

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071624\
 Data File : VN082930.D
 Acq On : 16 Jul 2024 12:37
 Operator : JC\MD
 Sample : VN0716MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 17 00:52:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

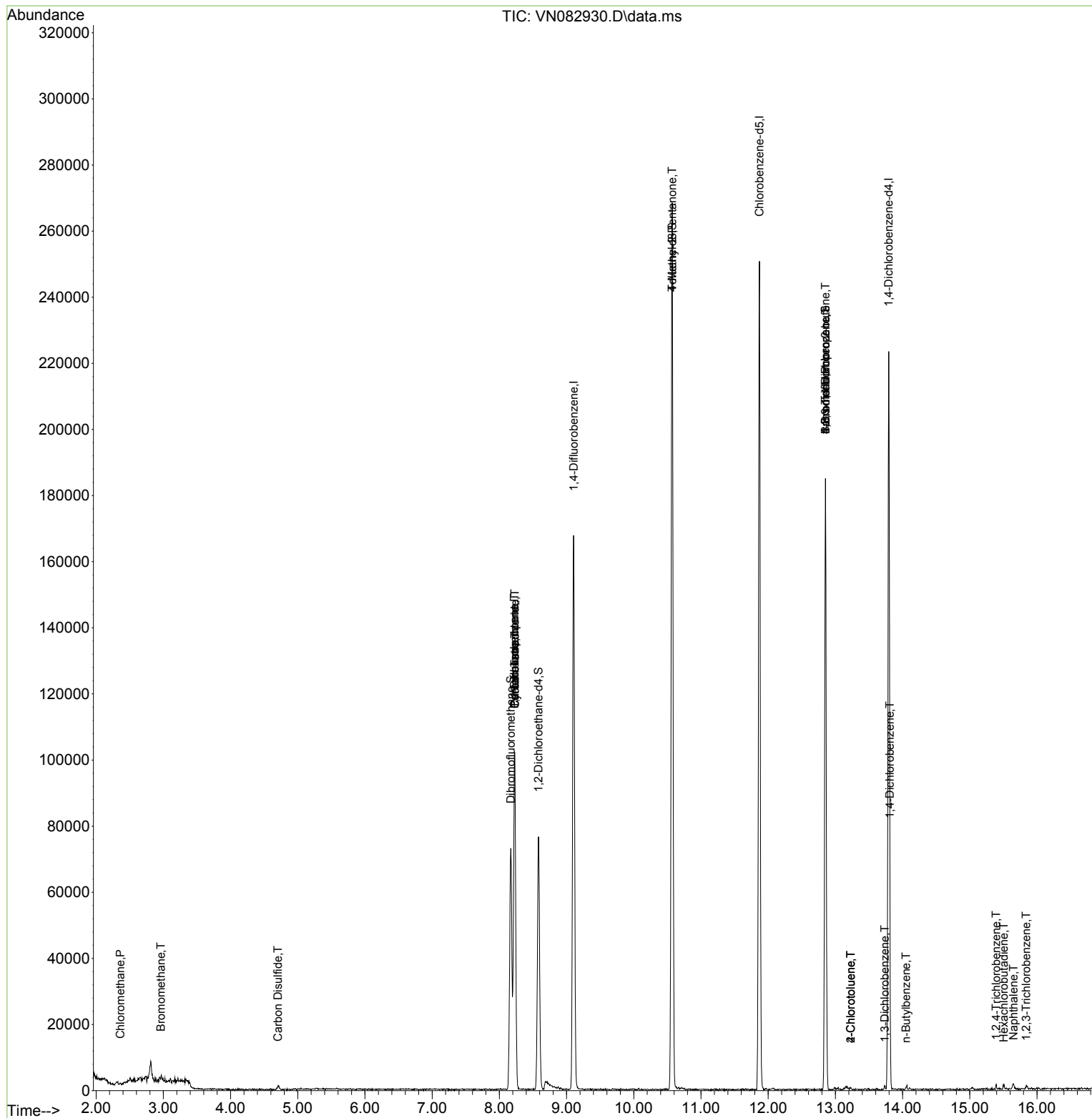
Internal Standards						
1) Pentafluorobenzene	8.223	168	71993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	141231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	139275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	57648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	62957	62.383	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.760%	
35) Dibromofluoromethane	8.171	113	52149	57.544	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.080%	
50) Toluene-d8	10.570	98	185965	55.559	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.120%	
62) 4-Bromofluorobenzene	12.853	95	57427	47.763	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 95.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	251	0.284	ug/l #	43
5) Bromomethane	2.965	94	915	1.367	ug/l #	47
17) Carbon Disulfide	4.706	76	1890	0.861	ug/l #	75
31) Cyclohexane	8.229	56	1935	1.467	ug/l #	31
36) 1,1-Dichloropropene	8.223	75	6856	5.487	ug/l #	50
38) Carbon Tetrachloride	8.229	117	7752	5.153	ug/l #	18
43) Isopropyl Acetate	8.682	43	1406	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.570	43	741	0.588	ug/l #	1
71) Bromoform	12.853	173	677	0.811	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	32436	32.636	ug/l #	1
79) 2-Chlorotoluene	13.229	91	688	0.224	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.853	75	32436	64.185	ug/l #	6
82) 4-Chlorotoluene	13.229	91	688	0.227	ug/l	92
87) 1,3-Dichlorobenzene	13.735	146	415	0.213	ug/l #	62
88) 1,4-Dichlorobenzene	13.811	146	569	0.282	ug/l #	35
89) n-Butylbenzene	14.052	91	763	0.263	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	382	0.374	ug/l #	68
94) Hexachlorobutadiene	15.505	225	512	1.131	ug/l #	59
95) Naphthalene	15.652	128	2542	0.727	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.841	180	684	0.652	ug/l #	73

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

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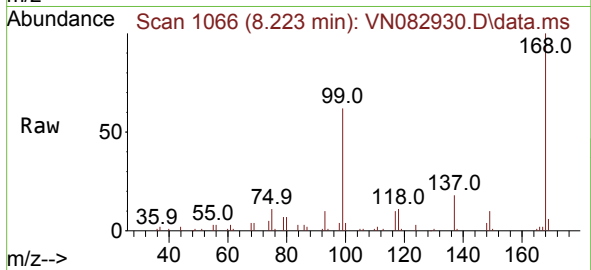
Quant Time: Jul 17 00:52:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration



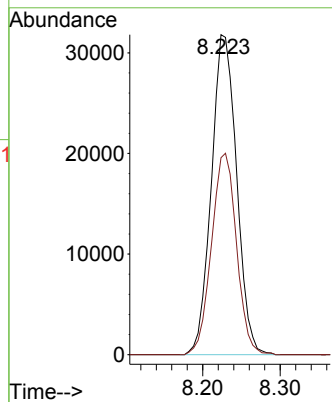
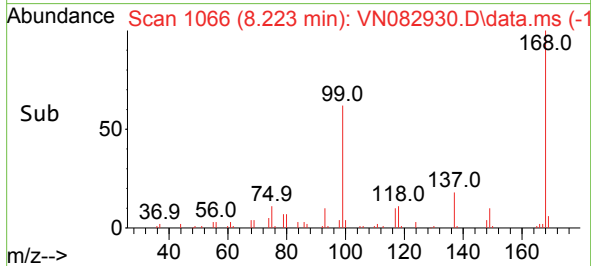


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :

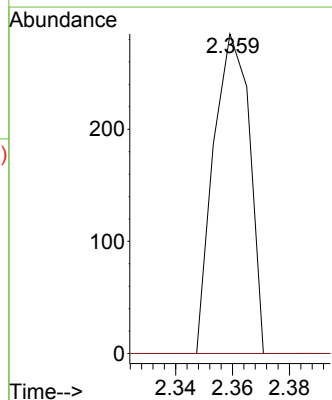
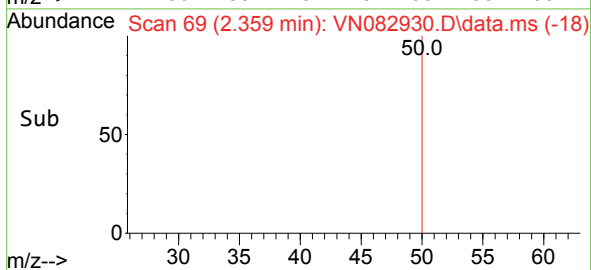
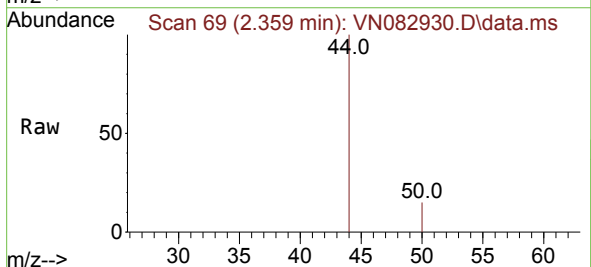


