

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077932.D
 Acq On : 26 May 2023 17:05
 Operator : JC\MD
 Sample : 02955-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07

Quant Time: May 29 00:31:06 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)

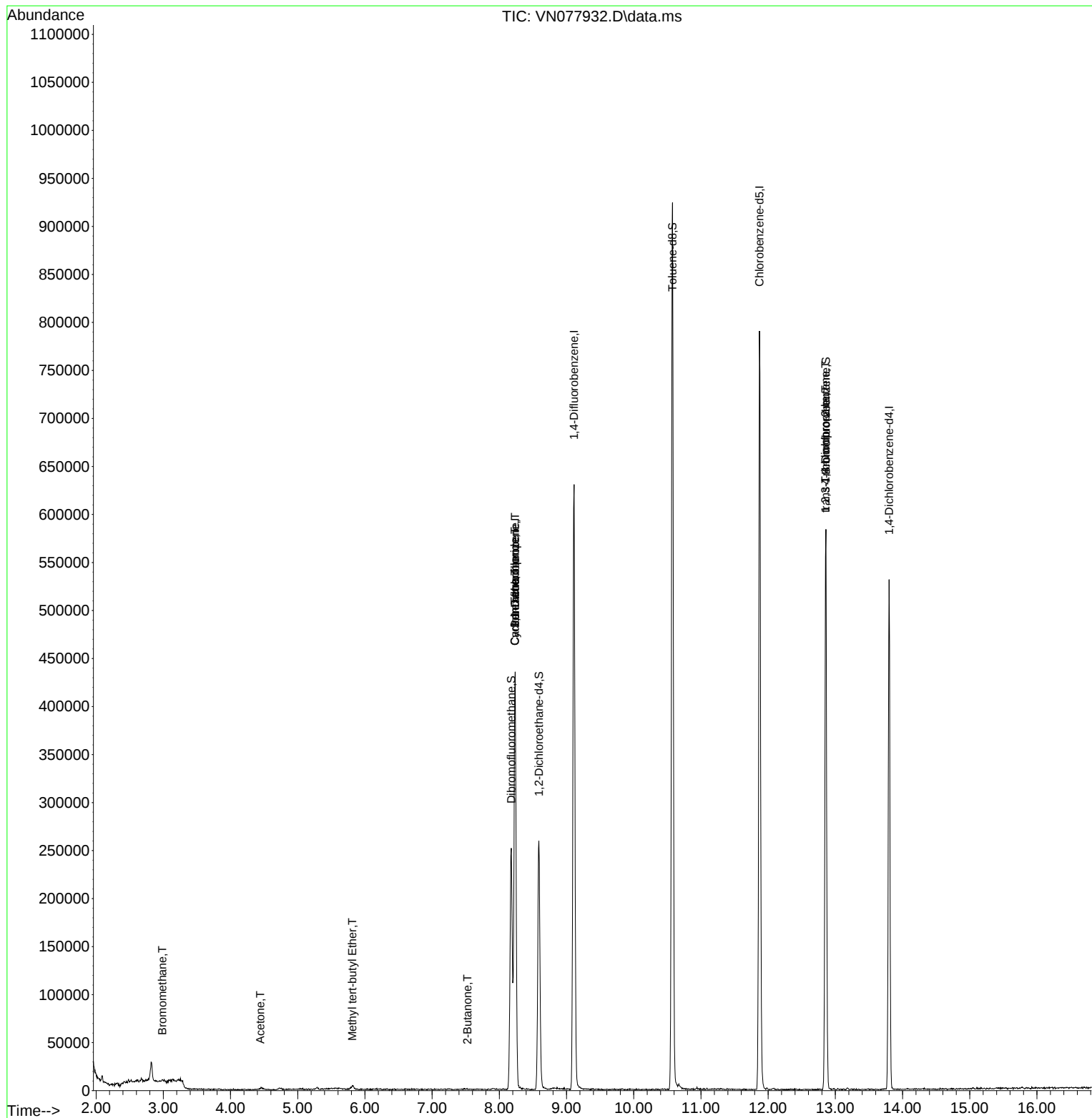
Internal Standards						
1) Pentafluorobenzene	8.236	168	307585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	556760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	481115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	144439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	212601	46.195	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.380%
35) Dibromofluoromethane	8.177	113	182064	50.148	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.300%
50) Toluene-d8	10.577	98	680023	48.662	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.859	95	215757	43.716	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.440%
Target Compounds						
3) Chloromethane	2.377	50	1464	Below Cal	Qvalue	97
5) Bromomethane	2.983	94	1376	0.422 ug/l #		50
13) Acrolein	4.212	56	233	Below Cal #		46
16) Acetone	4.442	43	1096	0.757 ug/l #		85
19) Methyl tert-butyl Ether	5.812	73	5335	0.456 ug/l #		91
20) Methylene Chloride	5.271	84	531	Below Cal #		54
25) 2-Butanone	7.524	43	575	0.254 ug/l #		37
31) Cyclohexane	8.230	56	7757	1.240 ug/l #		46
36) 1,1-Dichloropropene	8.236	75	26394	4.970 ug/l #		48
38) Carbon Tetrachloride	8.230	117	34320	6.400 ug/l #		15
76) 1,2,3-Trichloropropane	12.853	75	114815	31.741 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	114815	101.460 ug/l #		15

