

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020223\
 Data File : VN076509.D
 Acq On : 02 Feb 2023 14:51
 Operator : JC\MD
 Sample : 01386-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-9-013123

Quant Time: Feb 03 01:00:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

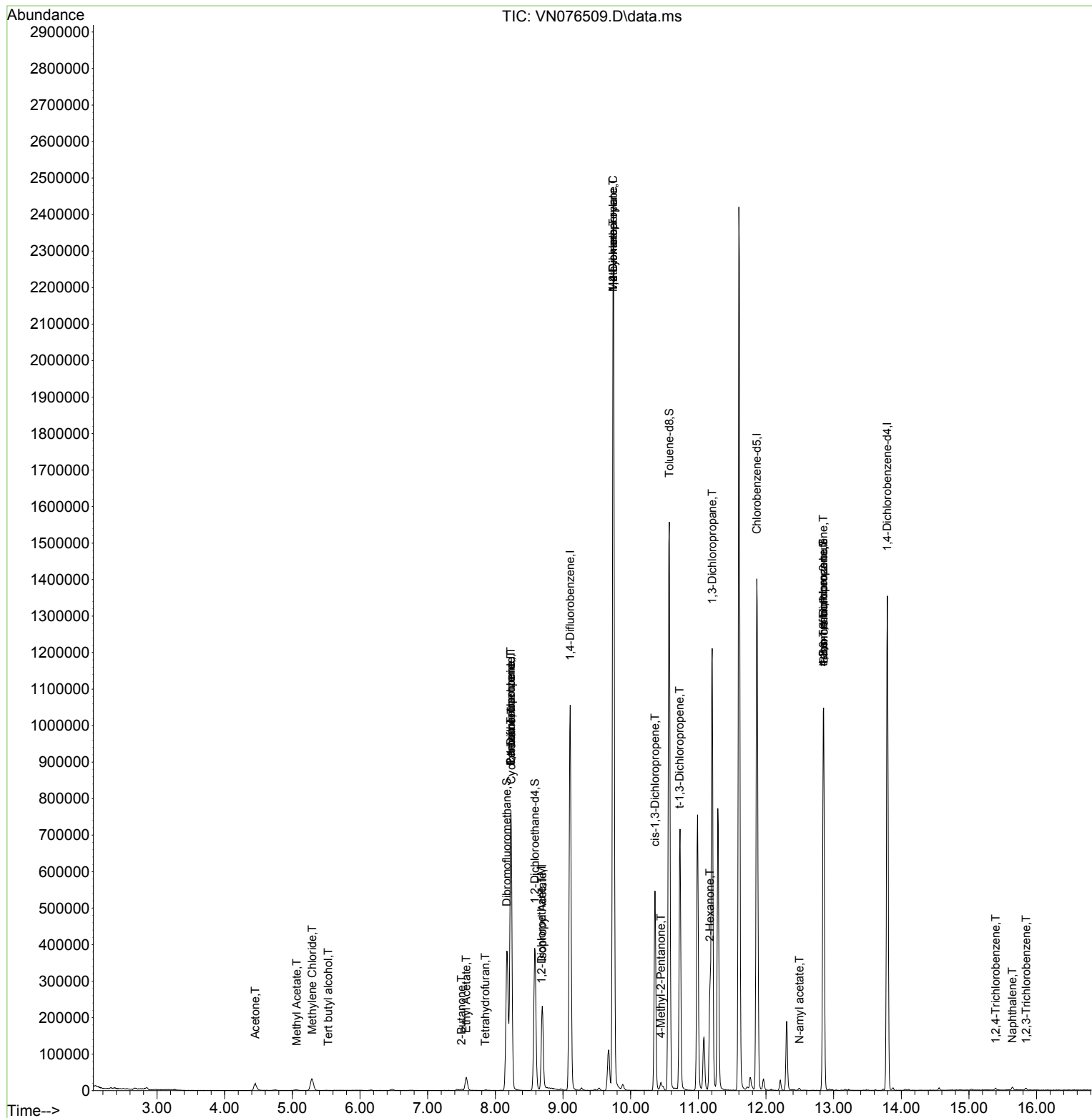
Internal Standards						
1) Pentafluorobenzene	8.230	168	572057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	938433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	868701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	387059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	331638	51.776	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.560%	
35) Dibromofluoromethane	8.171	113	281180	47.899	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.800%	
50) Toluene-d8	10.571	98	1109051	51.156	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	12.847	95	375422	53.045	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	192	0.224	ug/l #	72
16) Acetone	4.454	43	35583	17.261	ug/l	99
18) Methyl Acetate	5.065	43	3811	0.548	ug/l	91
20) Methylene Chloride	5.295	84	27712	4.007	ug/l	98
25) 2-Butanone	7.500	43	5943	1.895	ug/l #	83
29) Tetrahydrofuran	7.853	42	596	0.308	ug/l #	34
31) Cyclohexane	8.236	56	11316	1.150	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	43640	5.232	ug/l #	49
37) Ethyl Acetate	7.571	43	51720	7.761	ug/l	96
38) Carbon Tetrachloride	8.230	117	59603	6.407	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	2227	0.261	ug/l #	73
43) Isopropyl Acetate	8.694	43	251240	23.083	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	2814	0.471	ug/l #	42
48) Methyl methacrylate	9.741	41	222341	43.149	ug/l #	6
49) 1,4-Dioxane	9.741	88	262	2.410	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10982	1.719	ug/l	88
53) t-1,3-Dichloropropene	10.724	75	1733	0.208	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	106760	11.132	ug/l #	59
57) 1,3-Dichloropropane	11.206	76	14043	1.355	ug/l #	42
59) 2-Hexanone	11.171	43	222246	47.999	ug/l #	21
71) Bromoform	12.853	173	2271	0.460	ug/l #	1
74) N-amyl acetate	12.494	43	3022	0.351	ug/l #	54
76) 1,2,3-Trichloropropane	12.847	75	193931	27.068	ug/l #	1
77) Bromobenzene	12.976	156	369	Below Cal		71
81) trans-1,4-Dichloro-2-b...	12.847	75	193931	83.364	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	1793	1.562	ug/l	85
95) Naphthalene	15.641	128	8079	2.226	ug/l	95
96) 1,2,3-Trichlorobenzene	15.847	180	2089	1.469	ug/l	93

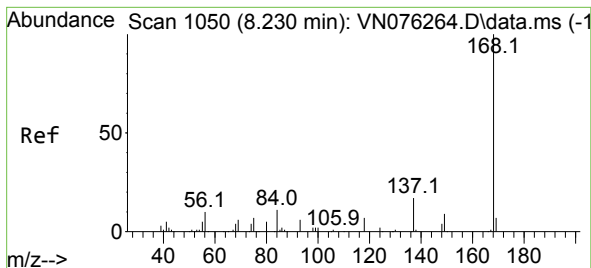
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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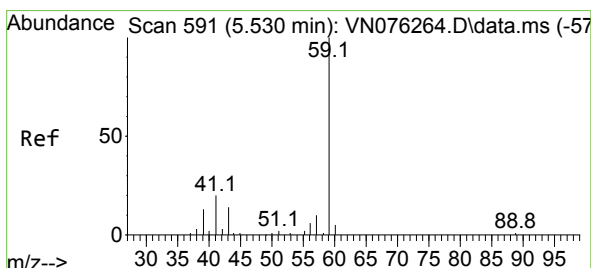
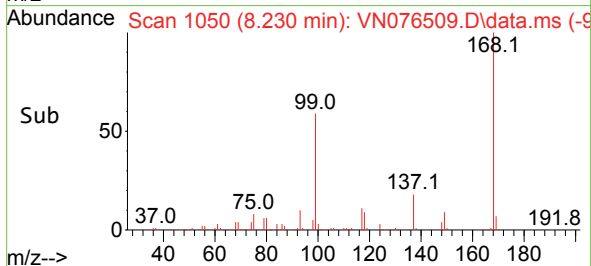
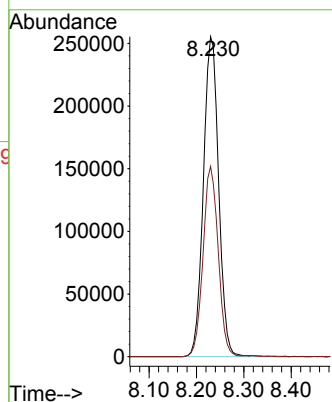
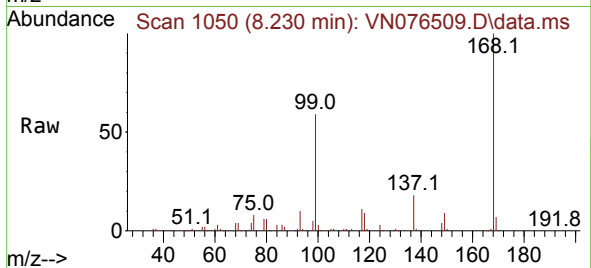




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

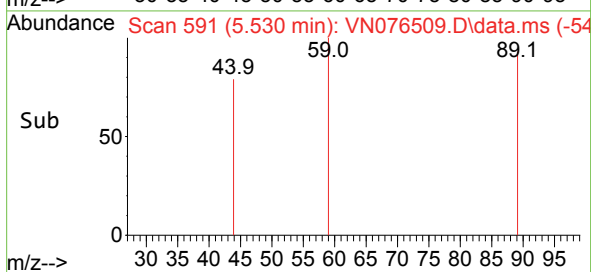
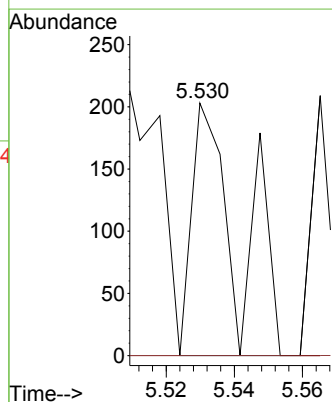
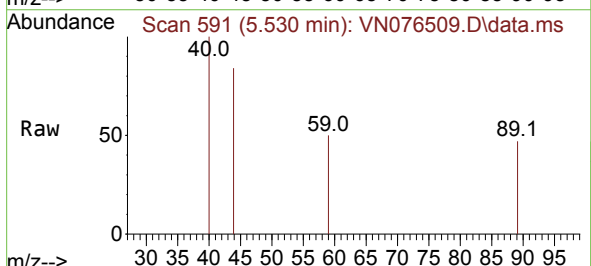
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

