

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022924\
 Data File : VN081267.D
 Acq On : 29 Feb 2024 14:26
 Operator : JC\MD
 Sample : P1590-18DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20240222DL

Quant Time: Feb 29 23:51:46 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)

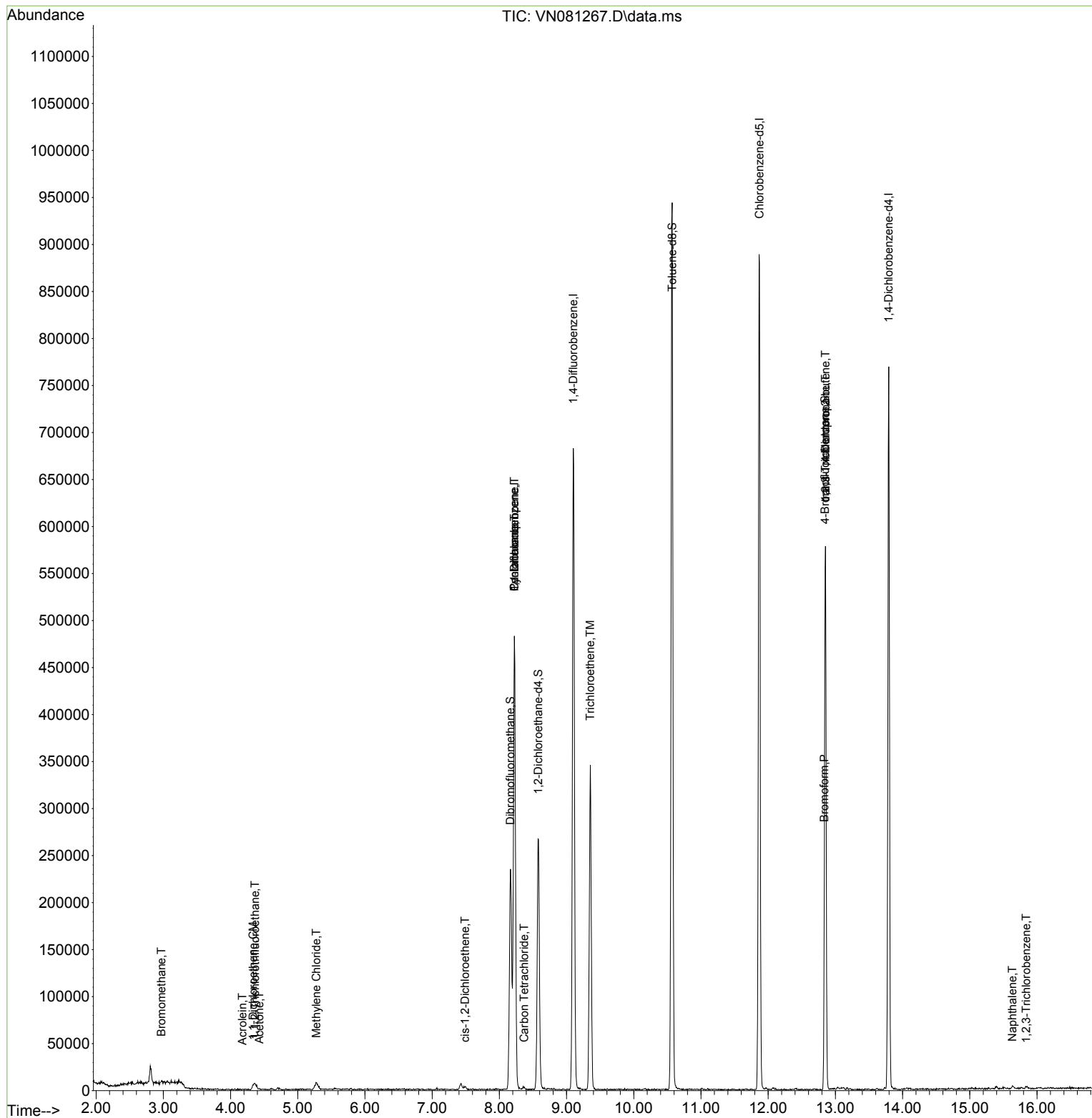
Internal Standards						
1) Pentafluorobenzene	8.224	168	315157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	587717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	504767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	189052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	214838	55.615	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.240%
35) Dibromofluoromethane	8.165	113	170445	51.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.580%
50) Toluene-d8	10.571	98	653684	55.380	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.760%
62) 4-Bromofluorobenzene	12.847	95	200640	45.237	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1095	Below Cal	#	75
5) Bromomethane	2.971	94	1697	0.528	ug/l #	65
6) Chloroethane	3.130	64	94	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.365	101	2089	0.567	ug/l #	38
12) 1,1-Dichloroethene	4.336	96	2739	0.769	ug/l #	77
13) Acrolein	4.177	56	290	0.762	ug/l #	6
16) Acetone	4.430	43	732	0.482	ug/l	94
20) Methylene Chloride	5.277	84	5762	0.546	ug/l #	84
27) cis-1,2-Dichloroethene	7.488	96	1691	0.366	ug/l	65
31) Cyclohexane	8.224	56	8944	1.341	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	29881	5.248	ug/l #	52
38) Carbon Tetrachloride	8.371	117	1567	0.272	ug/l #	63
44) Trichloroethene	9.353	130	118349	26.962	ug/l	98
71) Bromoform	12.835	173	787	0.316	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	109721	25.544	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109721	65.748	ug/l #	14
95) Naphthalene	15.635	128	2908	0.212	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.841	180	785	0.211	ug/l #	73

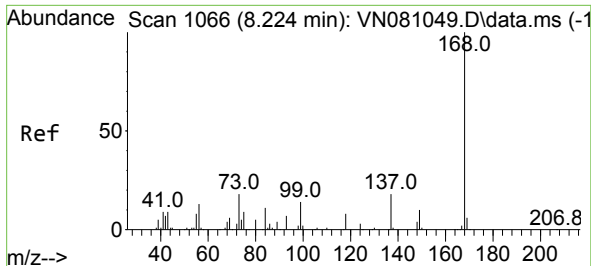
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

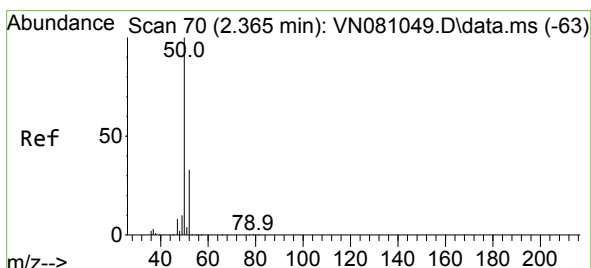
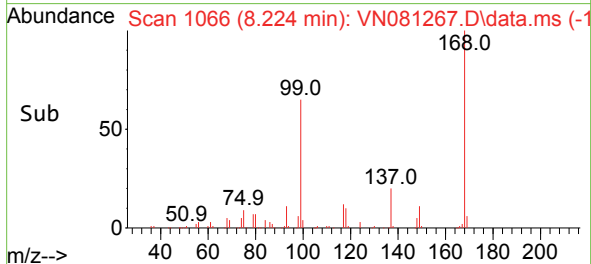
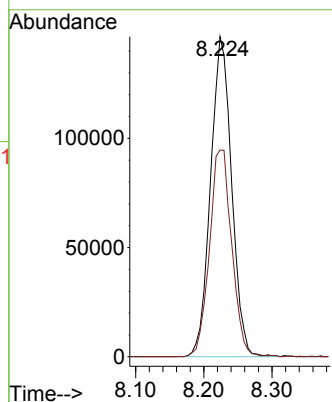
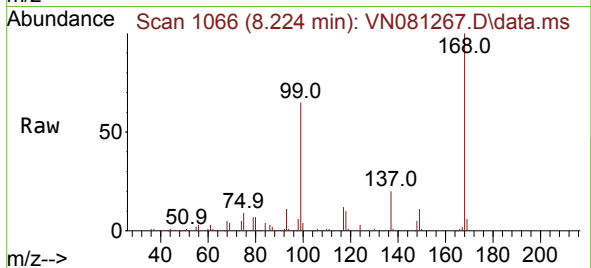




