

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076587.D
 Acq On : 08 Feb 2023 18:10
 Operator : JC\MD
 Sample : 01445-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-34-020323

Quant Time: Feb 09 00:52:43 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)

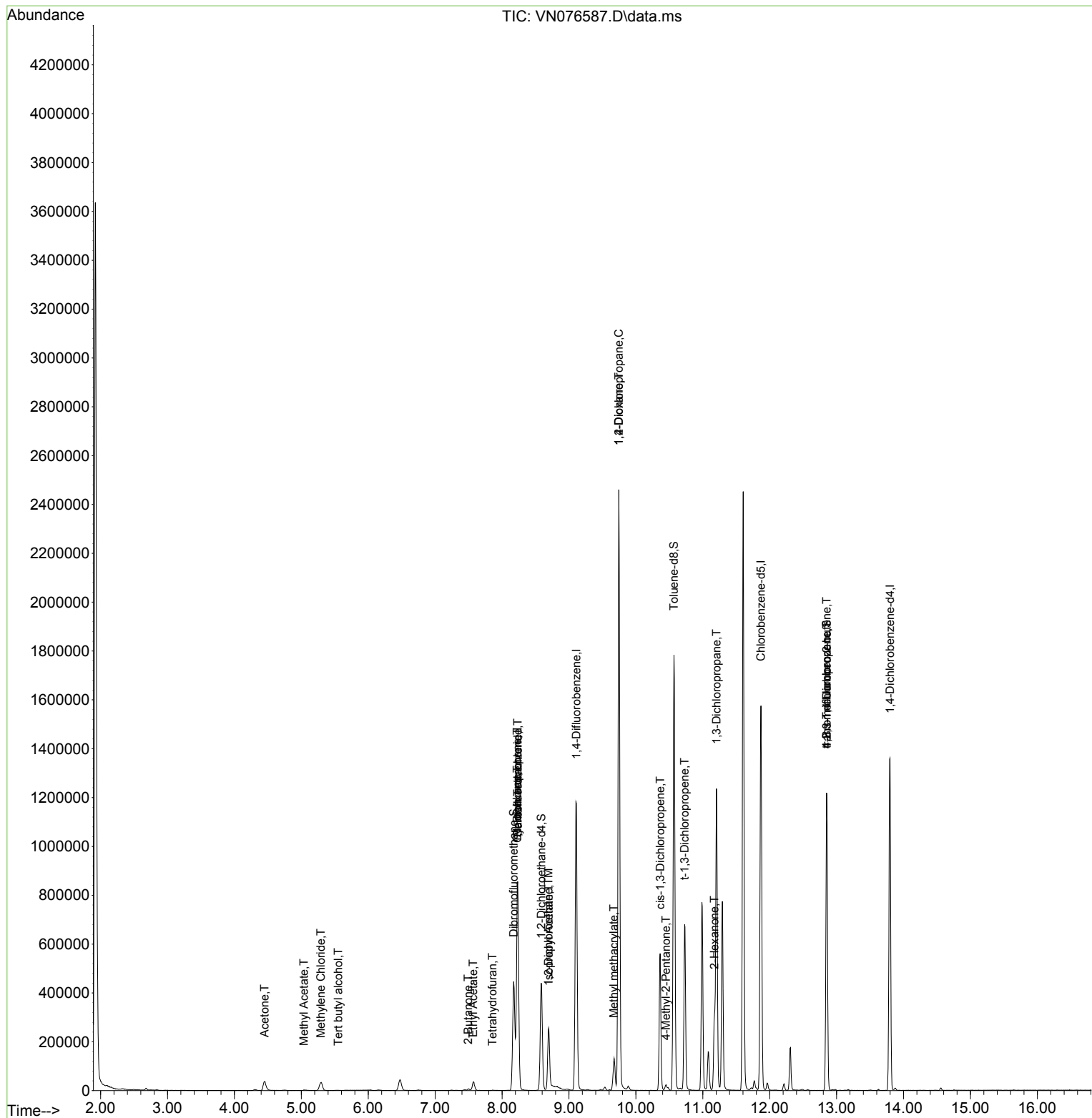
Internal Standards						
1) Pentafluorobenzene	8.233	168	664693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.110	114	1114329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.869	117	993690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.798	152	410802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.586	65	363446	46.326	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.660%		
35) Dibromofluoromethane	8.175	113	336404	48.564	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	10.569	98	1301181	49.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.860%		
62) 4-Bromofluorobenzene	12.851	95	444802	48.450	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.900%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.551	59	1460	1.429	ug/l #	72
16) Acetone	4.451	43	71032	27.462	ug/l	91
18) Methyl Acetate	5.040	43	2324	0.284	ug/l #	82
20) Methylene Chloride	5.292	84	32241	4.043	ug/l	93
25) 2-Butanone	7.492	43	10115	2.721	ug/l	92
29) Tetrahydrofuran	7.857	42	611	0.256	ug/l #	64
31) Cyclohexane	8.228	56	11159	0.900	ug/l #	1
36) 1,1-Dichloropropene	8.228	75	47788	4.832	ug/l #	49
37) Ethyl Acetate	7.569	43	51304	6.924	ug/l	95
38) Carbon Tetrachloride	8.233	117	67364	6.335	ug/l #	15
42) 1,2-Dichloroethane	8.692	62	2246	0.230	ug/l #	71
43) Isopropyl Acetate	8.698	43	297884	24.160	ug/l #	87
45) 1,2-Dichloropropane	9.745	63	3362	0.467	ug/l #	42
48) Methyl methacrylate	9.669	41	7058	1.164	ug/l #	30
49) 1,4-Dioxane	9.745	88	651	5.019	ug/l #	1
51) 4-Methyl-2-Pentanone	10.451	43	21499	2.901	ug/l #	79
53) t-1,3-Dichloropropene	10.727	75	2197	0.218	ug/l #	79
54) cis-1,3-Dichloropropene	10.363	75	118823	10.324	ug/l #	58
57) 1,3-Dichloropropane	11.204	76	14172	1.155	ug/l #	42
59) 2-Hexanone	11.174	43	244516	46.284	ug/l #	18
76) 1,2,3-Trichloropropane	12.851	75	215423	28.106	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.851	75	215423	86.305	ug/l #	10

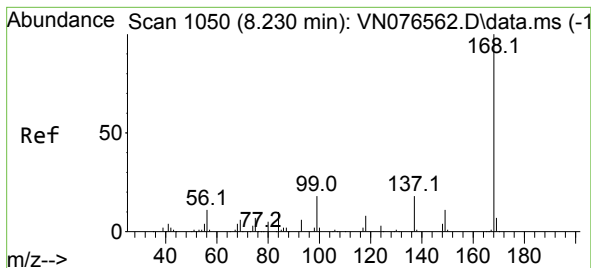
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1050

Delta R.T. 0.003 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

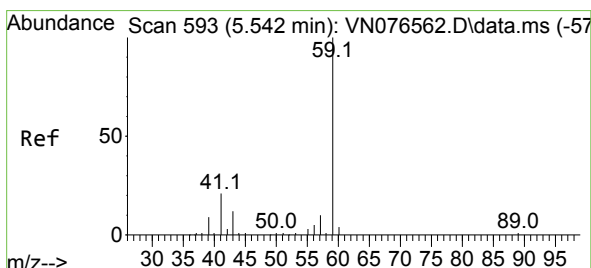
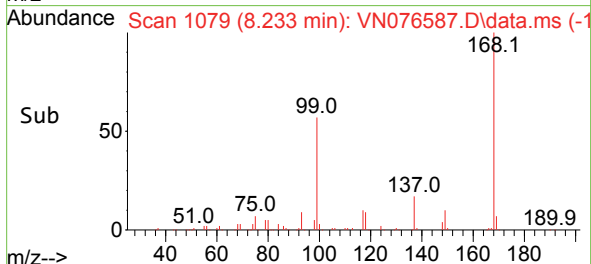
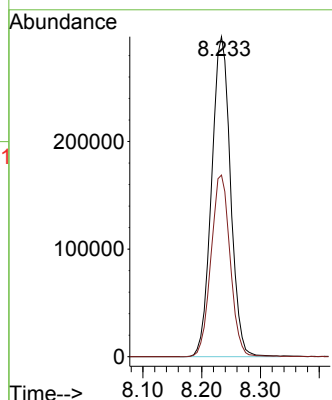
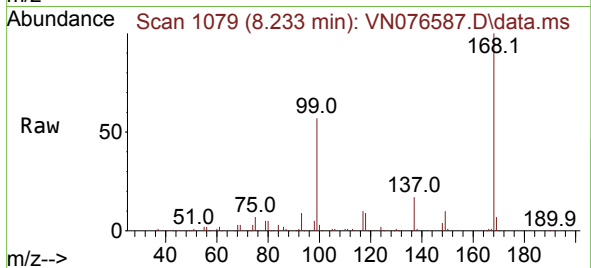
JPP-34-020323

