

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081230.D
 Acq On : 27 Feb 2024 19:36
 Operator : JC\MD
 Sample : P1590-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D1-20240222

Quant Time: Feb 28 04:23:52 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)

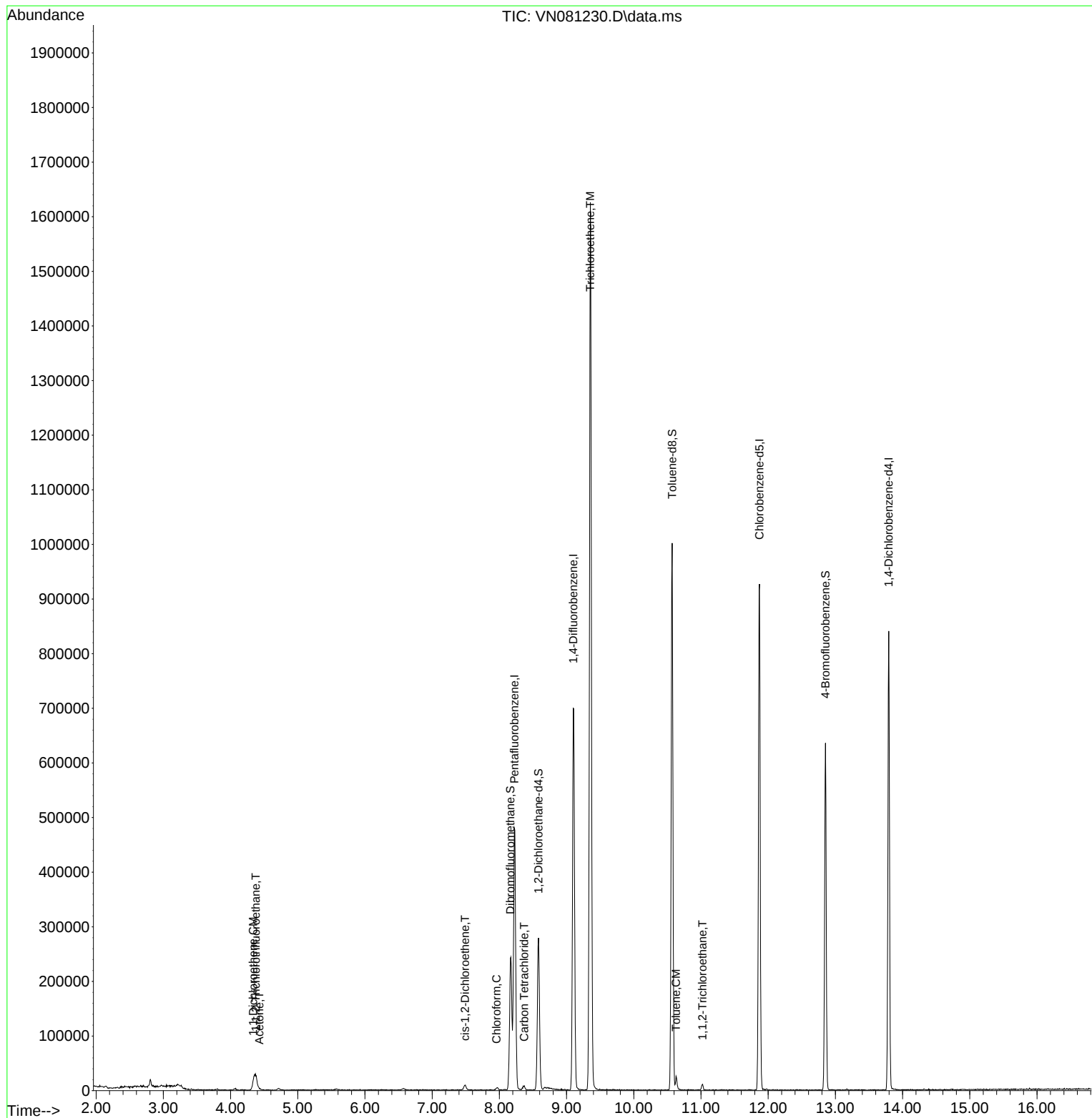
Internal Standards						
1) Pentafluorobenzene	8.224	168	328648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	611150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	531117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218161	54.157	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.320%	
35) Dibromofluoromethane	8.165	113	177401	51.333	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.660%	
50) Toluene-d8	10.570	98	675444	55.029	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.060%	
62) 4-Bromofluorobenzene	12.853	95	211336	45.822	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.640%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.377	101	16771	4.362	ug/l	94
12) 1,1-Dichloroethene	4.336	96	9230	2.483	ug/l #	78
16) Acetone	4.430	43	3732	2.355	ug/l	94
27) cis-1,2-Dichloroethene	7.488	96	5521	1.146	ug/l	75
30) Chloroform	7.959	83	4270	0.555	ug/l #	70
38) Carbon Tetrachloride	8.371	117	5345	0.892	ug/l #	82
44) Trichloroethene	9.353	130	556638	121.952	ug/l	99
52) Toluene	10.629	92	8638	0.796	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	3980	0.954	ug/l #	82

