

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077927.D
 Acq On : 26 May 2023 15:05
 Operator : JC\MD
 Sample : 02945-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 29 00:29:27 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)

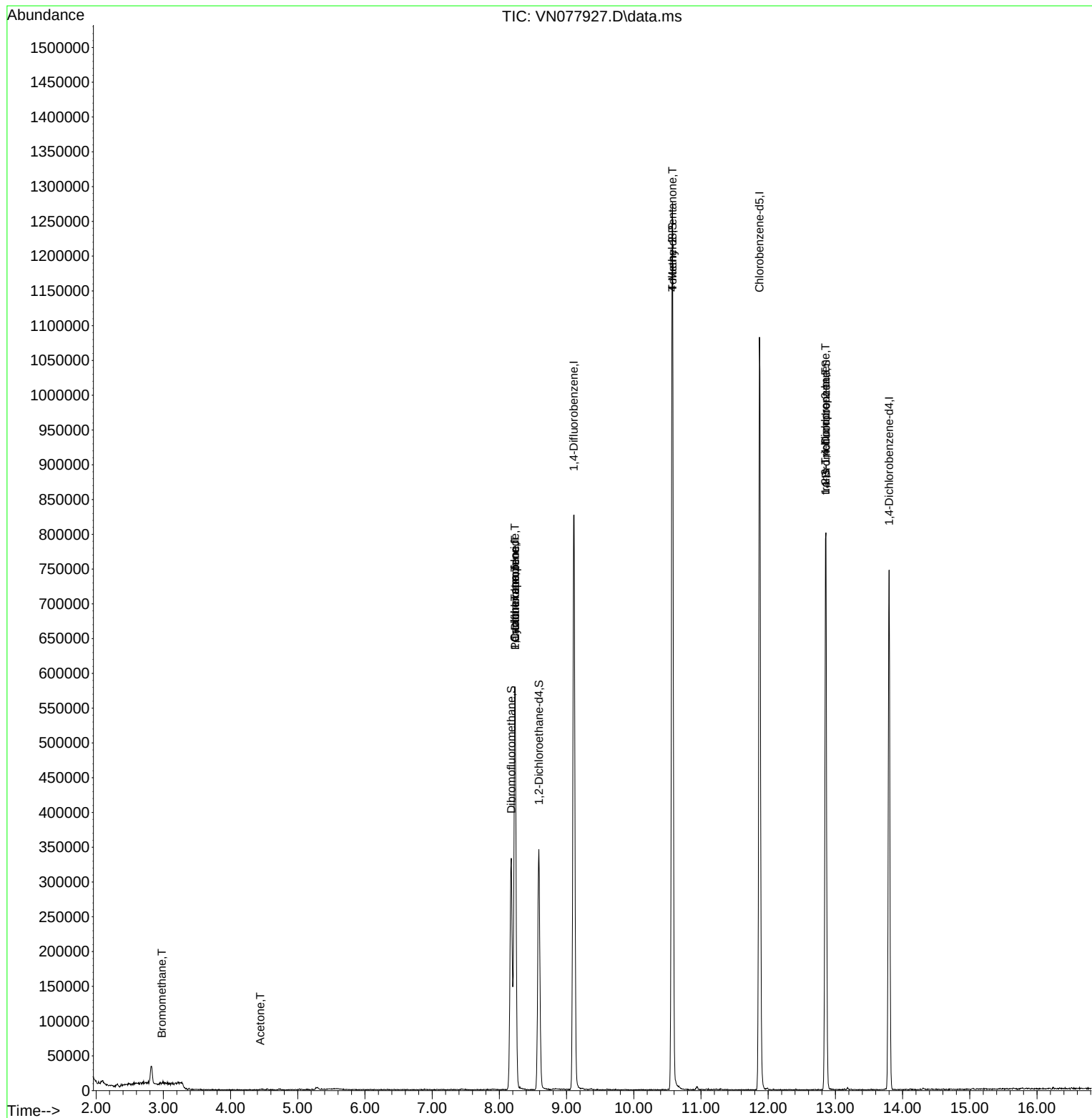
Internal Standards						
1) Pentafluorobenzene	8.235	168	411947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	746120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	646225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	197231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	282153	45.776	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.560%
35) Dibromofluoromethane	8.177	113	239995	49.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.660%
50) Toluene-d8	10.576	98	922047	49.236	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.480%
62) 4-Bromofluorobenzene	12.859	95	292873	44.280	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1636	Below Cal		96
5) Bromomethane	2.977	94	1902	0.435 ug/l #		49
13) Acrolein	4.194	56	110	Below Cal #		16
16) Acetone	4.441	43	462	0.238 ug/l #		40
20) Methylene Chloride	5.283	84	2493	Below Cal #		79
31) Cyclohexane	8.229	56	10078	1.203 ug/l #		46
36) 1,1-Dichloropropene	8.235	75	34089	4.790 ug/l #		48
38) Carbon Tetrachloride	8.229	117	44801	6.234 ug/l #		15
51) 4-Methyl-2-Pentanone	10.576	43	3400	0.552 ug/l #		1
76) 1,2,3-Trichloropropane	12.853	75	157584	31.904 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	157584	101.981 ug/l #		15