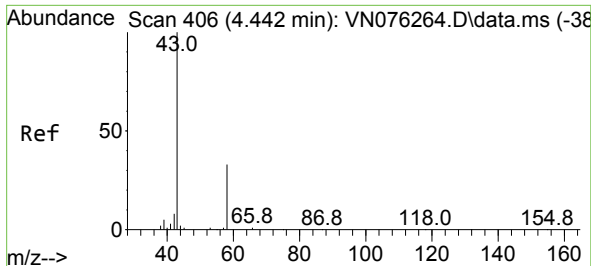
Tgt Ion:168 Resp: 572057
Ion Ratio Lower Upper
168 100
99 59.5 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.224 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.000 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

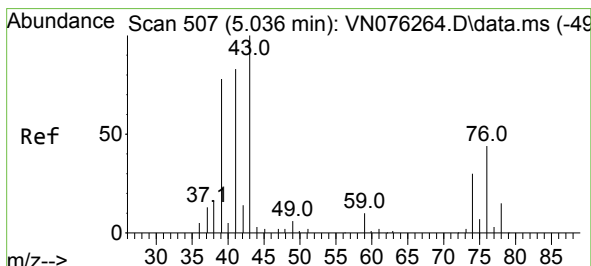
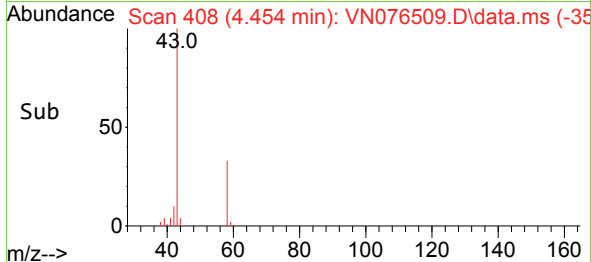
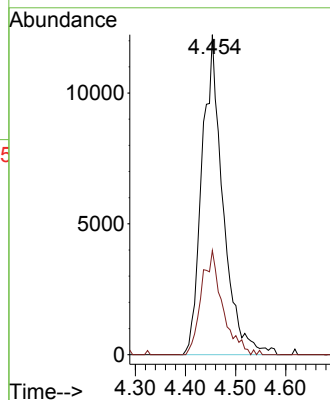
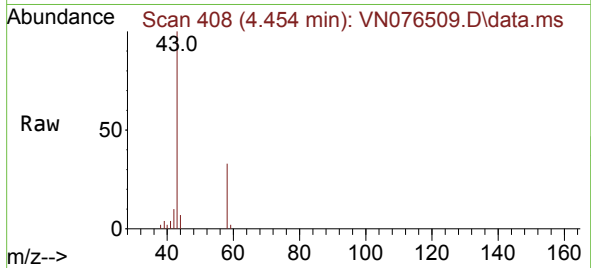




#16
Acetone
Concen: 17.261 ug/l
RT: 4.454 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

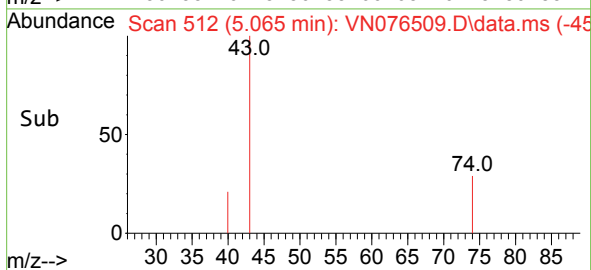
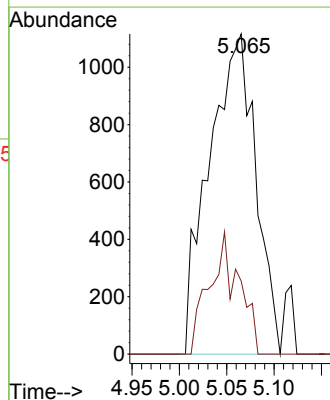
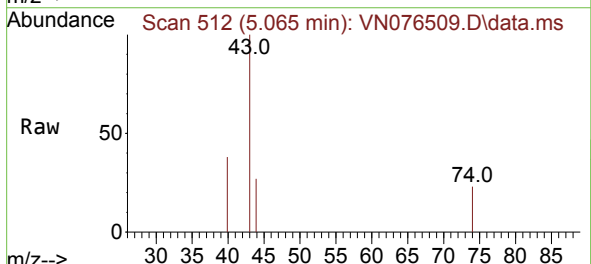
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

Tgt Ion: 43 Resp: 35583
Ion Ratio Lower Upper
43 100
58 32.6 26.7 40.1



#18
Methyl Acetate
Concen: 0.548 ug/l
RT: 5.065 min Scan# 512
Delta R.T. 0.029 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion: 43 Resp: 3811
Ion Ratio Lower Upper
43 100
74 24.4 23.3 34.9

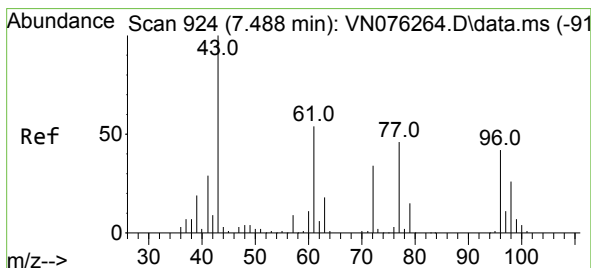
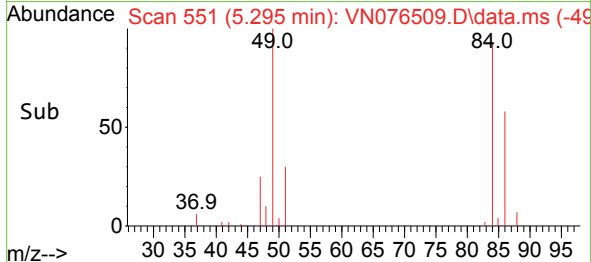
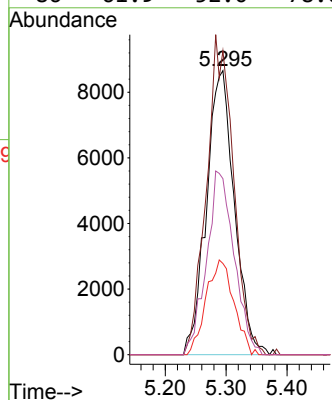
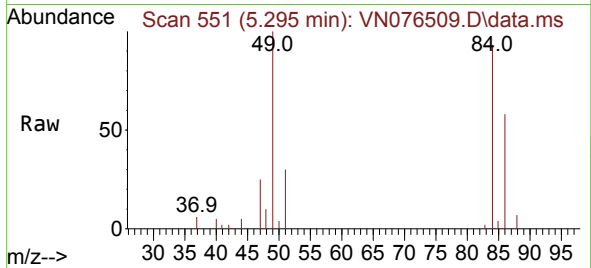




#20
Methylene Chloride
Concen: 4.007 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

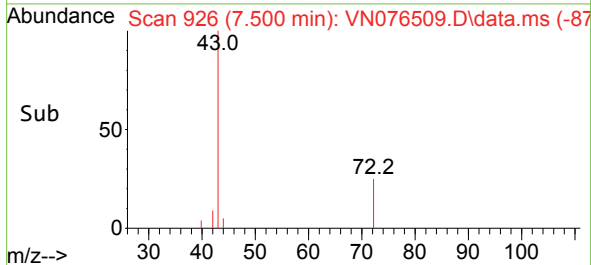
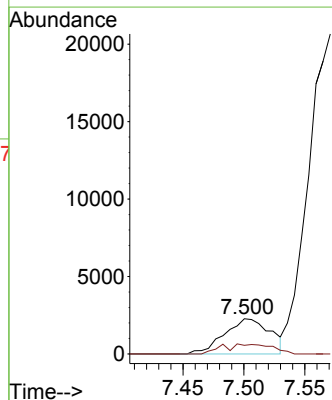
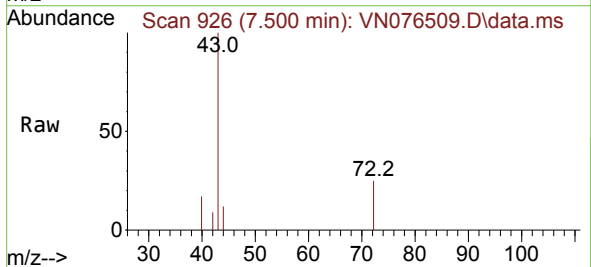
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

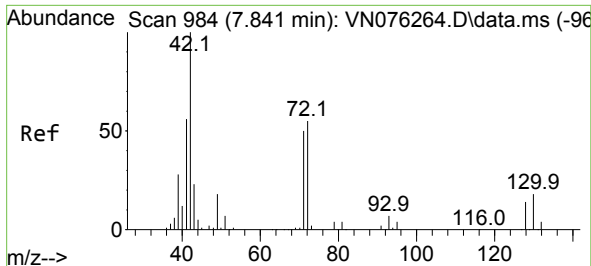
Tgt Ion: 84	Resp: 27712		
Ion	Ratio	Lower	Upper
84	100		
49	107.0	84.5	126.7
51	32.1	26.0	39.0
86	61.9	52.0	78.0



#25
2-Butanone
Concen: 1.895 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion: 43	Resp: 5943
Ion Ratio	Lower Upper
43 100	
72 24.7	27.4 41.2#





#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

JPP-9-013123

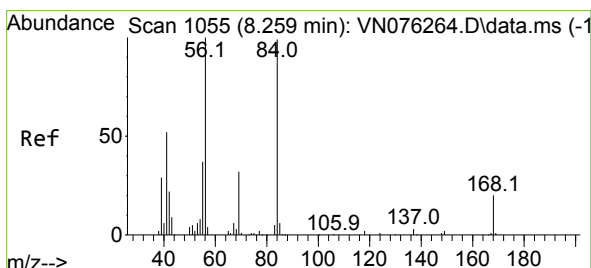
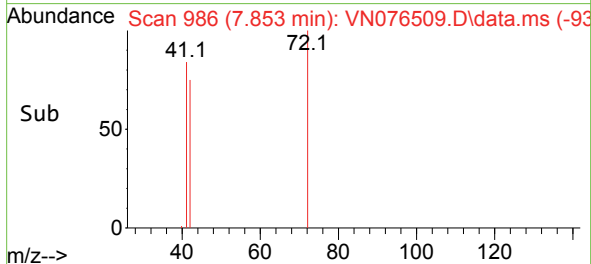
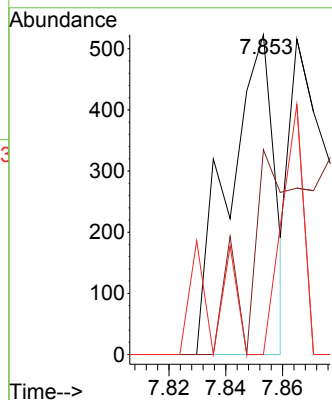
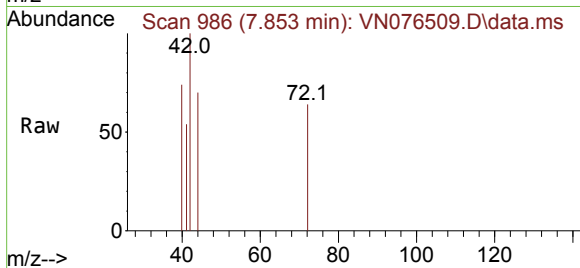
Tgt Ion: 42 Resp: 596