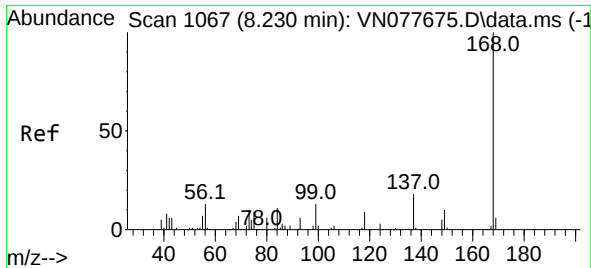
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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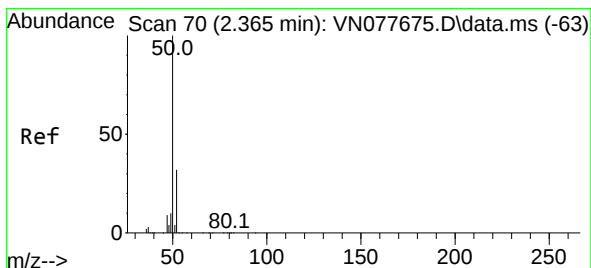
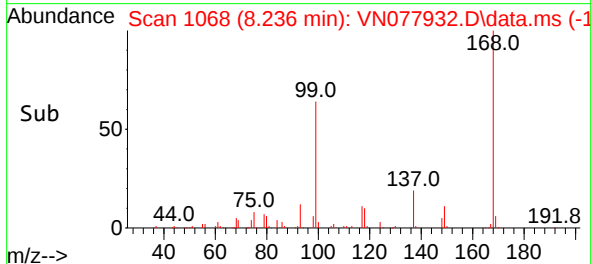
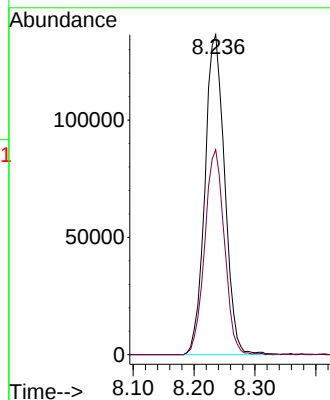
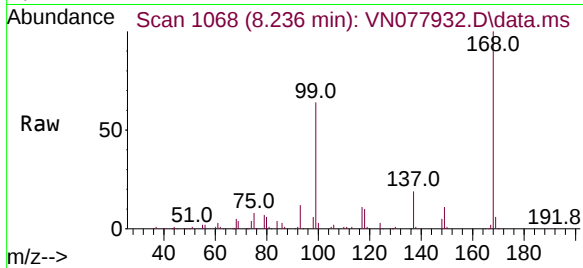




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

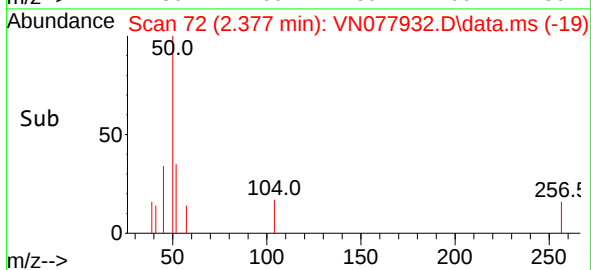
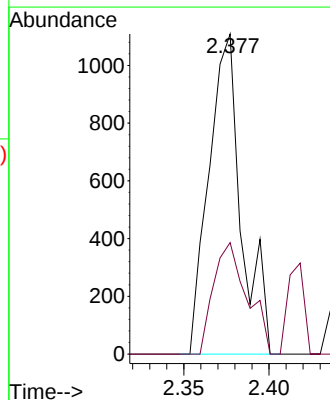
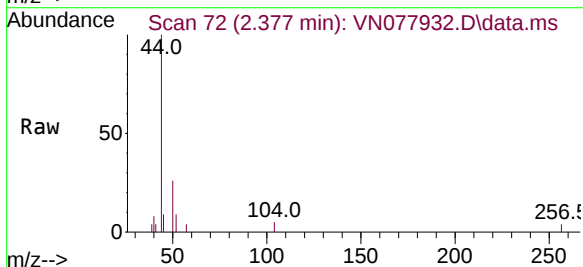
Instrument :
MSVOA_N
ClientSampleId :
DUP07

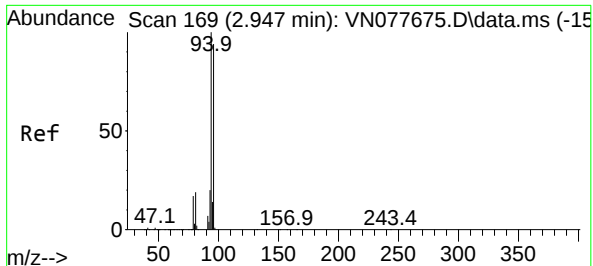
Tgt Ion:168 Resp: 307585
Ion Ratio Lower Upper
168 100
99 64.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Tgt Ion: 50 Resp: 1464
Ion Ratio Lower Upper
50 100
52 34.8 26.5 39.7

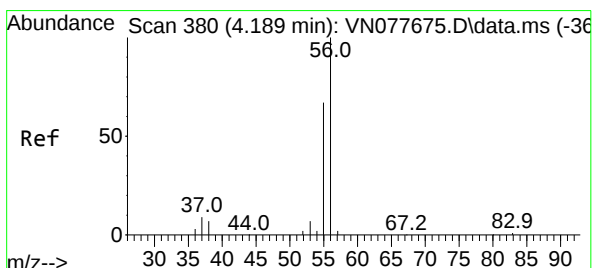
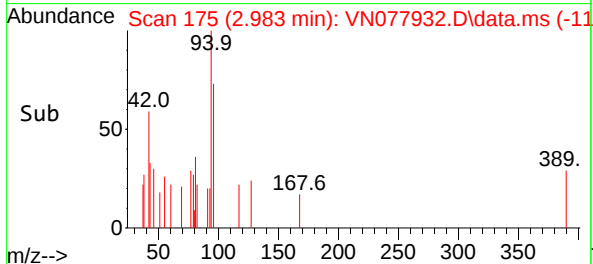
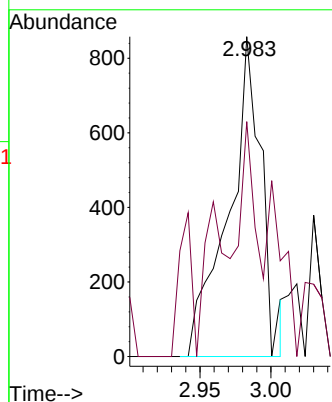
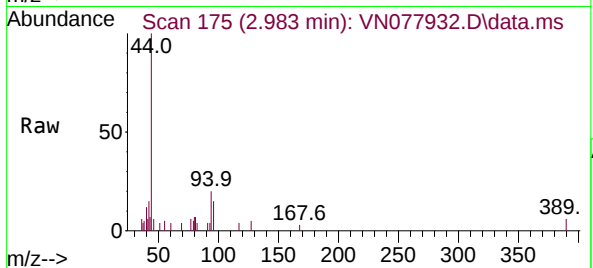




