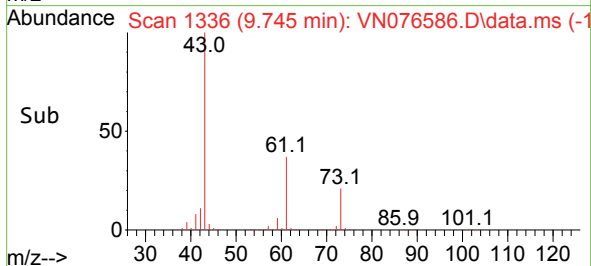
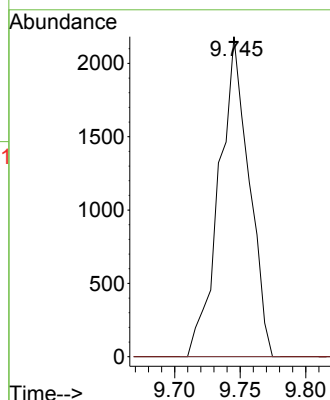
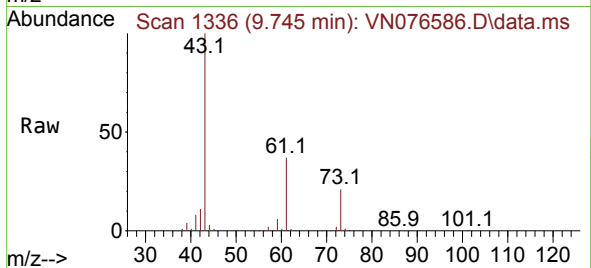
JPP-29-020323

Tgt Ion: 63 Resp: 3474

Ion Ratio Lower Upper

63 100

65 0.0 26.0 39.0#



#48

Methyl methacrylate

Concen: 1.270 ug/l

RT: 9.680 min Scan# 1325

Delta R.T. -0.003 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

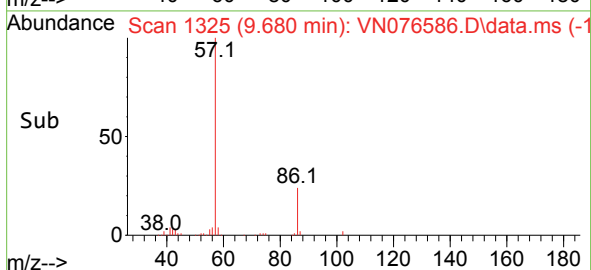
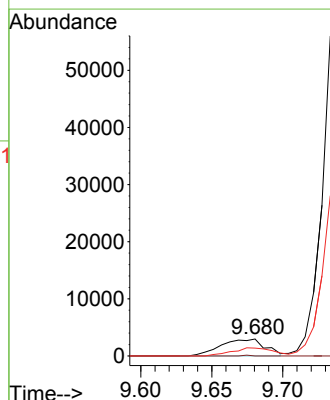
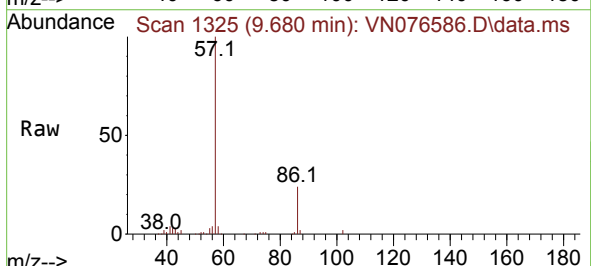
Tgt Ion: 41 Resp: 6422

