

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077928.D
 Acq On : 26 May 2023 15:29
 Operator : JC\MD
 Sample : 02955-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 29 00:29:45 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)

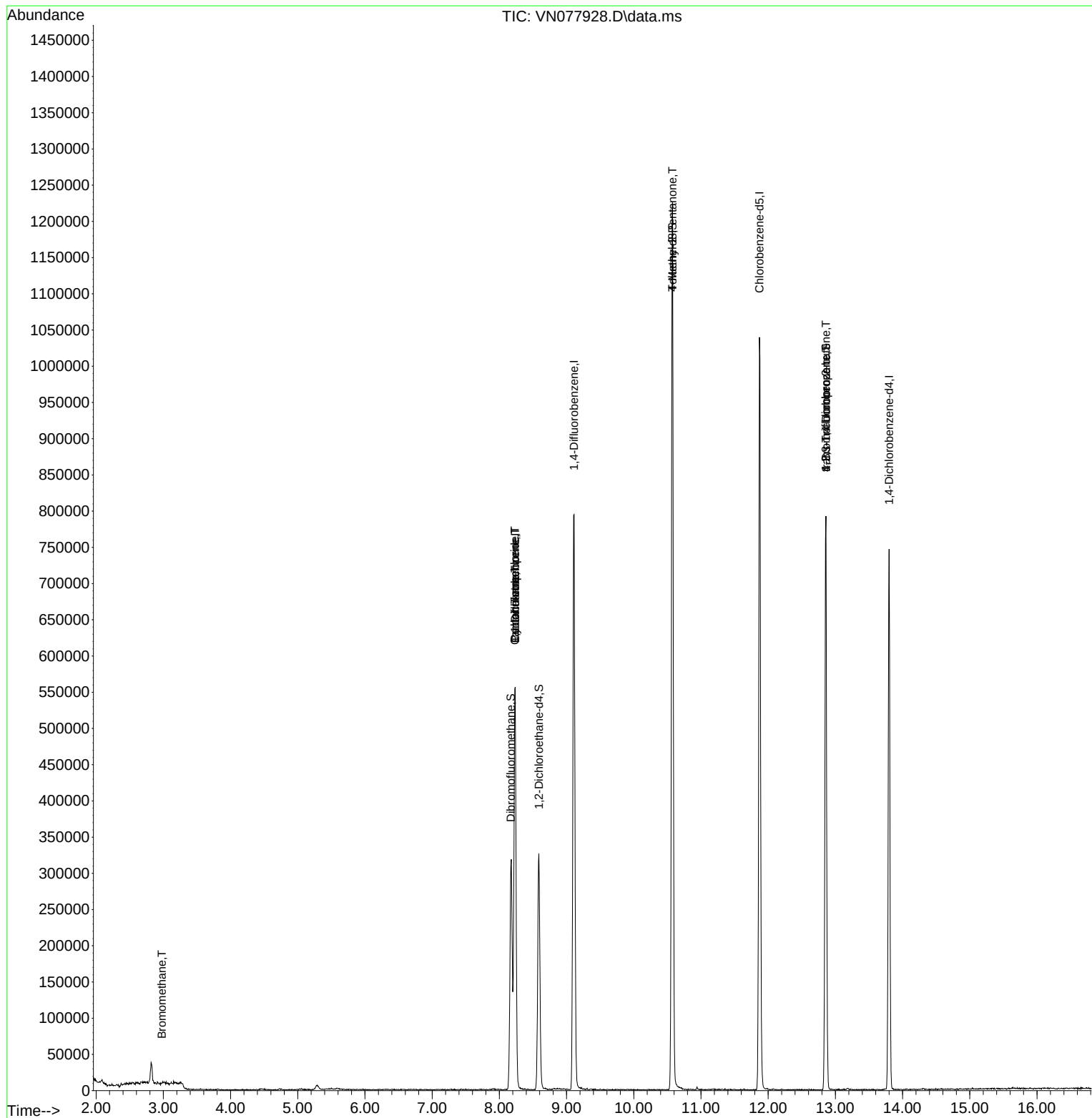
Internal Standards						
1) Pentafluorobenzene	8.235	168	396290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	716574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	617032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	200335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	272983	46.038	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.080%
35) Dibromofluoromethane	8.171	113	231566	49.557	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.120%
50) Toluene-d8	10.576	98	890431	49.508	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.859	95	291327	45.863	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2192	Below Cal		90
5) Bromomethane	2.977	94	1731	0.412 ug/l		88
13) Acrolein	4.194	56	68	Below Cal	#	48
20) Methylene Chloride	5.294	84	5338	Below Cal	#	91
31) Cyclohexane	8.235	56	9207	1.142 ug/l	#	5
36) 1,1-Dichloropropene	8.235	75	34257	5.012 ug/l	#	48
38) Carbon Tetrachloride	8.229	117	42534	6.163 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.576	43	3575	0.604 ug/l	#	1
76) 1,2,3-Trichloropropane	12.859	75	153625	30.620 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.859	75	153625	97.878 ug/l	#	15

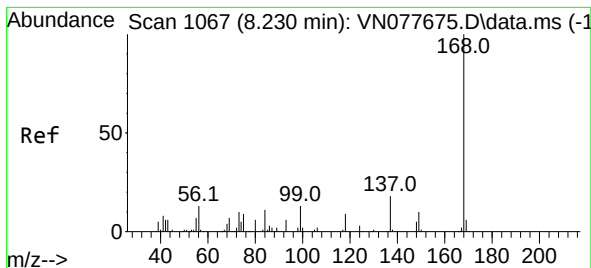
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN077928.D