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

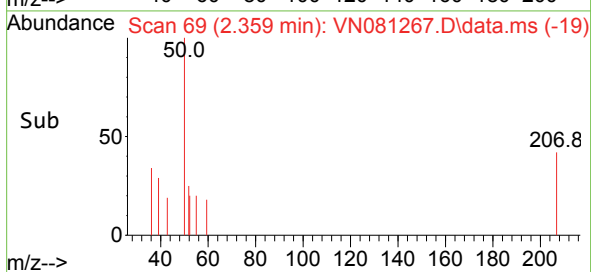
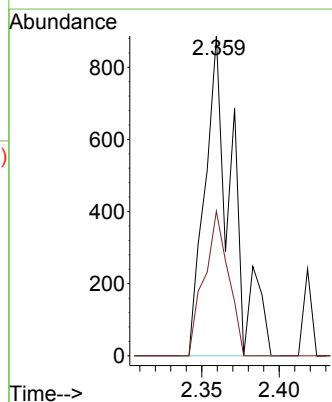
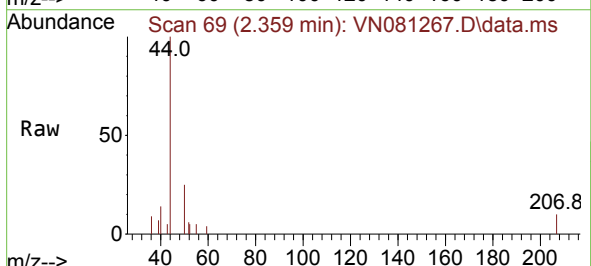
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222DL

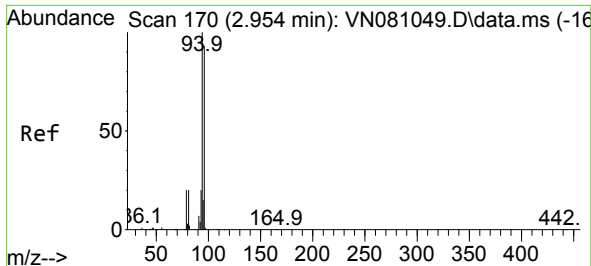
Tgt Ion:168 Resp: 315157
Ion Ratio Lower Upper
168 100
99 64.6 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Tgt Ion: 50 Resp: 1095
Ion Ratio Lower Upper
50 100
52 45.2 25.0 37.4#

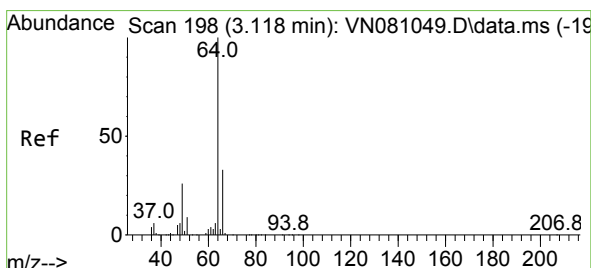
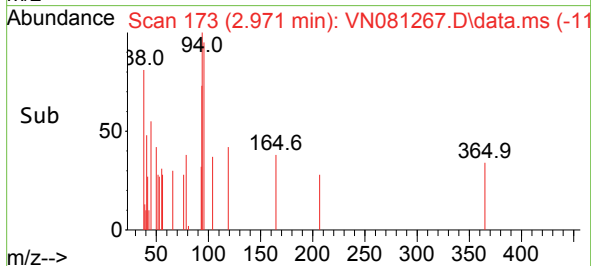
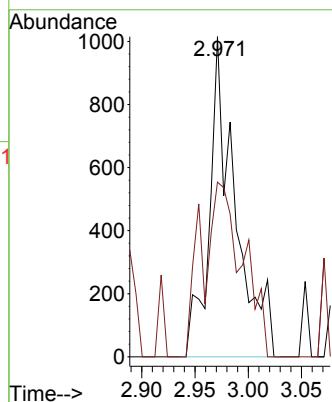
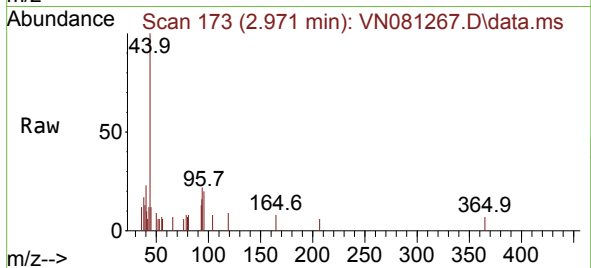




#5
Bromomethane
Concen: 0.528 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

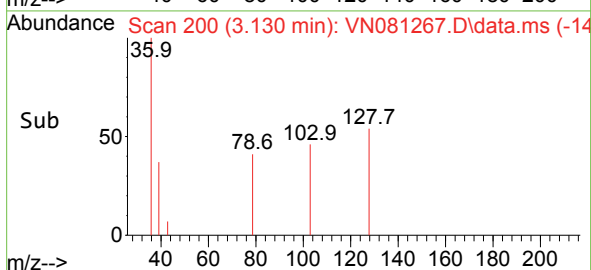
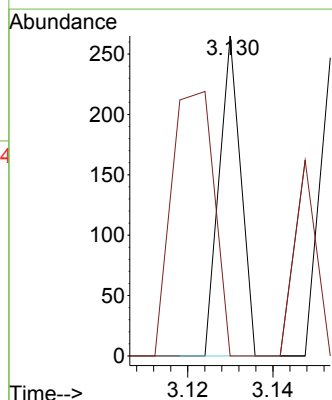
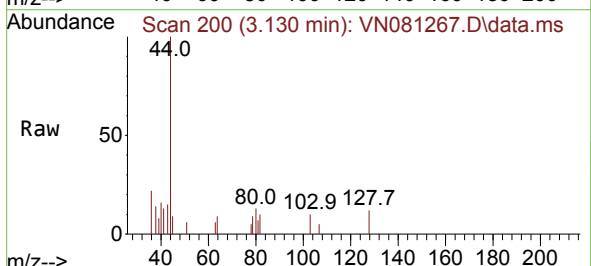
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222DL

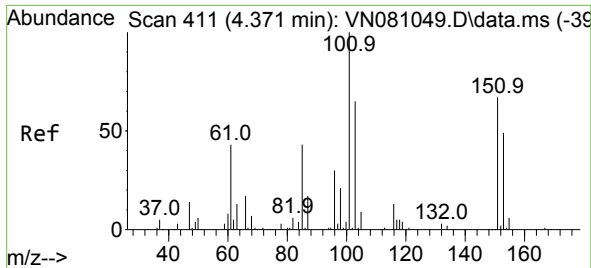
Tgt Ion: 94 Resp: 1697
Ion Ratio Lower Upper
94 100
96 54.6 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Tgt Ion: 64 Resp: 94
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

