

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022624\
 Data File : VN081197.D
 Acq On : 26 Feb 2024 16:04
 Operator : JC\MD
 Sample : P1533-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW9-MW01D2-20240217

Quant Time: Feb 27 00:08:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	353193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	654263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	565265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224278	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	233937	54.038	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.080%
35) Dibromofluoromethane	8.165	113	181232	48.986	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.980%
50) Toluene-d8	10.571	98	702451	53.458	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.920%
62) 4-Bromofluorobenzene	12.853	95	232401	47.069	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.140%

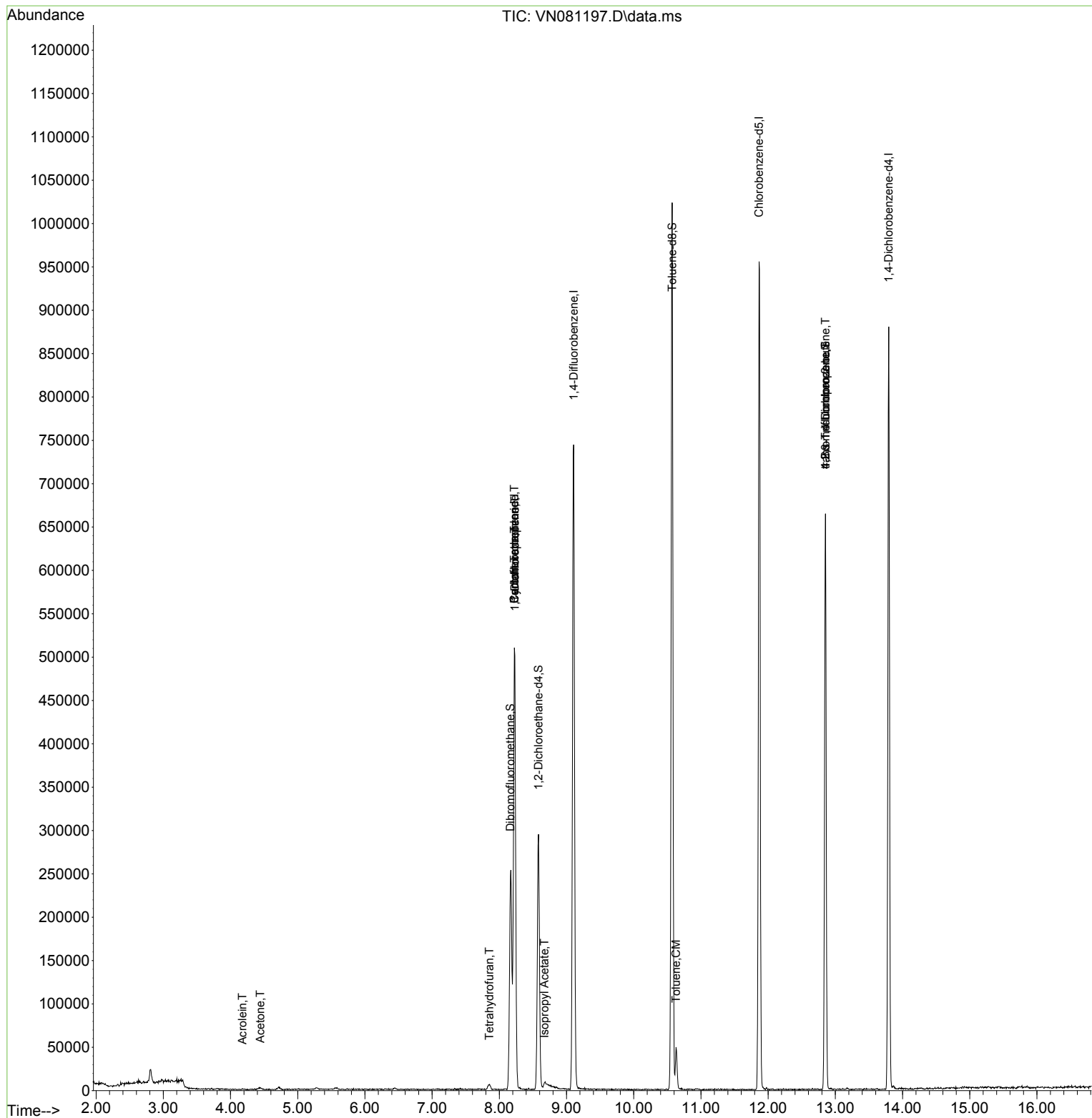
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.371	50	1218	Below Cal	#	43
6) Chloroethane	3.118	64	370	Below Cal	#	67
13) Acrolein	4.177	56	488	1.144	ug/l #	61
16) Acetone	4.442	43	4227	2.481	ug/l #	77
20) Methylene Chloride	5.277	84	865	Below Cal	#	76
29) Tetrahydrofuran	7.853	42	4856	2.643	ug/l #	87
31) Cyclohexane	8.224	56	8595	1.150	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	31720	5.004	ug/l #	54
38) Carbon Tetrachloride	8.224	117	39191	6.112	ug/l #	18
43) Isopropyl Acetate	8.671	43	5914	0.591	ug/l #	57
52) Toluene	10.630	92	18196	1.567	ug/l	88
76) 1,2,3-Trichloropropane	12.853	75	126386	24.802	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126386	63.839	ug/l #	14

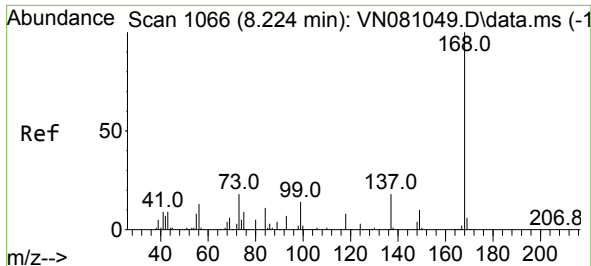
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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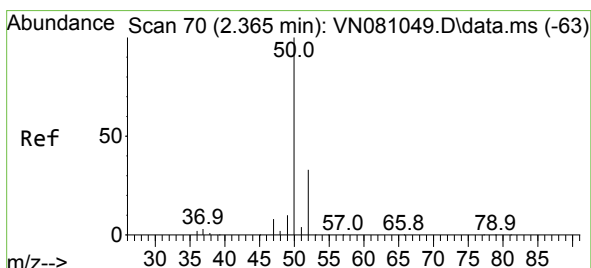
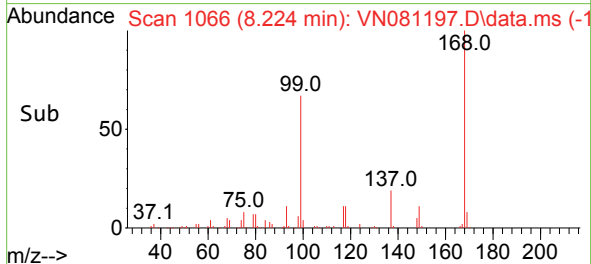
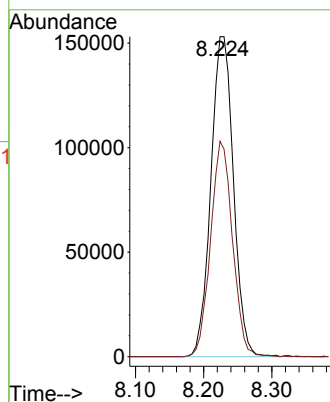
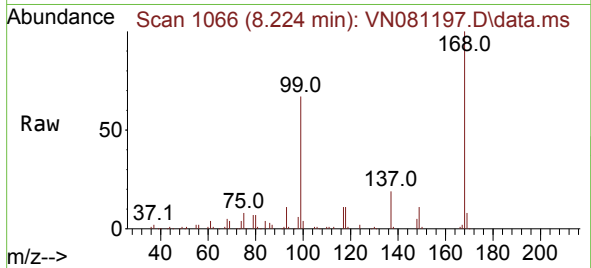




