

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072224\
 Data File : VN082997.D
 Acq On : 22 Jul 2024 11:39
 Operator : JC\MD
 Sample : VN0722MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 23 03:47:08 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)

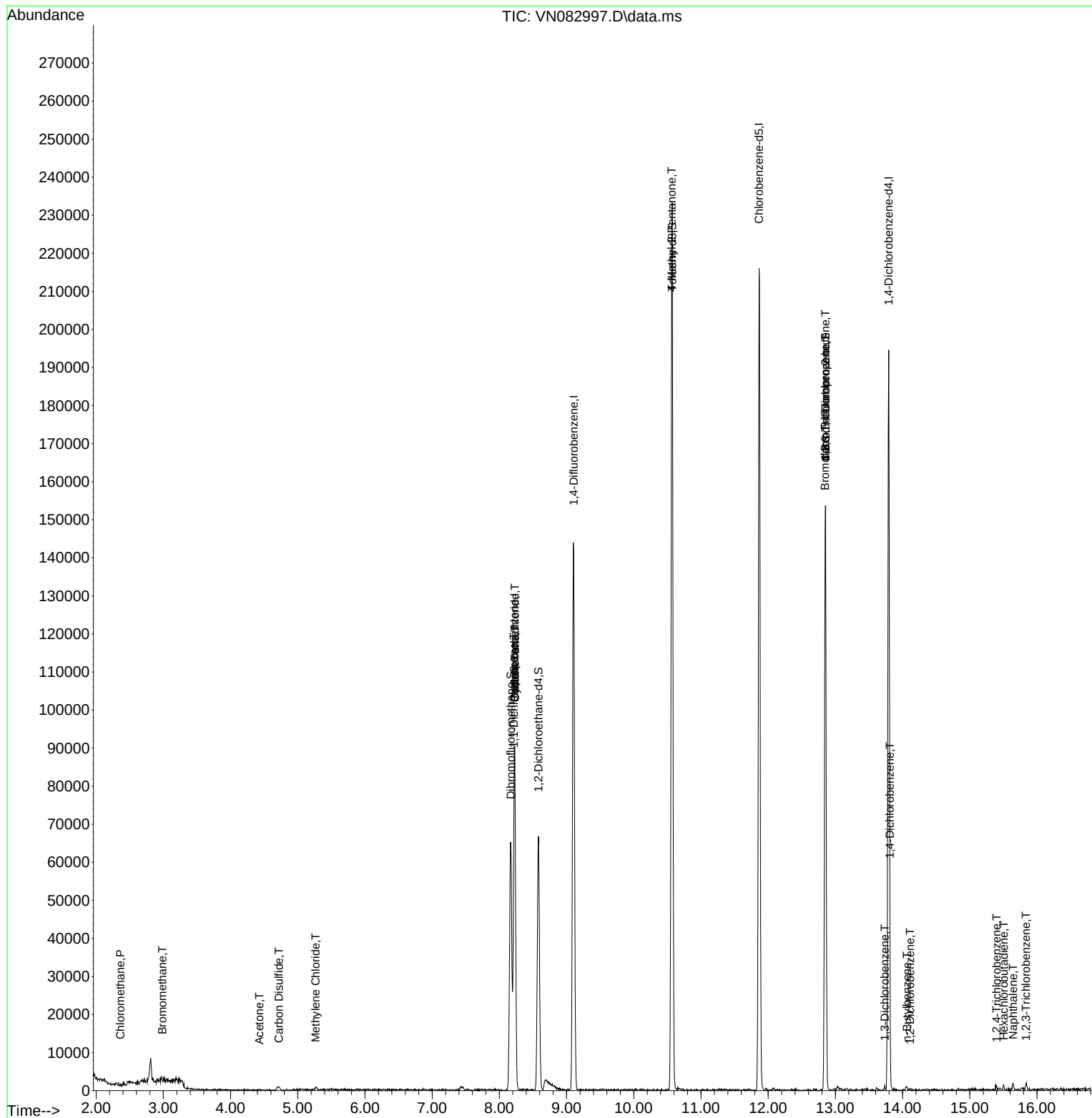
Internal Standards						
1) Pentafluorobenzene	8.224	168	64541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	123699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	124487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	50770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	55425	61.261	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.520%			
35) Dibromofluoromethane	8.171	113	46469	58.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.080%			
50) Toluene-d8	10.571	98	161180	54.979	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.960%			
62) 4-Bromofluorobenzene	12.853	95	48141	45.714	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.420%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	235	0.297	ug/l #	43
5) Bromomethane	2.983	94	557	0.928	ug/l	89
16) Acetone	4.430	43	203	0.637	ug/l #	48
17) Carbon Disulfide	4.718	76	1946	0.988	ug/l #	75
20) Methylene Chloride	5.265	84	374	0.486	ug/l #	46
31) Cyclohexane	8.230	56	1629	1.377	ug/l #	23
36) 1,1-Dichloropropene	8.218	75	5919	5.409	ug/l #	46
38) Carbon Tetrachloride	8.230	117	7075	5.369	ug/l #	17
43) Isopropyl Acetate	8.706	43	3567	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.565	43	912	0.826	ug/l #	1
71) Bromoform	12.847	173	557	0.746	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	27834	31.799	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	27834	62.540	ug/l #	6
87) 1,3-Dichlorobenzene	13.735	146	445	0.259	ug/l #	55
88) 1,4-Dichlorobenzene	13.812	146	713	0.401	ug/l #	69
89) n-Butylbenzene	14.064	91	804	0.315	ug/l #	83
91) 1,2-Dichlorobenzene	14.112	146	380	0.228	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.400	180	596	0.663	ug/l #	83
94) Hexachlorobutadiene	15.506	225	390	0.978	ug/l #	72
95) Naphthalene	15.647	128	2369	0.769	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.835	180	788	0.852	ug/l #	83

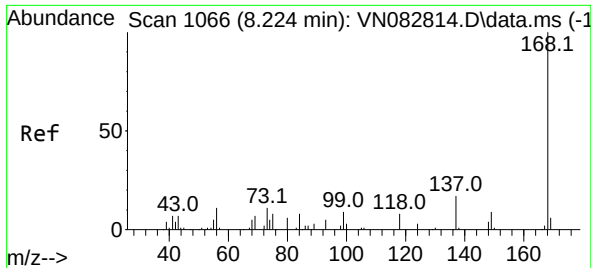
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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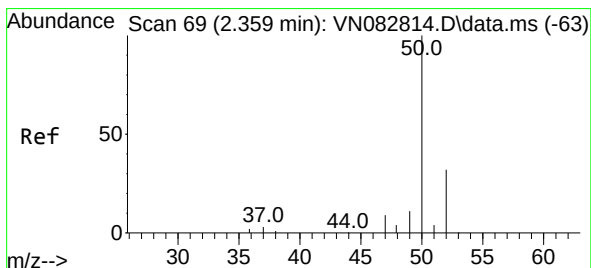
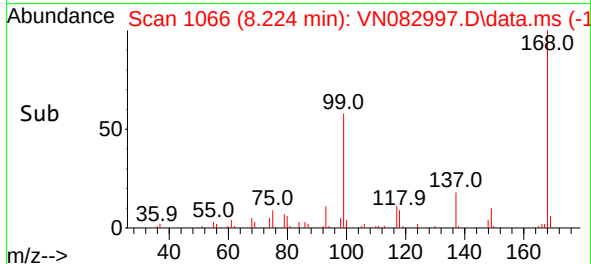
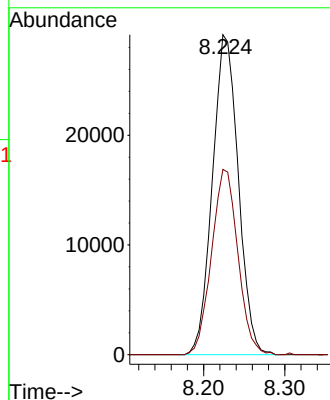
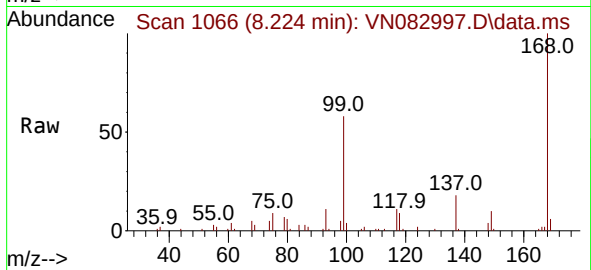




