

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061424\
 Data File : VN082574.D
 Acq On : 14 Jun 2024 11:36
 Operator : JC\MD
 Sample : VN0614MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 23:43:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

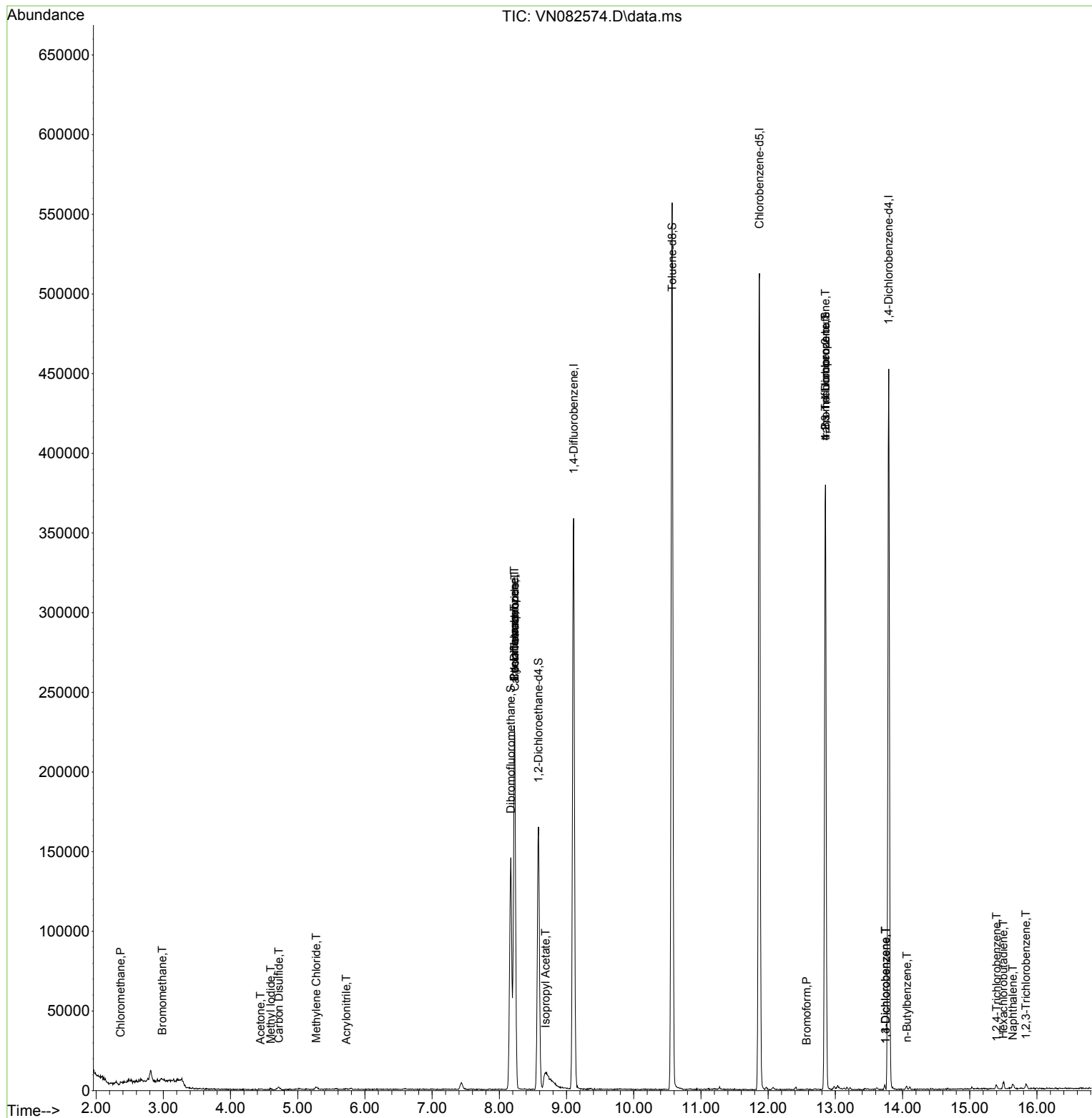
Internal Standards						
1) Pentafluorobenzene	8.224	168	157829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	285863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	274895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136322	54.700	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.400%	
35) Dibromofluoromethane	8.171	113	98126	55.801	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.600%	
50) Toluene-d8	10.571	98	367424	54.498	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.000%	
62) 4-Bromofluorobenzene	12.853	95	121781	50.608	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	719	0.279	ug/l #	43
5) Bromomethane	2.983	94	1492	1.071	ug/l #	72
10) Methyl Iodide	4.600	142	781	0.419	ug/l #	75
15) Acrylonitrile	5.724	53	418	0.403	ug/l #	31
16) Acetone	4.448	43	680	0.665	ug/l #	43
17) Carbon Disulfide	4.718	76	3456	0.621	ug/l #	74
20) Methylene Chloride	5.277	84	941	0.456	ug/l	94
31) Cyclohexane	8.224	56	4182	1.051	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	14079	4.774	ug/l #	44
38) Carbon Tetrachloride	8.230	117	16541	5.533	ug/l #	16
43) Isopropyl Acetate	8.688	43	7911	1.353	ug/l #	52
71) Bromoform	12.571	173	253	0.858	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	68191	28.412	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68191	66.454	ug/l #	13
87) 1,3-Dichlorobenzene	13.747	146	936	0.239	ug/l	87
88) 1,4-Dichlorobenzene	13.747	146	936	0.234	ug/l	90
89) n-Butylbenzene	14.065	91	1611	0.248	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	1251	0.603	ug/l #	71
94) Hexachlorobutadiene	15.500	225	978	1.074	ug/l	97
95) Naphthalene	15.641	128	4284	0.659	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.835	180	1573	0.757	ug/l	89

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

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Sample : VN0614MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

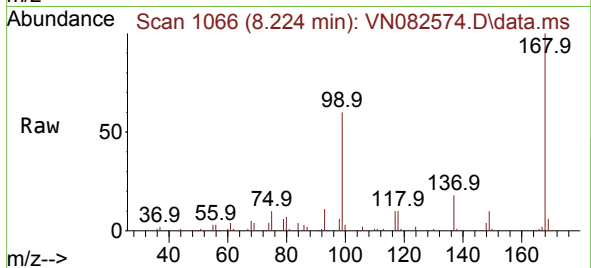
Quant Time: Jun 14 23:43:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



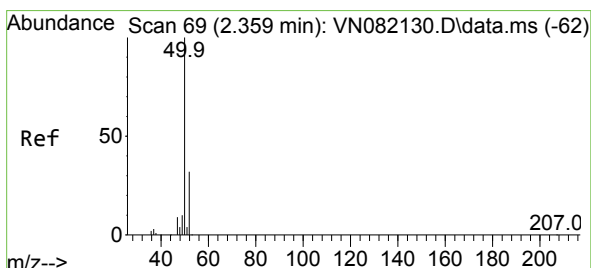
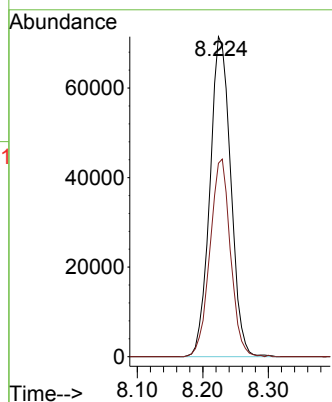
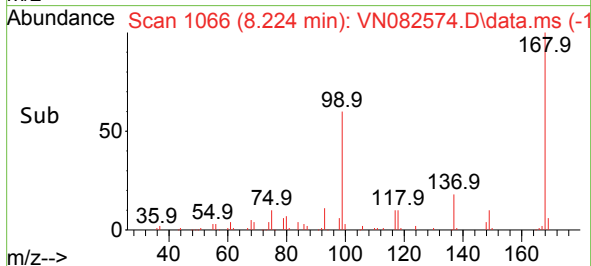


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

Instrument :
MSVOA_N
ClientSampleId :

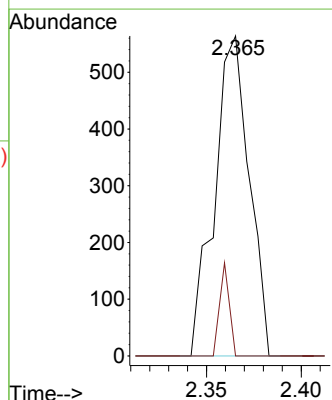
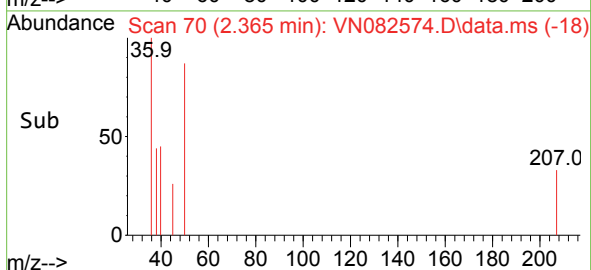
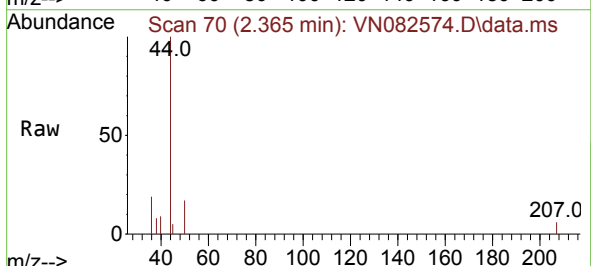