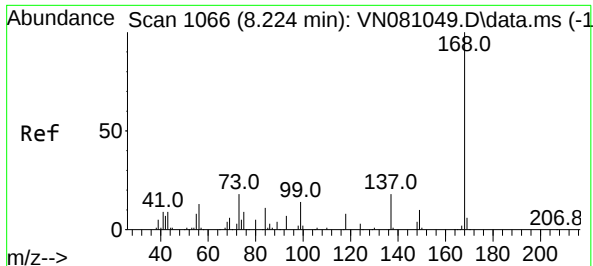
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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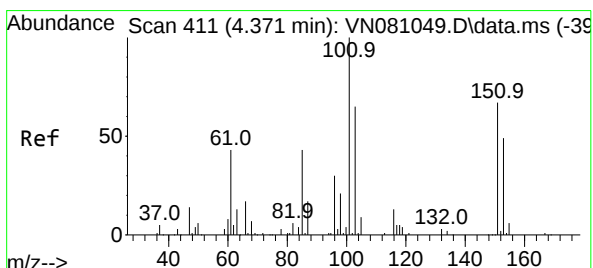
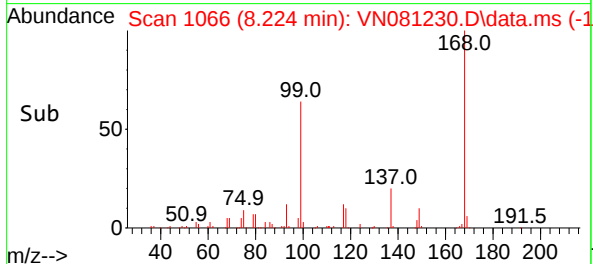
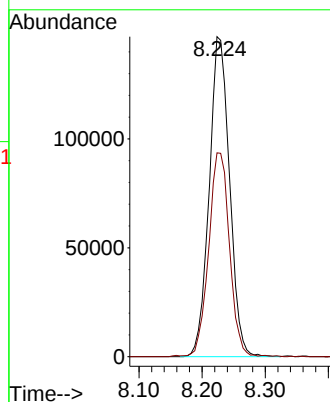
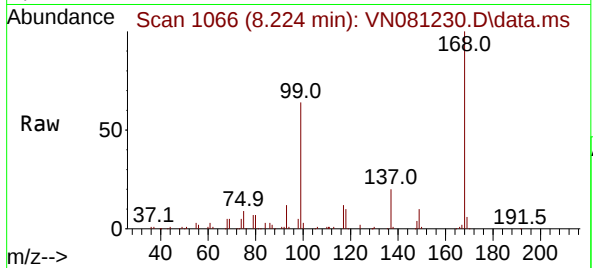




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

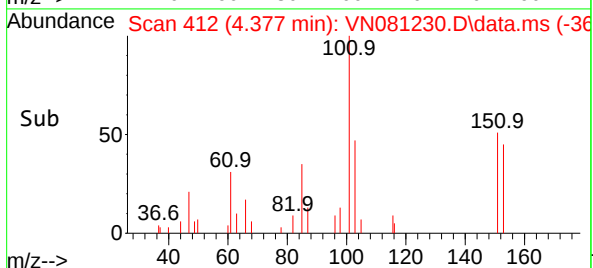
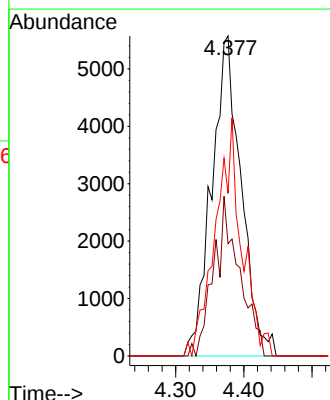
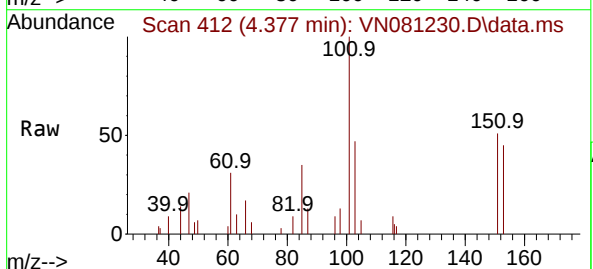
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

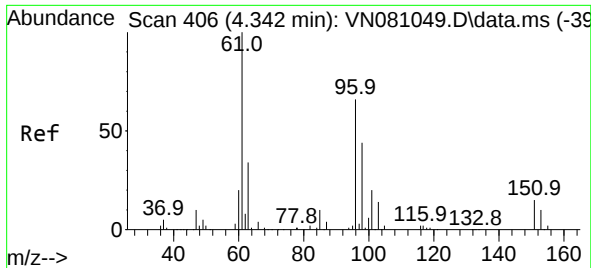
Tgt Ion:168 Resp: 328648
Ion Ratio Lower Upper
168 100
99 63.5 59.9 89.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.362 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion:101 Resp: 16771
Ion Ratio Lower Upper
101 100
85 43.3 38.1 57.1
151 66.2 49.1 73.7