Tgt Ion:168 Resp: 664693

Ion Ratio Lower Upper

168 100

99 56.7 47.8 71.8



#11

Tert butyl alcohol

Concen: 1.429 ug/l

RT: 5.551 min Scan# 623

Delta R.T. 0.009 min

Lab File: VN076587.D

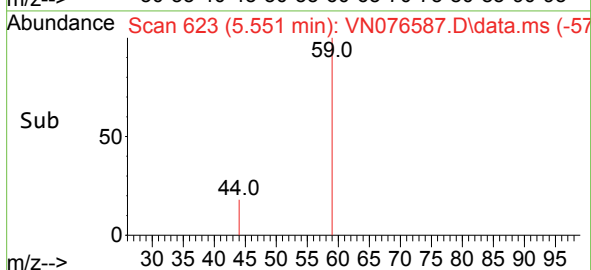
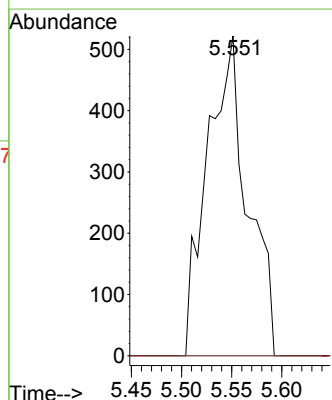
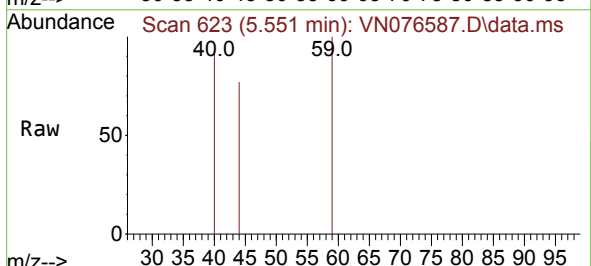
Acq: 08 Feb 2023 18:10

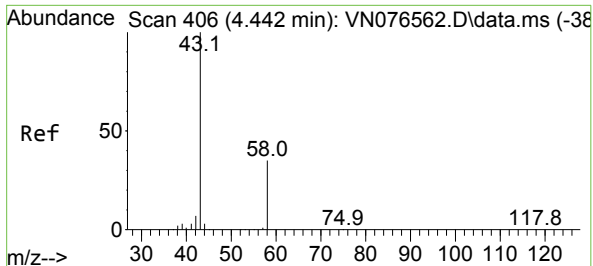
Tgt Ion: 59 Resp: 1460

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 27.462 ug/l

RT: 4.451 min Scan# 41

Delta R.T. 0.009 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

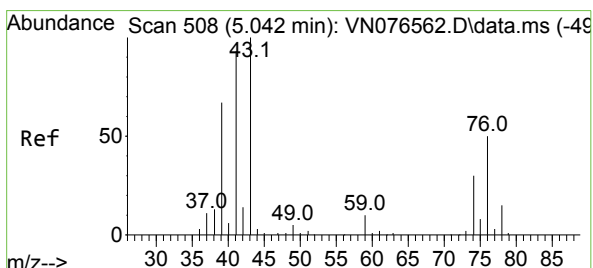
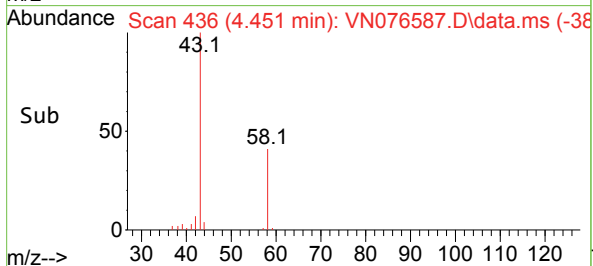
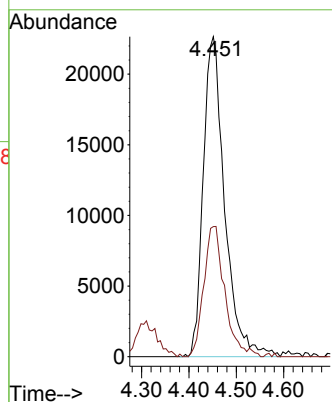
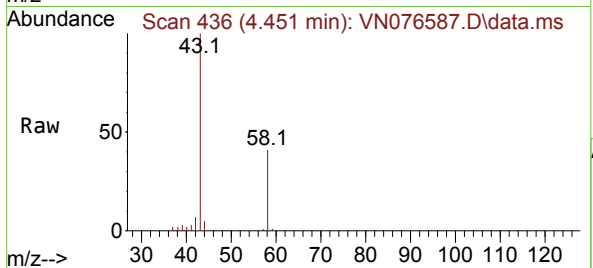
JPP-34-020323

Tgt Ion: 43 Resp: 71032

Ion Ratio Lower Upper

43 100

58 40.6 28.4 42.6



#18

Methyl Acetate

Concen: 0.284 ug/l

RT: 5.040 min Scan# 536

Delta R.T. -0.002 min

Lab File: VN076587.D

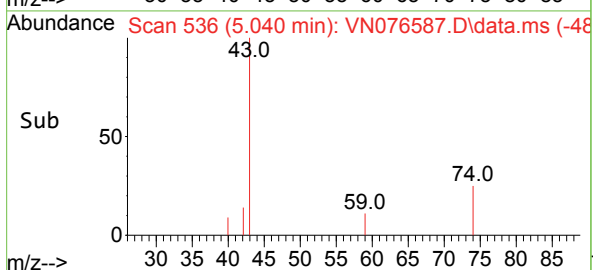
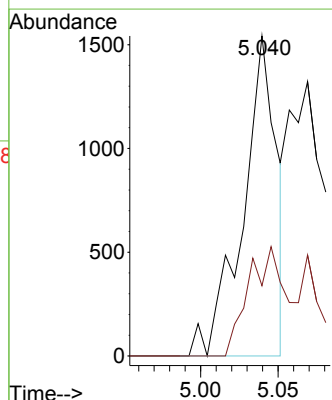
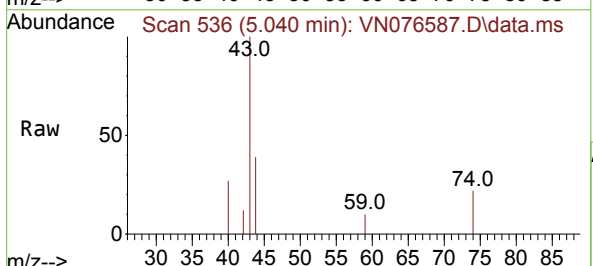
Acq: 08 Feb 2023 18:10

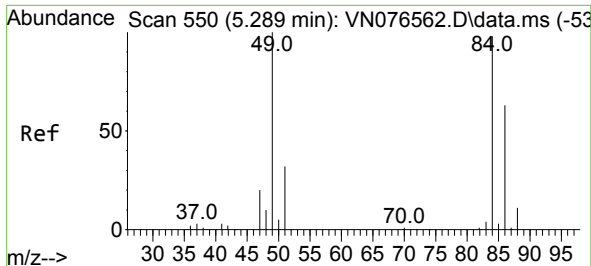
Tgt Ion: 43 Resp: 2324

Ion Ratio Lower Upper

43 100

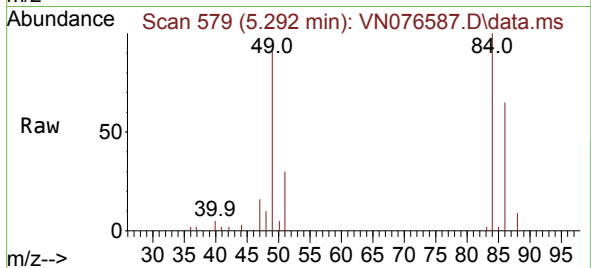
74 39.4 23.9 35.9#





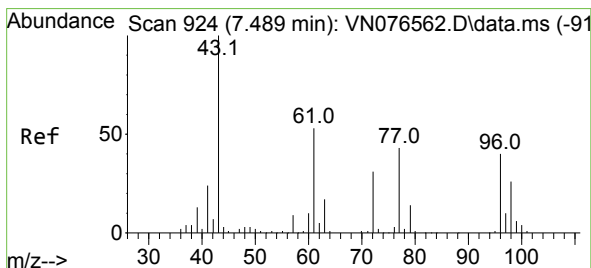
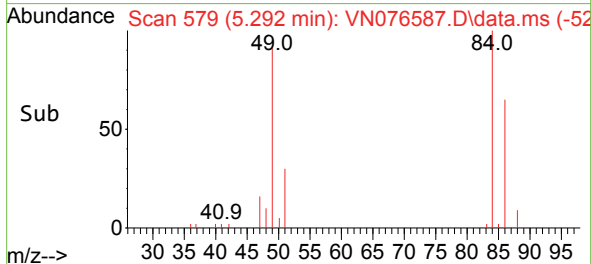
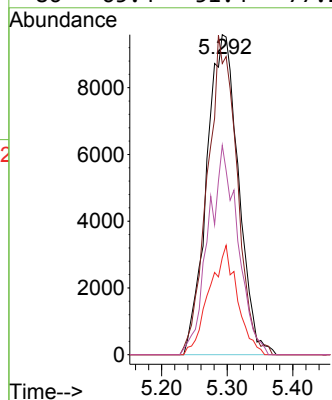
#20
Methylene Chloride
Concen: 4.043 ug/l
RT: 5.292 min Scan# 51
Delta R.T. 0.003 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :
JPP-34-020323