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Instrument :

MSVOA_N

ClientSampleId :

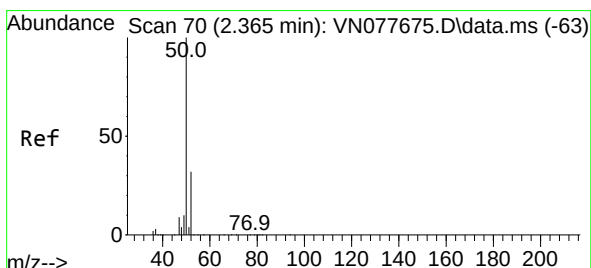
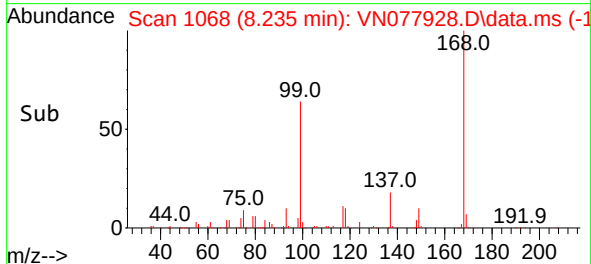
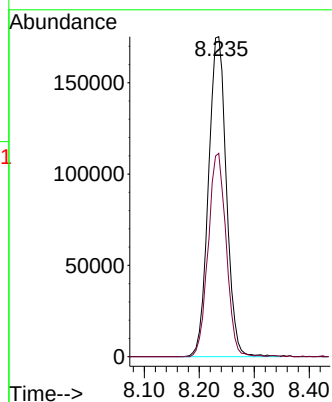
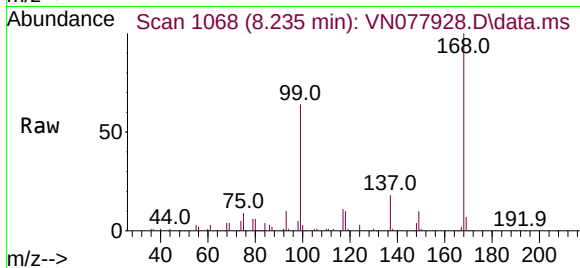
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Tgt Ion:168 Resp: 396290

Ion Ratio Lower Upper

168 100

99 63.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN077928.D

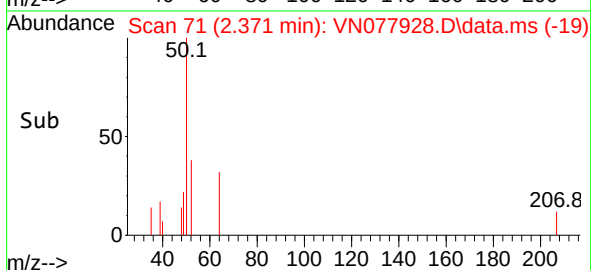
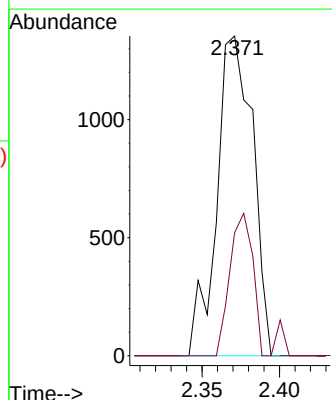
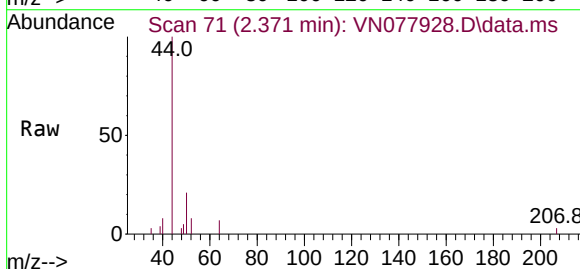
Acq: 26 May 2023 15:29