#12

1,1-Dichloroethene

Concen: 2.483 ug/l

RT: 4.336 min Scan# 406

Delta R.T. -0.006 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20240222

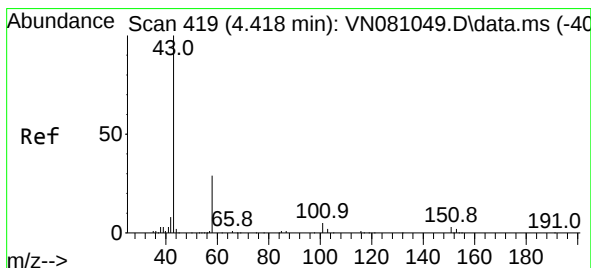
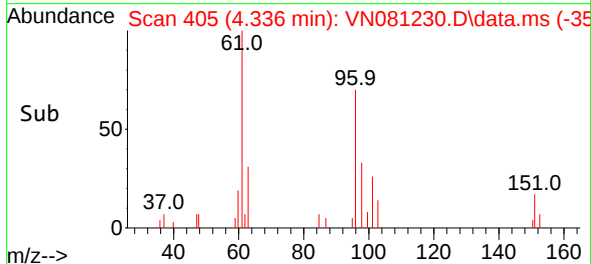
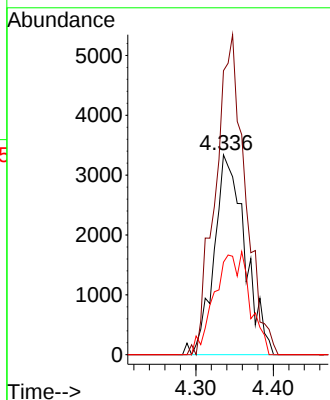
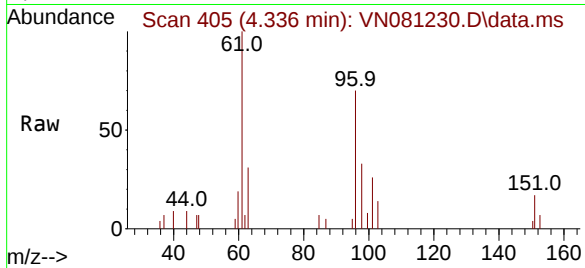
Tgt Ion: 96 Resp: 9230

Ion Ratio Lower Upper

96 100

61 142.1 138.2 207.4

98 46.3 49.2 73.8#



#16

Acetone

Concen: 2.355 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.012 min

Lab File: VN081230.D

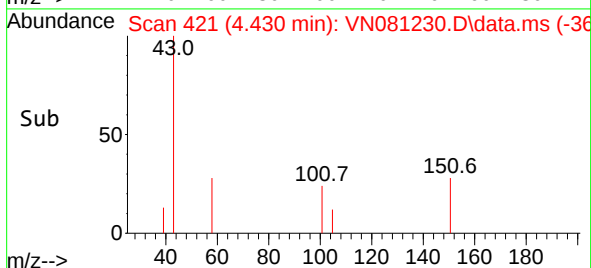
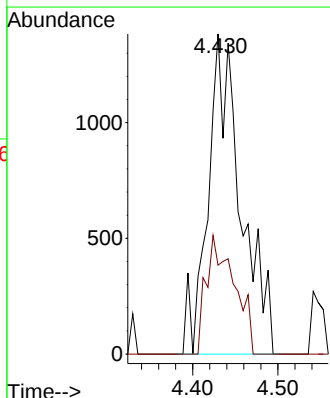
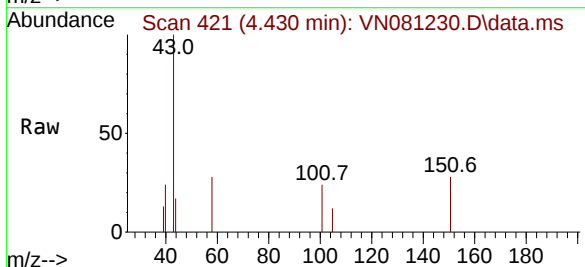
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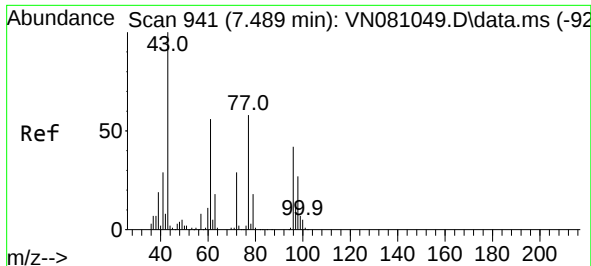
Tgt Ion: 43 Resp: 3732

Ion Ratio Lower Upper

43 100

58 27.8 24.8 37.2

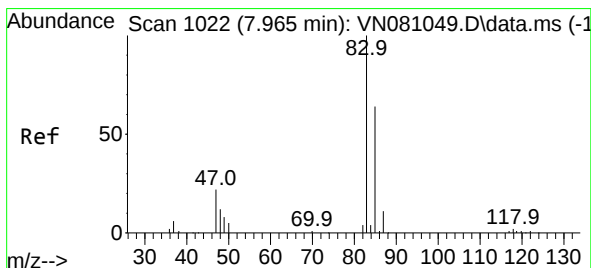
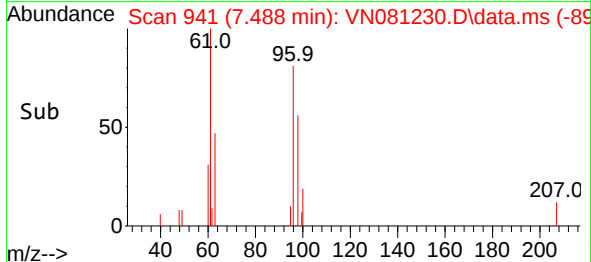
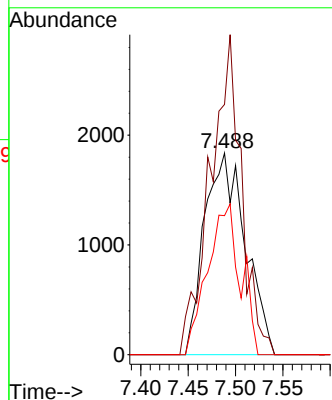
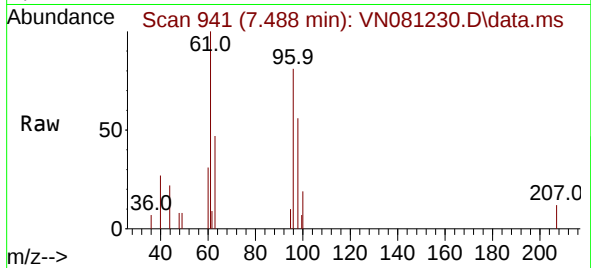