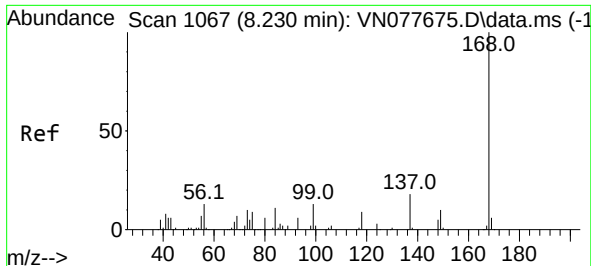
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
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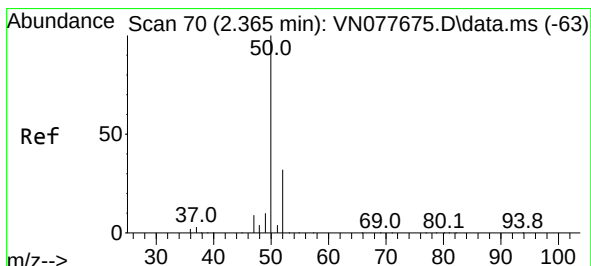
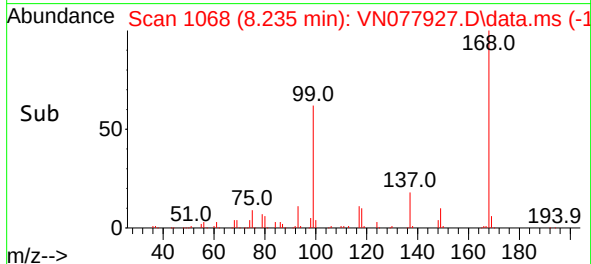
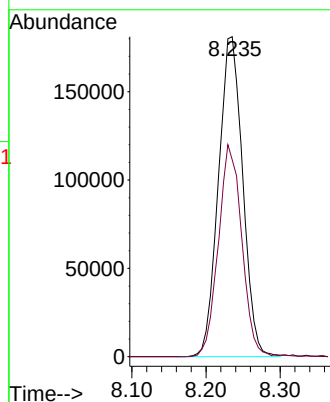
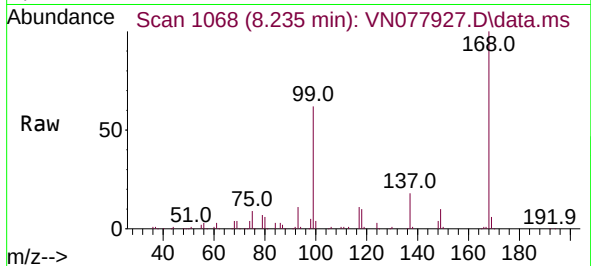




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

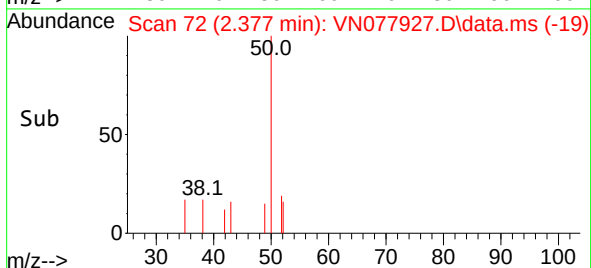
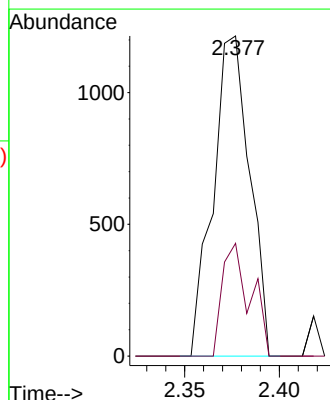
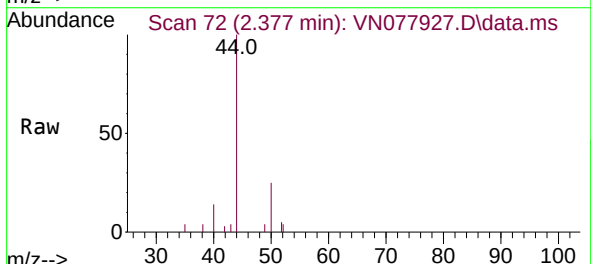
Instrument :
MSVOA_N
ClientSampleId :
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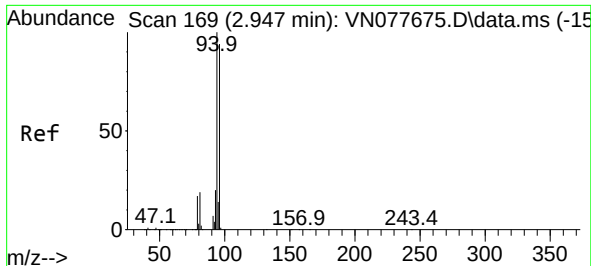
Tgt Ion:168 Resp: 411947
Ion Ratio Lower Upper
168 100
99 61.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

Tgt Ion: 50 Resp: 1636
Ion Ratio Lower Upper
50 100
52 35.2 26.5 39.7

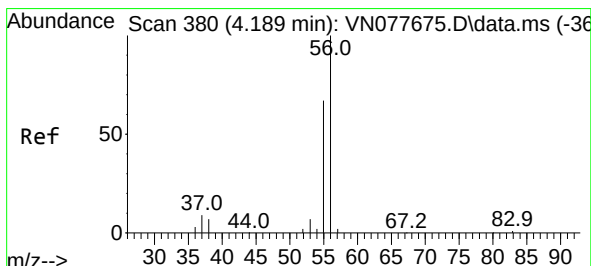
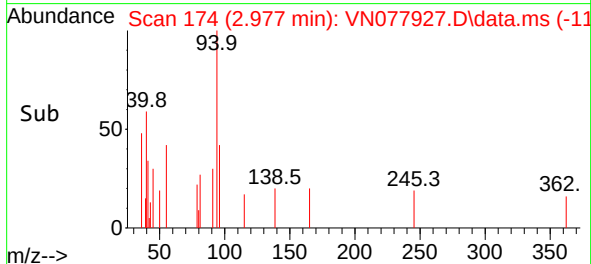
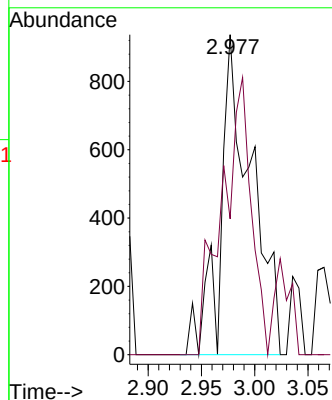
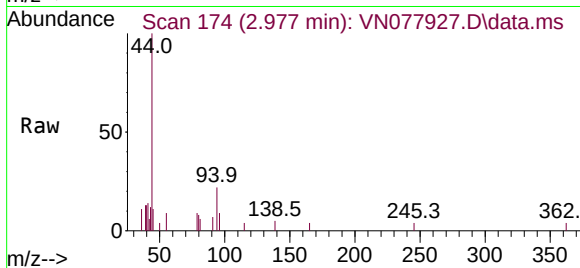