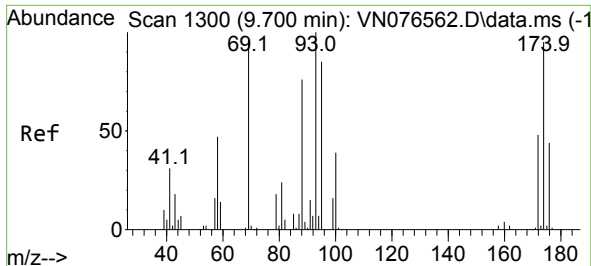
Ion Ratio Lower Upper

41 100

69 0.9 83.0 124.4#

39 45.1 43.8 65.8





#49

1,4-Dioxane

Concen: 3.347 ug/l

RT: 9.745 min Scan# 11

Delta R.T. 0.045 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

JPP-29-020323

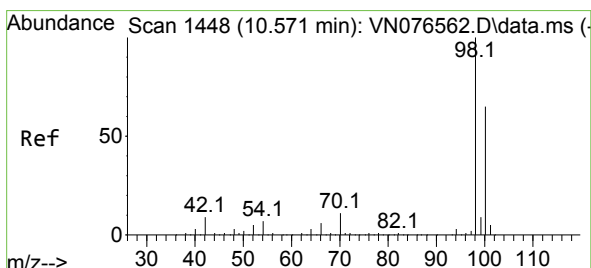
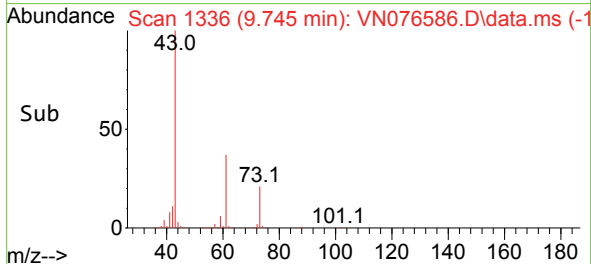
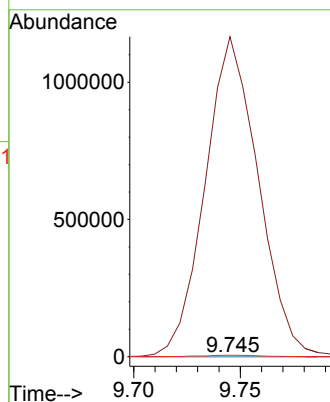
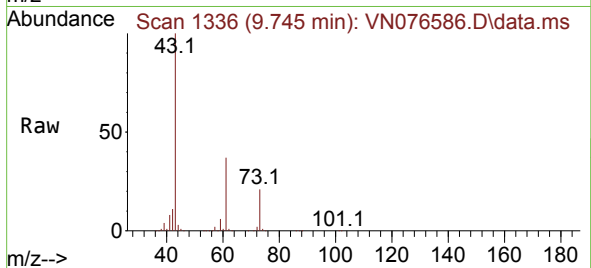
Tgt Ion: 88 Resp: 362

Ion Ratio Lower Upper

88 100

43 563189.2 16.7 25.1#

58 2765.7 51.7 77.5#



#50

Toluene-d8

Concen: 52.772 ug/l

RT: 10.569 min Scan# 1476

Delta R.T. -0.002 min

Lab File: VN076586.D

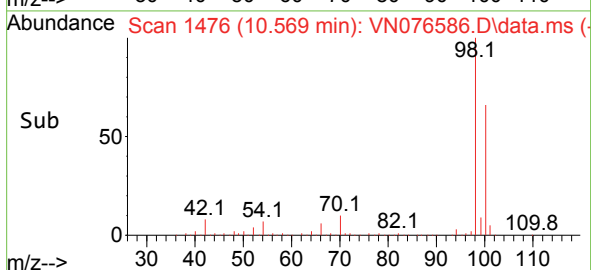
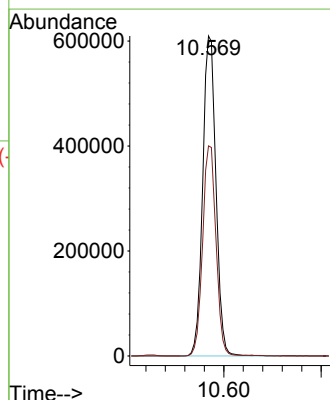
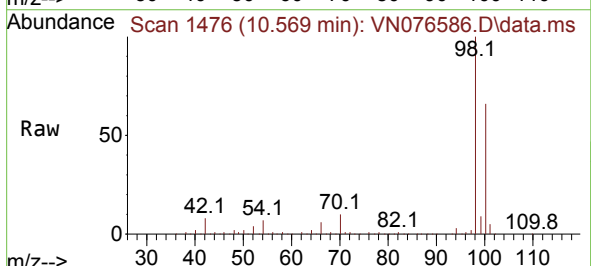
Acq: 08 Feb 2023 17:46