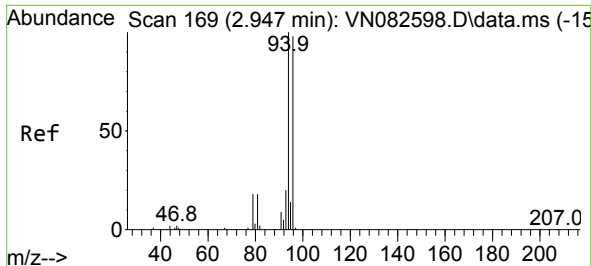
Tgt Ion:168 Resp: 71993
Ion Ratio Lower Upper
168 100
99 61.6 48.2 72.4



#3
Chloromethane
Concen: 0.284 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

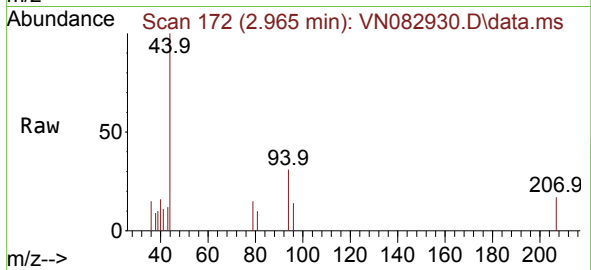
Tgt Ion: 50 Resp: 251
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



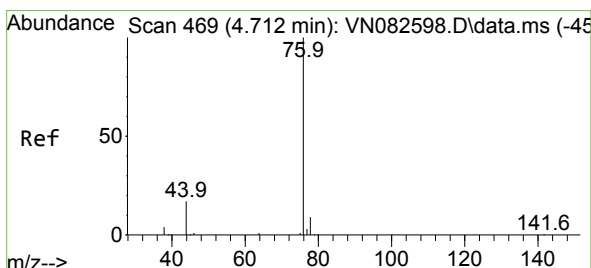
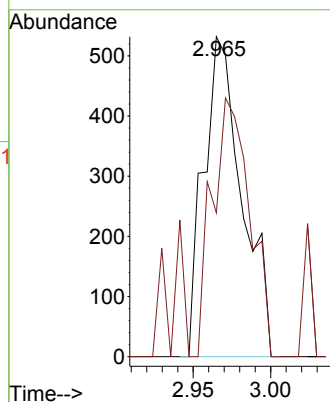
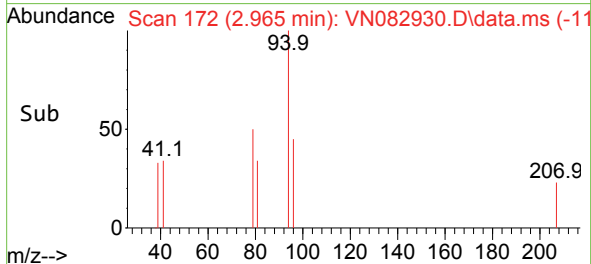


#5
Bromomethane
Concen: 1.367 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :

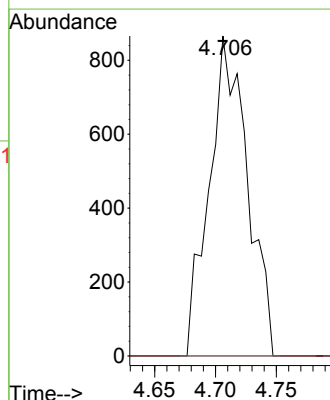
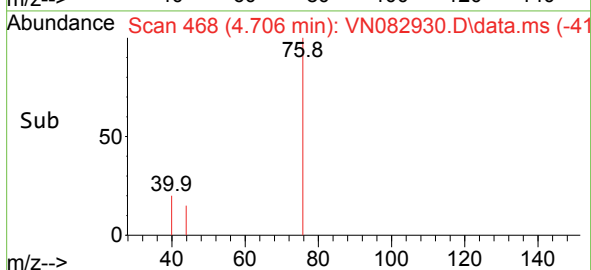
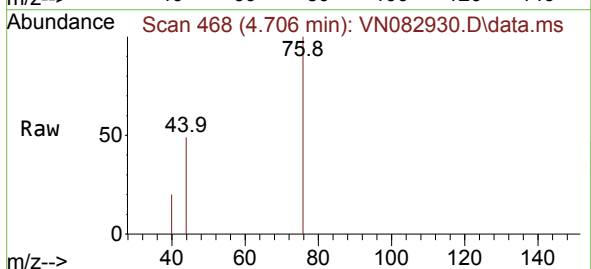


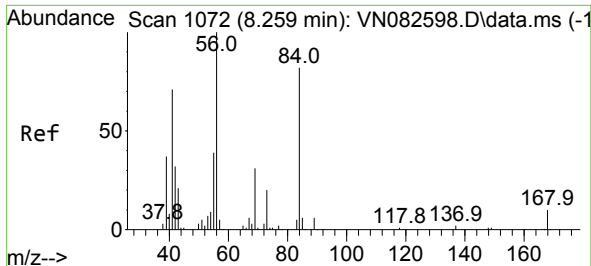
Tgt Ion: 94 Resp: 915
Ion Ratio Lower Upper
94 100
96 44.9 78.0 117.0#



#17
Carbon Disulfide
Concen: 0.861 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

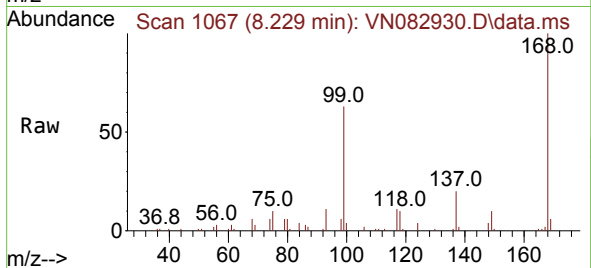
Tgt Ion: 76 Resp: 1890
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



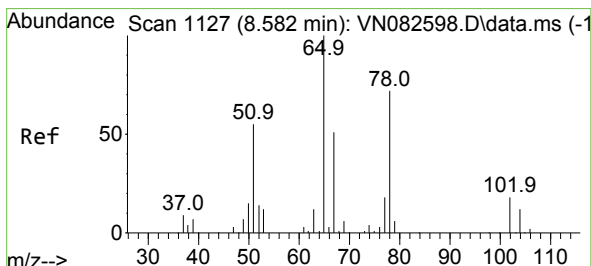
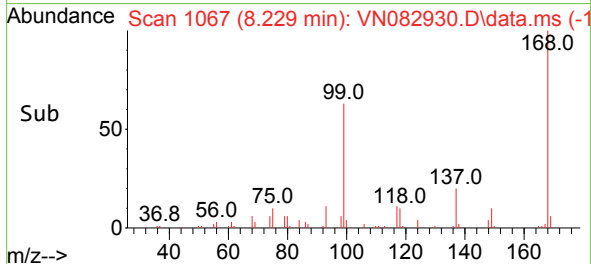
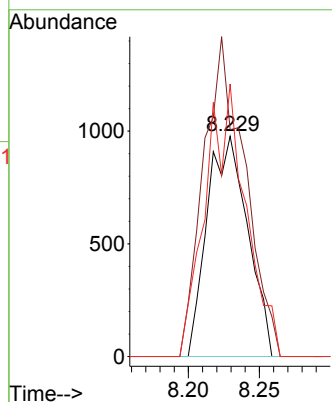


#31
Cyclohexane
Concen: 1.467 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :