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

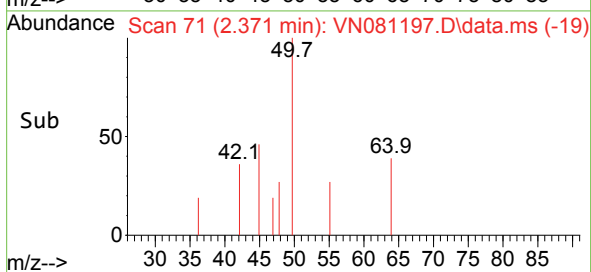
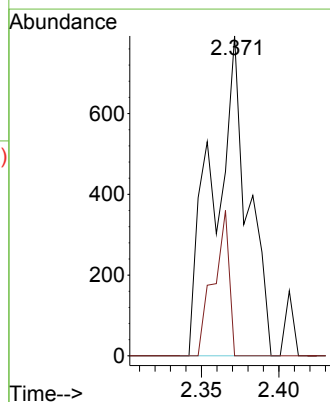
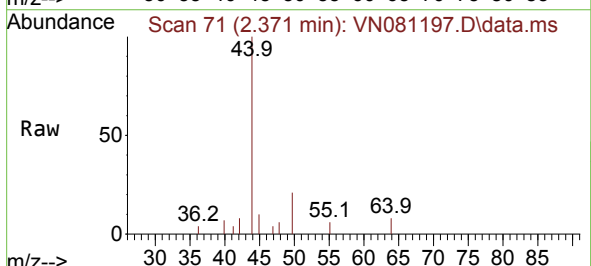
Instrument :
MSVOA_N
ClientSampleId :
RW9-MW01D2-20240217

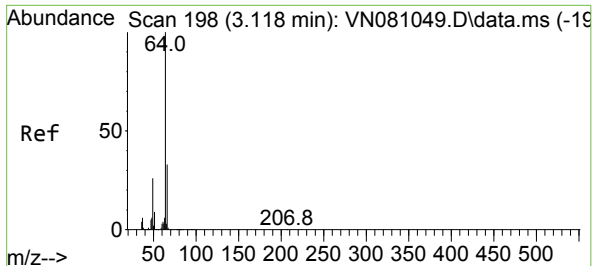
Tgt Ion:168 Resp: 353193
Ion Ratio Lower Upper
168 100
99 67.3 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

Tgt Ion: 50 Resp: 1218
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

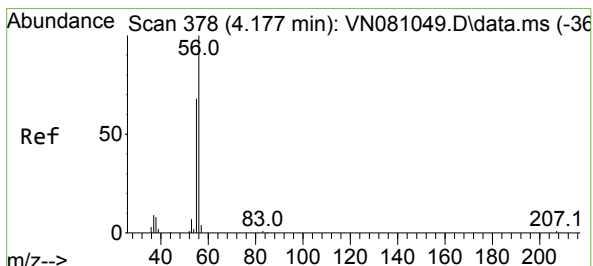
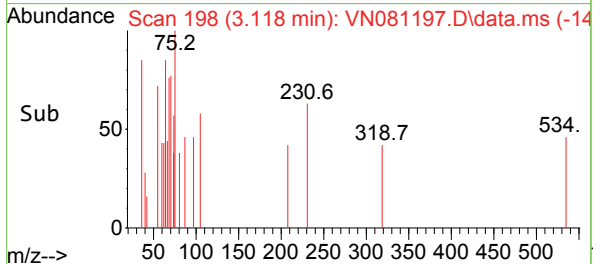
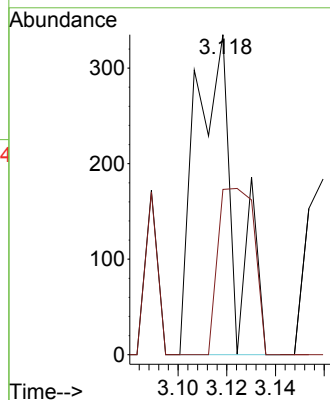
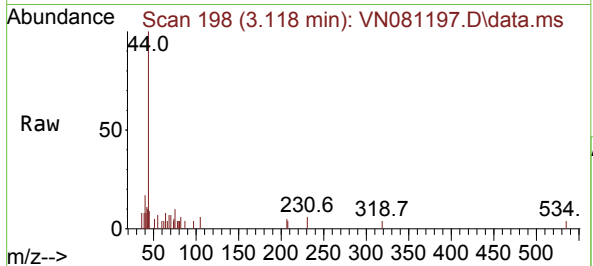




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

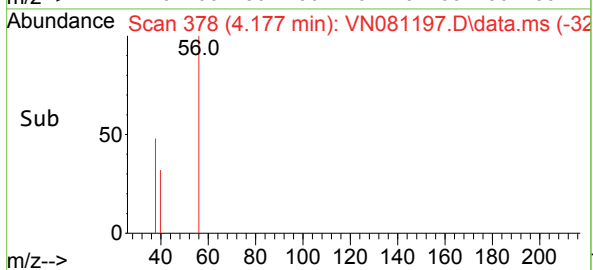
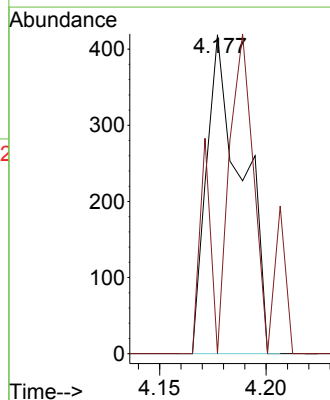
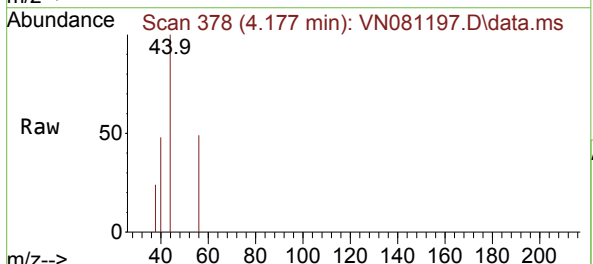
Instrument :
MSVOA_N
ClientSampleId :
RW9-MW01D2-20240217