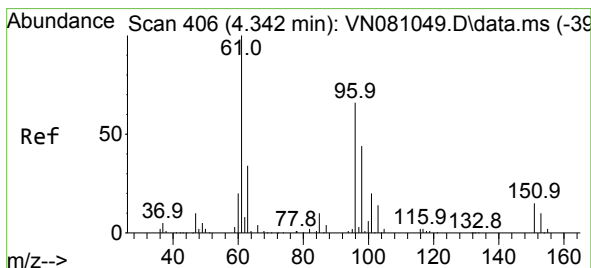
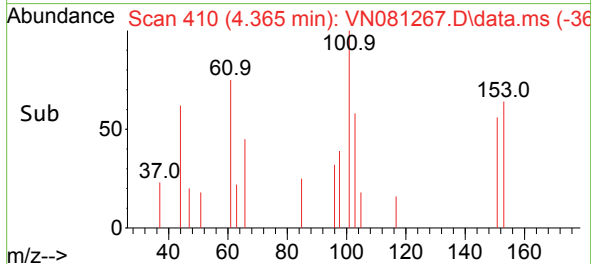
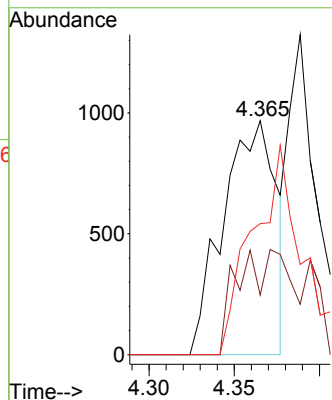
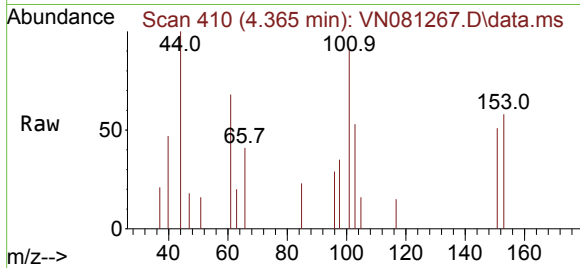




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.567 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

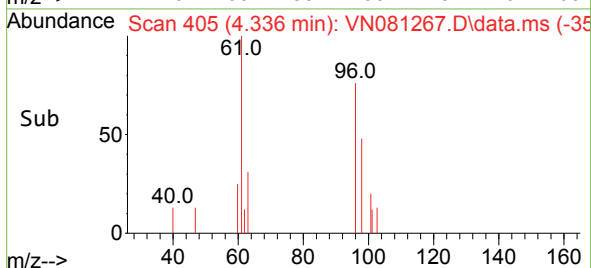
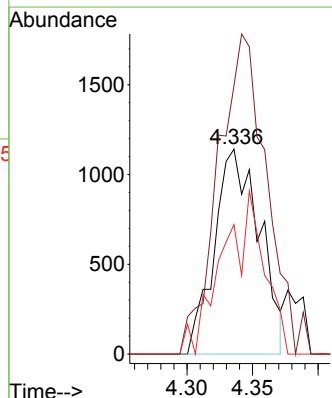
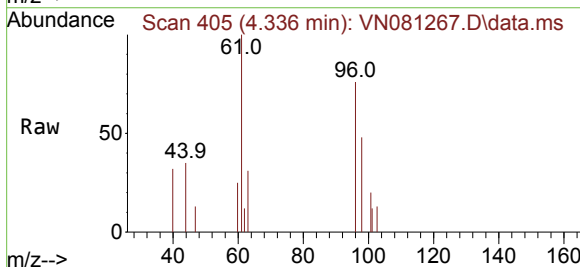
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222DL

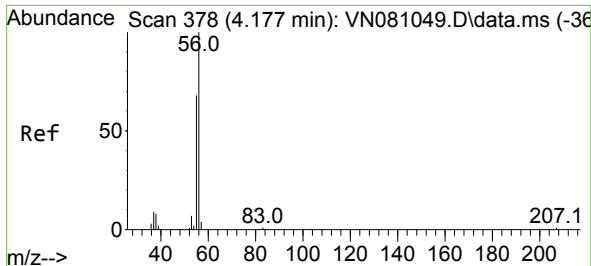
Tgt Ion:101 Resp: 2089
Ion Ratio Lower Upper
101 100
85 22.2 38.1 57.1#
151 0.0 49.1 73.7#



#12
1,1-Dichloroethene
Concen: 0.769 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

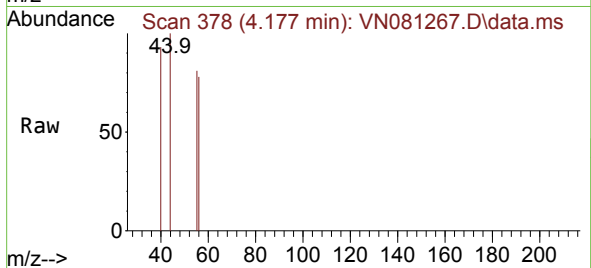
Tgt Ion: 96 Resp: 2739
Ion Ratio Lower Upper
96 100
61 130.9 138.2 207.4#
98 63.2 49.2 73.8



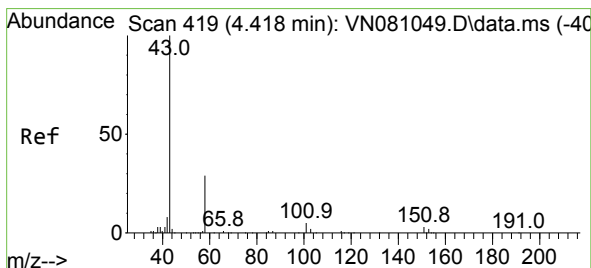
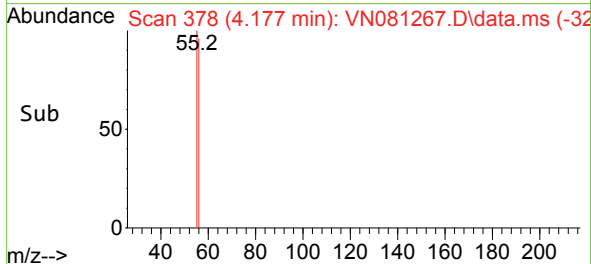
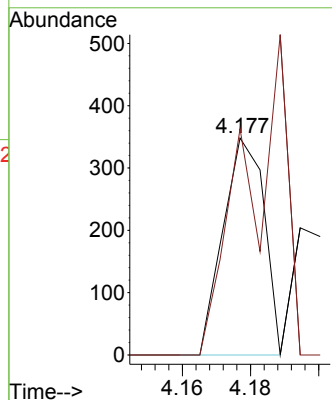


#13
Acrolein
Concen: 0.762 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222DL

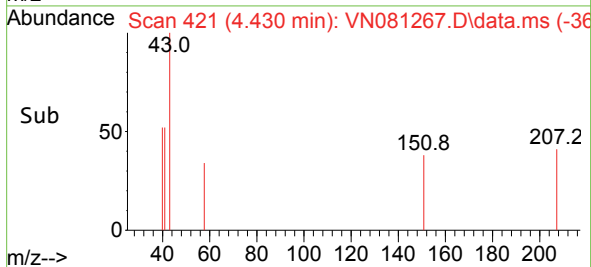
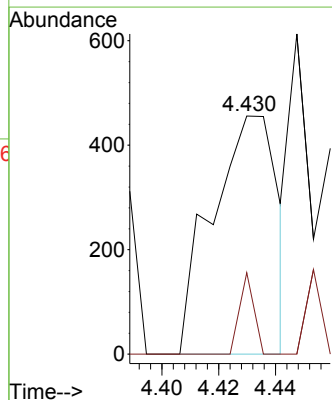
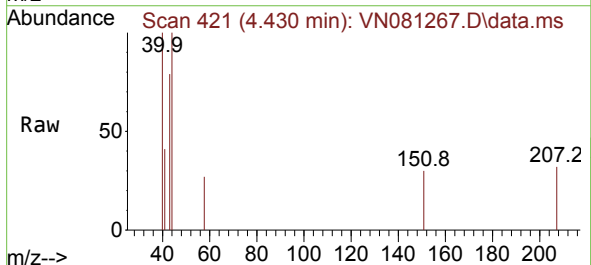


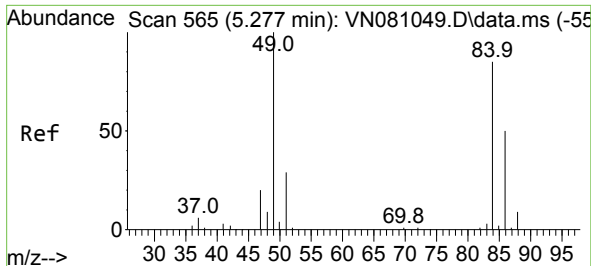
Tgt Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
55 145.5 55.3 82.9#