Tgt Ion:168 Resp: 157829
Ion Ratio Lower Upper
168 100
99 60.4 48.2 72.4



#3
Chloromethane
Concen: 0.279 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

Tgt Ion: 50 Resp: 719
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

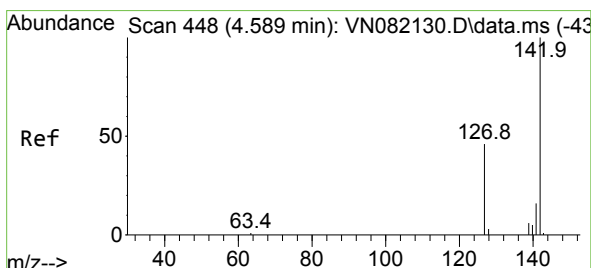
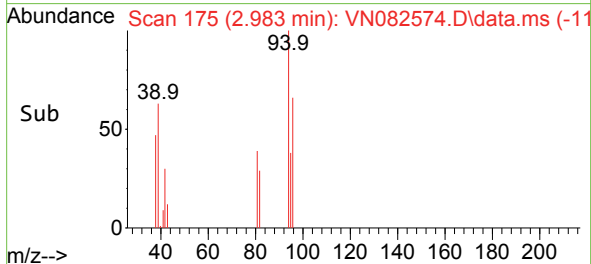
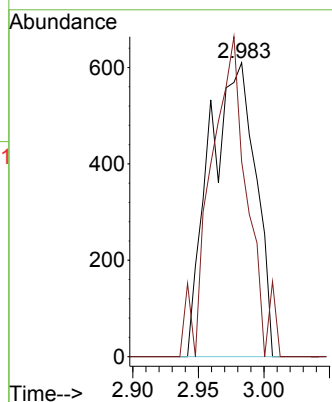
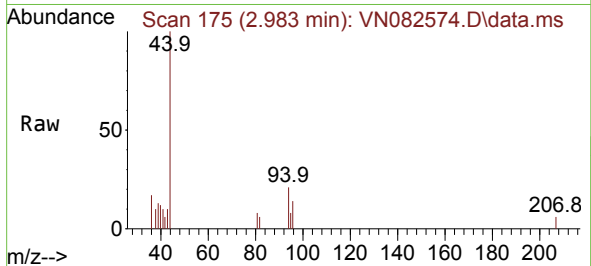




#5
Bromomethane
Concen: 1.071 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

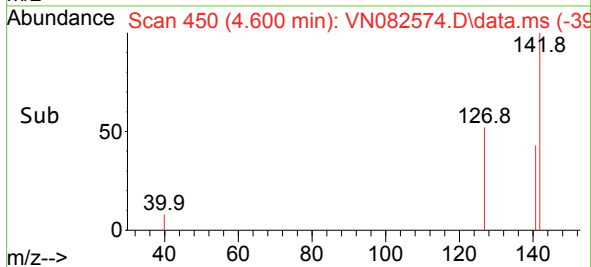
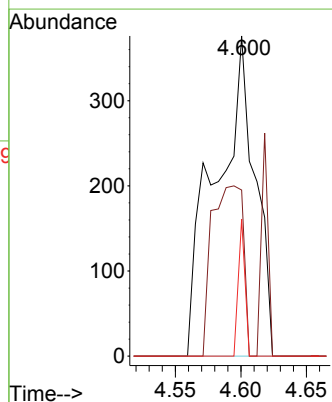
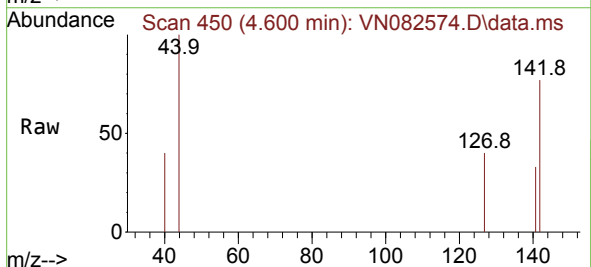
Instrument :
MSVOA_N
ClientSampleId :

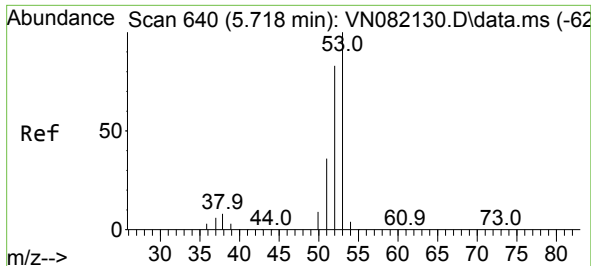
Tgt Ion: 94 Resp: 1492
Ion Ratio Lower Upper
94 100
96 66.4 74.8 112.2#



#10
Methyl Iodide
Concen: 0.419 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

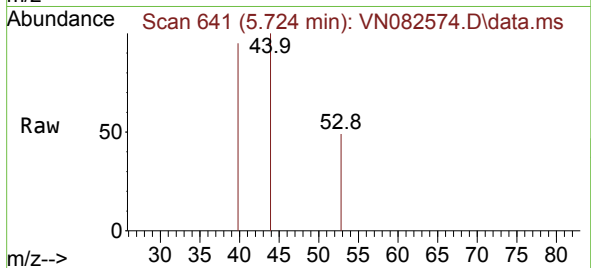
Tgt Ion:142 Resp: 781
Ion Ratio Lower Upper
142 100
127 51.9 35.8 53.6
141 42.8 11.4 17.2#



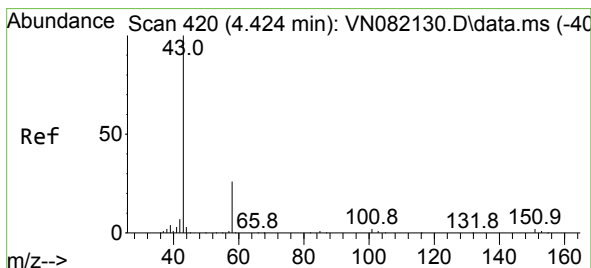
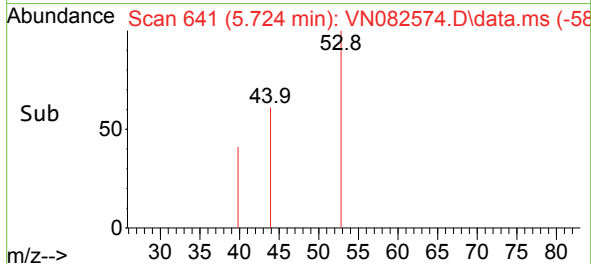
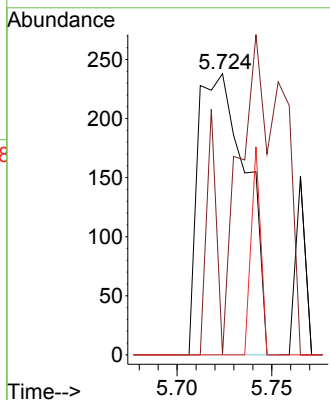


#15
Acrylonitrile
Concen: 0.403 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

Instrument :
MSVOA_N
ClientSampleId :

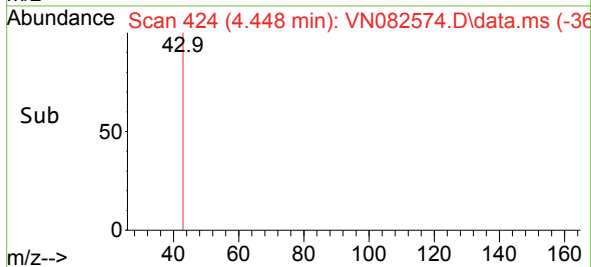
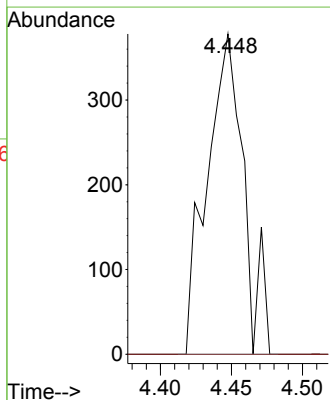
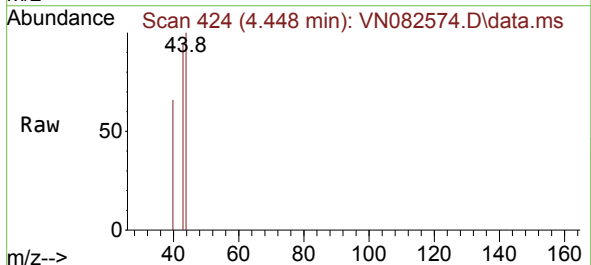


