

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031524\
 Data File : VN081427.D
 Acq On : 15 Mar 2024 16:05
 Operator : JC\MD
 Sample : VN0315MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315MBL01

Quant Time: Mar 15 23:34:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

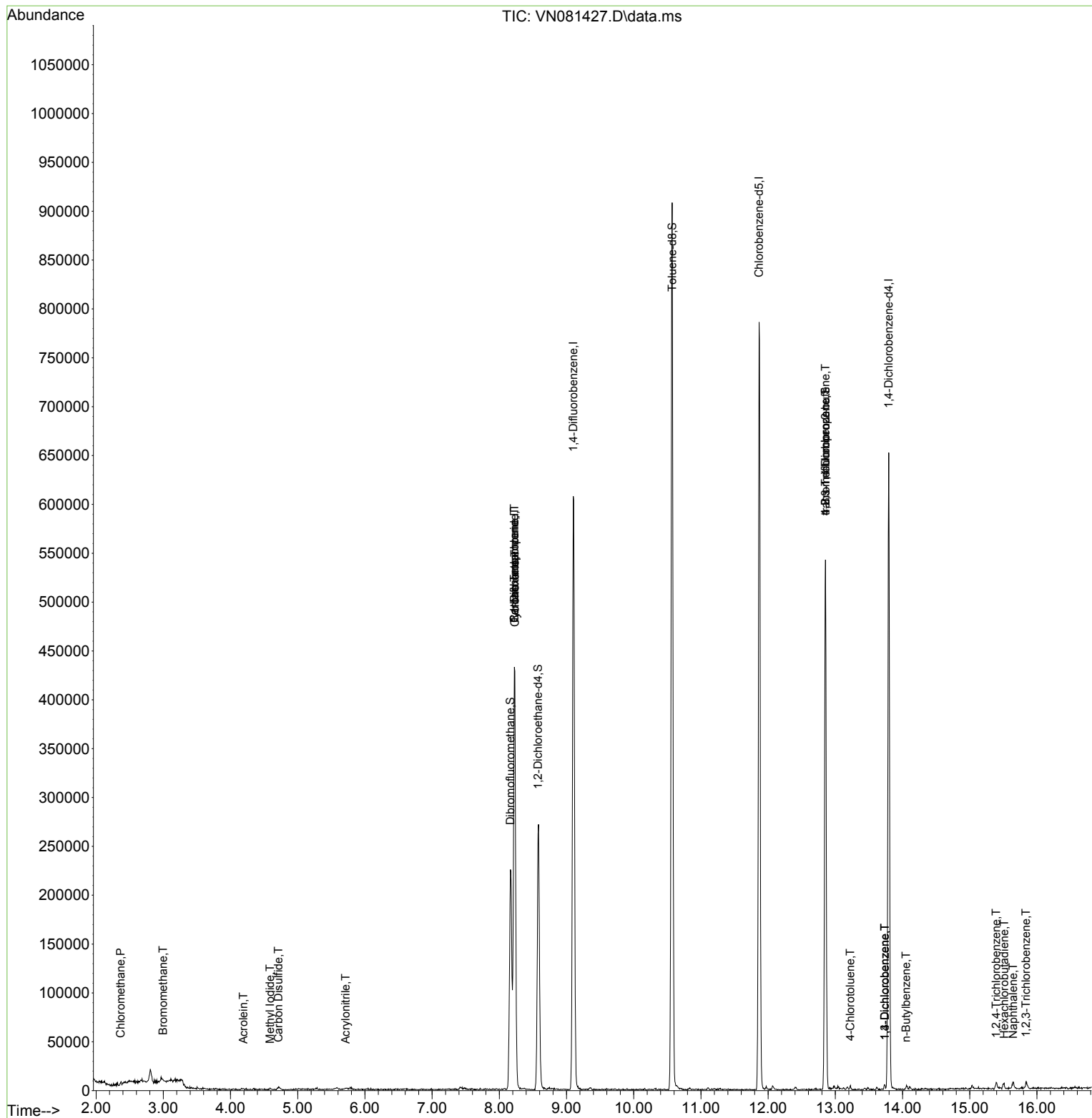
Internal Standards						
1) Pentafluorobenzene	8.224	168	288264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	514339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	433840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	158209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	216116	51.852	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.700%			
35) Dibromofluoromethane	8.165	113	164100	52.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.160%			
50) Toluene-d8	10.571	98	604963	51.356	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.853	95	181700	43.642	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 87.280%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1261	0.306	ug/l #	61
5) Bromomethane	2.995	94	1822	0.634	ug/l	84
10) Methyl Iodide	4.589	142	734	0.221	ug/l #	90
13) Acrolein	4.189	56	1036	1.200	ug/l #	55
15) Acrylonitrile	5.712	53	588	0.309	ug/l #	82
17) Carbon Disulfide	4.712	76	5098	0.532	ug/l #	18
20) Methylene Chloride	5.289	84	228	Below Cal	#	57
31) Cyclohexane	8.230	56	9116	1.445	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	27688	5.446	ug/l #	51
38) Carbon Tetrachloride	8.224	117	34358	6.715	ug/l #	17
76) 1,2,3-Trichloropropane	12.853	75	102568	27.448	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102568	76.602	ug/l #	14
82) 4-Chlorotoluene	13.223	91	1969	0.216	ug/l	89
87) 1,3-Dichlorobenzene	13.735	146	1487	0.260	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	1487	0.260	ug/l	89
89) n-Butylbenzene	14.053	91	2518	0.261	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	2302	0.785	ug/l	87
94) Hexachlorobutadiene	15.512	225	1181	0.974	ug/l	85
95) Naphthalene	15.647	128	6682	0.640	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	2472	0.831	ug/l	83

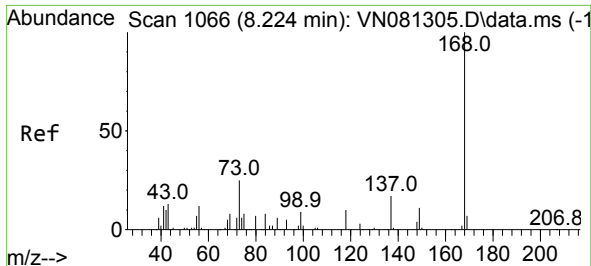
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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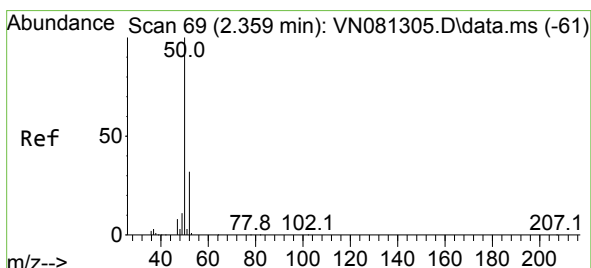
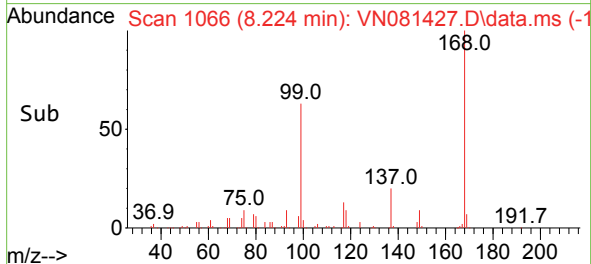
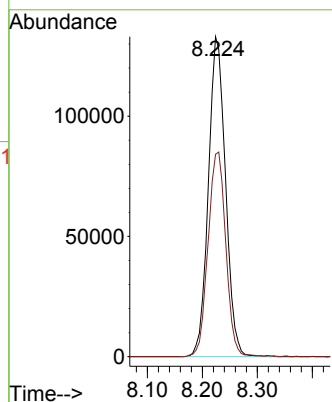
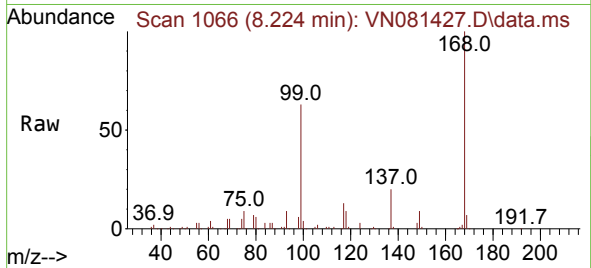