#5
Bromomethane
Concen: 0.435 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

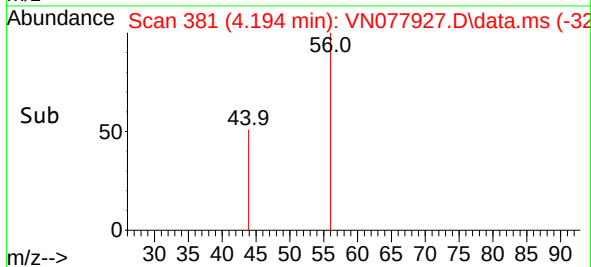
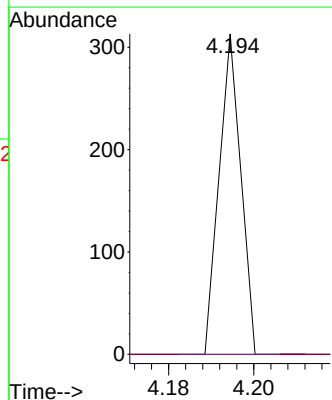
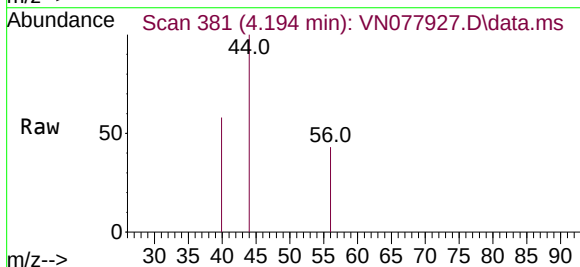
Instrument :
MSVOA_N
ClientSampleId :
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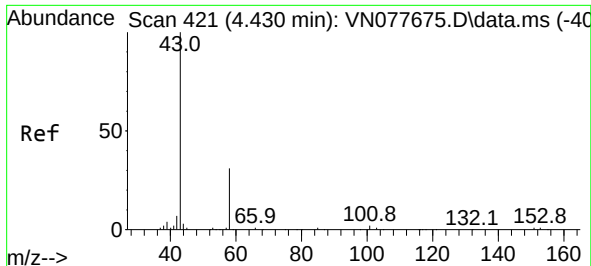
Tgt Ion: 94 Resp: 1902
Ion Ratio Lower Upper
94 100
96 42.5 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

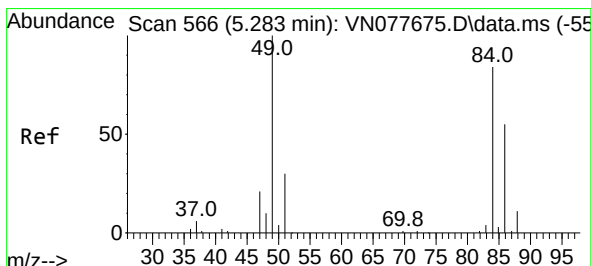
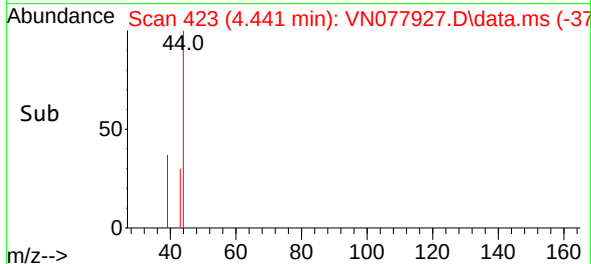
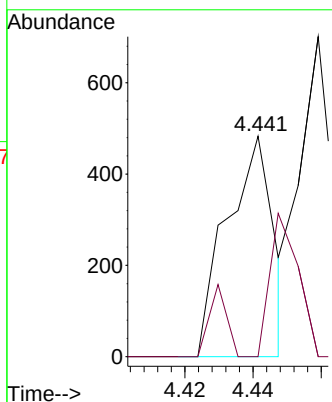
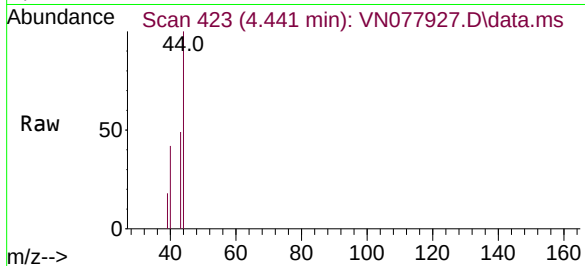