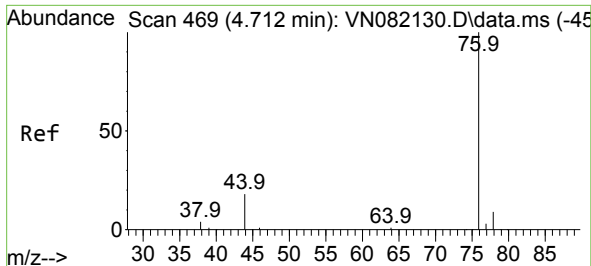
Tgt Ion: 53 Resp: 418
Ion Ratio Lower Upper
53 100
52 17.5 66.1 99.1#
51 0.0 29.4 44.2#



#16
Acetone
Concen: 0.665 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#

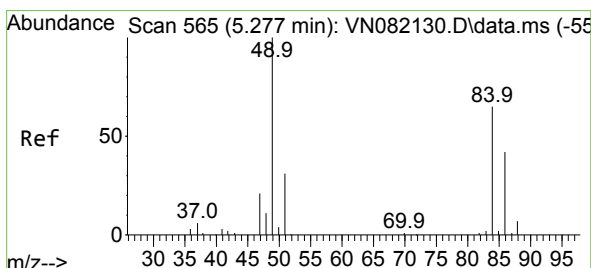
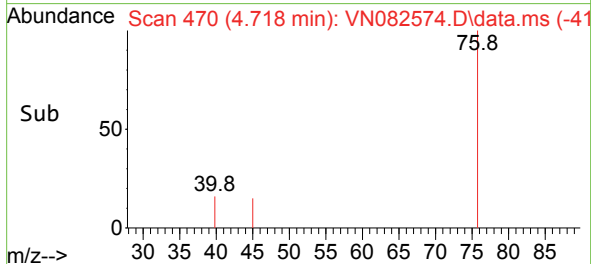
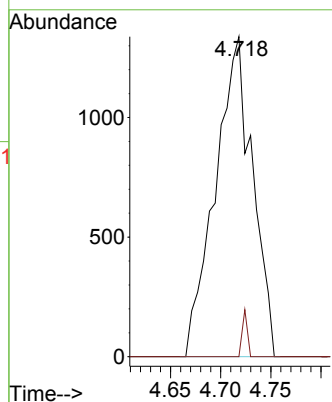
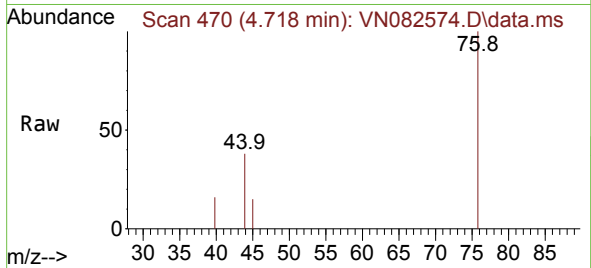




#17
Carbon Disulfide
Concen: 0.621 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

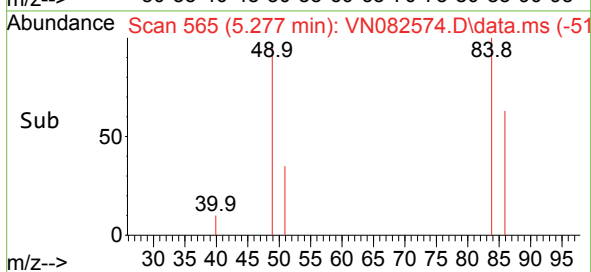
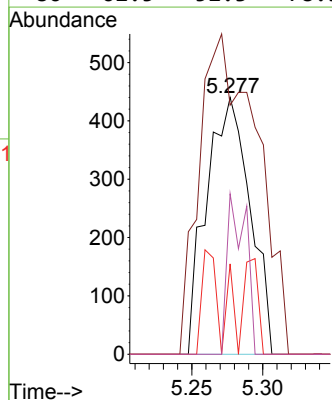
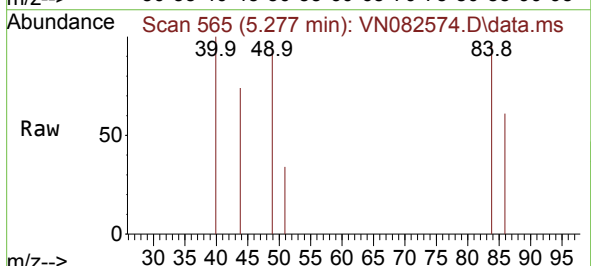
Instrument :
MSVOA_N
ClientSampleId :

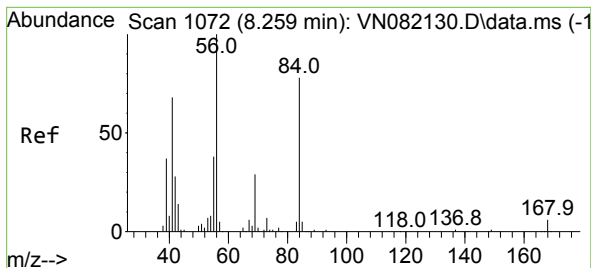
Tgt Ion: 76 Resp: 3456
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 0.456 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

Tgt Ion: 84 Resp: 941
Ion Ratio Lower Upper
84 100
49 97.0 84.9 127.3
51 35.2 27.0 40.6
86 62.5 52.3 78.5





#31

Cyclohexane

Concen: 1.051 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

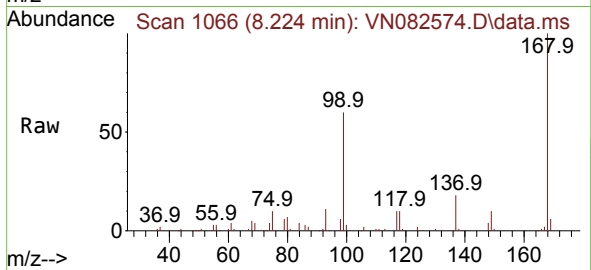
Lab File: VN082574.D

Acq: 14 Jun 2024 11:36

Instrument :

MSVOA_N

ClientSampleId :



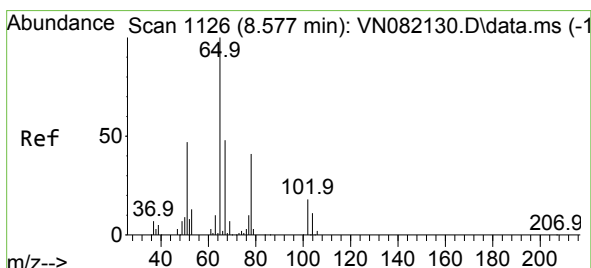
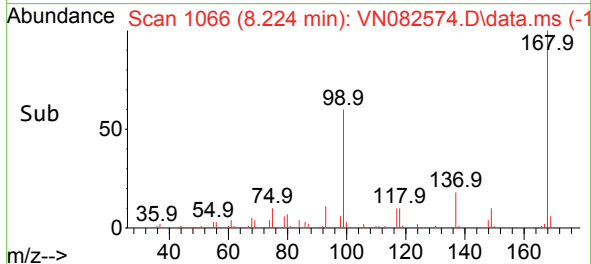
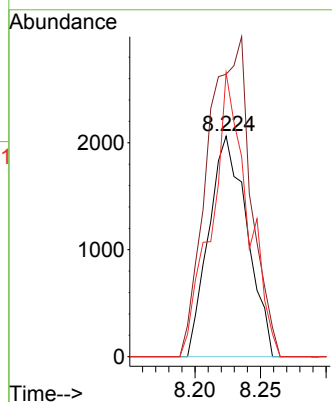
Tgt Ion: 56 Resp: 4182