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

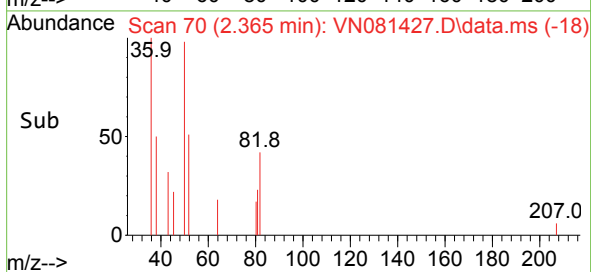
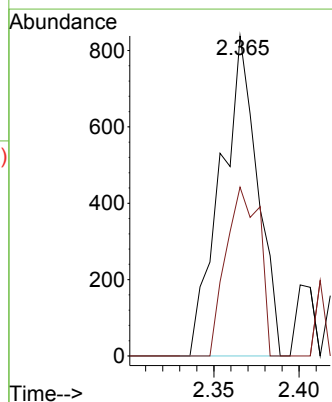
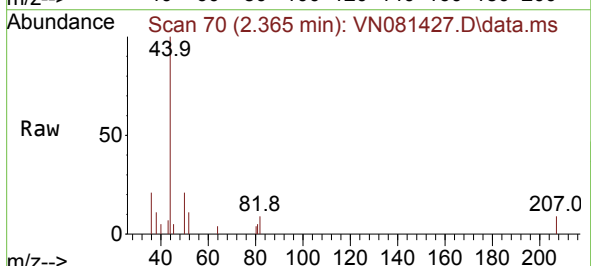
Instrument :
MSVOA_N
ClientSampleId :
VN0315MBL01

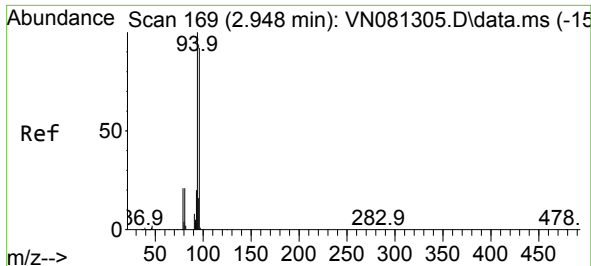
Tgt Ion:168 Resp: 288264
Ion Ratio Lower Upper
168 100
99 63.3 59.9 89.9



#3
Chloromethane
Concen: 0.306 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion: 50 Resp: 1261
Ion Ratio Lower Upper
50 100
52 52.7 25.0 37.4#

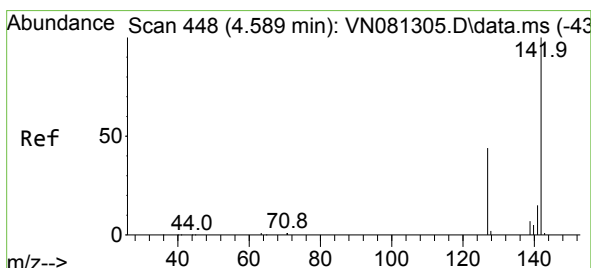
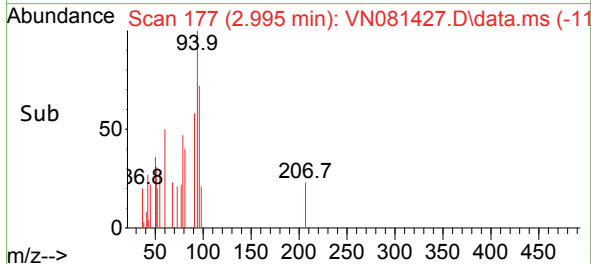
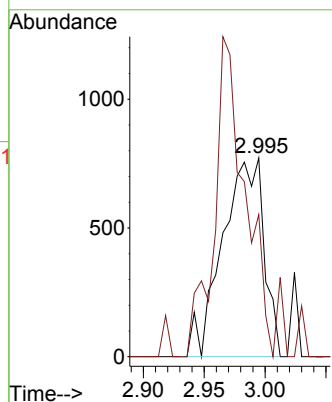
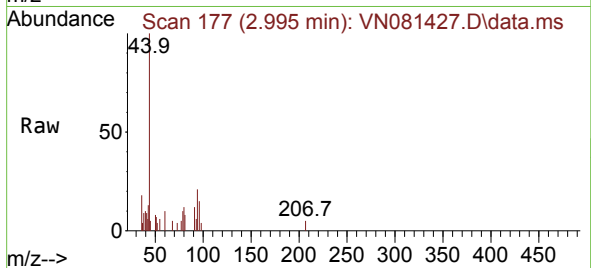




#5
Bromomethane
Concen: 0.634 ug/l
RT: 2.995 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

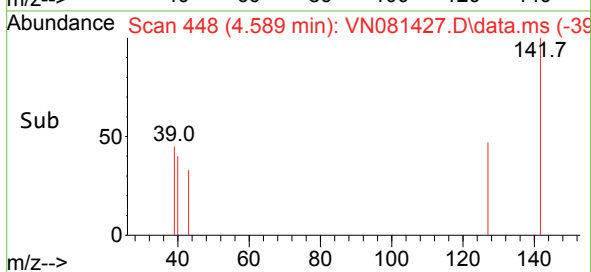
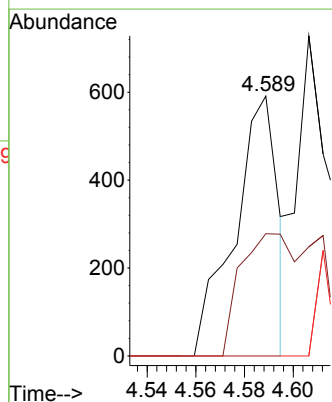
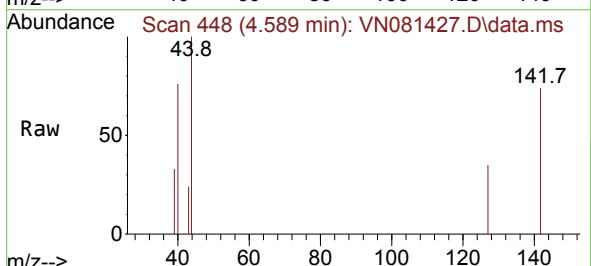
Instrument :
MSVOA_N
ClientSampleId :
VN0315MBL01

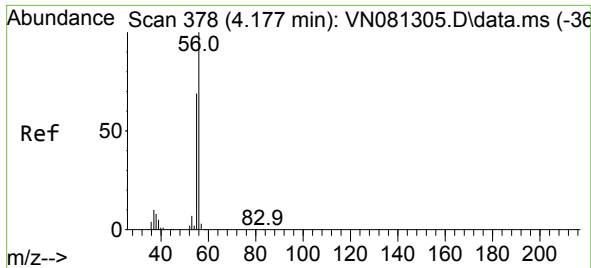
Tgt Ion: 94 Resp: 1822
Ion Ratio Lower Upper
94 100
96 71.5 69.2 103.8



#10
Methyl Iodide
Concen: 0.221 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion: 142 Resp: 734
Ion Ratio Lower Upper
142 100
127 47.0 37.0 55.4
141 0.0 12.5 18.7#





#13

Acrolein

Concen: 1.200 ug/l

RT: 4.189 min Scan# 378

Delta R.T. 0.012 min

Lab File: VN081427.D

Acq: 15 Mar 2024 16:05

Instrument :

MSVOA_N

ClientSampleId :

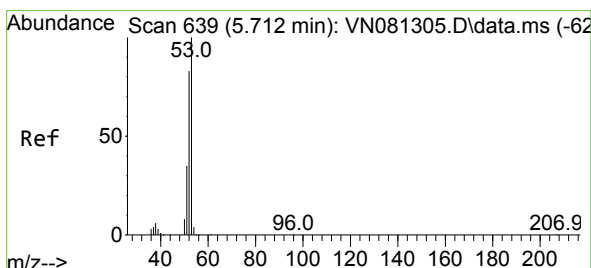
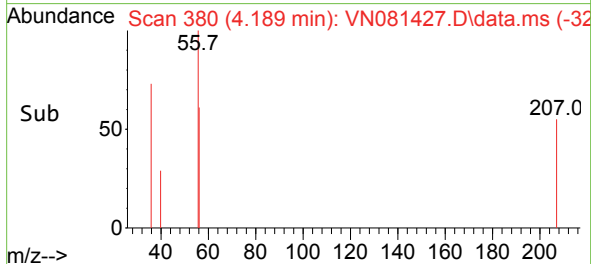
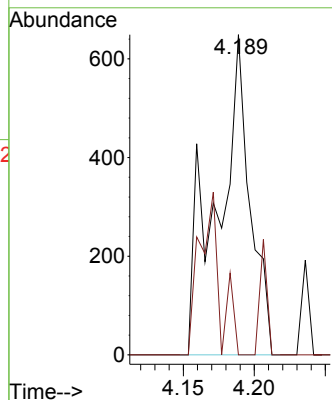
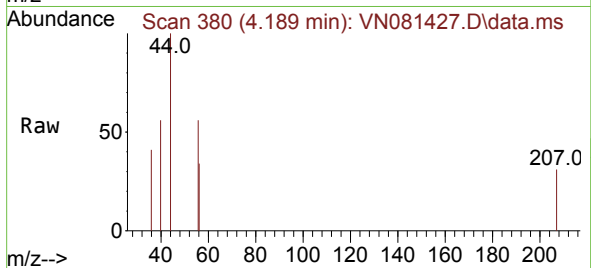
VN0315MBL01

