

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077726.D
 Acq On : 17 May 2023 20:06
 Operator : JC\MD
 Sample : 02831-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: May 18 01:41:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	366910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	652472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	585012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234625	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	251512	45.813	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.620%
35) Dibromofluoromethane	8.171	113	205849	48.382	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.760%
50) Toluene-d8	10.571	98	805600	49.192	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	12.853	95	264618	45.751	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.500%

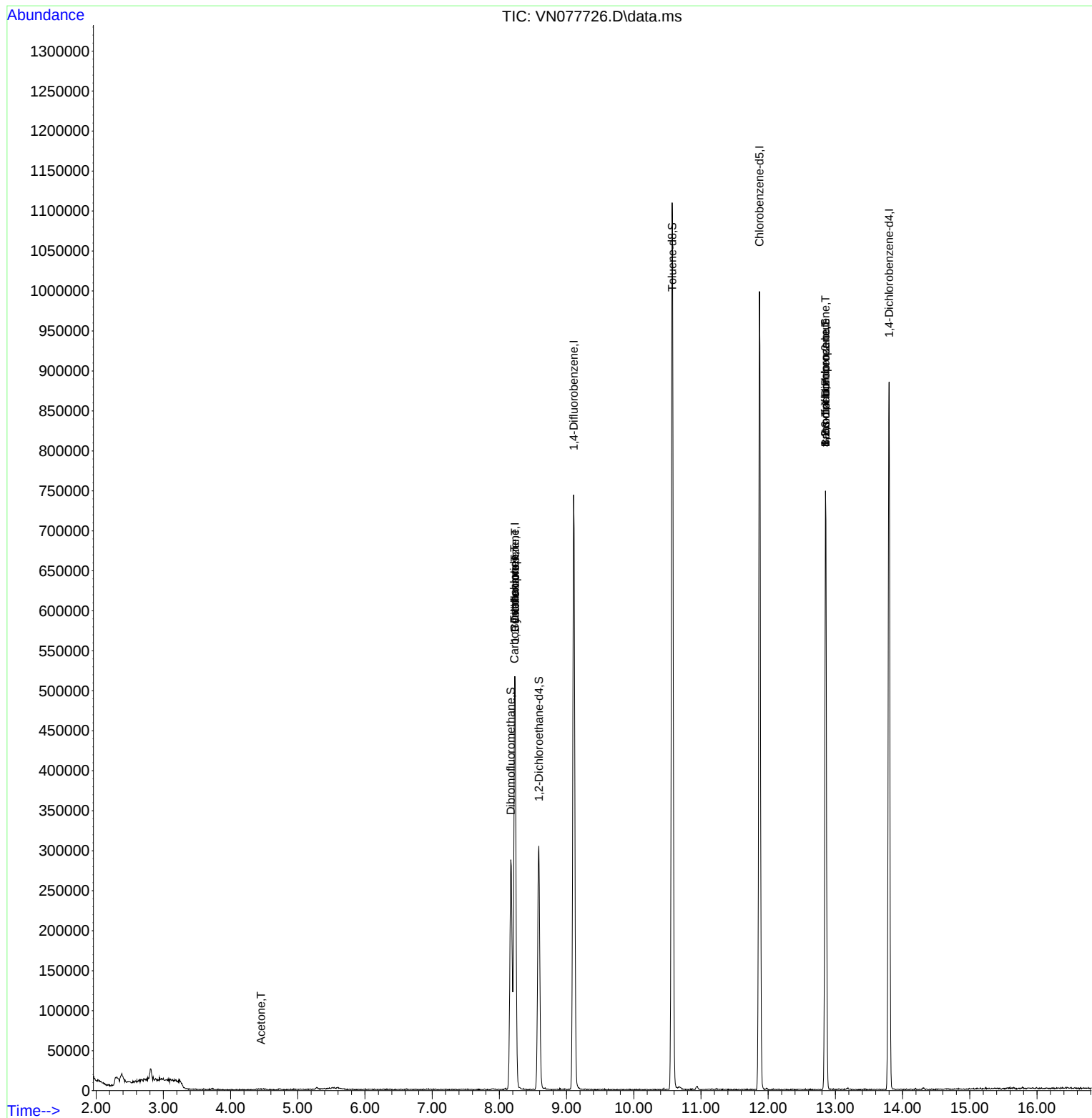
Target Compounds					Qvalue
3) Chloromethane	2.365	50	1637	Below Cal	# 78
13) Acrolein	4.224	56	60	Below Cal	# 38
16) Acetone	4.453	43	627	0.363 ug/l	# 40
20) Methylene Chloride	5.283	84	1168	Below Cal	# 67
31) Cyclohexane	8.230	56	8770	1.175 ug/l	# 53
36) 1,1-Dichloropropene	8.235	75	31925	5.130 ug/l	# 49
38) Carbon Tetrachloride	8.224	117	40460	6.438 ug/l	# 16
71) Bromoform	12.853	173	1540	0.528 ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	143013	24.339 ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	143013	77.800 ug/l	# 15