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

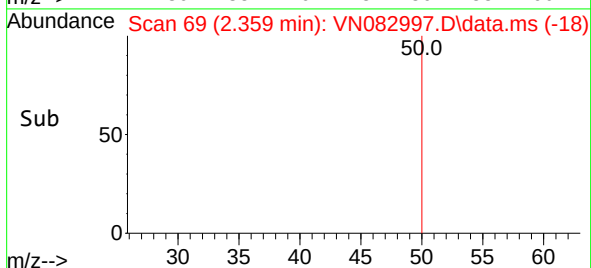
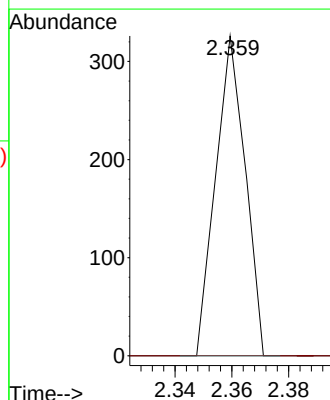
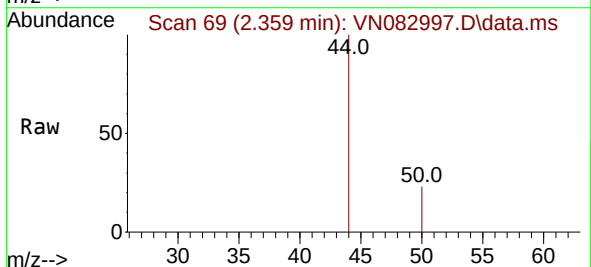
Instrument :
MSVOA_N
ClientSampleId :

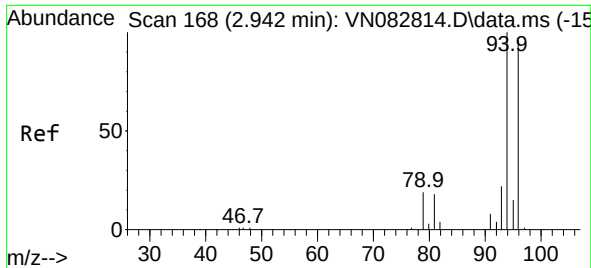
Tgt Ion:168 Resp: 64541
Ion Ratio Lower Upper
168 100
99 57.9 48.2 72.4



#3
Chloromethane
Concen: 0.297 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

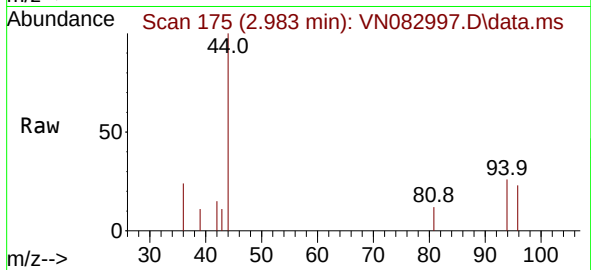
Tgt Ion: 50 Resp: 235
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



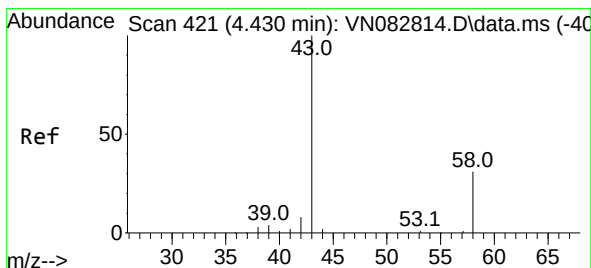
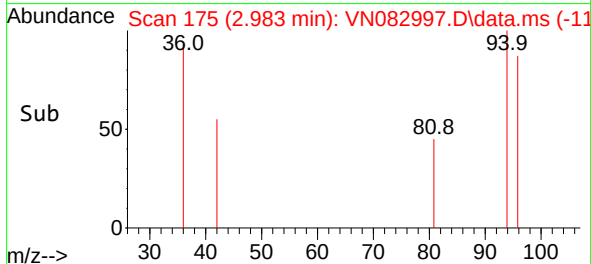
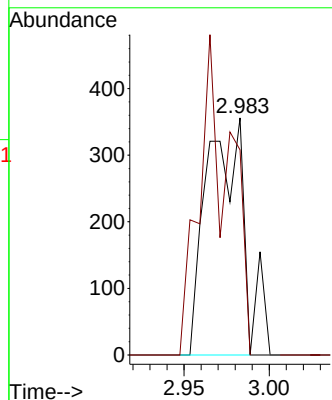


#5
Bromomethane
Concen: 0.928 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Instrument :
MSVOA_N
ClientSampleId :

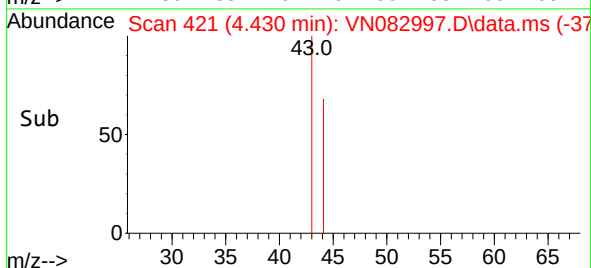
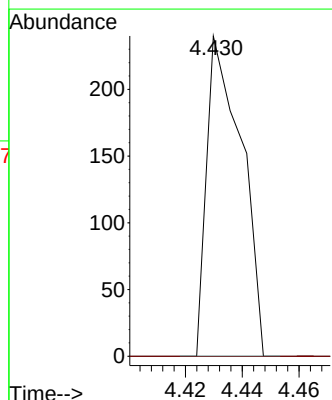
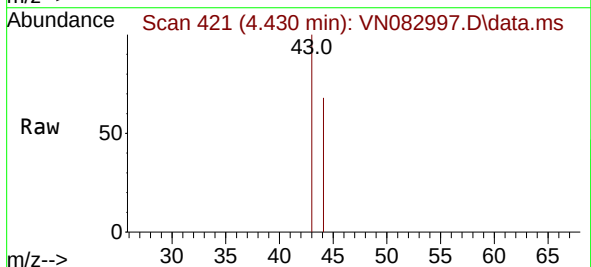


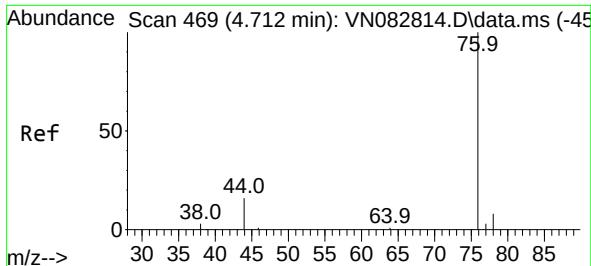
Tgt Ion: 94 Resp: 557
Ion Ratio Lower Upper
94 100
96 86.5 78.0 117.0



#16
Acetone
Concen: 0.637 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#





#17

Carbon Disulfide

Concen: 0.988 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082997.D

Acq: 22 Jul 2024 11:39

Instrument :

MSVOA_N

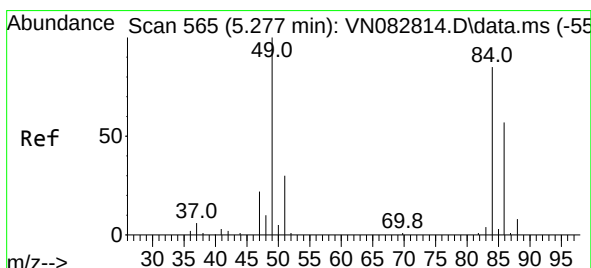
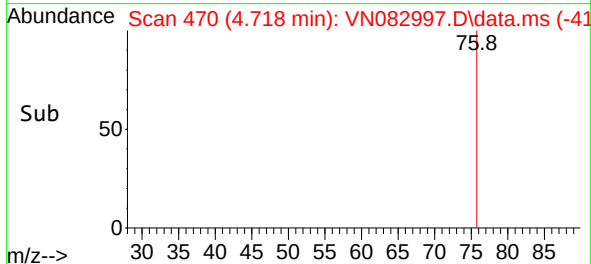
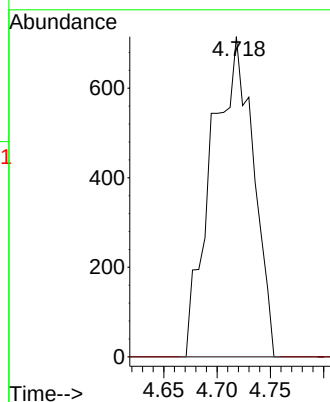
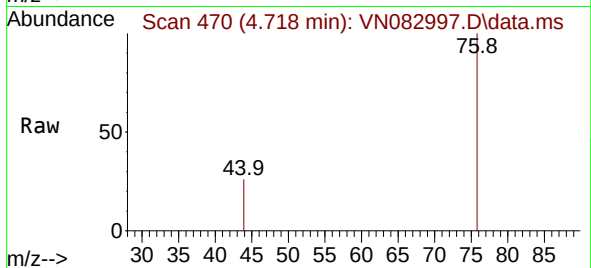
ClientSampleId :

