

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077933.D
 Acq On : 26 May 2023 17:29
 Operator : JC\MD
 Sample : 02988-02 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW36BR-20230522

Quant Time: May 29 00:31:27 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)

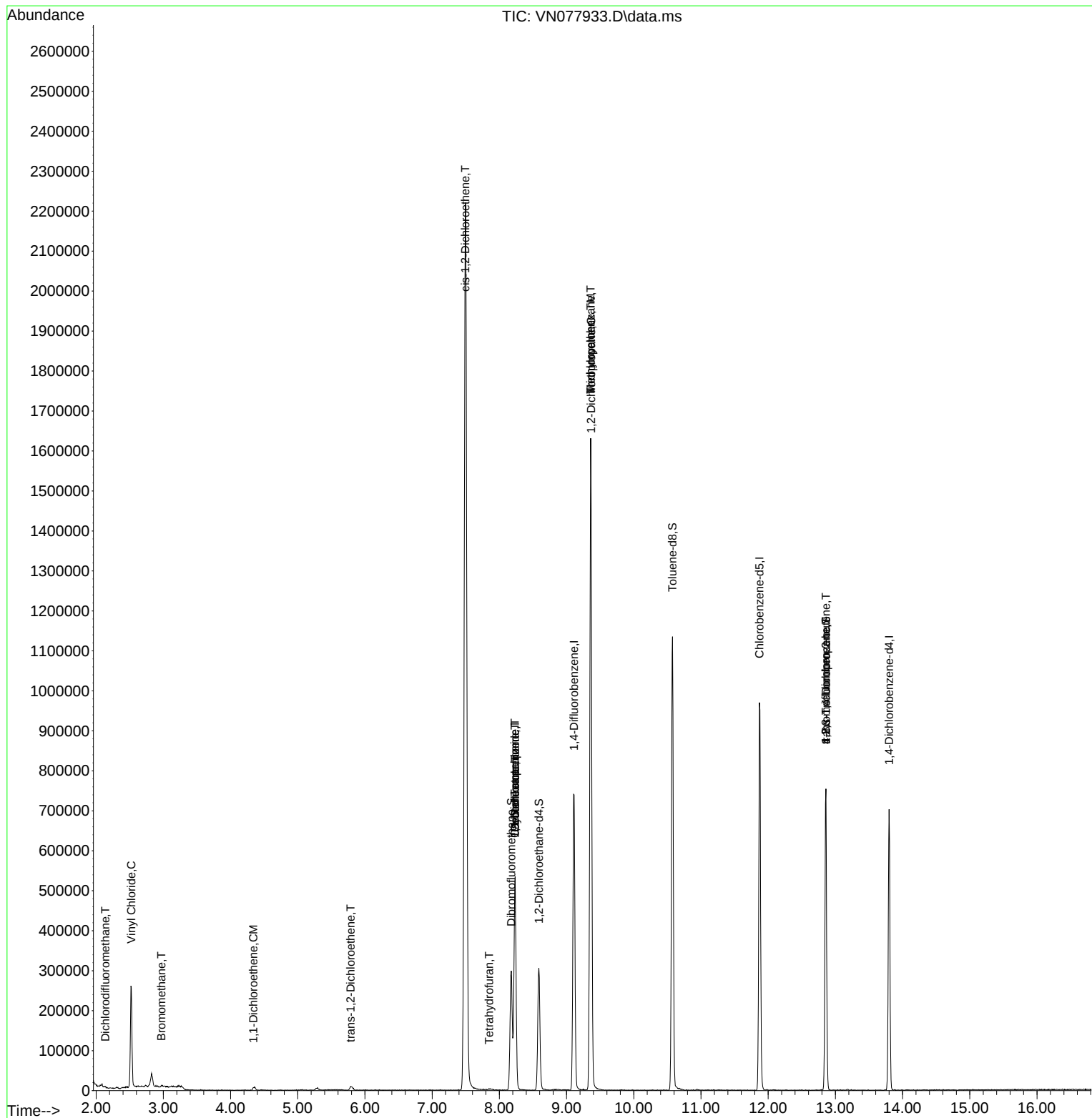
Internal Standards						
1) Pentafluorobenzene	8.236	168	374475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	674621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	588519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	191270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	253641	45.268	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.540%
35) Dibromofluoromethane	8.177	113	216118	49.127	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.260%
50) Toluene-d8	10.577	98	837324	49.451	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.900%
62) 4-Bromofluorobenzene	12.859	95	270065	45.160	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	1808	0.424	ug/l	99
3) Chloromethane	2.377	50	1168	Below Cal	#	42
4) Vinyl Chloride	2.524	62	249190	46.377	ug/l	94
5) Bromomethane	2.971	94	1065	0.268	ug/l	90
12) 1,1-Dichloroethene	4.342	96	2479	0.629	ug/l	94
13) Acrolein	4.195	56	114	Below Cal	#	30
20) Methylene Chloride	5.295	84	3050	Below Cal	#	85
21) trans-1,2-Dichloroethene	5.789	96	3308	0.748	ug/l	92
27) cis-1,2-Dichloroethene	7.494	96	1374856	259.169	ug/l	98
29) Tetrahydrofuran	7.847	42	1024	0.567	ug/l	# 73
31) Cyclohexane	8.236	56	9600	1.261	ug/l	# 55
36) 1,1-Dichloropropene	8.230	75	31866	4.952	ug/l	# 46
38) Carbon Tetrachloride	8.230	117	39739	6.116	ug/l	# 16
39) Methylcyclohexane	9.359	83	8189	1.040	ug/l	# 1
44) Trichloroethene	9.359	130	570255	118.609	ug/l	99
45) 1,2-Dichloropropane	9.365	63	1625	0.336	ug/l	# 1
76) 1,2,3-Trichloropropane	12.859	75	143583	29.975	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.859	75	143583	95.816	ug/l	# 15

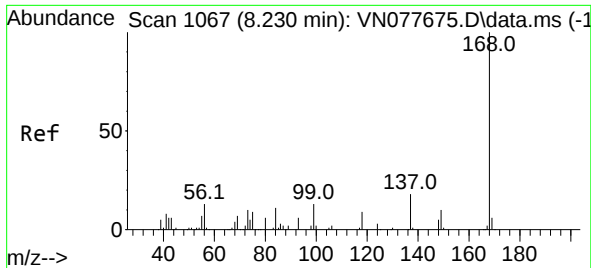
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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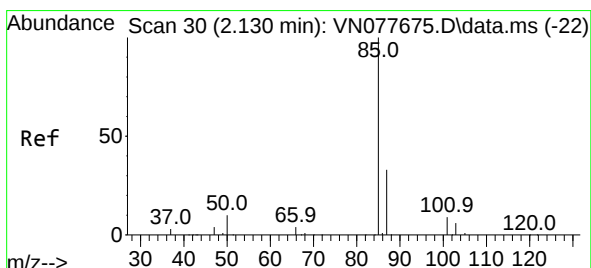
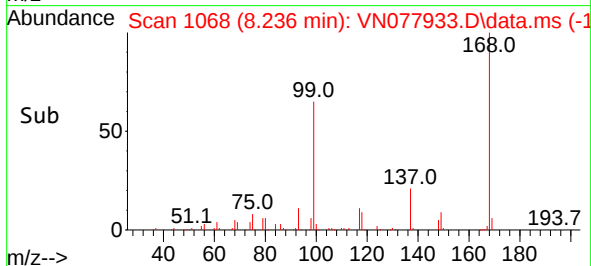
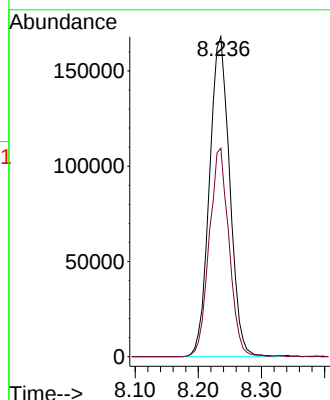
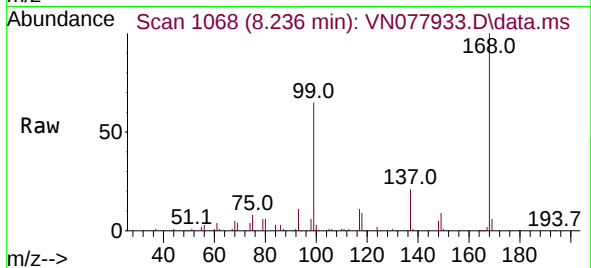