#5
Bromomethane
Concen: 0.422 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

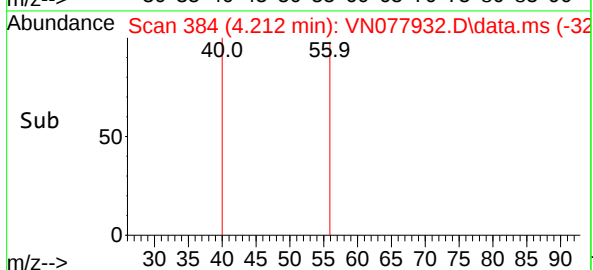
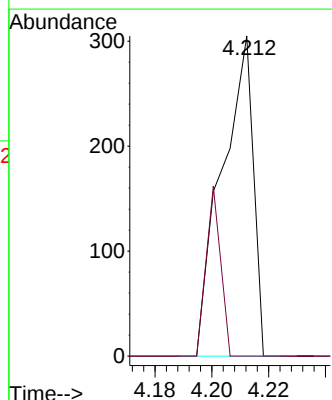
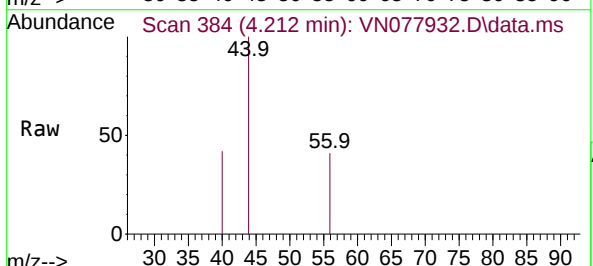
Instrument :
MSVOA_N
ClientSampleId :
DUP07

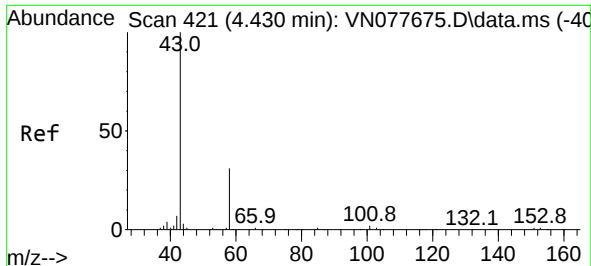
Tgt Ion: 94 Resp: 1376
Ion Ratio Lower Upper
94 100
96 43.5 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 384
Delta R.T. 0.023 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Tgt Ion: 56 Resp: 233
Ion Ratio Lower Upper
56 100
55 24.5 54.5 81.7#

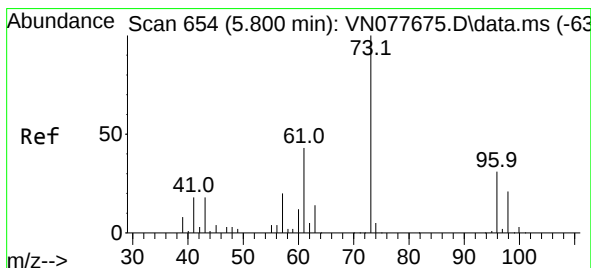
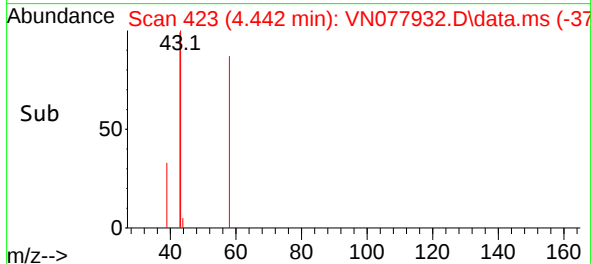
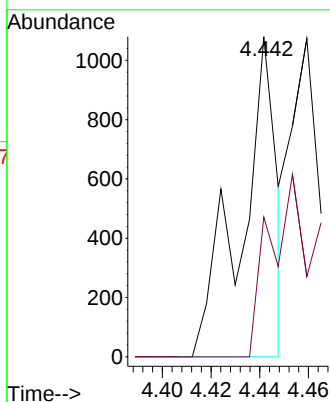
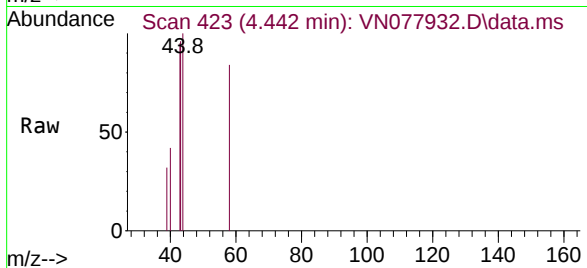




#16
Acetone
Concen: 0.757 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

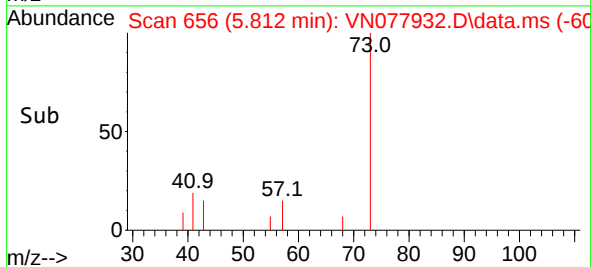
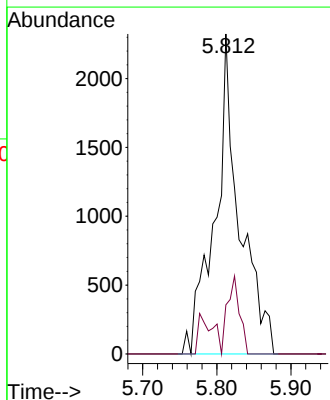
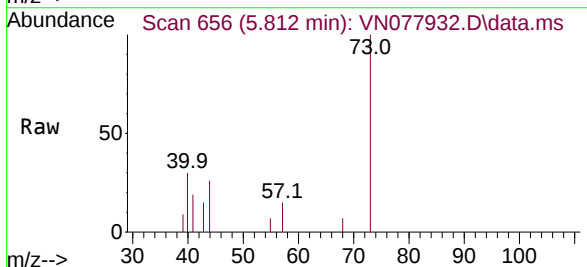
Instrument :
MSVOA_N
ClientSampleId :
DUP07