Tgt Ion: 84 Resp: 32241

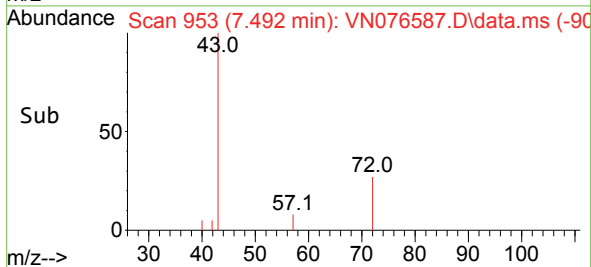
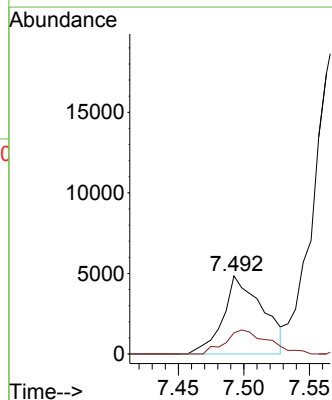
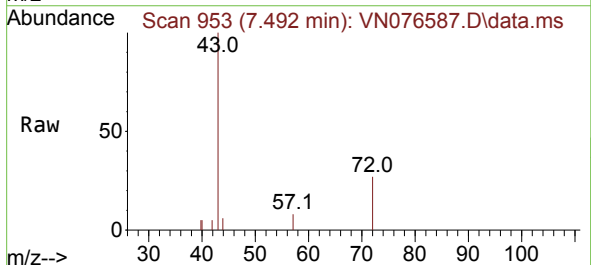
Ion	Ratio	Lower	Upper
84	100		
49	91.0	82.0	123.0
51	30.3	26.0	39.0
86	65.4	51.4	77.2

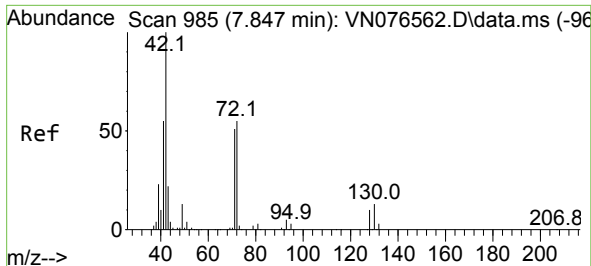


#25
2-Butanone
Concen: 2.721 ug/l
RT: 7.492 min Scan# 953
Delta R.T. 0.003 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

Tgt Ion: 43 Resp: 10115

Ion	Ratio	Lower	Upper
43	100		
72	27.0	25.1	37.7





#29

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 7.857 min Scan# 1015

Delta R.T. 0.010 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

JPP-34-020323

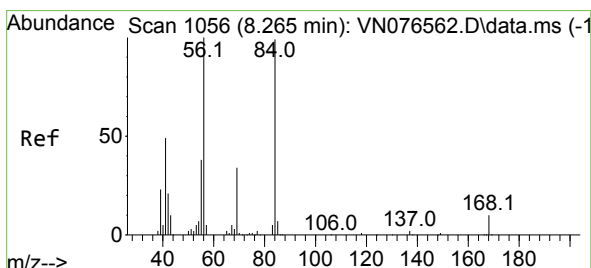
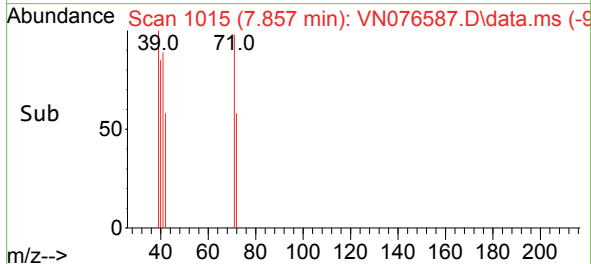
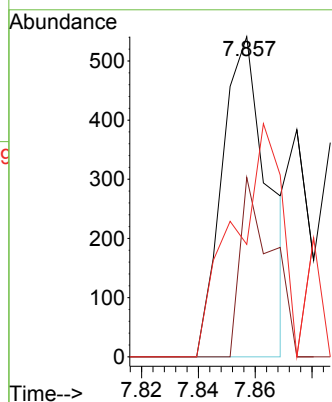
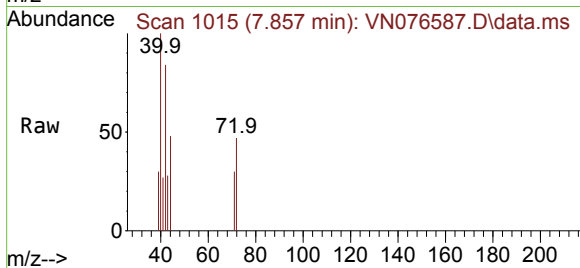
Tgt Ion: 42 Resp: 611

Ion Ratio Lower Upper

42 100

72 38.3 42.9 64.3#

71 85.8 39.9 59.9#



#31

Cyclohexane

Concen: 0.900 ug/l

RT: 8.228 min Scan# 1078

Delta R.T. -0.037 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

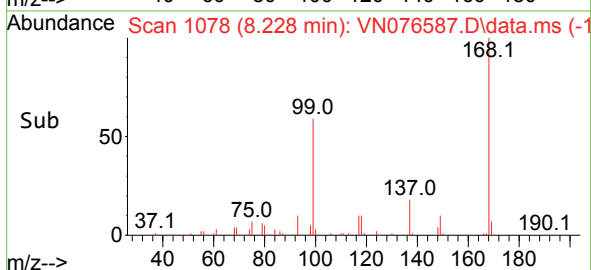
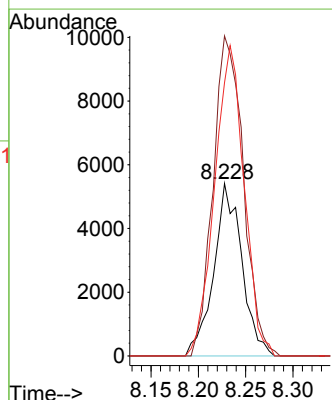
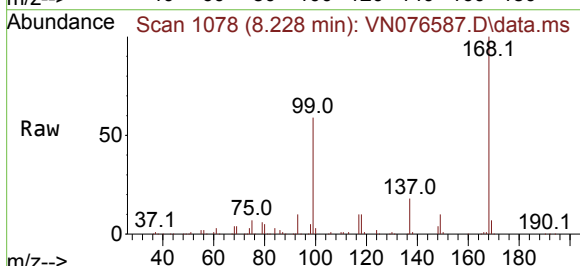
Tgt Ion: 56 Resp: 11159

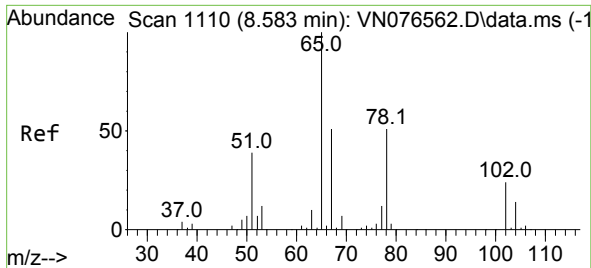
Ion Ratio Lower Upper

56 100

69 185.5 27.0 40.4#

84 158.4 79.5 119.3#





#33

1,2-Dichloroethane-d4

Concen: 46.326 ug/l

RT: 8.586 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

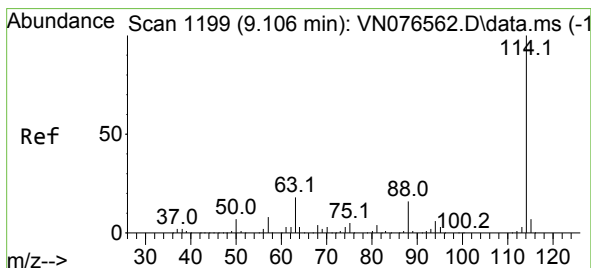
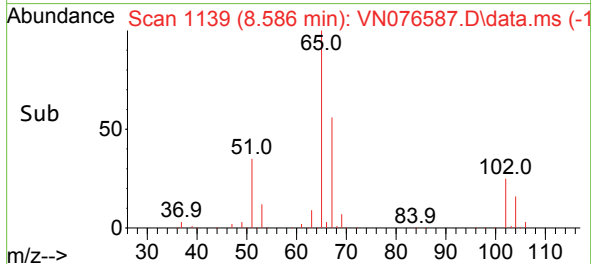
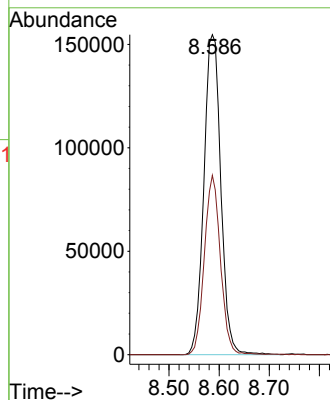
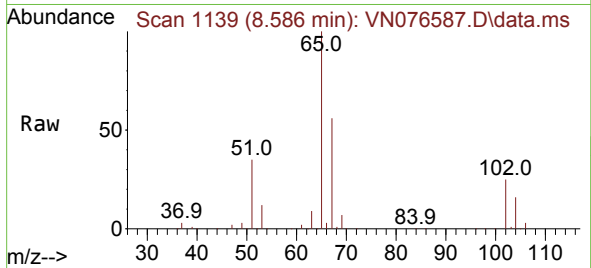
JPP-34-020323