#16
Acetone
Concen: 0.482 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

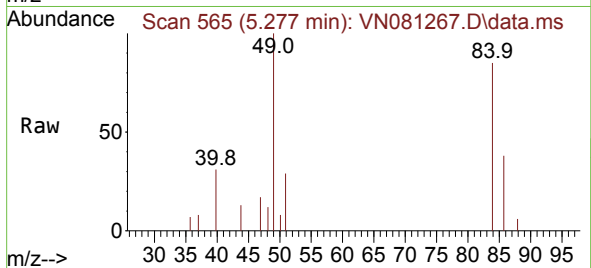
Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 34.2 24.8 37.2



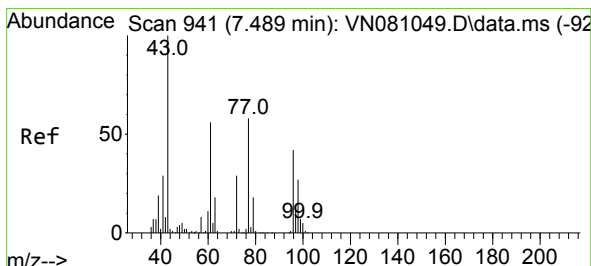
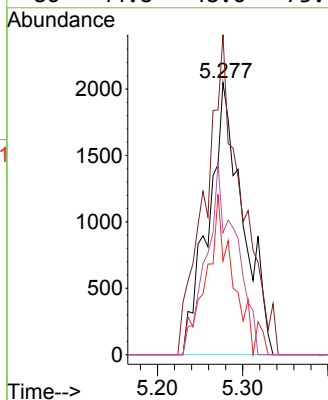
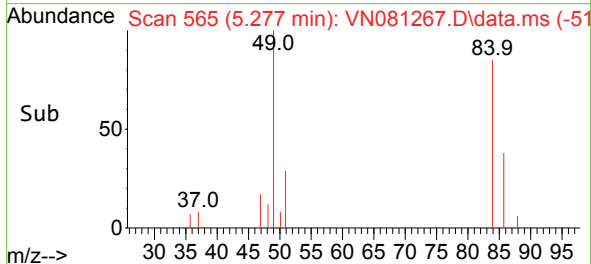


#20
Methylene Chloride
Concen: 0.546 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

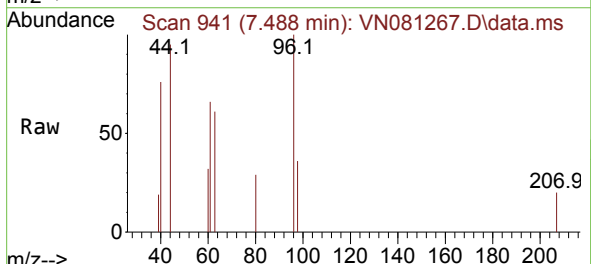
Instrument :
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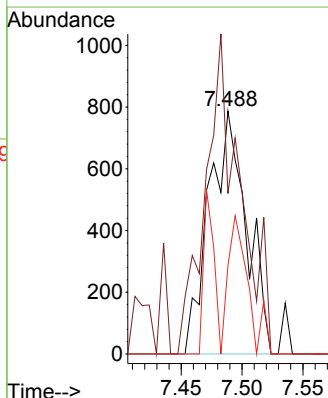
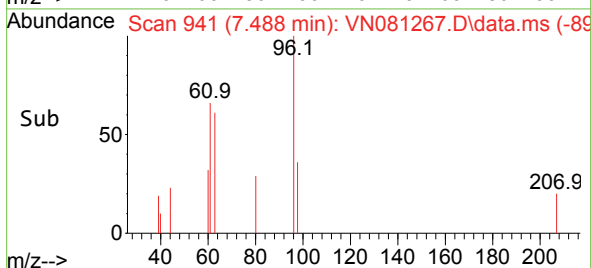
Tgt Ion: 84 Resp: 5762
Ion Ratio Lower Upper
84 100
49 117.6 108.1 162.1
51 34.5 32.9 49.3
86 44.8 48.6 73.0#

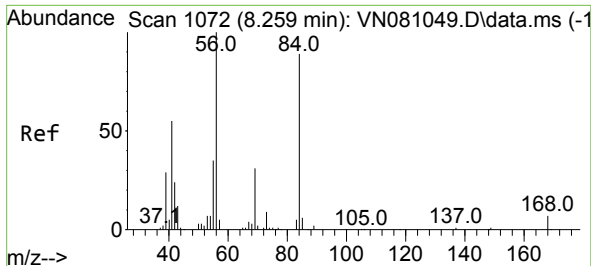


#27
cis-1,2-Dichloroethene
Concen: 0.366 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26



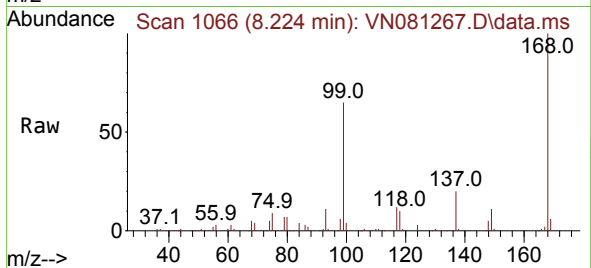
Tgt Ion: 96 Resp: 1691
Ion Ratio Lower Upper
96 100
61 121.1 0.0 325.4
98 30.3 0.0 130.4



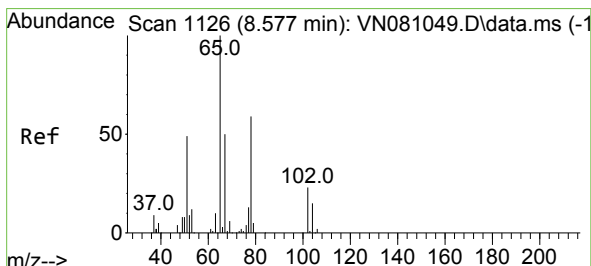
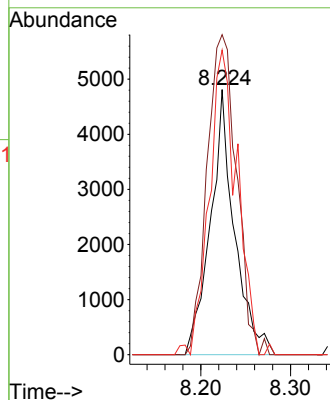
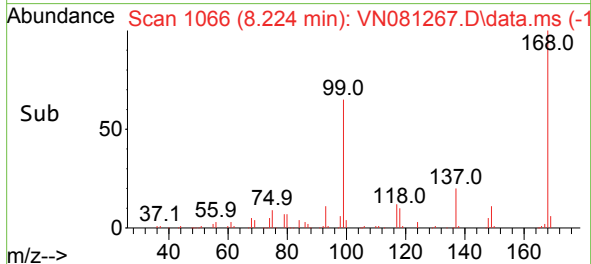


#31
Cyclohexane
Concen: 1.341 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Instrument :
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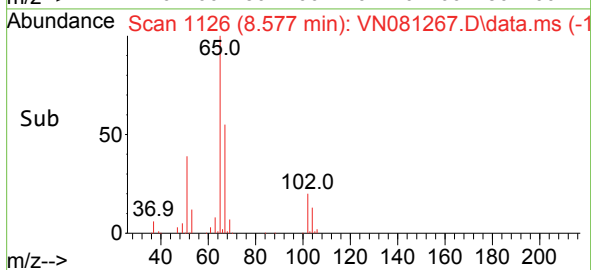
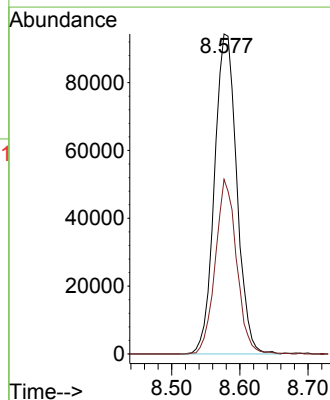
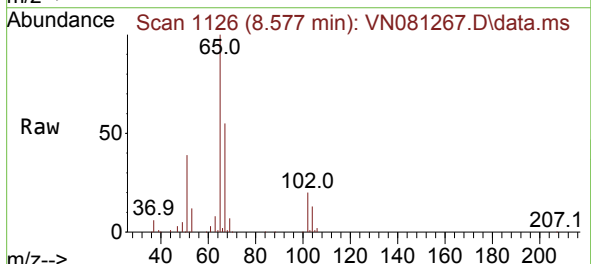