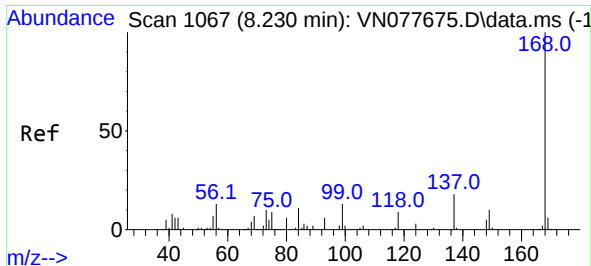
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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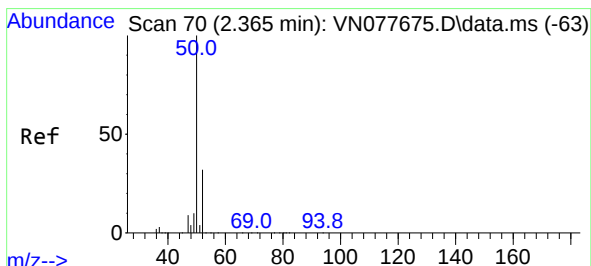
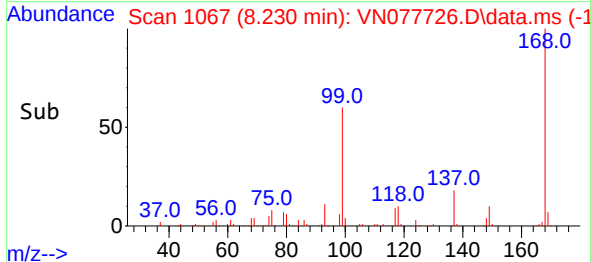
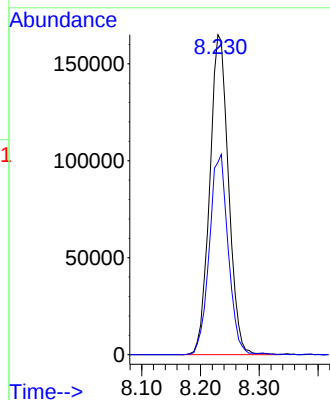
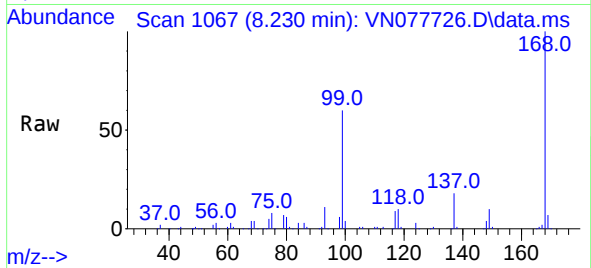




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

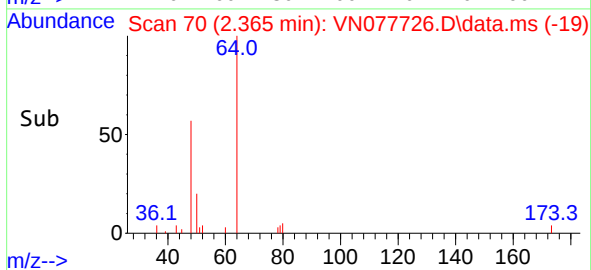
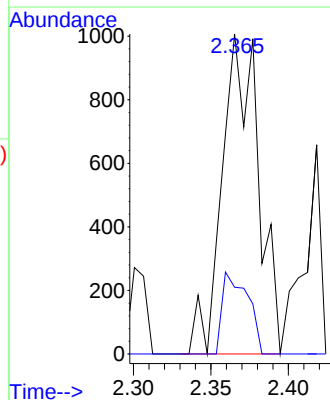
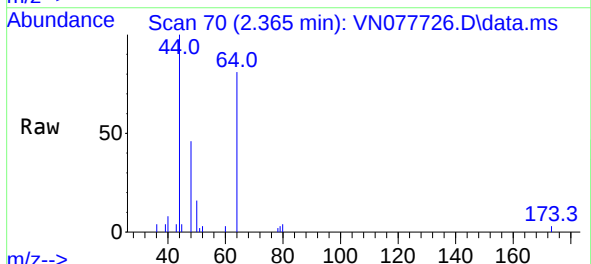
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MSVOA_N
ClientSampleId :
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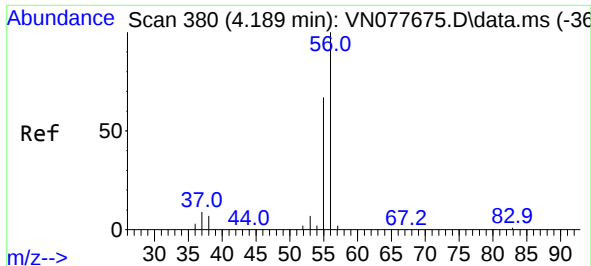
Tgt Ion:168 Resp: 366910
Ion Ratio Lower Upper
168 100
99 60.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Tgt Ion: 50 Resp: 1637
Ion Ratio Lower Upper
50 100
52 20.9 26.5 39.7#