Tgt Ion: 76 Resp: 1946

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.486 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN082997.D

Acq: 22 Jul 2024 11:39

Tgt Ion: 84 Resp: 374

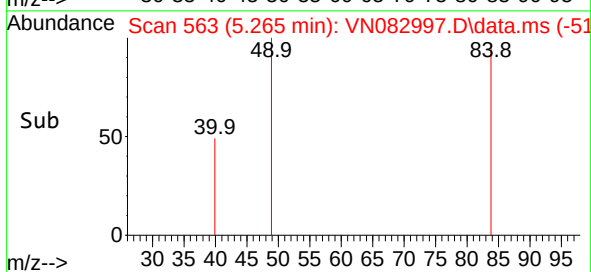
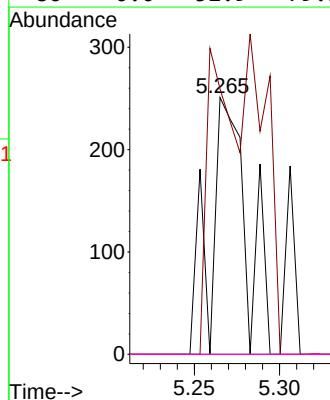
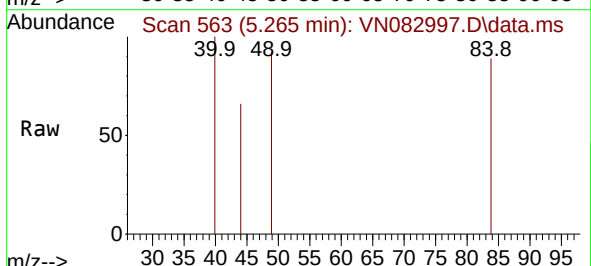
Ion Ratio Lower Upper

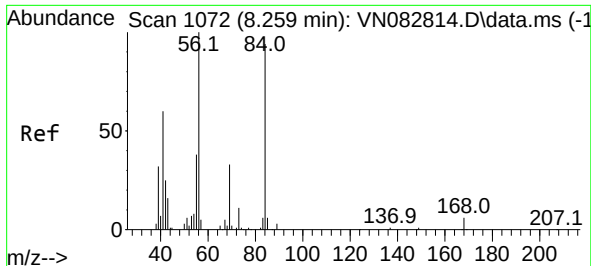
84 100

49 103.2 119.6 179.4#

51 0.0 34.8 52.2#

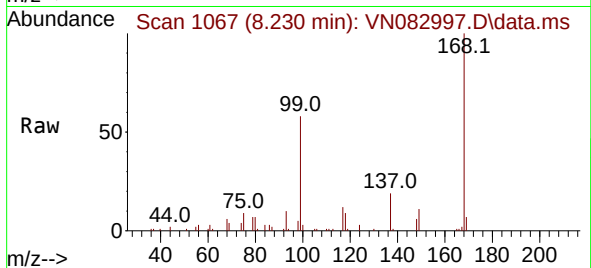
86 0.0 52.9 79.3#



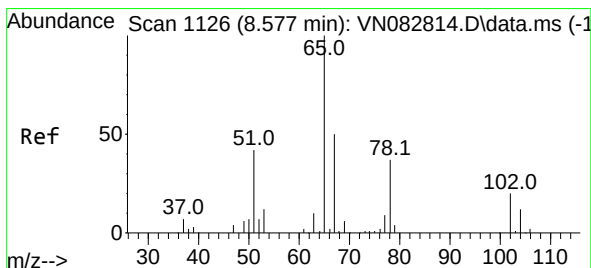
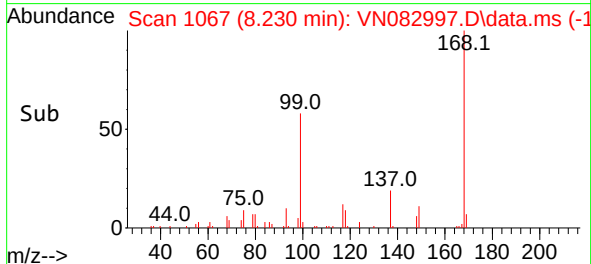
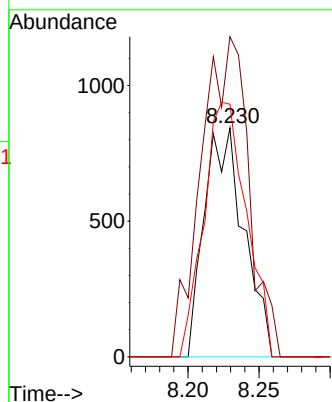


#31
Cyclohexane
Concen: 1.377 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Instrument :
MSVOA_N
ClientSampleId :

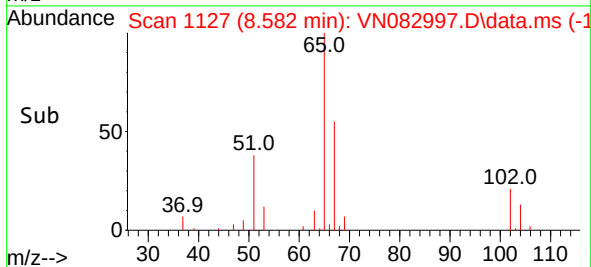
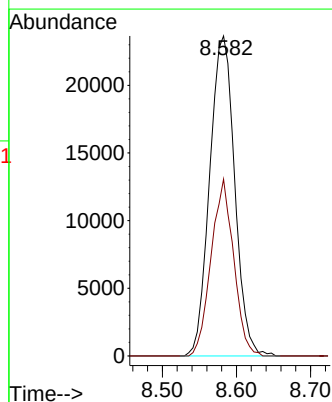
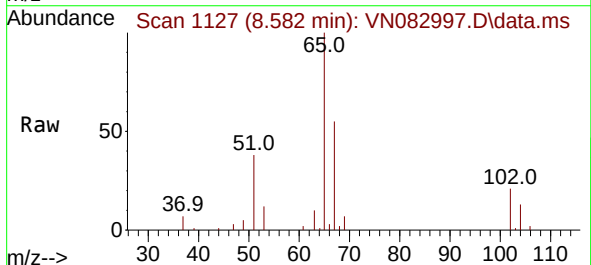


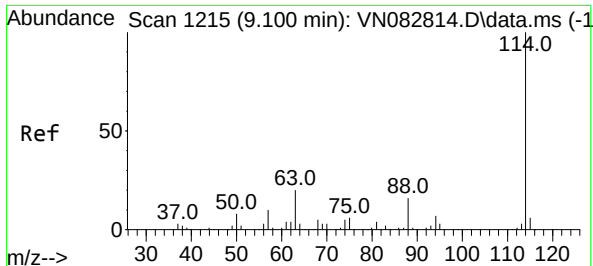
Tgt Ion: 56 Resp: 1629
Ion Ratio Lower Upper
56 100
69 139.8 24.5 36.7#
84 110.3 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 61.261 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Tgt Ion: 65 Resp: 55425
Ion Ratio Lower Upper
65 100
67 49.9 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: VN082997.D

Acq: 22 Jul 2024 11:39

Instrument :

MSVOA_N

ClientSampleId :

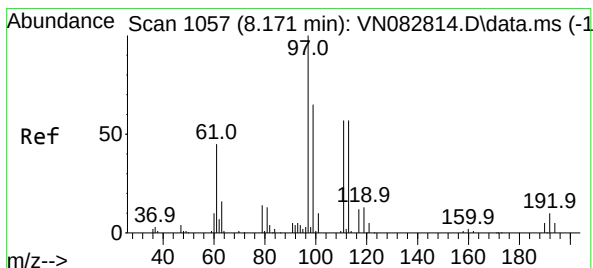
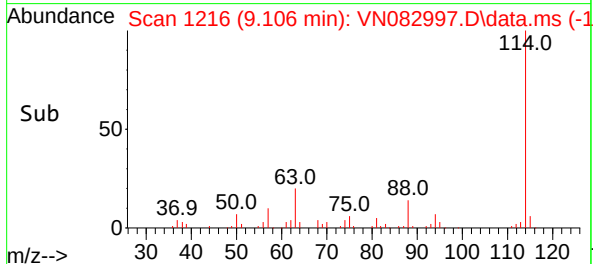
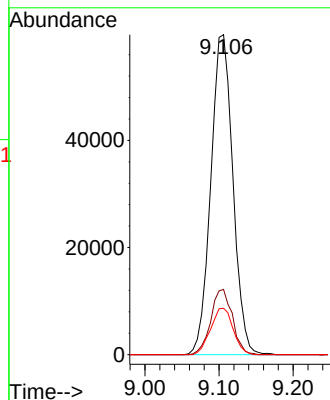
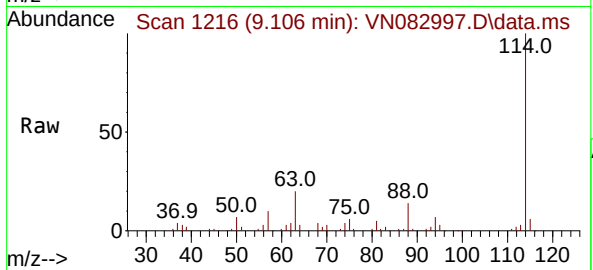
Tgt Ion:114 Resp: 123699