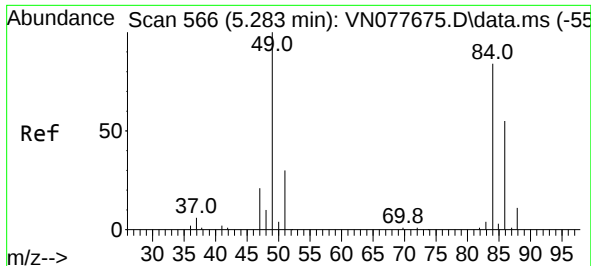
Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 43.6 28.0 42.0#



#19
Methyl tert-butyl Ether
Concen: 0.456 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.012 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Tgt Ion: 73 Resp: 5335
Ion Ratio Lower Upper
73 100
57 15.4 15.6 23.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.271 min Scan# 51

Delta R.T. -0.012 min

Lab File: VN077932.D

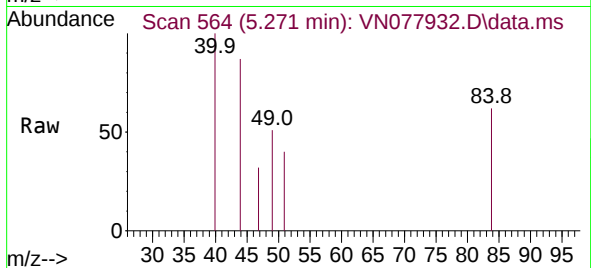
Acq: 26 May 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

DUP07



Tgt Ion: 84 Resp: 531

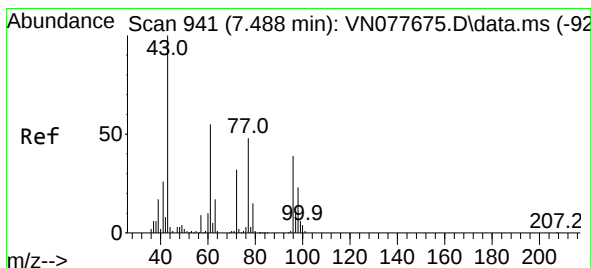
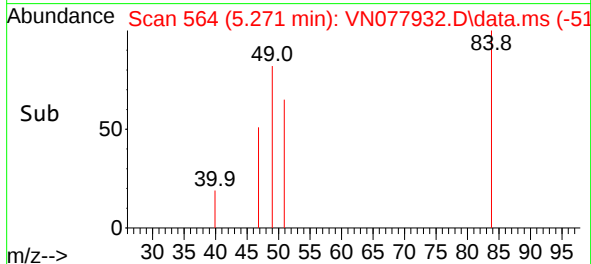
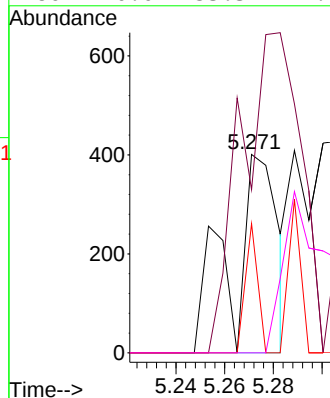
Ion Ratio Lower Upper

84 100

49 82.3 79.7 119.5

51 65.1 25.2 37.8#

86 0.0 53.3 79.9#



#25

2-Butanone

Concen: 0.254 ug/l

RT: 7.524 min Scan# 947

Delta R.T. 0.036 min

Lab File: VN077932.D

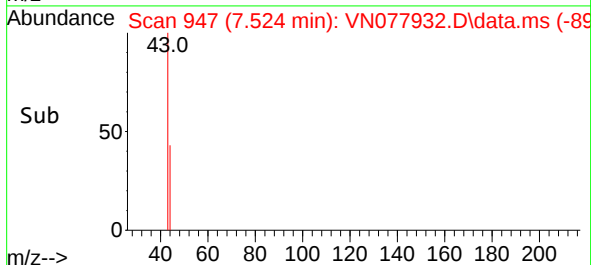
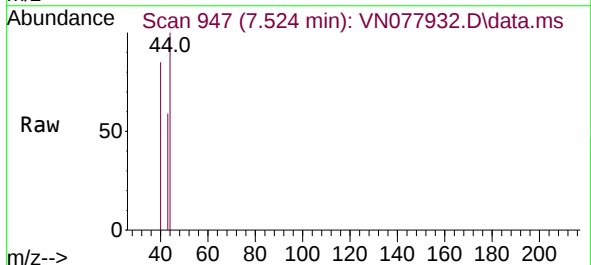
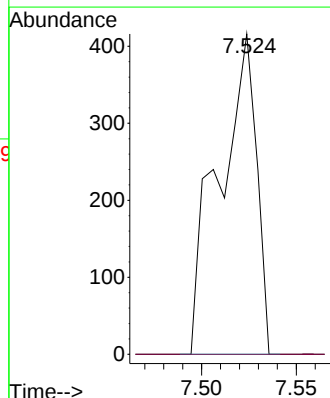
Acq: 26 May 2023 17:05

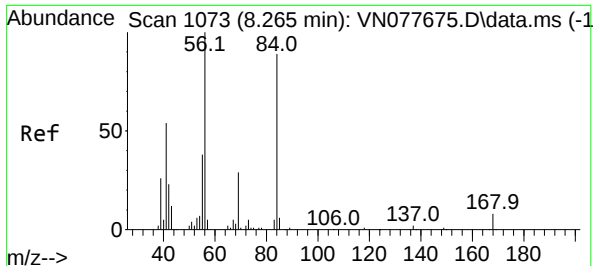
Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