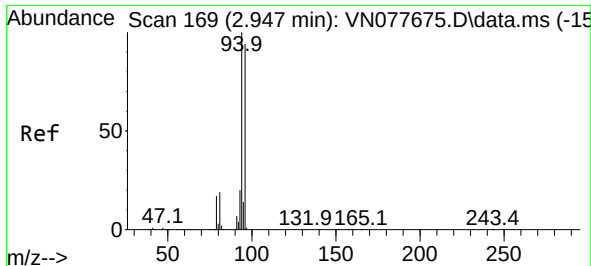
Tgt Ion: 50 Resp: 2192

Ion Ratio Lower Upper

50 100

52 38.5 26.5 39.7

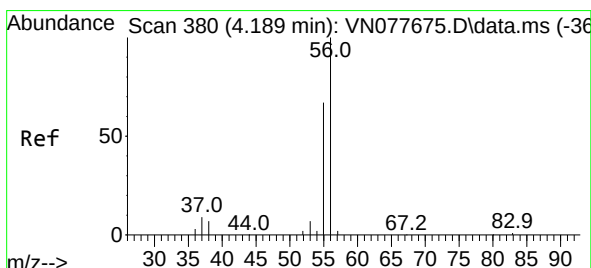
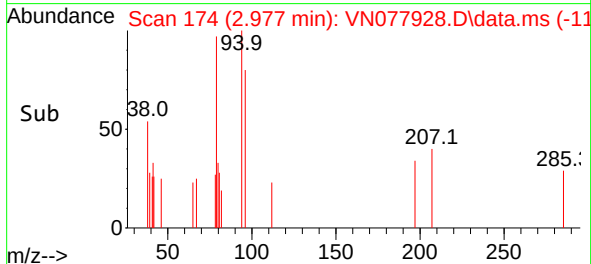
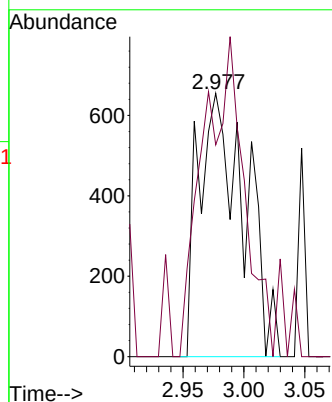
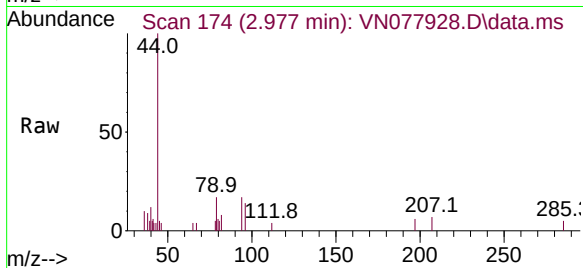




#5
Bromomethane
Concen: 0.412 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

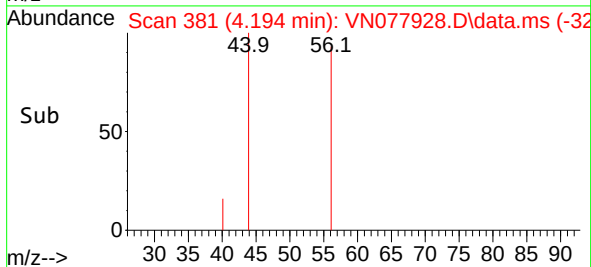
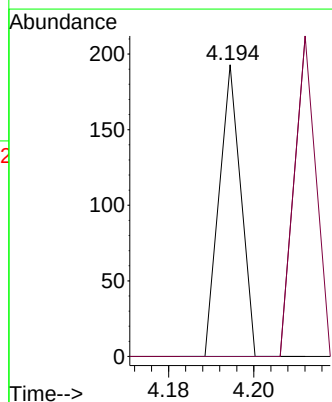
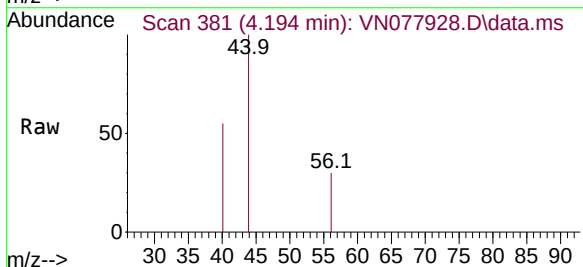
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

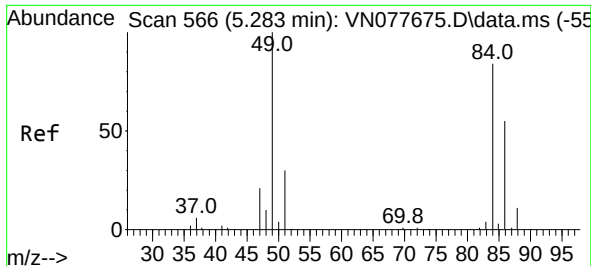
Tgt Ion: 94 Resp: 1731
Ion Ratio Lower Upper
94 100
96 80.5 73.1 109.7



#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 110.3 54.5 81.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.294 min Scan# 5

Delta R.T. 0.011 min

Lab File: VN077928.D

Acq: 26 May 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

Tgt Ion: 84 Resp: 5338

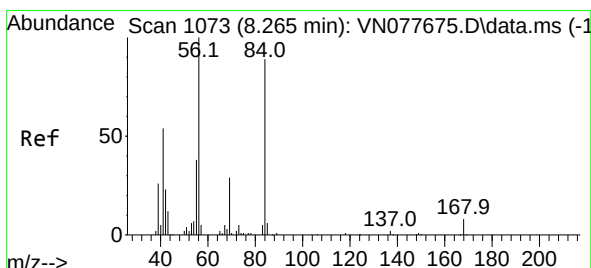
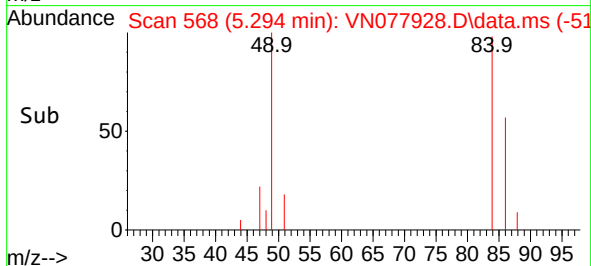
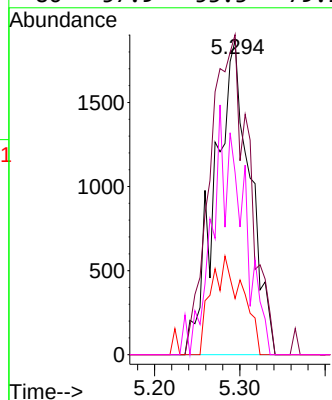
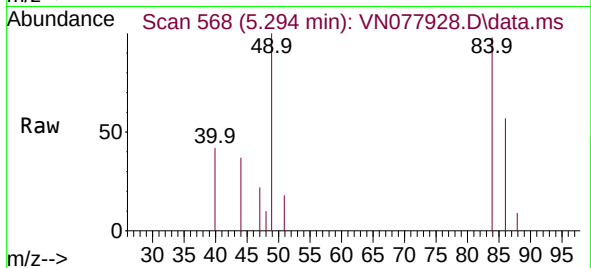
Ion Ratio Lower Upper