#16
Acetone
Concen: 0.238 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

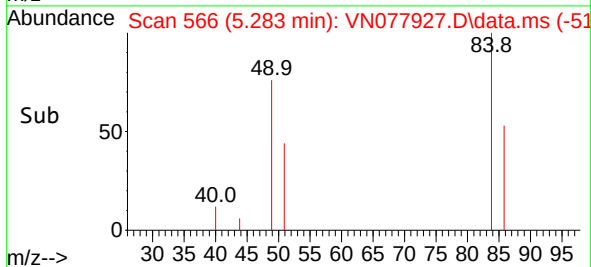
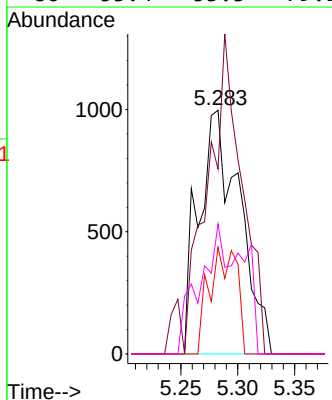
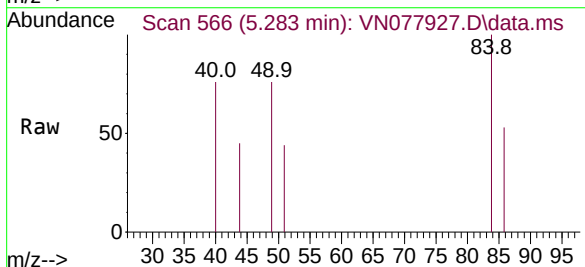
Instrument :
MSVOA_N
ClientSampleId :
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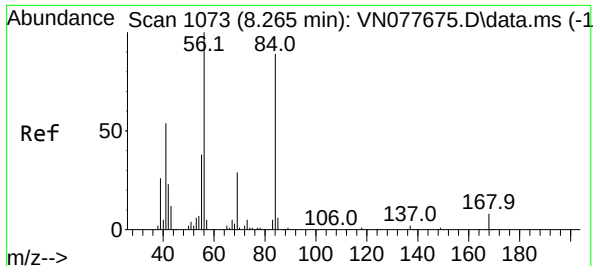
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

Tgt Ion: 84 Resp: 2493
Ion Ratio Lower Upper
84 100
49 75.9 79.7 119.5#
51 43.7 25.2 37.8#
86 53.4 53.3 79.9

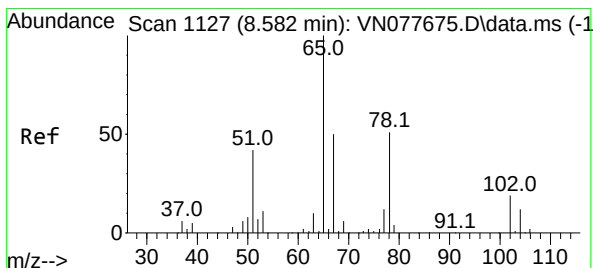
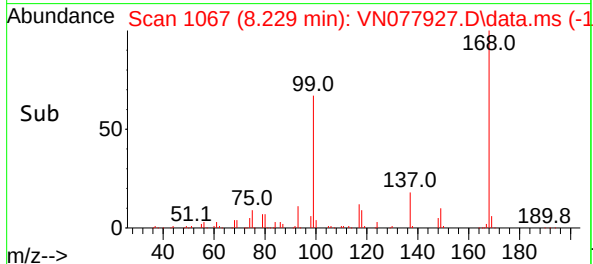
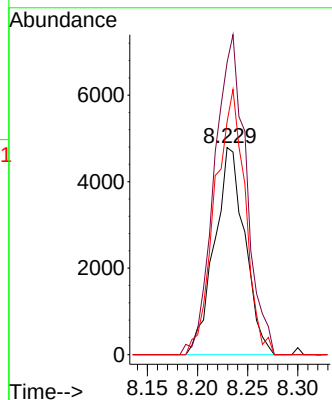
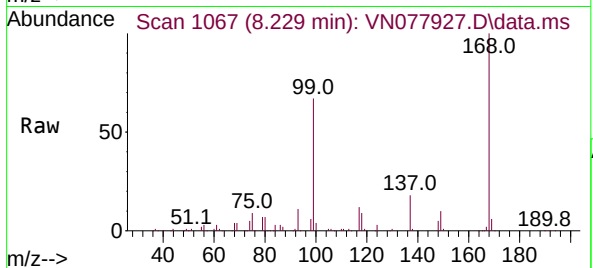




#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

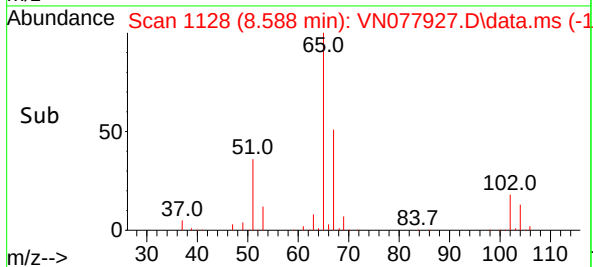
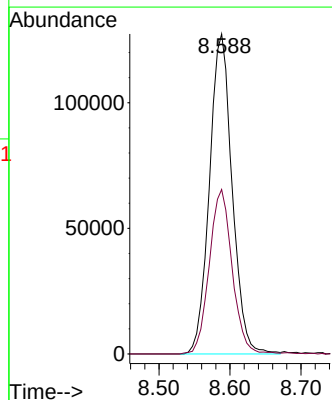
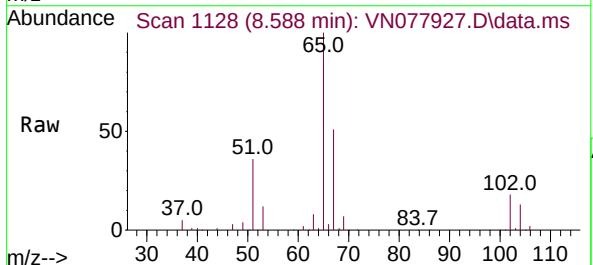
Instrument :
MSVOA_N
ClientSampleId :
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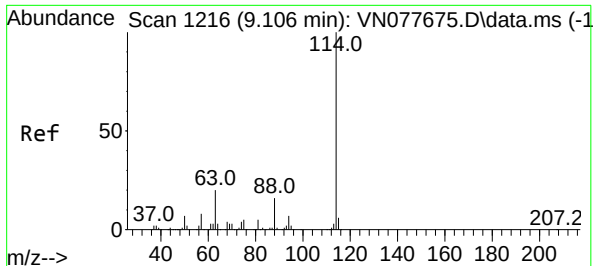
Tgt Ion: 56 Resp: 10078
Ion Ratio Lower Upper
56 100
69 141.0 26.8 40.2#
84 112.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 45.776 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