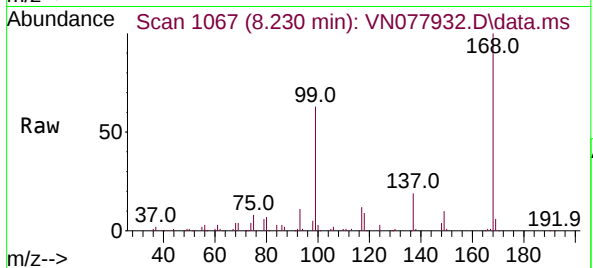
72 0.0 30.2 45.2#



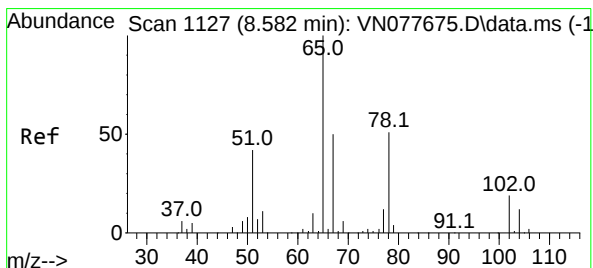
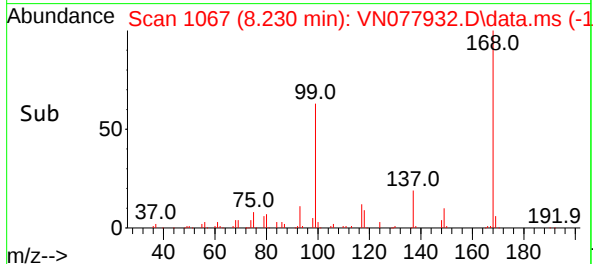
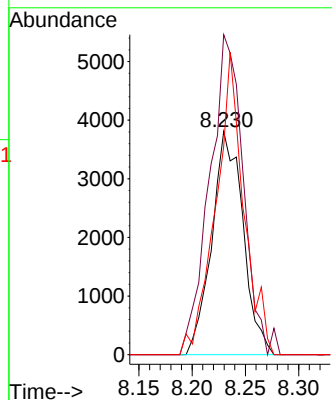


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
DUP07

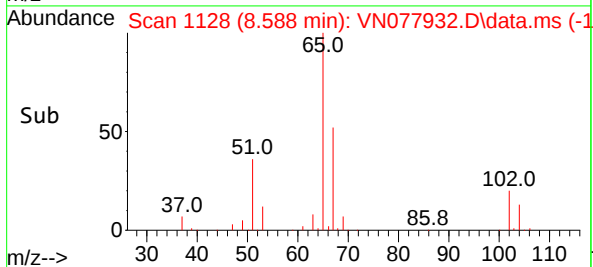
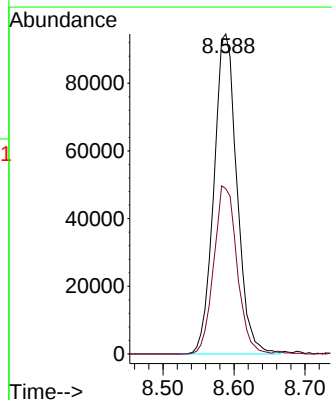
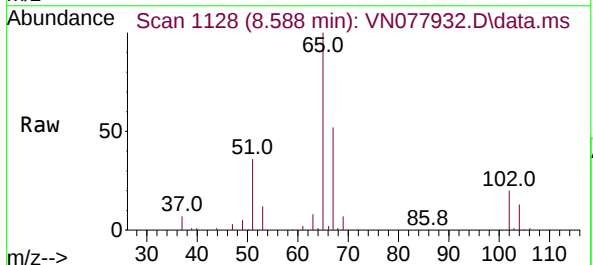


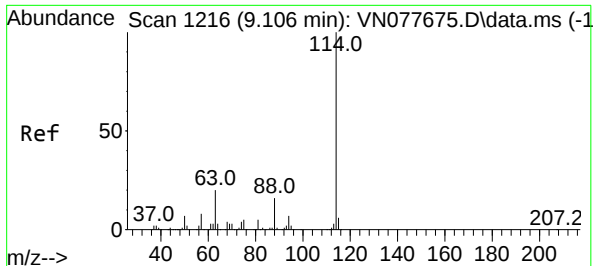
Tgt Ion: 56 Resp: 7757
Ion Ratio Lower Upper
56 100
69 143.4 26.8 40.2#
84 93.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 46.195 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Tgt Ion: 65 Resp: 212601
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077932.D

Acq: 26 May 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

DUP07

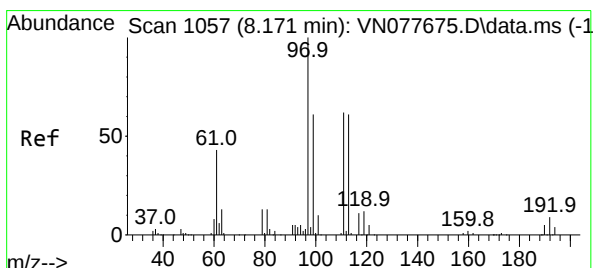
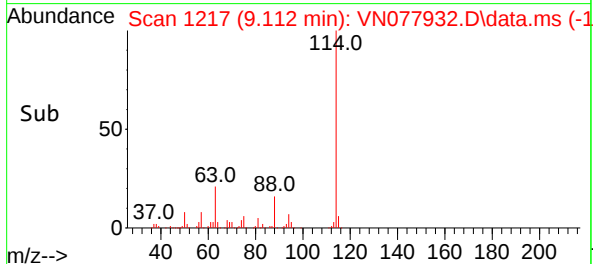
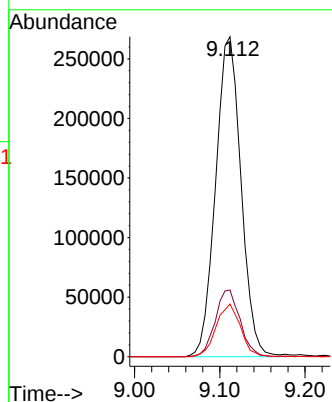
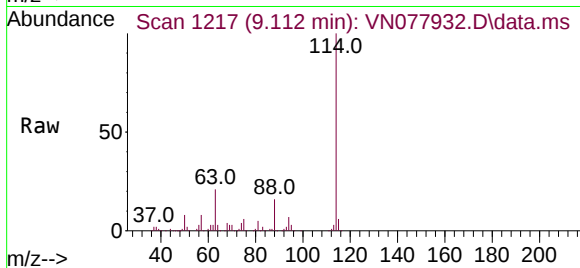
Tgt Ion:114 Resp: 556760