Tgt Ion: 65 Resp: 363446

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.110 min Scan# 1228

Delta R.T. 0.004 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

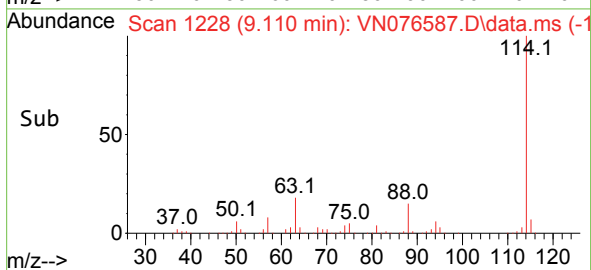
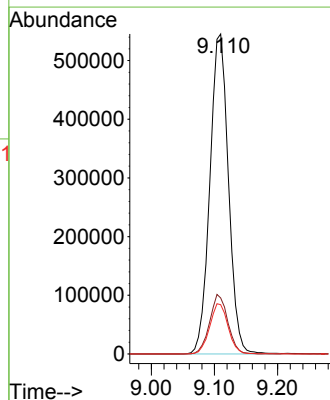
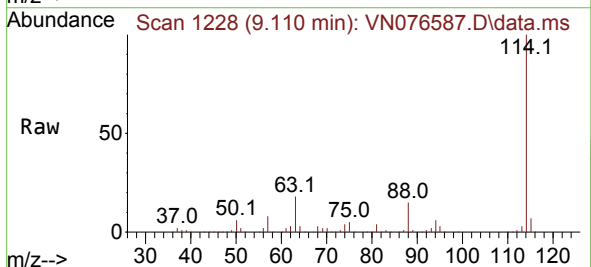
Tgt Ion: 114 Resp: 1114329

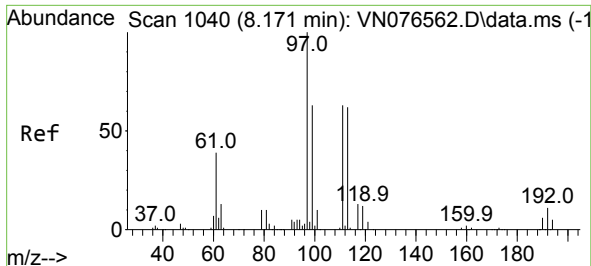
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.4 0.0 32.0

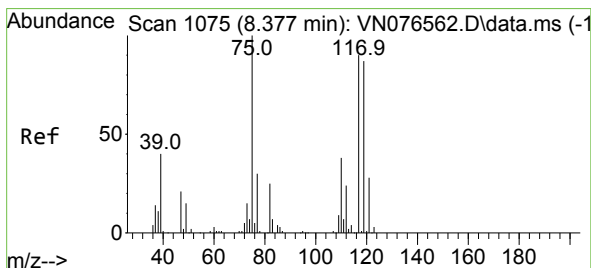
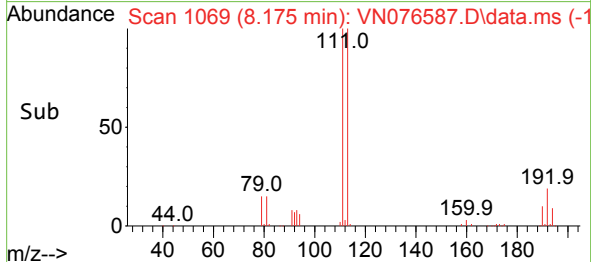
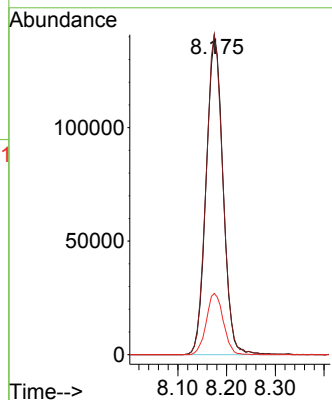
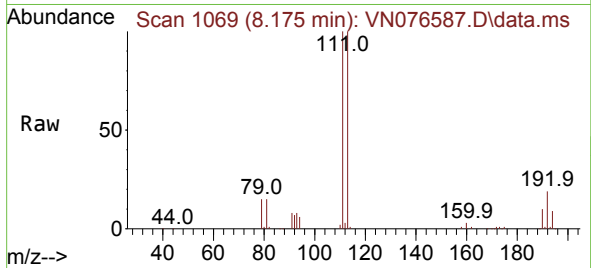




#35
 Dibromofluoromethane
 Concen: 48.564 ug/l
 RT: 8.175 min Scan# 1040
 Delta R.T. 0.004 min
 Lab File: VN076587.D
 Acq: 08 Feb 2023 18:10

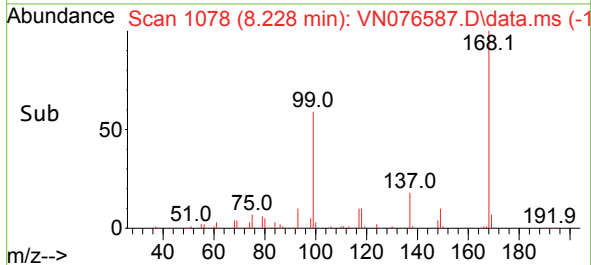
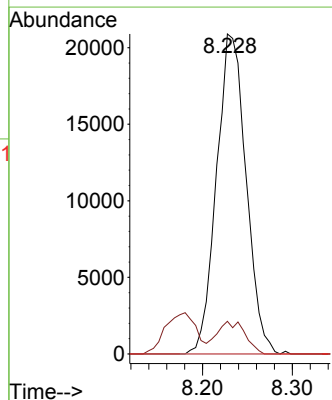
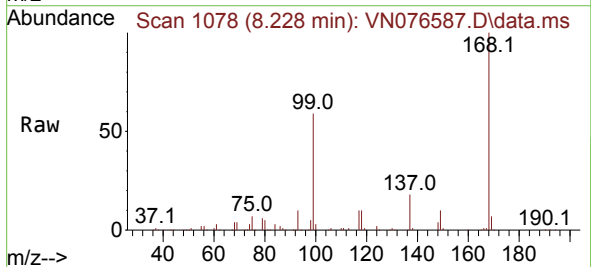
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 JPP-34-020323

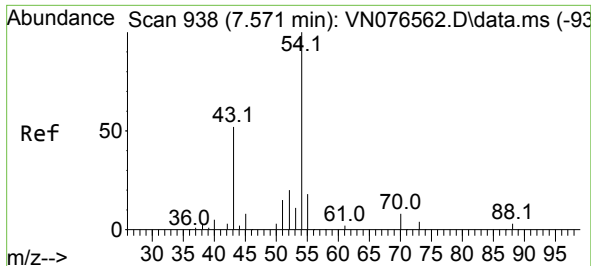
Tgt Ion:113 Resp: 336404
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.0 123.0
 192 19.4 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.832 ug/l
 RT: 8.228 min Scan# 1078
 Delta R.T. -0.149 min
 Lab File: VN076587.D
 Acq: 08 Feb 2023 18:10

Tgt Ion: 75 Resp: 47788
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.6 55.6#
 77 0.0 25.1 37.7#

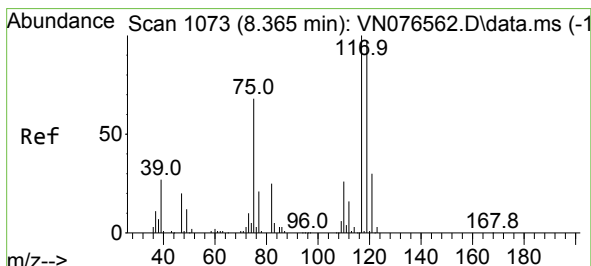
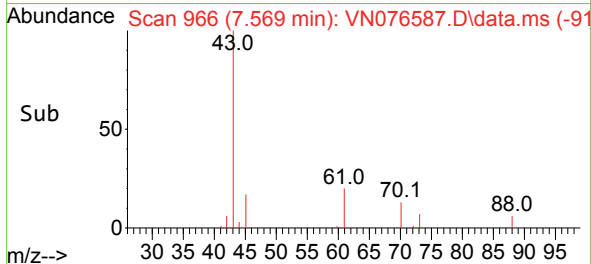
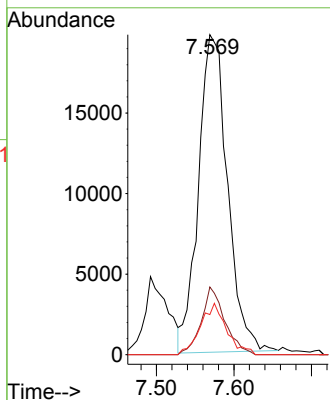
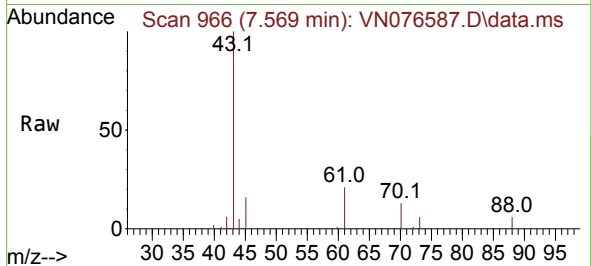




#37
Ethyl Acetate
Concen: 6.924 ug/l
RT: 7.569 min Scan# 91
Delta R.T. -0.002 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