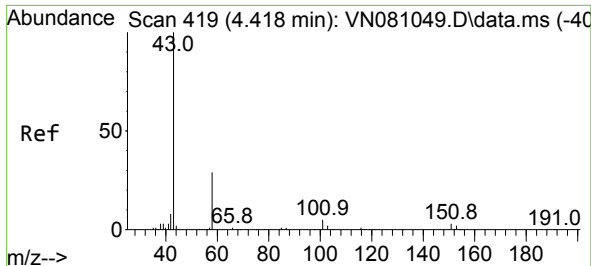
Tgt Ion: 64 Resp: 370
Ion Ratio Lower Upper
64 100
66 51.6 26.4 39.6#



#13
Acrolein
Concen: 1.144 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 100.8 55.3 82.9#





#16

Acetone

Concen: 2.481 ug/l

RT: 4.442 min Scan# 419

Delta R.T. 0.024 min

Lab File: VN081197.D

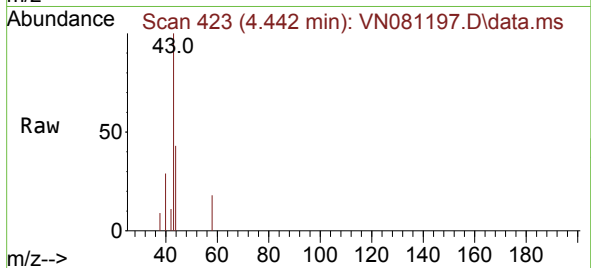
Acq: 26 Feb 2024 16:04

Instrument :

MSVOA_N

ClientSampleId :

RW9-MW01D2-20240217

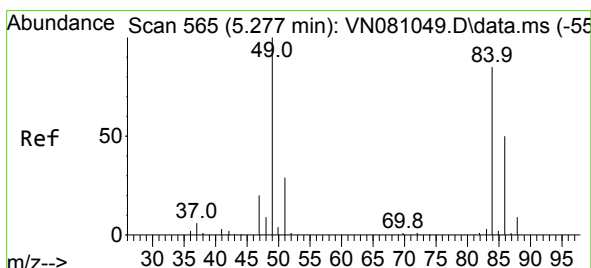
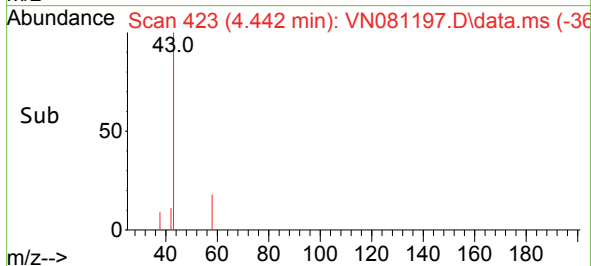
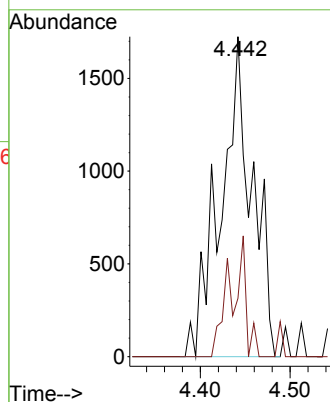


Tgt Ion: 43 Resp: 4227

Ion Ratio Lower Upper

43 100

58 18.3 24.8 37.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN081197.D

Acq: 26 Feb 2024 16:04

Tgt Ion: 84 Resp: 865

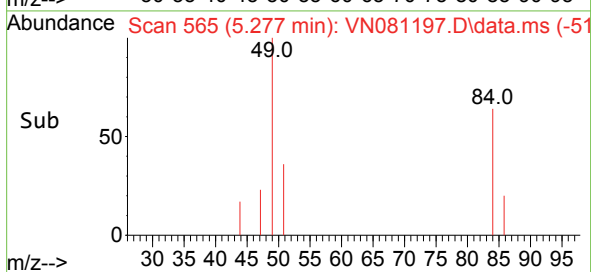
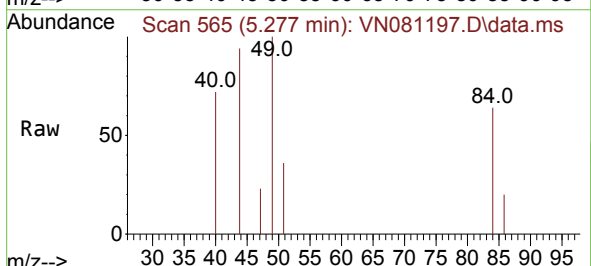
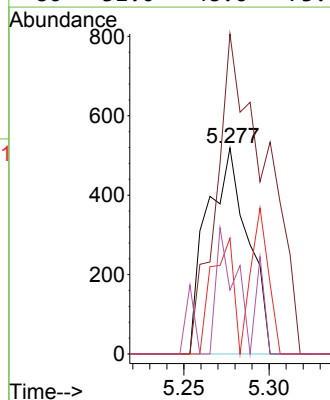
Ion Ratio Lower Upper

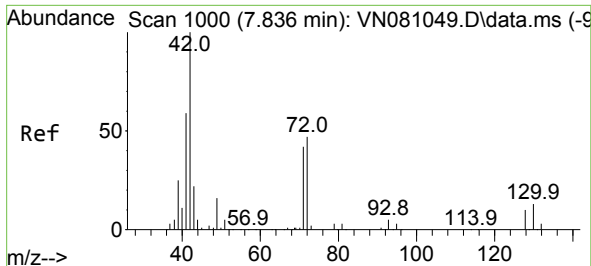
84 100

49 155.3 108.1 162.1

51 56.3 32.9 49.3#

86 31.0 48.6 73.0#





#29

Tetrahydrofuran

Concen: 2.643 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN081197.D

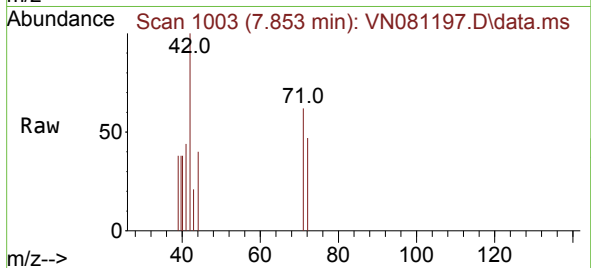
Acq: 26 Feb 2024 16:04

Instrument :