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 16.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.148 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077932.D

Acq: 26 May 2023 17:05

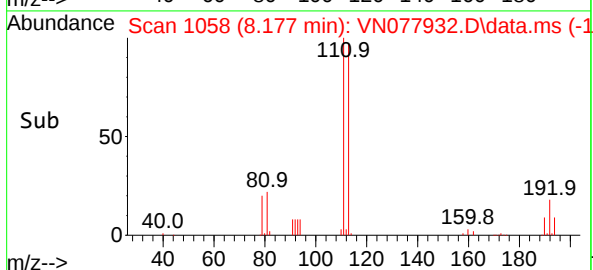
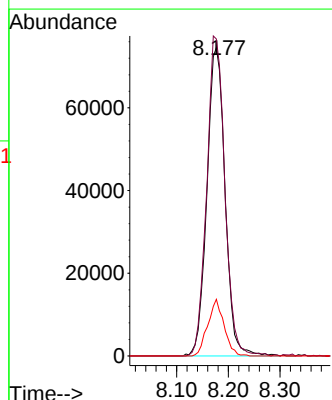
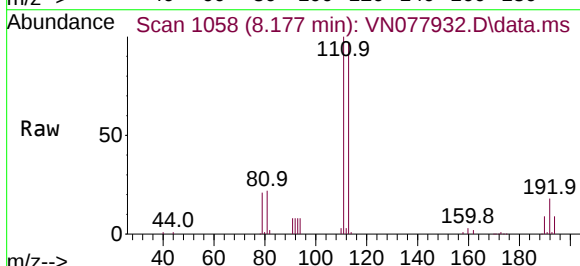
Tgt Ion:113 Resp: 182064

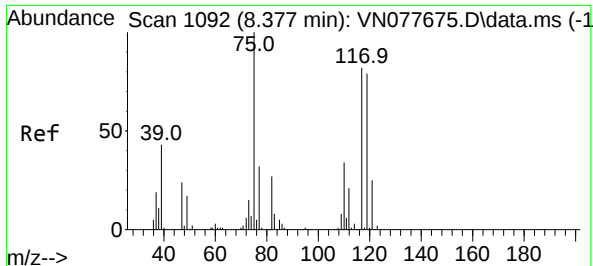
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 16.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.970 ug/l

RT: 8.236 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077932.D

Acq: 26 May 2023 17:05

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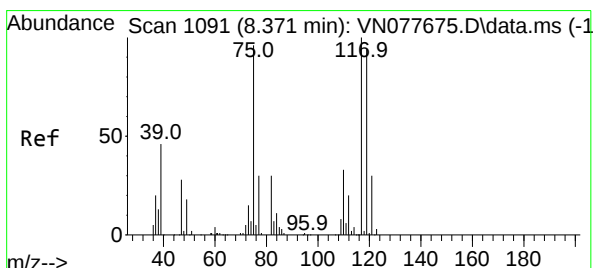
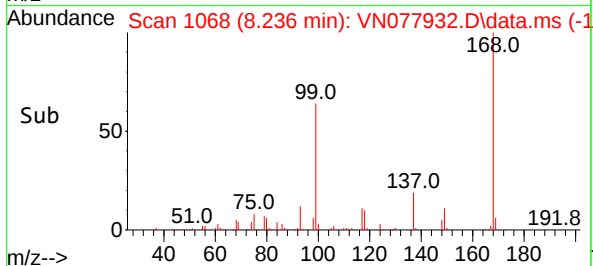
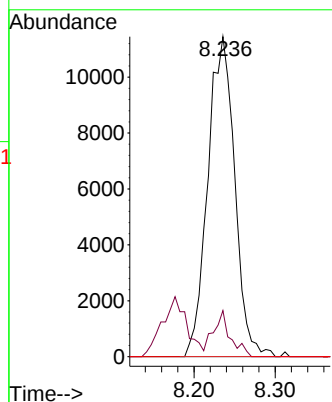
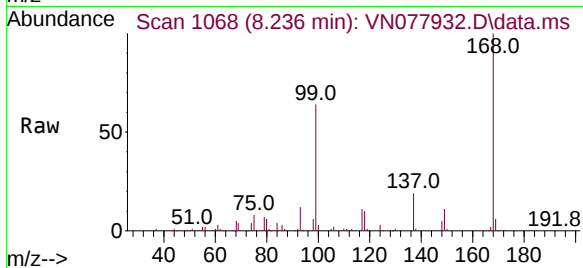
Tgt Ion: 75 Resp: 26394

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.400 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077932.D

Acq: 26 May 2023 17:05

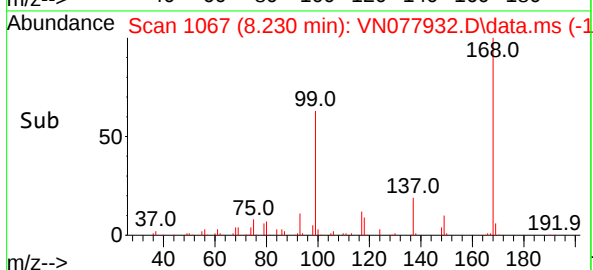
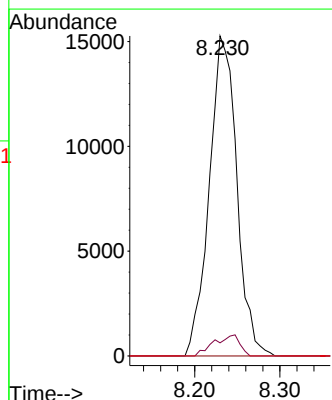
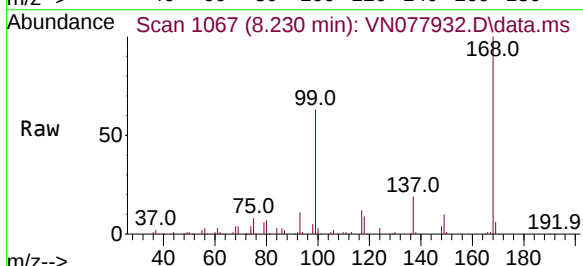
Tgt Ion: 117 Resp: 34320