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.6

88 14.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 58.544 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082997.D

Acq: 22 Jul 2024 11:39

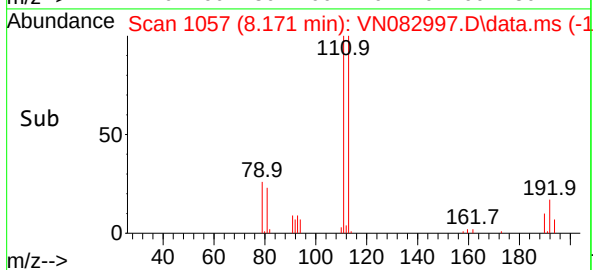
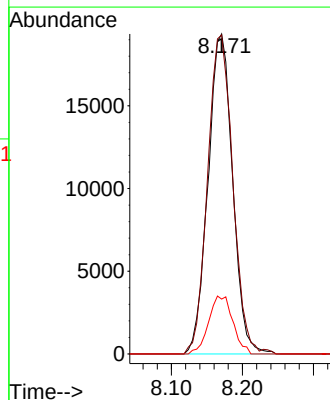
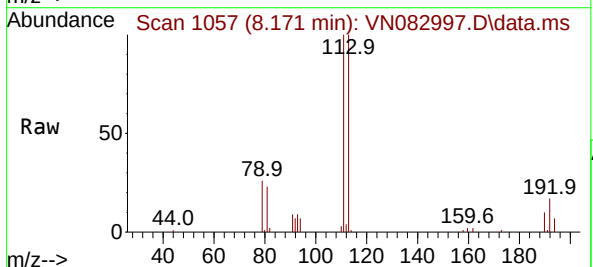
Tgt Ion:113 Resp: 46469

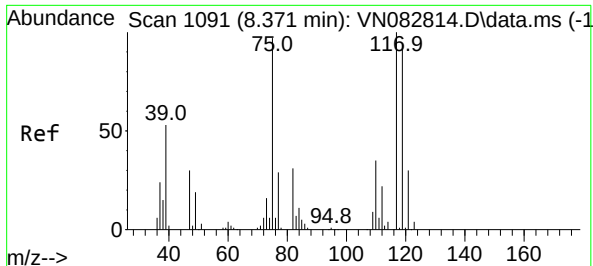
Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

192 17.8 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.409 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN082997.D

Acq: 22 Jul 2024 11:39

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ClientSampleId :

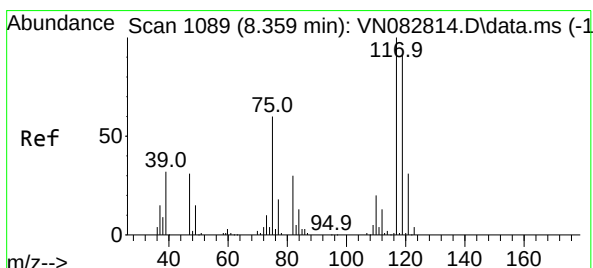
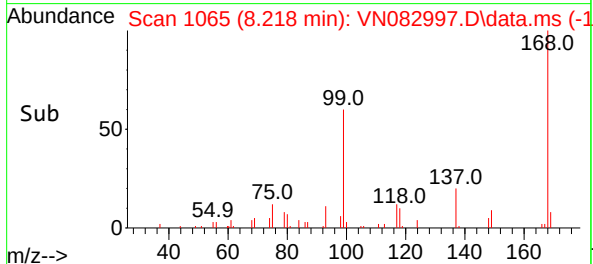
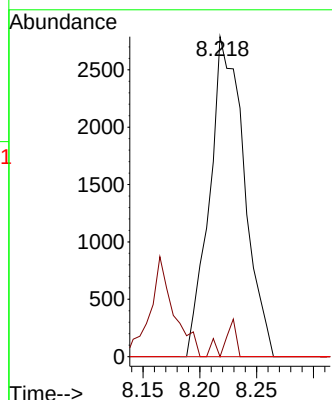
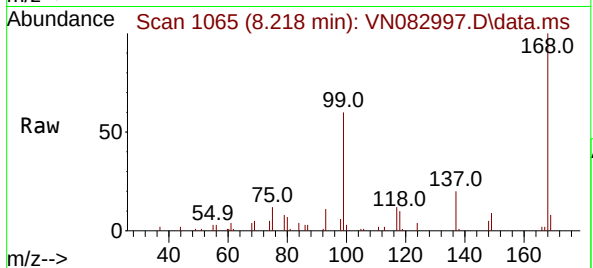
Tgt Ion: 75 Resp: 5919

Ion Ratio Lower Upper

75 100

110 3.9 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.369 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082997.D

Acq: 22 Jul 2024 11:39

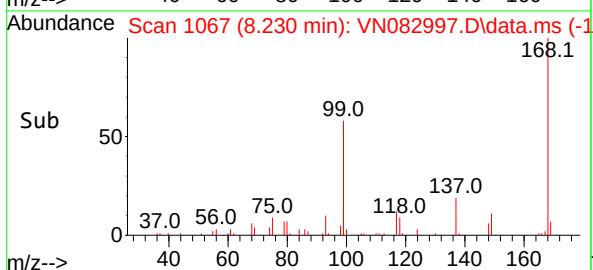
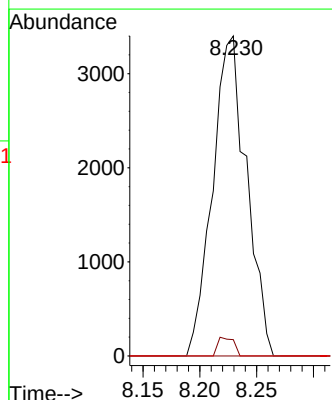
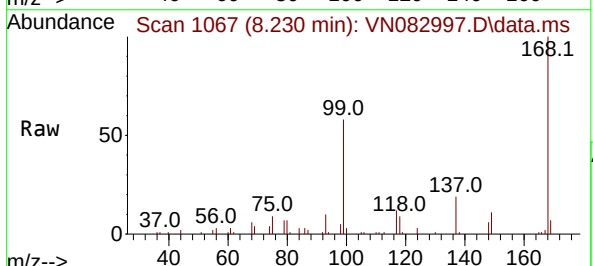
Tgt Ion: 117 Resp: 7075

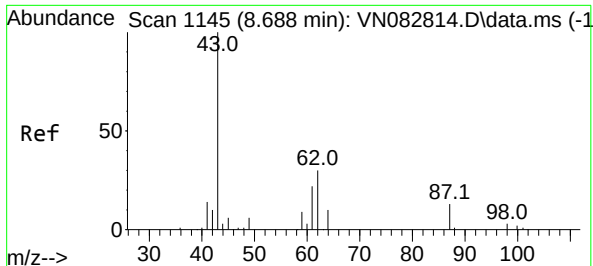
Ion Ratio Lower Upper

117 100

119 5.1 74.9 112.3#

121 0.0 24.3 36.5#

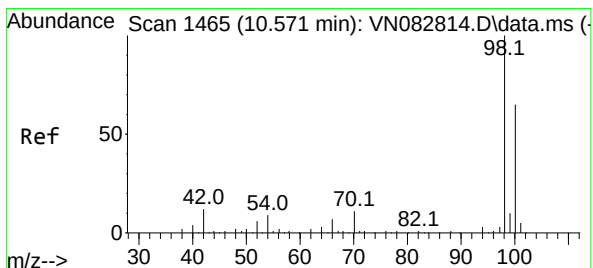
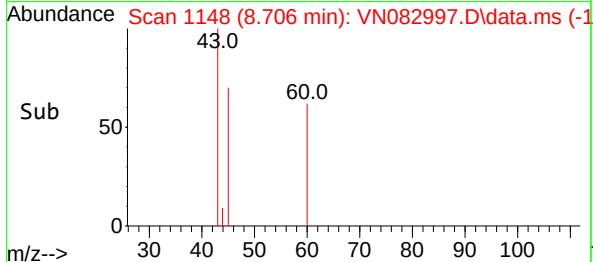
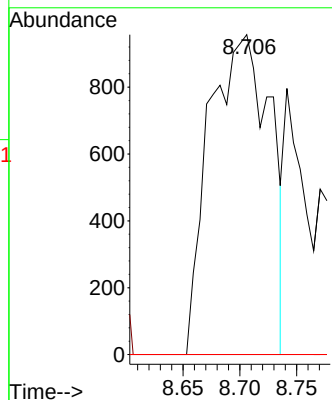
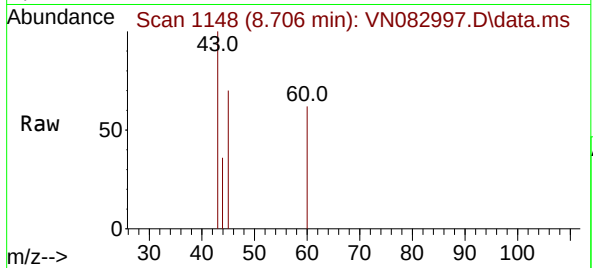