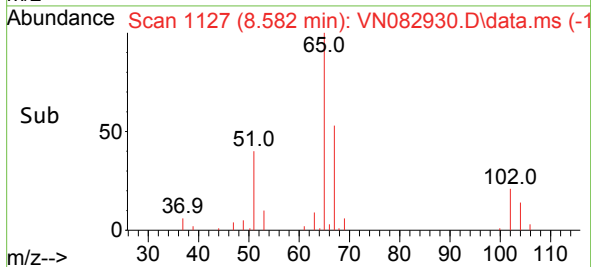
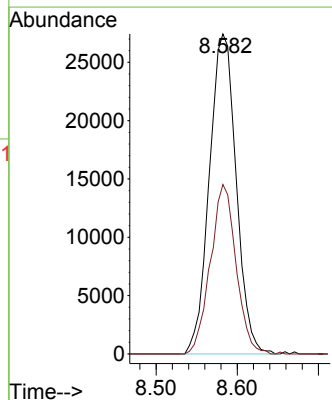
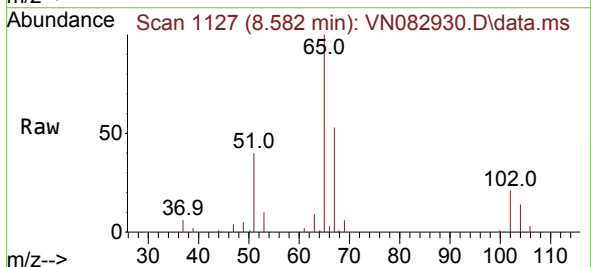


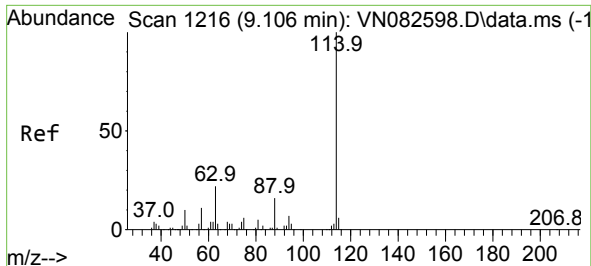
Tgt Ion: 56 Resp: 1935
Ion Ratio Lower Upper
56 100
69 103.1 24.5 36.7#
84 123.7 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 62.383 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

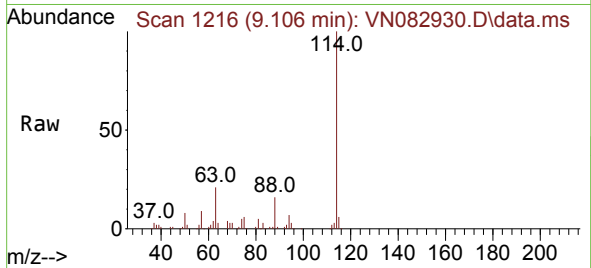
Tgt Ion: 65 Resp: 62957
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.4



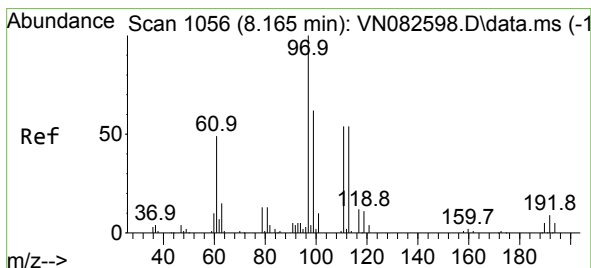
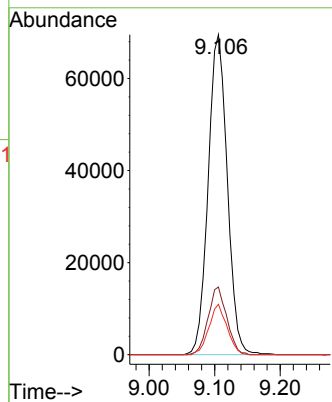
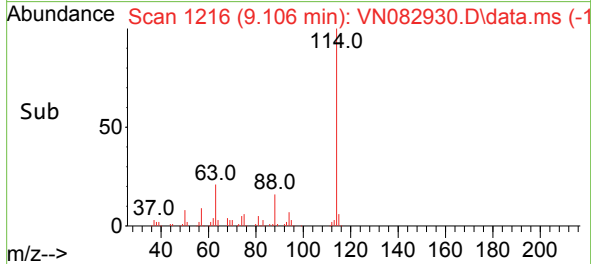


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN082930.D
 Acq: 16 Jul 2024 12:37

Instrument :
 MSVOA_N
 ClientSampleId :

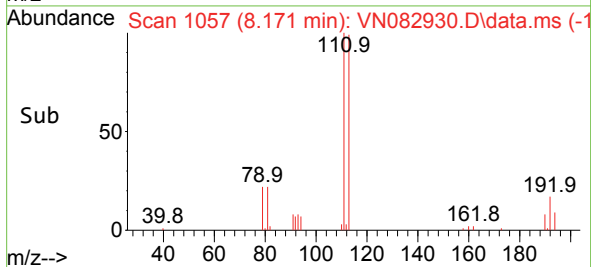
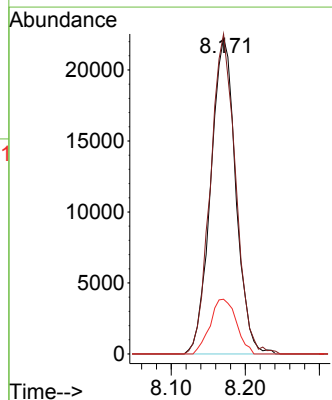
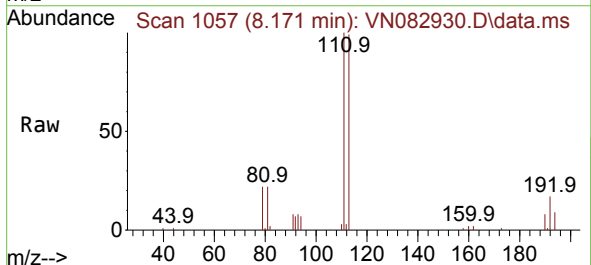


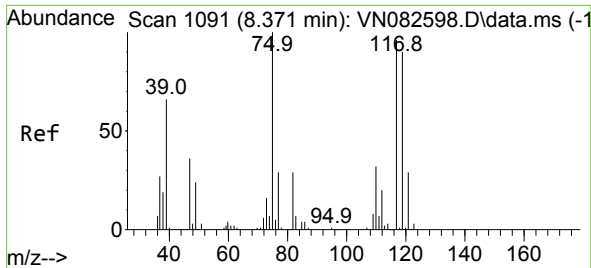
Tgt Ion:114 Resp: 141231
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 44.6
 88 15.7 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 57.544 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN082930.D
 Acq: 16 Jul 2024 12:37

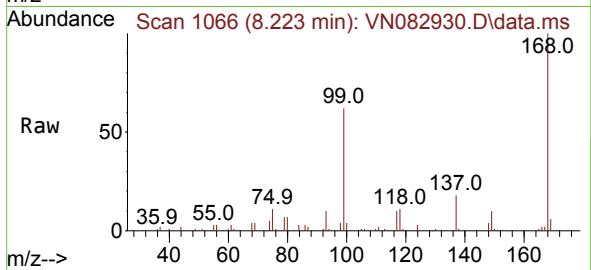
Tgt Ion:113 Resp: 52149
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.4 123.6
 192 18.2 14.9 22.3



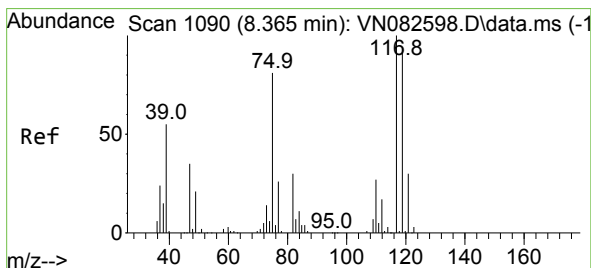
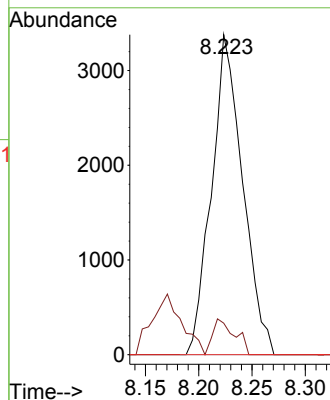
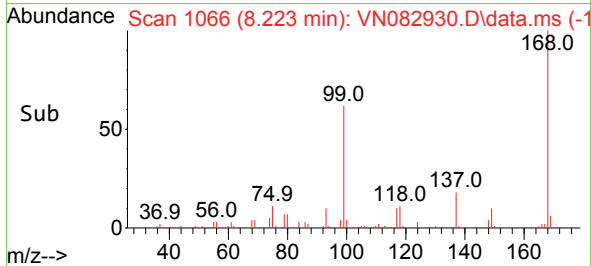