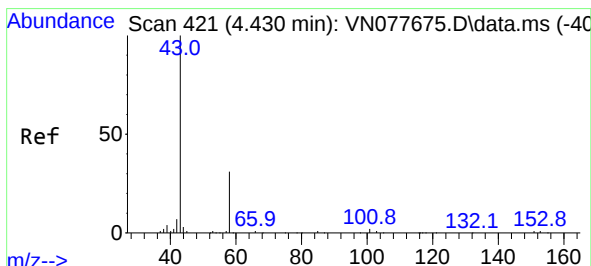
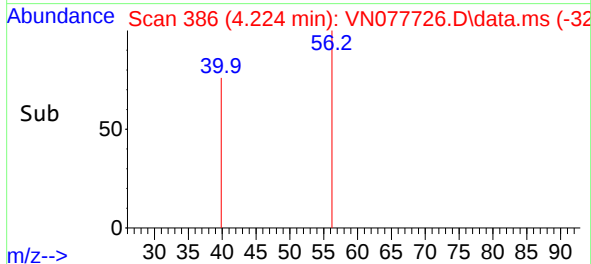
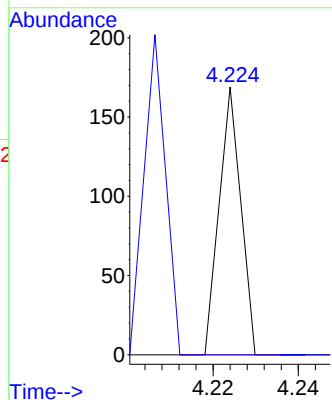
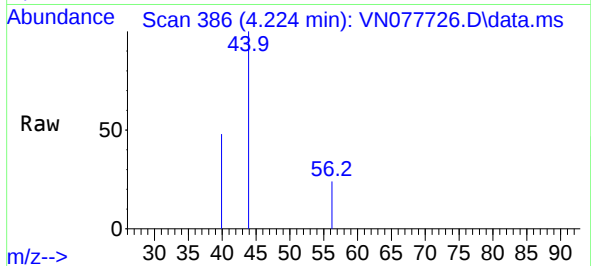




#13
Acrolein
Concen: Below Cal
RT: 4.224 min Scan# 386
Delta R.T. 0.035 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

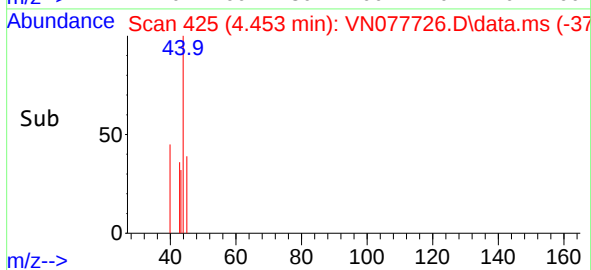
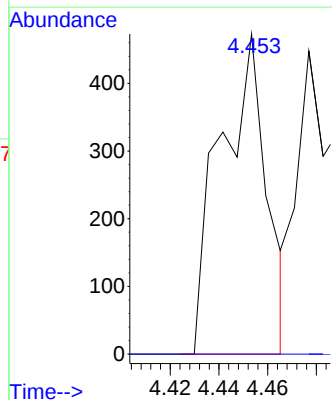
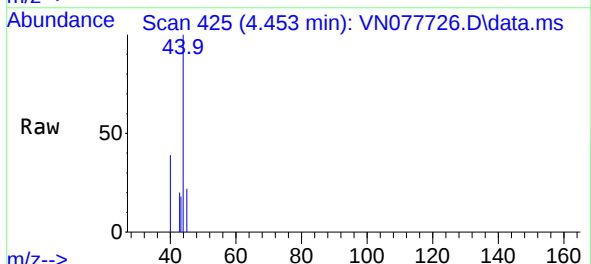
Instrument :
MSVOA_N
ClientSampleId :
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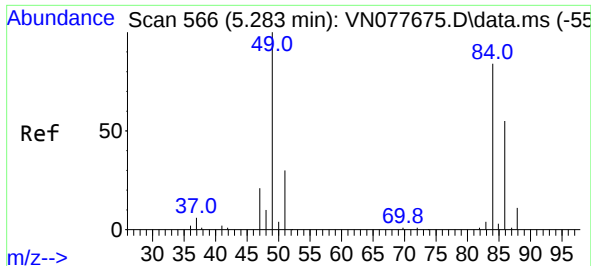
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 118.3 54.5 81.7#



#16
Acetone
Concen: 0.363 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



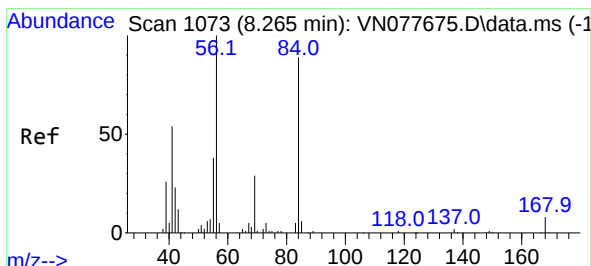
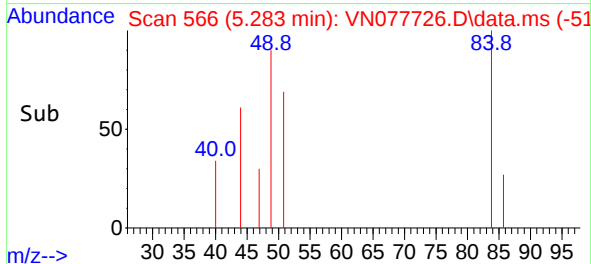
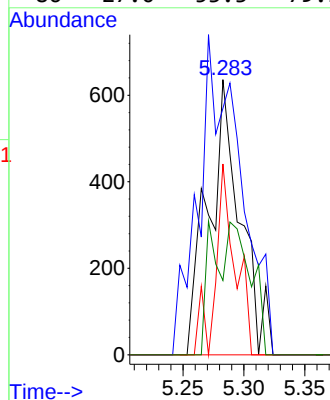
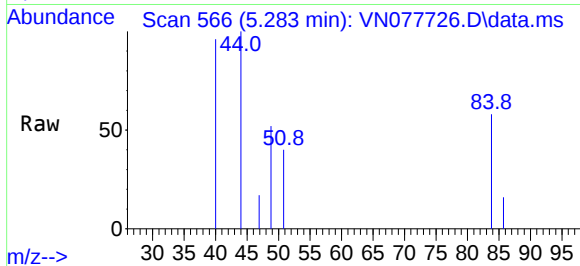