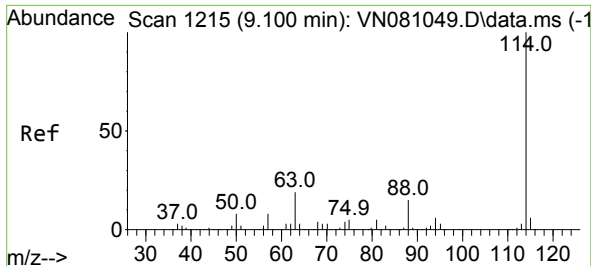
Tgt Ion: 56 Resp: 8944
Ion Ratio Lower Upper
56 100
69 120.7 20.1 30.1#
84 114.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 55.615 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Tgt Ion: 65 Resp: 214838
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.4

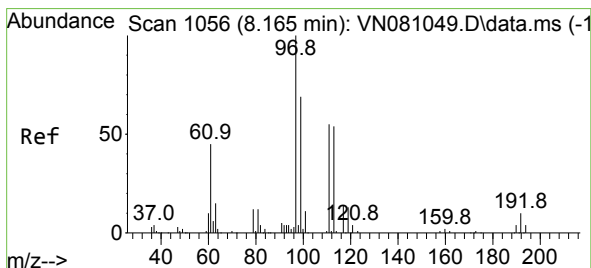
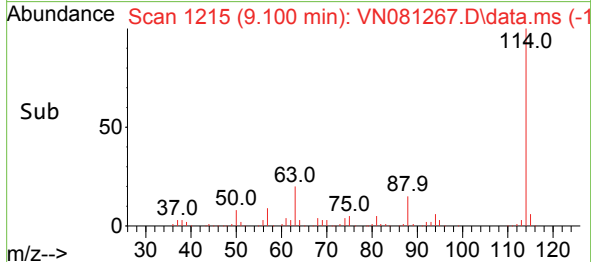
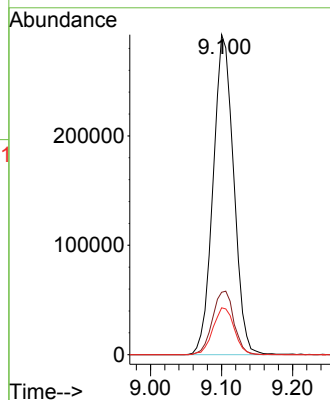
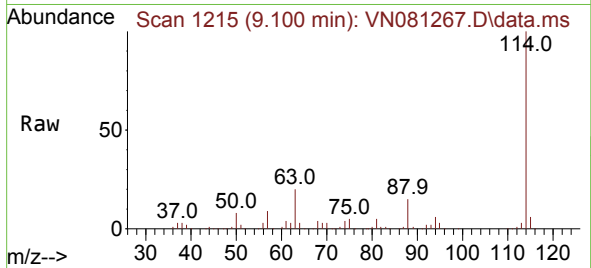




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

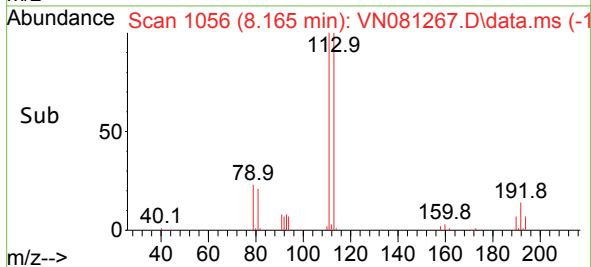
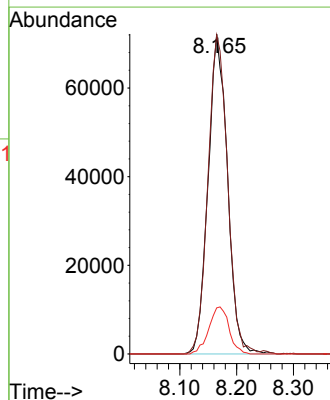
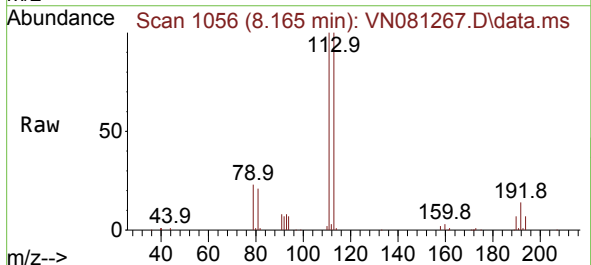
Instrument :
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ClientSampleId :
RE139D2-20240222DL

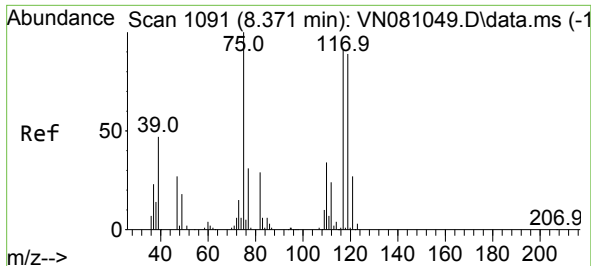
Tgt Ion:114 Resp: 587717
Ion Ratio Lower Upper
114 100
63 19.5 0.0 48.0
88 14.7 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.287 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

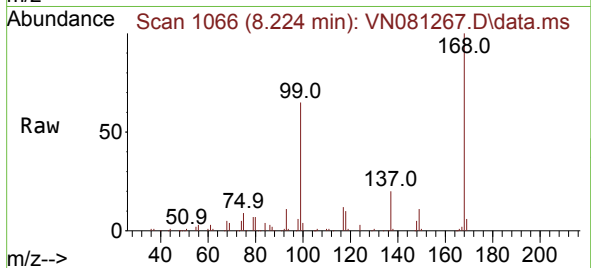
Tgt Ion:113 Resp: 170445
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 15.4 12.5 18.7



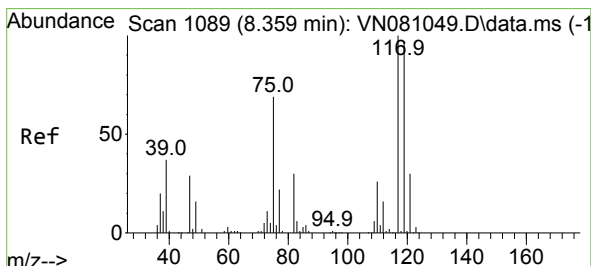
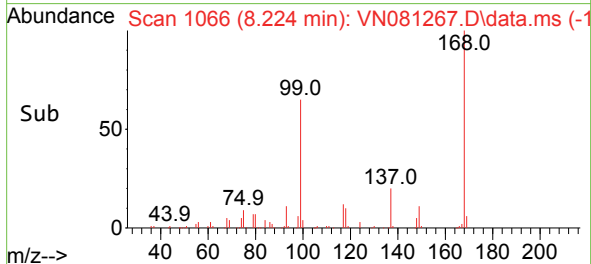
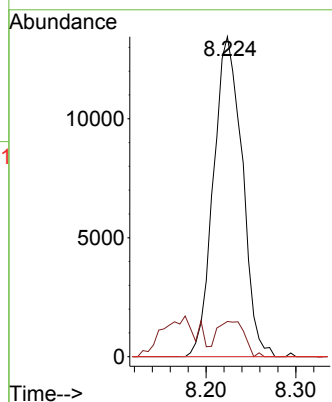