Ion Ratio Lower Upper

42 100

72 98.0 44.0 66.0#

71 0.0 41.1 61.7#



#31

Cyclohexane

Concen: 1.150 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.023 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

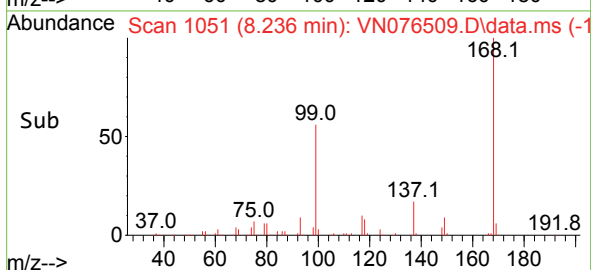
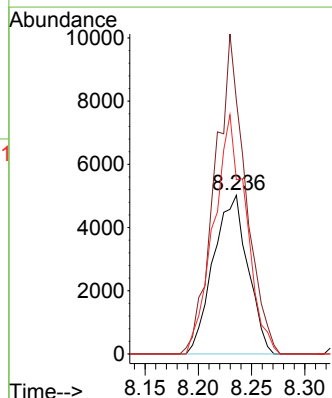
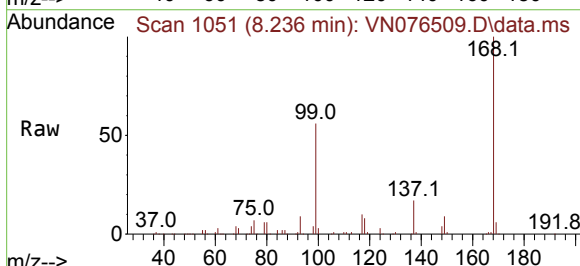
Tgt Ion: 56 Resp: 11316

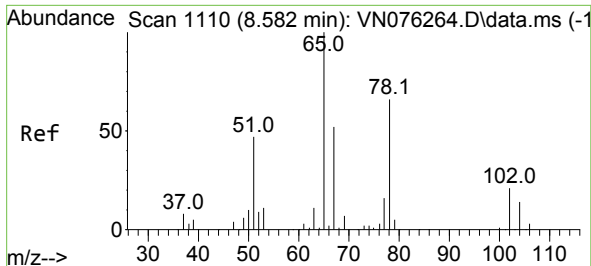
Ion Ratio Lower Upper

56 100

69 159.9 25.8 38.8#

84 109.8 79.0 118.4





#33

1,2-Dichloroethane-d4

Concen: 51.776 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

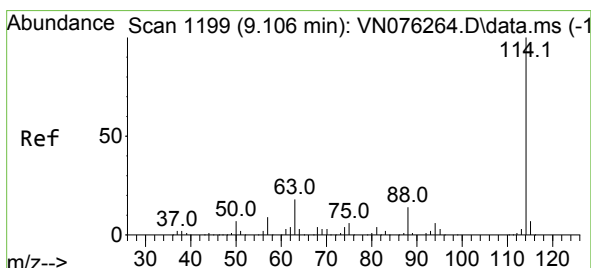
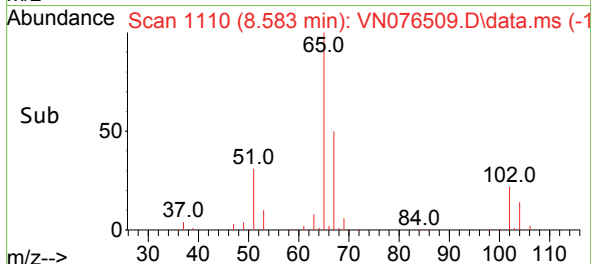
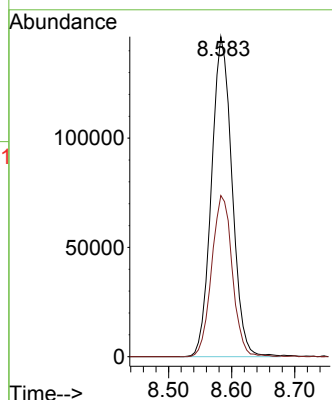
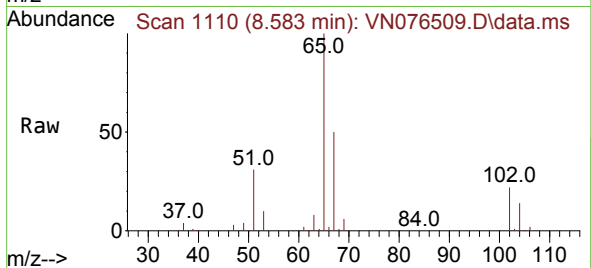
JPP-9-013123

Tgt Ion: 65 Resp: 331638

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

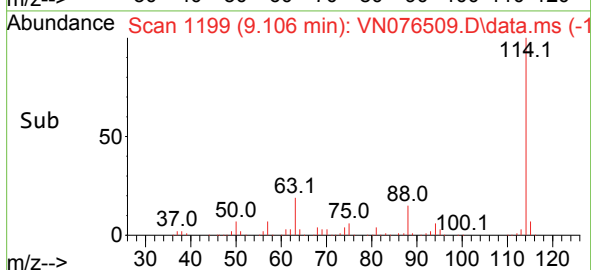
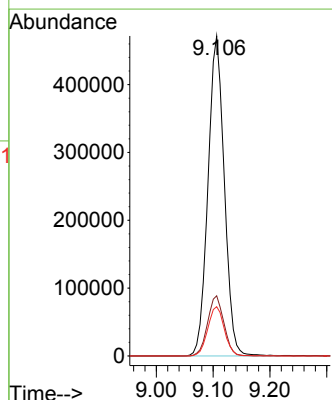
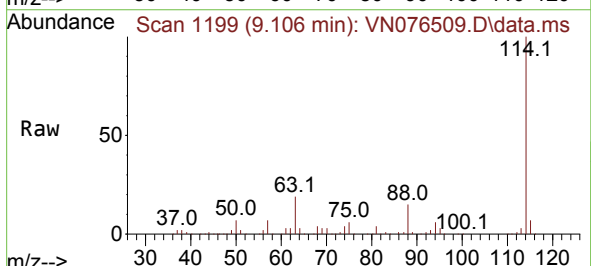
Tgt Ion: 114 Resp: 938433

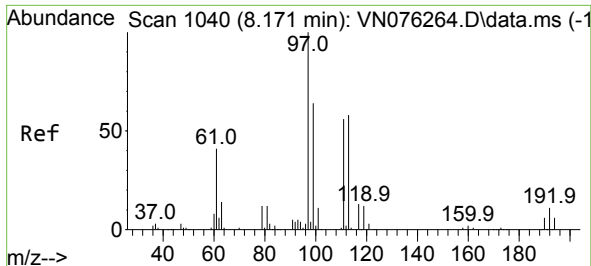
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.8

88 15.4 0.0 28.0

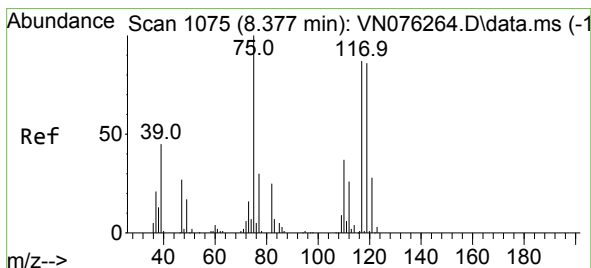
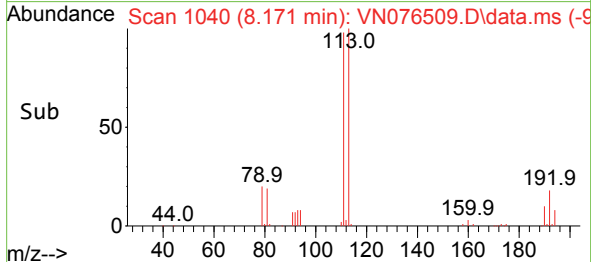
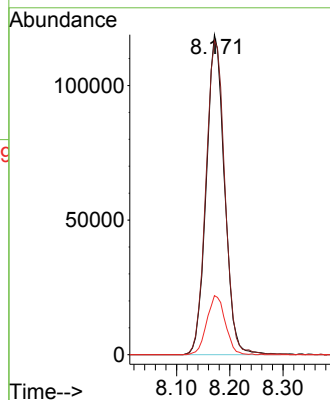
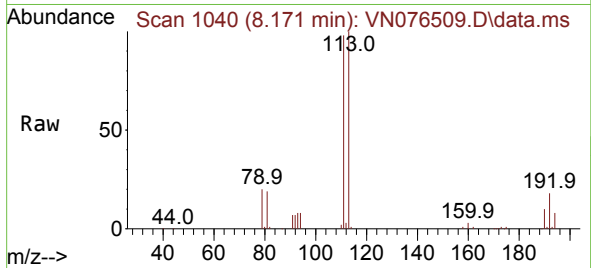




#35
Dibromofluoromethane
Concen: 47.899 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

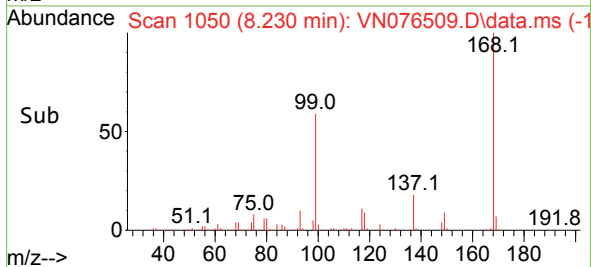
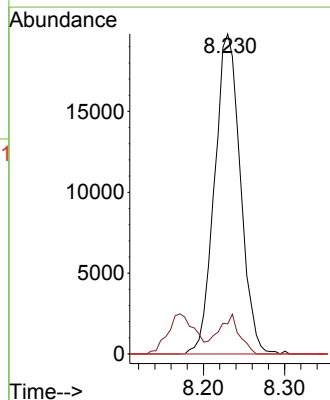
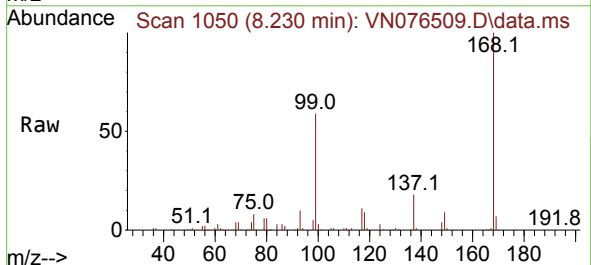
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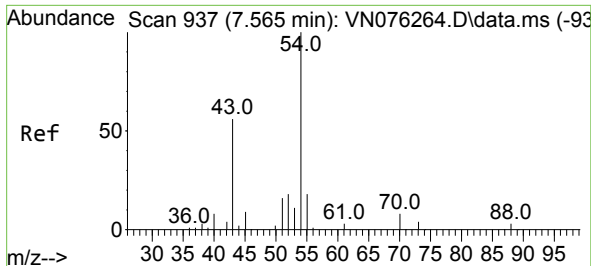
Tgt Ion:113 Resp: 281180
Ion Ratio Lower Upper
113 100
111 102.1 82.7 124.1
192 18.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.232 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion: 75 Resp: 43640
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.3#
77 0.0 25.0 37.4#