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion: 84 Resp: 1168

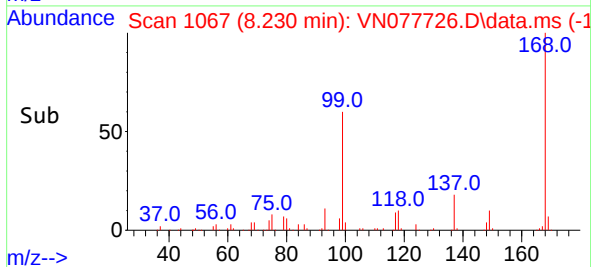
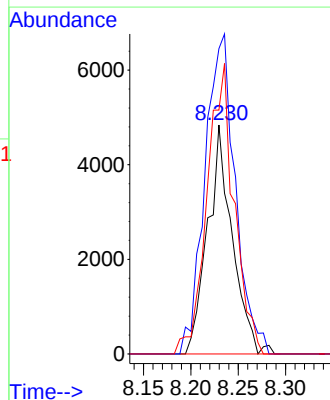
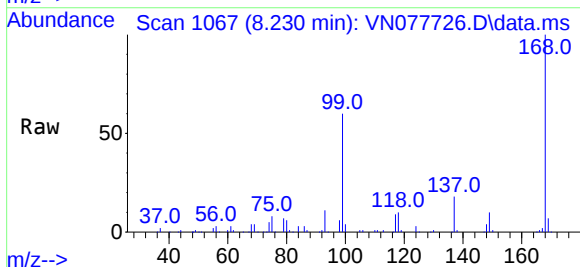
Ion	Ratio	Lower	Upper
84	100		
49	89.6	79.7	119.5
51	69.3	25.2	37.8#
86	27.0	53.3	79.9#

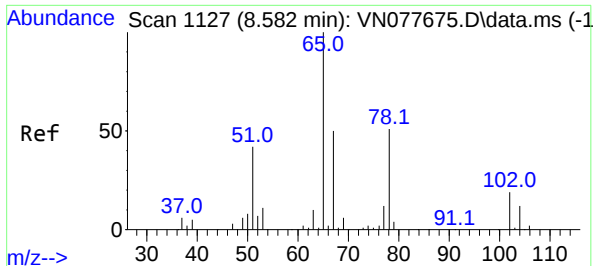


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Tgt Ion: 56 Resp: 8770

Ion	Ratio	Lower	Upper
56	100		
69	133.3	26.8	40.2#
84	106.5	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 45.813 ug/l

RT: 8.588 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077726.D

Acq: 17 May 2023 20:06

Instrument :

MSVOA_N

ClientSampleId :

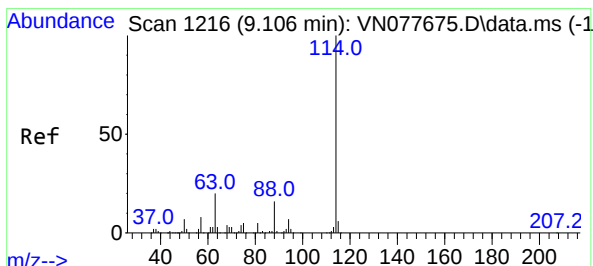
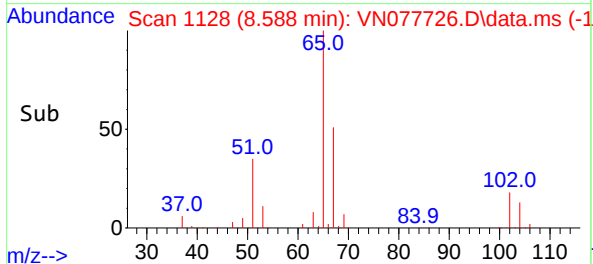
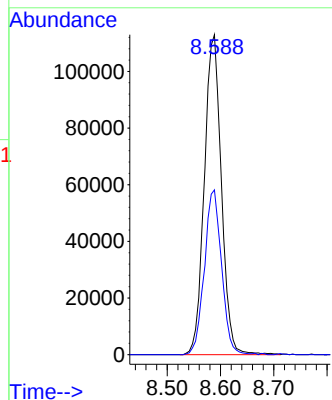
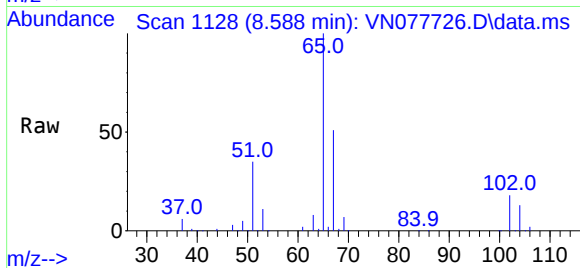
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Tgt Ion: 65 Resp: 251512