#36
1,1-Dichloropropene
Concen: 5.248 ug/l
RT: 8.224 min Scan# 1091
Delta R.T. -0.147 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222DL

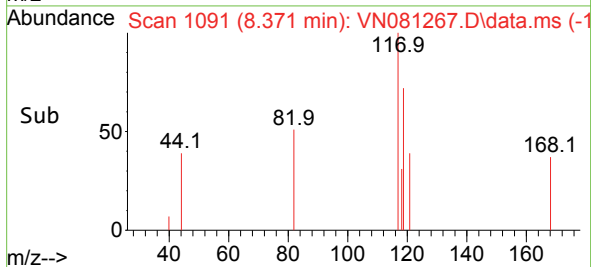
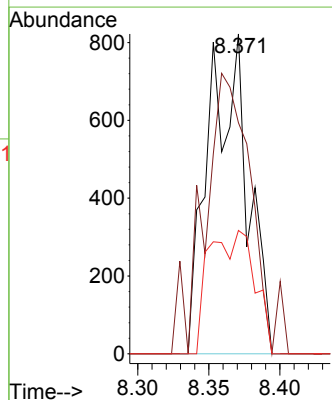
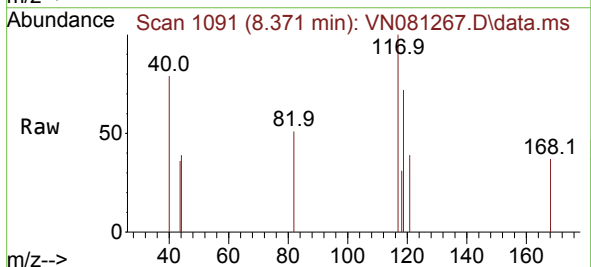


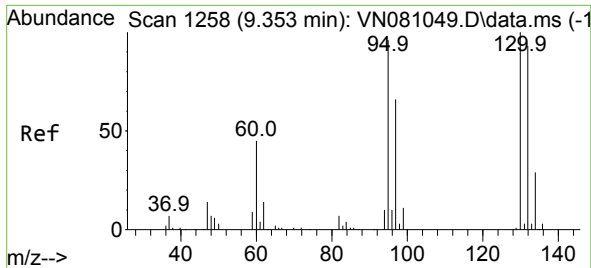
Tgt Ion: 75 Resp: 29881
Ion Ratio Lower Upper
75 100
110 10.3 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 0.272 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.012 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Tgt Ion: 117 Resp: 1567
Ion Ratio Lower Upper
117 100
119 49.6 73.4 110.2#
121 38.6 24.4 36.6#

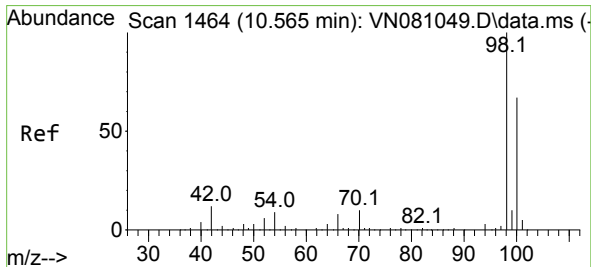
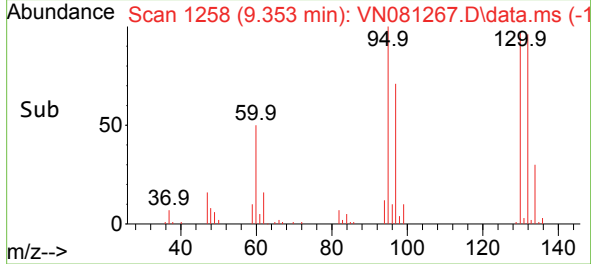
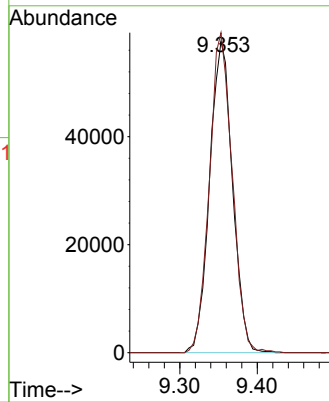
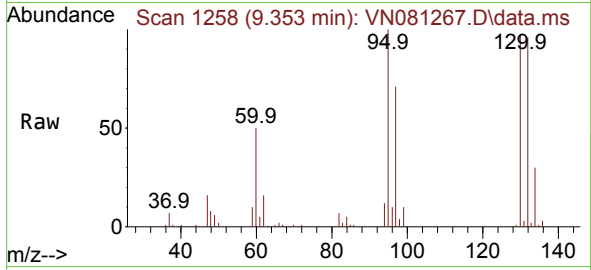




#44
Trichloroethene
Concen: 26.962 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

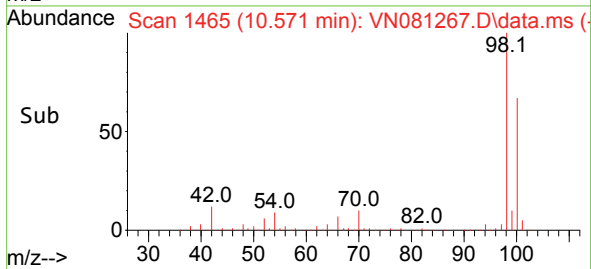
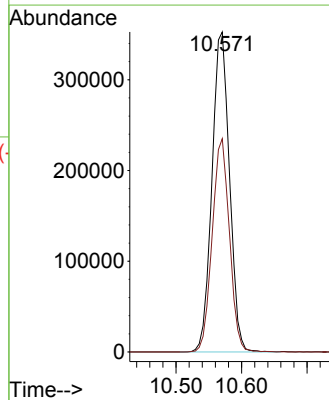
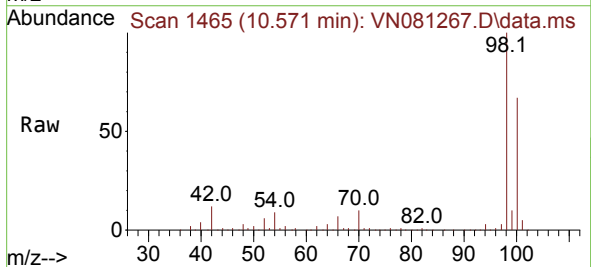
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222DL

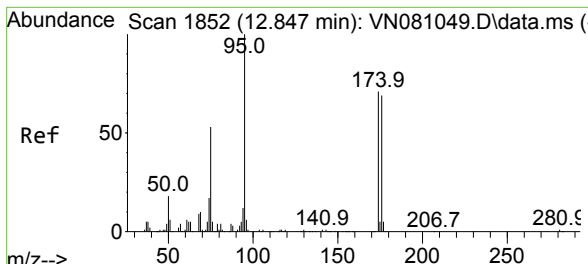
Tgt Ion:130 Resp: 118349
Ion Ratio Lower Upper
130 100
95 102.8 0.0 210.4



#50
Toluene-d8
Concen: 55.380 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Tgt Ion: 98 Resp: 653684
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0