#36
1,1-Dichloropropene
Concen: 5.487 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.148 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Instrument :
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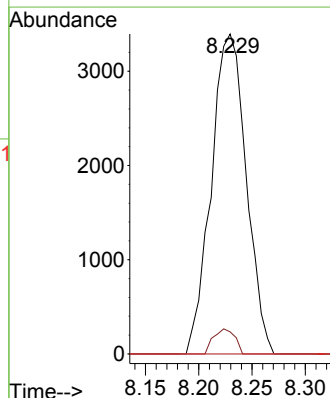
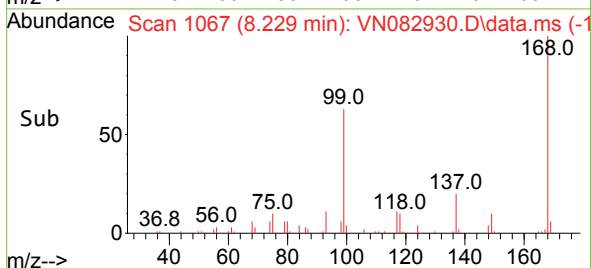
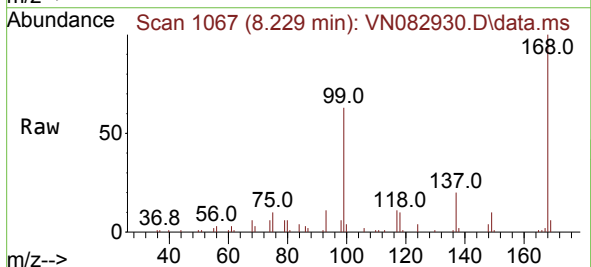


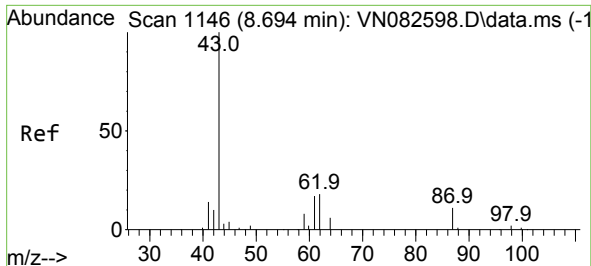
Tgt Ion: 75 Resp: 6856
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.136 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Tgt Ion: 117 Resp: 7752
Ion Ratio Lower Upper
117 100
119 6.9 74.9 112.3#
121 0.0 24.3 36.5#

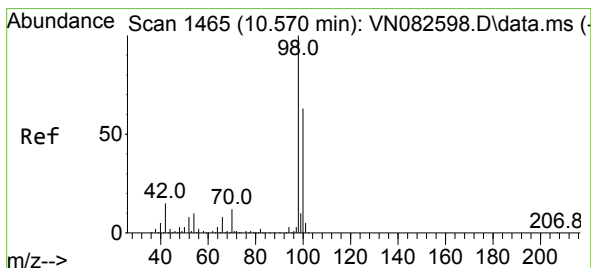
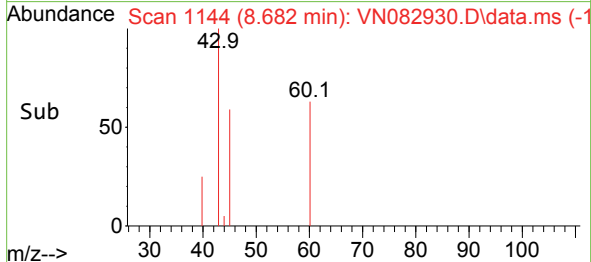
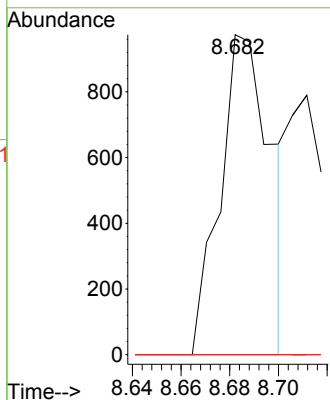
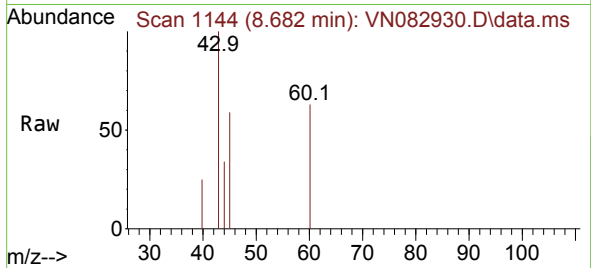




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.682 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

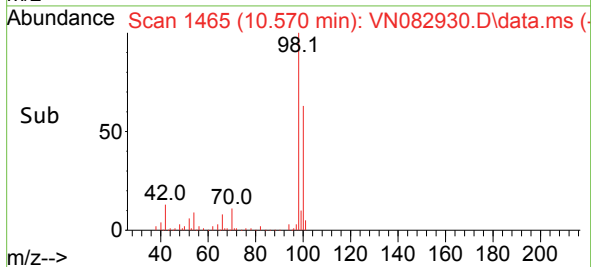
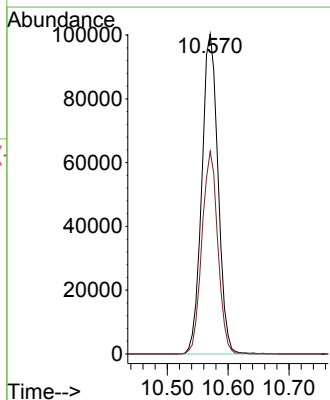
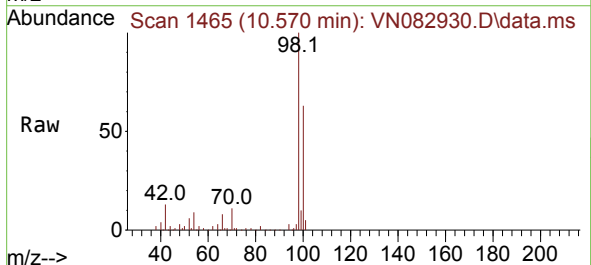
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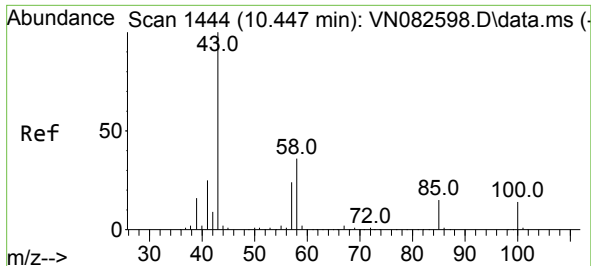
Tgt Ion: 43 Resp: 1406
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 55.559 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

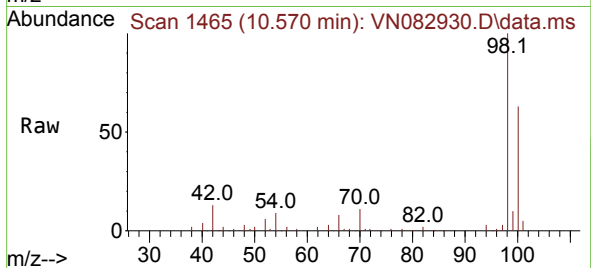
Tgt Ion: 98 Resp: 185965
Ion Ratio Lower Upper
98 100
100 62.0 51.5 77.3



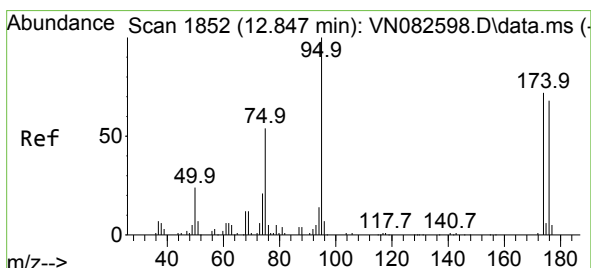
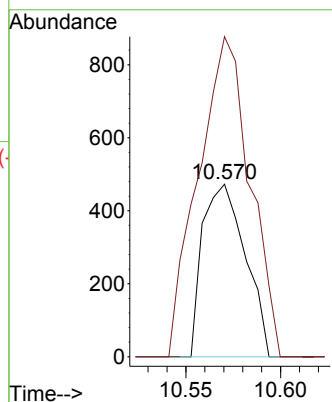
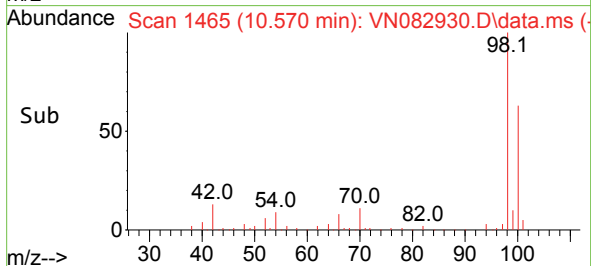