Tgt Ion: 56 Resp: 1036

Ion Ratio Lower Upper

56 100

55 32.0 55.3 82.9#



#15

Acrylonitrile

Concen: 0.309 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN081427.D

Acq: 15 Mar 2024 16:05

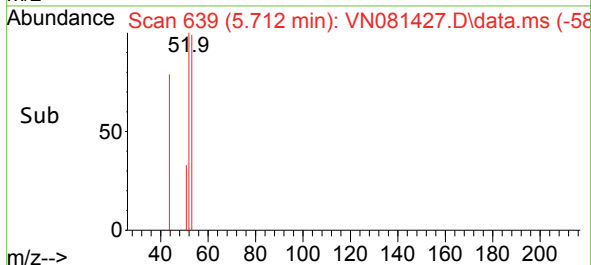
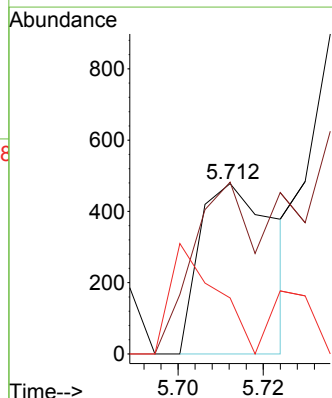
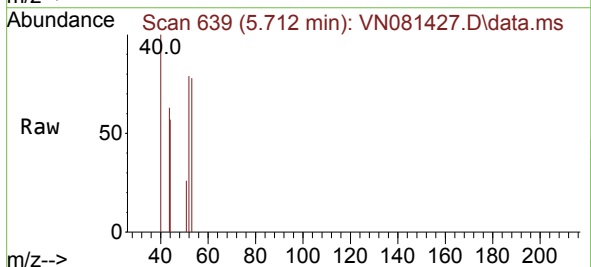
Tgt Ion: 53 Resp: 588

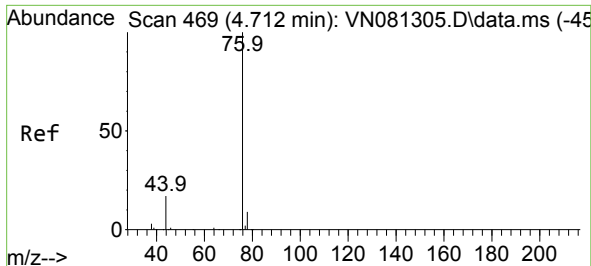
Ion Ratio Lower Upper

53 100

52 80.1 64.8 97.2

51 0.0 26.9 40.3#

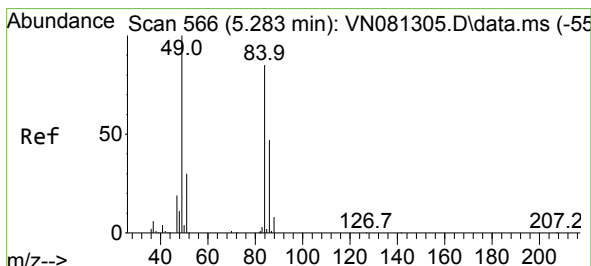
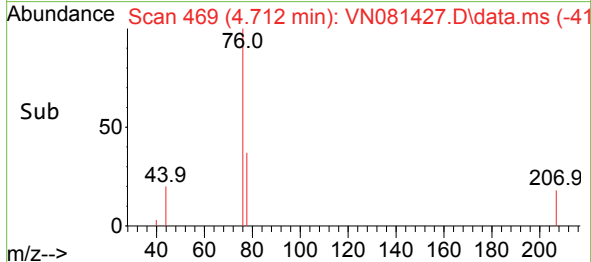
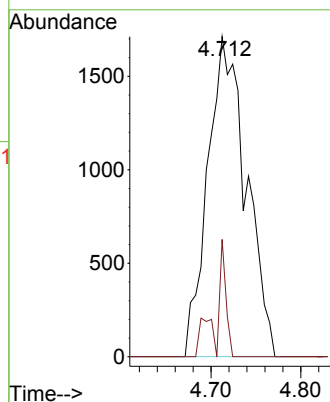
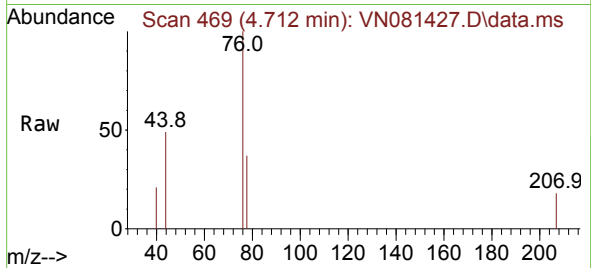




#17
Carbon Disulfide
Concen: 0.532 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

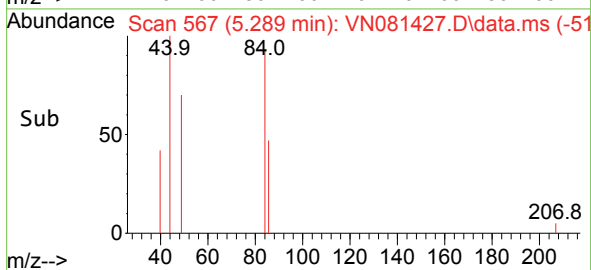
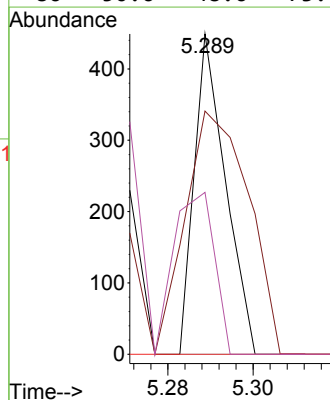
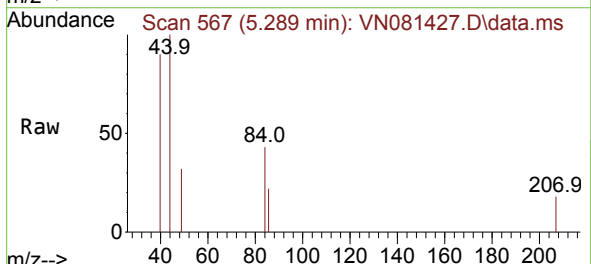
Instrument :
MSVOA_N
ClientSampleId :
VN0315MBL01

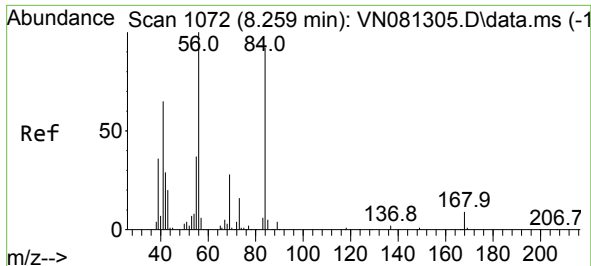
Tgt Ion: 76 Resp: 5098
Ion Ratio Lower Upper
76 100
78 36.7 6.3 9.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion: 84 Resp: 228
Ion Ratio Lower Upper
84 100
49 75.9 108.1 162.1#
51 0.0 32.9 49.3#
86 50.6 48.6 73.0