Ion Ratio Lower Upper

56 100

69 128.0 24.4 36.6#

84 128.8 77.0 115.4#



#33

1,2-Dichloroethane-d4

Concen: 54.700 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082574.D

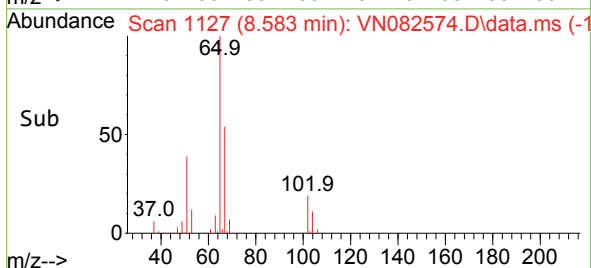
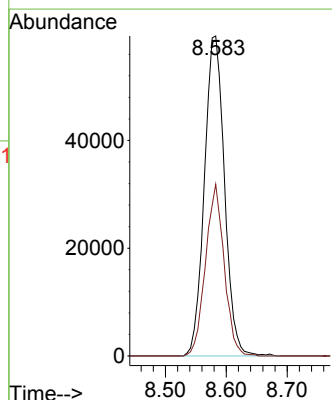
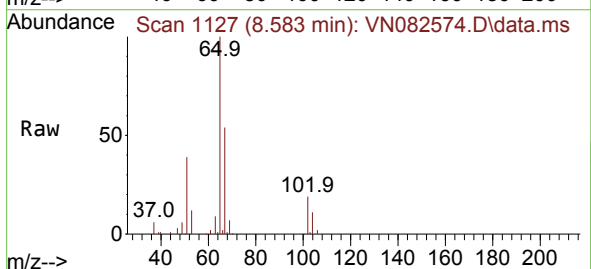
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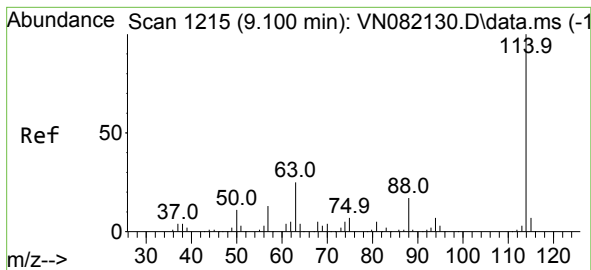
Tgt Ion: 65 Resp: 136322

Ion Ratio Lower Upper

65 100

67 49.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082574.D

Acq: 14 Jun 2024 11:36

Instrument :

MSVOA_N

ClientSampleId :

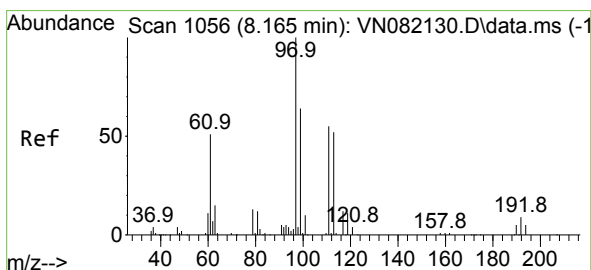
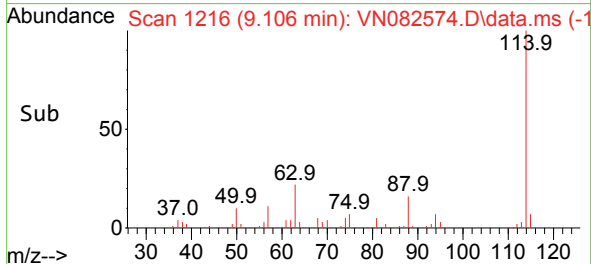
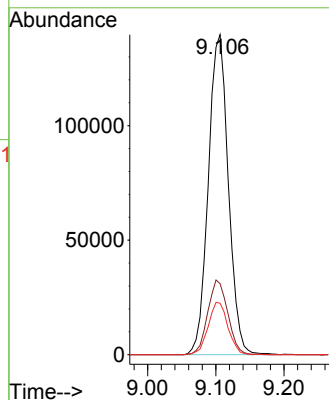
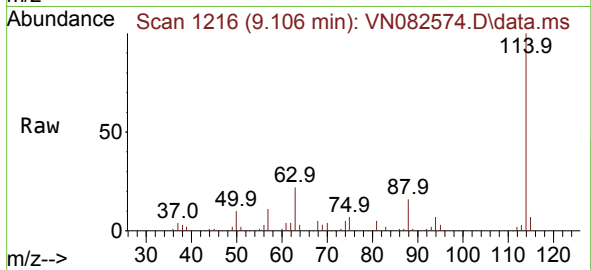
Tgt Ion:114 Resp: 285863

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.0

88 16.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 55.801 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082574.D

Acq: 14 Jun 2024 11:36

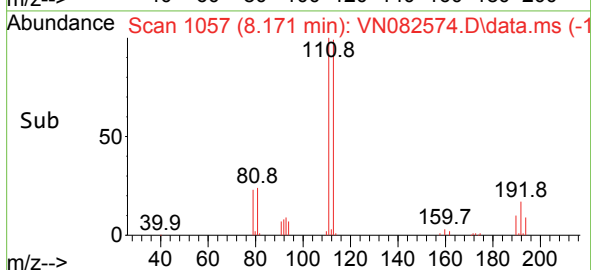
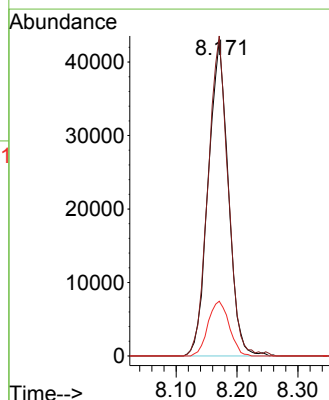
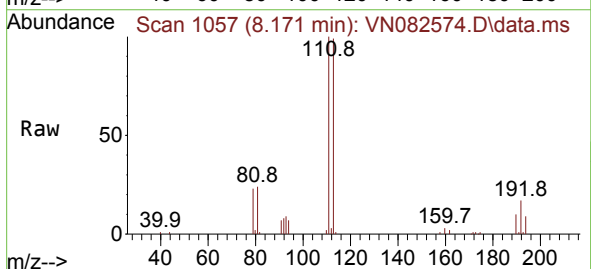
Tgt Ion:113 Resp: 98126

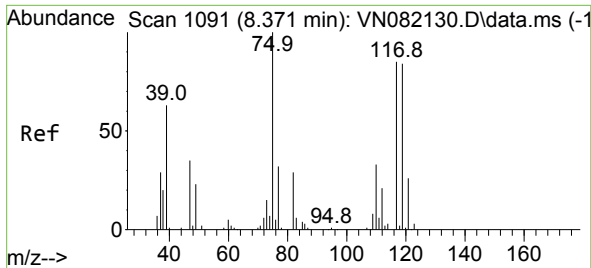
Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

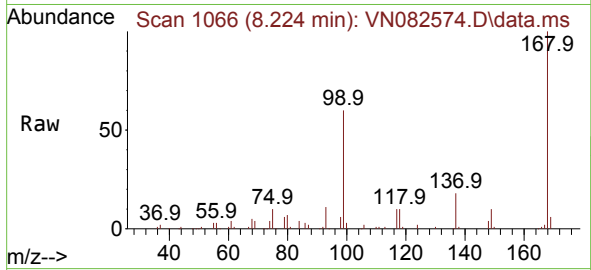
192 18.3 14.0 21.0



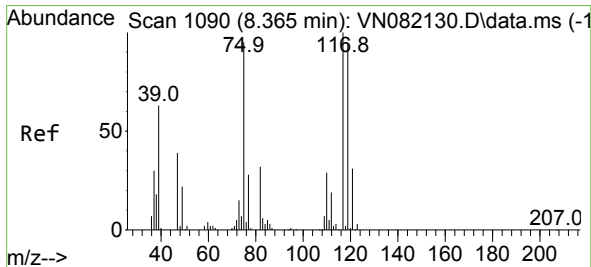
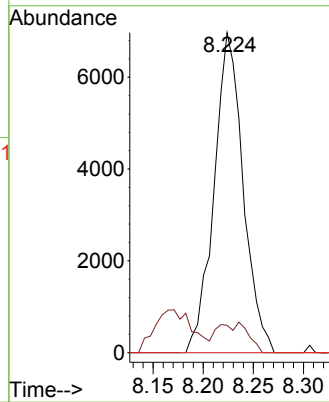
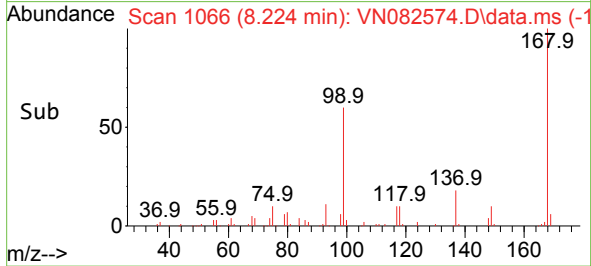


#36
1,1-Dichloropropene
Concen: 4.774 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

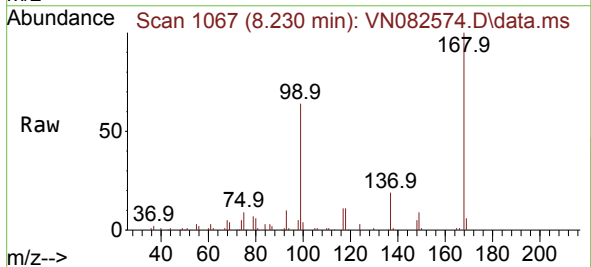
Instrument :
MSVOA_N
ClientSampleId :