84 100

49 101.8 79.7 119.5

51 17.9 25.2 37.8#

86 57.9 53.3 79.9



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN077928.D

Acq: 26 May 2023 15:29

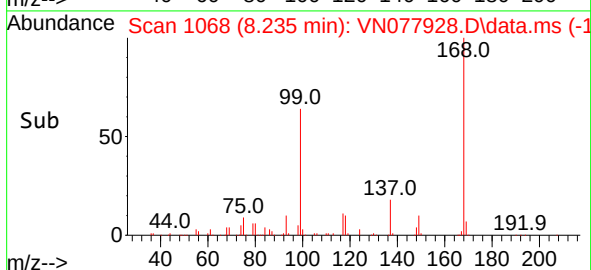
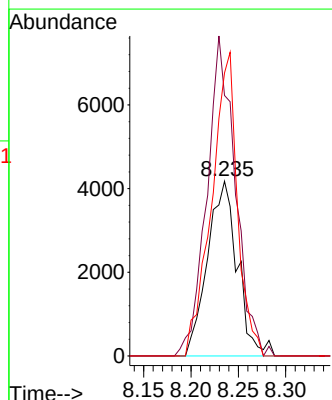
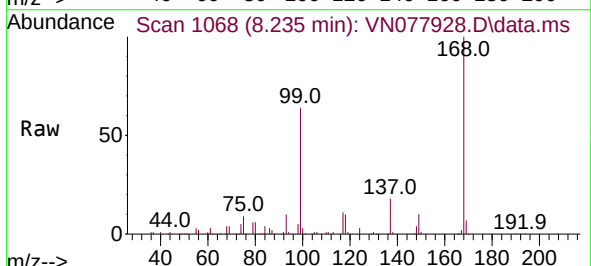
Tgt Ion: 56 Resp: 9207

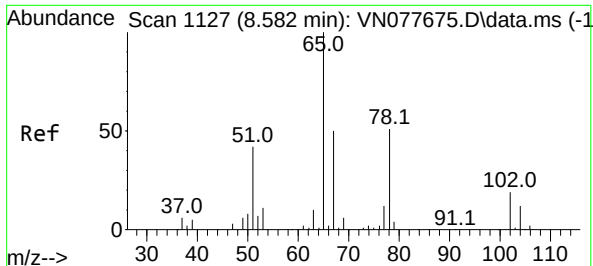
Ion Ratio Lower Upper

56 100

69 149.0 26.8 40.2#

84 162.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 46.038 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077928.D

Acq: 26 May 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

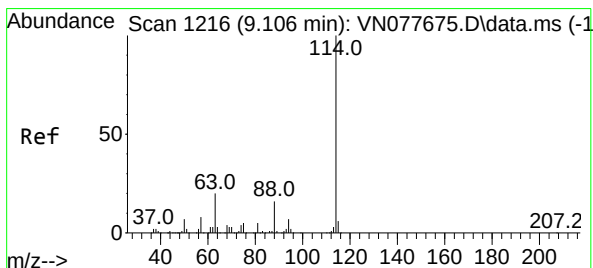
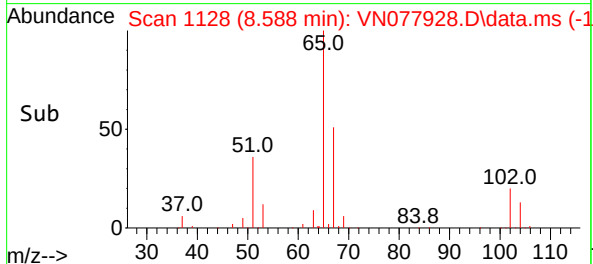
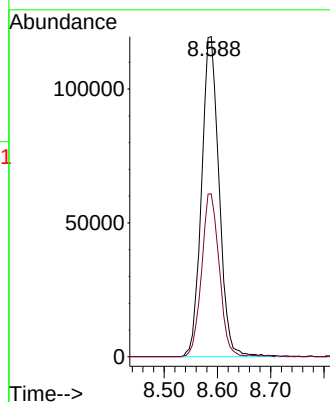
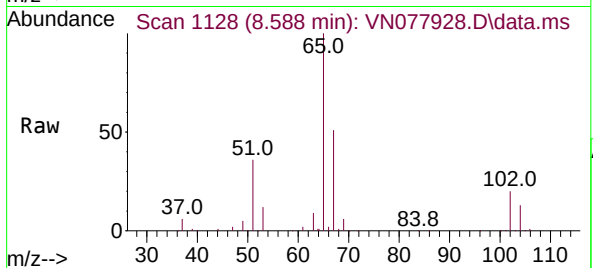
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Tgt Ion: 65 Resp: 272983