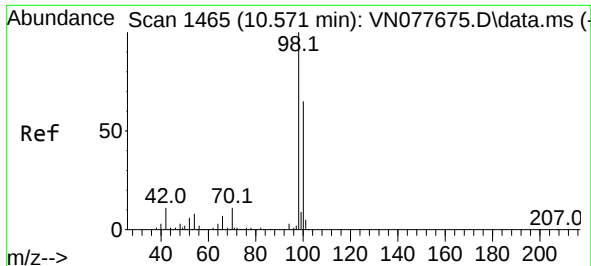
Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

121 0.0 23.3 34.9#

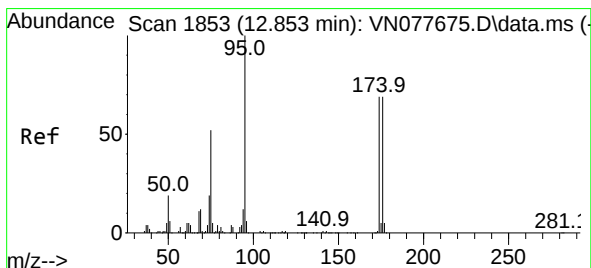
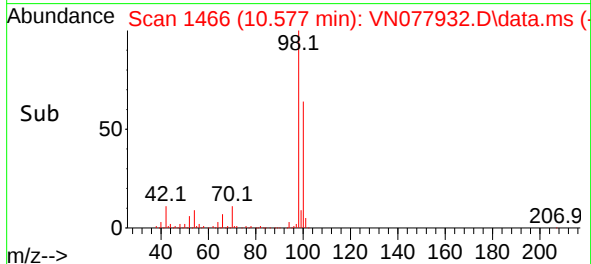
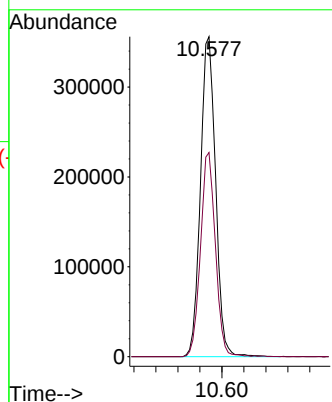
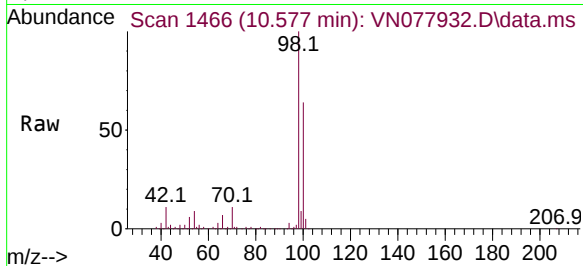




#50
Toluene-d8
Concen: 48.662 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

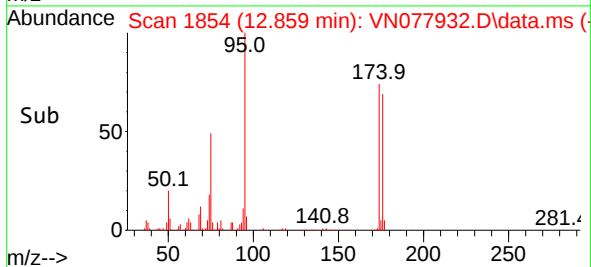
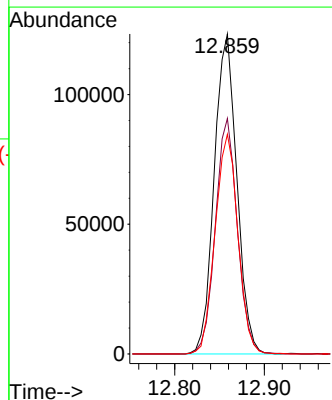
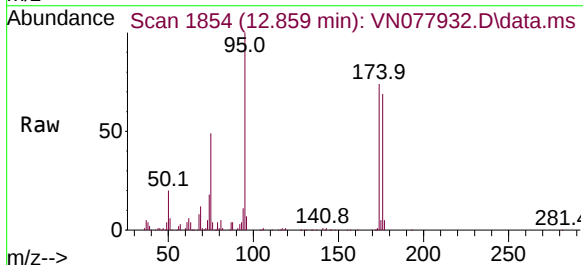
Instrument :
MSVOA_N
ClientSampleId :
DUP07

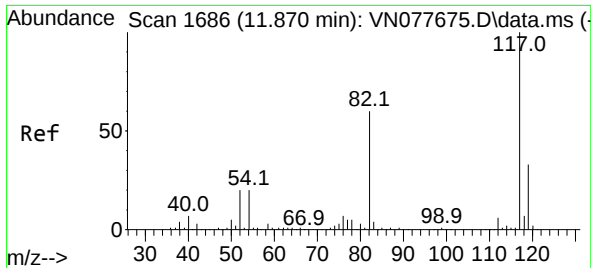
Tgt Ion: 98 Resp: 680023
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.716 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Tgt Ion: 95 Resp: 215757
Ion Ratio Lower Upper
95 100
174 71.5 0.0 143.8
176 69.3 0.0 135.8