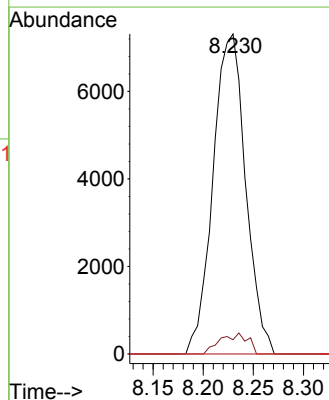
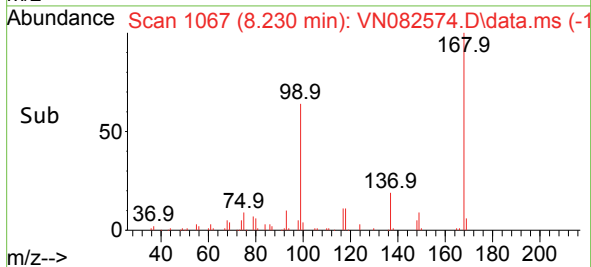
Tgt Ion: 75 Resp: 14079
Ion Ratio Lower Upper
75 100
110 3.0 17.8 53.5#
77 0.0 25.0 37.4#

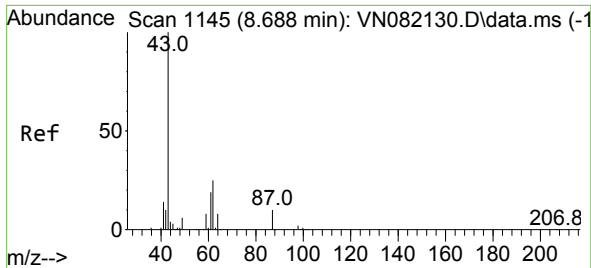


#38
Carbon Tetrachloride
Concen: 5.533 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36



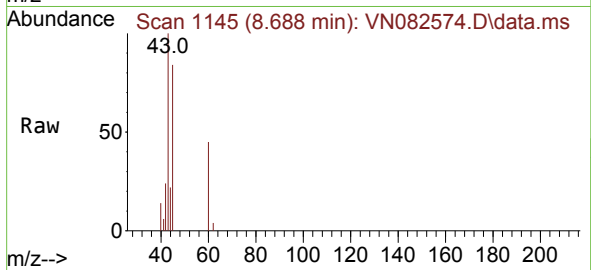
Tgt Ion: 117 Resp: 16541
Ion Ratio Lower Upper
117 100
119 4.5 76.5 114.7#
121 0.0 23.9 35.9#



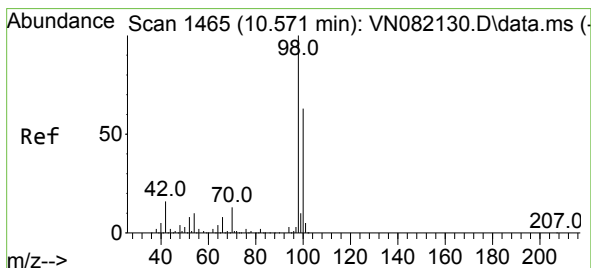
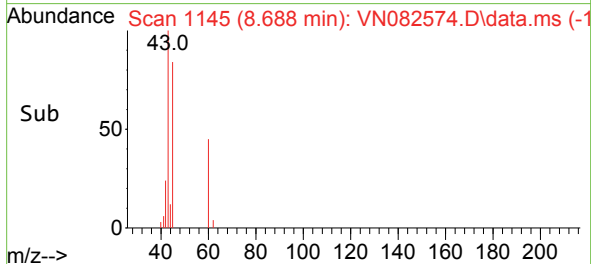
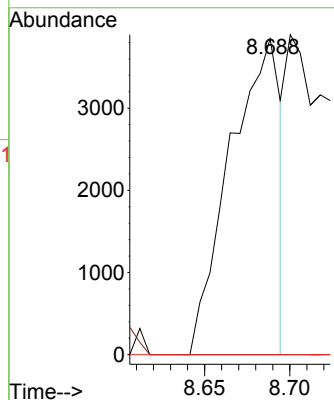


#43
Isopropyl Acetate
Concen: 1.353 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

Instrument :
MSVOA_N
ClientSampleId :

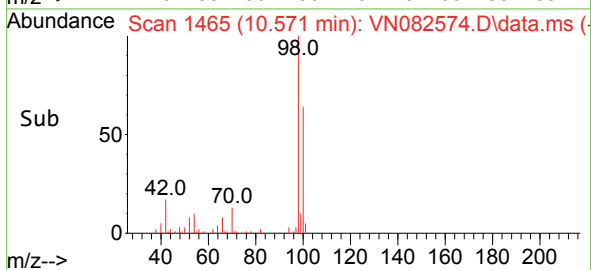
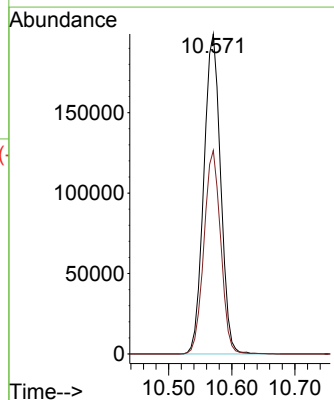
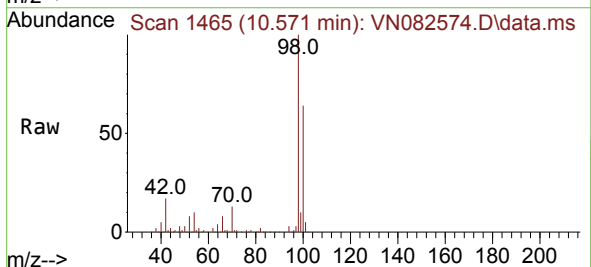


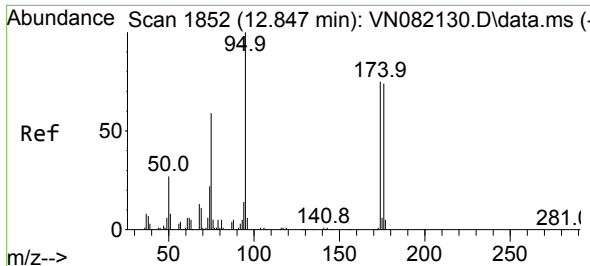
Tgt Ion: 43 Resp: 7911
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 54.498 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

Tgt Ion: 98 Resp: 367424
Ion Ratio Lower Upper
98 100
100 63.2 51.8 77.6

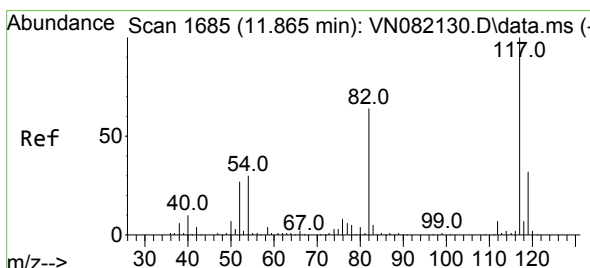
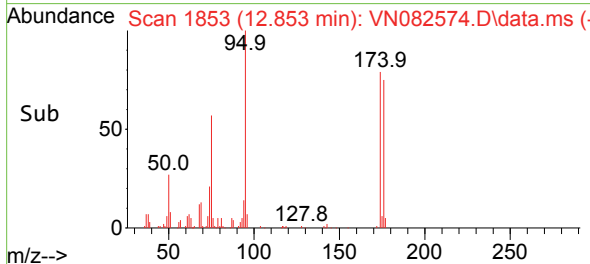
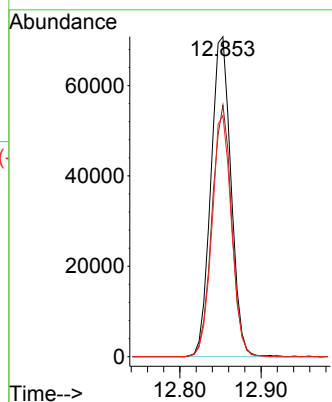
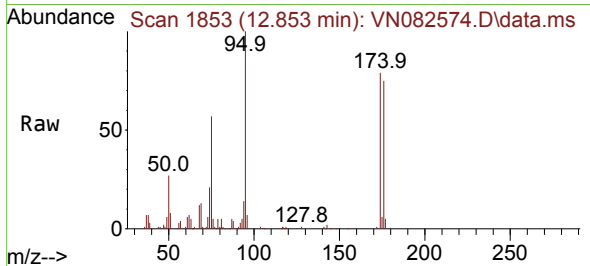




#62
4-Bromofluorobenzene
Concen: 50.608 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