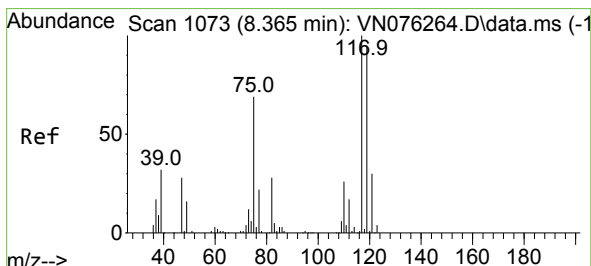
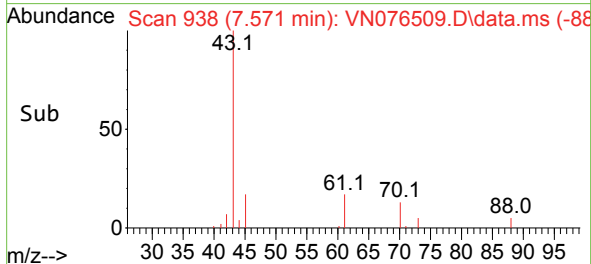
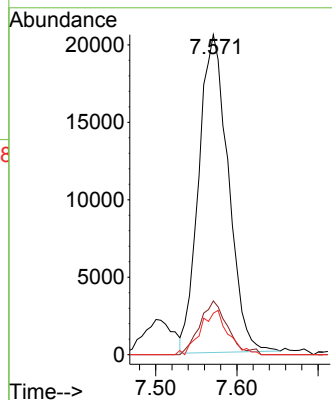
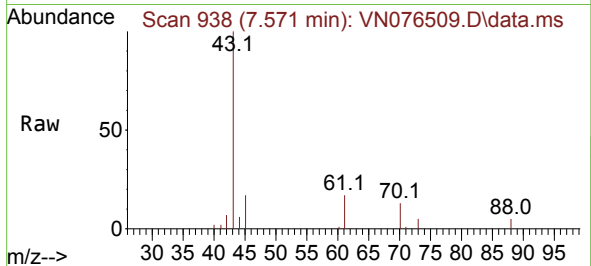




#37
Ethyl Acetate
Concen: 7.761 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

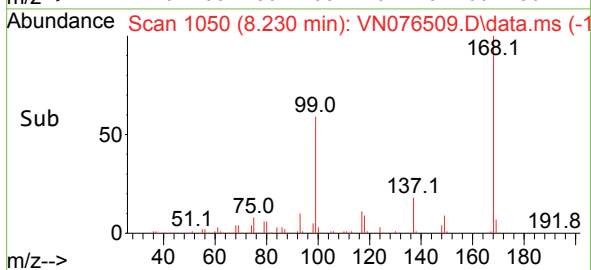
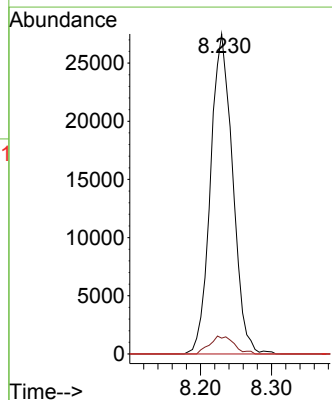
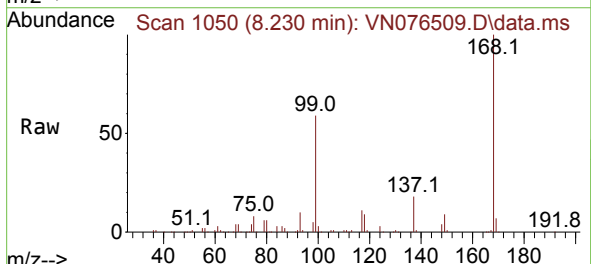
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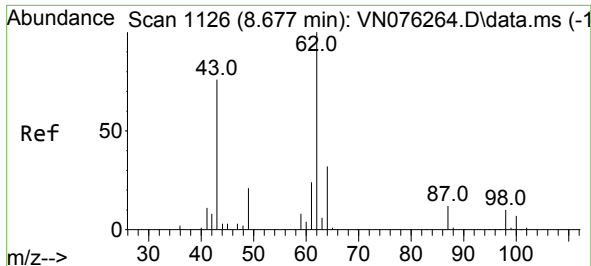
Tgt Ion: 43 Resp: 51720
Ion Ratio Lower Upper
43 100
61 16.1 11.1 16.7
70 13.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.407 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion: 117 Resp: 59603
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.0#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.261 ug/l

RT: 8.683 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

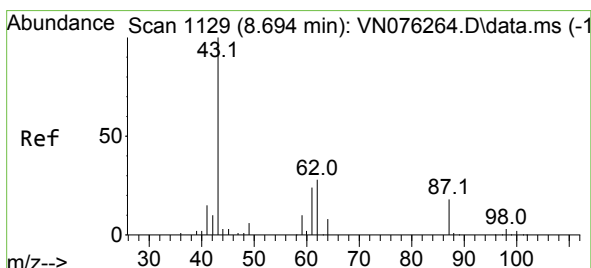
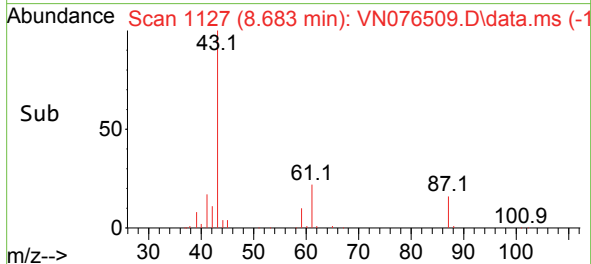
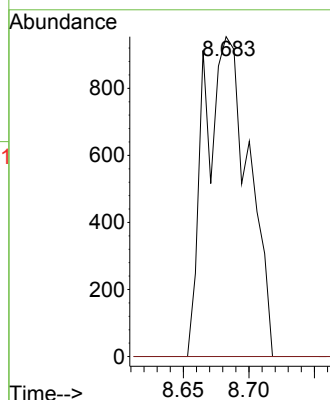
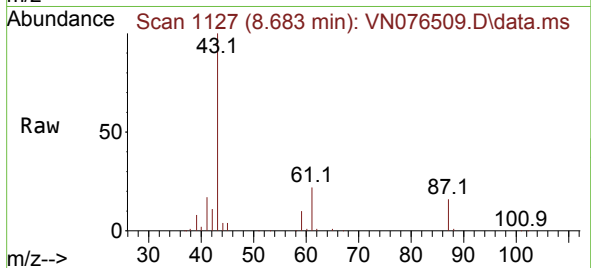
JPP-9-013123

Tgt Ion: 62 Resp: 2227

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 23.083 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

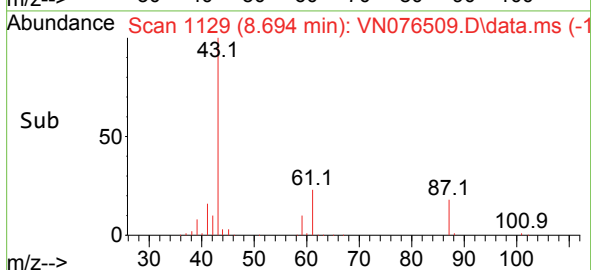
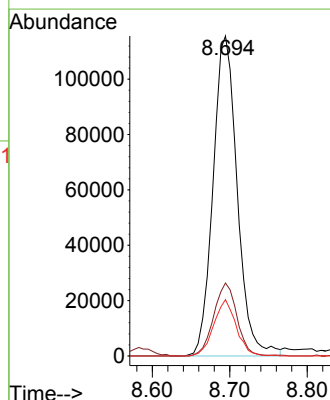
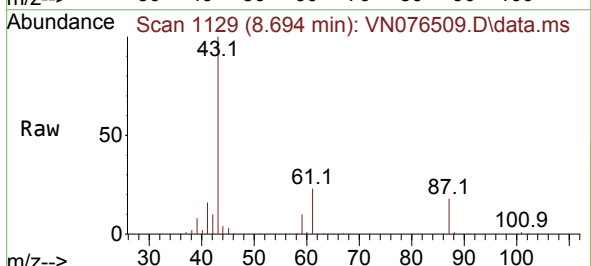
Tgt Ion: 43 Resp: 251240