Ion Ratio Lower Upper

65 100

67 51.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077928.D

Acq: 26 May 2023 15:29

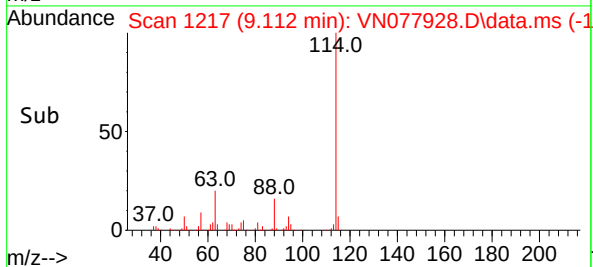
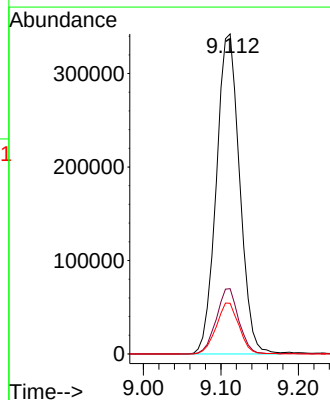
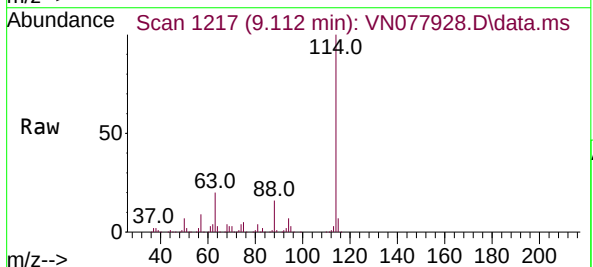
Tgt Ion: 114 Resp: 716574

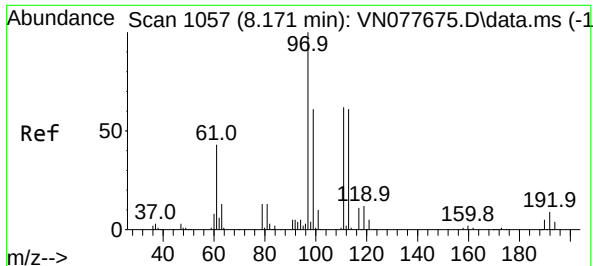
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 15.8 0.0 30.6

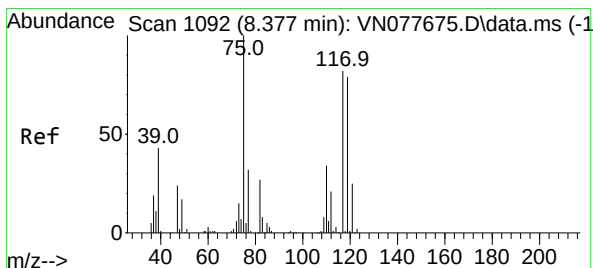
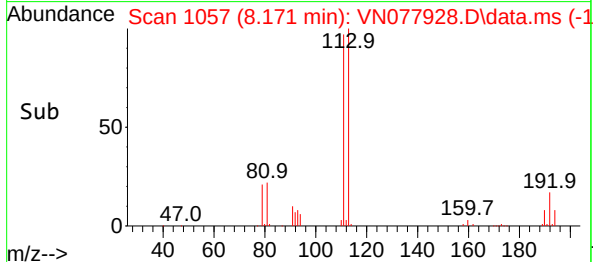
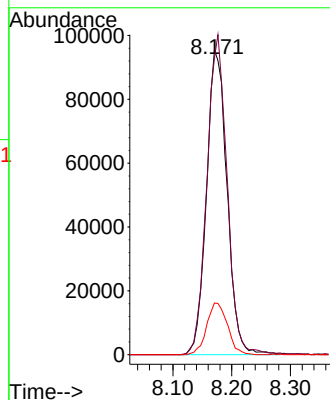
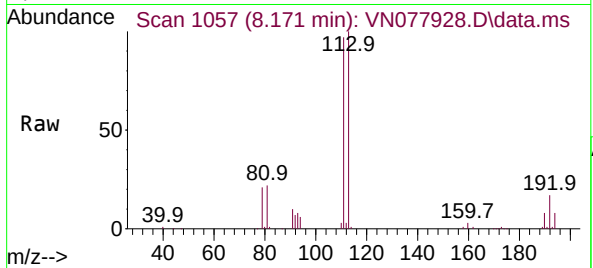




#35
Dibromofluoromethane
Concen: 49.557 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

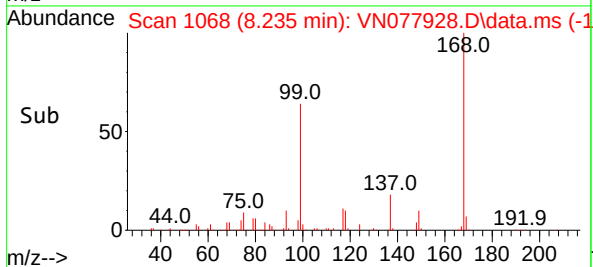
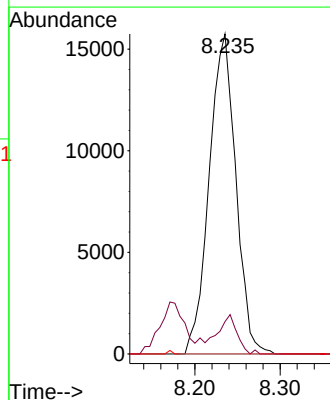
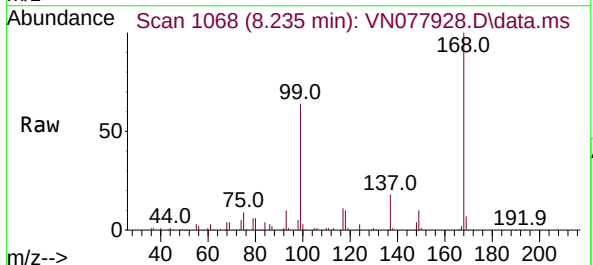
Instrument :
MSVOA_N
ClientSampleId :
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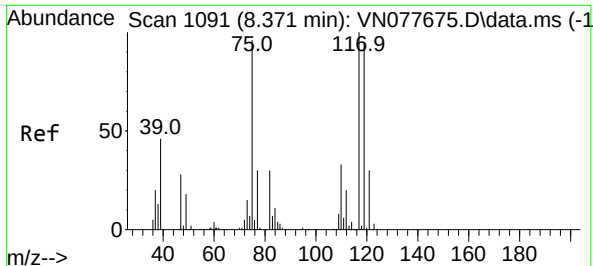
Tgt Ion:113 Resp: 231566
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.012 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