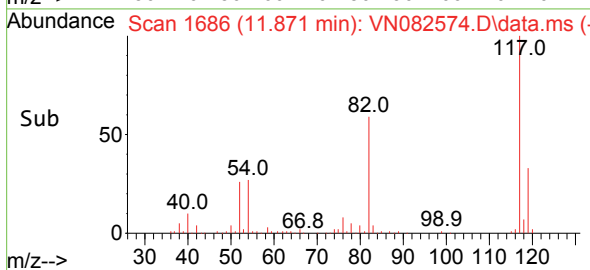
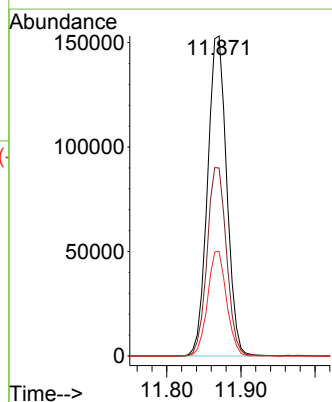
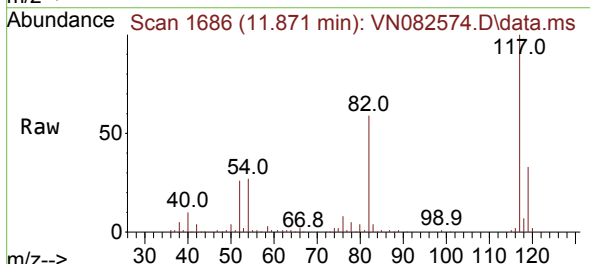
Instrument :
MSVOA_N
ClientSampleId :

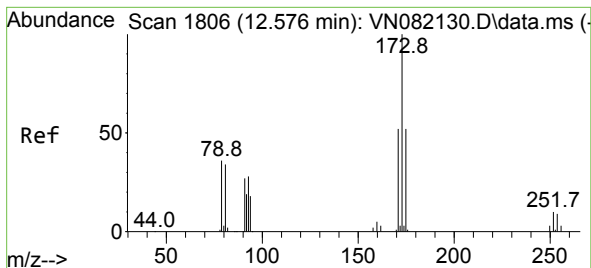
Tgt Ion: 95 Resp: 121781
Ion Ratio Lower Upper
95 100
174 76.7 0.0 160.6
176 73.6 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

Tgt Ion: 117 Resp: 274895
Ion Ratio Lower Upper
117 100
82 58.8 44.6 66.8
119 32.6 25.9 38.9





#71

Bromoform

Concen: 0.858 ug/l

RT: 12.571 min Scan# 1805

Delta R.T. -0.005 min

Lab File: VN082574.D

Acq: 14 Jun 2024 11:36

Instrument :

MSVOA_N

ClientSampleId :

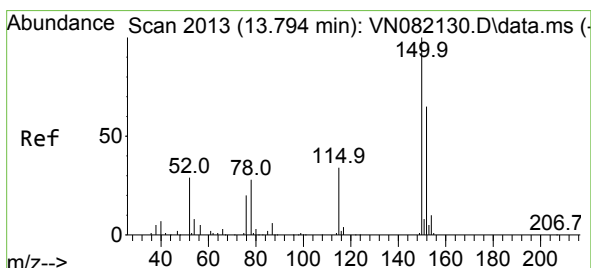
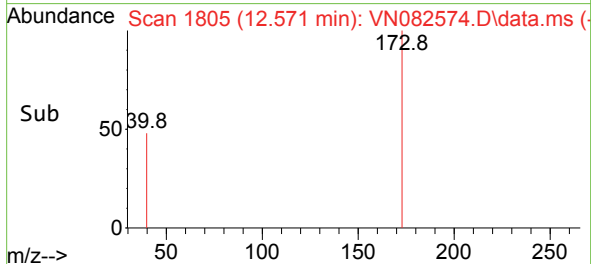
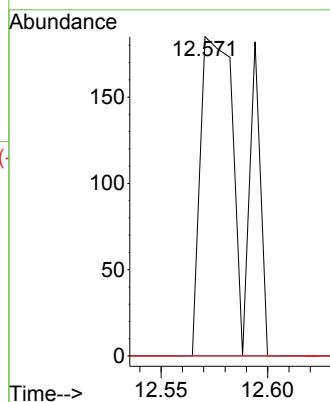
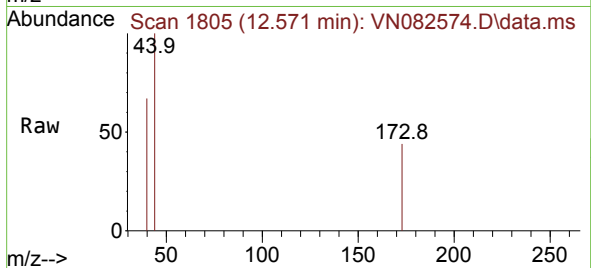
Tgt Ion:173 Resp: 253

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

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: VN082574.D

Acq: 14 Jun 2024 11:36

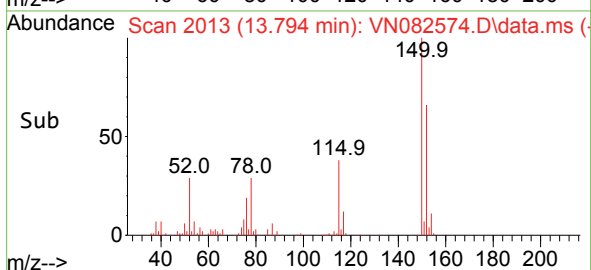
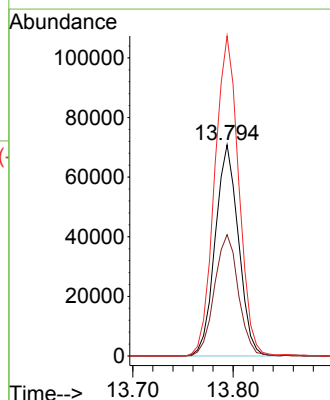
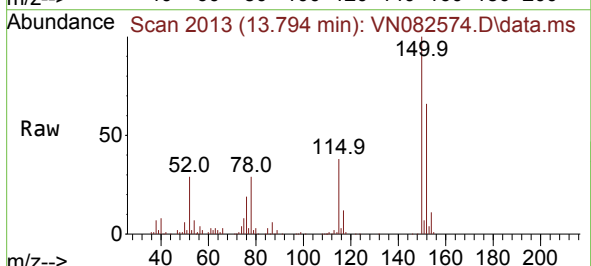
Tgt Ion:152 Resp: 114031

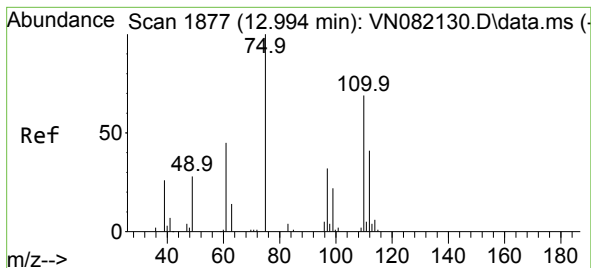
Ion Ratio Lower Upper

152 100

115 59.1 30.4 91.3

150 157.3 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 28.412 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082574.D

Acq: 14 Jun 2024 11:36

Instrument :

MSVOA_N

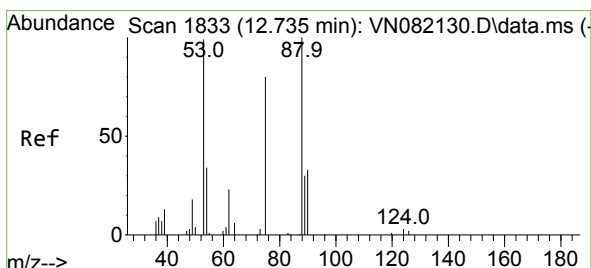
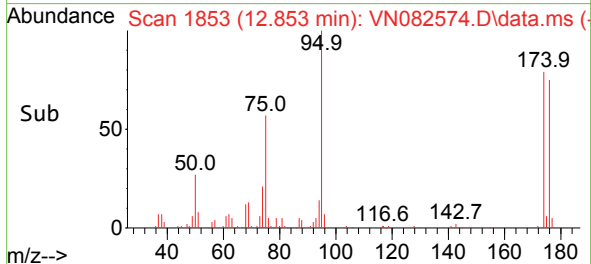
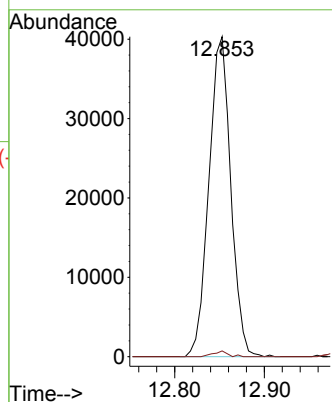
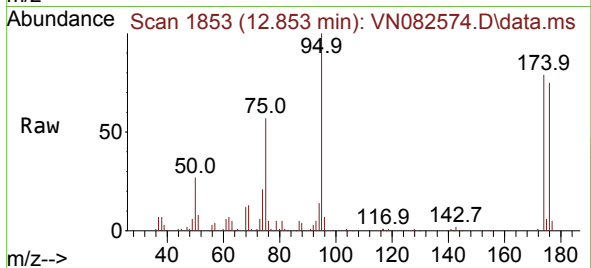
ClientSampleId :