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077726.D

Acq: 17 May 2023 20:06

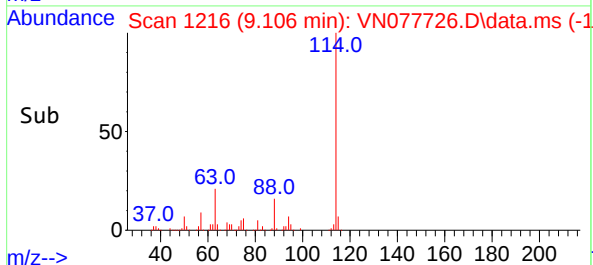
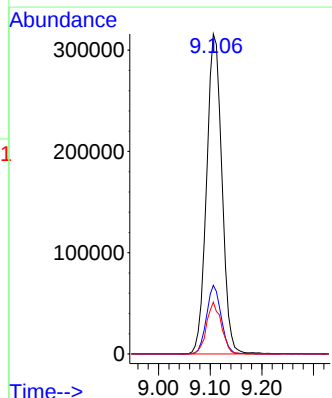
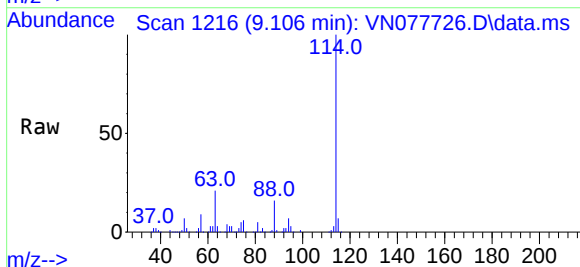
Tgt Ion: 114 Resp: 652472

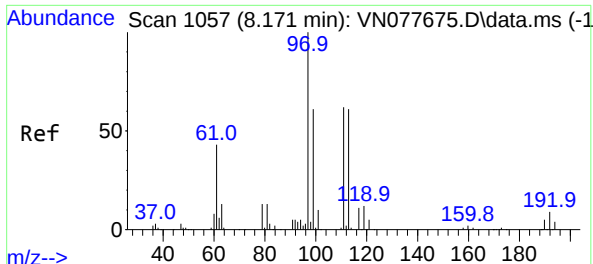
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 16.2 0.0 30.6

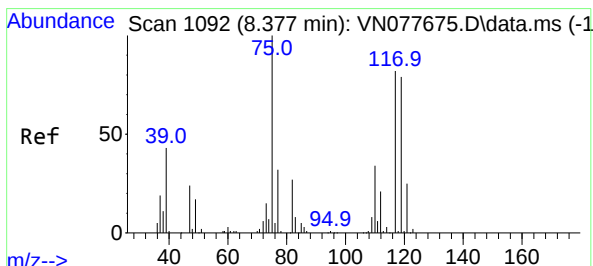
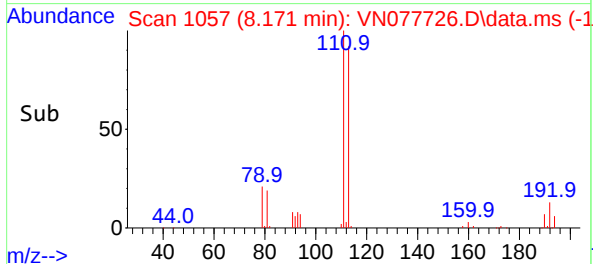
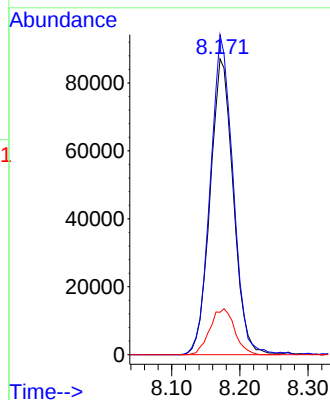
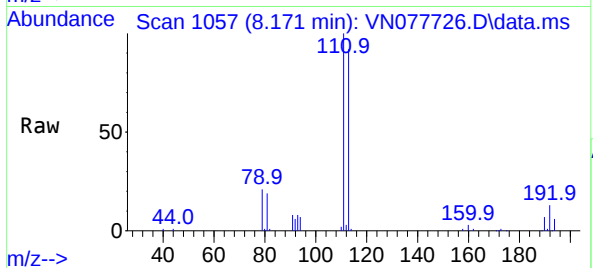




#35
Dibromofluoromethane
Concen: 48.382 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

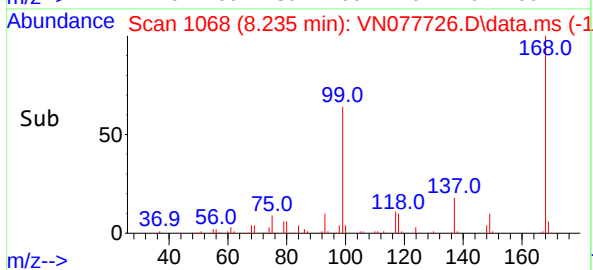
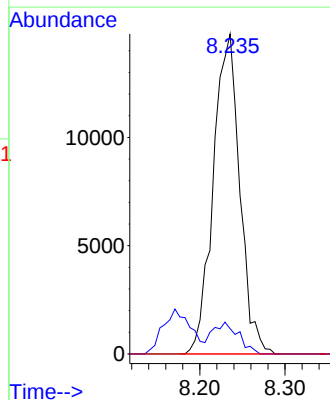
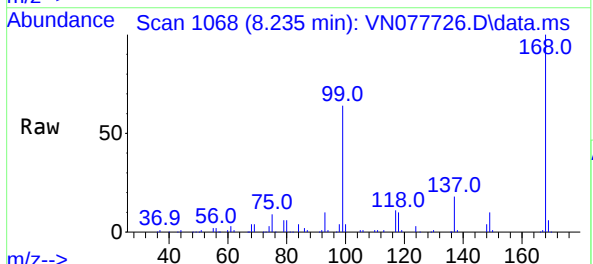
Instrument :
MSVOA_N
ClientSampleId :
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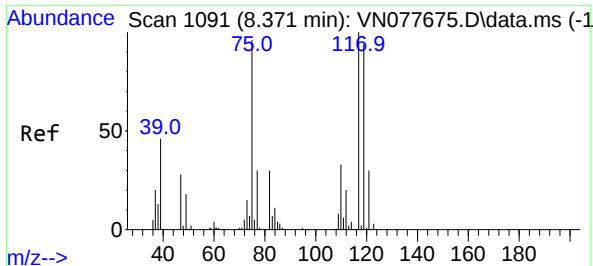
Tgt Ion:113 Resp: 205849
Ion Ratio Lower Upper
113 100
111 106.1 82.6 123.8
192 16.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