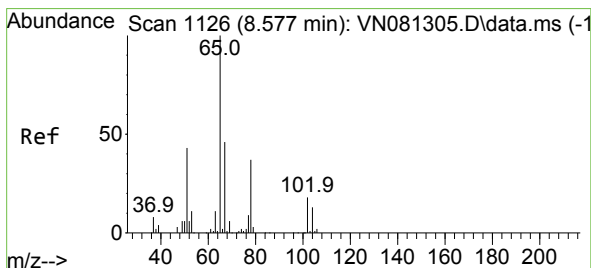
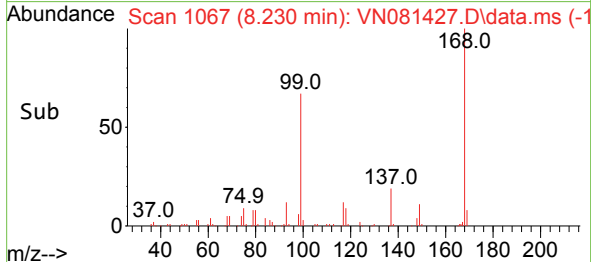
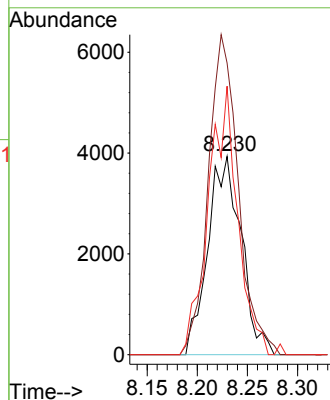
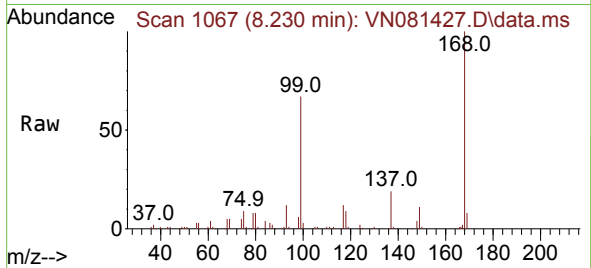




#31
Cyclohexane
Concen: 1.445 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

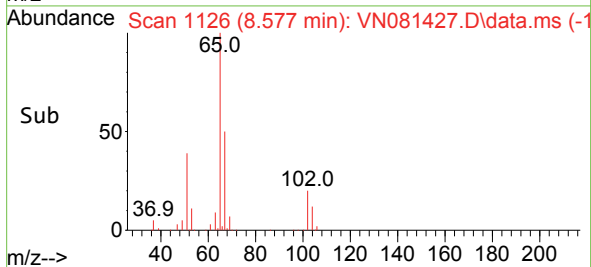
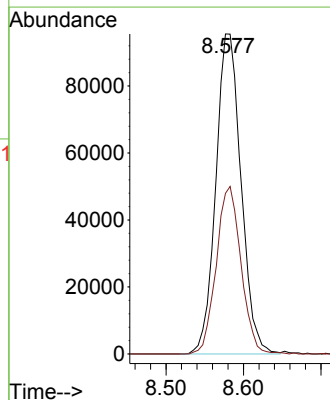
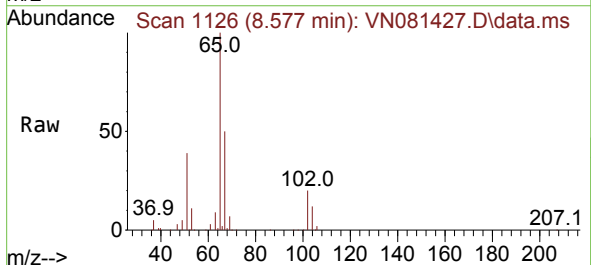
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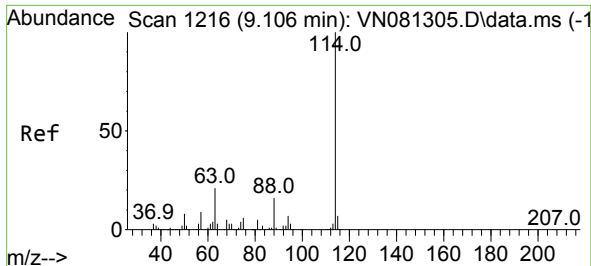
Tgt Ion: 56 Resp: 9116
Ion Ratio Lower Upper
56 100
69 147.0 20.1 30.1#
84 135.4 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.852 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion: 65 Resp: 216116
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4

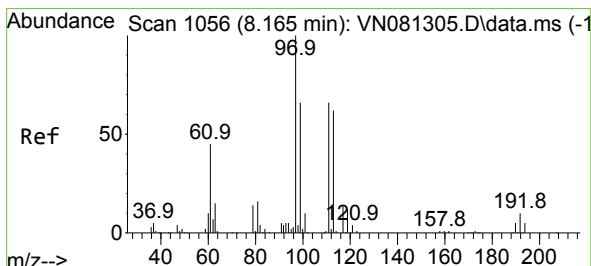
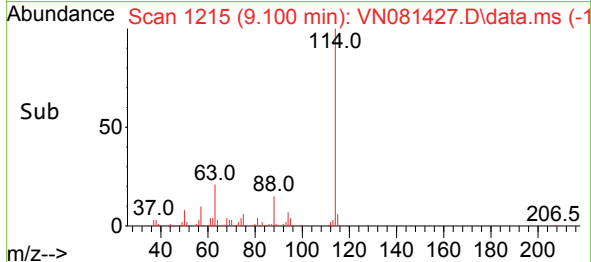
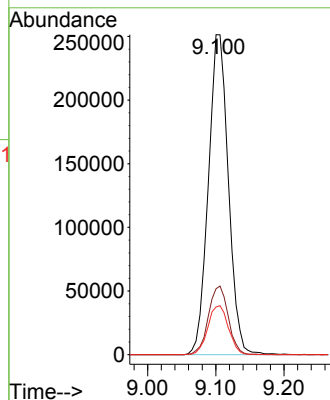
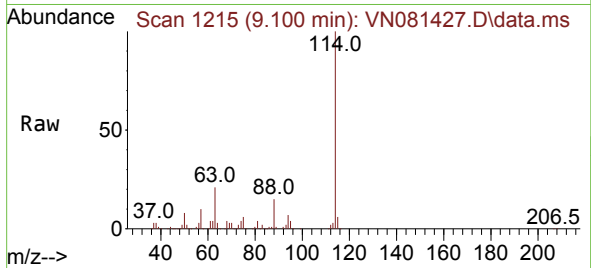




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.006 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

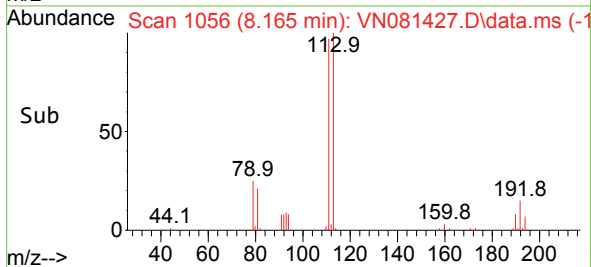
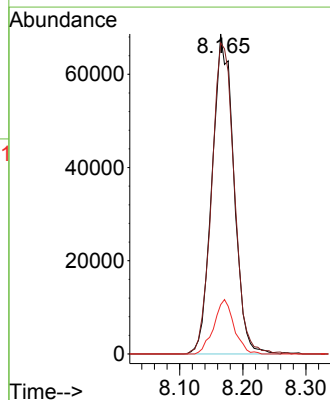
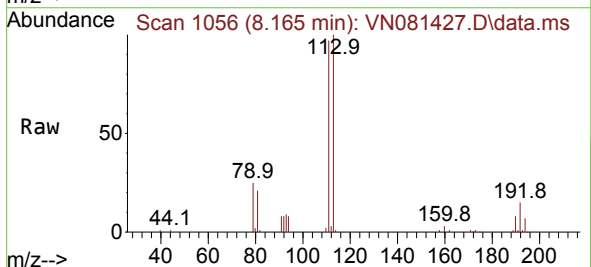
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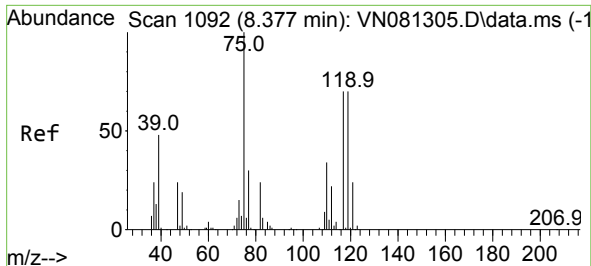
Tgt Ion:114 Resp: 514339
Ion Ratio Lower Upper
114 100
63 20.6 0.0 48.0
88 14.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.076 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion:113 Resp: 164100
Ion Ratio Lower Upper
113 100
111 100.9 82.2 123.4
192 15.8 12.5 18.7