Tgt Ion: 65 Resp: 282153
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077927.D

Acq: 26 May 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

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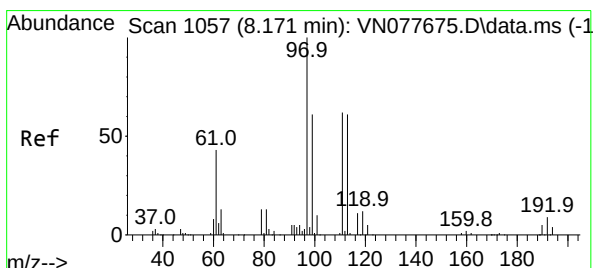
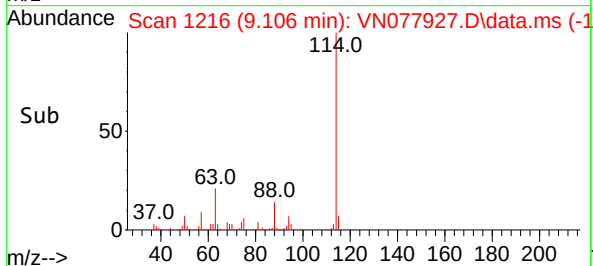
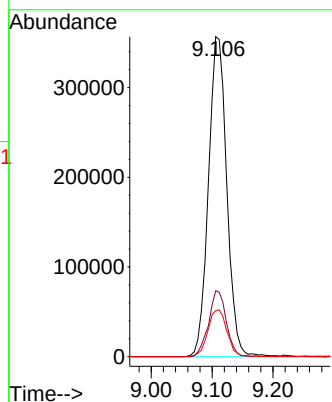
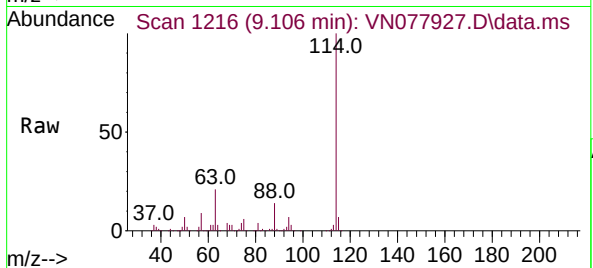
Tgt Ion:114 Resp: 746120

Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.327 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077927.D

Acq: 26 May 2023 15:05

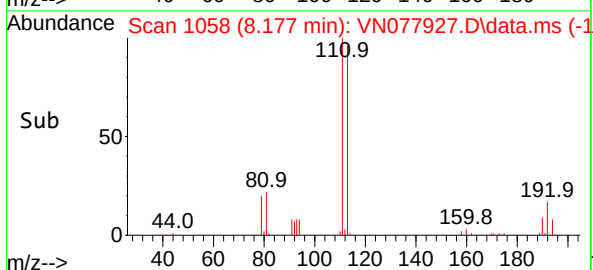
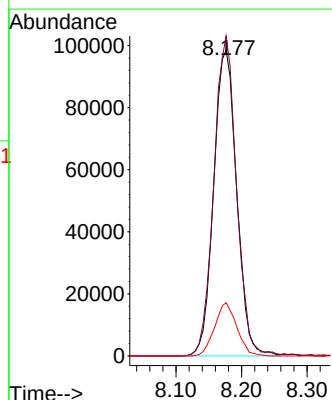
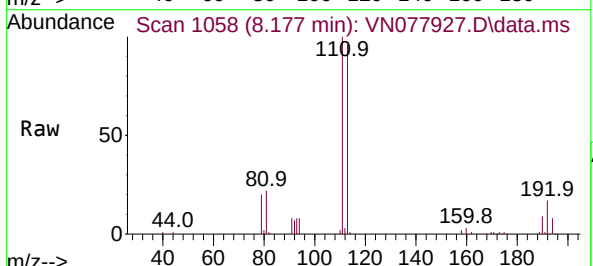
Tgt Ion:113 Resp: 239995

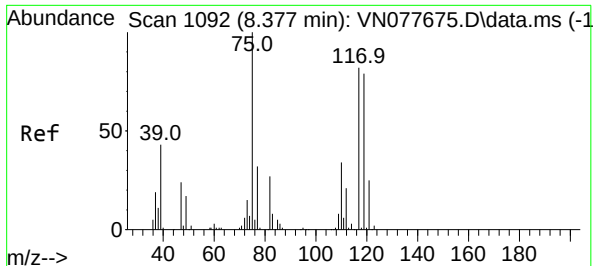
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 16.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077927.D