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.706 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

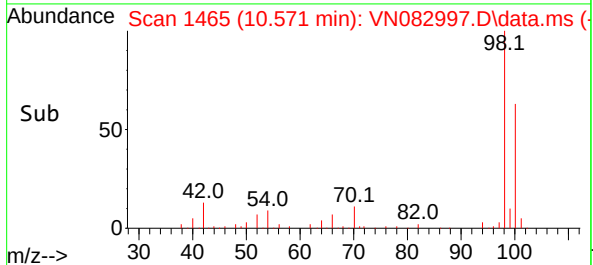
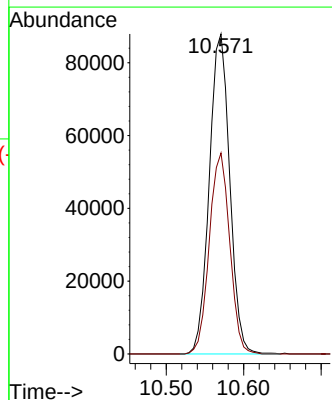
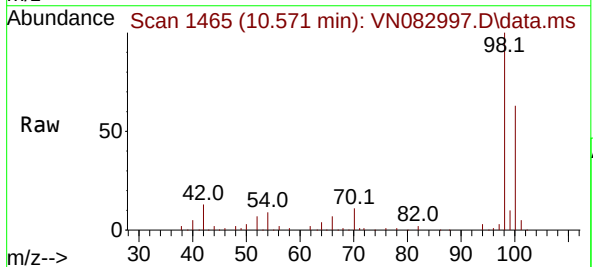
Instrument :
MSVOA_N
ClientSampleId :

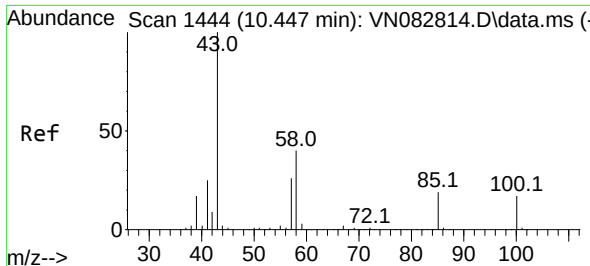
Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 54.979 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Tgt Ion: 98 Resp: 161180
Ion Ratio Lower Upper
98 100
100 62.7 51.5 77.3

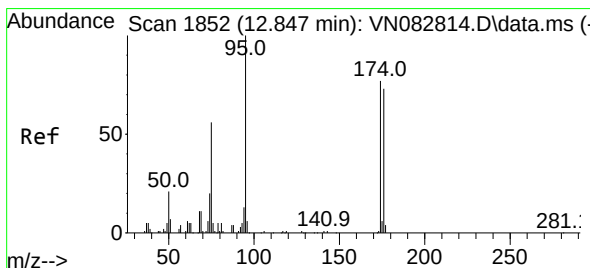
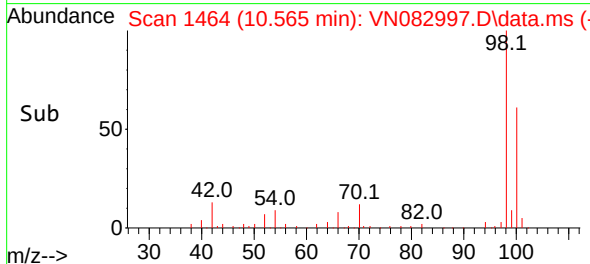
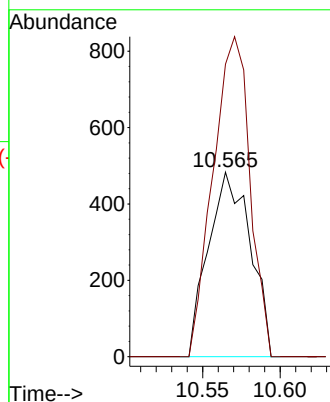
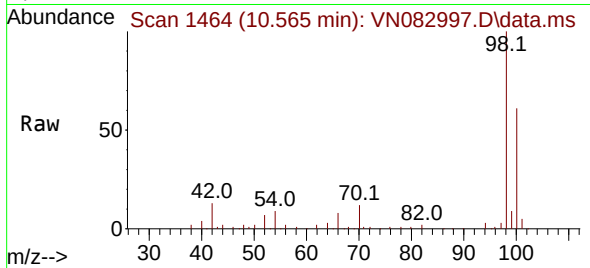




#51
4-Methyl-2-Pentanone
Concen: 0.826 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

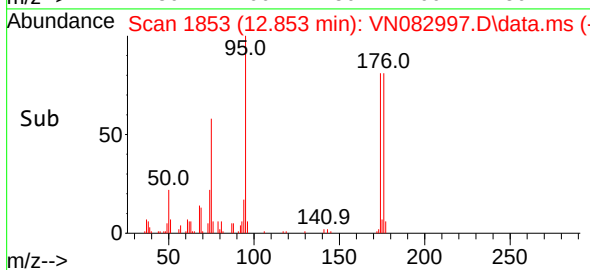
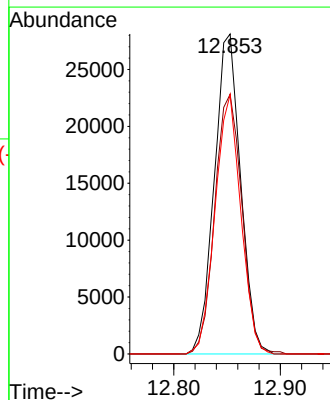
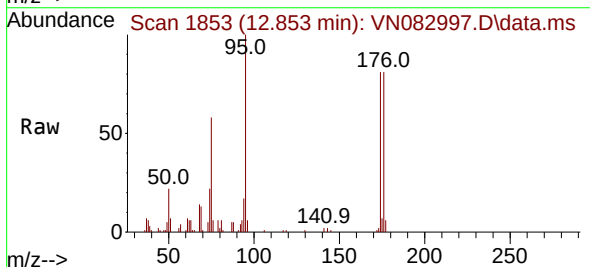
Instrument :
MSVOA_N
ClientSampleId :

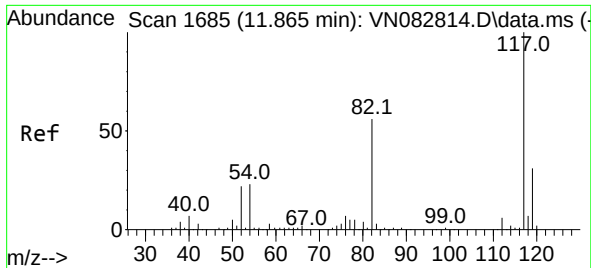
Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
58 152.4 28.2 42.4#



#62
4-Bromofluorobenzene
Concen: 45.714 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Tgt Ion: 95 Resp: 48141
Ion Ratio Lower Upper
95 100
174 83.8 0.0 159.2
176 79.3 0.0 147.6