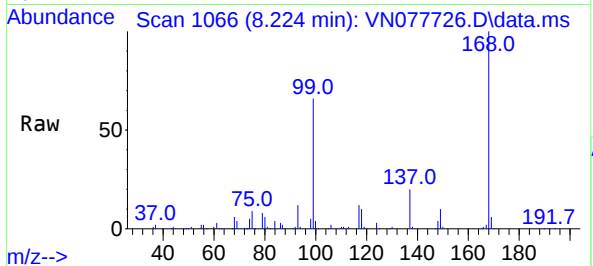
Tgt Ion: 75 Resp: 31925
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



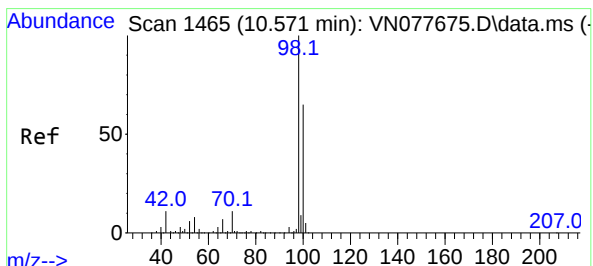
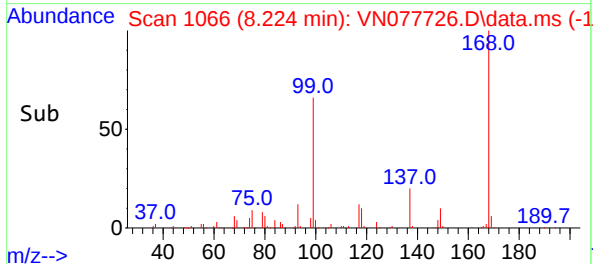
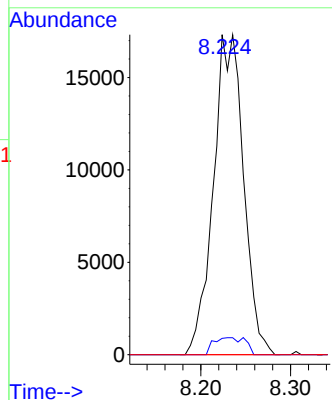


#38
Carbon Tetrachloride
Concen: 6.438 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Instrument :
MSVOA_N
ClientSampleId :
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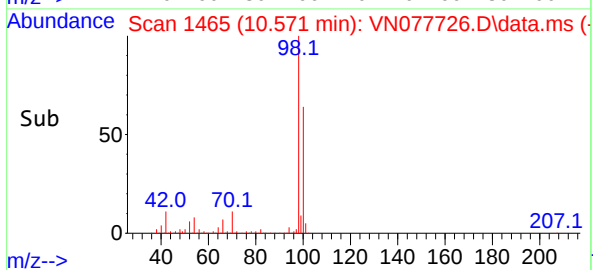
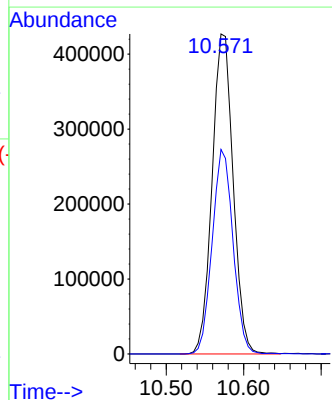
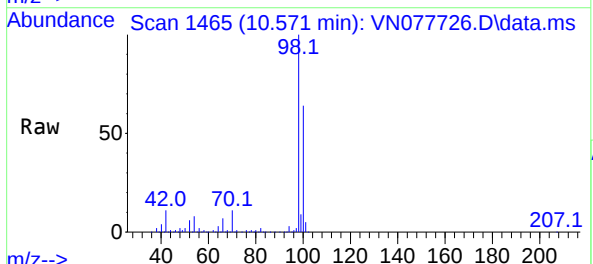


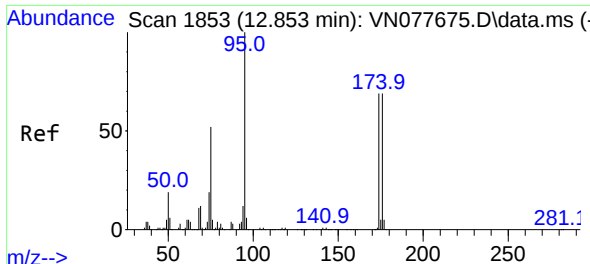
Tgt Ion:117 Resp: 40460
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.192 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Tgt Ion: 98 Resp: 805600
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0