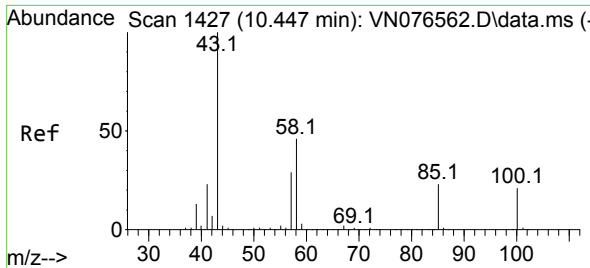
Tgt Ion: 98 Resp: 1146773

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 3.672 ug/l

RT: 10.451 min Scan# 14

Delta R.T. 0.004 min

Lab File: VN076586.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

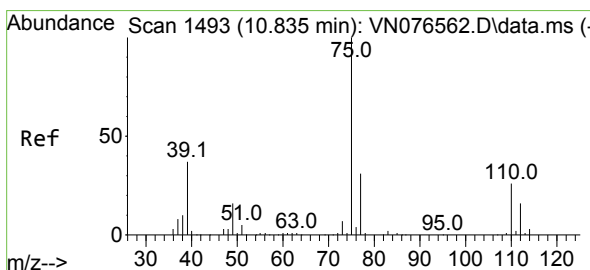
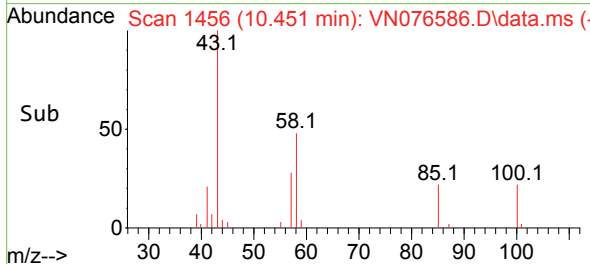
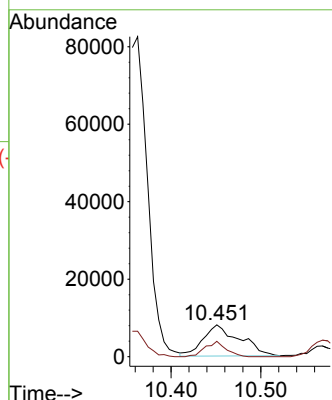
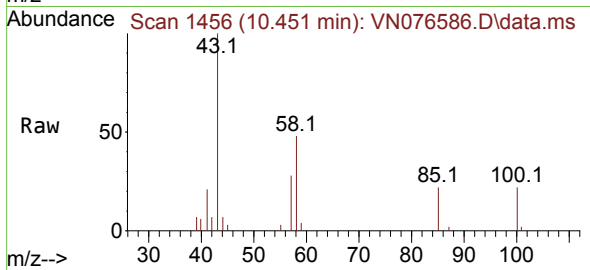
JPP-29-020323

Tgt Ion: 43 Resp: 22692

Ion Ratio Lower Upper

43 100

58 28.2 36.4 54.6#



#53

t-1,3-Dichloropropene

Concen: 0.267 ug/l

RT: 10.739 min Scan# 1505

Delta R.T. -0.096 min

Lab File: VN076586.D

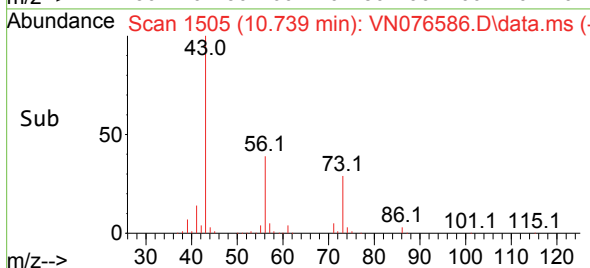
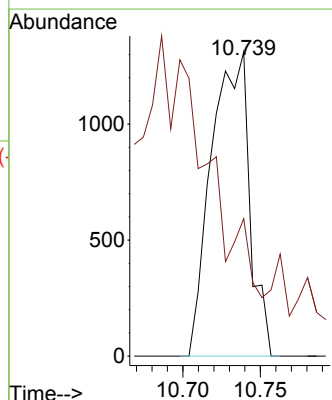
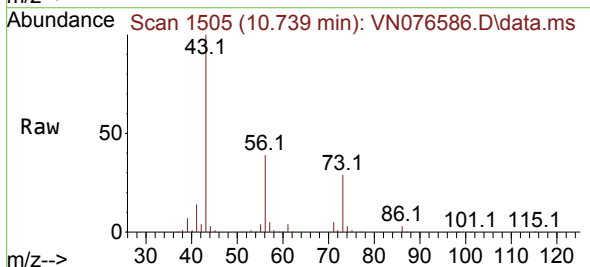
Acq: 08 Feb 2023 17:46