Tgt Ion: 75 Resp: 68191

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.454 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082574.D

Acq: 14 Jun 2024 11:36

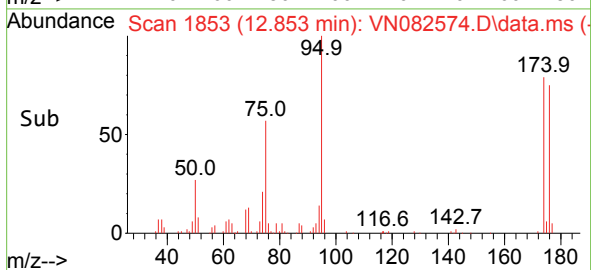
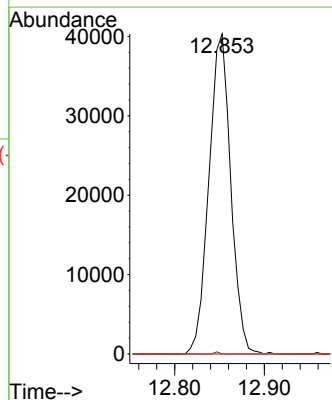
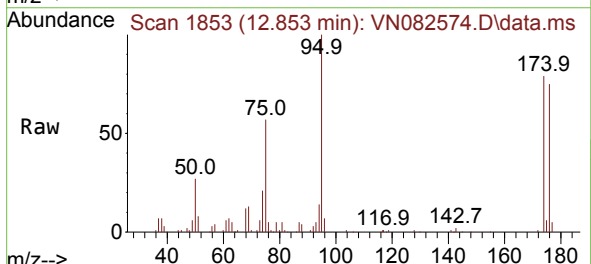
Tgt Ion: 75 Resp: 68191

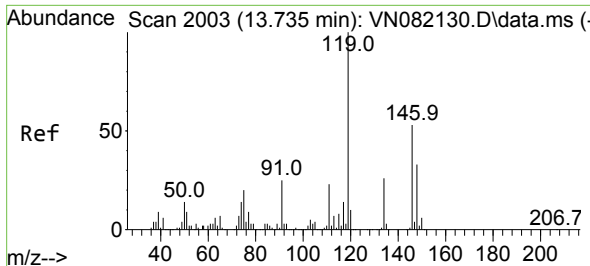
Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

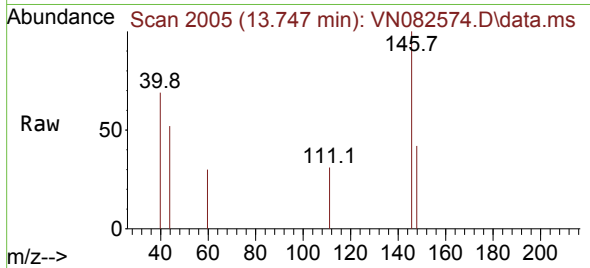
89 0.0 39.1 58.7#



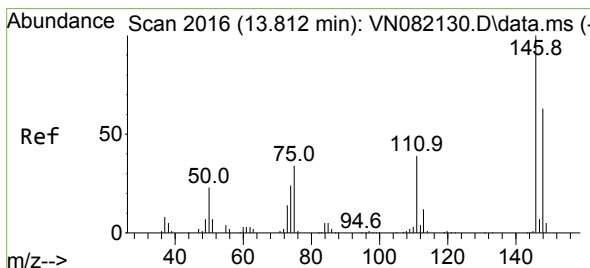
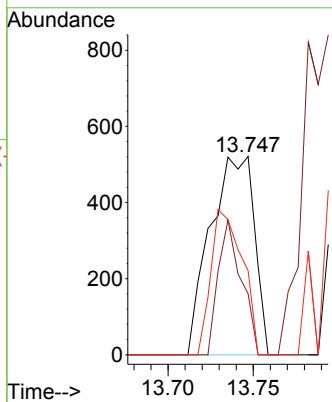
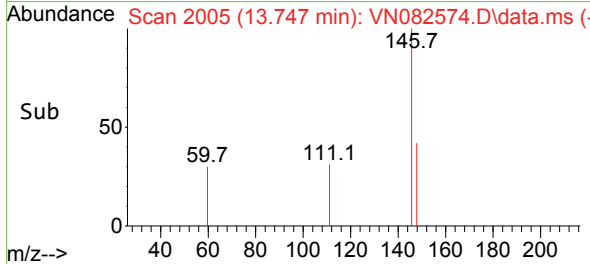


#87
1,3-Dichlorobenzene
Concen: 0.239 ug/l
RT: 13.747 min Scan# 2005
Delta R.T. 0.012 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

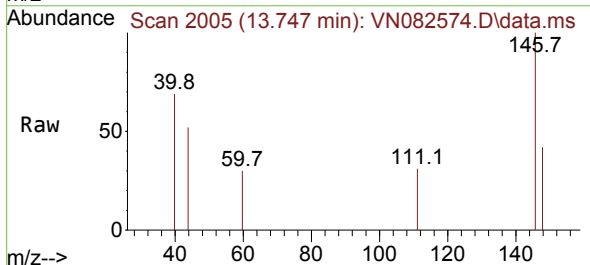
Instrument :
MSVOA_N
ClientSampleId :



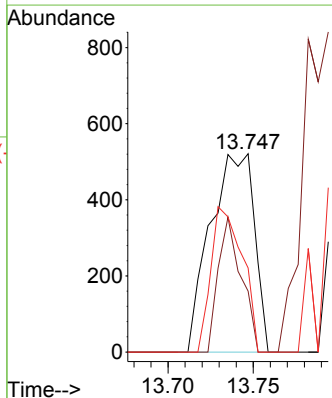
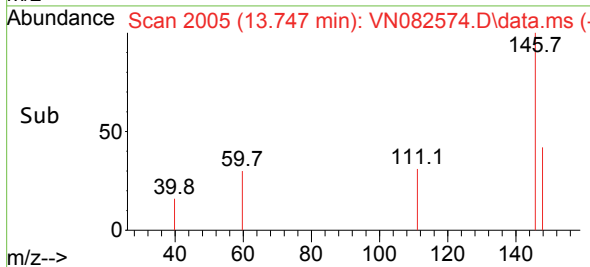
Tgt Ion:146 Resp: 936
Ion Ratio Lower Upper
146 100
111 35.7 20.8 62.5
148 52.2 32.1 96.3

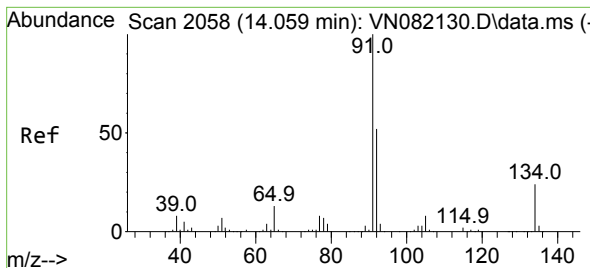


#88
1,4-Dichlorobenzene
Concen: 0.234 ug/l
RT: 13.747 min Scan# 2005
Delta R.T. -0.065 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36



Tgt Ion:146 Resp: 936
Ion Ratio Lower Upper
146 100
111 35.7 19.3 57.9
148 52.2 31.3 93.9





#89

n-Butylbenzene

Concen: 0.248 ug/l

RT: 14.065 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VN082574.D

Acq: 14 Jun 2024 11:36

Instrument :

MSVOA_N

ClientSampleId :

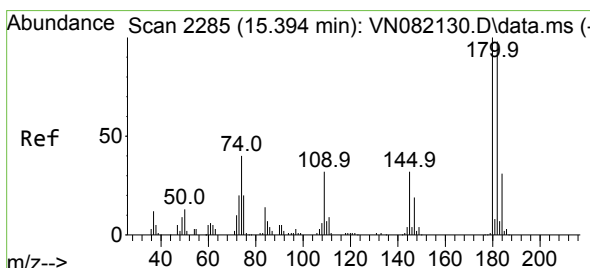
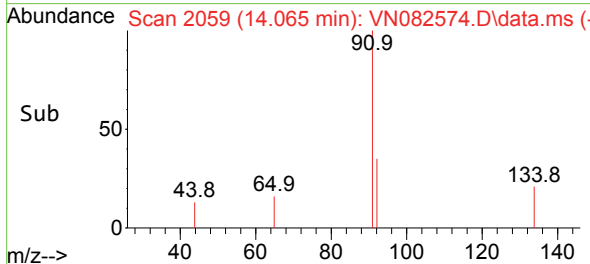
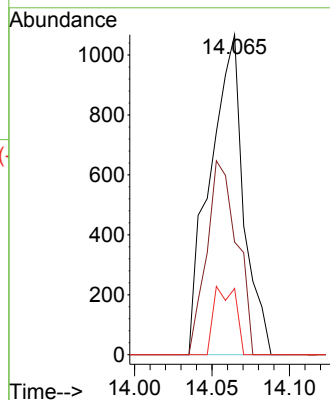
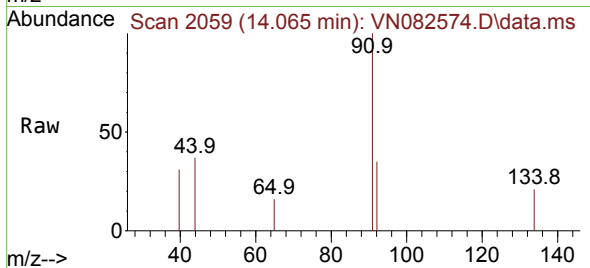
Tgt Ion: 91 Resp: 1611