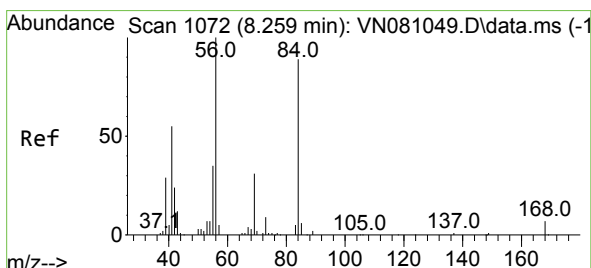
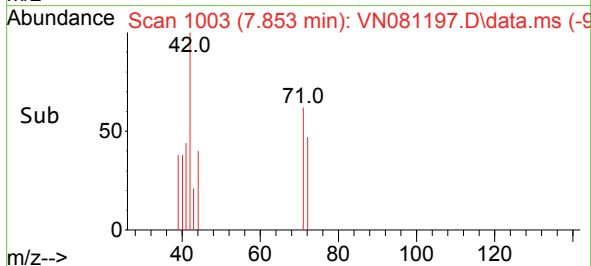
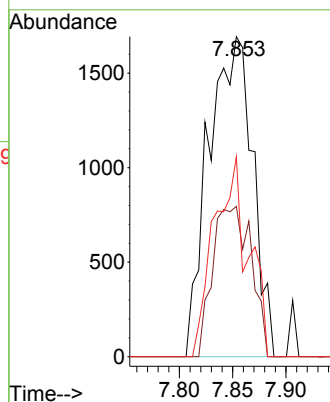
MSVOA_N

ClientSampleId :

RW9-MW01D2-20240217



Tgt Ion:	42	Resp:	4856
Ion	Ratio	Lower	Upper
42	100		
72	41.2	31.1	46.7
71	48.7	28.3	42.5#



#31

Cyclohexane

Concen: 1.150 ug/l

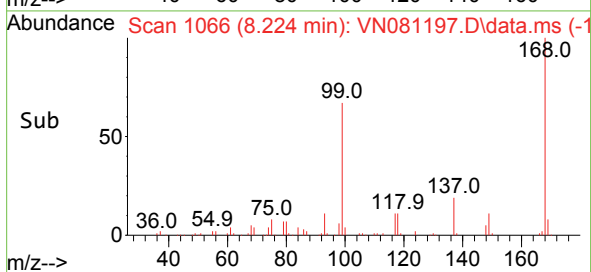
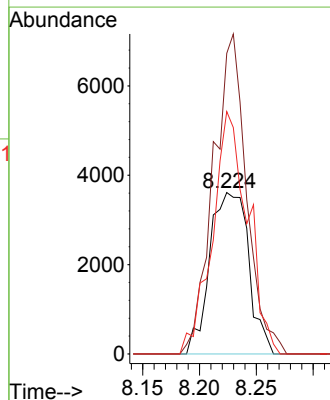
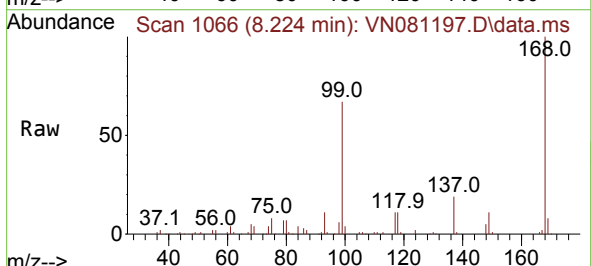
RT: 8.224 min Scan# 1066

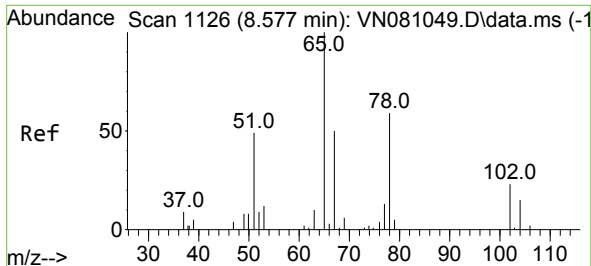
Delta R.T. -0.035 min

Lab File: VN081197.D

Acq: 26 Feb 2024 16:04

Tgt Ion:	56	Resp:	8595
Ion	Ratio	Lower	Upper
56	100		
69	186.2	20.1	30.1#
84	150.1	56.9	85.3#

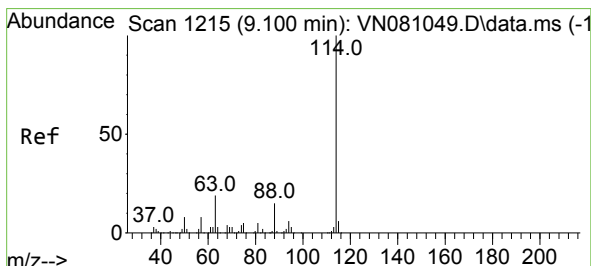
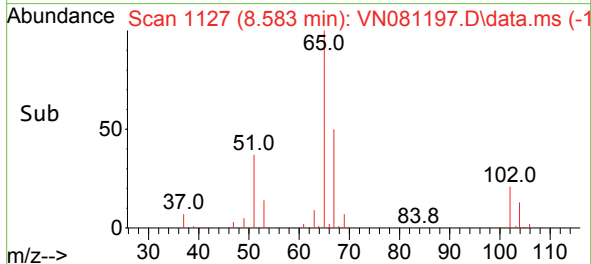
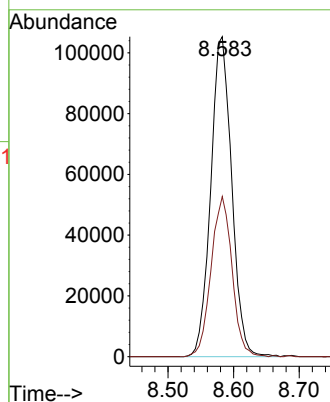
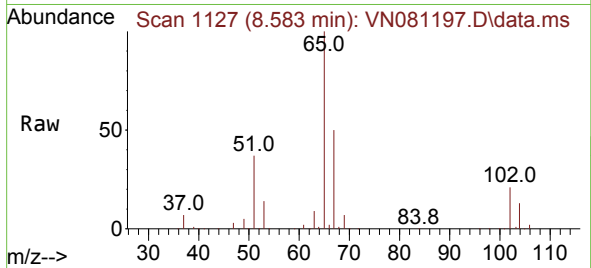