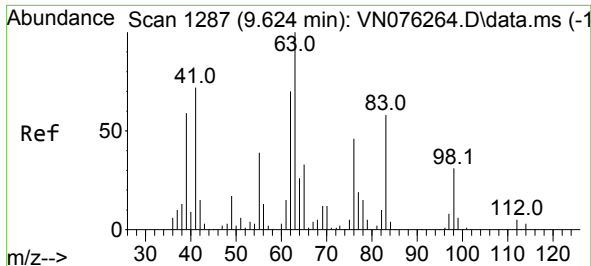
Ion Ratio Lower Upper

43 100

61 21.8 23.5 35.3#

87 16.4 13.8 20.6

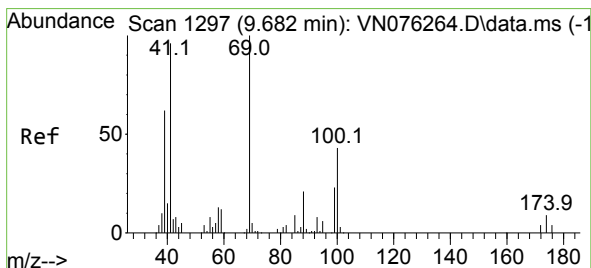
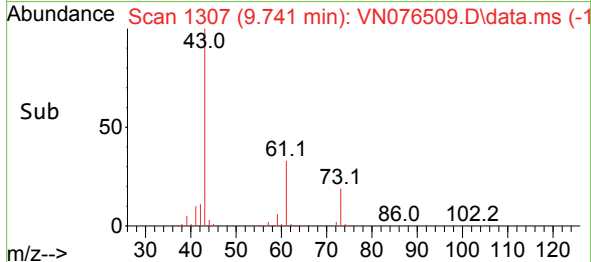
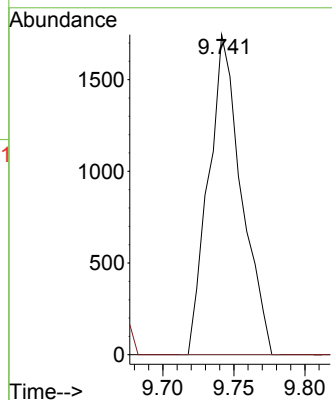
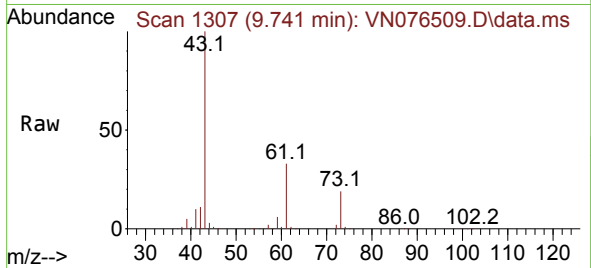




#45
1,2-Dichloropropane
Concen: 0.471 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

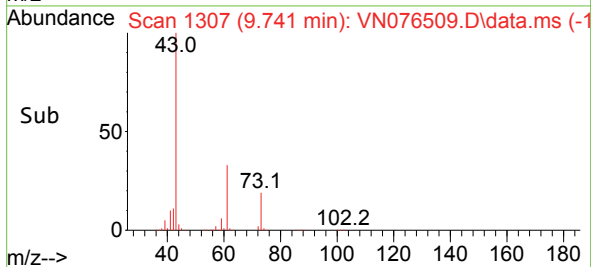
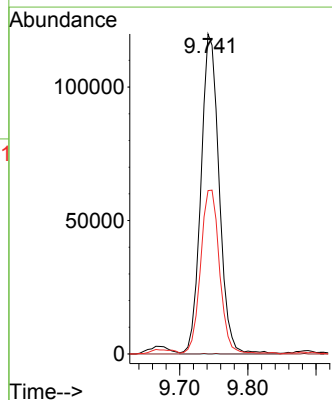
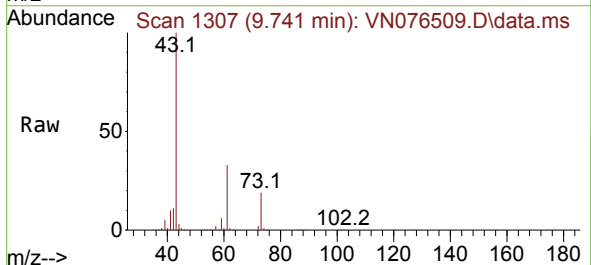
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

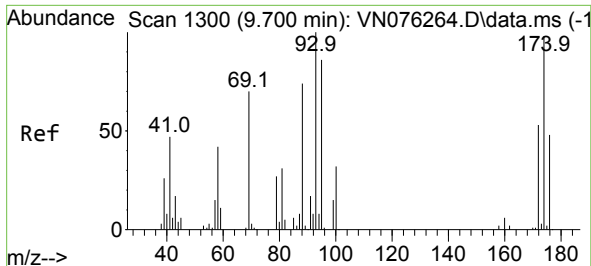
Tgt Ion: 63 Resp: 2814
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#



#48
Methyl methacrylate
Concen: 43.149 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.059 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion: 41 Resp: 222341
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 0.0 54.4 81.6#





#49

1,4-Dioxane

Concen: 2.410 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

JPP-9-013123

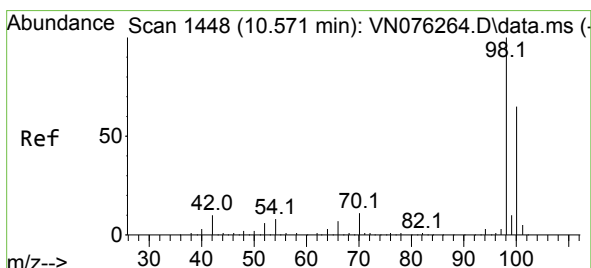
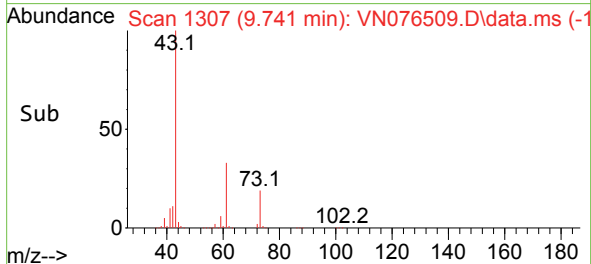
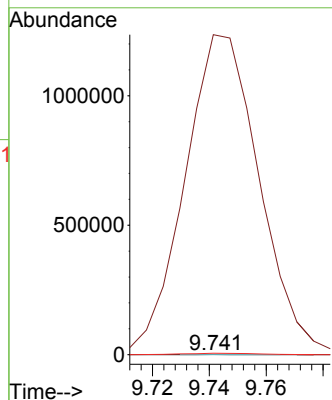
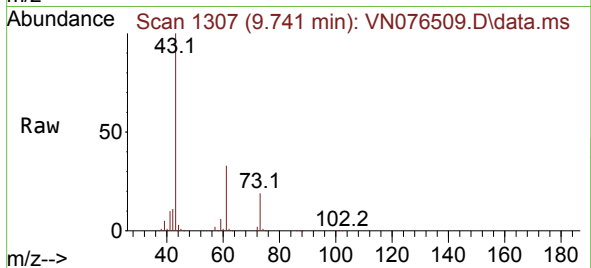
Tgt Ion: 88 Resp: 262

Ion Ratio Lower Upper

88 100

43 870167.6 18.1 27.1#

58 3888.5 46.5 69.7#



#50

Toluene-d8

Concen: 51.156 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076509.D

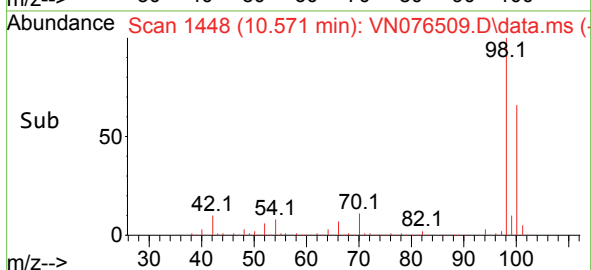
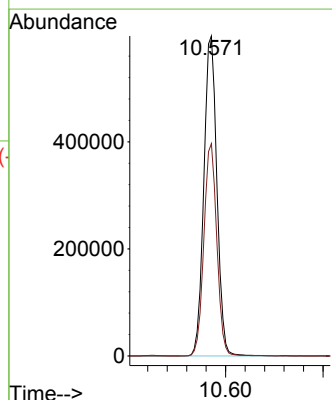
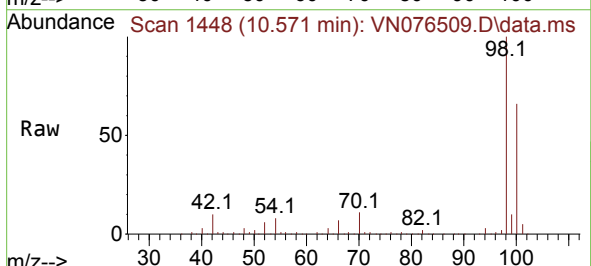
Acq: 02 Feb 2023 14:51

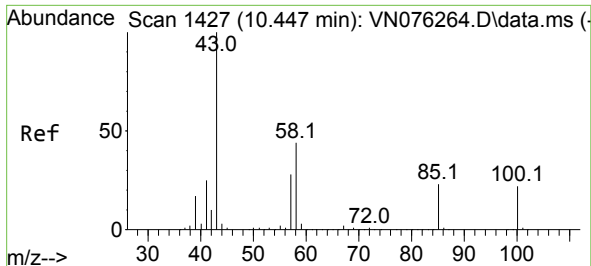
Tgt Ion: 98 Resp: 1109051

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.719 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

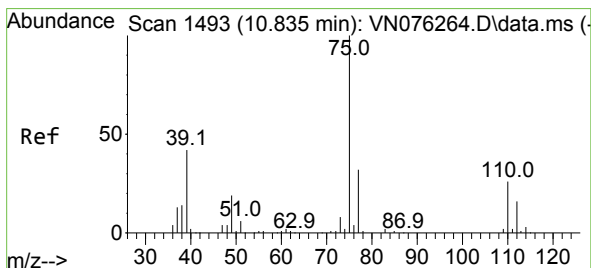
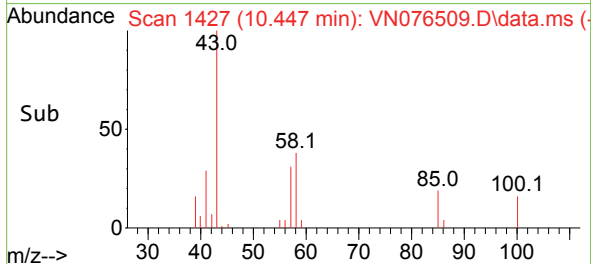
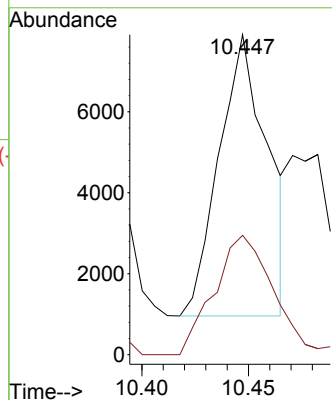
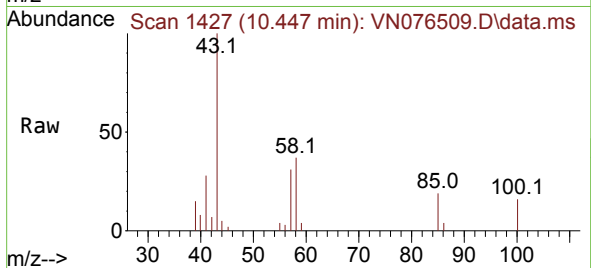
JPP-9-013123