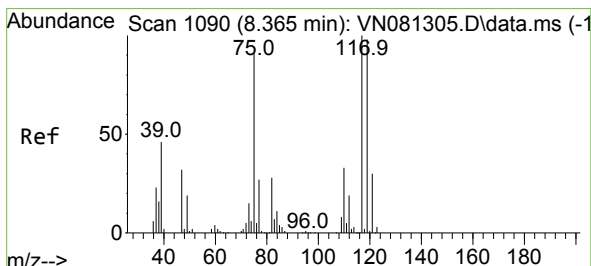
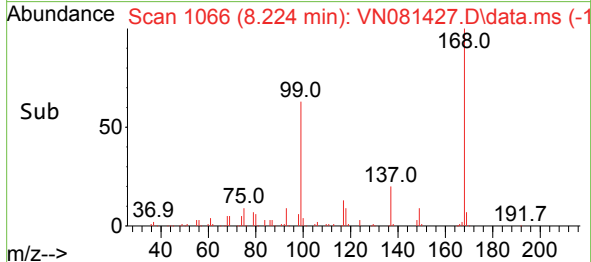
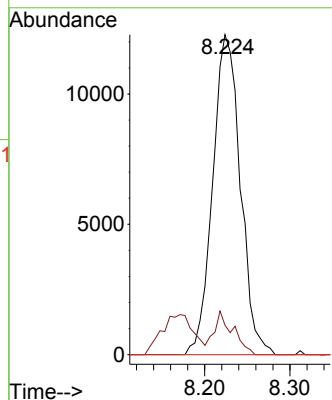
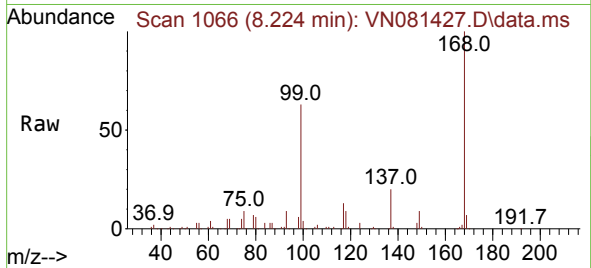




#36
1,1-Dichloropropene
Concen: 5.446 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

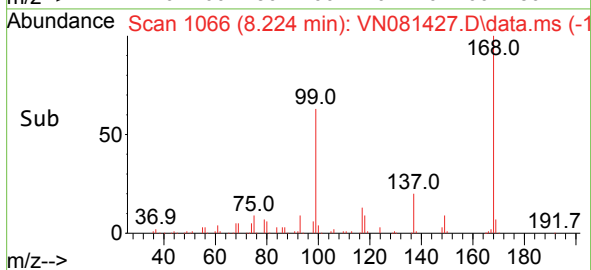
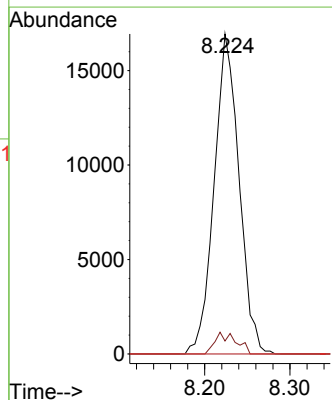
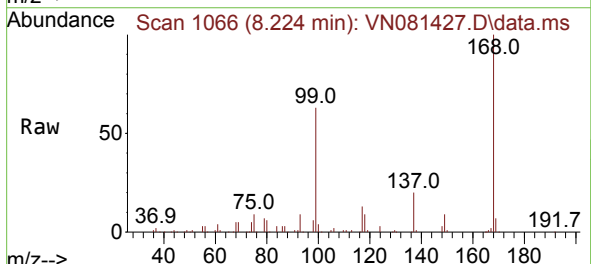
Instrument :
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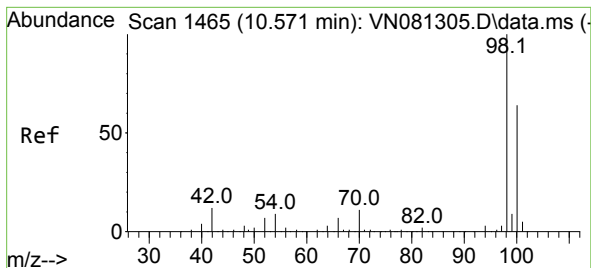
Tgt Ion: 75 Resp: 27688
Ion Ratio Lower Upper
75 100
110 9.4 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.715 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion: 117 Resp: 34358
Ion Ratio Lower Upper
117 100
119 4.1 73.4 110.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 51.356 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081427.D

Acq: 15 Mar 2024 16:05

Instrument :

MSVOA_N

ClientSampleId :

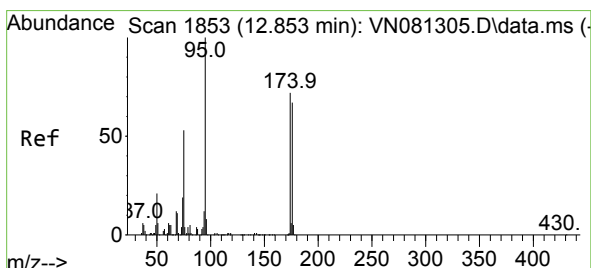
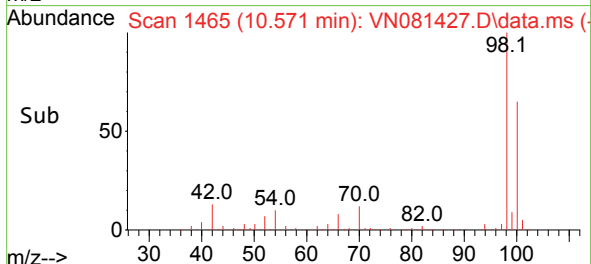
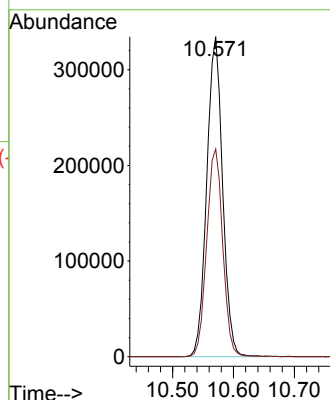
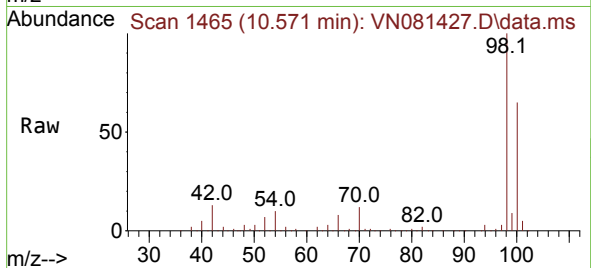
VN0315MBL01

Tgt Ion: 98 Resp: 604963

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 43.642 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN081427.D

Acq: 15 Mar 2024 16:05

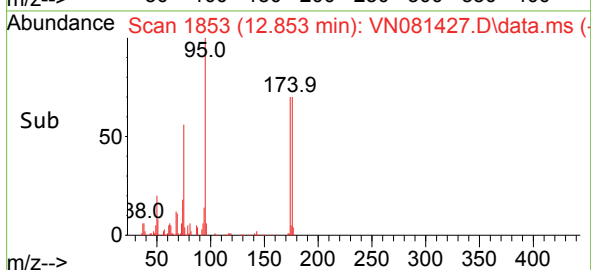
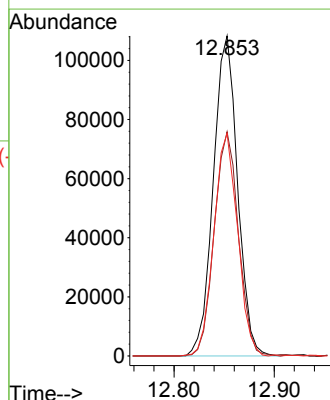
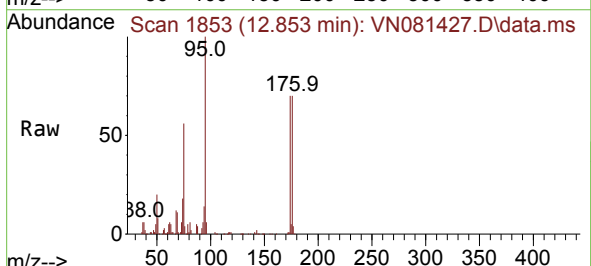
Tgt Ion: 95 Resp: 181700