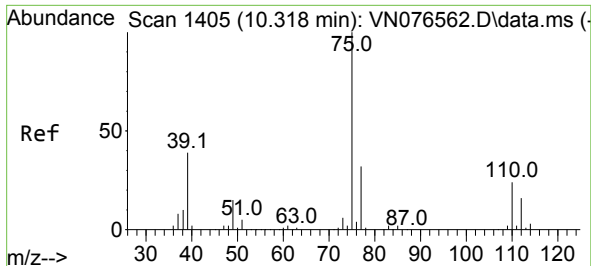
Tgt Ion: 75 Resp: 2245

Ion Ratio Lower Upper

75 100

77 11.6 24.5 36.7#

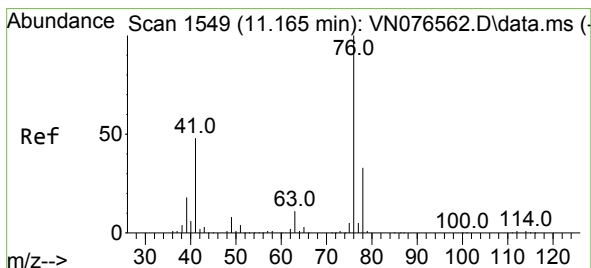
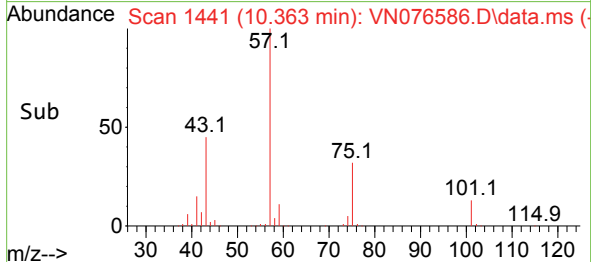
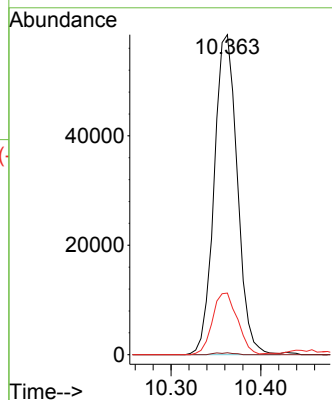
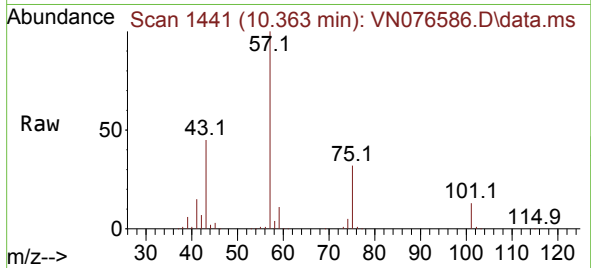




#54
cis-1,3-Dichloropropene
Concen: 10.918 ug/l
RT: 10.363 min Scan# 1405
Delta R.T. 0.045 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