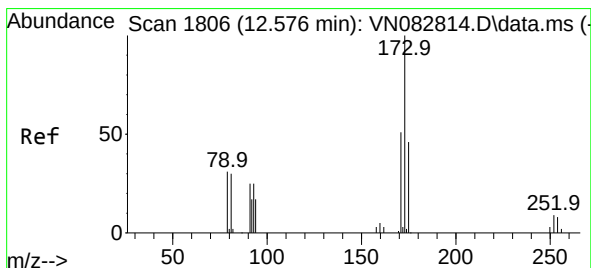
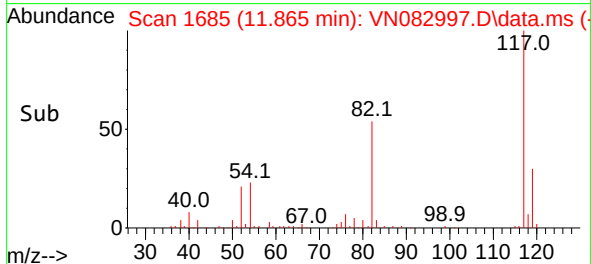
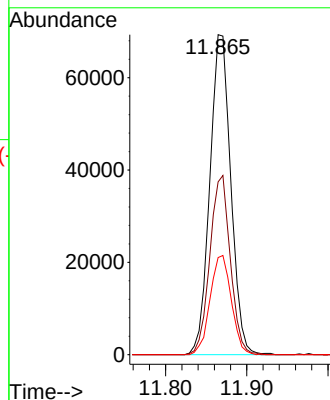
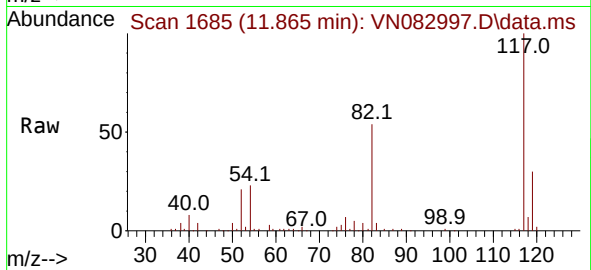




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

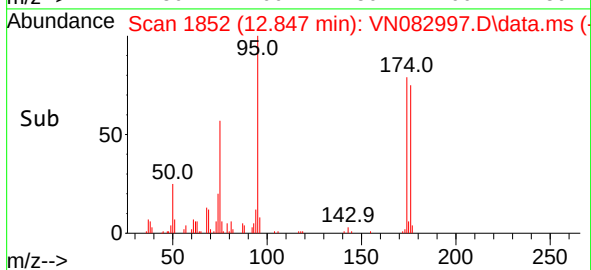
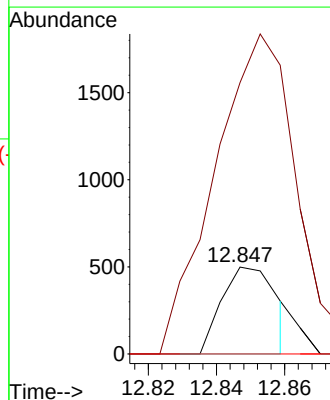
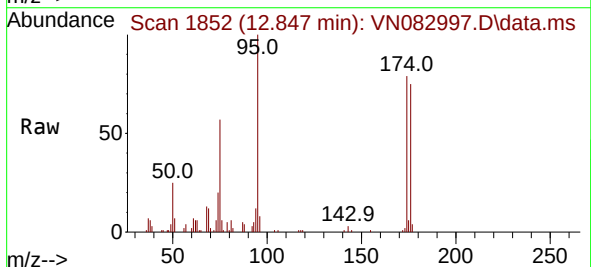
Instrument :
MSVOA_N
ClientSampleId :

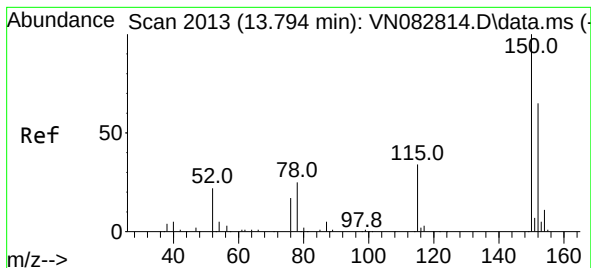
Tgt Ion:117 Resp: 124487
Ion Ratio Lower Upper
117 100
82 54.0 47.5 71.3
119 30.3 25.6 38.4



#71
Bromoform
Concen: 0.746 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

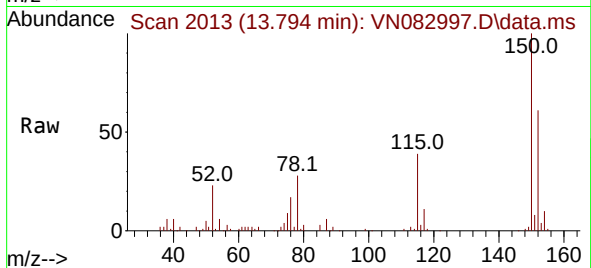
Tgt Ion:173 Resp: 557
Ion Ratio Lower Upper
173 100
175 464.6 24.0 72.0#
254 0.0 0.0 0.0



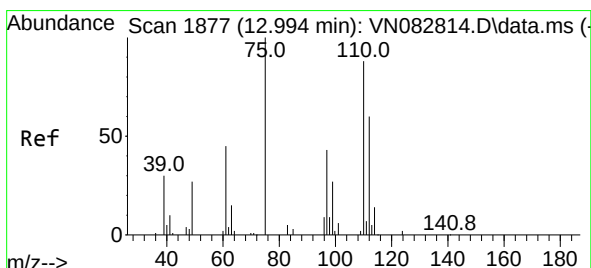
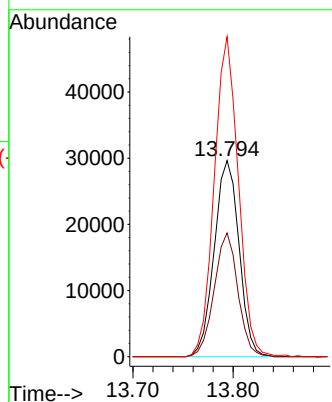
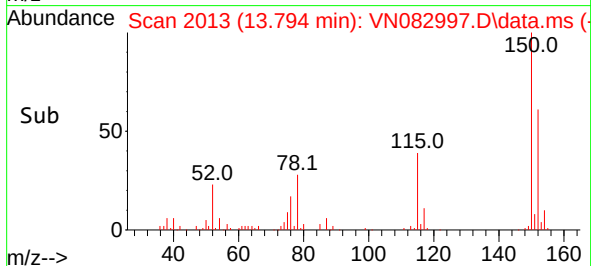


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Instrument :
MSVOA_N
ClientSampleId :

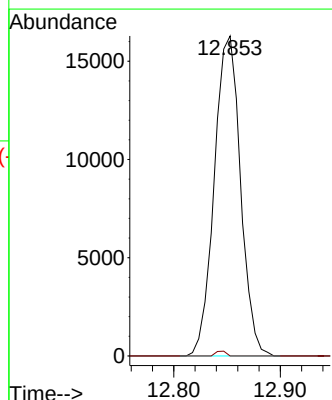
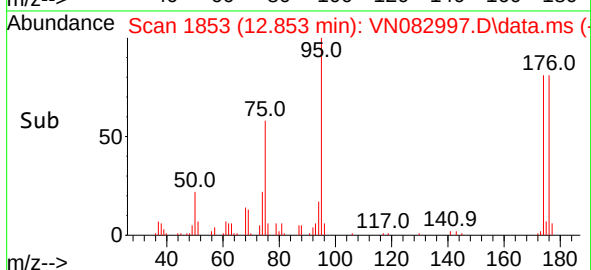
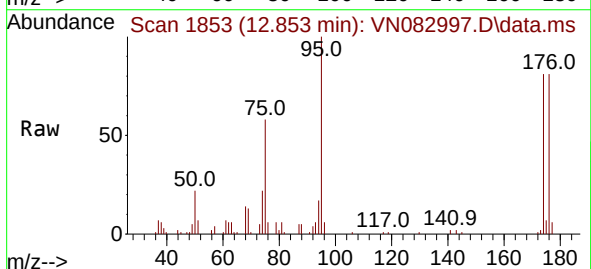


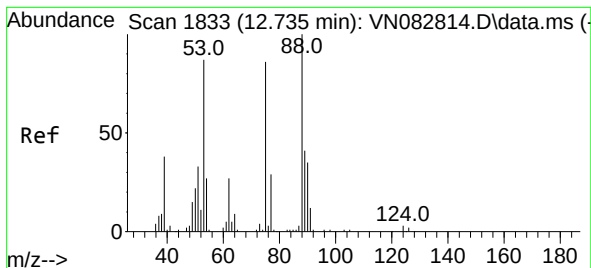
Tgt Ion:152 Resp: 50770
Ion Ratio Lower Upper
152 100
115 60.3 30.6 91.6
150 158.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 31.799 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Tgt Ion: 75 Resp: 27834
Ion Ratio Lower Upper
75 100
77 0.6 110.9 332.6#