#27
 cis-1,2-Dichloroethene
 Concen: 1.146 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.000 min
 Lab File: VN081230.D
 Acq: 27 Feb 2024 19:36

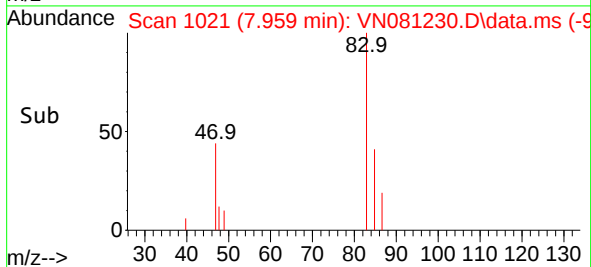
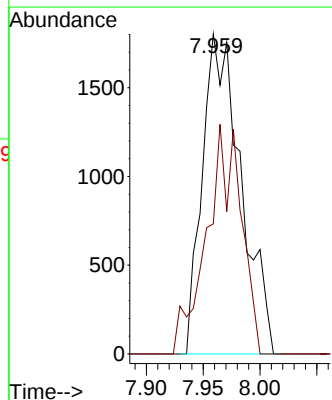
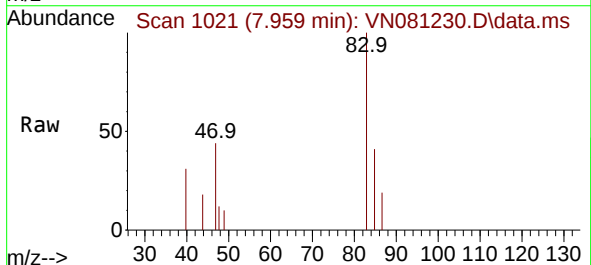
Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D1-20240222

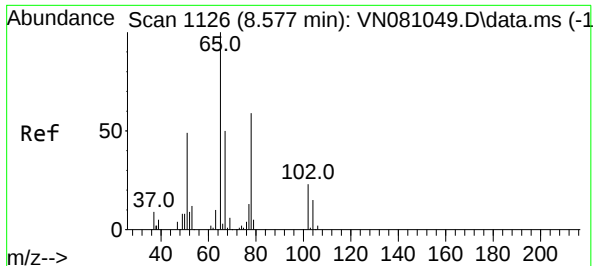
Tgt Ion: 96 Resp: 5521
 Ion Ratio Lower Upper
 96 100
 61 120.5 0.0 325.4
 98 60.0 0.0 130.4



#30
 Chloroform
 Concen: 0.555 ug/l
 RT: 7.959 min Scan# 1021
 Delta R.T. -0.006 min
 Lab File: VN081230.D
 Acq: 27 Feb 2024 19:36

Tgt Ion: 83 Resp: 4270
 Ion Ratio Lower Upper
 83 100
 85 40.7 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 54.157 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

Instrument :

MSVOA_N

ClientSampleId :

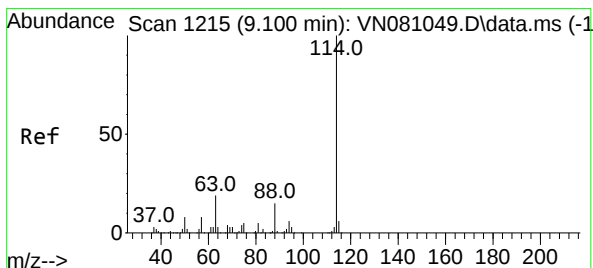
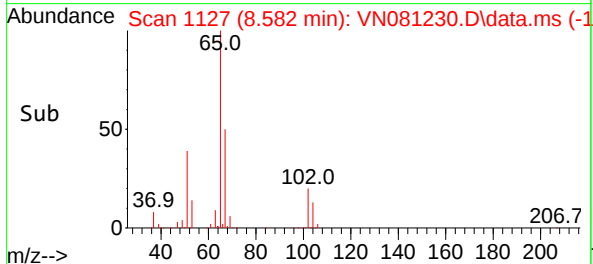
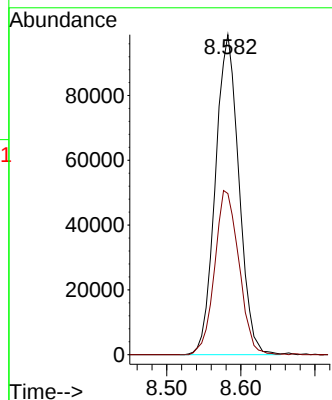
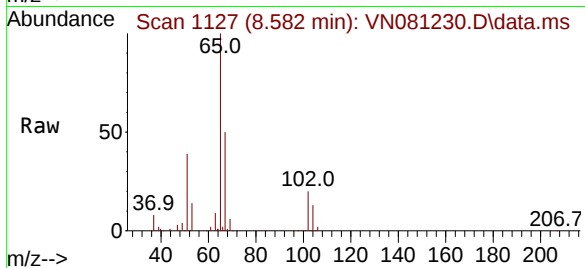
RE139D1-20240222