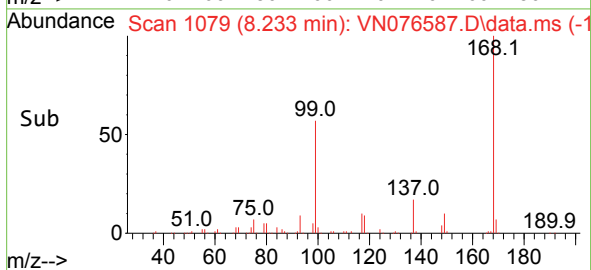
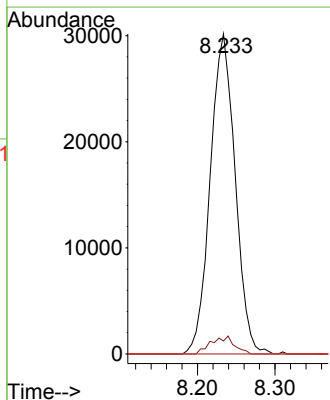
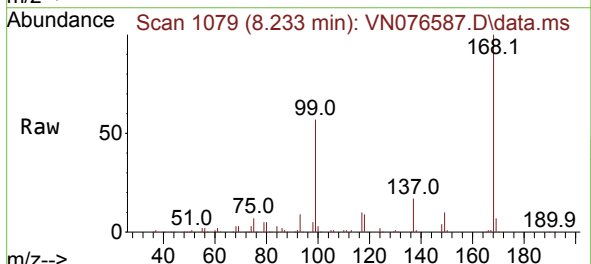
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ClientSampleId :
JPP-34-020323

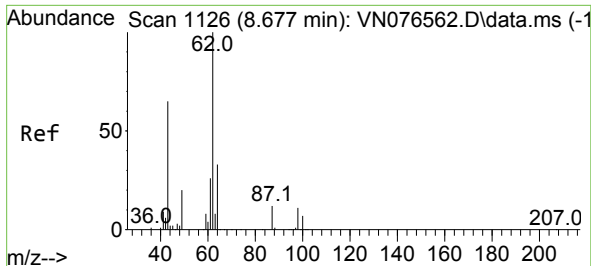
Tgt Ion:	43	Resp:	51304
Ion	Ratio	Lower	Upper
43	100		
61	17.4	11.8	17.6
70	14.5	10.4	15.6



#38
Carbon Tetrachloride
Concen: 6.335 ug/l
RT: 8.233 min Scan# 1079
Delta R.T. -0.132 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

Tgt Ion:	117	Resp:	67364
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.2	115.8#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.230 ug/l

RT: 8.692 min Scan# 1157

Delta R.T. 0.015 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

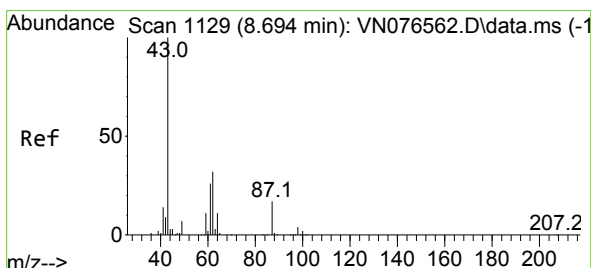
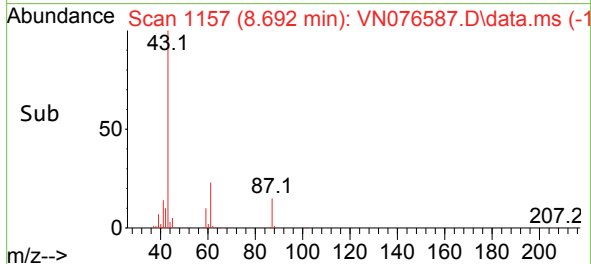
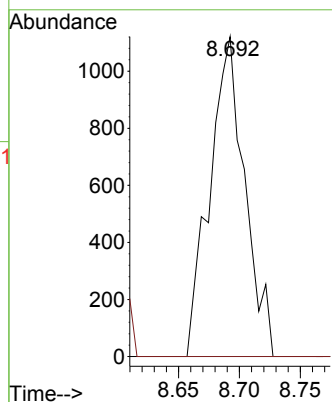
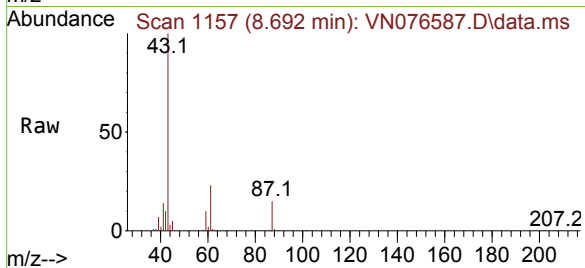
JPP-34-020323

Tgt Ion: 62 Resp: 2246

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6



#43

Isopropyl Acetate

Concen: 24.160 ug/l

RT: 8.698 min Scan# 1158

Delta R.T. 0.004 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

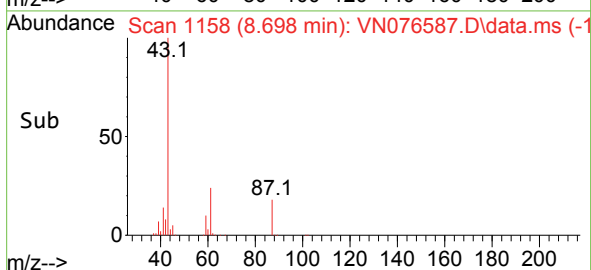
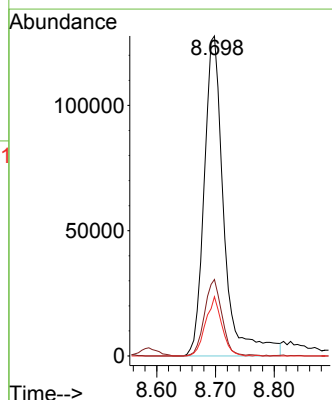
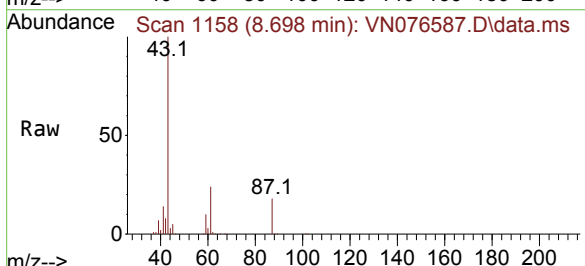
Tgt Ion: 43 Resp: 297884

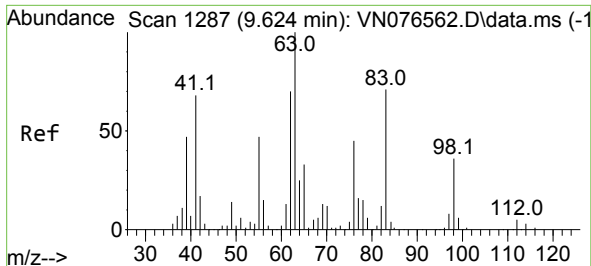
Ion Ratio Lower Upper

43 100

61 21.2 24.5 36.7#

87 15.2 13.6 20.4





#45

1,2-Dichloropropane

Concen: 0.467 ug/l

RT: 9.745 min Scan# 11

Delta R.T. 0.121 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

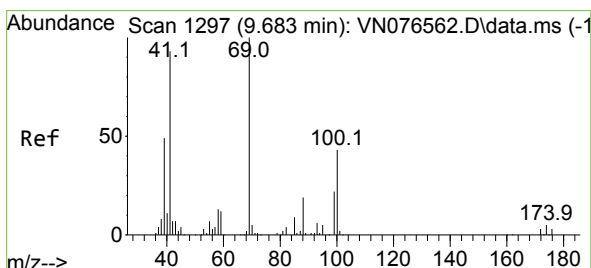
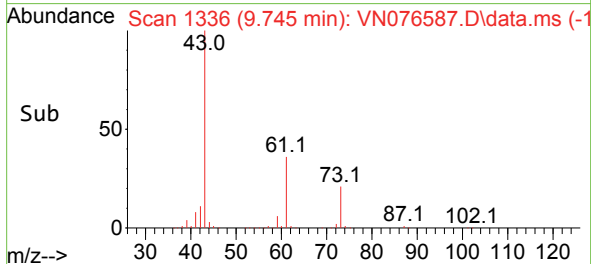
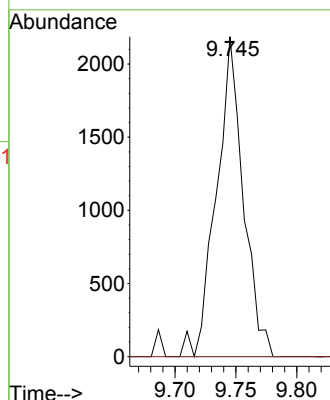
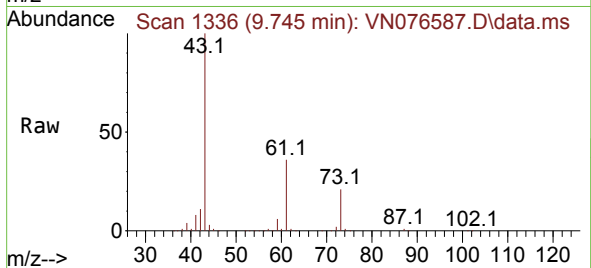
JPP-34-020323