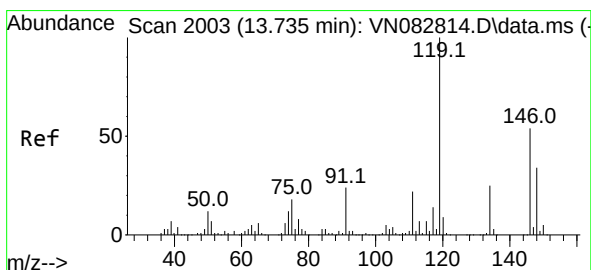
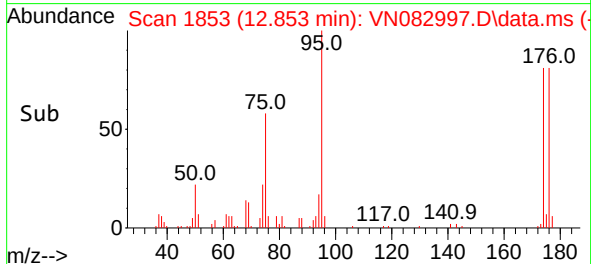
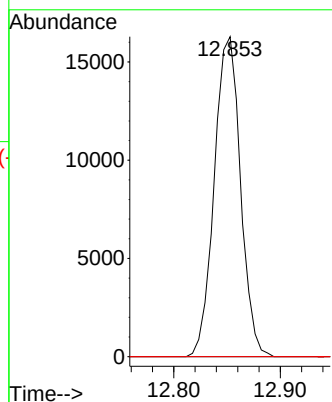
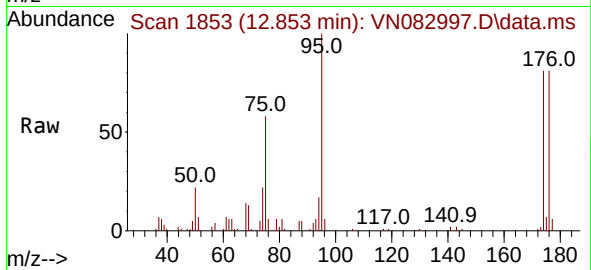




#81
trans-1,4-Dichloro-2-butene
Concen: 62.540 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

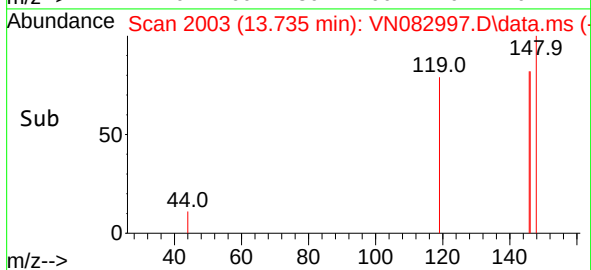
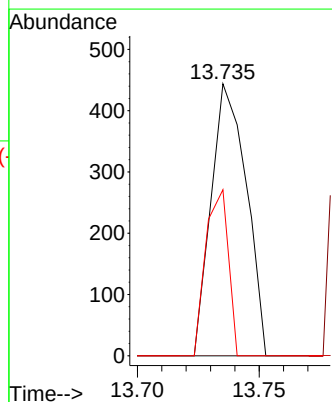
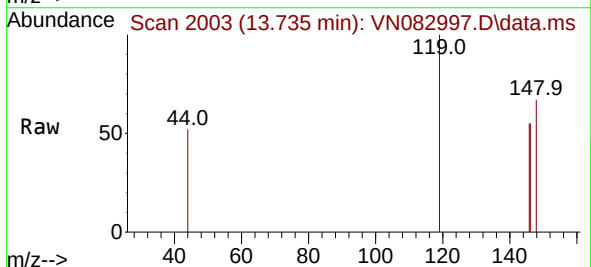
Instrument :
MSVOA_N
ClientSampleId :

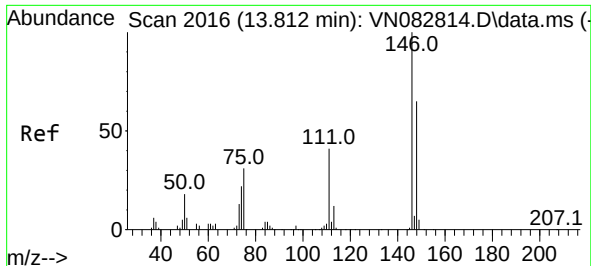
Tgt Ion: 75 Resp: 27834
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#87
1,3-Dichlorobenzene
Concen: 0.259 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Tgt Ion:146 Resp: 445
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.9#
148 39.1 31.8 95.3

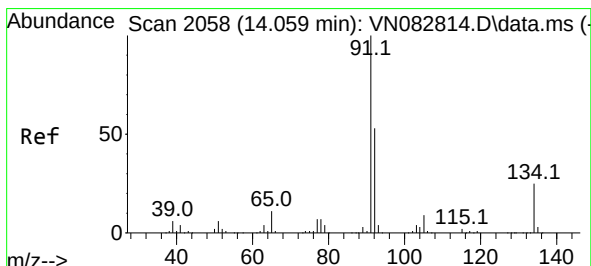
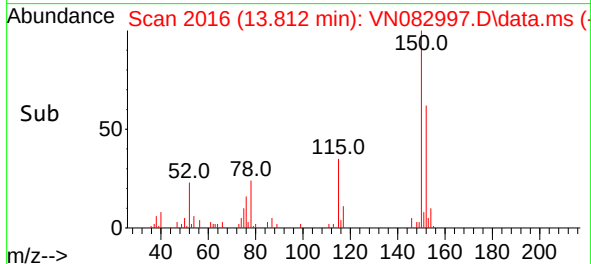
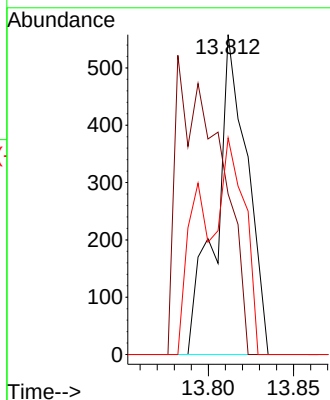
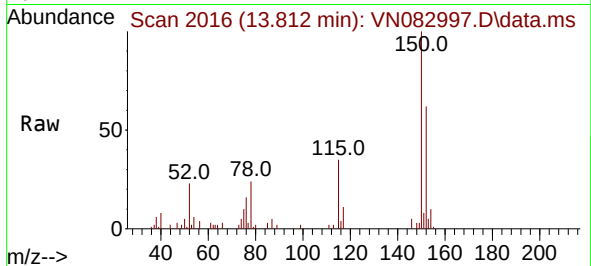




#88
1,4-Dichlorobenzene
Concen: 0.401 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.001 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

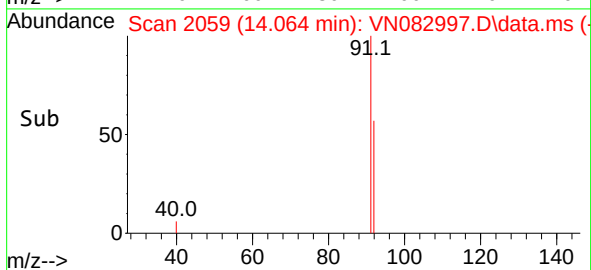
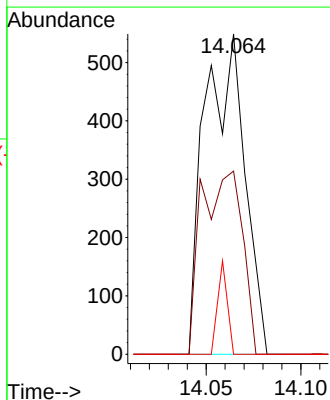
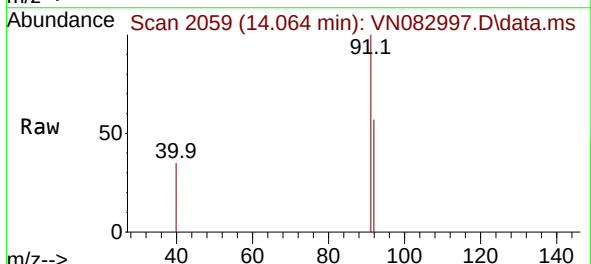
Instrument :
MSVOA_N
ClientSampleId :

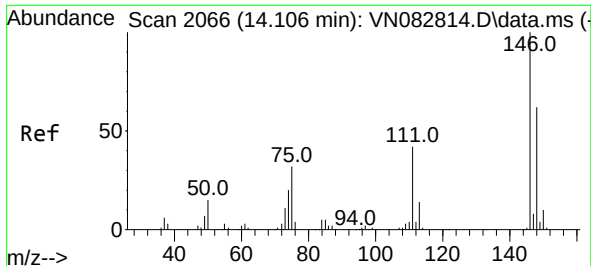
Tgt Ion:146 Resp: 713
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 56.4 32.2 96.6



#89
n-Butylbenzene
Concen: 0.315 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

Tgt Ion: 91 Resp: 804
Ion Ratio Lower Upper
91 100
92 58.3 26.1 78.3
134 7.0 12.1 36.3#