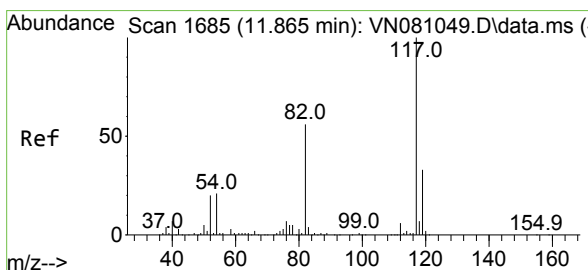
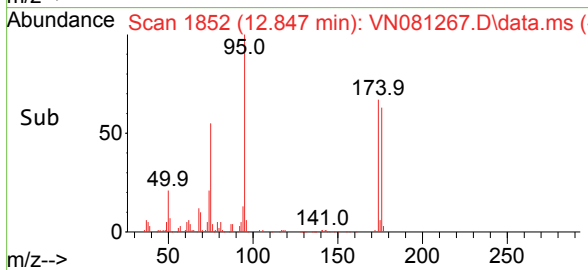
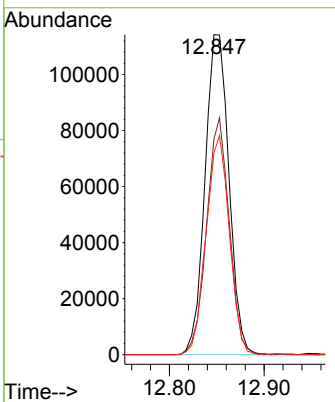
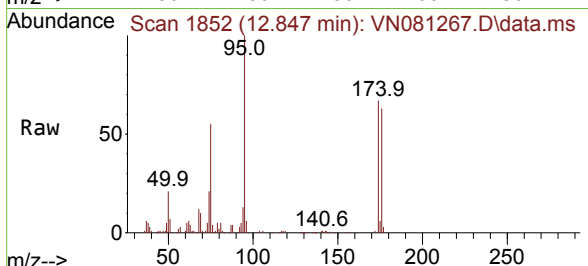




#62
 4-Bromofluorobenzene
 Concen: 45.237 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN081267.D
 Acq: 29 Feb 2024 14:26

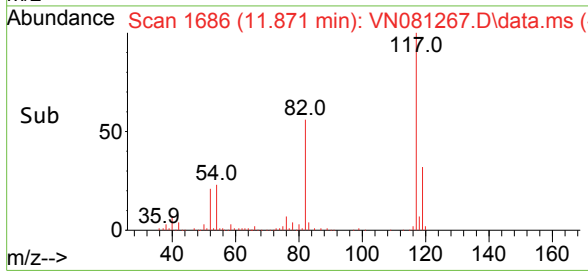
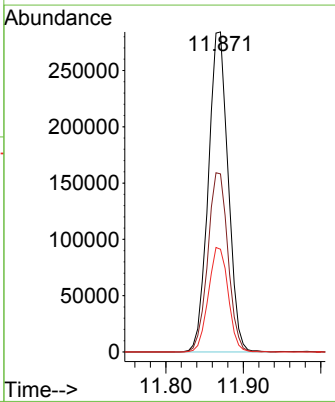
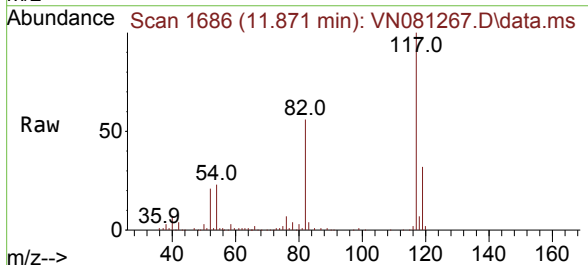
Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20240222DL

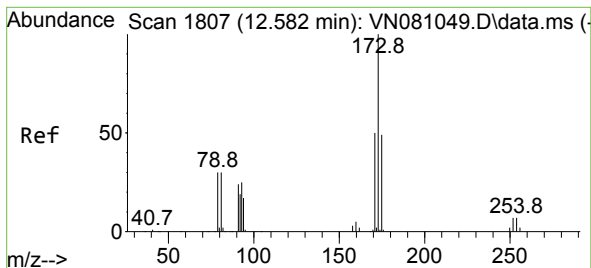
Tgt Ion:	95	Resp:	200640
Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	120.4
176	66.3	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081267.D
 Acq: 29 Feb 2024 14:26

Tgt Ion:	117	Resp:	504767
Ion	Ratio	Lower	Upper
117	100		
82	55.7	52.7	79.1
119	32.1	25.3	37.9





#71

Bromoform

Concen: 0.316 ug/l

RT: 12.835 min Scan# 1807

Delta R.T. 0.253 min

Lab File: VN081267.D

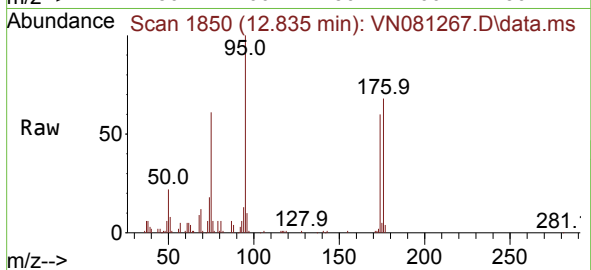
Acq: 29 Feb 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20240222DL



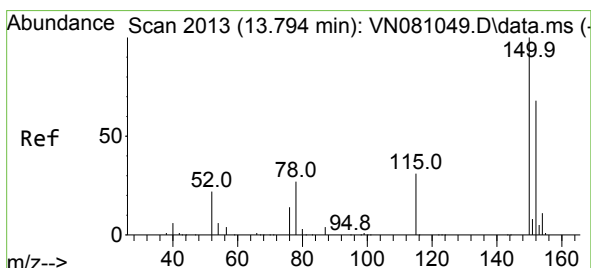
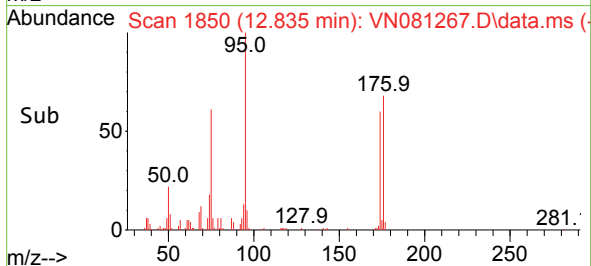
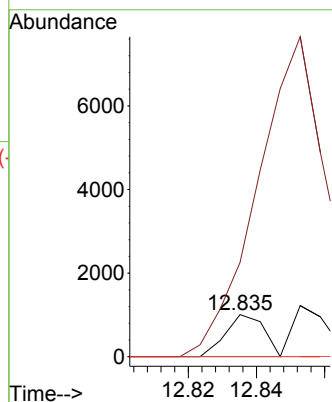
Tgt Ion:173 Resp: 787

Ion Ratio Lower Upper

173 100

175 0.0 23.1 69.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081267.D

Acq: 29 Feb 2024 14:26

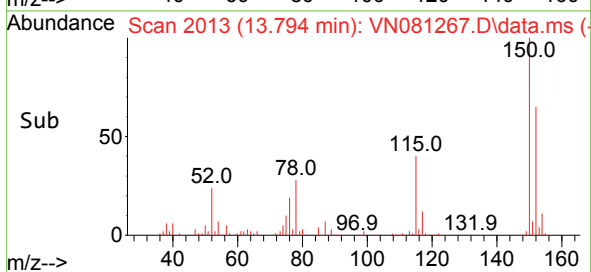
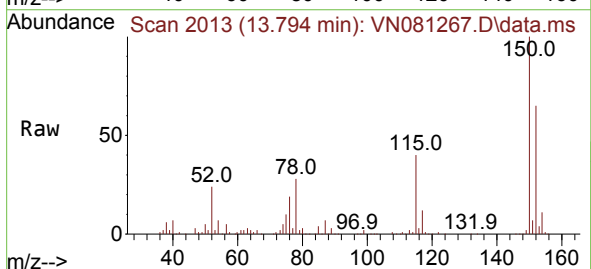
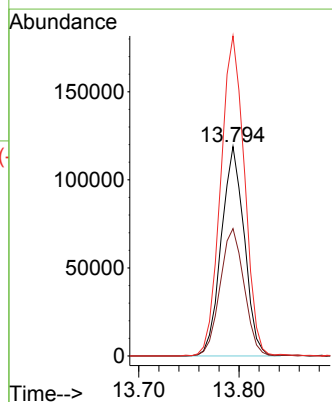
Tgt Ion:152 Resp: 189052