Acq: 26 May 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

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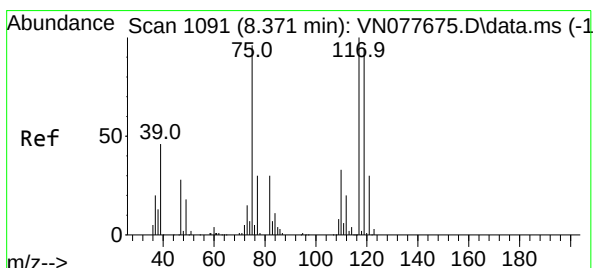
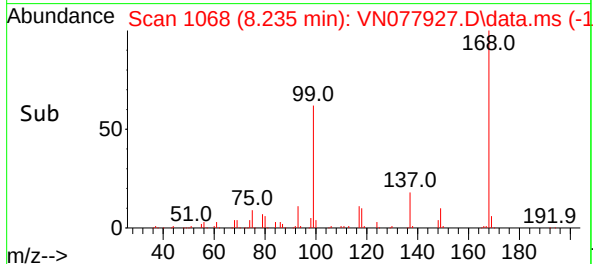
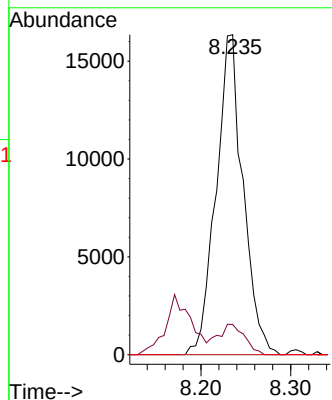
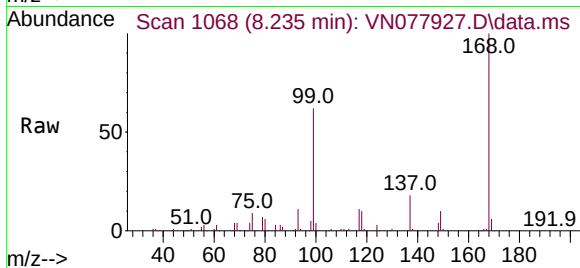
Tgt Ion: 75 Resp: 34089

Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.234 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VN077927.D

Acq: 26 May 2023 15:05

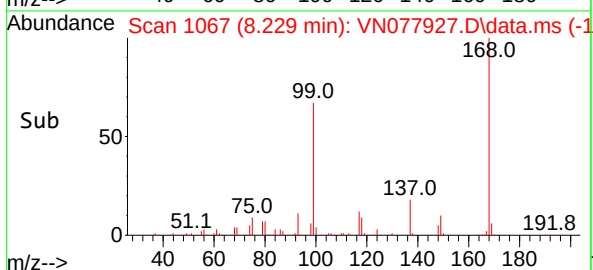
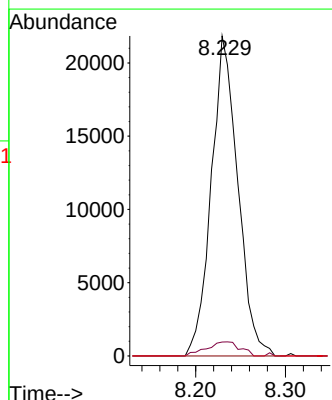
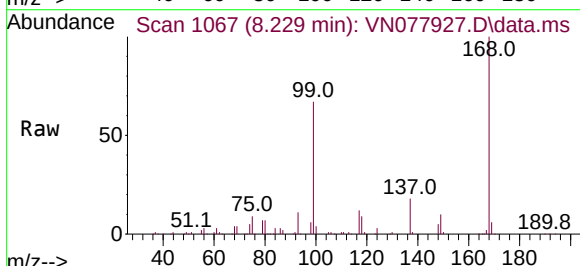
Tgt Ion: 117 Resp: 44801

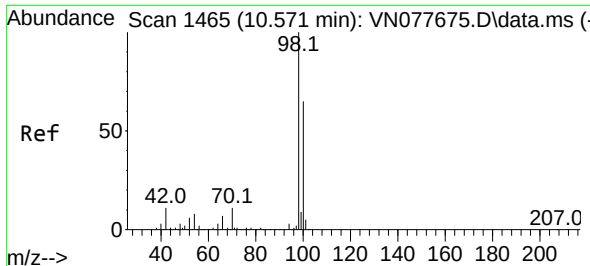
Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#

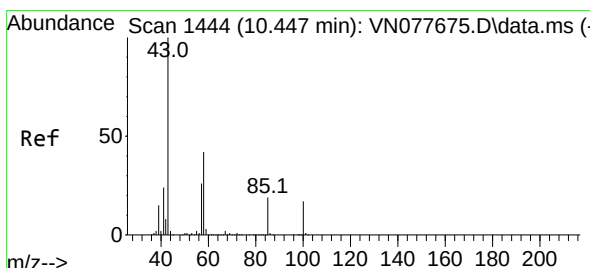
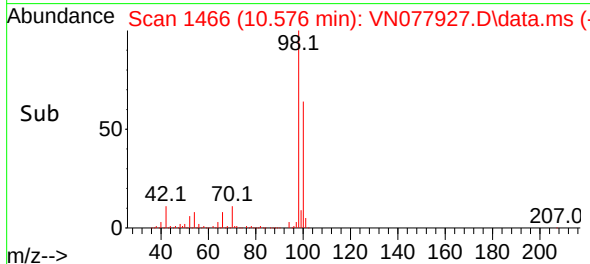
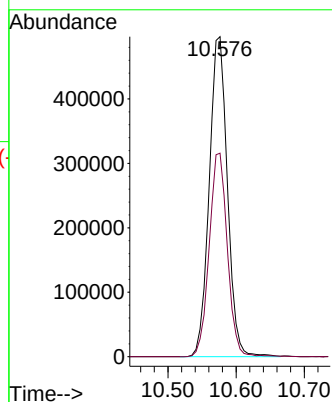
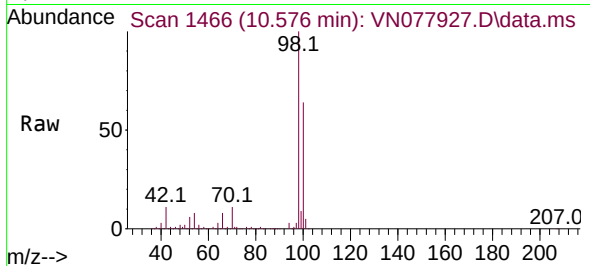