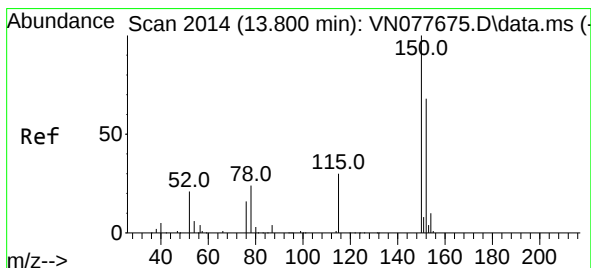
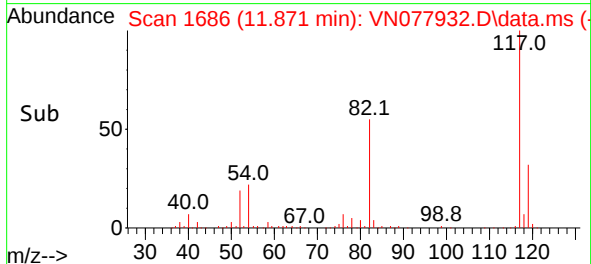
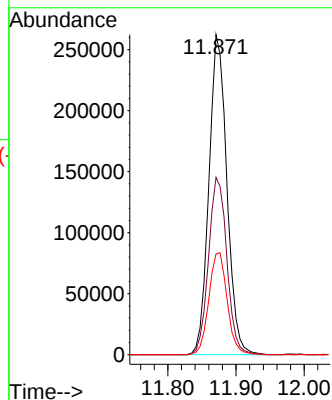
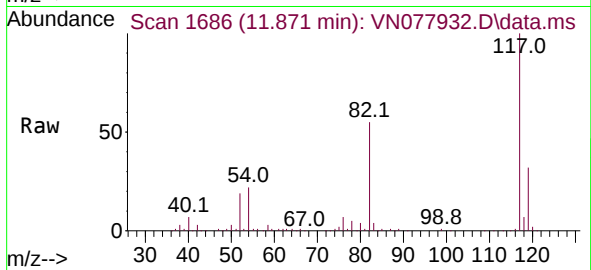




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

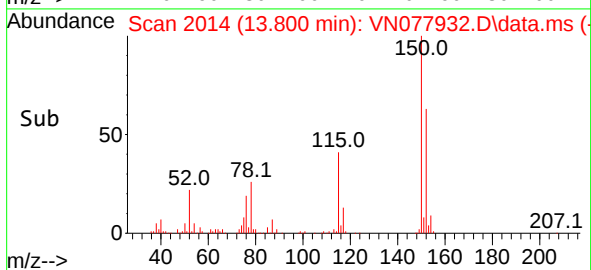
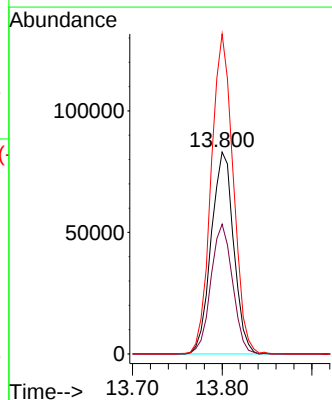
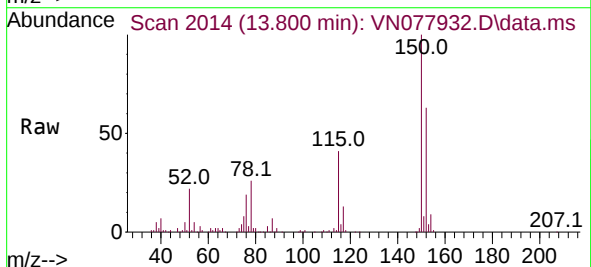
Instrument :
MSVOA_N
ClientSampleId :
DUP07

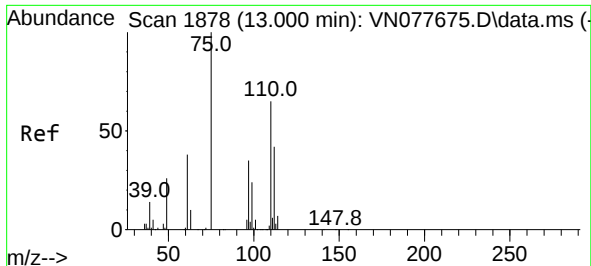
Tgt Ion:117 Resp: 481115
Ion Ratio Lower Upper
117 100
82 55.4 44.0 66.0
119 31.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Tgt Ion:152 Resp: 144439
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 155.4 0.0 355.8

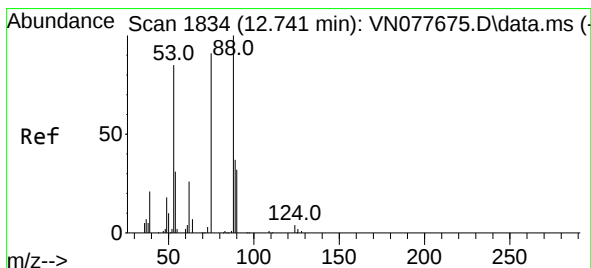
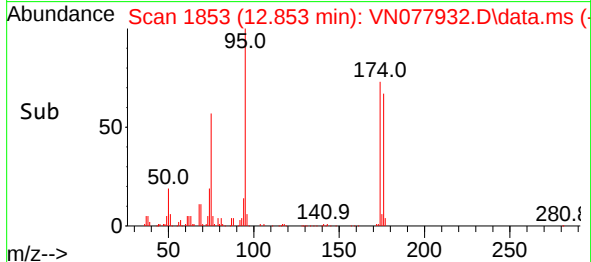
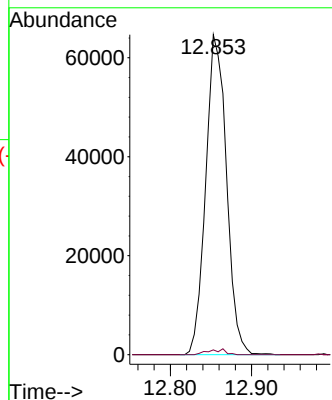
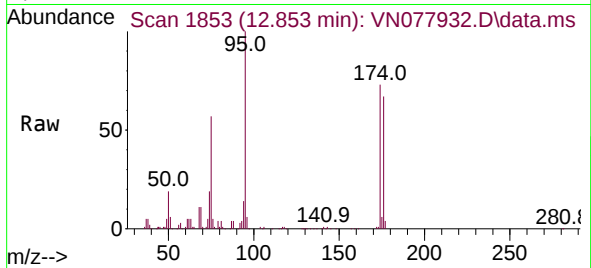




#76
1,2,3-Trichloropropane
Concen: 31.741 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
DUP07

Tgt Ion: 75 Resp: 114815
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.460 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077932.D
Acq: 26 May 2023 17:05

Tgt Ion: 75 Resp: 114815
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