Tgt Ion: 63 Resp: 3362

Ion Ratio Lower Upper

63 100

65 0.0 26.0 39.0#



#48

Methyl methacrylate

Concen: 1.164 ug/l

RT: 9.669 min Scan# 1323

Delta R.T. -0.014 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

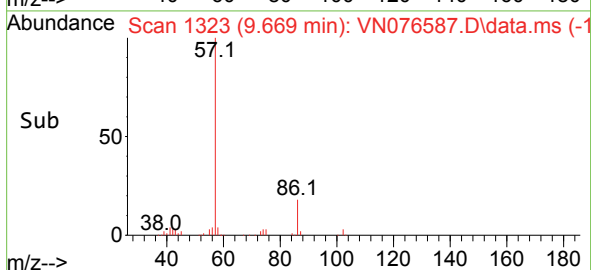
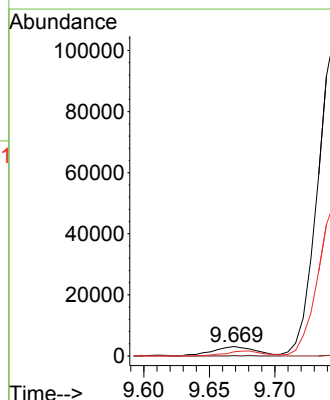
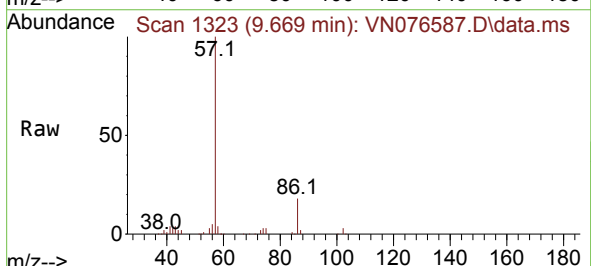
Tgt Ion: 41 Resp: 7058

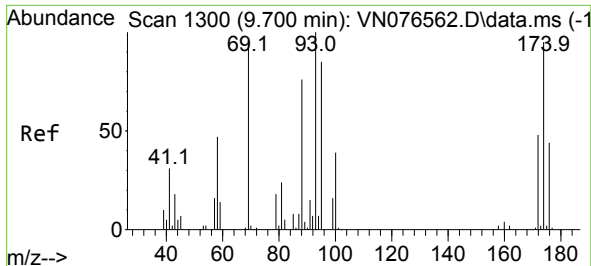
Ion Ratio Lower Upper

41 100

69 0.9 83.0 124.4#

39 45.2 43.8 65.8





#49

1,4-Dioxane

Concen: 5.019 ug/l

RT: 9.745 min Scan# 11

Delta R.T. 0.045 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

JPP-34-020323

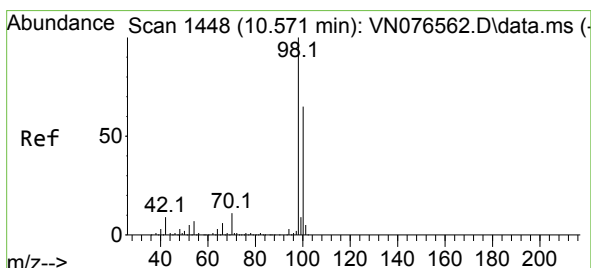
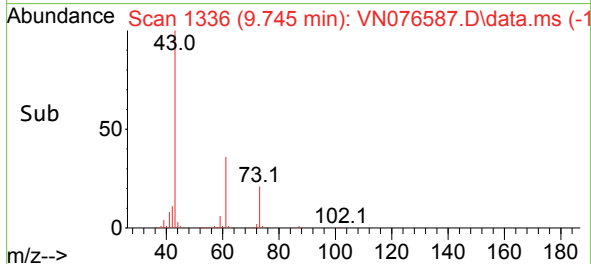
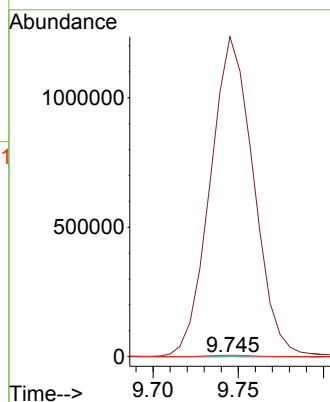
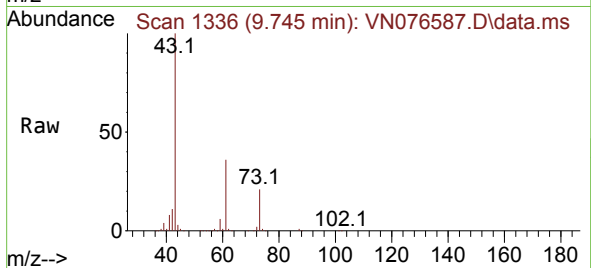
Tgt Ion: 88 Resp: 651

Ion Ratio Lower Upper

88 100

43 337491.4 16.7 25.1#

58 1642.1 51.7 77.5#



#50

Toluene-d8

Concen: 49.931 ug/l

RT: 10.569 min Scan# 1476

Delta R.T. -0.002 min

Lab File: VN076587.D

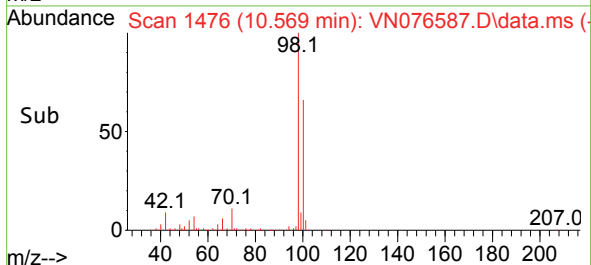
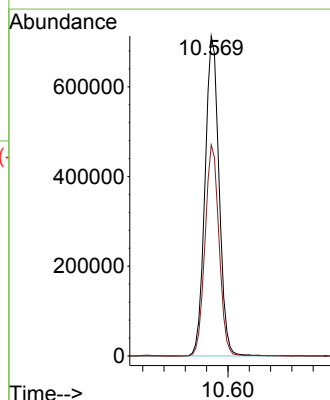
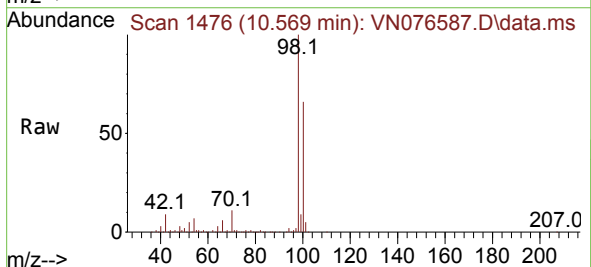
Acq: 08 Feb 2023 18:10

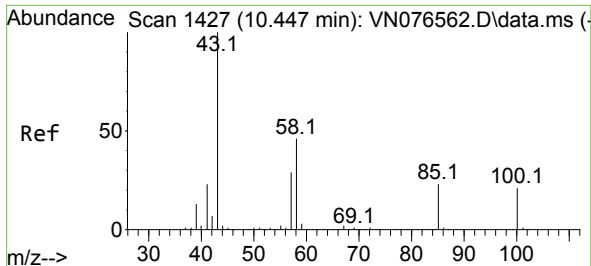
Tgt Ion: 98 Resp: 1301181

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 2.901 ug/l

RT: 10.451 min Scan# 1427

Delta R.T. 0.004 min

Lab File: VN076587.D

Acq: 08 Feb 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

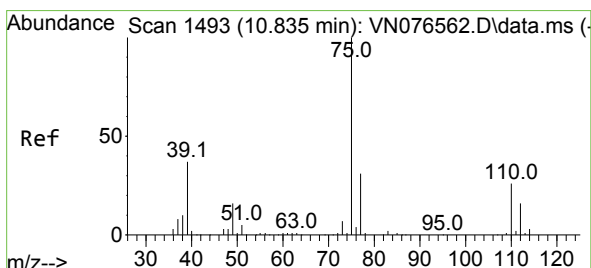
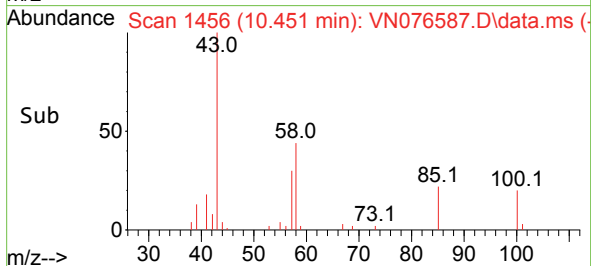
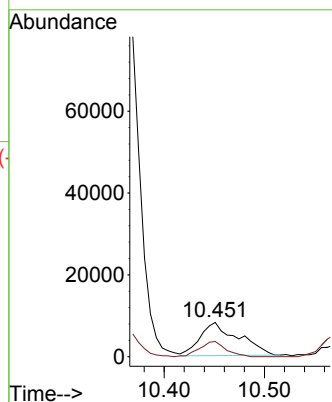
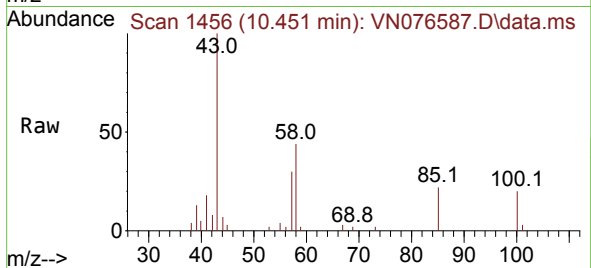
JPP-34-020323