Tgt Ion: 65 Resp: 218161

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081230.D

Acq: 27 Feb 2024 19:36

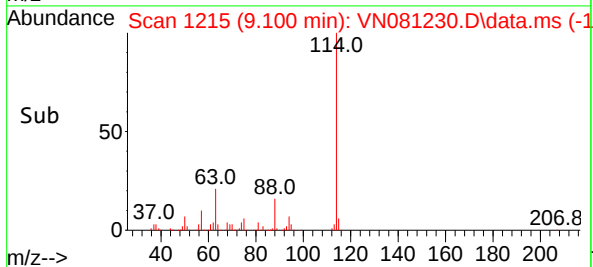
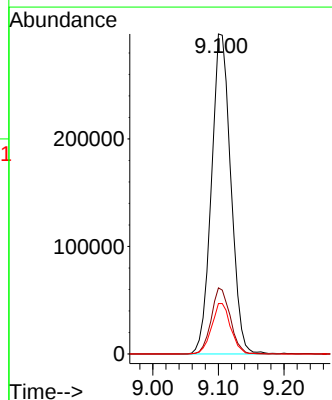
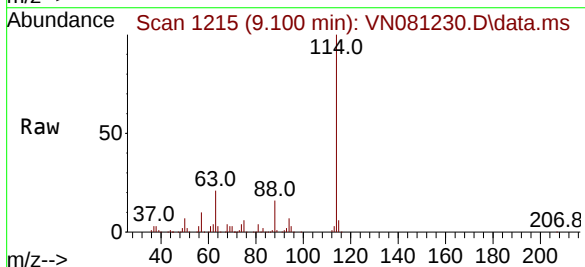
Tgt Ion: 114 Resp: 611150

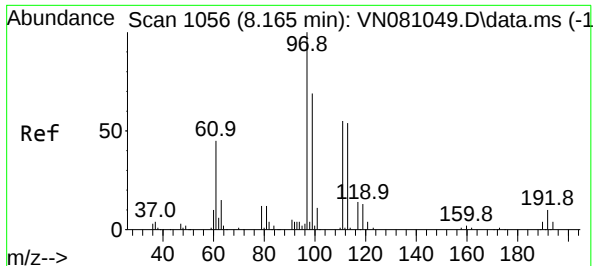
Ion Ratio Lower Upper

114 100

63 20.7 0.0 48.0

88 15.7 0.0 34.8

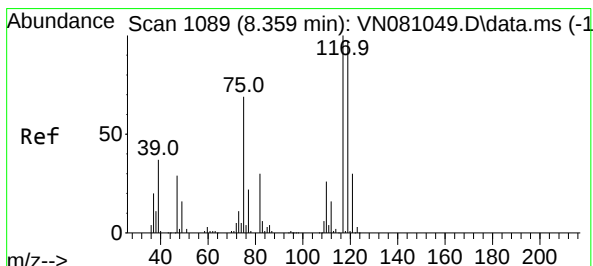
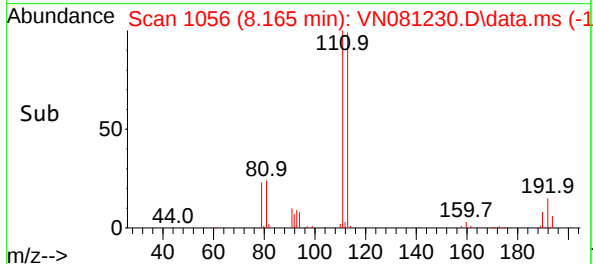
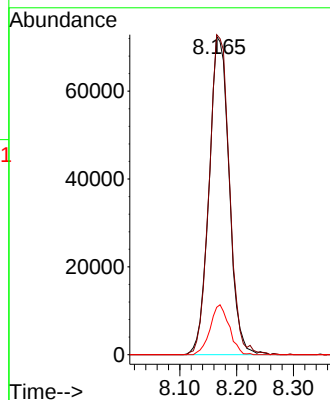
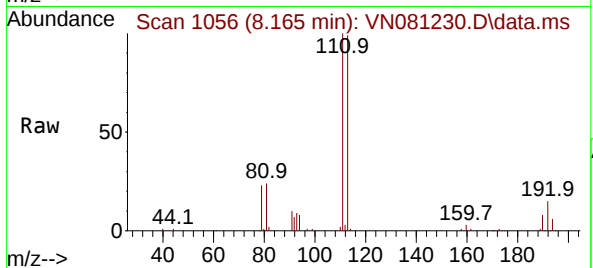




#35
Dibromofluoromethane
Concen: 51.333 ug/l
RT: 8.165 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