#33
1,2-Dichloroethane-d4
Concen: 54.038 ug/l
RT: 8.583 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

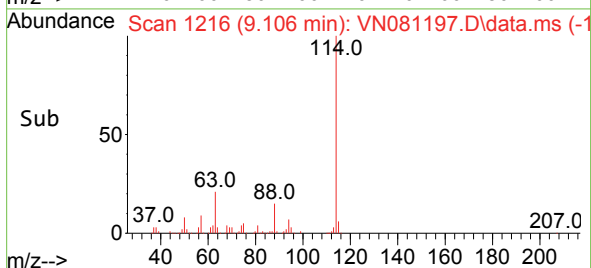
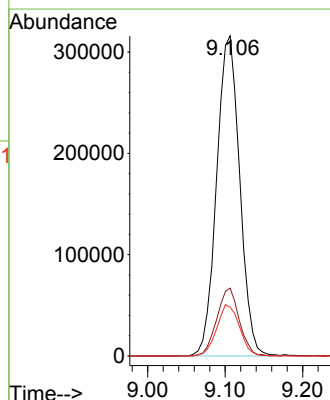
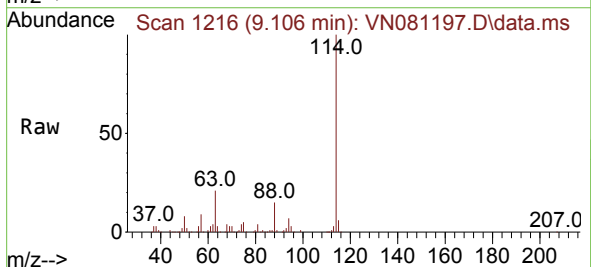
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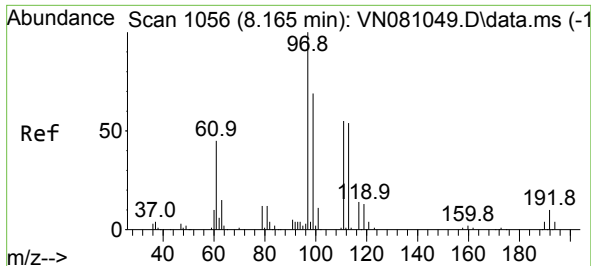
Tgt Ion: 65 Resp: 233937
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

Tgt Ion:114 Resp: 654263
Ion Ratio Lower Upper
114 100
63 21.2 0.0 48.0
88 15.2 0.0 34.8

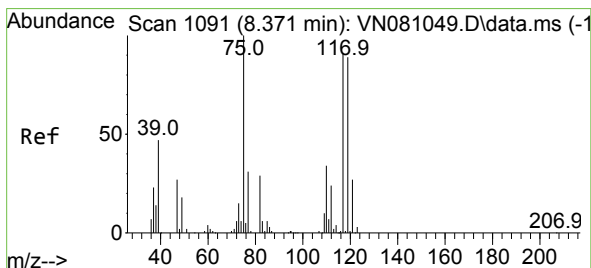
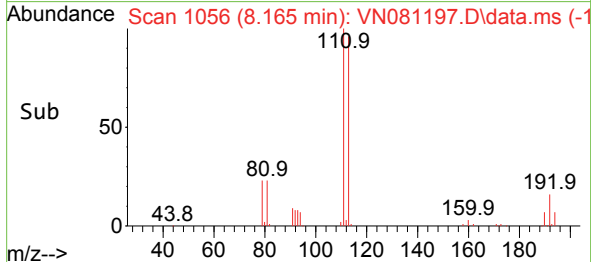
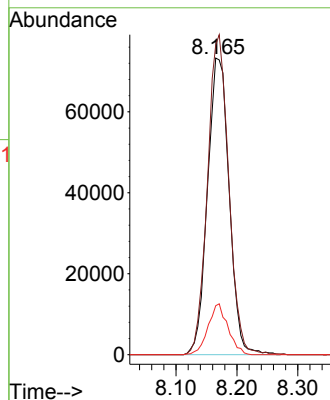
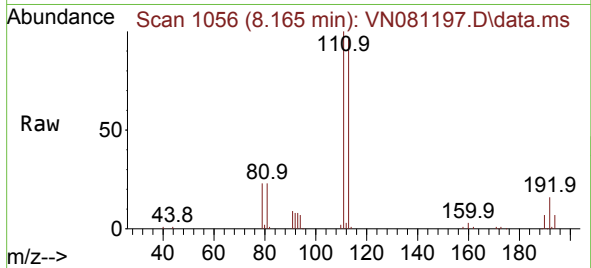




#35
Dibromofluoromethane
Concen: 48.986 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

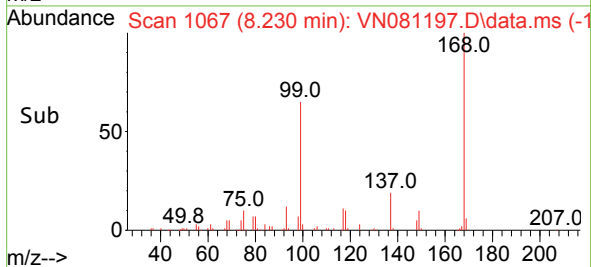
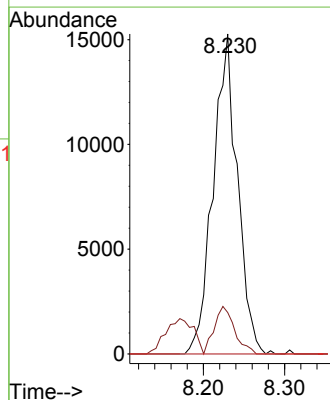
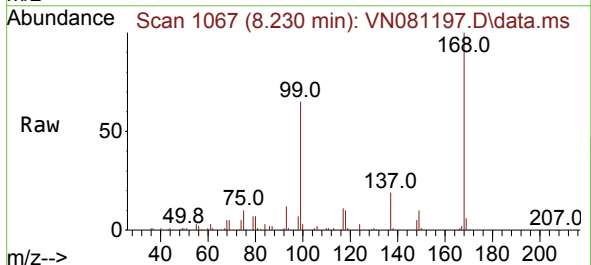
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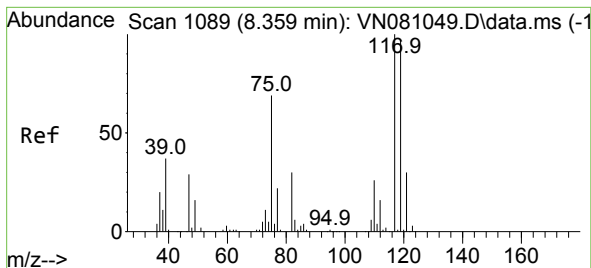
Tgt Ion:113 Resp: 181232
Ion Ratio Lower Upper
113 100
111 105.6 82.2 123.4
192 15.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