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

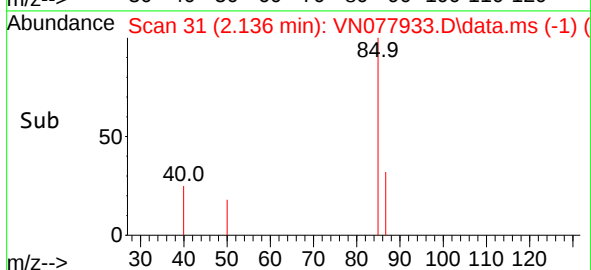
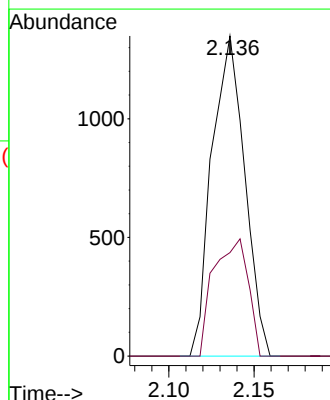
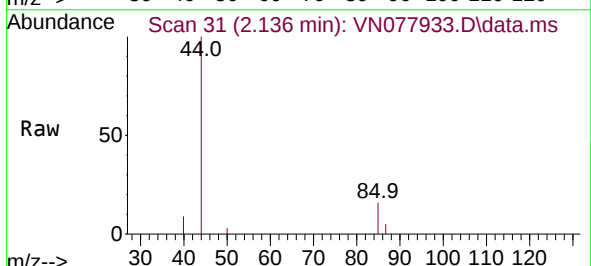
Instrument :
MSVOA_N
ClientSampleId :
MW36BR-20230522

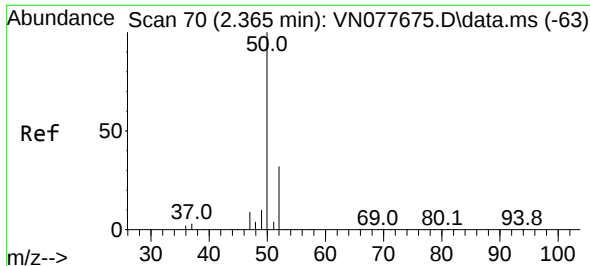
Tgt Ion:168 Resp: 374475
Ion Ratio Lower Upper
168 100
99 65.2 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.424 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion: 85 Resp: 1808
Ion Ratio Lower Upper
85 100
87 32.3 15.8 47.4

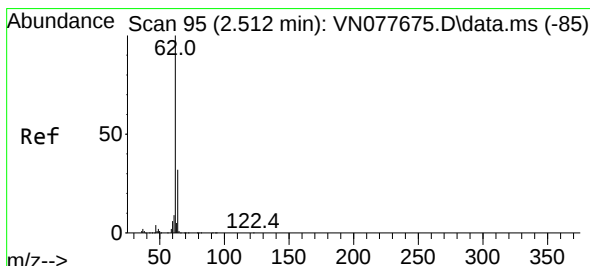
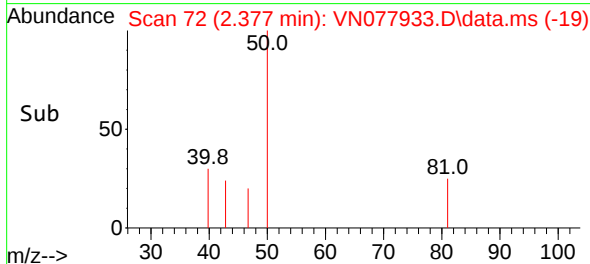
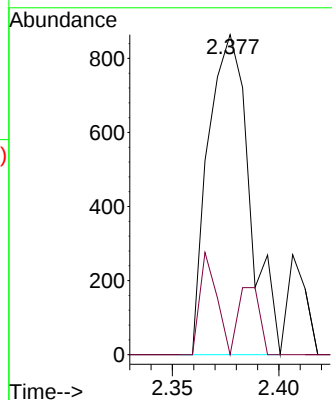
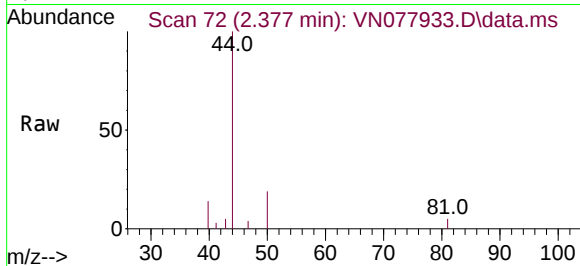




#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

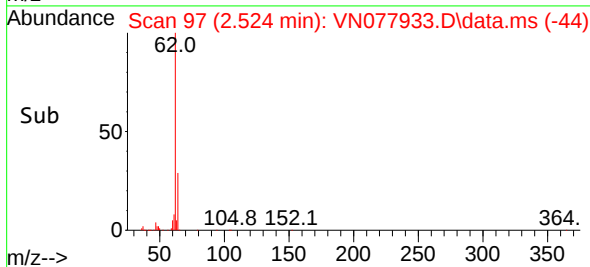
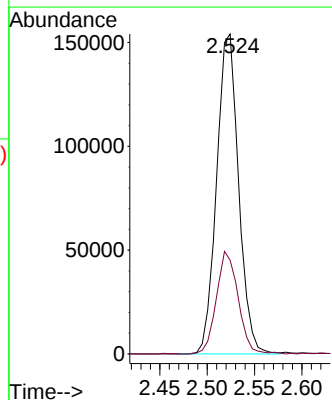
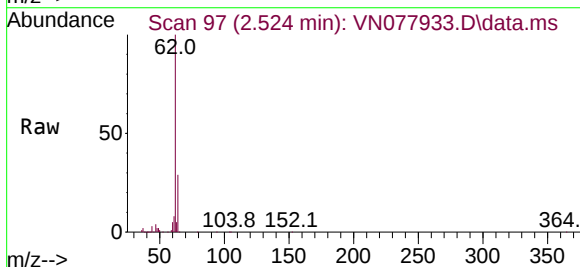
Instrument :
MSVOA_N
ClientSampleId :
MW36BR-20230522

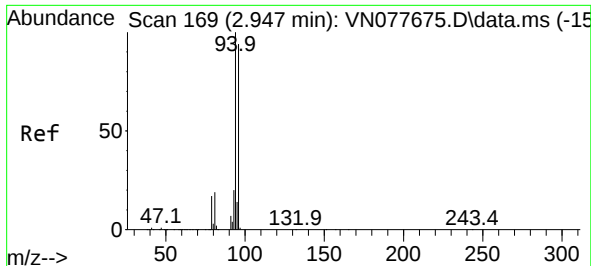
Tgt Ion: 50 Resp: 1168
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



#4
Vinyl Chloride
Concen: 46.377 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.012 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion: 62 Resp: 249190
Ion Ratio Lower Upper
62 100
64 29.3 26.2 39.2