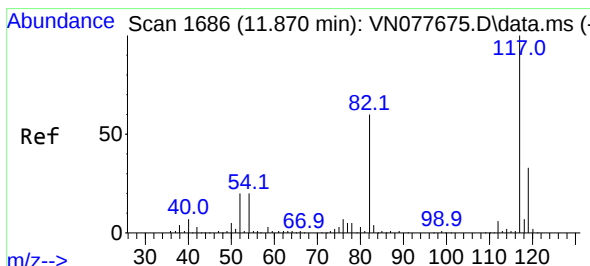
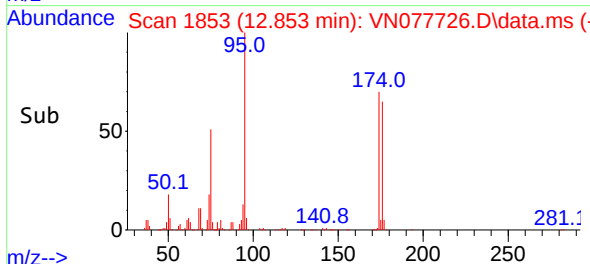
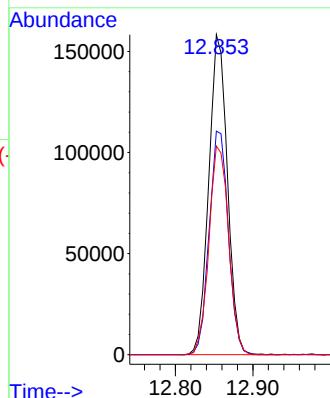
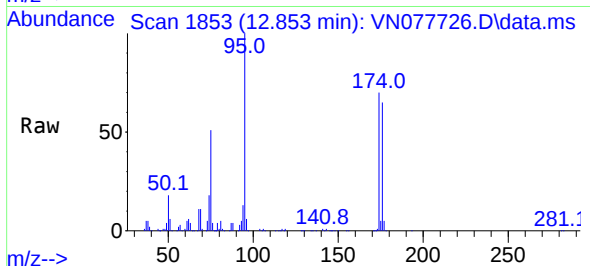




#62
4-Bromofluorobenzene
Concen: 45.751 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

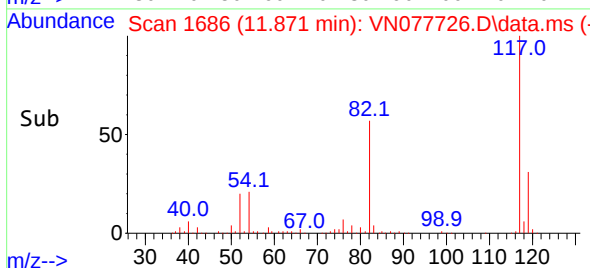
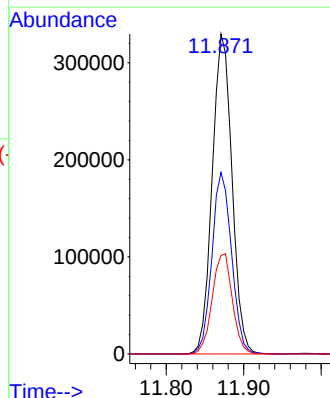
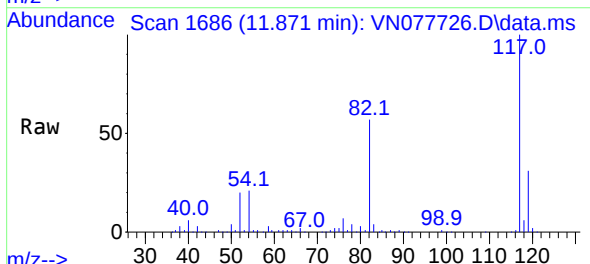
Instrument :
MSVOA_N
ClientSampleId :
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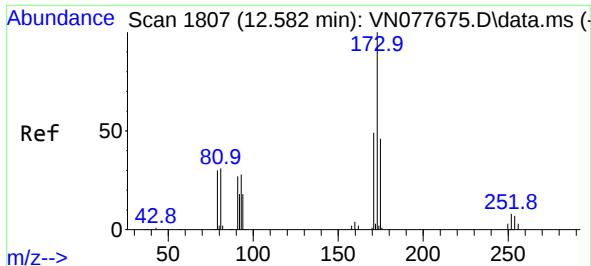
Tgt Ion: 95 Resp: 264618
Ion Ratio Lower Upper
95 100
174 71.6 0.0 143.8
176 68.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Tgt Ion: 117 Resp: 585012
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 30.8 25.6 38.4

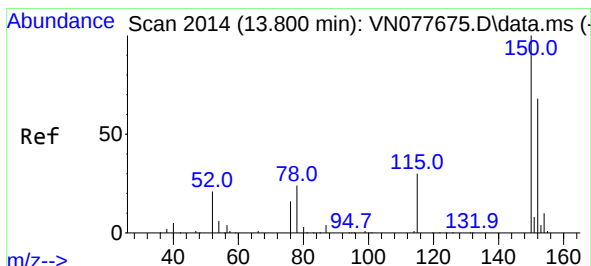
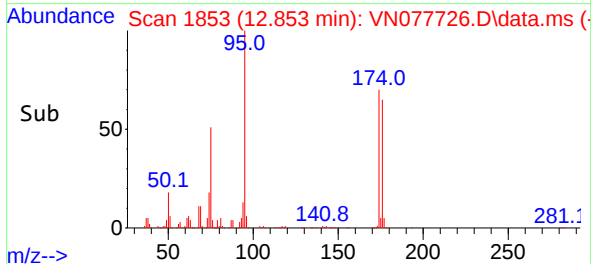
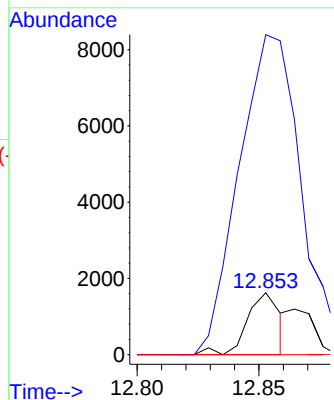
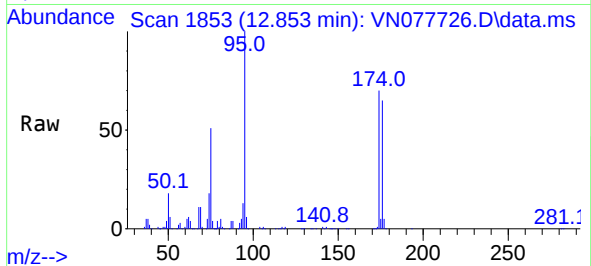