#50
Toluene-d8
Concen: 49.236 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

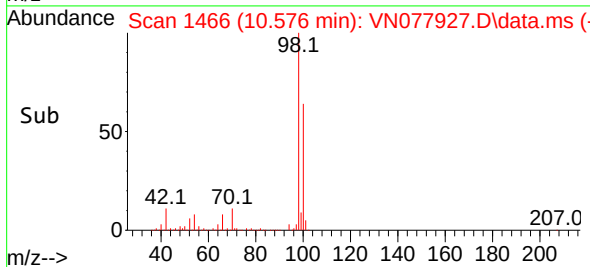
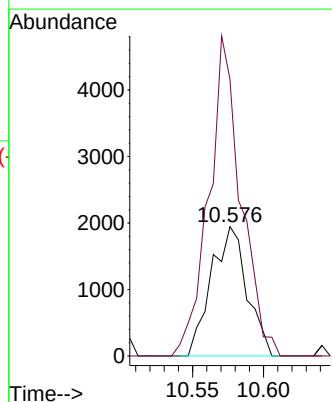
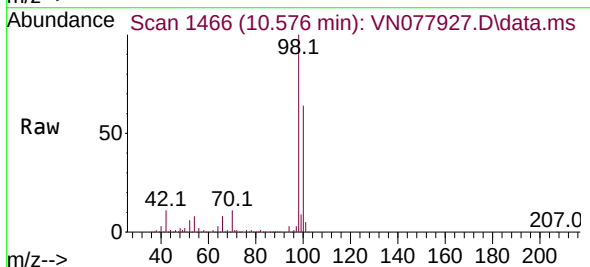
Instrument :
MSVOA_N
ClientSampleId :
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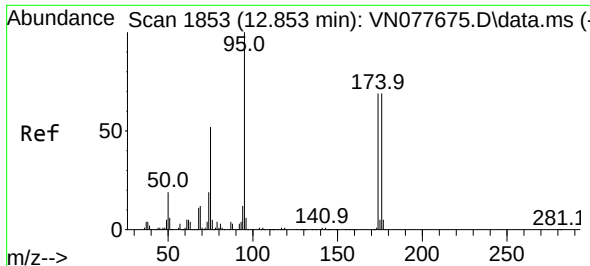
Tgt Ion: 98 Resp: 922047
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

Tgt Ion: 43 Resp: 3400
Ion Ratio Lower Upper
43 100
58 222.6 36.6 54.8#

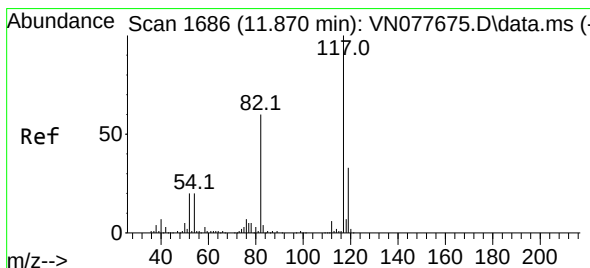
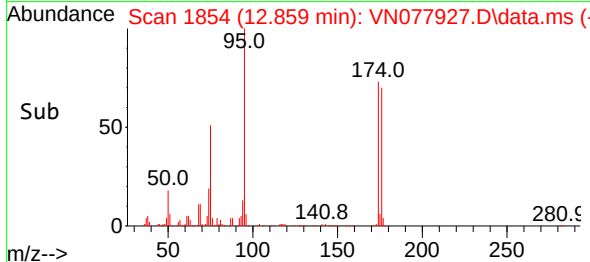
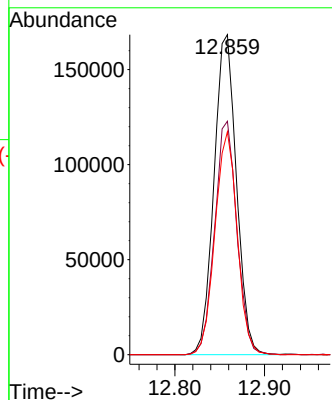
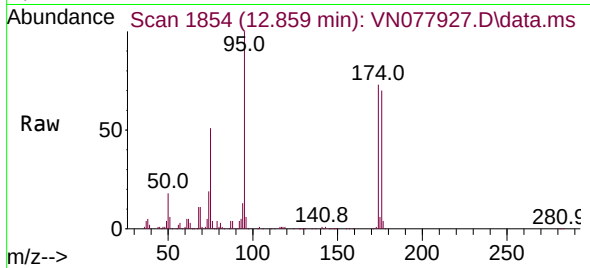




#62
4-Bromofluorobenzene
Concen: 44.280 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