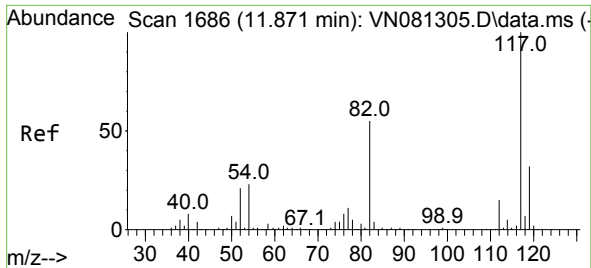
Ion Ratio Lower Upper

95 100

174 69.9 0.0 120.4

176 68.1 0.0 121.0

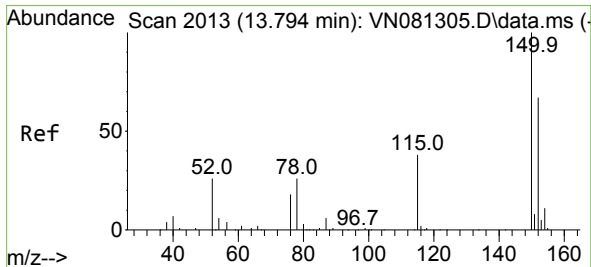
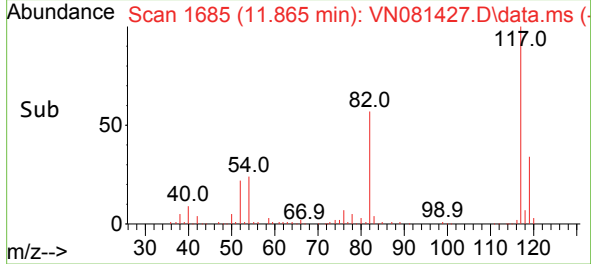
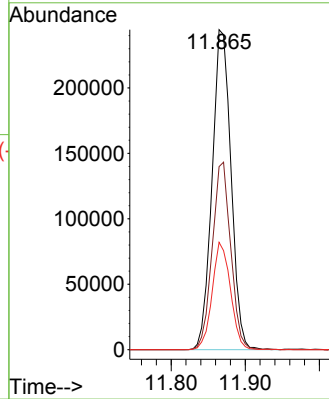
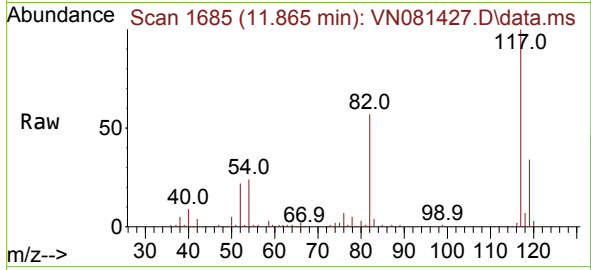




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

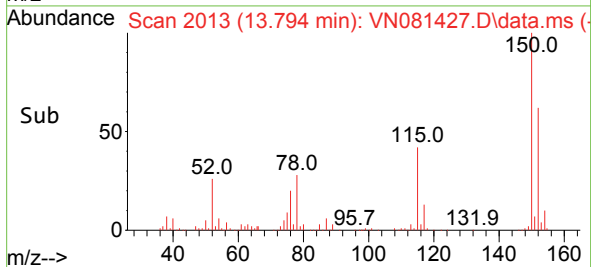
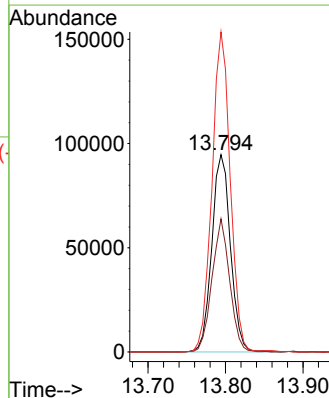
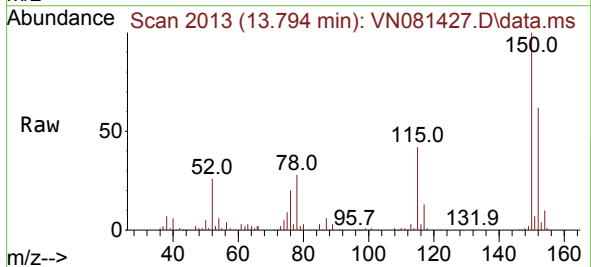
Instrument :
MSVOA_N
ClientSampleId :
VN0315MBL01

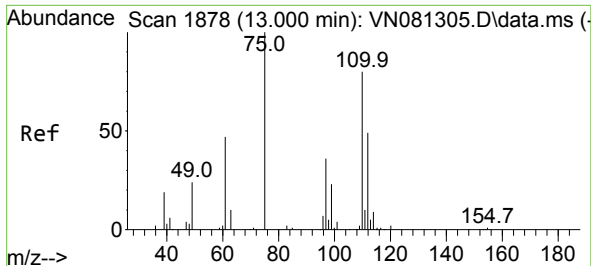
Tgt Ion:117 Resp: 433840
Ion Ratio Lower Upper
117 100
82 57.2 52.7 79.1
119 33.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion:152 Resp: 158209
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 158.4 0.0 339.8

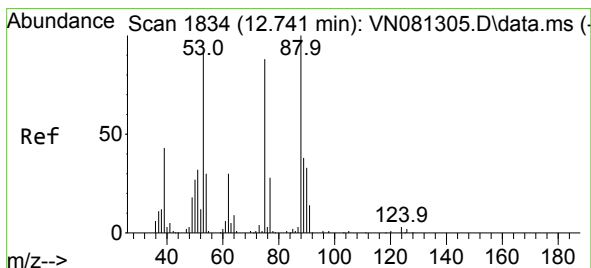
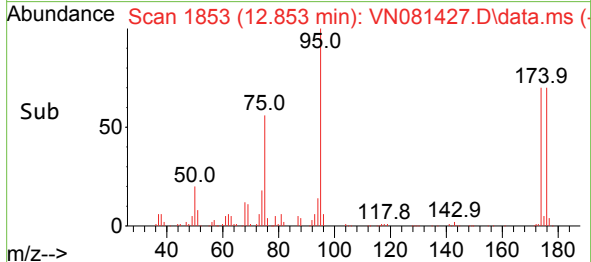
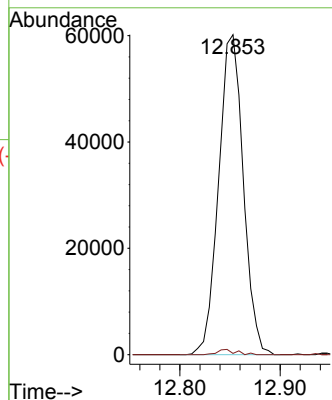
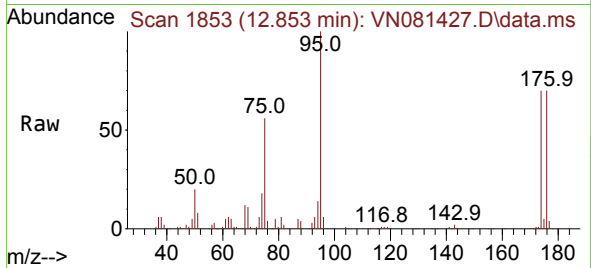




#76
1,2,3-Trichloropropane
Concen: 27.448 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

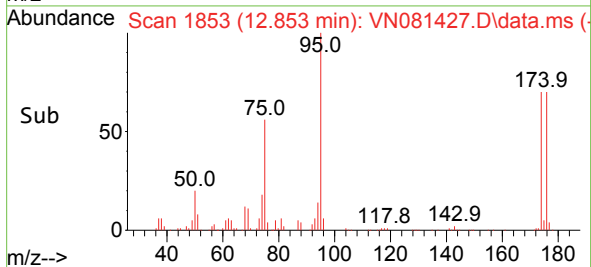
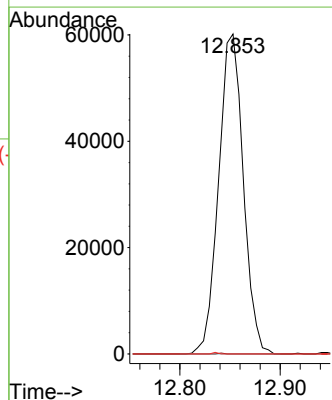
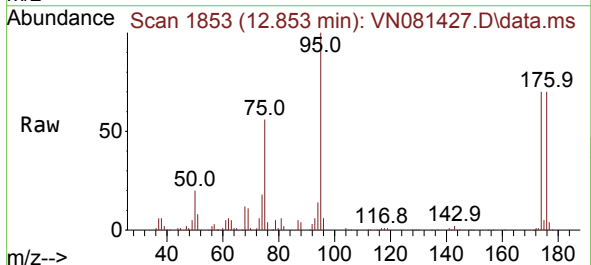
Instrument :
MSVOA_N
ClientSampleId :
VN0315MBL01