Ion Ratio Lower Upper

91 100

92 54.4 26.2 78.5

134 13.8 13.2 39.5



#93

1,2,4-Trichlorobenzene

Concen: 0.603 ug/l

RT: 15.400 min Scan# 2286

Delta R.T. 0.006 min

Lab File: VN082574.D

Acq: 14 Jun 2024 11:36

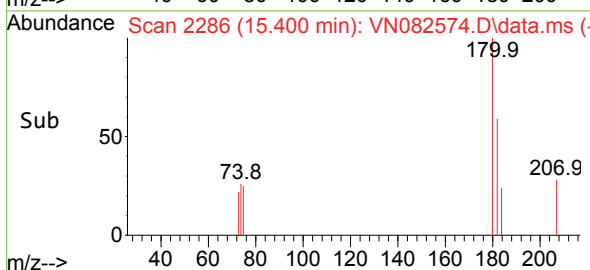
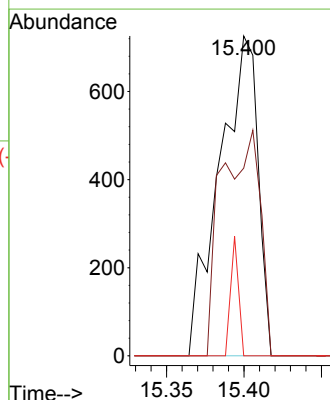
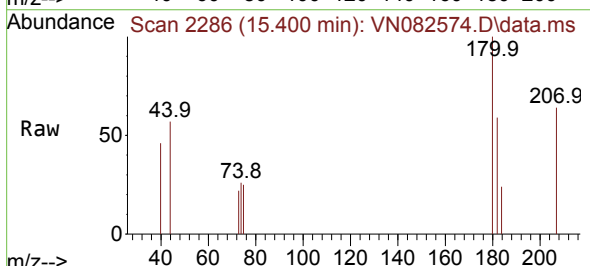
Tgt Ion:180 Resp: 1251

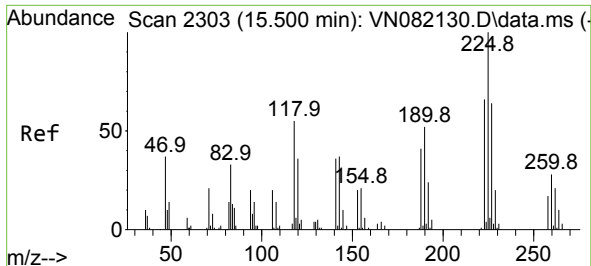
Ion Ratio Lower Upper

180 100

182 70.7 46.7 140.0

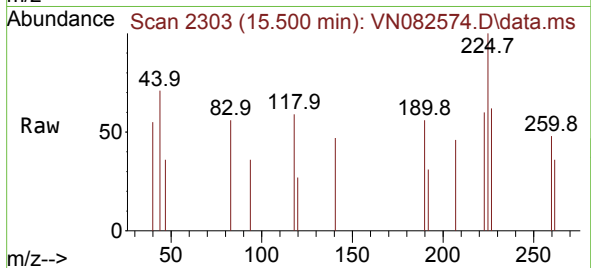
145 7.7 16.2 48.6#



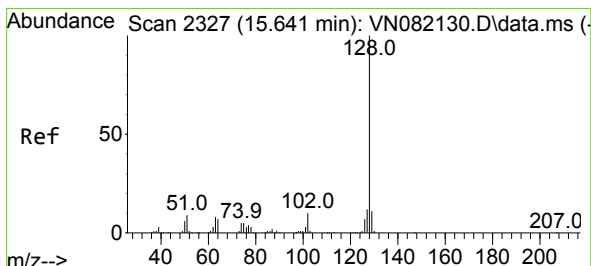
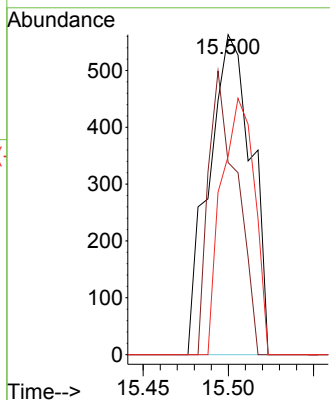
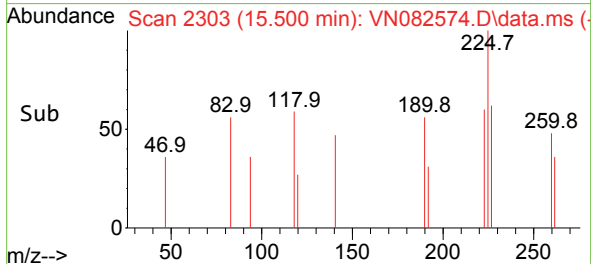


#94
Hexachlorobutadiene
Concen: 1.074 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36

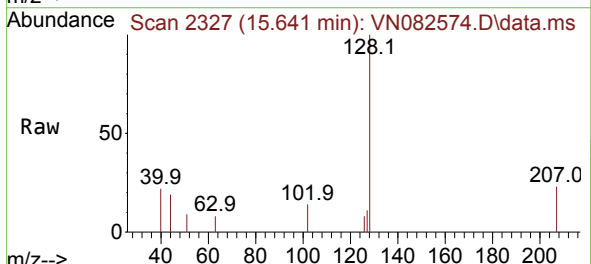
Instrument :
MSVOA_N
ClientSampleId :



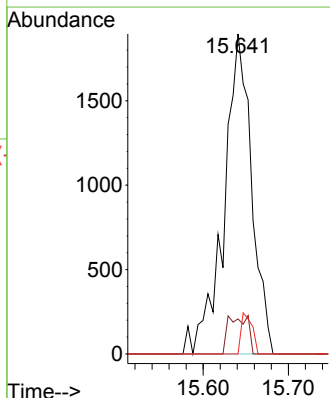
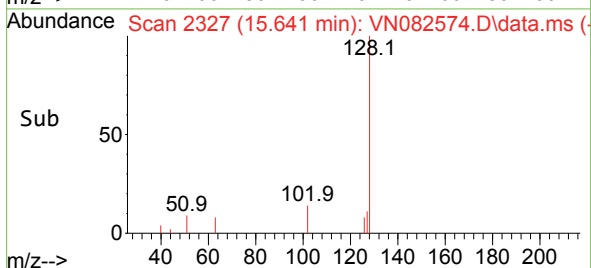
Tgt Ion:225 Resp: 978
Ion Ratio Lower Upper
225 100
223 59.5 31.1 93.2
227 62.4 30.6 91.6

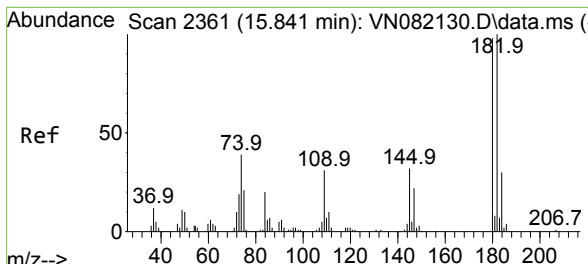


#95
Naphthalene
Concen: 0.659 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN082574.D
Acq: 14 Jun 2024 11:36



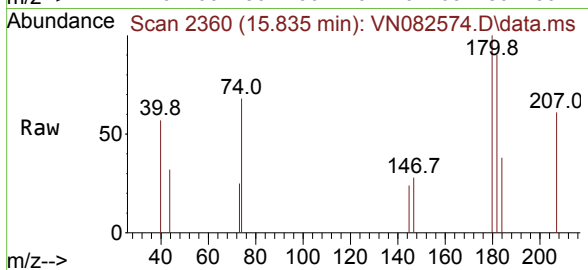
Tgt Ion:128 Resp: 4284
Ion Ratio Lower Upper
128 100
127 8.5 10.1 15.1#
129 5.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.757 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN082574.D
 Acq: 14 Jun 2024 11:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1573
Ion	Ratio	Lower	Upper
180	100		
182	81.8	46.0	137.8
145	28.0	17.1	51.3