Tgt Ion: 43 Resp: 21499

Ion Ratio Lower Upper

43 100

58 31.5 36.4 54.6#



#53

t-1,3-Dichloropropene

Concen: 0.218 ug/l

RT: 10.727 min Scan# 1503

Delta R.T. -0.108 min

Lab File: VN076587.D

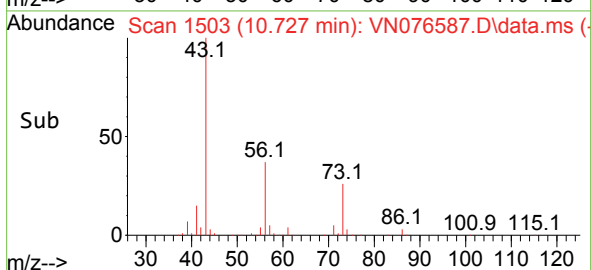
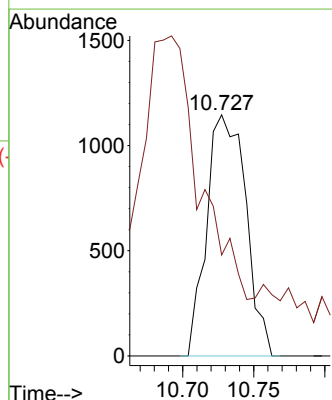
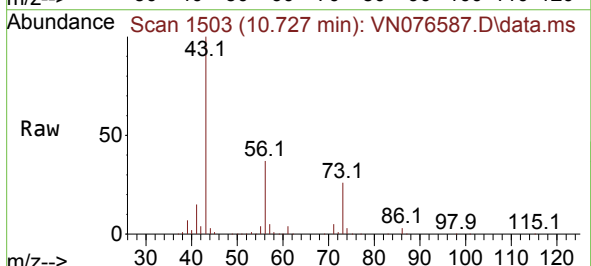
Acq: 08 Feb 2023 18:10

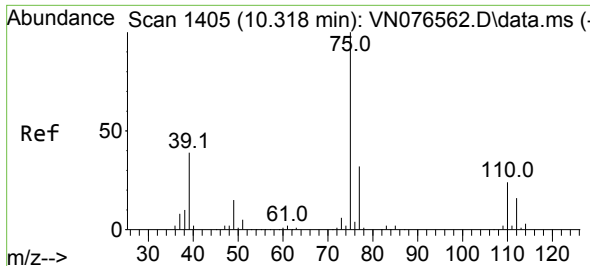
Tgt Ion: 75 Resp: 2197

Ion Ratio Lower Upper

75 100

77 19.0 24.5 36.7#

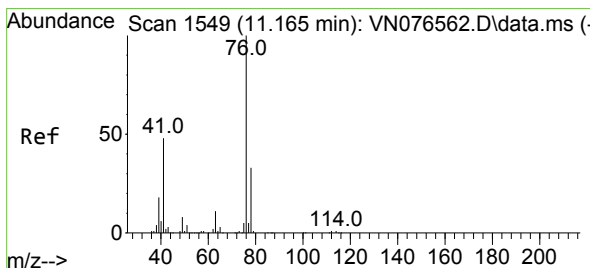
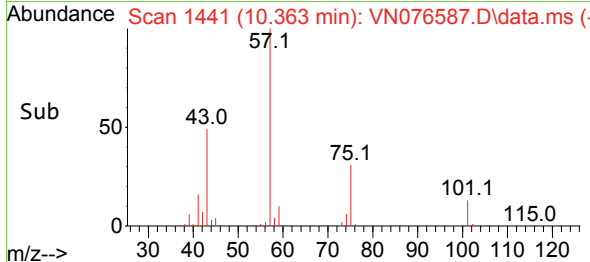
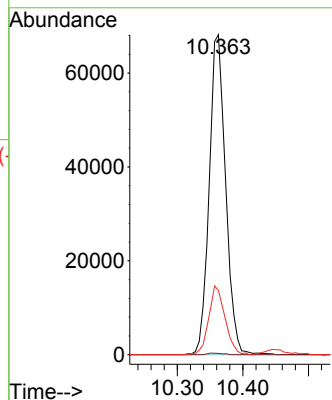
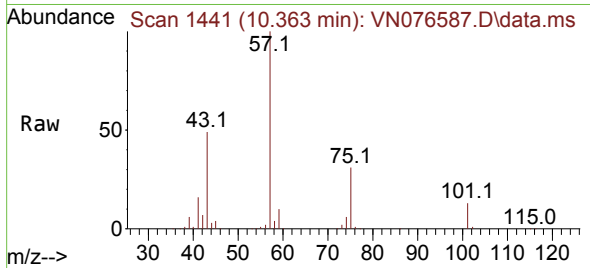




#54
 cis-1,3-Dichloropropene
 Concen: 10.324 ug/l
 RT: 10.363 min Scan# 1405
 Delta R.T. 0.045 min
 Lab File: VN076587.D
 Acq: 08 Feb 2023 18:10

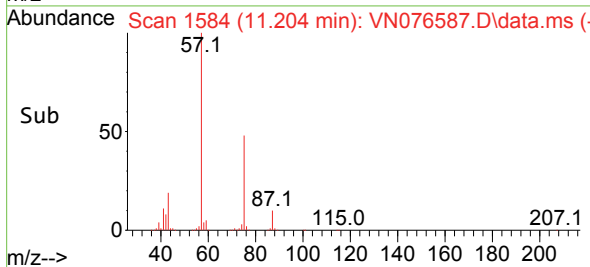
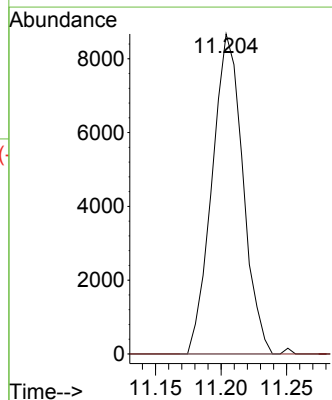
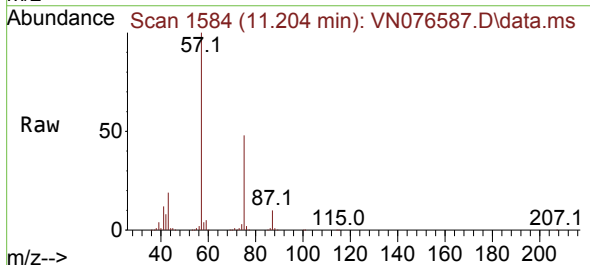
Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-34-020323

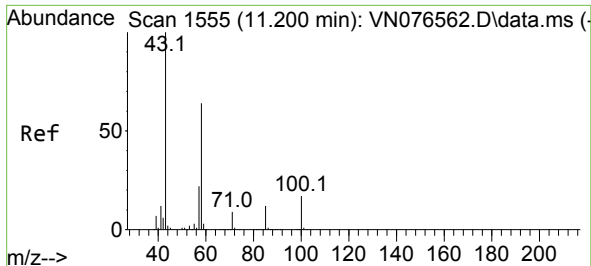
Tgt Ion: 75 Resp: 118823
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 20.1 31.1 46.7#



#57
 1,3-Dichloropropane
 Concen: 1.155 ug/l
 RT: 11.204 min Scan# 1584
 Delta R.T. 0.039 min
 Lab File: VN076587.D
 Acq: 08 Feb 2023 18:10

Tgt Ion: 76 Resp: 14172
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

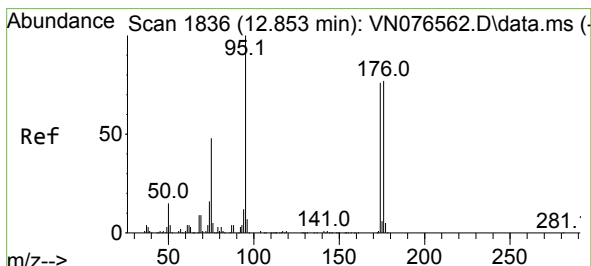
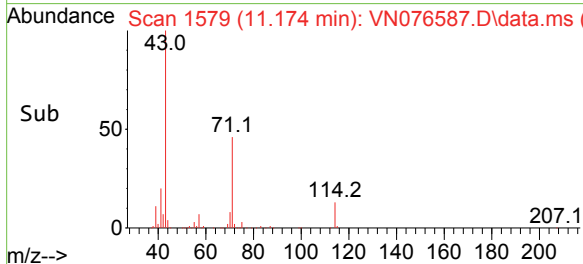
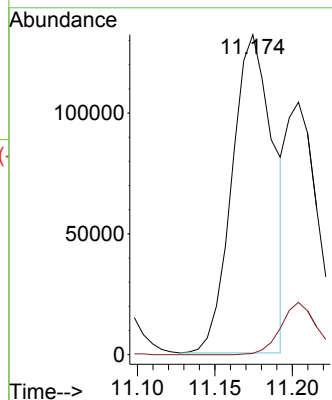
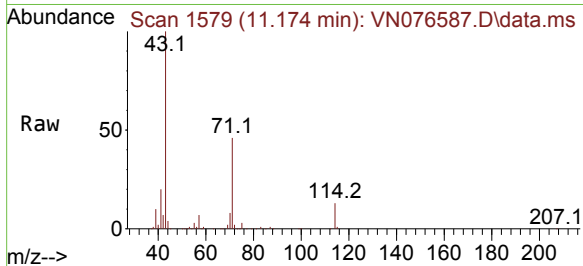




#59
2-Hexanone
Concen: 46.284 ug/l
RT: 11.174 min Scan# 1117
Delta R.T. -0.026 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