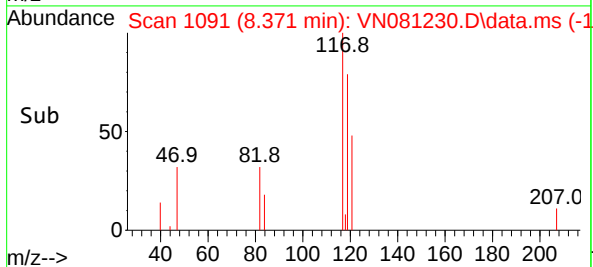
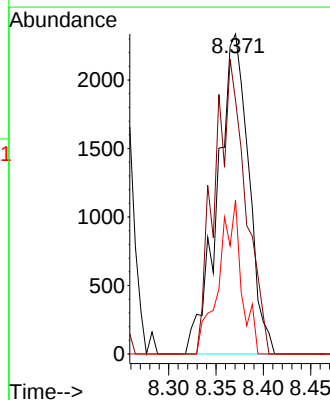
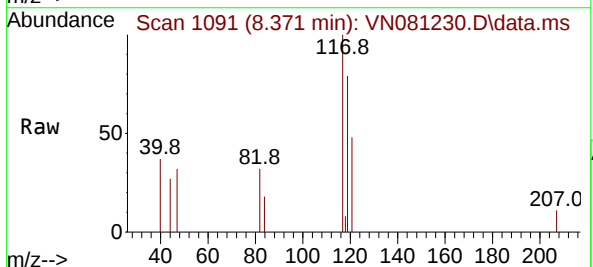
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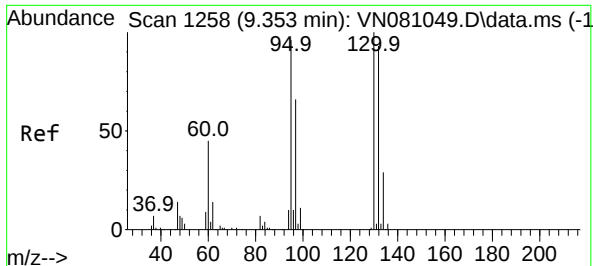
Tgt Ion:113 Resp: 177401
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 14.9 12.5 18.7



#38
Carbon Tetrachloride
Concen: 0.892 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.012 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion:117 Resp: 5345
Ion Ratio Lower Upper
117 100
119 79.2 73.4 110.2
121 48.1 24.4 36.6#

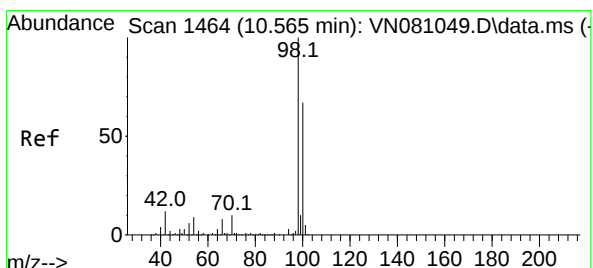
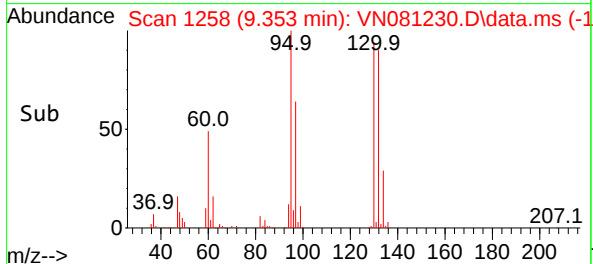
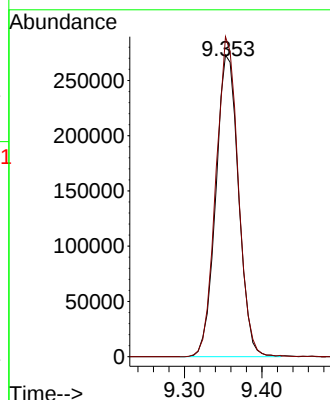
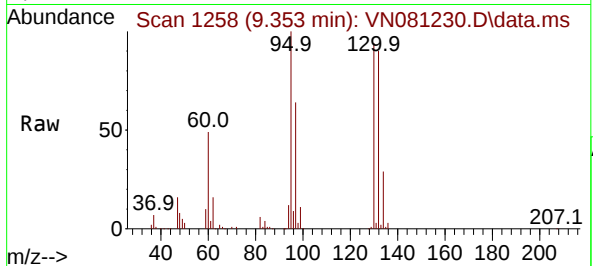




#44
Trichloroethene
Concen: 121.952 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

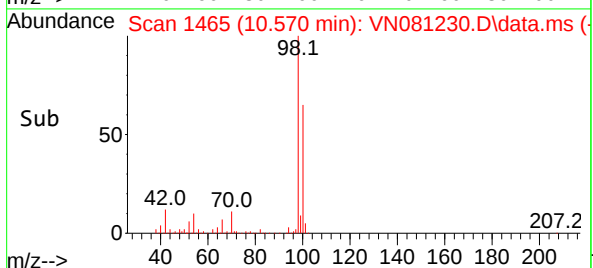
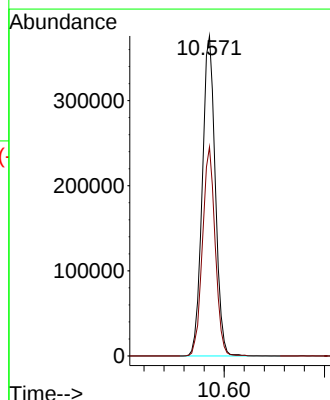
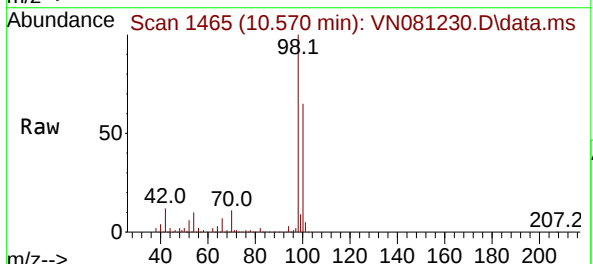
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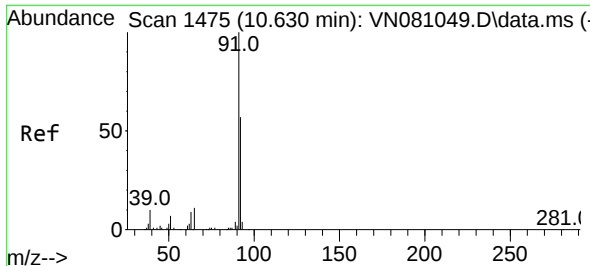
Tgt Ion:130 Resp: 556638
Ion Ratio Lower Upper
130 100
95 106.1 0.0 210.4