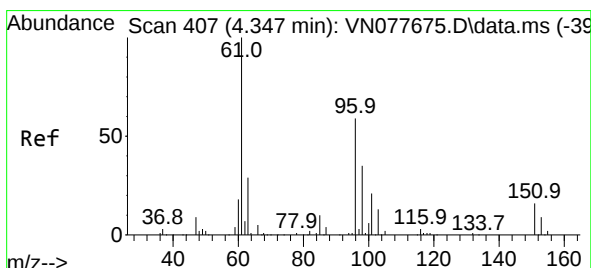
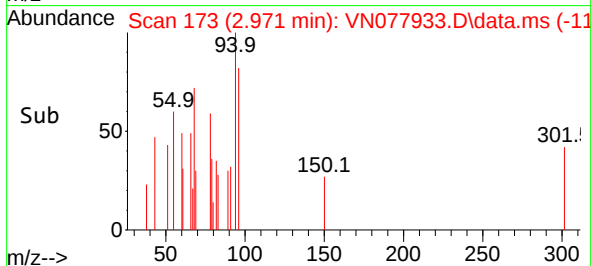
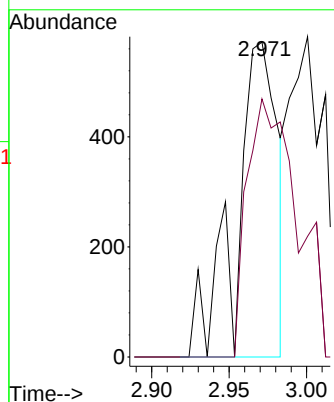
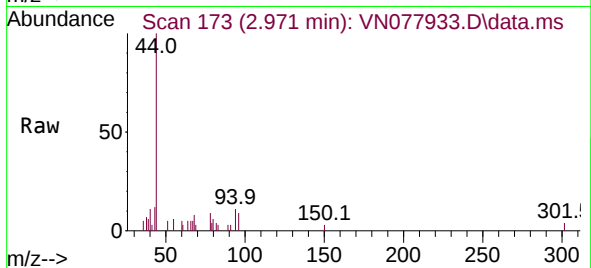




#5
Bromomethane
Concen: 0.268 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

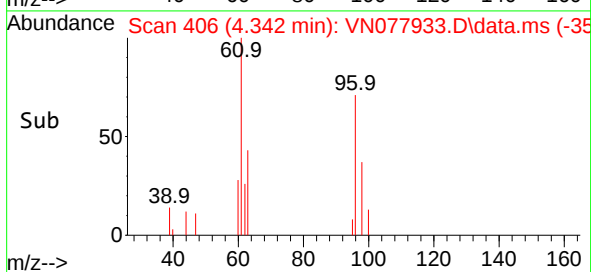
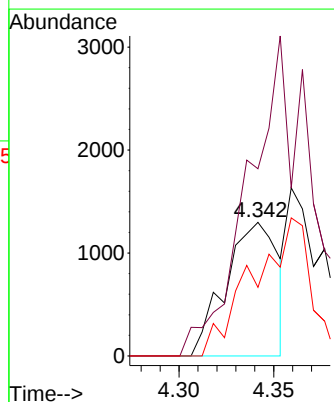
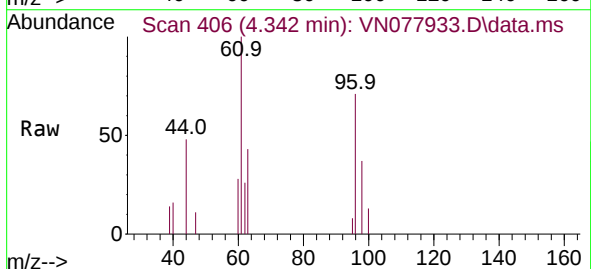
Instrument :
MSVOA_N
ClientSampleId :
MW36BR-20230522

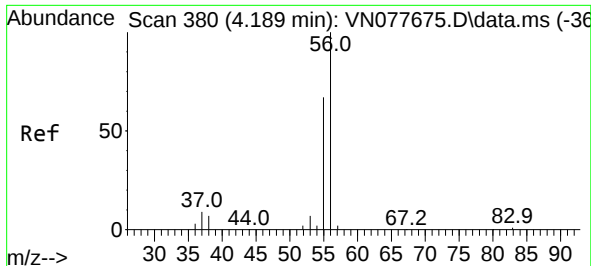
Tgt Ion: 94 Resp: 1065
Ion Ratio Lower Upper
94 100
96 82.0 73.1 109.7



#12
1,1-Dichloroethene
Concen: 0.629 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.005 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion: 96 Resp: 2479
Ion Ratio Lower Upper
96 100
61 140.1 112.7 169.1
98 51.4 51.2 76.8





#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 3

Delta R.T. 0.006 min

Lab File: VN077933.D

Acq: 26 May 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

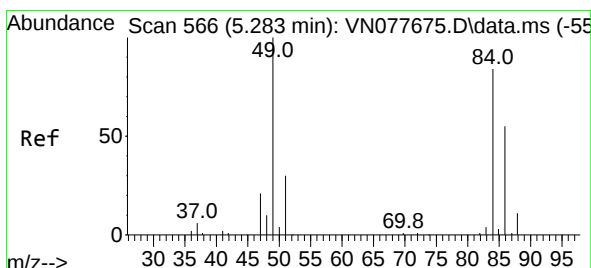
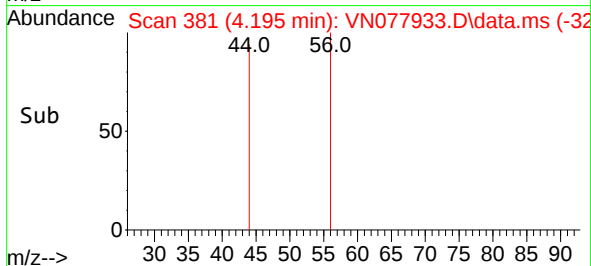
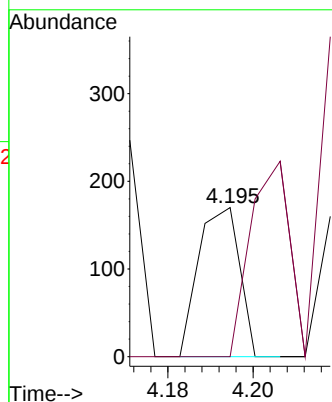
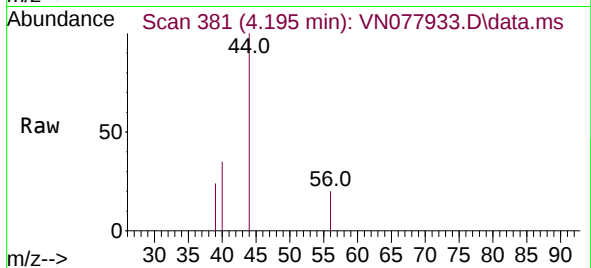
MW36BR-20230522

Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 124.6 54.5 81.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.295 min Scan# 568

Delta R.T. 0.012 min

Lab File: VN077933.D

Acq: 26 May 2023 17:29

Tgt Ion: 84 Resp: 3050

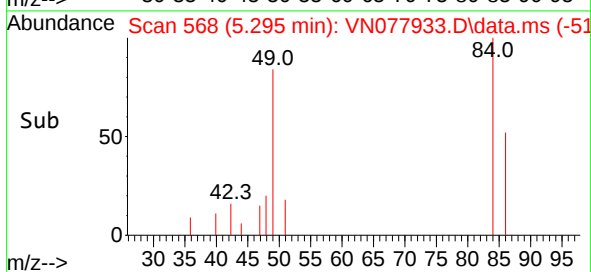
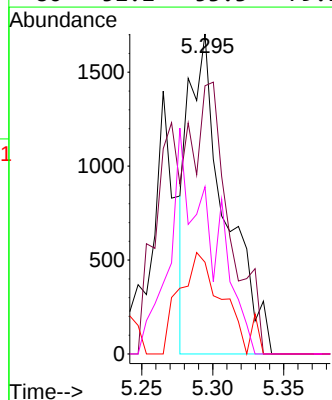
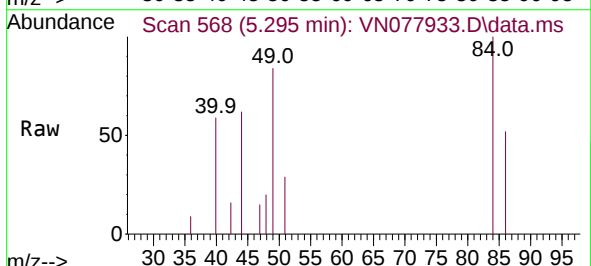
Ion Ratio Lower Upper