Tgt Ion: 75 Resp: 34257
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.0 37.4#

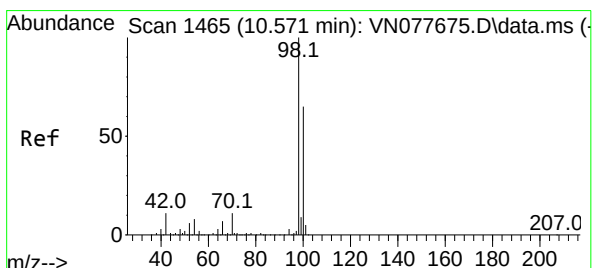
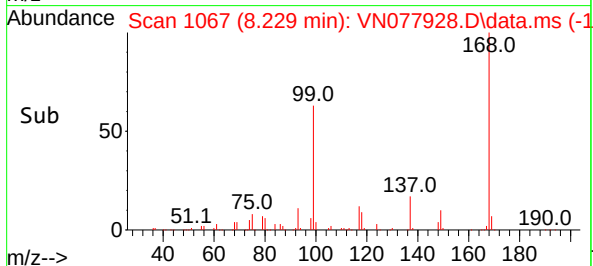
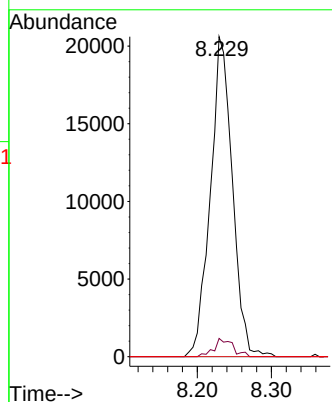
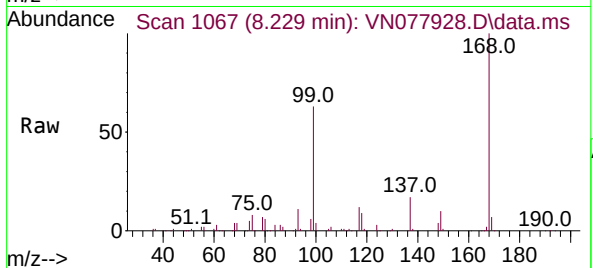




#38
Carbon Tetrachloride
Concen: 6.163 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

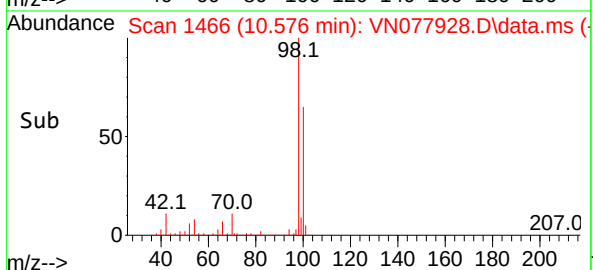
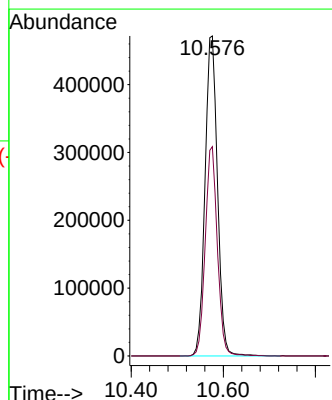
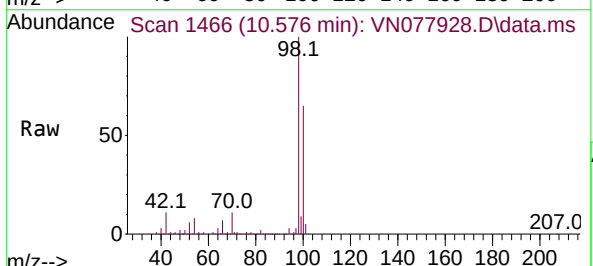
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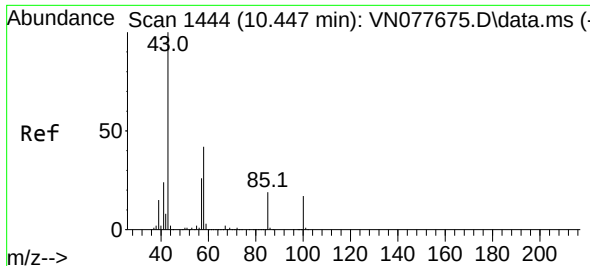
Tgt Ion:117 Resp: 42534
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.508 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