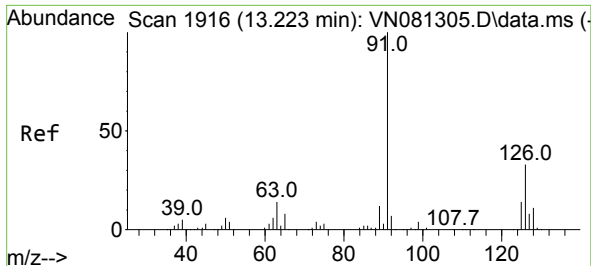
Tgt Ion: 75 Resp: 102568
Ion Ratio Lower Upper
75 100
77 1.2 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.602 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion: 75 Resp: 102568
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.1 33.4 50.0#

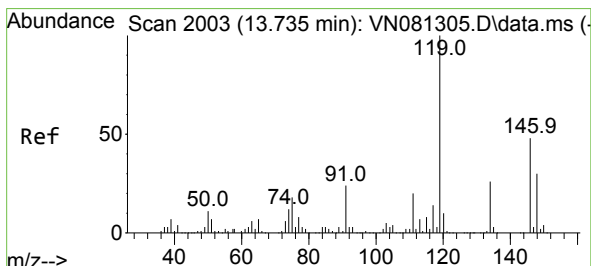
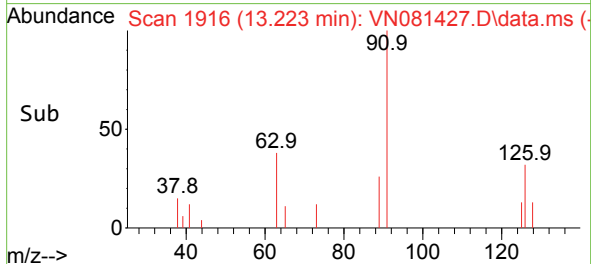
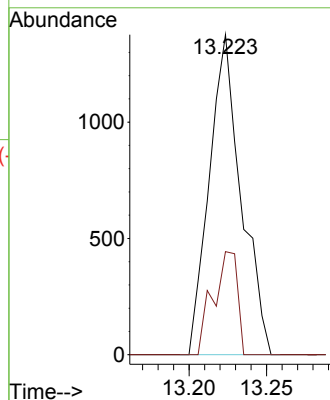
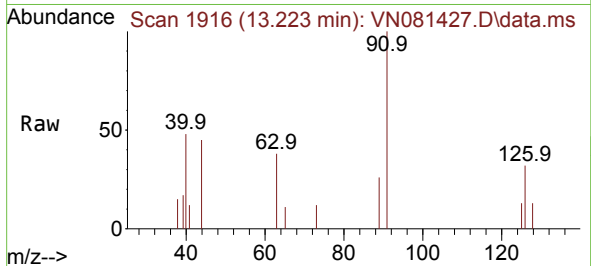




#82
4-Chlorotoluene
Concen: 0.216 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

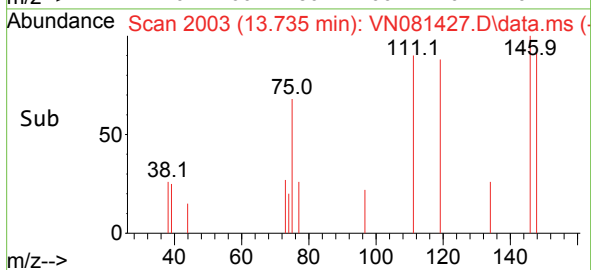
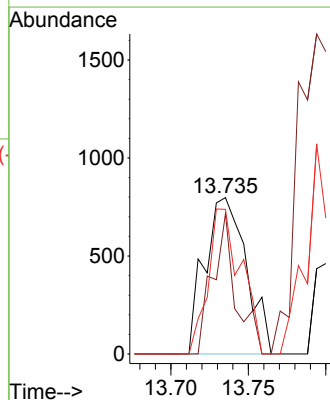
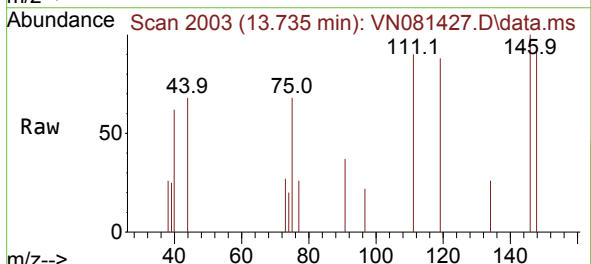
Instrument :
MSVOA_N
ClientSampleId :
VN0315MBL01

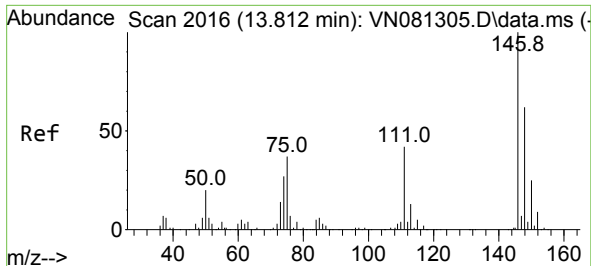
Tgt Ion: 91 Resp: 1969
Ion Ratio Lower Upper
91 100
126 24.4 15.3 45.9



#87
1,3-Dichlorobenzene
Concen: 0.260 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion: 146 Resp: 1487
Ion Ratio Lower Upper
146 100
111 50.1 23.9 71.7
148 73.7 32.6 97.7

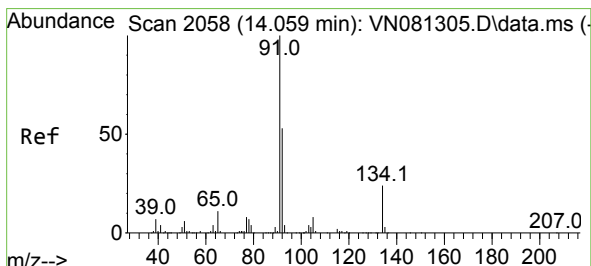
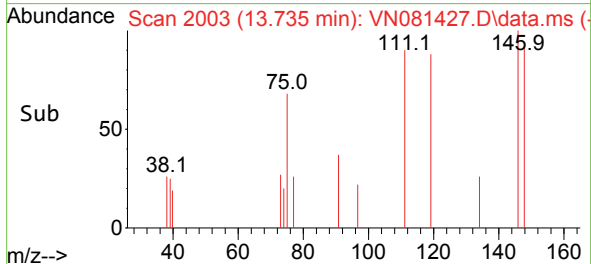
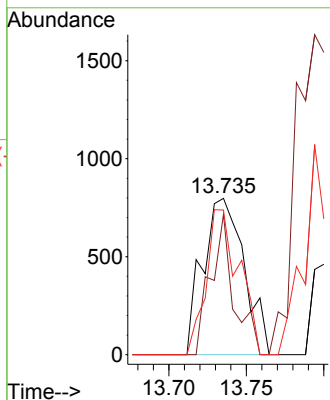
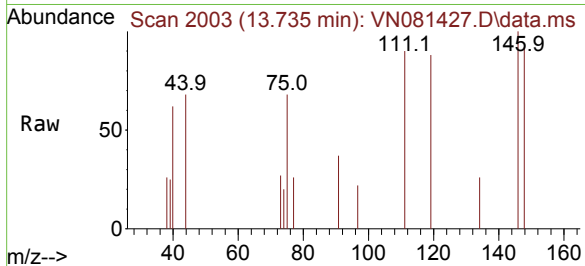




#88
1,4-Dichlorobenzene
Concen: 0.260 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

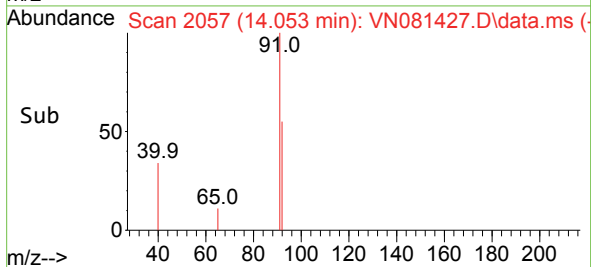
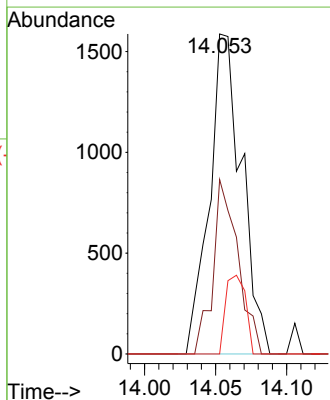
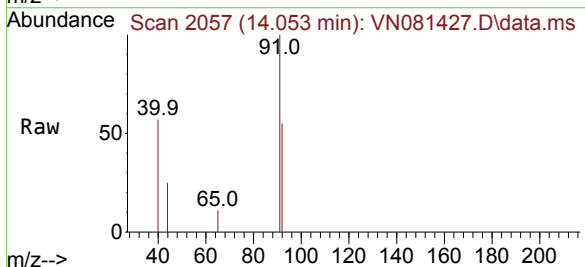
Instrument :
MSVOA_N
ClientSampleId :
VN0315MBL01