Tgt Ion: 43 Resp: 10982

Ion Ratio Lower Upper

43 100

58 51.8 35.1 52.7



#53

t-1,3-Dichloropropene

Concen: 0.208 ug/l

RT: 10.724 min Scan# 1474

Delta R.T. -0.111 min

Lab File: VN076509.D

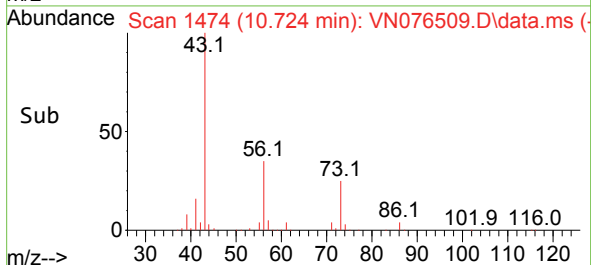
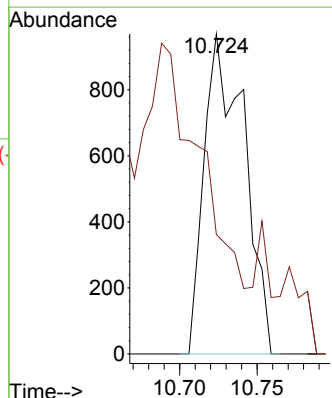
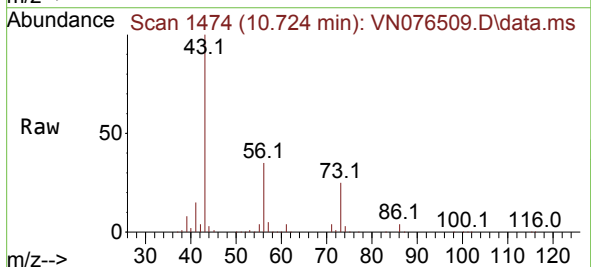
Acq: 02 Feb 2023 14:51

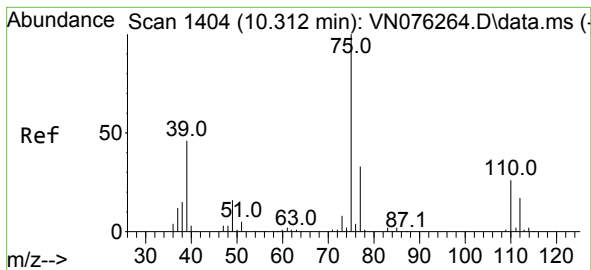
Tgt Ion: 75 Resp: 1733

Ion Ratio Lower Upper

75 100

77 19.4 25.8 38.6#

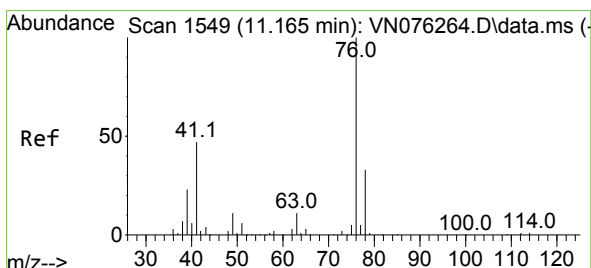
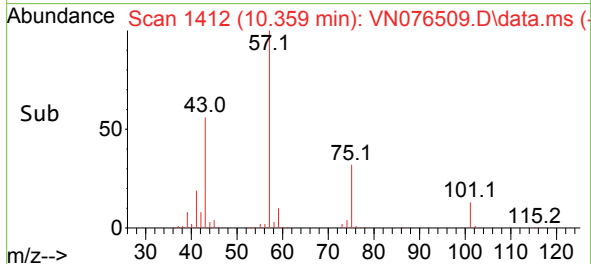
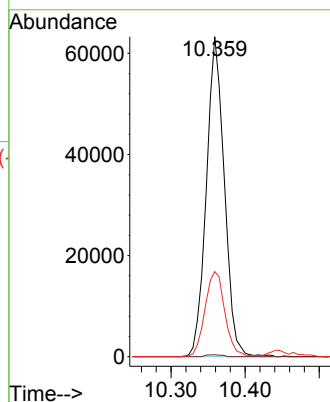
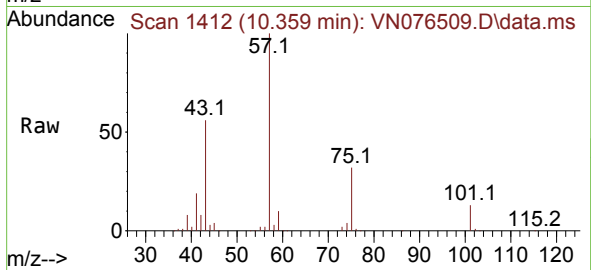




#54
 cis-1,3-Dichloropropene
 Concen: 11.132 ug/l
 RT: 10.359 min Scan# 1404
 Delta R.T. 0.047 min
 Lab File: VN076509.D
 Acq: 02 Feb 2023 14:51

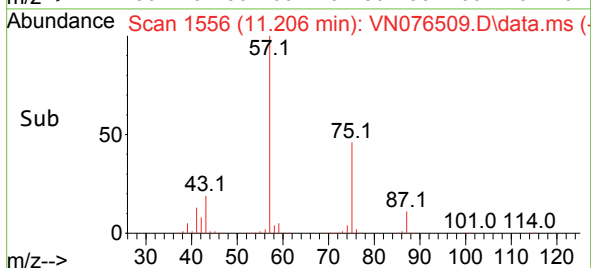
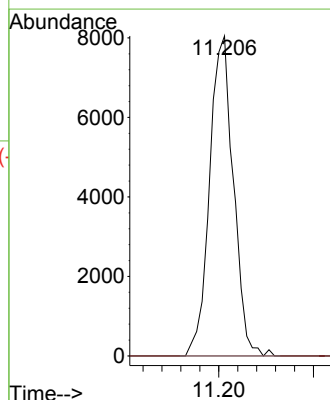
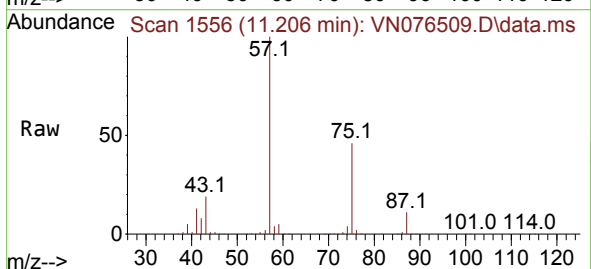
Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-9-013123

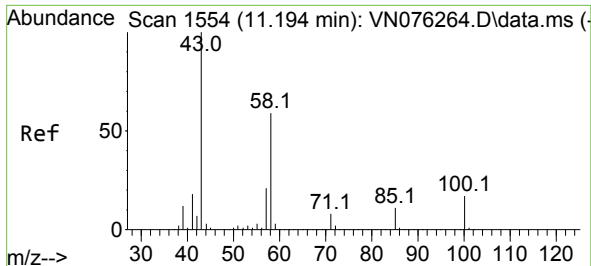
Tgt Ion: 75 Resp: 106760
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.5 39.7#
 39 26.6 37.1 55.7#



#57
 1,3-Dichloropropane
 Concen: 1.355 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN076509.D
 Acq: 02 Feb 2023 14:51

Tgt Ion: 76 Resp: 14043
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.4 39.6#

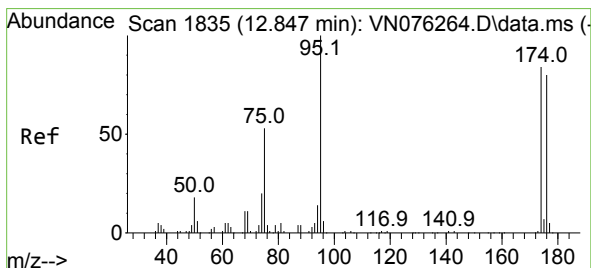
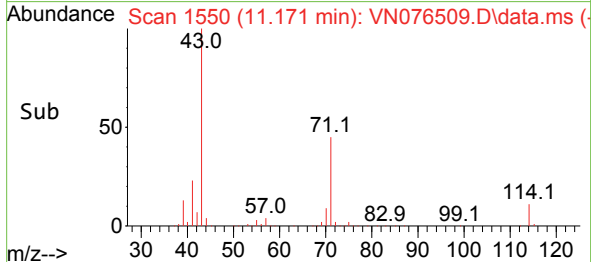
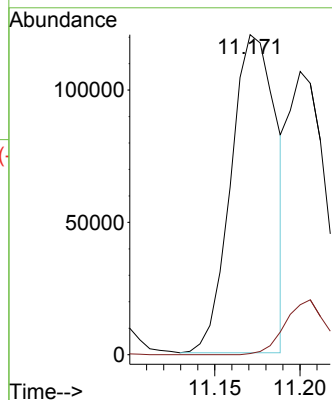
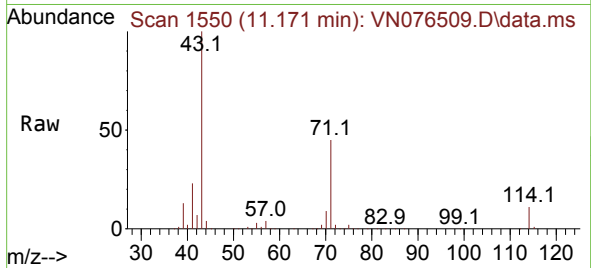




#59
2-Hexanone
Concen: 47.999 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

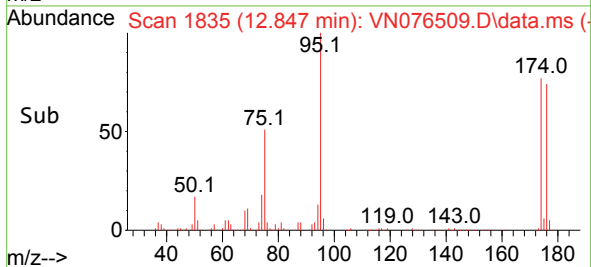
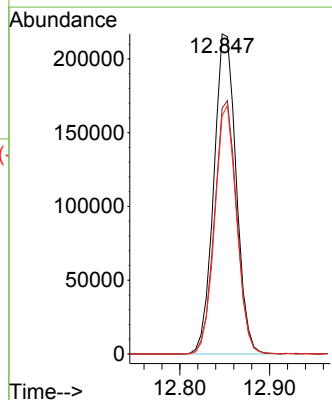
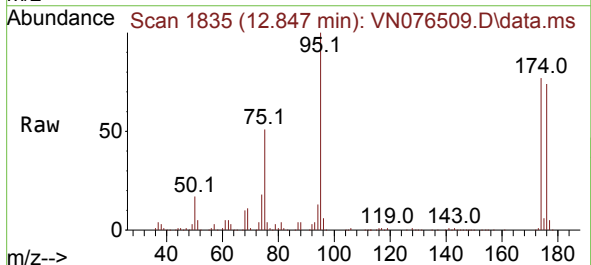
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