Tgt Ion: 98 Resp: 890431
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

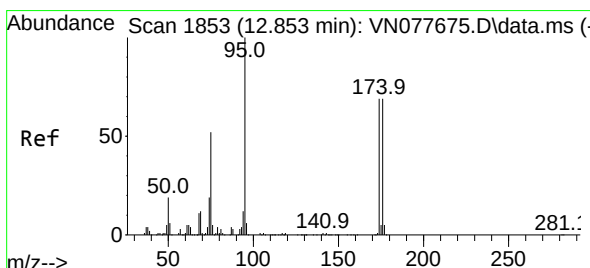
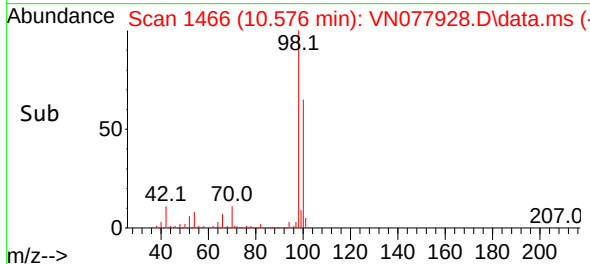
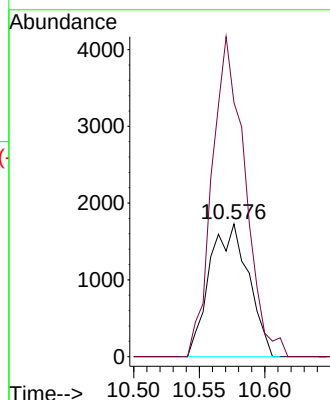
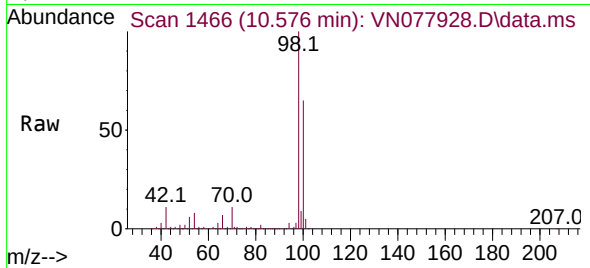




#51
4-Methyl-2-Pentanone
Concen: 0.604 ug/l
RT: 10.576 min Scan# 1444
Delta R.T. 0.129 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

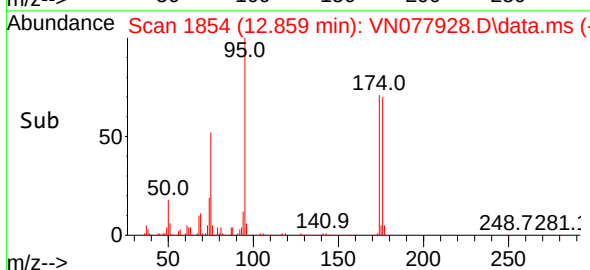
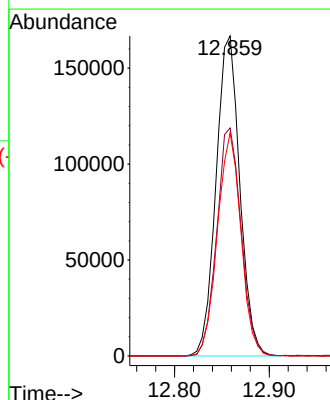
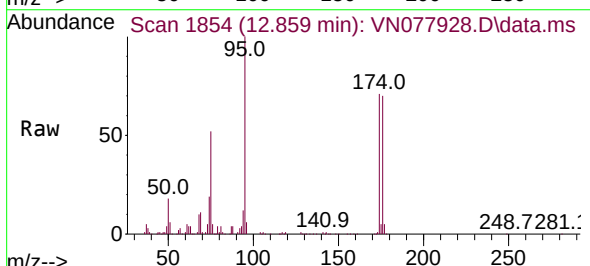
Instrument :
MSVOA_N
ClientSampleId :
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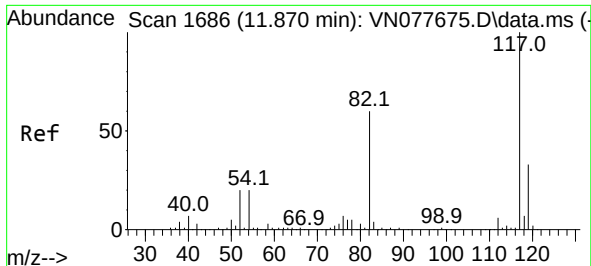
Tgt Ion: 43 Resp: 3575
Ion Ratio Lower Upper
43 100
58 203.4 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 45.863 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

Tgt Ion: 95 Resp: 291327
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 68.7 0.0 135.8

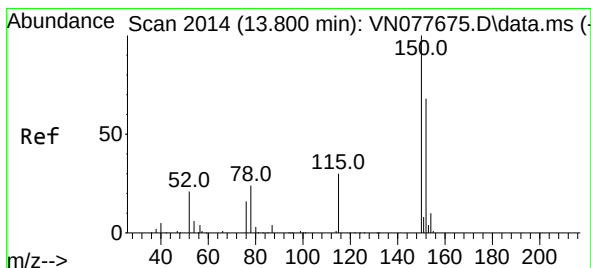
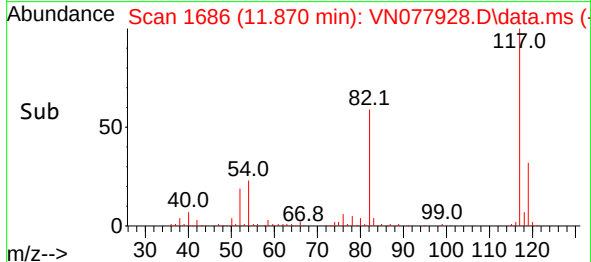
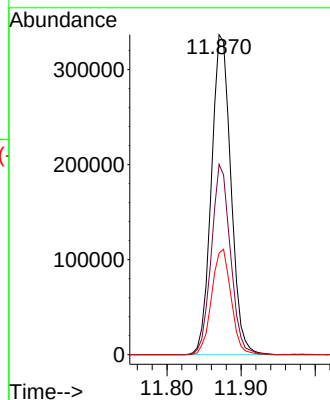
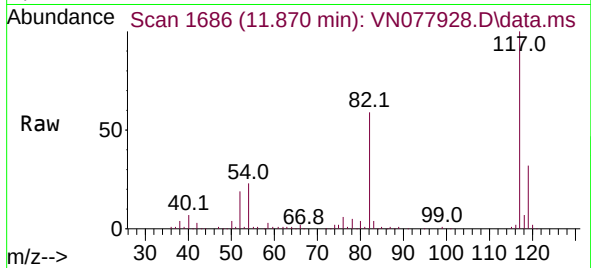