#50
Toluene-d8
Concen: 55.029 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion: 98 Resp: 675444
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

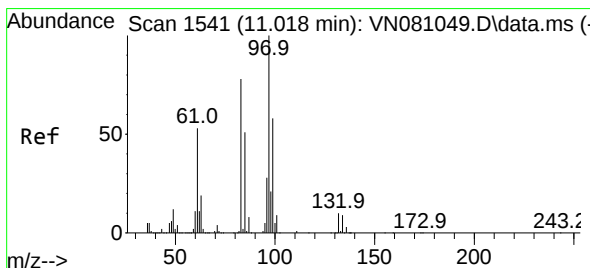
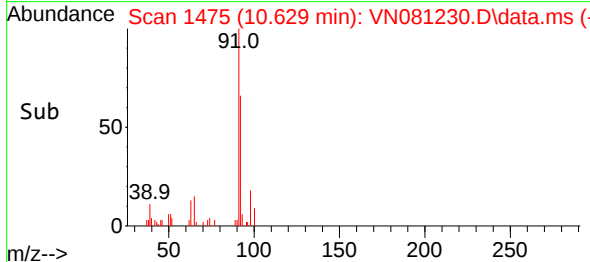
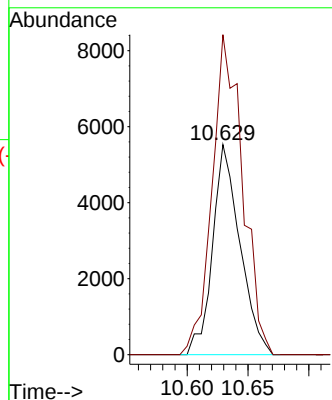
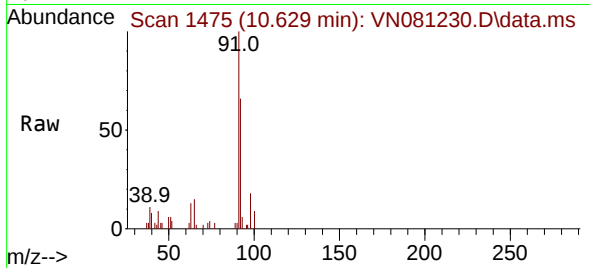




#52
Toluene
Concen: 0.796 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

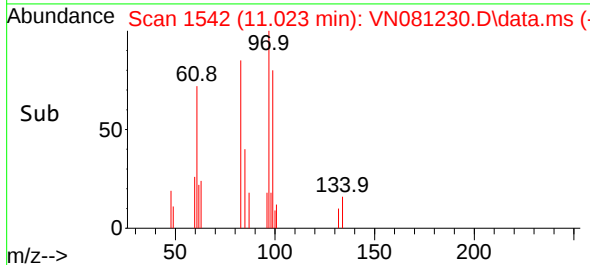
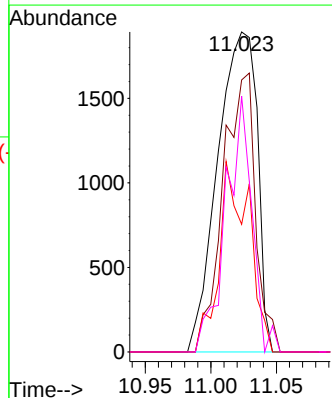
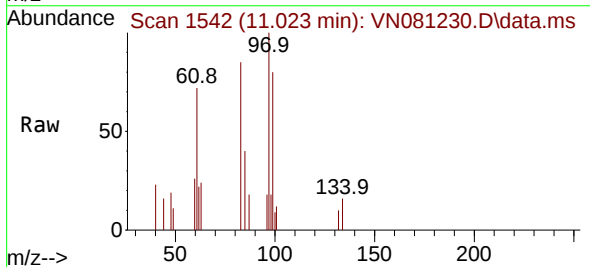
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

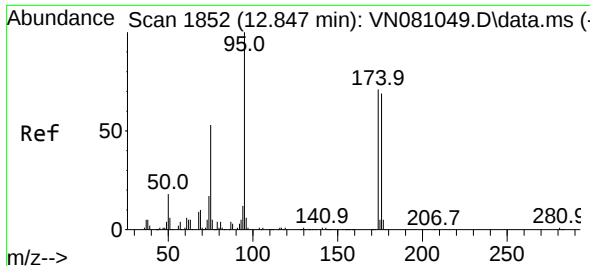
Tgt Ion: 92 Resp: 8638
Ion Ratio Lower Upper
92 100
91 169.5 139.4 209.0



#55
1,1,2-Trichloroethane
Concen: 0.954 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

Tgt Ion: 97 Resp: 3980
Ion Ratio Lower Upper
97 100
83 85.0 72.9 109.3
85 39.9 50.2 75.2#
99 79.9 49.6 74.4#