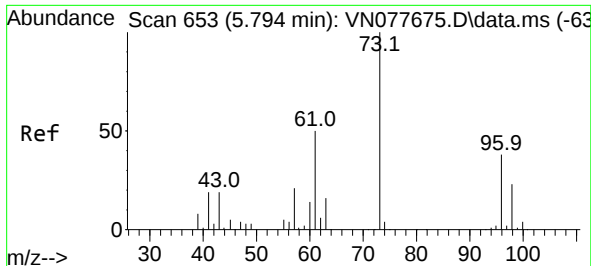
84 100

49 83.8 79.7 119.5

51 28.6 25.2 37.8

86 52.2 53.3 79.9#

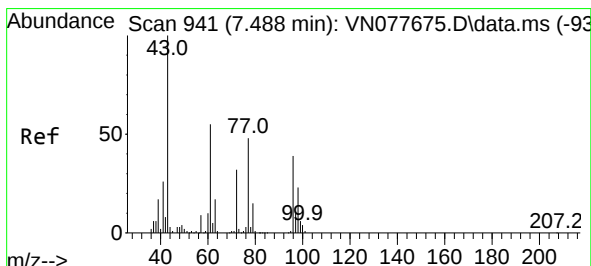
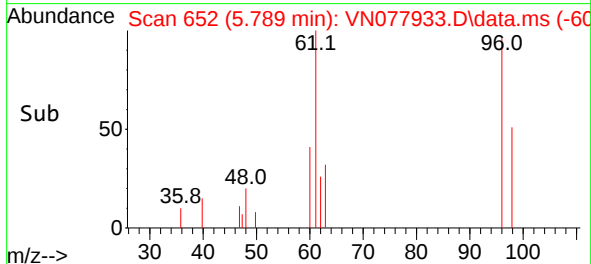
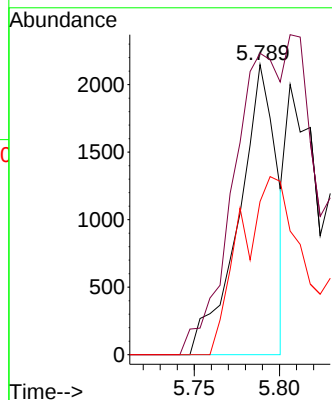
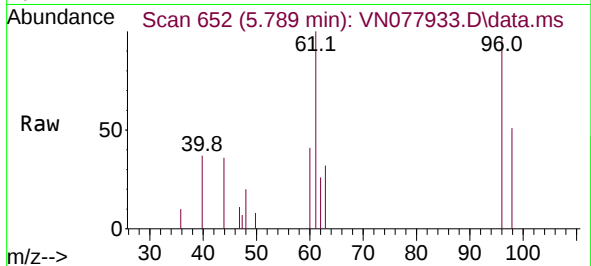




#21
trans-1,2-Dichloroethene
Concen: 0.748 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

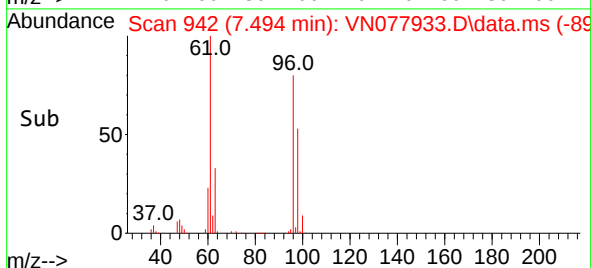
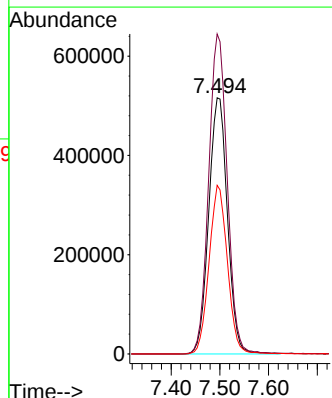
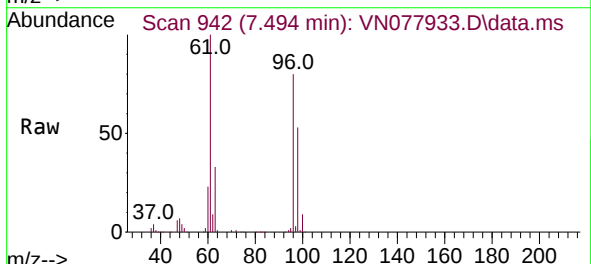
Instrument :
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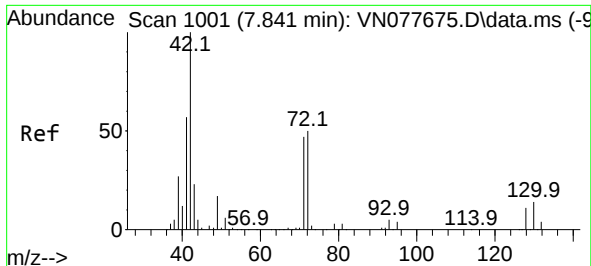
Tgt Ion: 96 Resp: 3308
Ion Ratio Lower Upper
96 100
61 103.9 90.1 135.1
98 52.8 46.4 69.6



#27
cis-1,2-Dichloroethene
Concen: 259.169 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion: 96 Resp: 1374856
Ion Ratio Lower Upper
96 100
61 124.0 0.0 255.2
98 64.4 0.0 128.8





#29

Tetrahydrofuran

Concen: 0.567 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN077933.D

Acq: 26 May 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

MW36BR-20230522

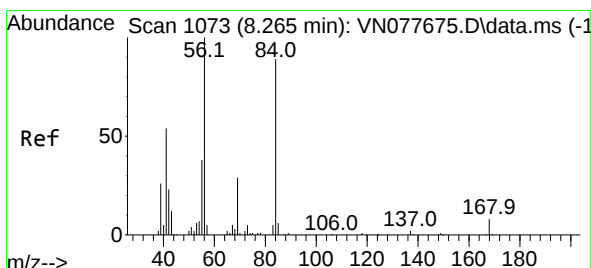
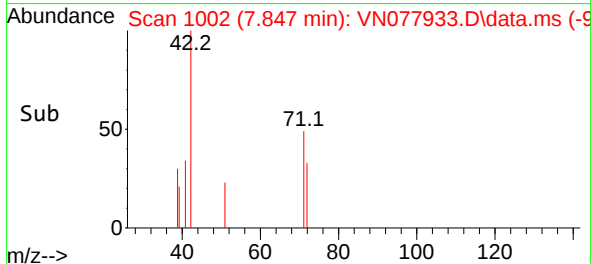
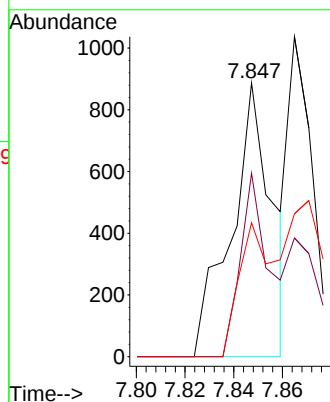
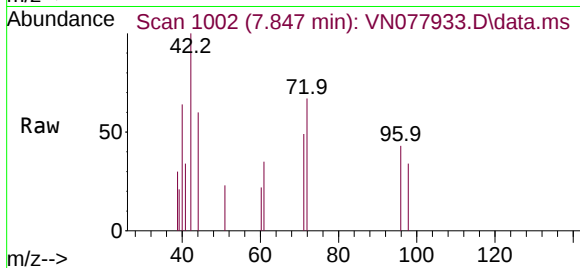
Tgt Ion: 42 Resp: 1024