#51
4-Methyl-2-Pentanone
Concen: 0.588 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :

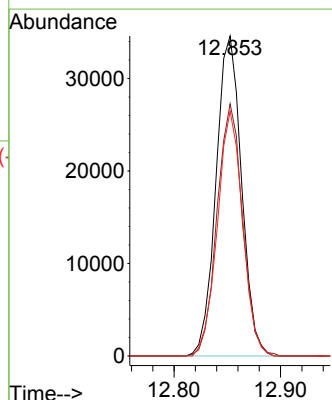
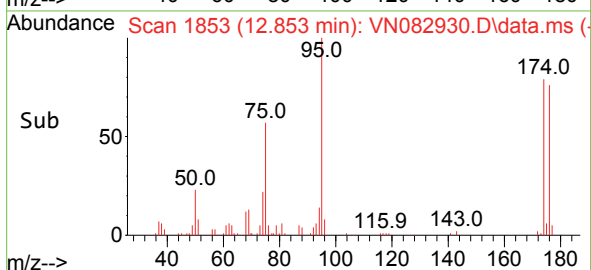
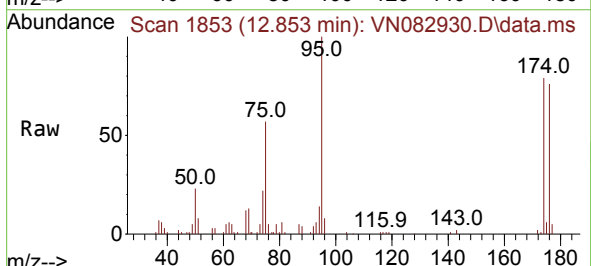


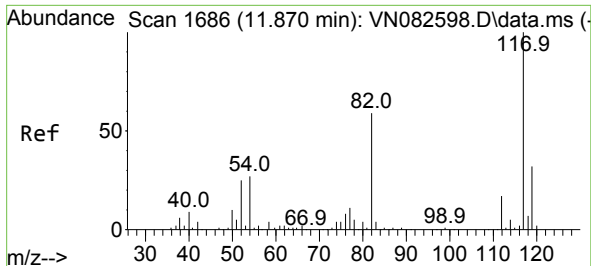
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 224.8 28.2 42.4#



#62
4-Bromofluorobenzene
Concen: 47.763 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

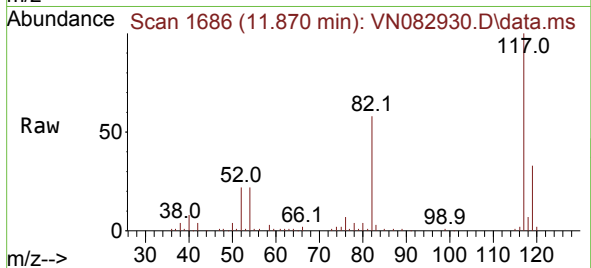
Tgt Ion: 95 Resp: 57427
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.2
176 75.7 0.0 147.6



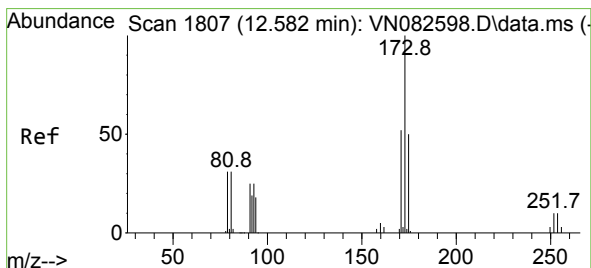
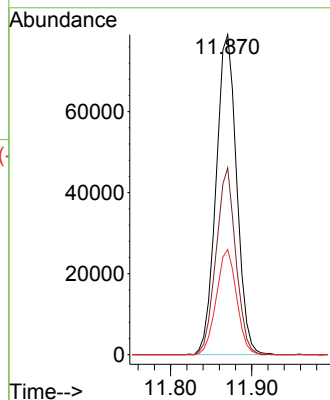
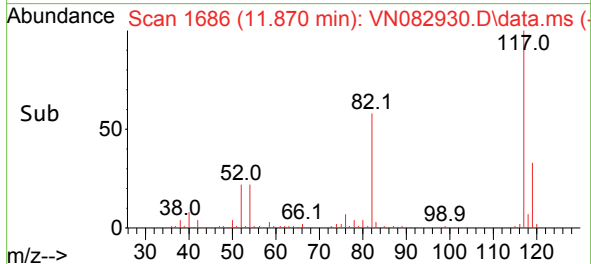


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :

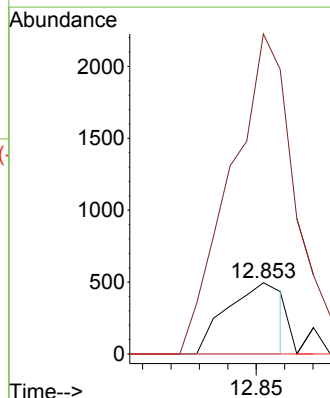
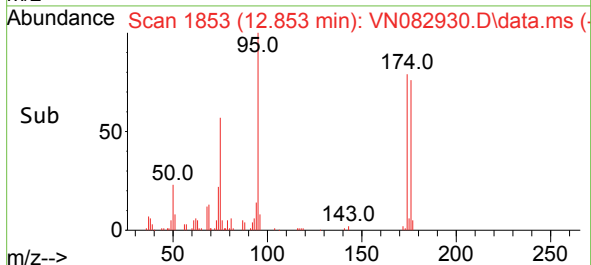
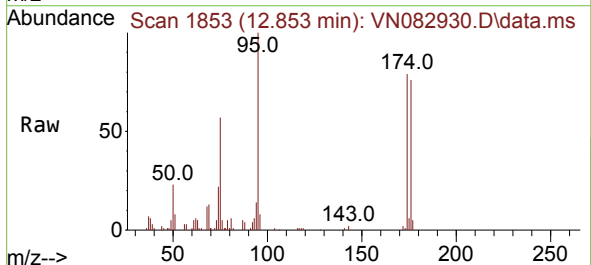


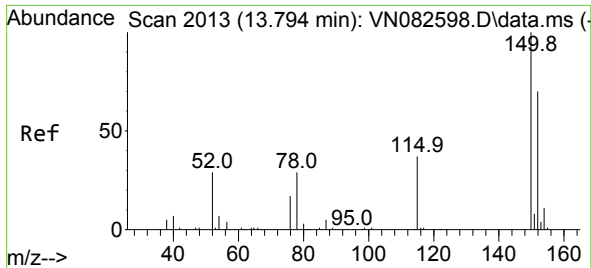
Tgt Ion:117 Resp: 139275
Ion Ratio Lower Upper
117 100
82 58.4 47.5 71.3
119 32.8 25.6 38.4



#71
Bromoform
Concen: 0.811 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Tgt Ion:173 Resp: 677
Ion Ratio Lower Upper
173 100
175 425.4 24.0 72.0#
254 0.0 0.0 0.0