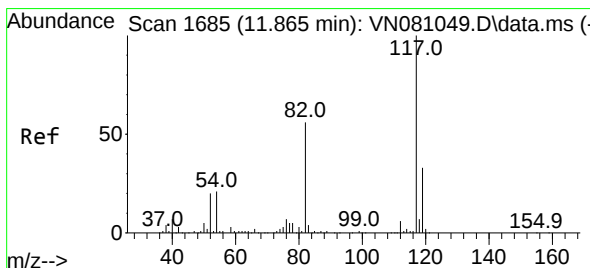
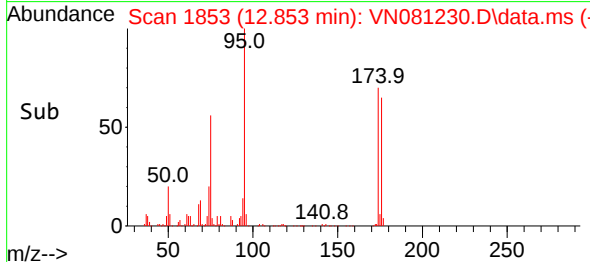
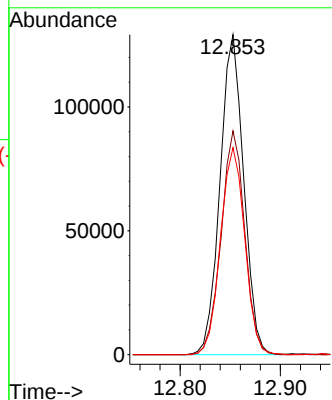
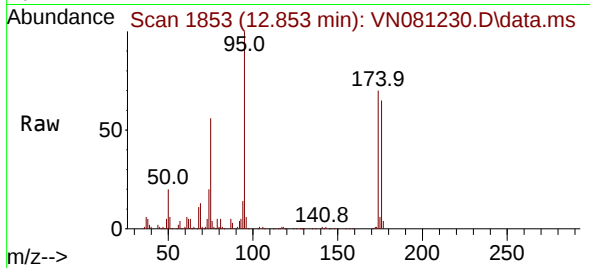




#62
4-Bromofluorobenzene
Concen: 45.822 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

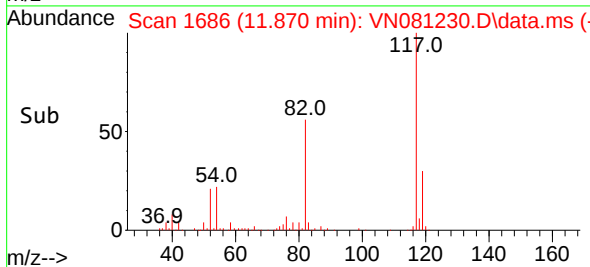
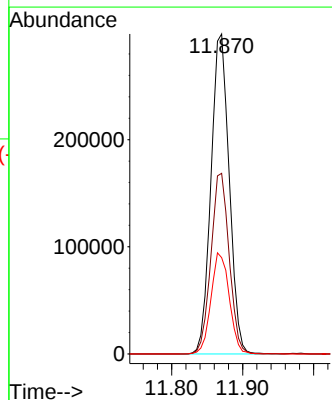
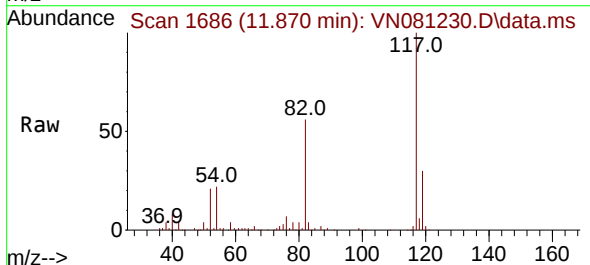
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20240222

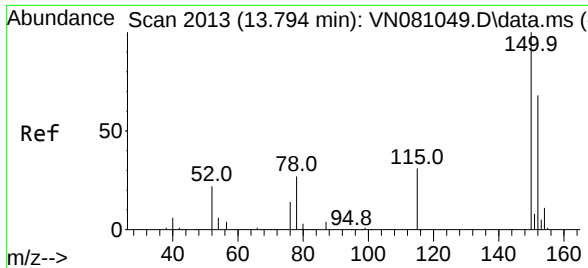
Tgt Ion: 95 Resp: 211336
Ion Ratio Lower Upper
95 100
174 69.8 0.0 120.4
176 66.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081230.D
Acq: 27 Feb 2024 19:36

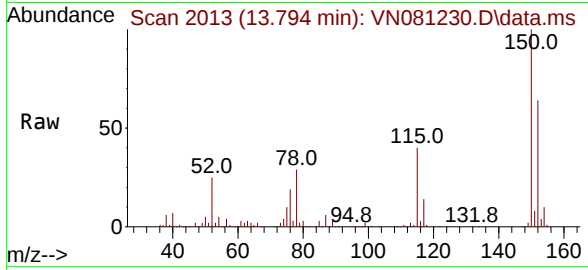
Tgt Ion: 117 Resp: 531117
Ion Ratio Lower Upper
117 100
82 56.5 52.7 79.1
119 30.1 25.3 37.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081230.D
 Acq: 27 Feb 2024 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D1-20240222



Tgt Ion:	152	Resp:	210669
Ion	Ratio	Lower	Upper
152	100		
115	62.9	32.3	96.8
150	155.3	0.0	339.8