Ion Ratio Lower Upper

42 100

72 47.3 49.8 74.6#

71 33.5 47.4 71.2#



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN077933.D

Acq: 26 May 2023 17:29

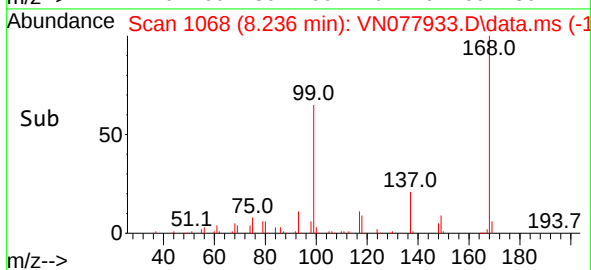
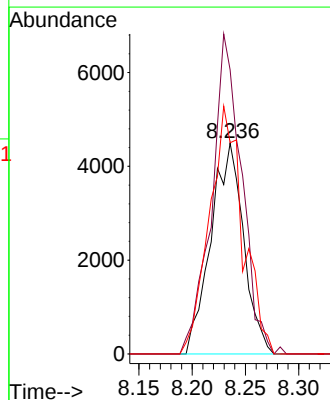
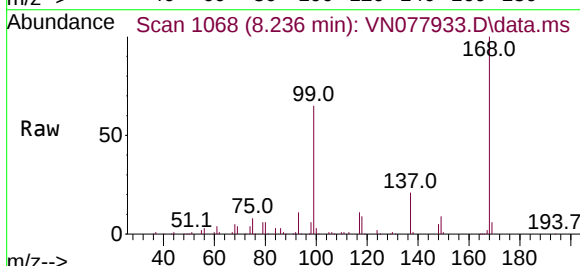
Tgt Ion: 56 Resp: 9600

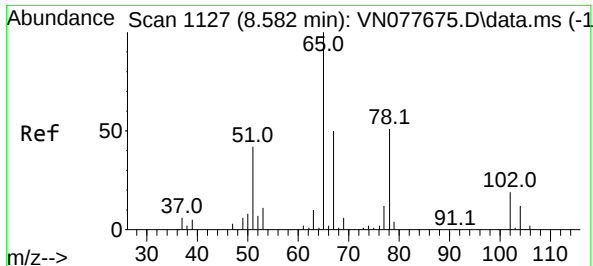
Ion Ratio Lower Upper

56 100

69 134.7 26.8 40.2#

84 100.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 45.268 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077933.D

Acq: 26 May 2023 17:29

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ClientSampleId :

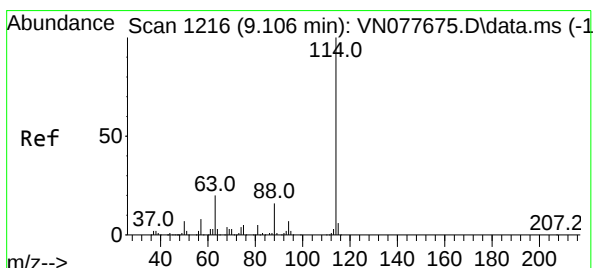
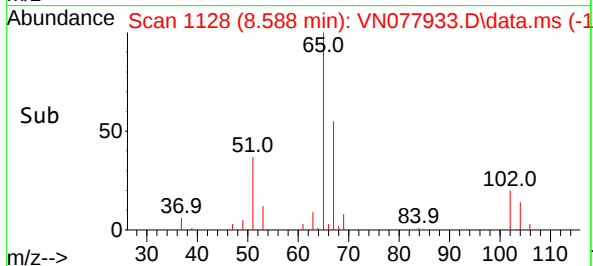
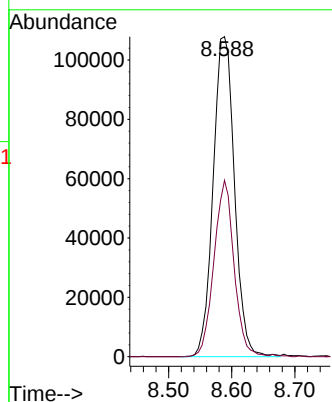
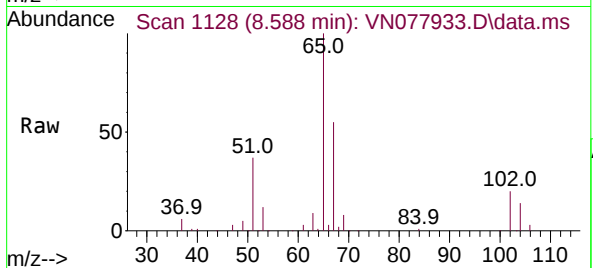
MW36BR-20230522

Tgt Ion: 65 Resp: 253641

Ion Ratio Lower Upper

65 100

67 51.8 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: VN077933.D

Acq: 26 May 2023 17:29

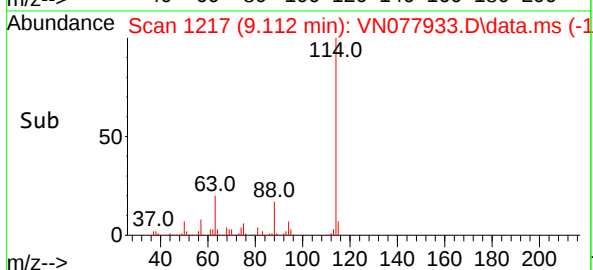
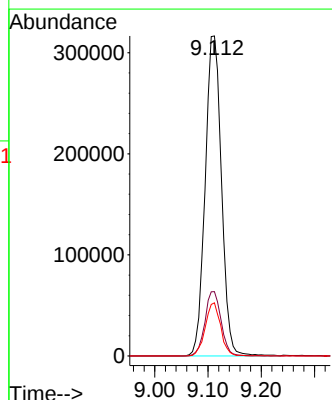
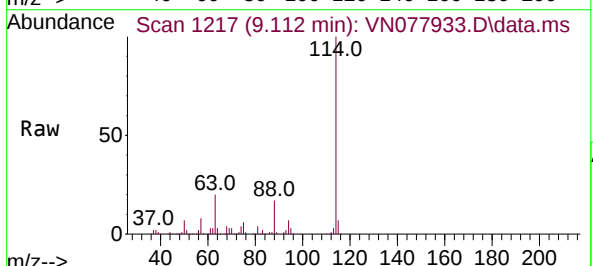
Tgt Ion: 114 Resp: 674621

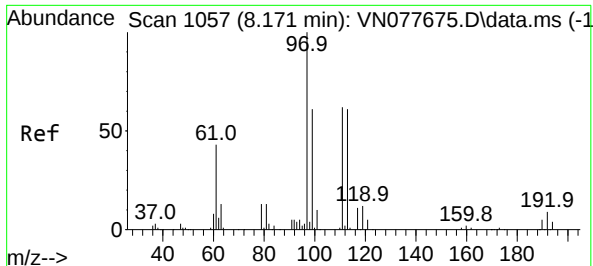
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 16.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.127 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077933.D

Acq: 26 May 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

MW36BR-20230522

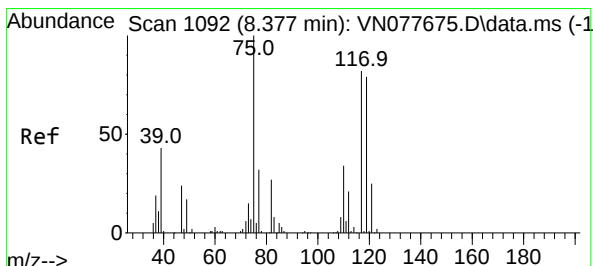
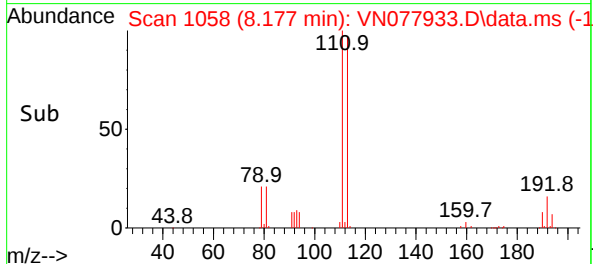
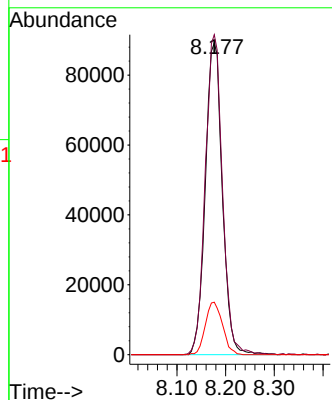
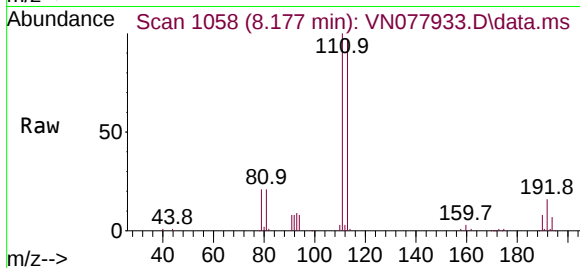
Tgt Ion:113 Resp: 216118