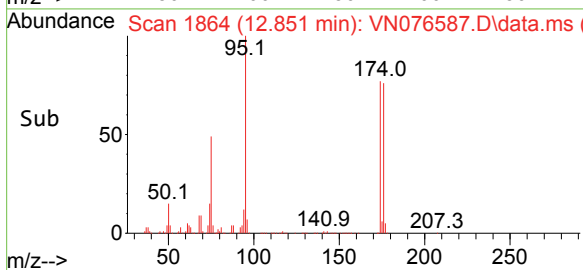
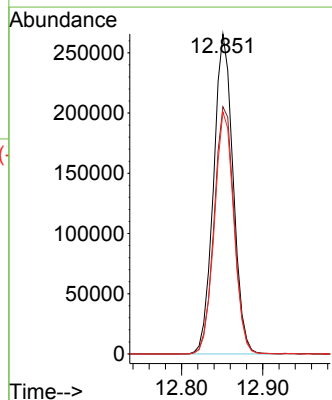
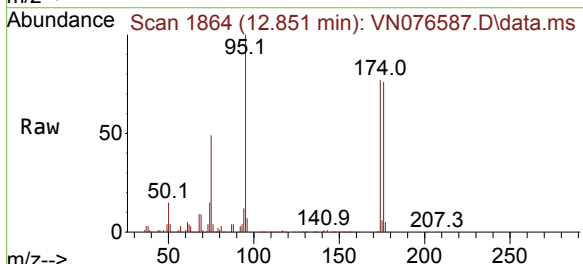
Instrument :
MSVOA_N
ClientSampleId :
JPP-34-020323

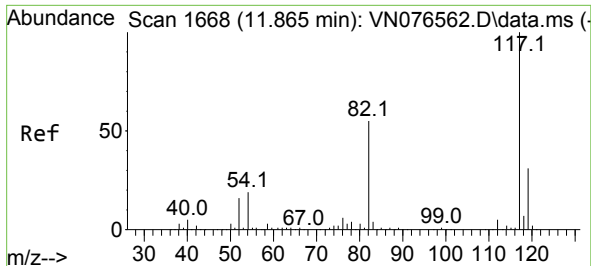
Tgt Ion: 43 Resp: 244516
Ion Ratio Lower Upper
43 100
58 0.0 31.8 95.4#



#62
4-Bromofluorobenzene
Concen: 48.450 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

Tgt Ion: 95 Resp: 444802
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.0
176 75.2 0.0 152.0

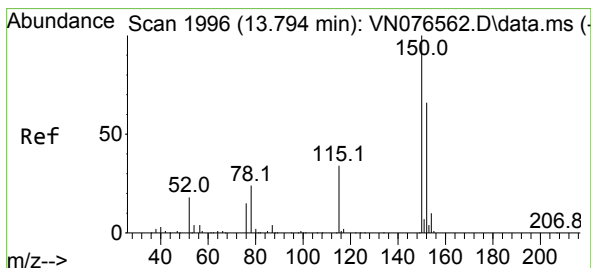
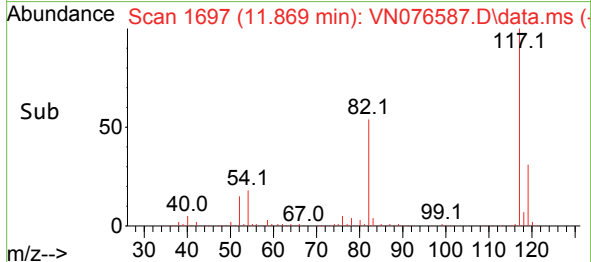
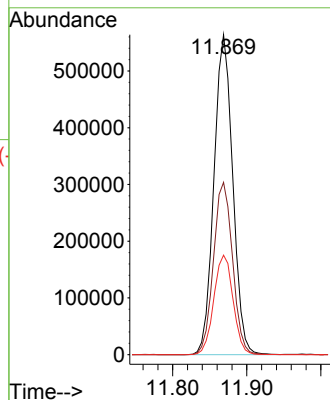
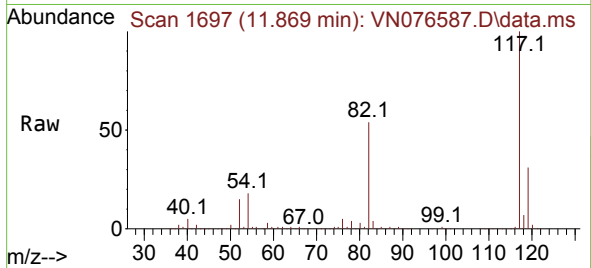




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.869 min Scan# 11
Delta R.T. 0.004 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

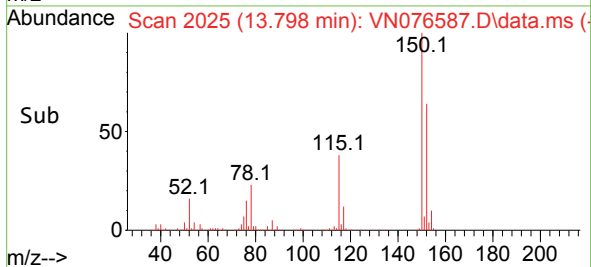
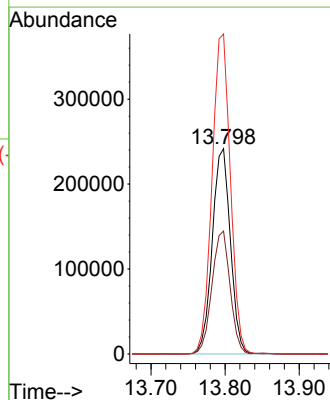
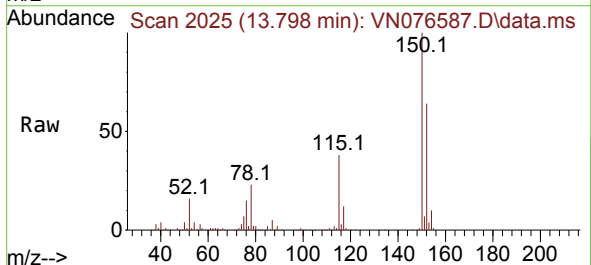
Instrument :
MSVOA_N
ClientSampleId :
JPP-34-020323

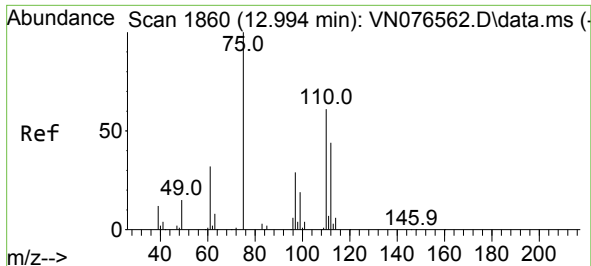
Tgt Ion:117 Resp: 993690
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.4
119 31.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.798 min Scan# 2025
Delta R.T. 0.004 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

Tgt Ion:152 Resp: 410802
Ion Ratio Lower Upper
152 100
115 60.0 30.8 92.3
150 157.7 0.0 348.8

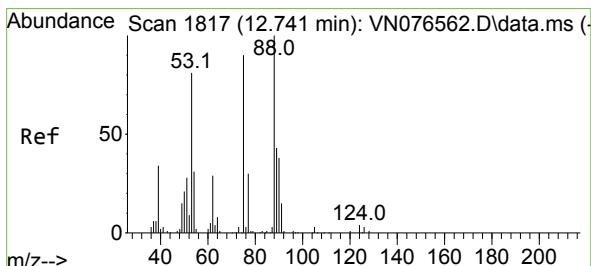
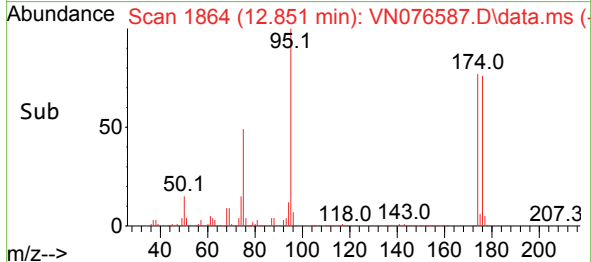
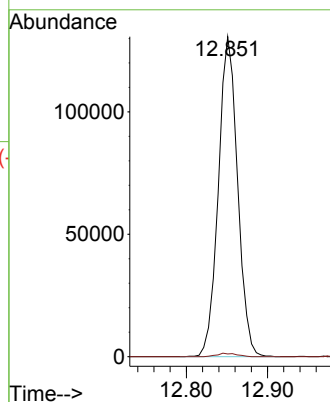
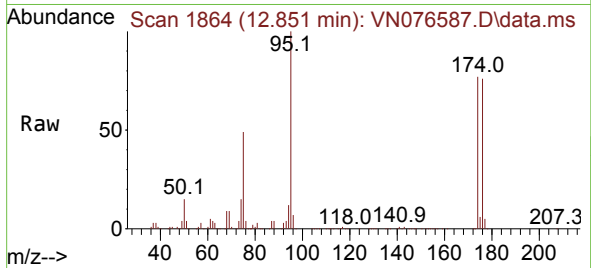




#76
1,2,3-Trichloropropane
Concen: 28.106 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.143 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :
JPP-34-020323

Tgt Ion: 75 Resp: 215423
Ion Ratio Lower Upper
75 100
77 1.1 87.5 262.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.305 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. 0.110 min
Lab File: VN076587.D
Acq: 08 Feb 2023 18:10

Tgt Ion: 75 Resp: 215423
Ion Ratio Lower Upper
75 100
53 0.0 77.1 115.7#
89 0.0 41.5 62.3#