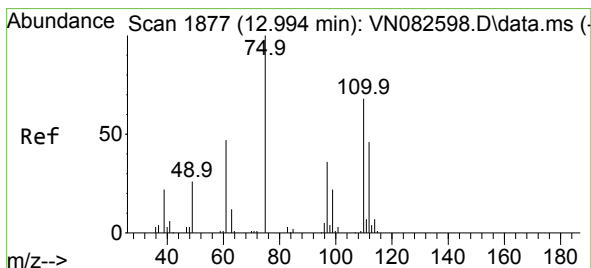
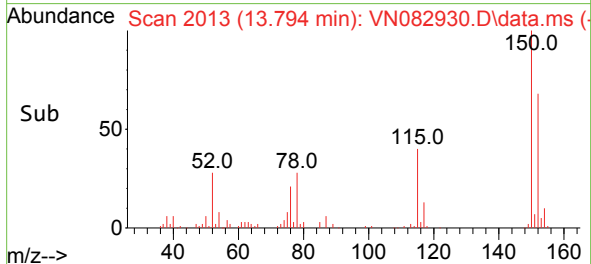
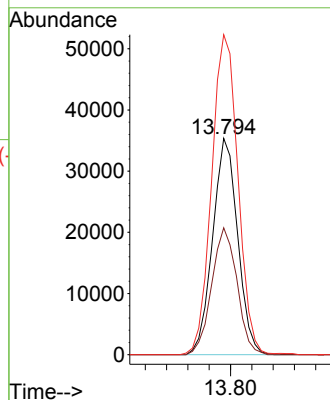
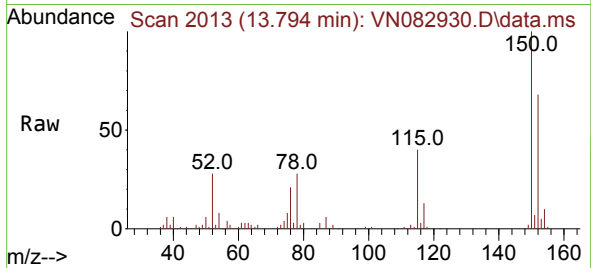




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

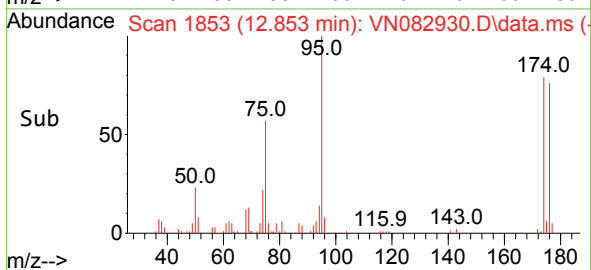
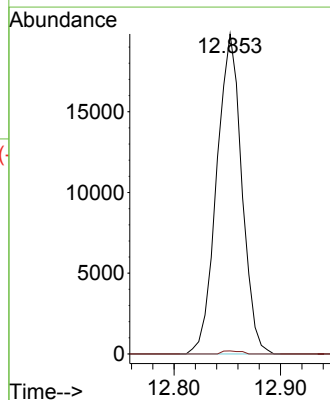
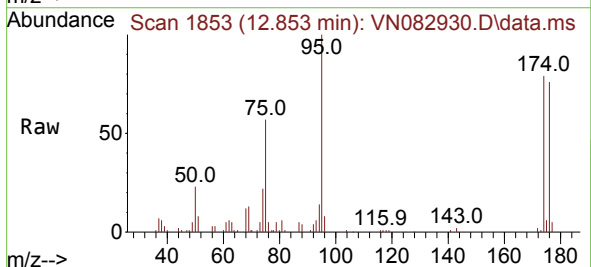
Instrument :
MSVOA_N
ClientSampleId :

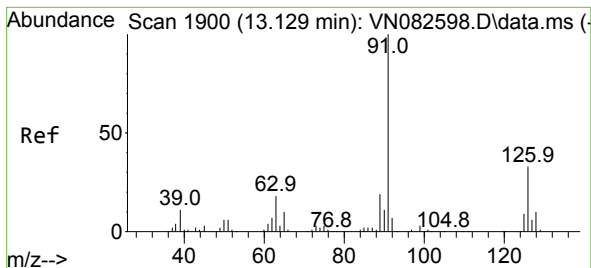
Tgt Ion:	152	Resp:	57648
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.6	91.6
150	155.5	0.0	348.6



#76
1,2,3-Trichloropropane
Concen: 32.636 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Tgt Ion:	75	Resp:	32436
Ion Ratio	Lower	Upper	
75	100		
77	0.7	110.9	332.6#





#79

2-Chlorotoluene

Concen: 0.224 ug/l

RT: 13.229 min Scan# 1900

Delta R.T. 0.100 min

Lab File: VN082930.D

Acq: 16 Jul 2024 12:37

Instrument :

MSVOA_N

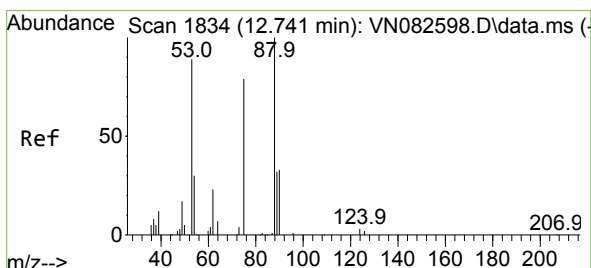
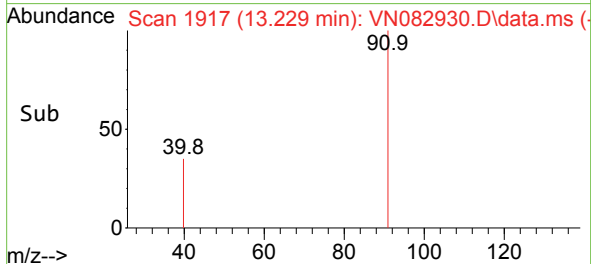
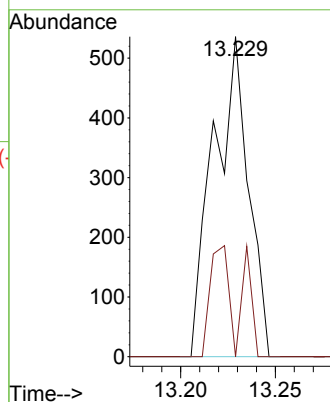
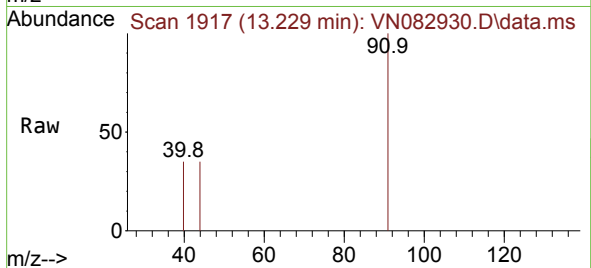
ClientSampleId :

Tgt Ion: 91 Resp: 688

Ion Ratio Lower Upper

91 100

126 27.9 16.2 48.6



#81

trans-1,4-Dichloro-2-butene

Concen: 64.185 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082930.D

Acq: 16 Jul 2024 12:37

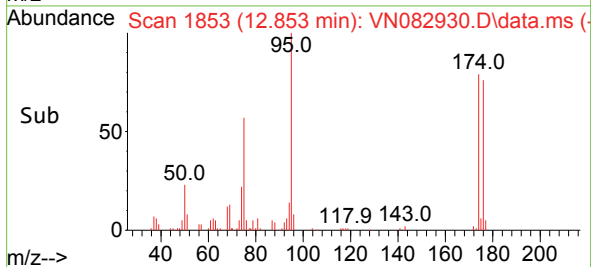
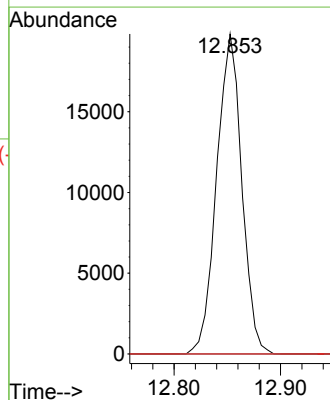
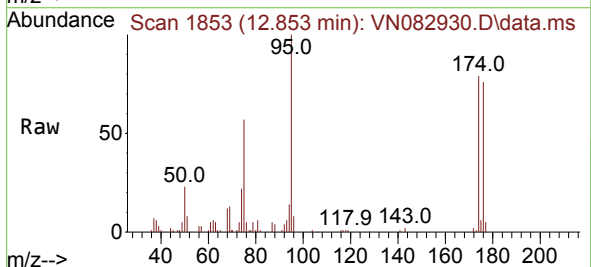
Tgt Ion: 75 Resp: 32436