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 16.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.952 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077933.D

Acq: 26 May 2023 17:29

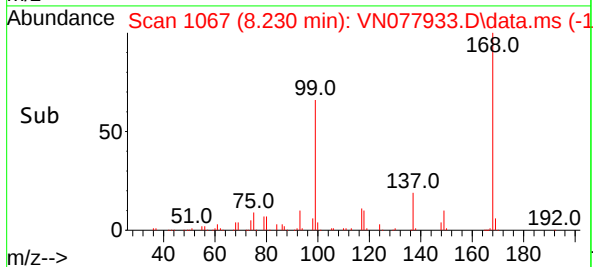
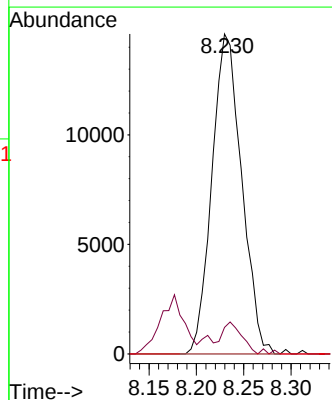
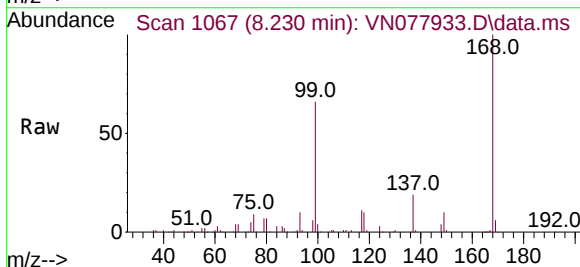
Tgt Ion: 75 Resp: 31866

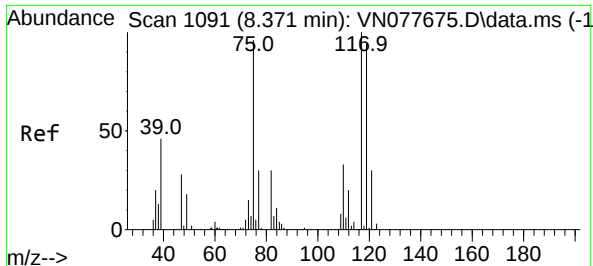
Ion Ratio Lower Upper

75 100

110 6.7 19.1 57.3#

77 0.0 25.0 37.4#

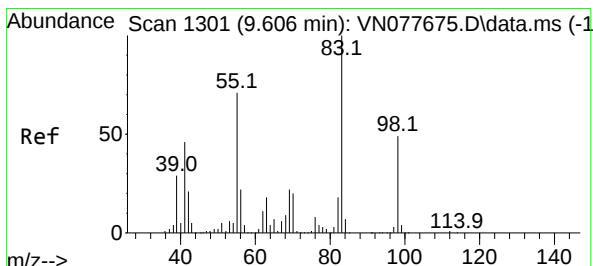
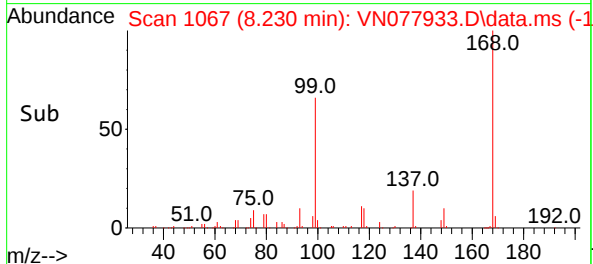
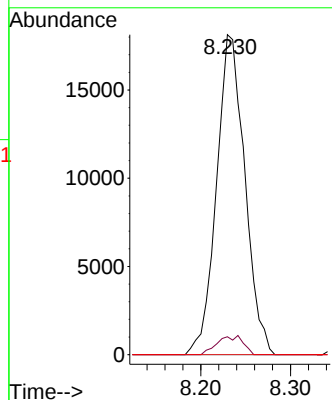
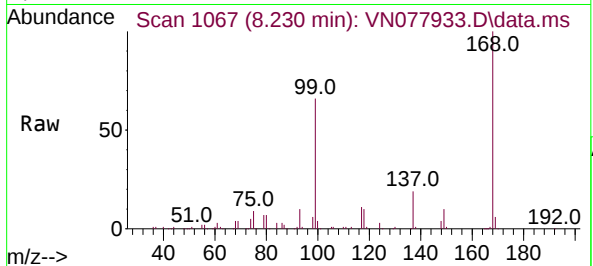




#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.141 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

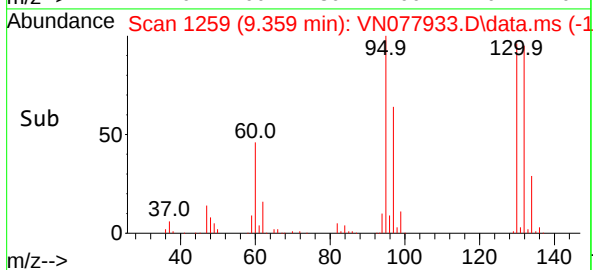
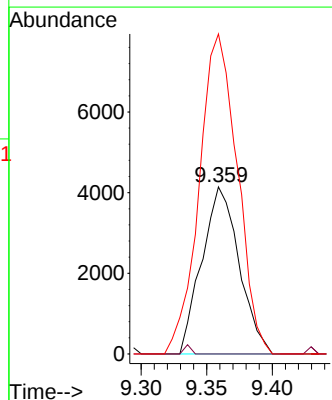
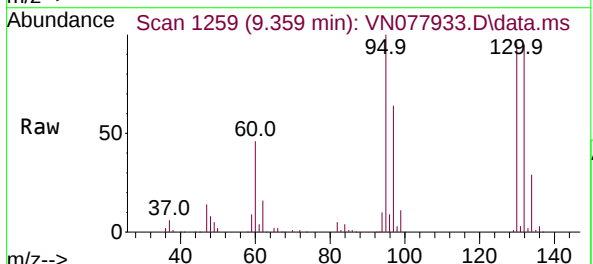
Instrument :
MSVOA_N
ClientSampleId :
MW36BR-20230522

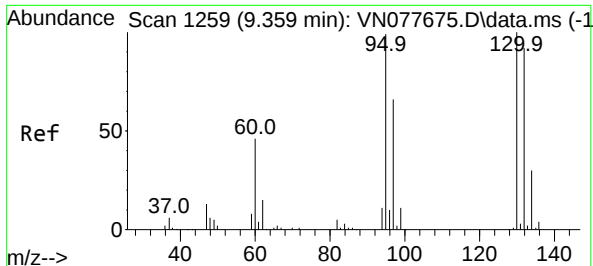
Tgt Ion:117 Resp: 39739
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 1.040 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.247 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion: 83 Resp: 8189
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 191.6 40.6 61.0#