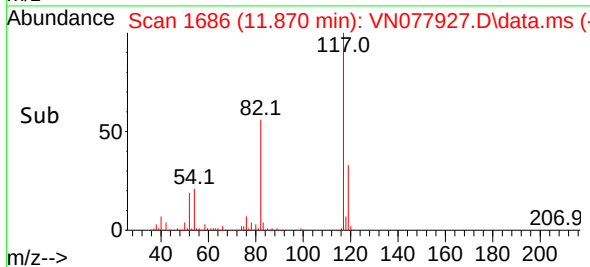
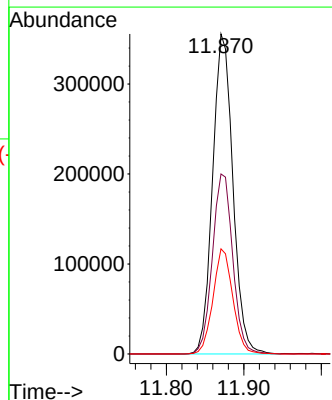
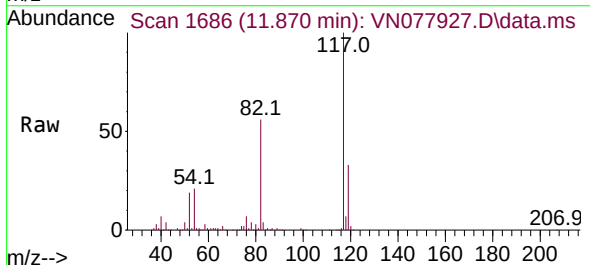
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MSVOA_N
ClientSampleId :
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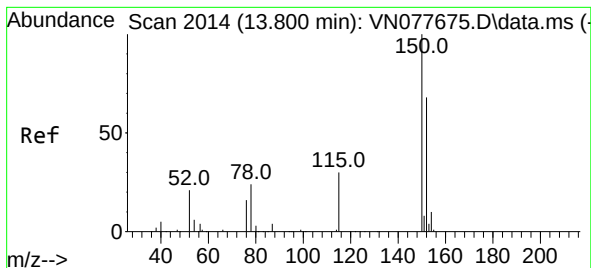
Tgt Ion: 95 Resp: 292873
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.8
176 68.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077927.D
Acq: 26 May 2023 15:05

Tgt Ion: 117 Resp: 646225
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN077927.D

Acq: 26 May 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

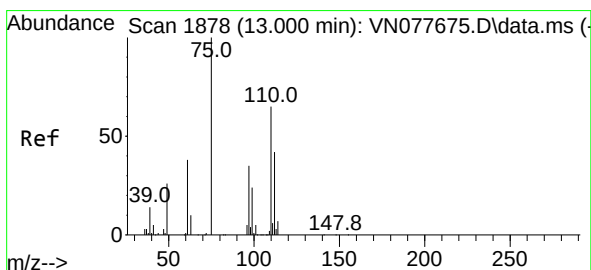
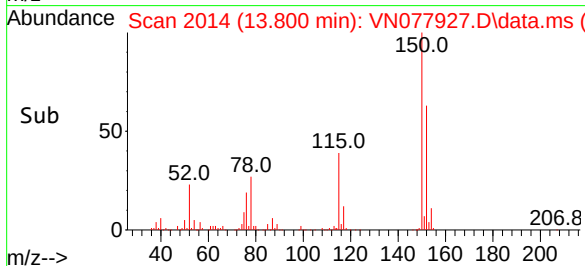
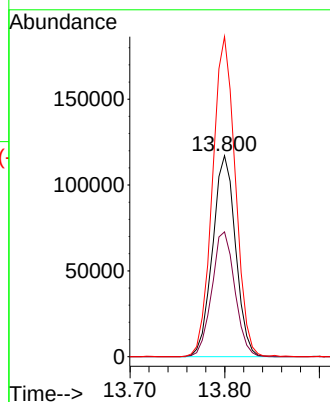
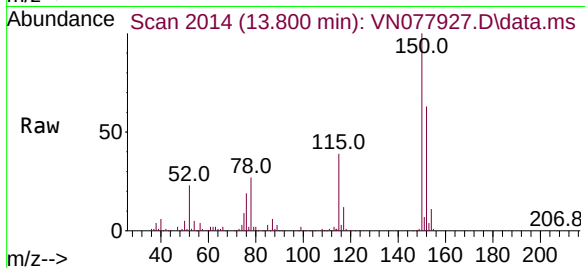
Tgt Ion:152 Resp: 197231

Ion Ratio Lower Upper

152 100

115 62.1 32.3 96.8

150 158.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 31.904 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN077927.D

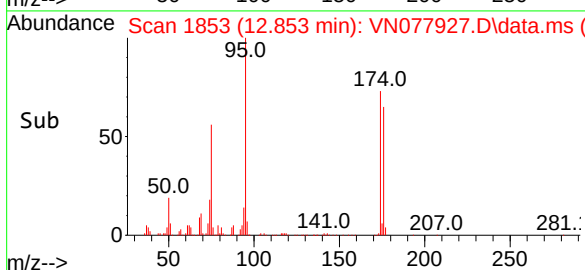
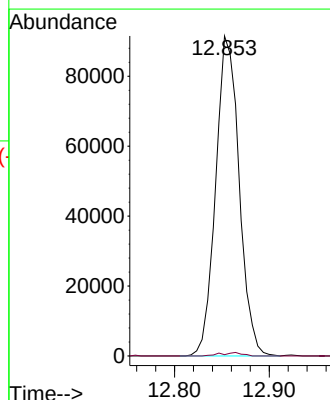
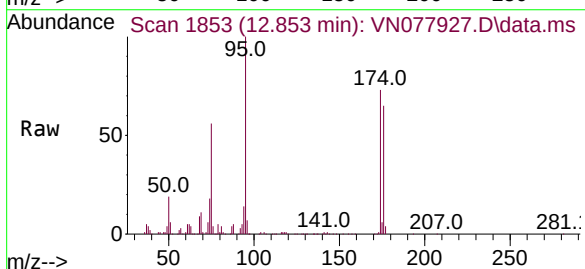
Acq: 26 May 2023 15:05

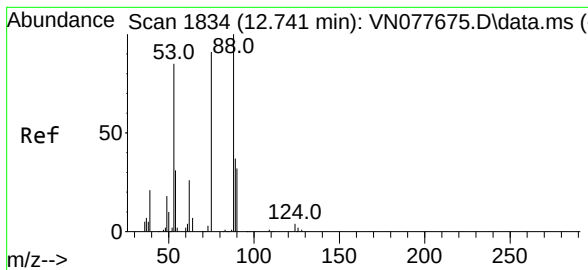
Tgt Ion: 75 Resp: 157584

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.981 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077927.D
 Acq: 26 May 2023 15:05

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tgt Ion: 75 Resp: 157584
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