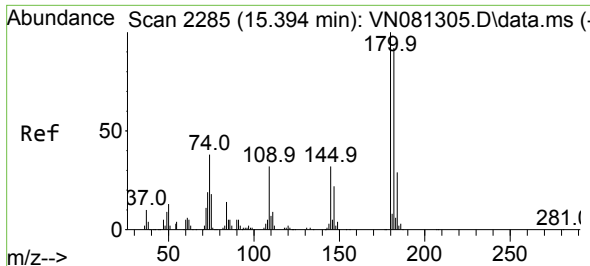
Tgt Ion:146 Resp: 1487
Ion Ratio Lower Upper
146 100
111 50.1 22.6 67.7
148 73.7 31.9 95.5



#89
n-Butylbenzene
Concen: 0.261 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion: 91 Resp: 2518
Ion Ratio Lower Upper
91 100
92 41.9 26.7 80.1
134 14.9 10.8 32.4

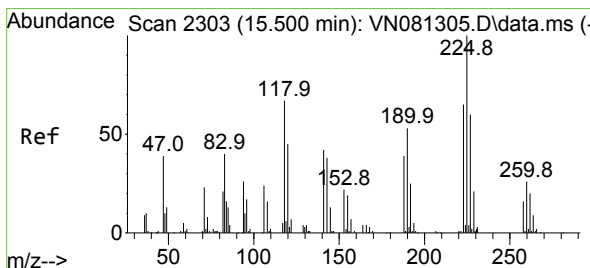
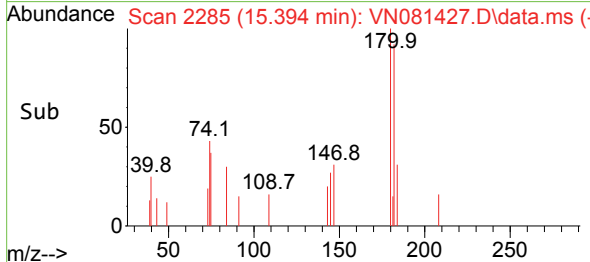
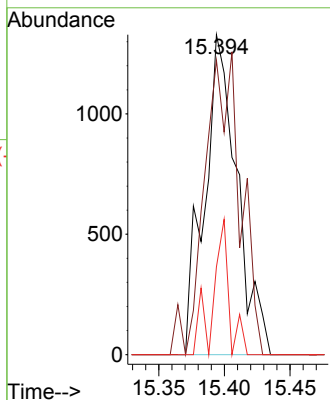
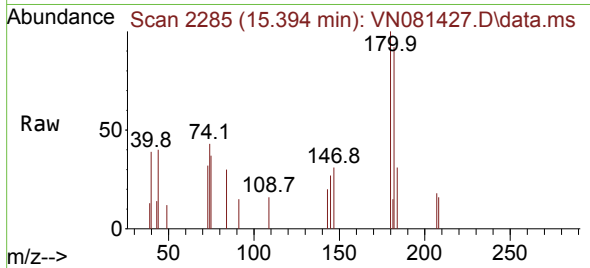




#93
1,2,4-Trichlorobenzene
Concen: 0.785 ug/l
RT: 15.394 min Scan# 210
Delta R.T. 0.000 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

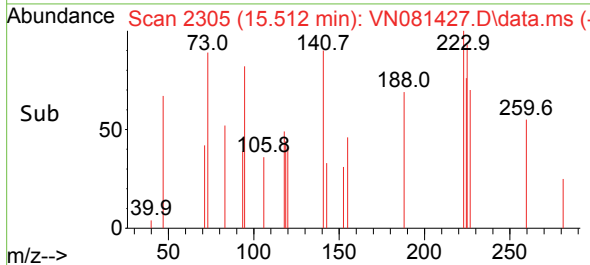
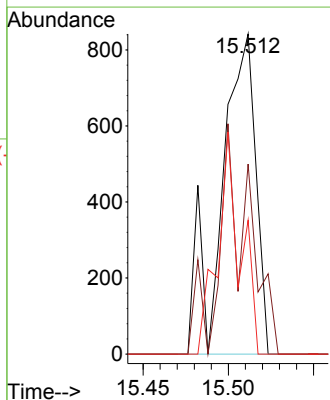
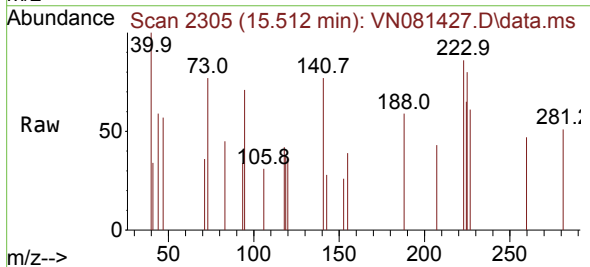
Instrument :
MSVOA_N
ClientSampleId :
VN0315MBL01

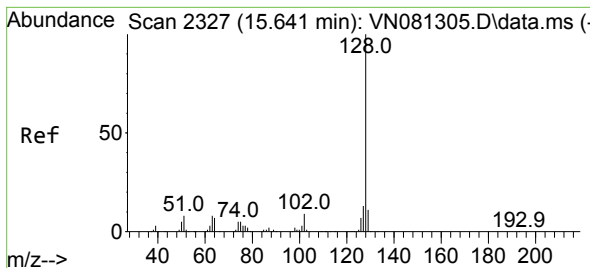
Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.5	46.6	139.7
145	21.0	16.8	50.3



#94
Hexachlorobutadiene
Concen: 0.974 ug/l
RT: 15.512 min Scan# 2305
Delta R.T. 0.012 min
Lab File: VN081427.D
Acq: 15 Mar 2024 16:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	33.3	99.8
227	45.9	33.1	99.2





#95

Naphthalene

Concen: 0.640 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN081427.D

Acq: 15 Mar 2024 16:05

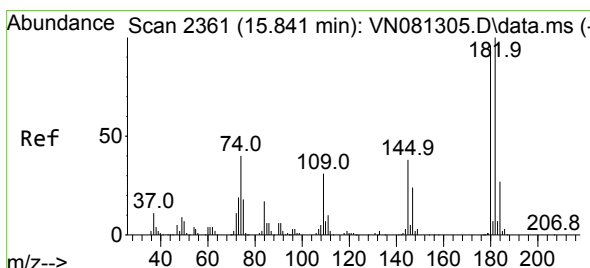
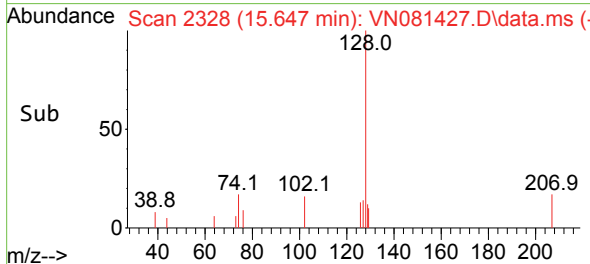
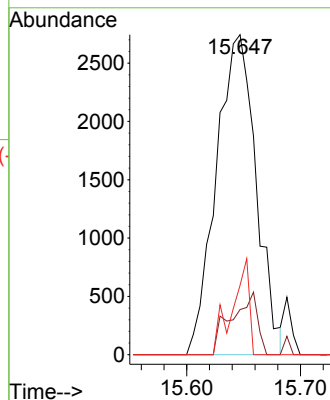
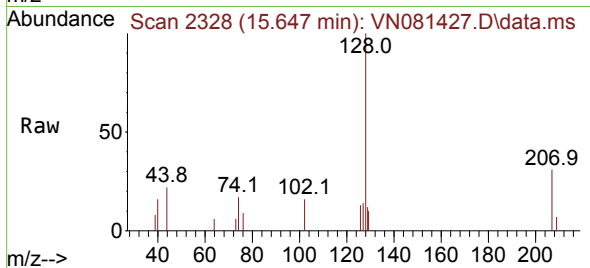
Instrument :

MSVOA_N

ClientSampleId :

VN0315MBL01

Tgt Ion:	128	Resp:	6682
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	12.8	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.831 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN081427.D

Acq: 15 Mar 2024 16:05

Tgt Ion:	180	Resp:	2472
Ion	Ratio	Lower	Upper
180	100		
182	80.3	46.5	139.3
145	19.5	17.8	53.4