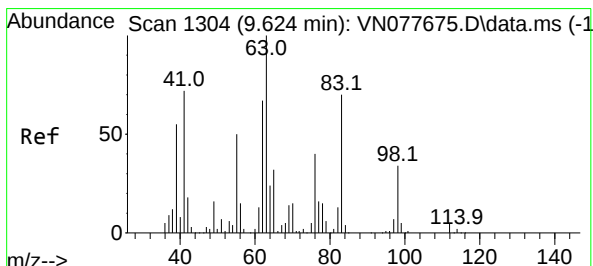
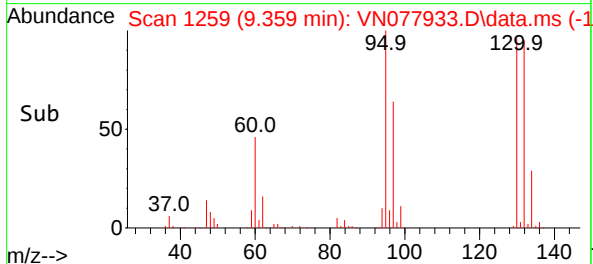
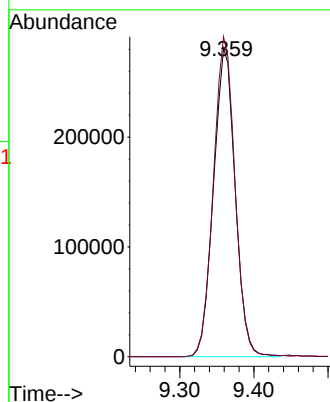
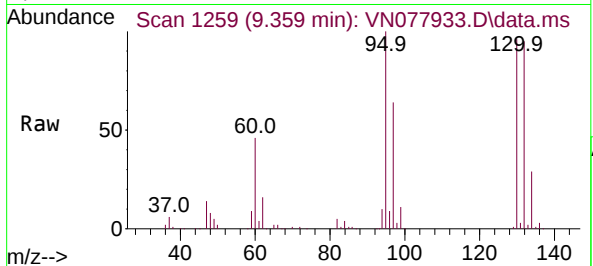




#44
Trichloroethene
Concen: 118.609 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

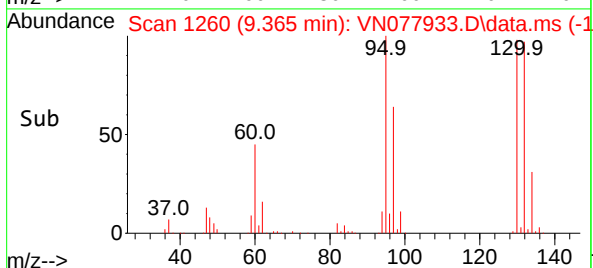
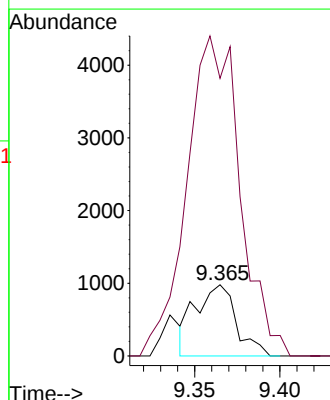
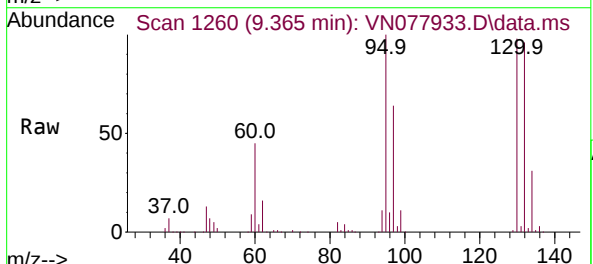
Instrument :
MSVOA_N
ClientSampleId :
MW36BR-20230522

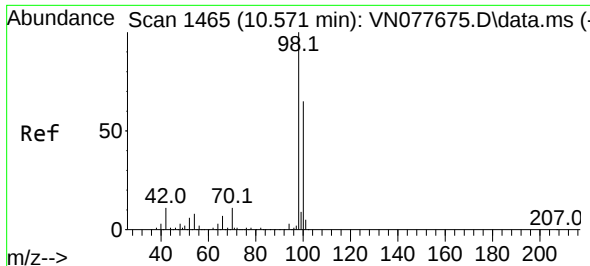
Tgt Ion:130 Resp: 570255
Ion Ratio Lower Upper
130 100
95 103.7 0.0 204.6



#45
1,2-Dichloropropane
Concen: 0.336 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. -0.259 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion: 63 Resp: 1625
Ion Ratio Lower Upper
63 100
65 361.3 23.9 35.9#

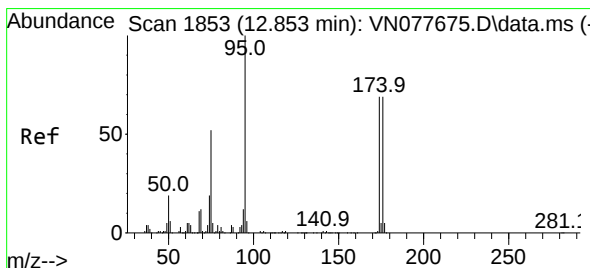
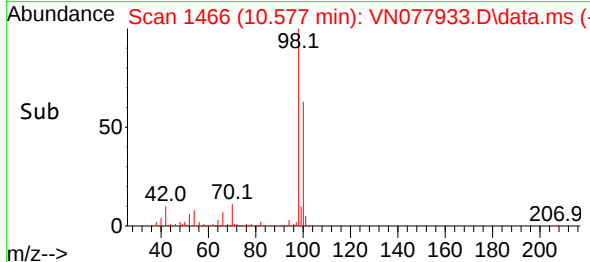
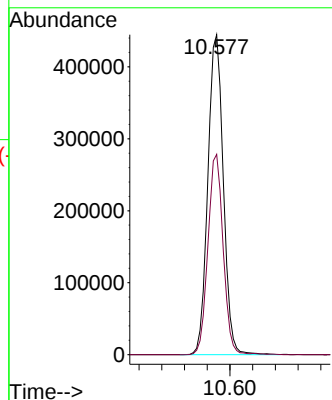
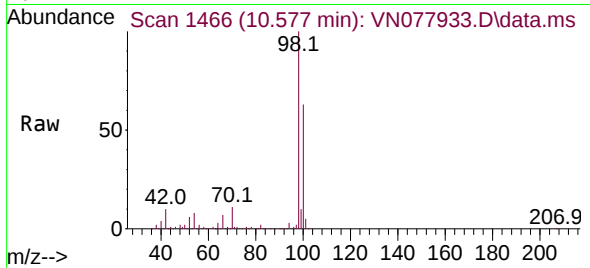




#50
Toluene-d8
Concen: 49.451 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

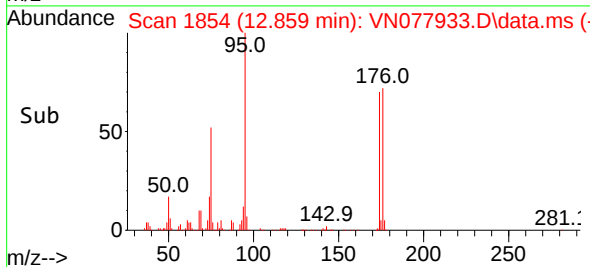
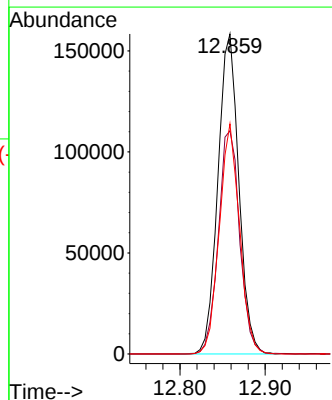
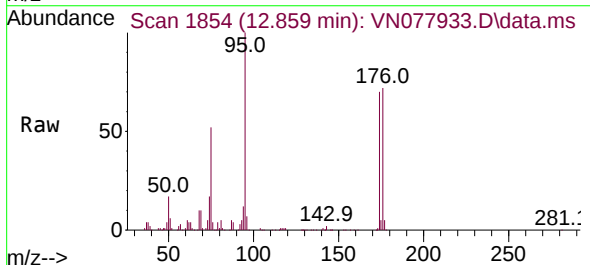
Instrument :
MSVOA_N
ClientSampleId :
MW36BR-20230522