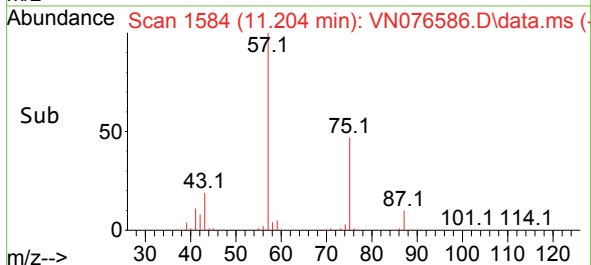
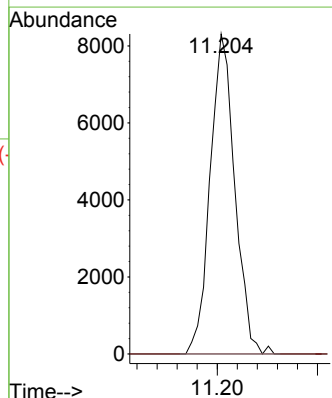
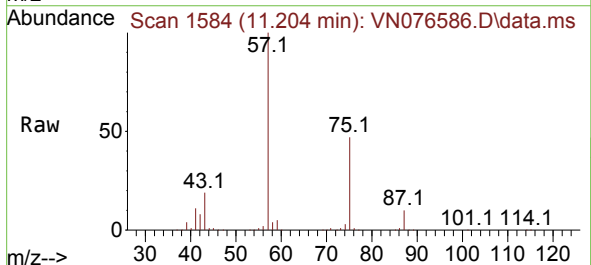
Instrument :
MSVOA_N
ClientSampleId :
JPP-29-020323

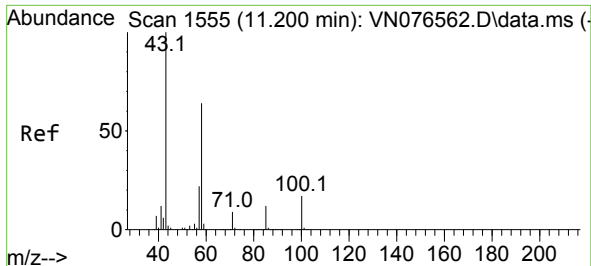
Tgt Ion: 75 Resp: 104783
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.0#
39 19.2 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 1.384 ug/l
RT: 11.204 min Scan# 1584
Delta R.T. 0.039 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 76 Resp: 14159
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

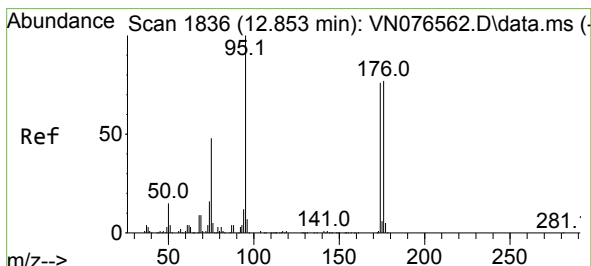
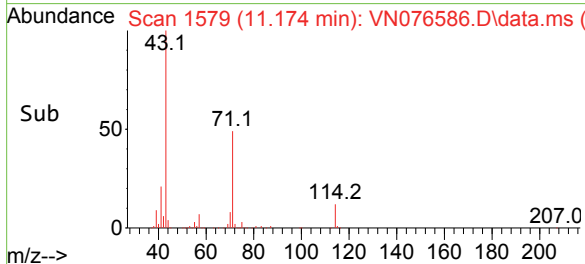
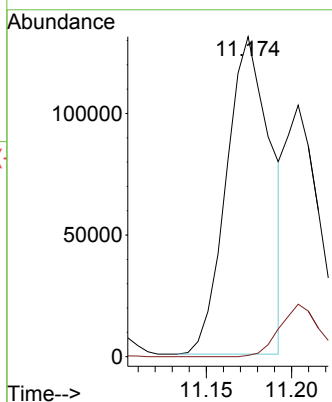
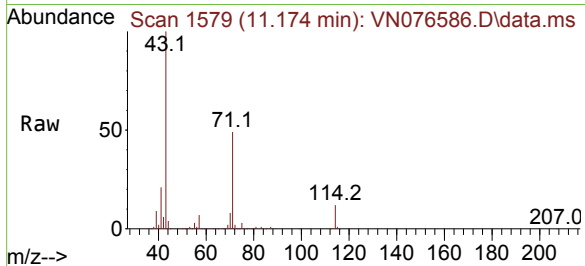




#59
2-Hexanone
Concen: 53.614 ug/l
RT: 11.174 min Scan# 11174
Delta R.T. -0.026 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