Tgt Ion: 75 Resp: 31720
Ion Ratio Lower Upper
75 100
110 12.4 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.112 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081197.D

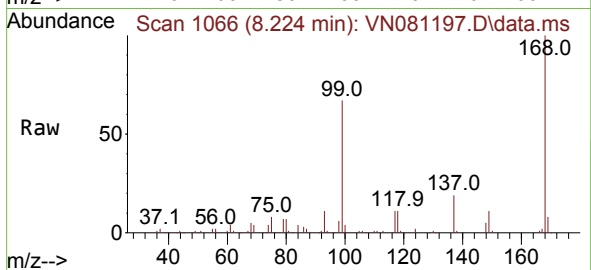
Acq: 26 Feb 2024 16:04

Instrument :

MSVOA_N

ClientSampleId :

RW9-MW01D2-20240217



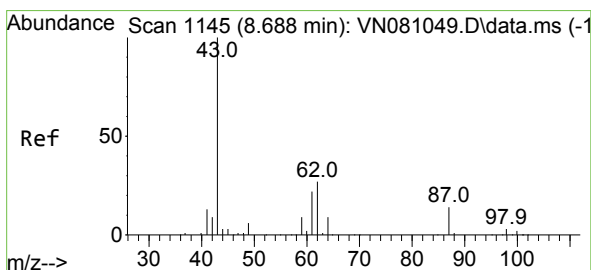
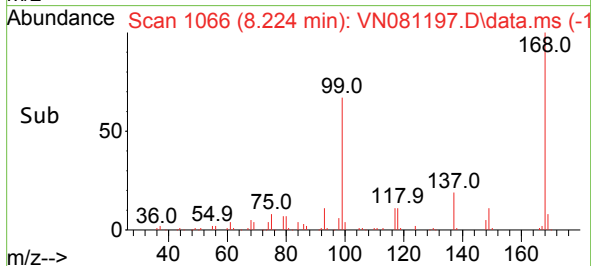
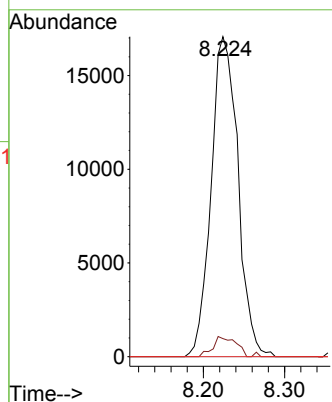
Tgt Ion:117 Resp: 39191

Ion Ratio Lower Upper

117 100

119 5.7 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 0.591 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.018 min

Lab File: VN081197.D

Acq: 26 Feb 2024 16:04

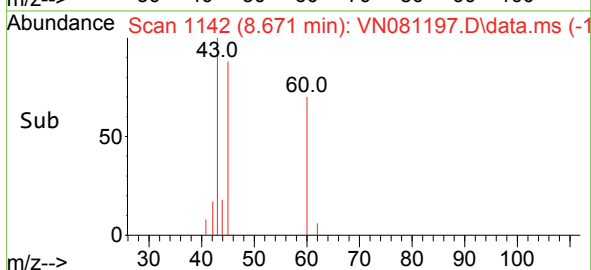
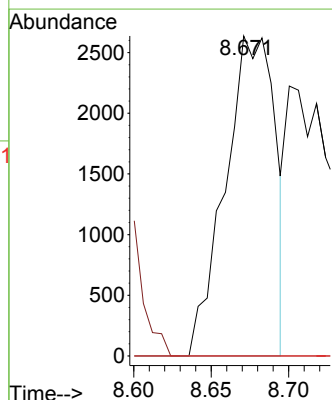
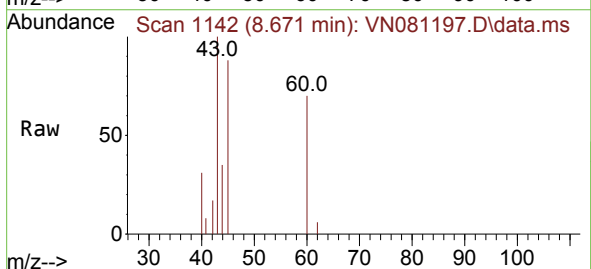
Tgt Ion: 43 Resp: 5914

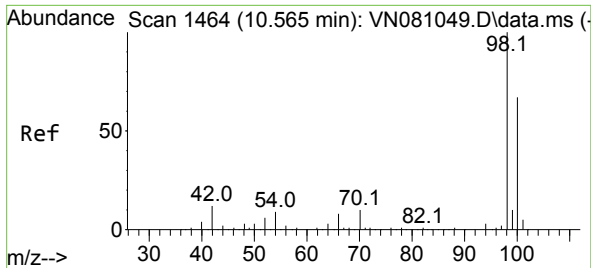
Ion Ratio Lower Upper

43 100

61 0.0 19.9 29.9#

87 0.0 9.0 13.6#

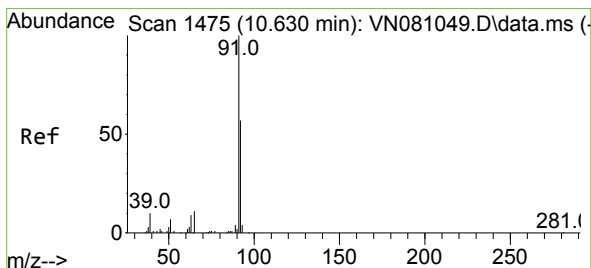
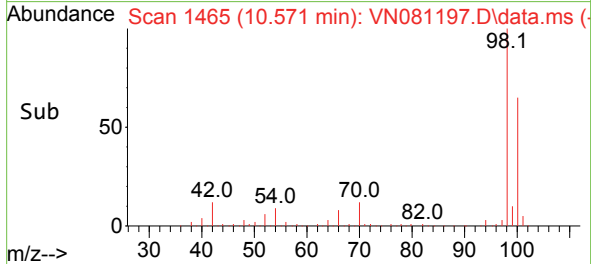
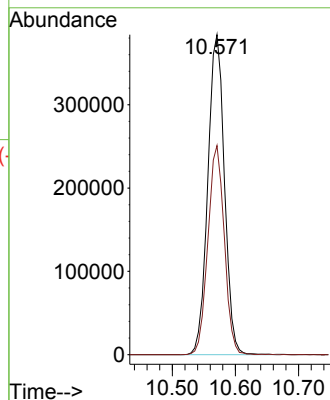
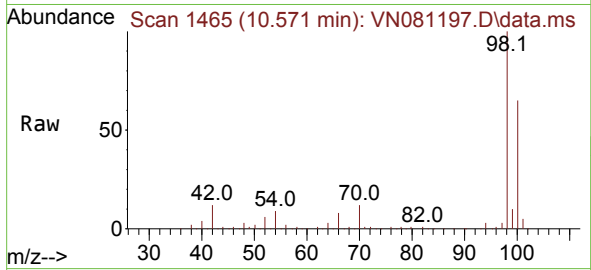