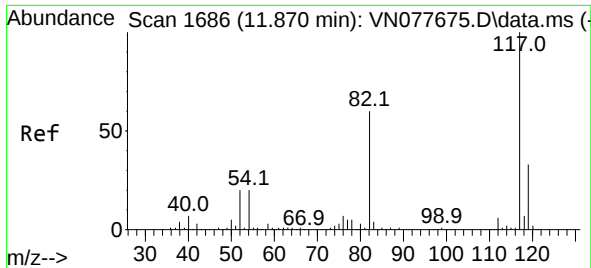
Tgt Ion: 98 Resp: 837324
Ion Ratio Lower Upper
98 100
100 61.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.160 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion: 95 Resp: 270065
Ion Ratio Lower Upper
95 100
174 71.2 0.0 143.8
176 69.8 0.0 135.8

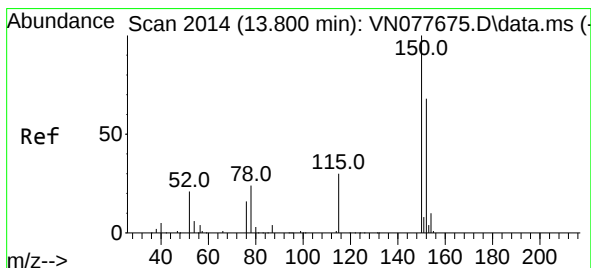
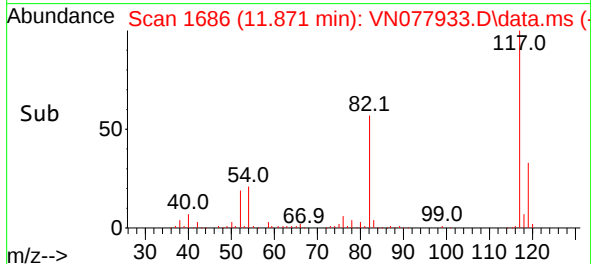
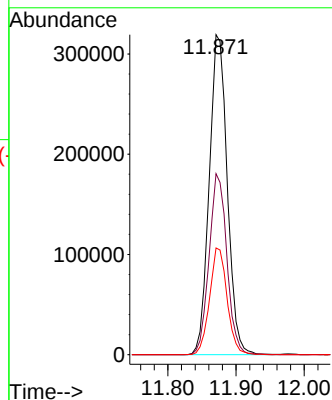
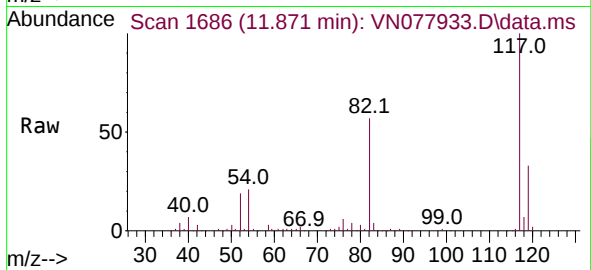




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

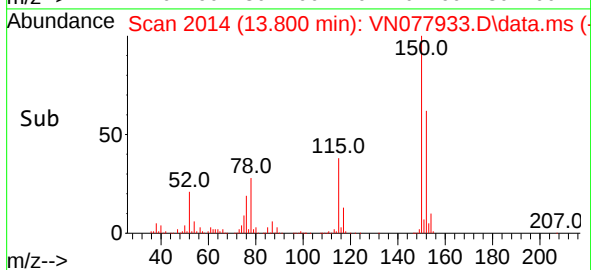
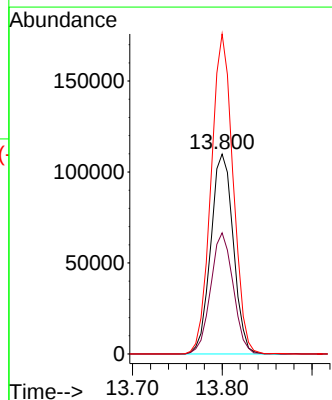
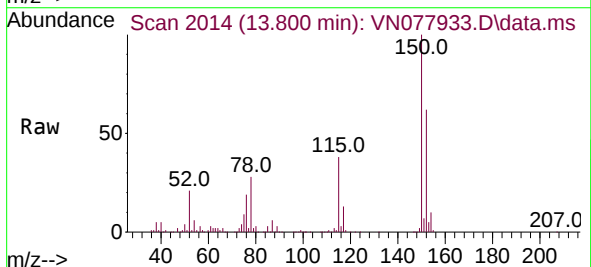
Instrument :
MSVOA_N
ClientSampleId :
MW36BR-20230522

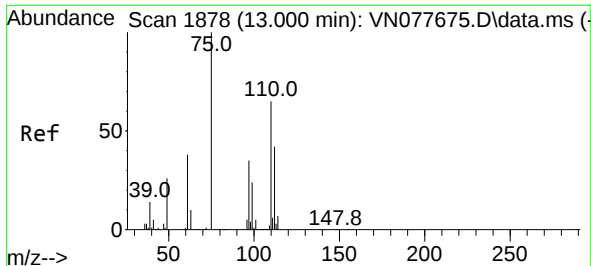
Tgt Ion:117 Resp: 588519
Ion Ratio Lower Upper
117 100
82 56.6 44.0 66.0
119 33.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion:152 Resp: 191270
Ion Ratio Lower Upper
152 100
115 60.6 32.3 96.8
150 156.5 0.0 355.8

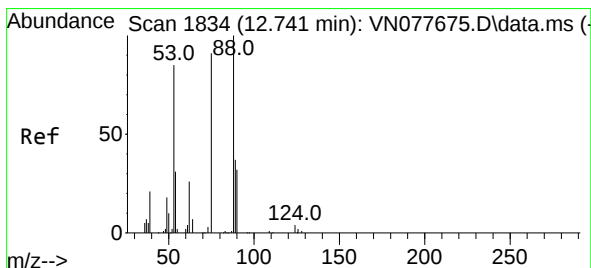
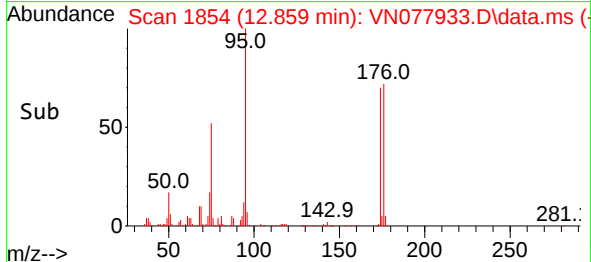
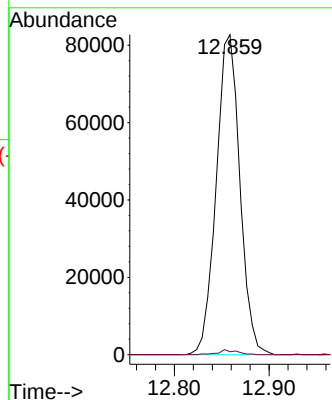
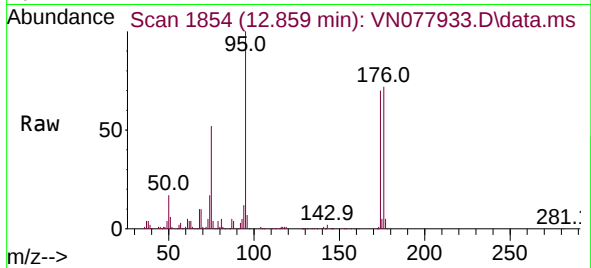




#76
1,2,3-Trichloropropane
Concen: 29.975 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Instrument :
MSVOA_N
ClientSampleId :
MW36BR-20230522

Tgt Ion: 75 Resp: 143583
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.816 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077933.D
Acq: 26 May 2023 17:29

Tgt Ion: 75 Resp: 143583
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