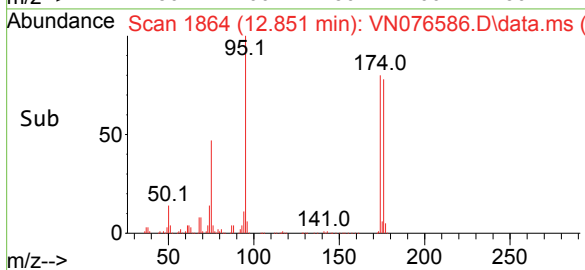
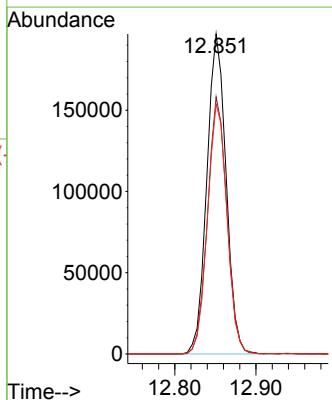
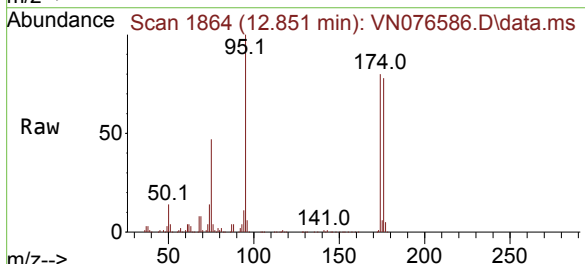
Instrument :
MSVOA_N
ClientSampleId :
JPP-29-020323

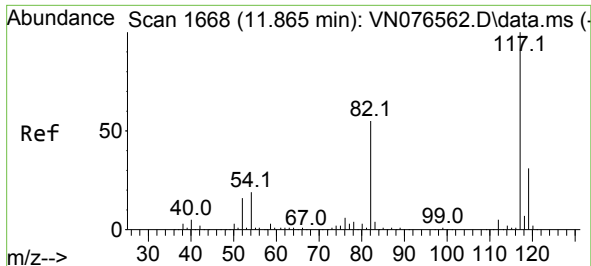
Tgt Ion: 43 Resp: 236189
Ion Ratio Lower Upper
43 100
58 0.0 31.8 95.4#



#62
4-Bromofluorobenzene
Concen: 42.243 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 95 Resp: 323400
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.0
176 78.9 0.0 152.0

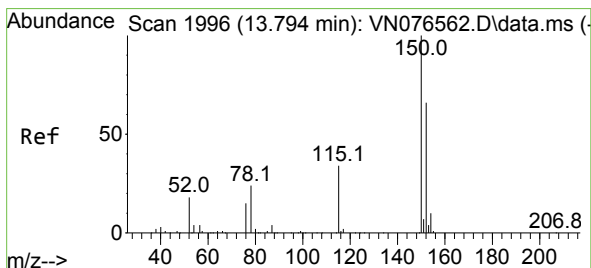
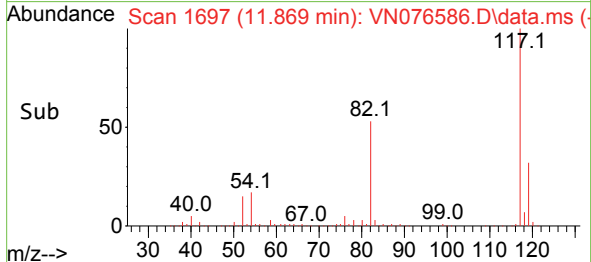
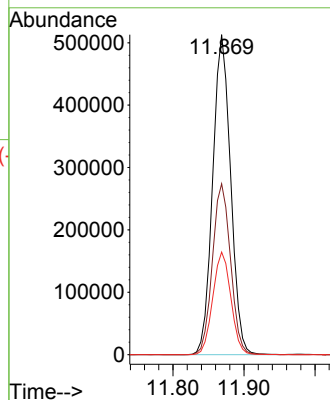
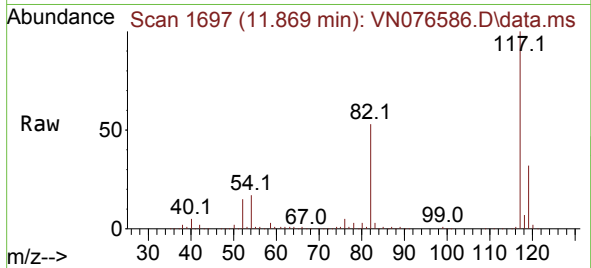