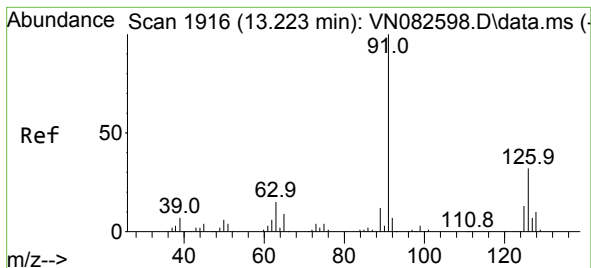
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

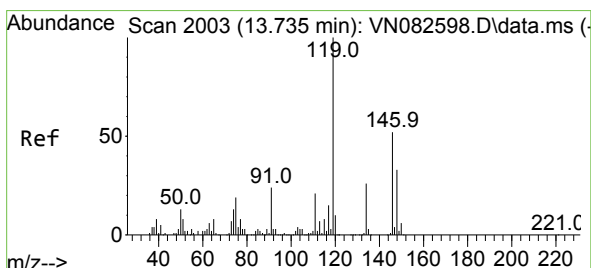
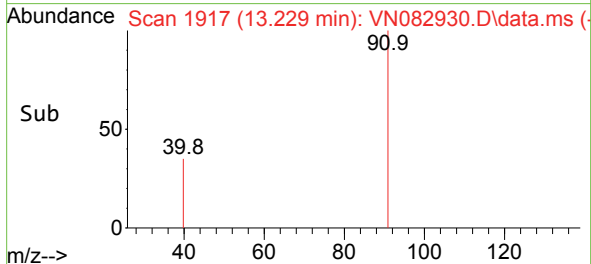
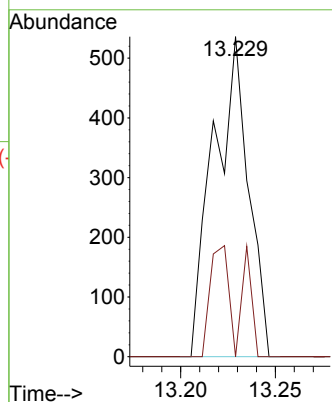
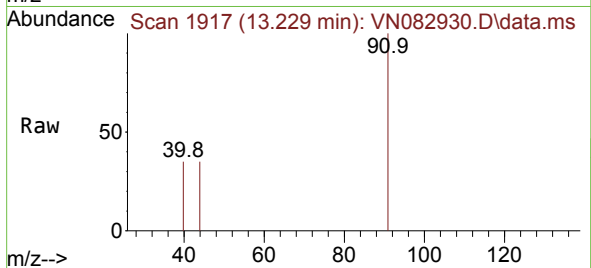




#82
4-Chlorotoluene
Concen: 0.227 ug/l
RT: 13.229 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

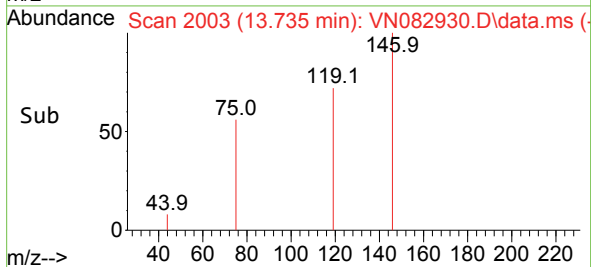
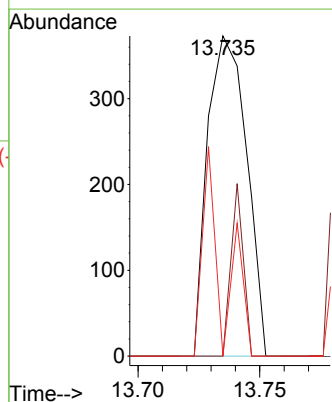
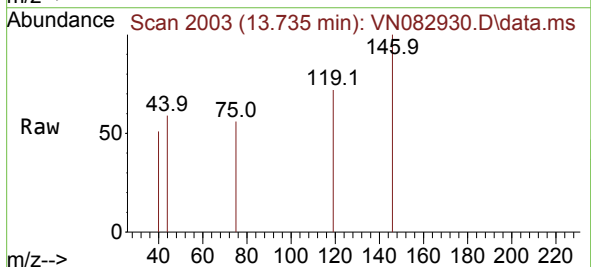
Instrument :
MSVOA_N
ClientSampleId :

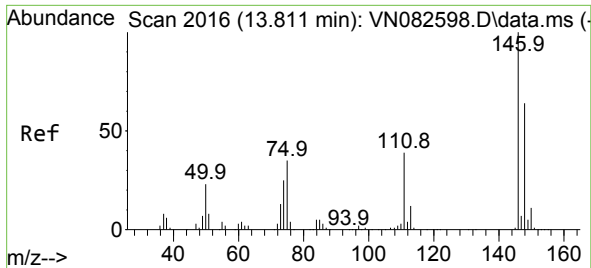
Tgt Ion: 91 Resp: 688
Ion Ratio Lower Upper
91 100
126 27.9 16.2 48.6



#87
1,3-Dichlorobenzene
Concen: 0.213 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

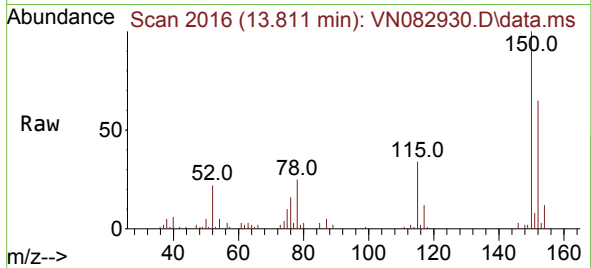
Tgt Ion: 146 Resp: 415
Ion Ratio Lower Upper
146 100
111 17.1 20.6 61.9#
148 34.0 31.8 95.3



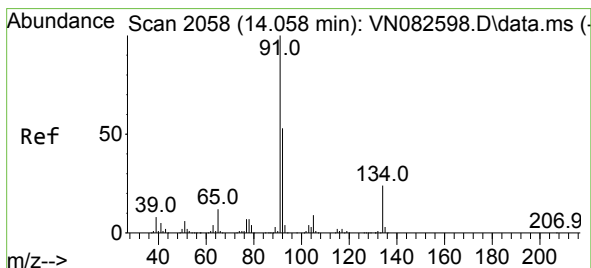
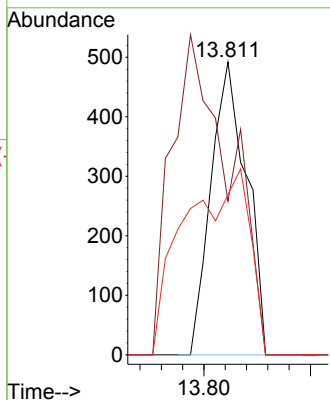
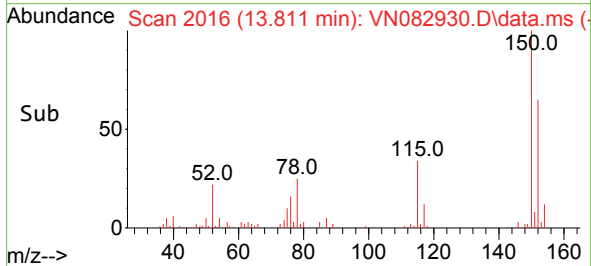


#88
1,4-Dichlorobenzene
Concen: 0.282 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

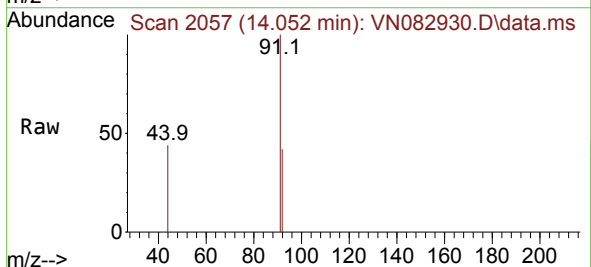
Instrument :
MSVOA_N
ClientSampleId :



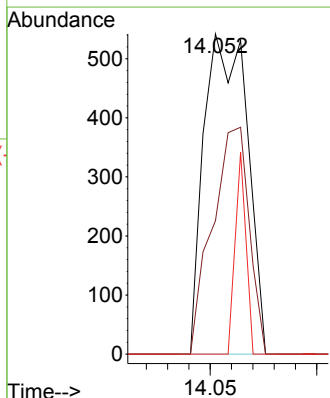
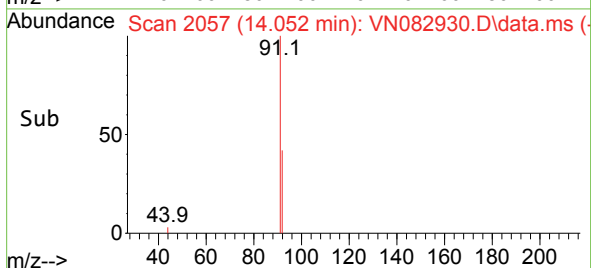
Tgt Ion:146 Resp: 569
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 115.6 32.2 96.6#