#50
Toluene-d8
Concen: 53.458 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

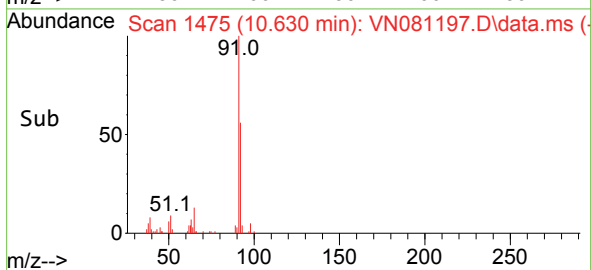
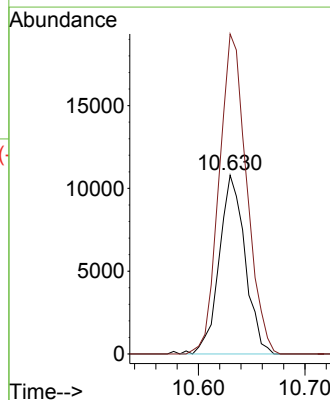
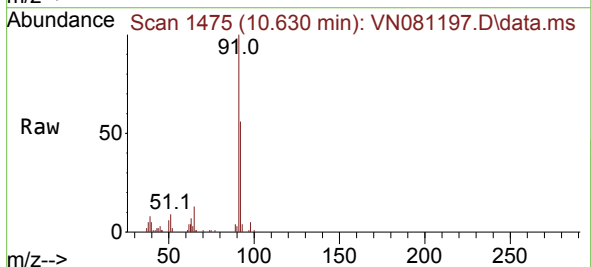
Instrument :
MSVOA_N
ClientSampleId :
RW9-MW01D2-20240217

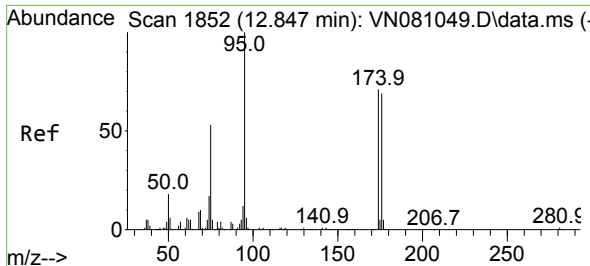
Tgt Ion: 98 Resp: 702451
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#52
Toluene
Concen: 1.567 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

Tgt Ion: 92 Resp: 18196
Ion Ratio Lower Upper
92 100
91 190.5 139.4 209.0

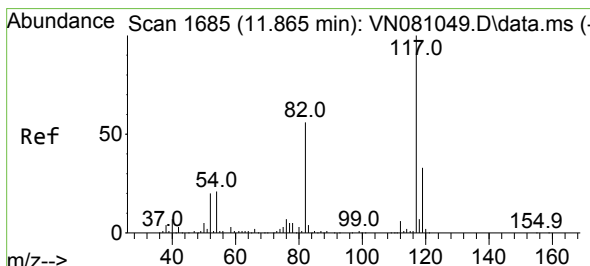
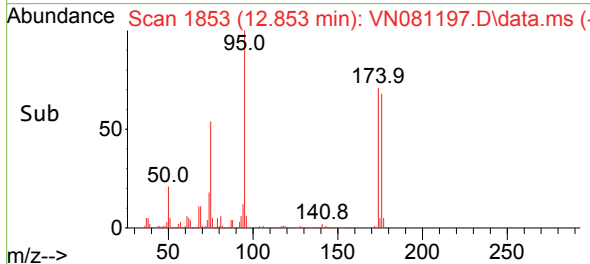
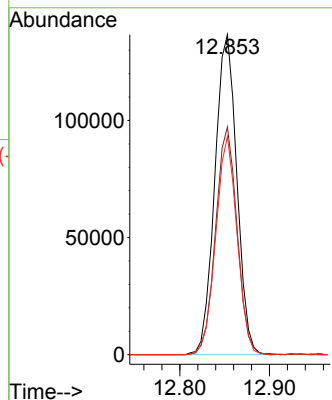
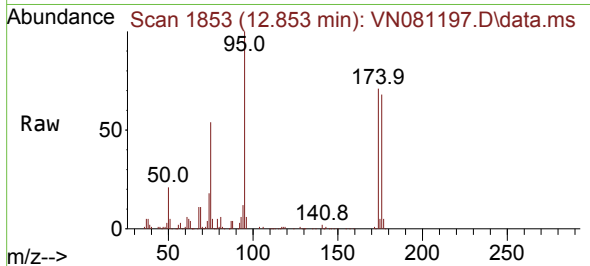




#62
4-Bromofluorobenzene
Concen: 47.069 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

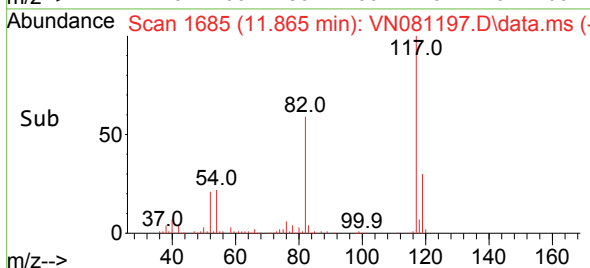
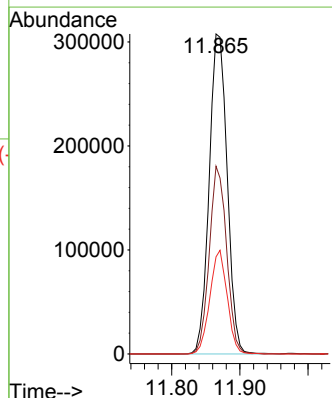
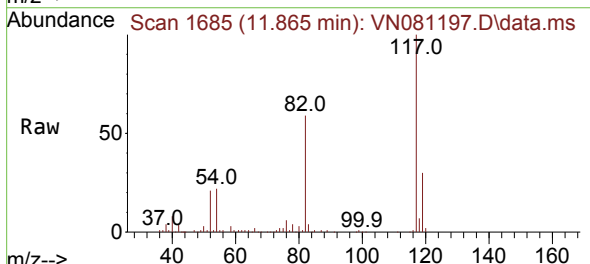
Instrument :
MSVOA_N
ClientSampleId :
RW9-MW01D2-20240217