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.869 min Scan# 11
Delta R.T. 0.004 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

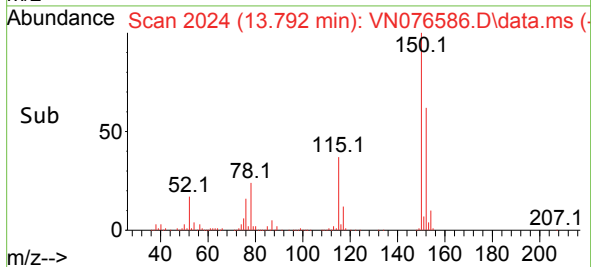
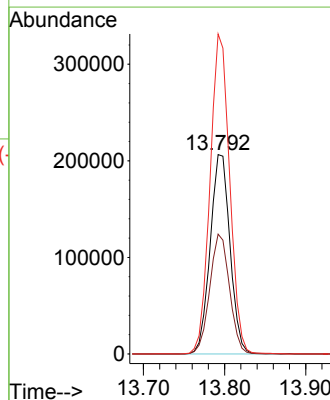
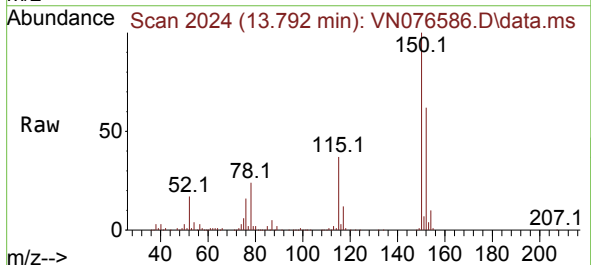
Instrument :
MSVOA_N
ClientSampleId :
JPP-29-020323

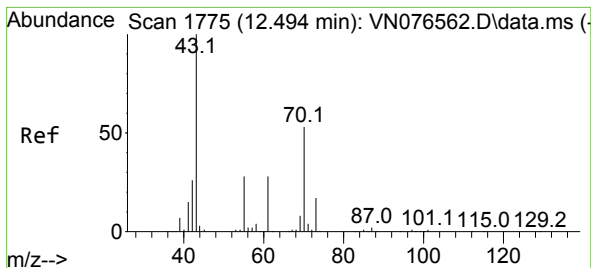
Tgt Ion:117 Resp: 898964
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.4
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.792 min Scan# 2024
Delta R.T. -0.002 min
Lab File: VN076586.D
Acq: 08 Feb 2023 17:46

Tgt Ion:152 Resp: 350485
Ion Ratio Lower Upper
152 100
115 59.9 30.8 92.3
150 158.2 0.0 348.8





#74

N-amy1 acetate

Concen: 0.364 ug/l

RT: 12.463 min Scan# 1775

Delta R.T. -0.031 min

Lab File: VN076586.D

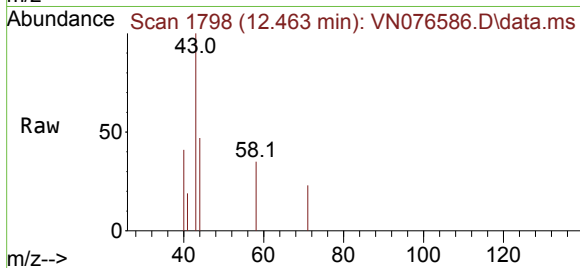
Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