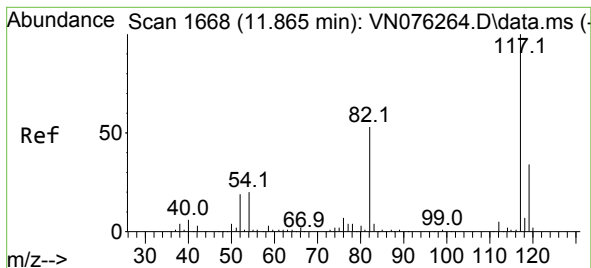
Tgt Ion: 43 Resp: 222246
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 53.045 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion: 95 Resp: 375422
Ion Ratio Lower Upper
95 100
174 78.6 0.0 174.6
176 75.8 0.0 167.8

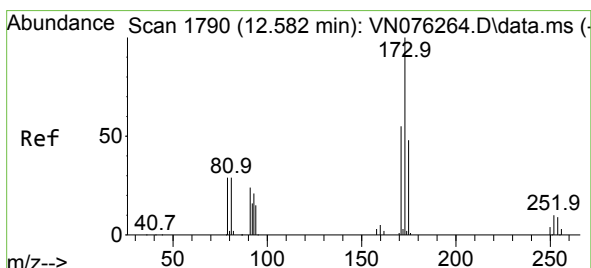
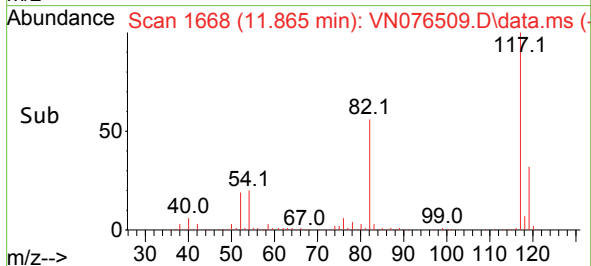
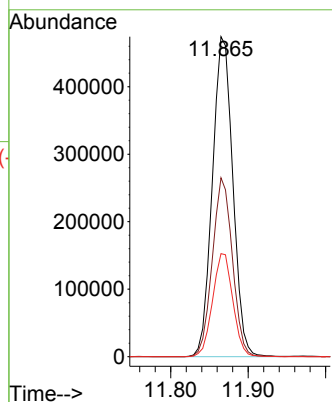
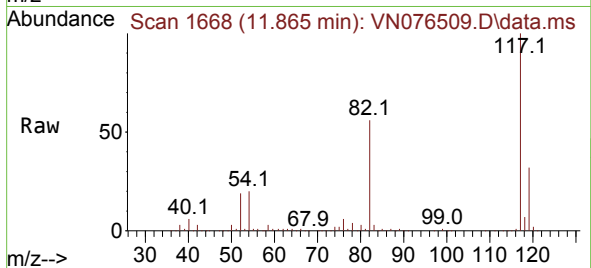




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

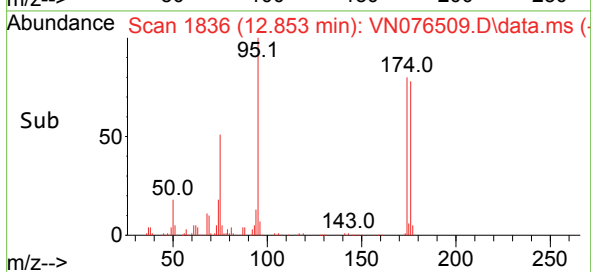
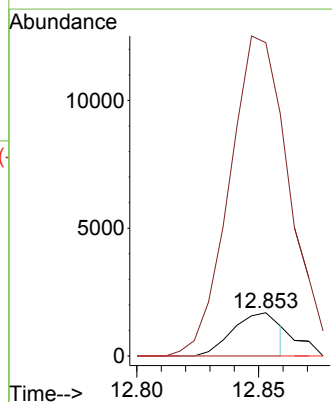
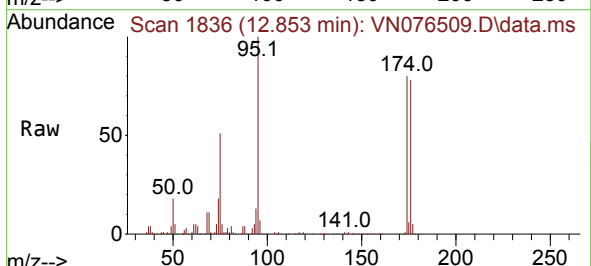
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

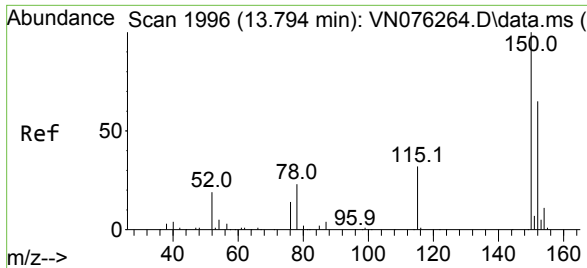
Tgt Ion:117 Resp: 868701
Ion Ratio Lower Upper
117 100
82 55.9 42.2 63.2
119 32.2 26.9 40.3



#71
Bromoform
Concen: 0.460 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion:173 Resp: 2271
Ion Ratio Lower Upper
173 100
175 796.3 24.1 72.4#
254 0.0 0.0 0.0

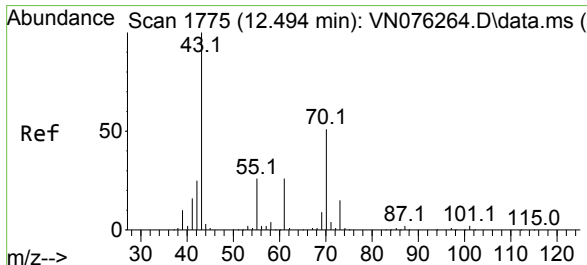
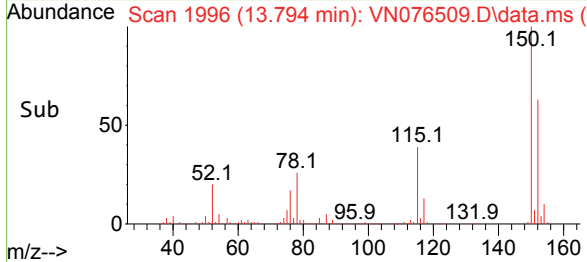
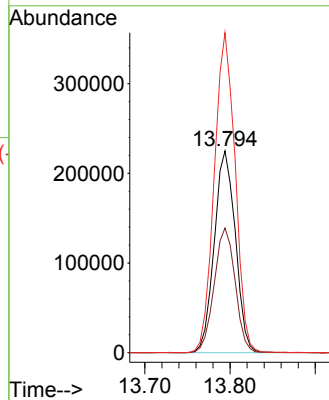
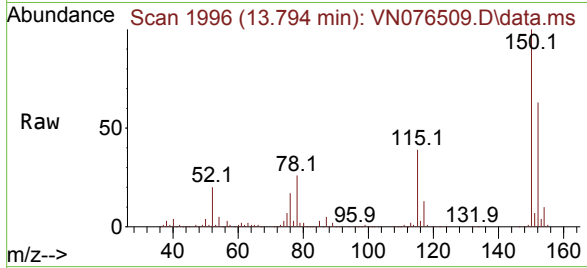




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

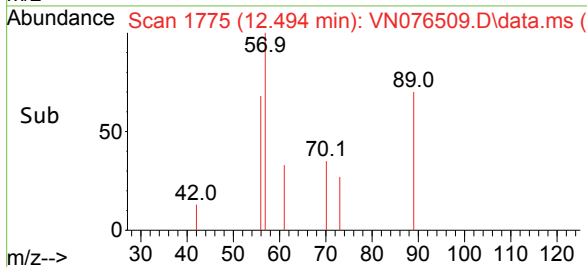
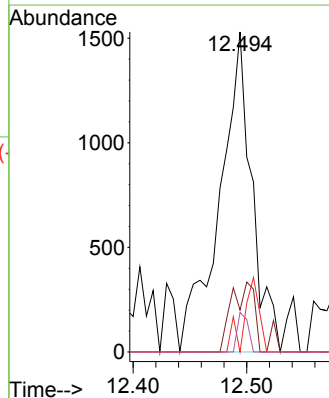
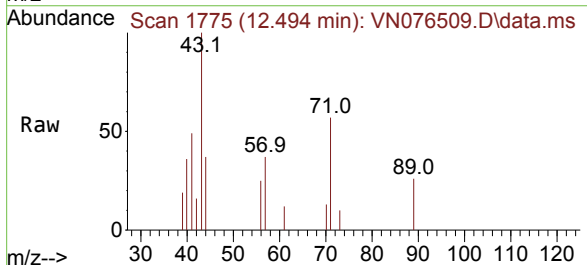
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

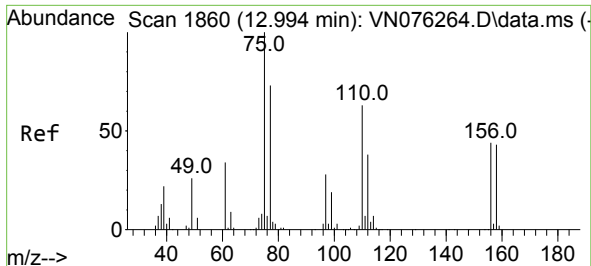
Tgt Ion:152 Resp: 387059
Ion Ratio Lower Upper
152 100
115 61.5 29.6 88.9
150 157.1 0.0 351.4



#74
N-ethyl acetate
Concen: 0.351 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion: 43 Resp: 3022
Ion Ratio Lower Upper
43 100
70 15.2 41.2 61.8#
55 11.0 21.0 31.6#
61 0.0 21.6 32.4#