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

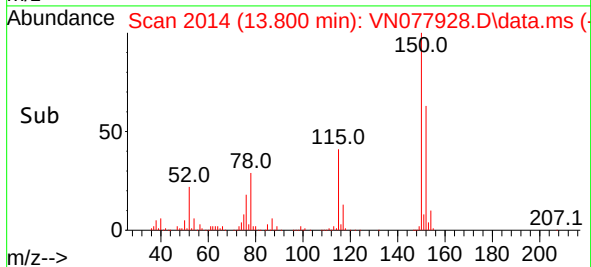
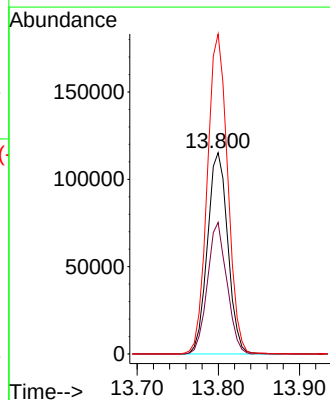
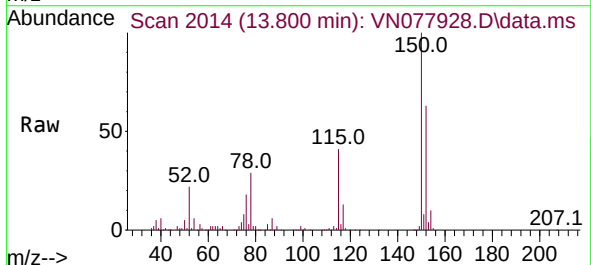
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ClientSampleId :
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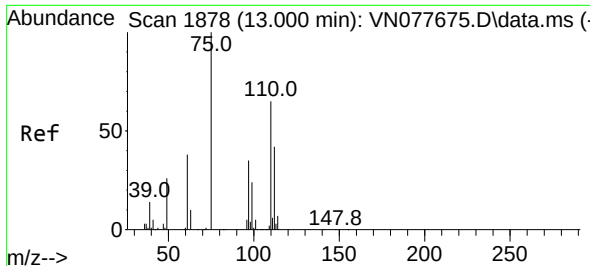
Tgt Ion:117 Resp: 617032
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

Tgt Ion:152 Resp: 200335
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 158.8 0.0 355.8

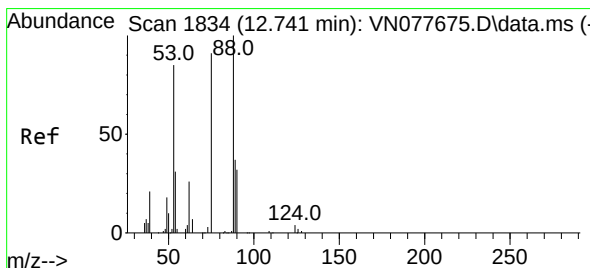
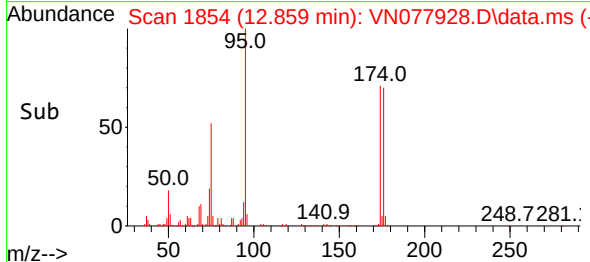
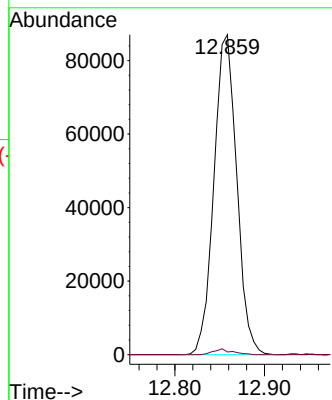
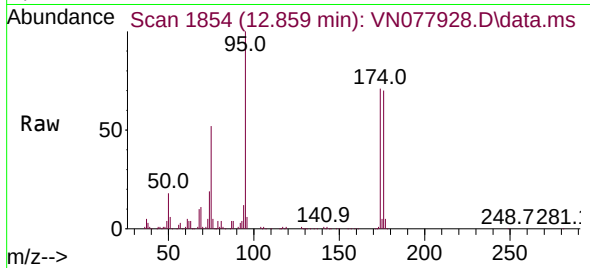




#76
1,2,3-Trichloropropane
Concen: 30.620 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 153625
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.878 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077928.D
Acq: 26 May 2023 15:29

Tgt Ion: 75 Resp: 153625
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