JPP-29-020323



Tgt Ion: 43 Resp: 2913

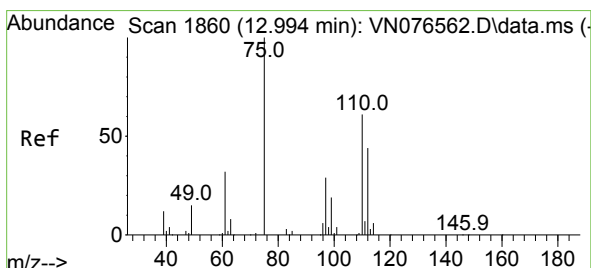
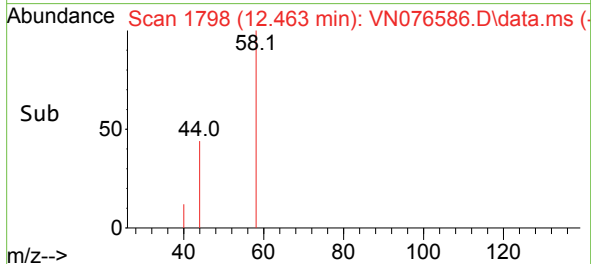
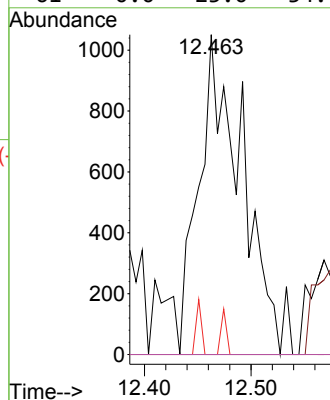
Ion Ratio Lower Upper

43 100

70 0.0 43.1 64.7#

55 0.0 22.4 33.6#

61 0.0 23.0 34.4#



#76

1,2,3-Trichloropropane

Concen: 23.378 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.143 min

Lab File: VN076586.D

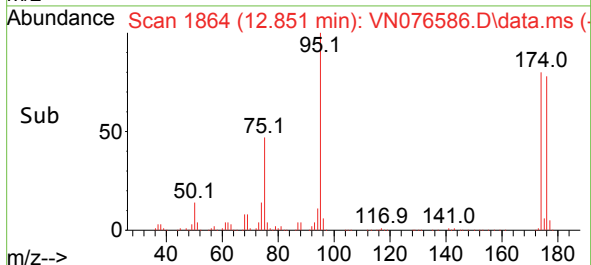
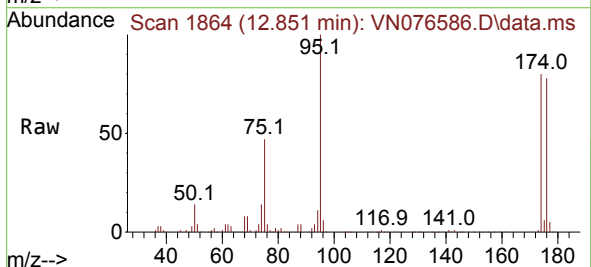
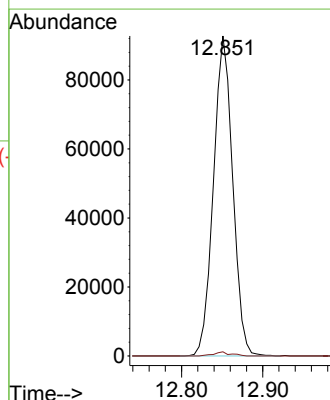
Acq: 08 Feb 2023 17:46

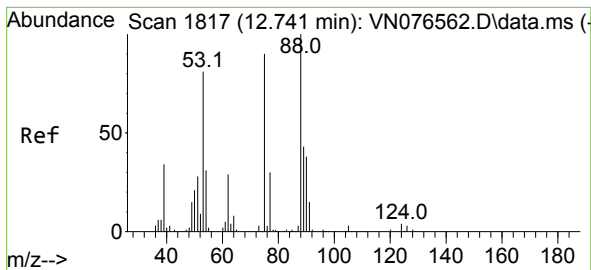
Tgt Ion: 75 Resp: 152873

Ion Ratio Lower Upper

75 100

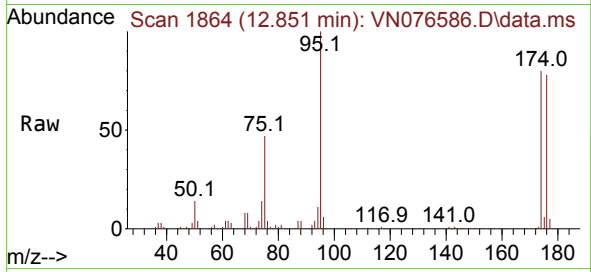
77 1.1 87.5 262.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.786 ug/l
 RT: 12.851 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VN076586.D
 Acq: 08 Feb 2023 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-29-020323



Tgt Ion: 75 Resp: 152873
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.1 115.7#
 89 0.0 41.5 62.3#