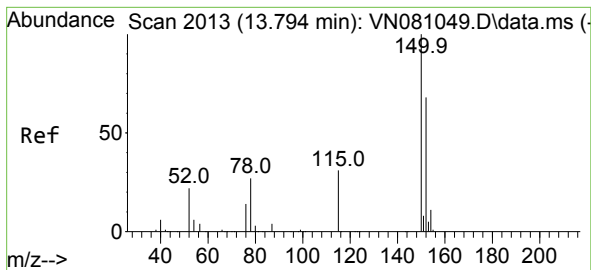
Tgt Ion:	95	Resp:	232401
Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	120.4
176	65.9	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081197.D
Acq: 26 Feb 2024 16:04

Tgt Ion:	117	Resp:	565265
Ion	Ratio	Lower	Upper
117	100		
82	58.7	52.7	79.1
119	30.3	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081197.D

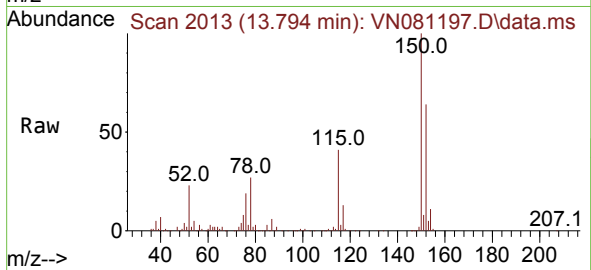
Acq: 26 Feb 2024 16:04

Instrument :

MSVOA_N

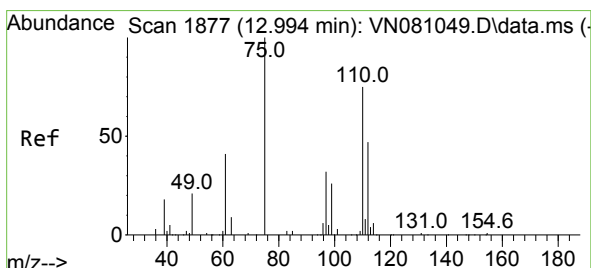
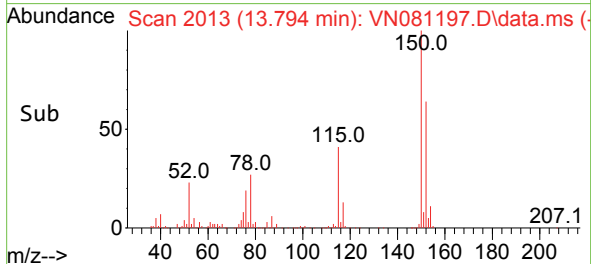
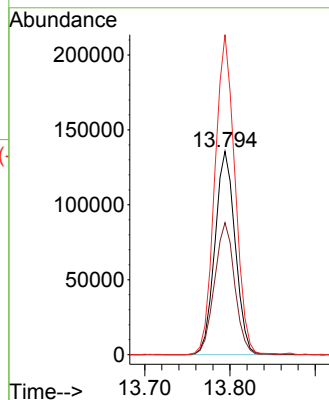
ClientSampleId :

RW9-MW01D2-20240217



Tgt Ion:152 Resp: 224278

Ion	Ratio	Lower	Upper
152	100		
115	64.7	32.3	96.8
150	156.3	0.0	339.8



#76

1,2,3-Trichloropropane

Concen: 24.802 ug/l

RT: 12.853 min Scan# 1853

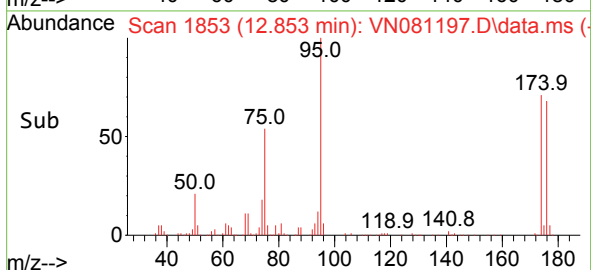
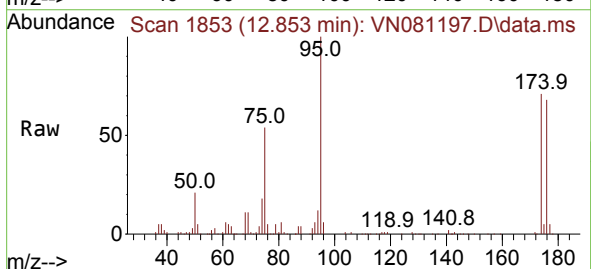
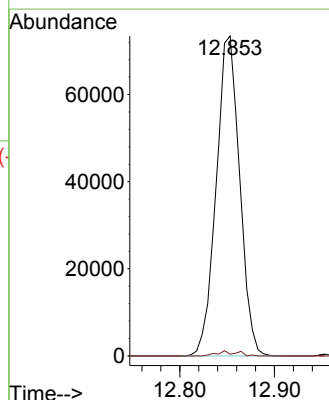
Delta R.T. -0.141 min

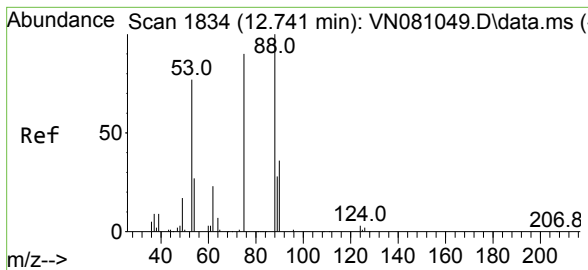
Lab File: VN081197.D

Acq: 26 Feb 2024 16:04

Tgt Ion: 75 Resp: 126386

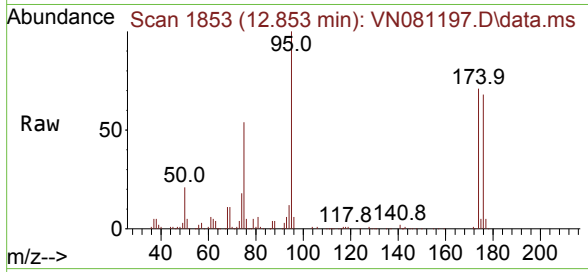
Ion	Ratio	Lower	Upper
75	100		
77	1.3	91.0	272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.839 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081197.D
 Acq: 26 Feb 2024 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 RW9-MW01D2-20240217



Tgt Ion: 75 Resp: 126386
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