#71
Bromoform
Concen: 0.528 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

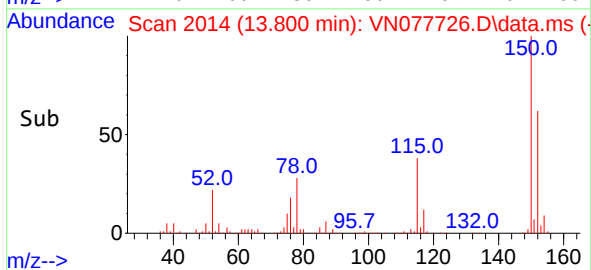
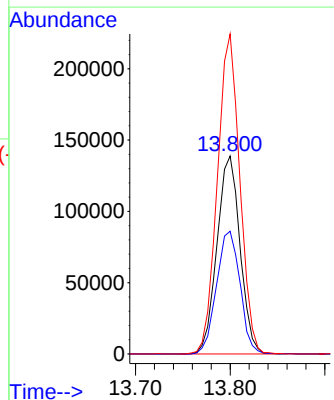
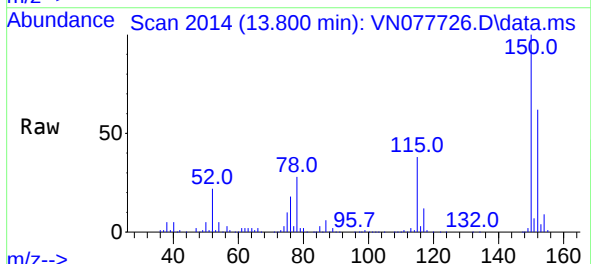
Instrument :
MSVOA_N
ClientSampleId :
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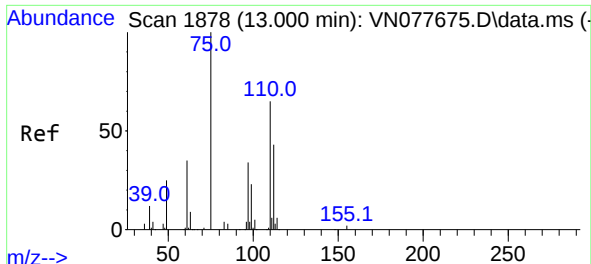
Tgt Ion:173 Resp: 1540
Ion Ratio Lower Upper
173 100
175 705.3 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Tgt Ion:152 Resp: 234625
Ion Ratio Lower Upper
152 100
115 63.3 32.3 96.8
150 157.4 0.0 355.8

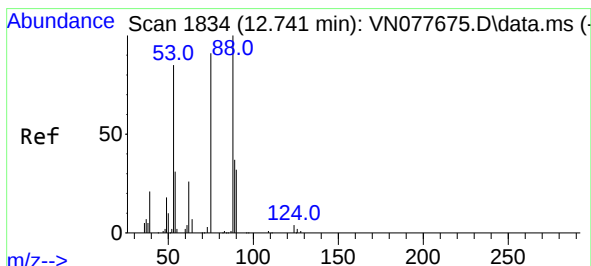
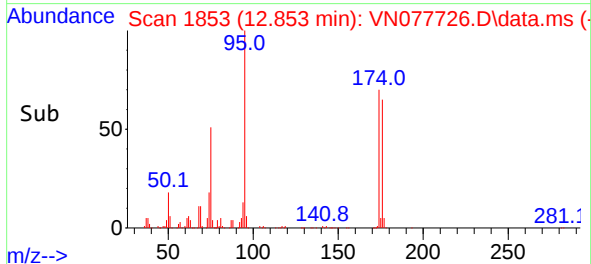
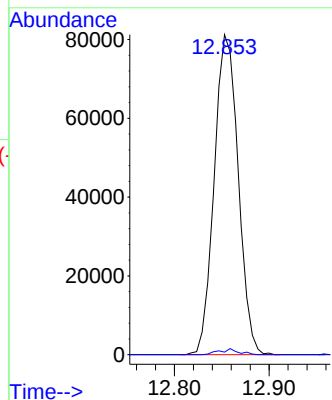
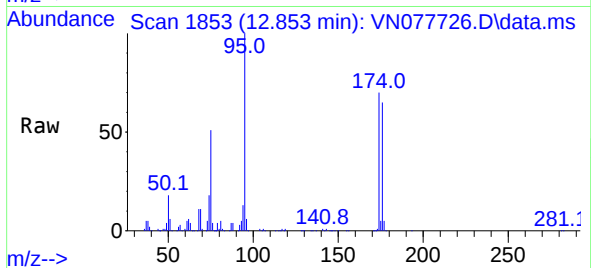




#76
1,2,3-Trichloropropane
Concen: 24.339 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion: 75 Resp: 143013
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.800 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077726.D
Acq: 17 May 2023 20:06

Tgt Ion: 75 Resp: 143013
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