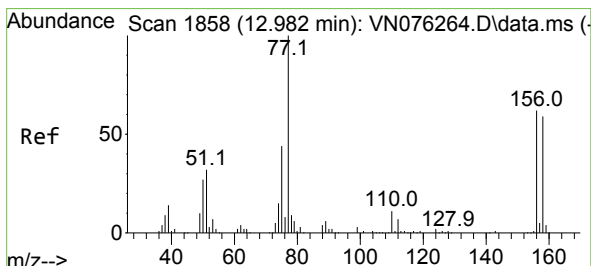
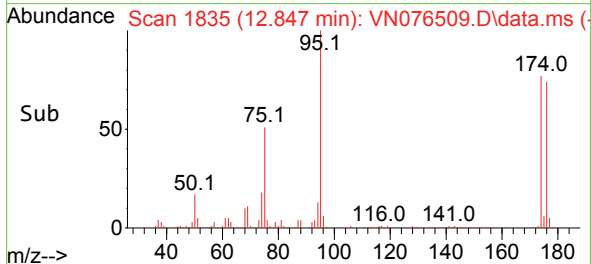
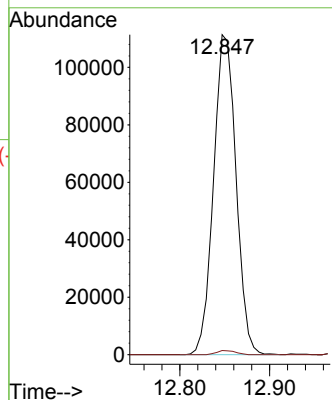
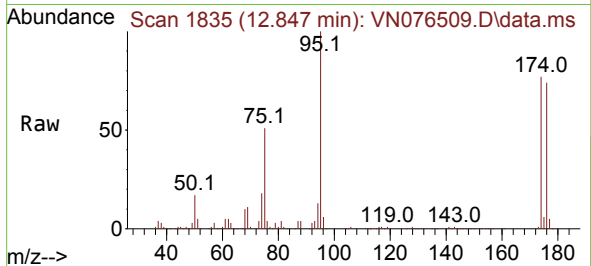




#76
1,2,3-Trichloropropane
Concen: 27.068 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

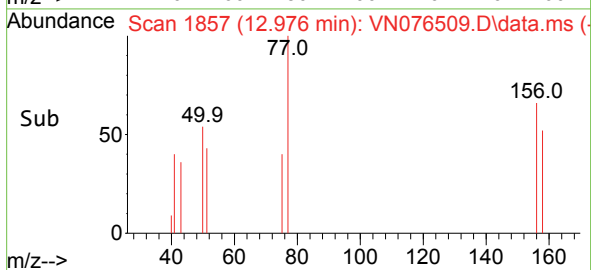
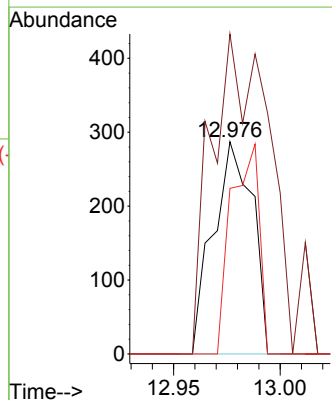
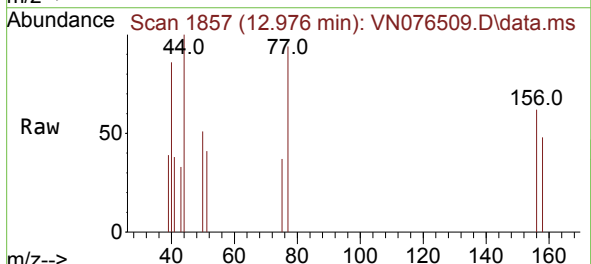
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

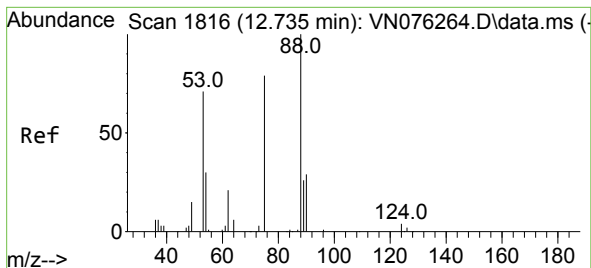
Tgt Ion: 75 Resp: 193931
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion:156 Resp: 369
Ion Ratio Lower Upper
156 100
77 231.4 93.4 280.2
158 70.5 48.4 145.2

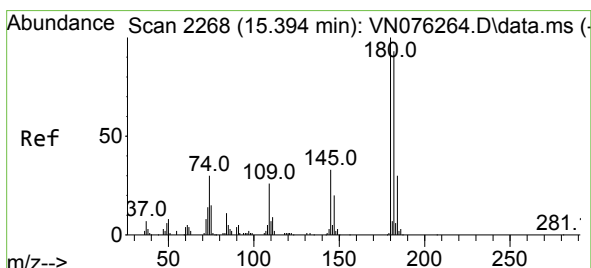
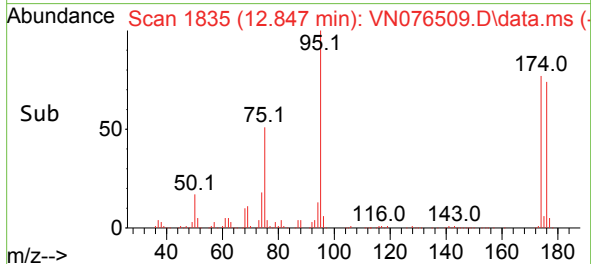
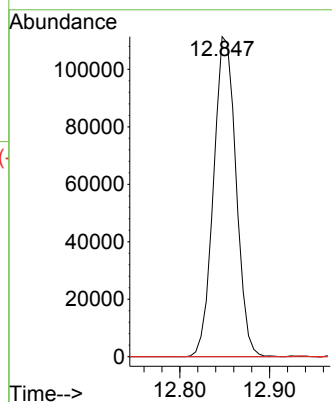
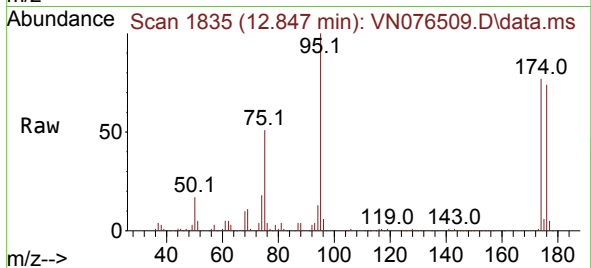




#81
trans-1,4-Dichloro-2-butene
Concen: 83.364 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

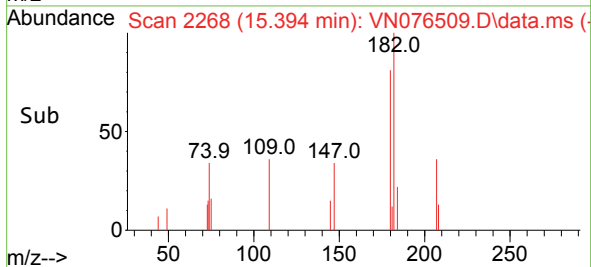
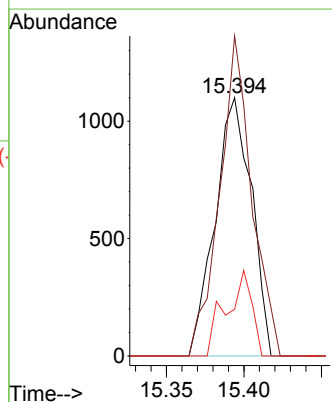
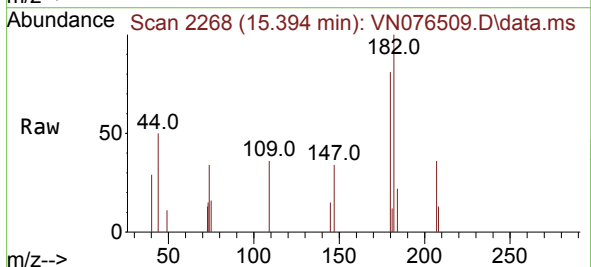
Instrument :
MSVOA_N
ClientSampleId :
JPP-9-013123

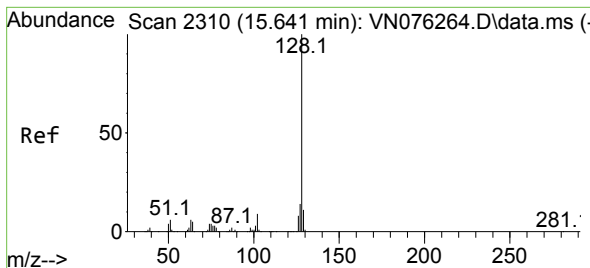
Tgt Ion: 75 Resp: 193931
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.562 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VN076509.D
Acq: 02 Feb 2023 14:51

Tgt Ion:180 Resp: 1793
Ion Ratio Lower Upper
180 100
182 109.2 47.0 141.2
145 23.3 15.2 45.5





#95

Naphthalene

Concen: 2.226 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. 0.000 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

JPP-9-013123

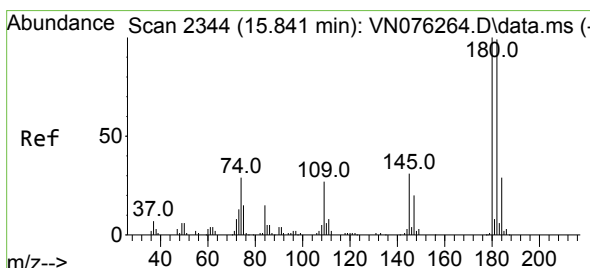
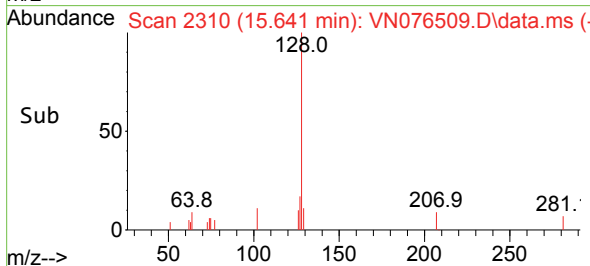
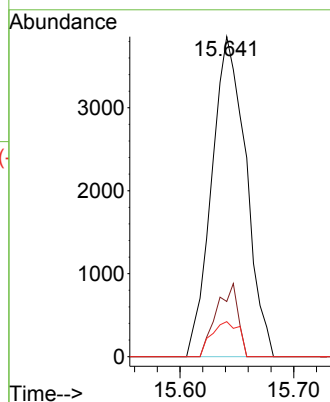
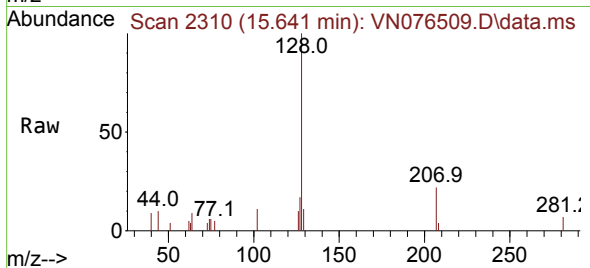
Tgt Ion:128 Resp: 8079

Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

129 8.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.469 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076509.D

Acq: 02 Feb 2023 14:51

Tgt Ion:180 Resp: 2089

Ion Ratio Lower Upper

180 100

182 98.0 47.5 142.5

145 22.4 15.9 47.6