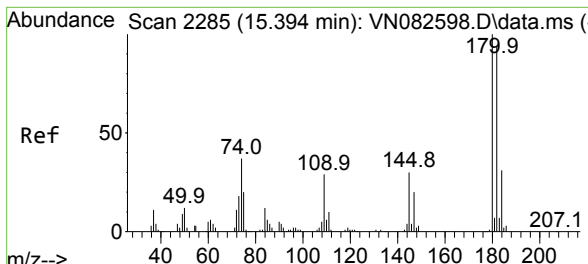


#89
n-Butylbenzene
Concen: 0.263 ug/l
RT: 14.052 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37



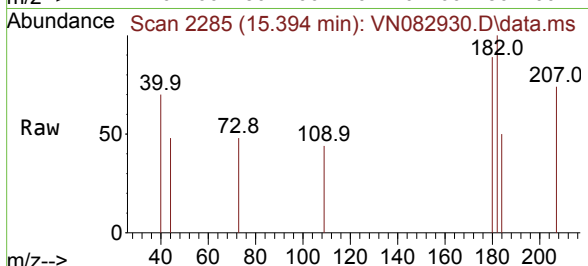
Tgt Ion: 91 Resp: 763
Ion Ratio Lower Upper
91 100
92 60.6 26.1 78.3
134 15.9 12.1 36.3



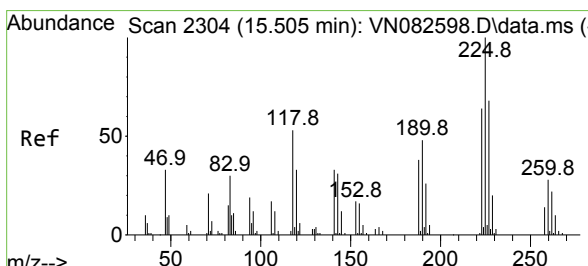
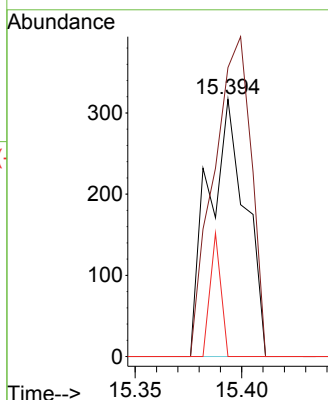
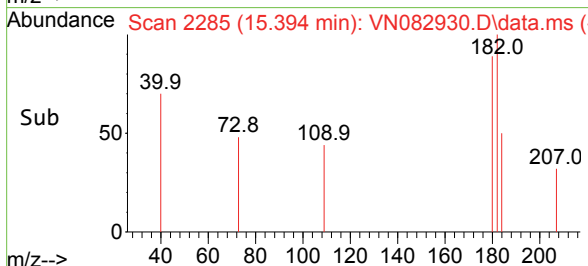


#93
1,2,4-Trichlorobenzene
Concen: 0.374 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :

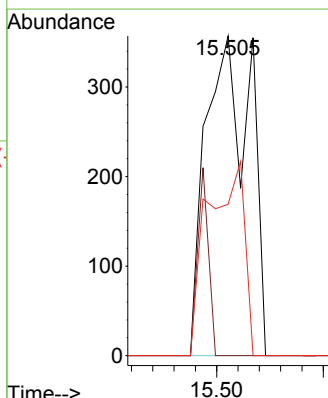
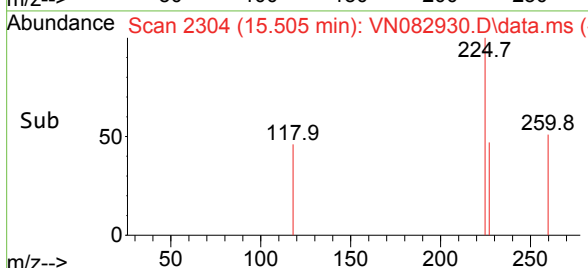
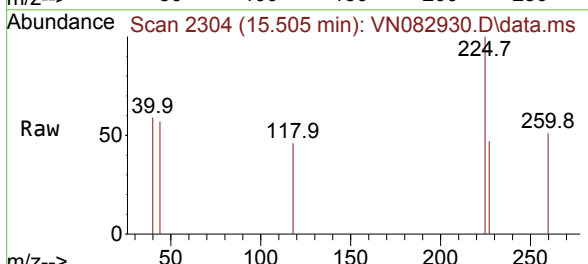


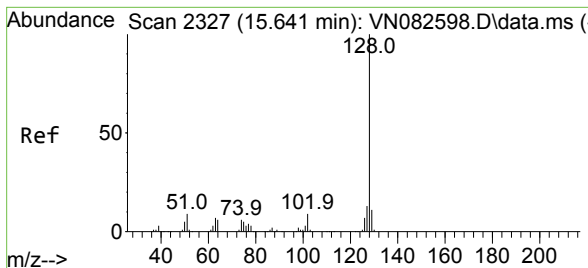
Tgt Ion:180 Resp: 382
Ion Ratio Lower Upper
180 100
182 126.2 47.3 141.8
145 14.1 15.7 47.1#



#94
Hexachlorobutadiene
Concen: 1.131 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN082930.D
Acq: 16 Jul 2024 12:37

Tgt Ion:225 Resp: 512
Ion Ratio Lower Upper
225 100
223 14.5 31.9 95.7#
227 50.0 32.5 97.5





#95

Naphthalene

Concen: 0.727 ug/l

RT: 15.652 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN082930.D

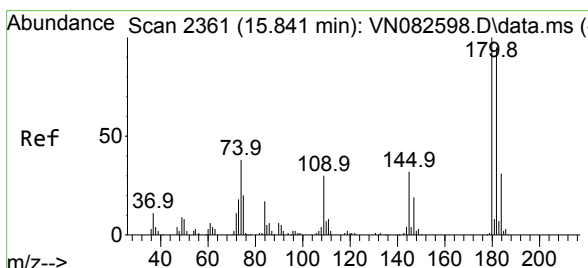
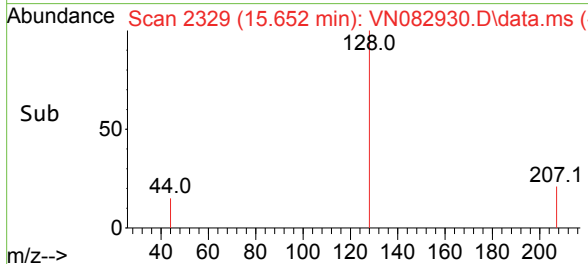
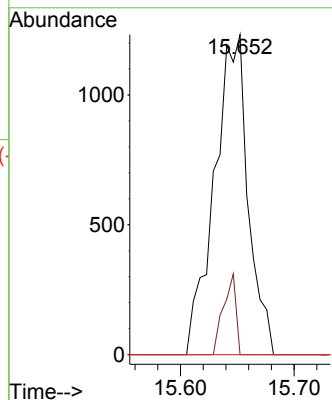
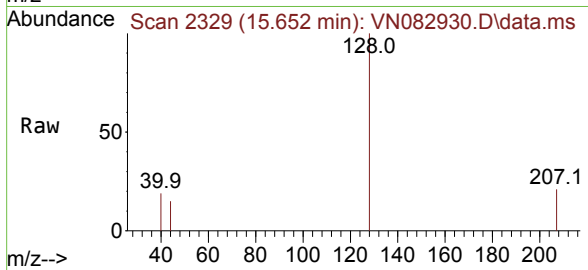
Acq: 16 Jul 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	2542
Ion	Ratio	Lower Upper
128	100	
127	9.4	10.6 16.0#
129	0.0	8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.652 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN082930.D

Acq: 16 Jul 2024 12:37

Tgt Ion:180	Resp:	684
Ion	Ratio	Lower Upper
180	100	
182	81.4	48.9 146.8
145	0.0	16.8 50.4#