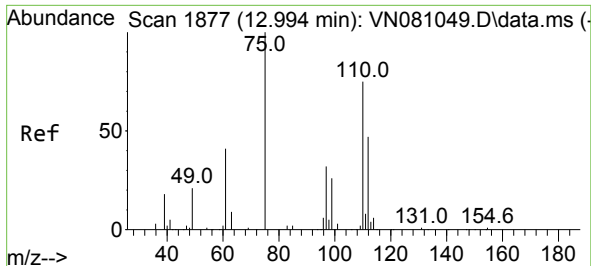
Ion Ratio Lower Upper

152 100

115 63.8 32.3 96.8

150 158.9 0.0 339.8

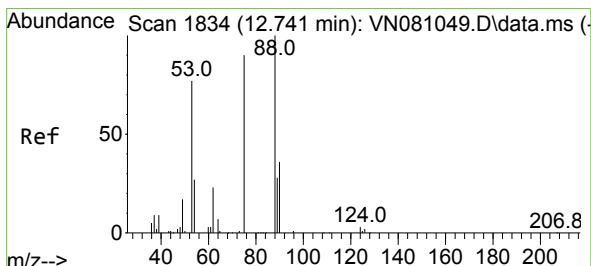
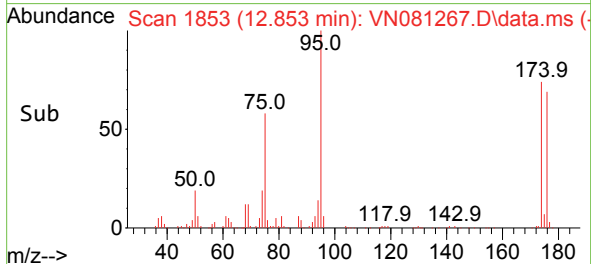
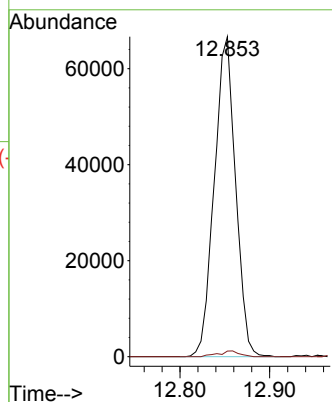
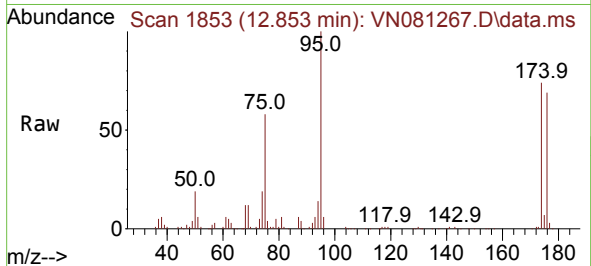




#76
1,2,3-Trichloropropane
Concen: 25.544 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

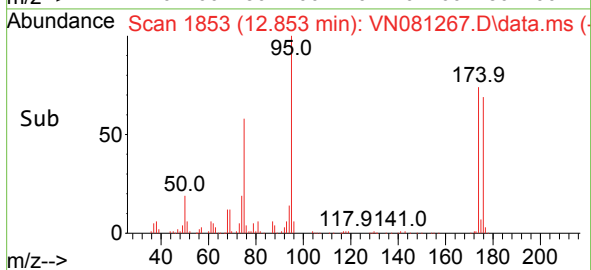
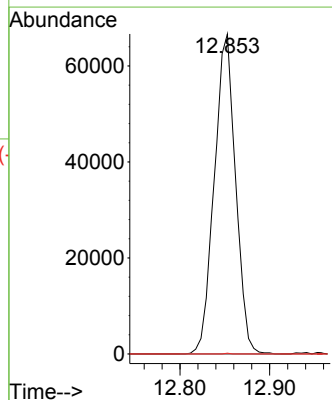
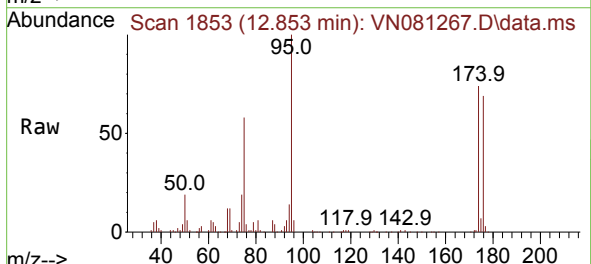
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222DL

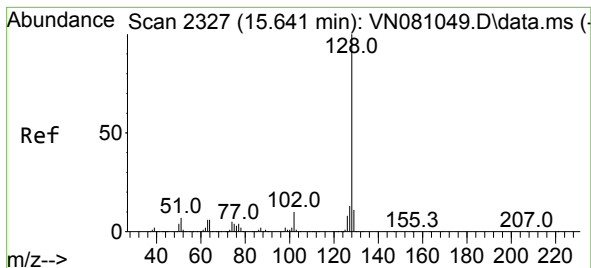
Tgt Ion: 75 Resp: 109721
Ion Ratio Lower Upper
75 100
77 1.8 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.748 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081267.D
Acq: 29 Feb 2024 14:26

Tgt Ion: 75 Resp: 109721
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#





#95

Naphthalene

Concen: 0.212 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN081267.D

Acq: 29 Feb 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20240222DL

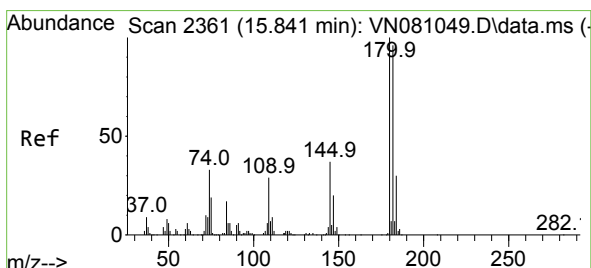
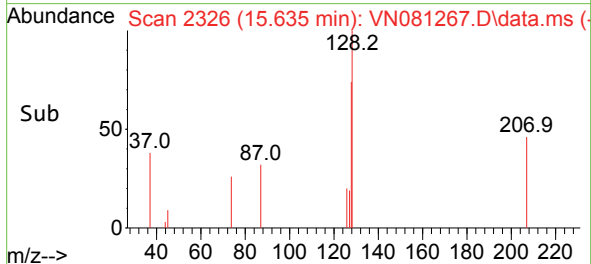
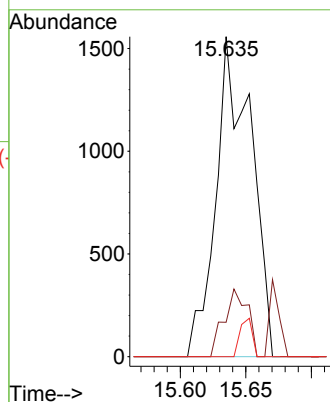
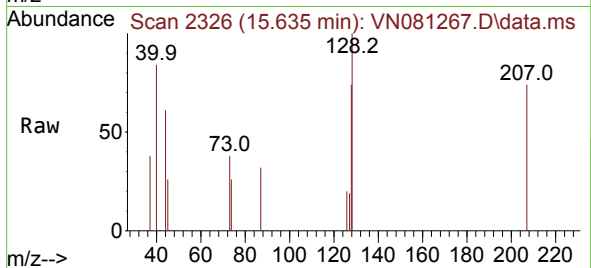
Tgt Ion:128 Resp: 2908

Ion Ratio Lower Upper

128 100

127 14.1 10.0 15.0

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.211 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN081267.D

Acq: 29 Feb 2024 14:26

Tgt Ion:180 Resp: 785

Ion Ratio Lower Upper

180 100

182 106.5 46.5 139.3

145 0.0 17.8 53.4#