#91

1,2-Dichlorobenzene

Concen: 0.228 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.006 min

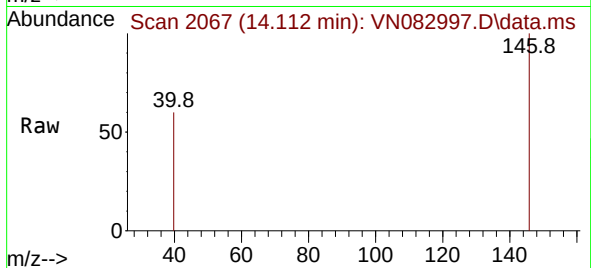
Lab File: VN082997.D

Acq: 22 Jul 2024 11:39

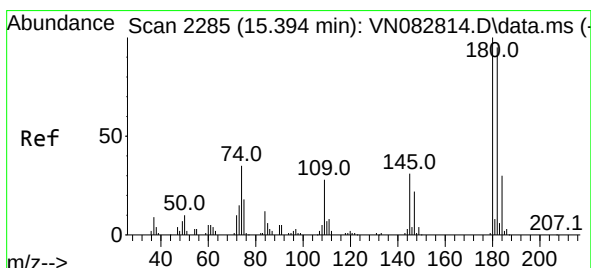
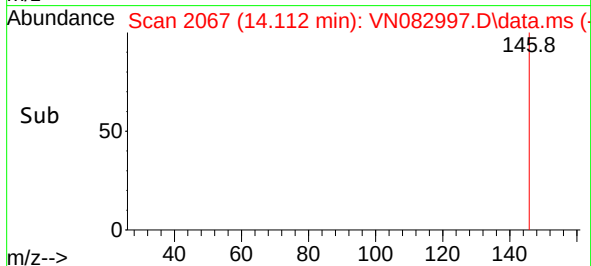
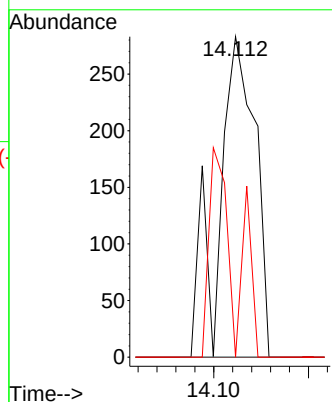
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146	Resp:	380
Ion Ratio	Lower	Upper
146	100	
111	0.0	21.4 64.2#
148	45.5	32.1 96.5



#93

1,2,4-Trichlorobenzene

Concen: 0.663 ug/l

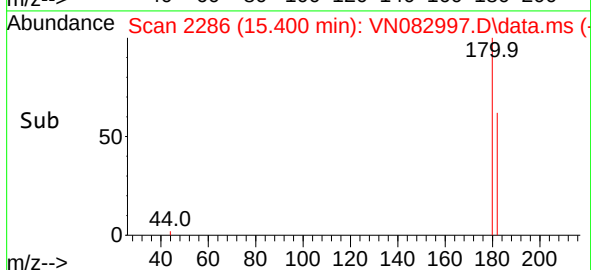
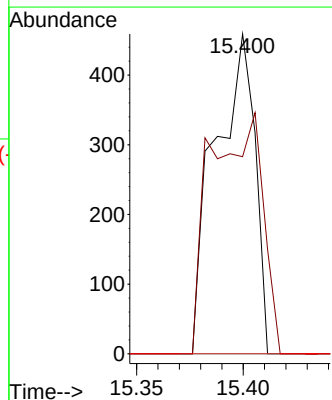
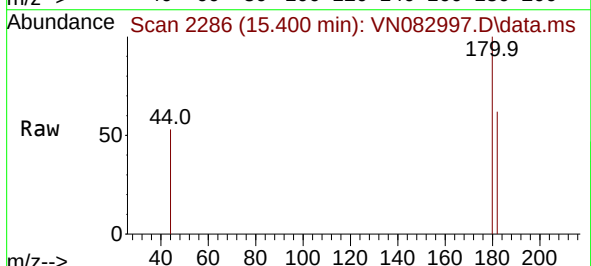
RT: 15.400 min Scan# 2286

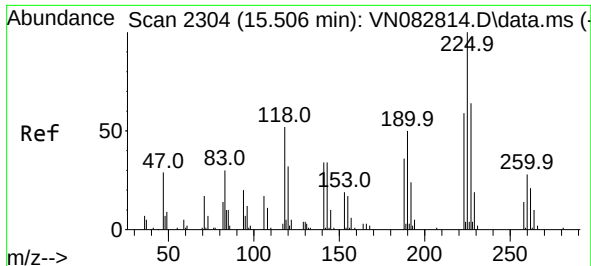
Delta R.T. 0.006 min

Lab File: VN082997.D

Acq: 22 Jul 2024 11:39

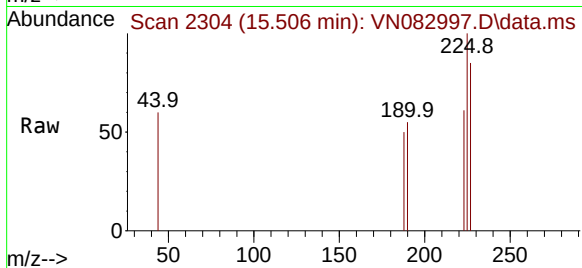
Tgt Ion:180	Resp:	596
Ion Ratio	Lower	Upper
180	100	
182	98.0	47.3 141.8
145	0.0	15.7 47.1#



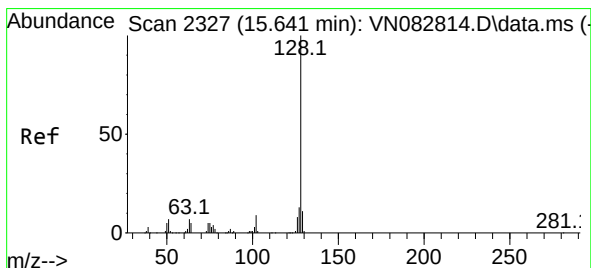
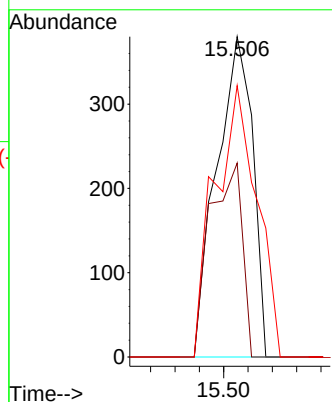
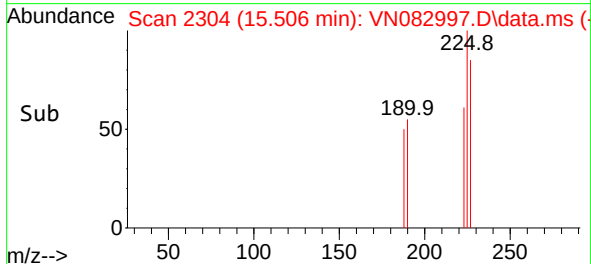


#94
Hexachlorobutadiene
Concen: 0.978 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.001 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39

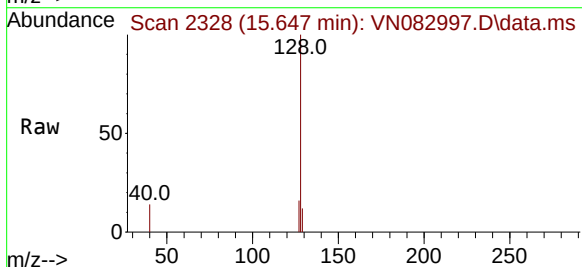
Instrument :
MSVOA_N
ClientSampleId :



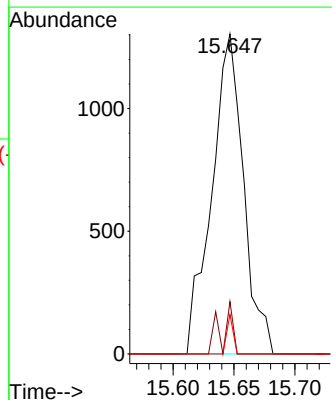
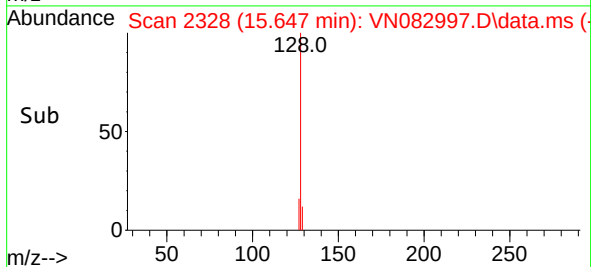
Tgt Ion:225 Resp: 390
Ion Ratio Lower Upper
225 100
223 54.1 31.9 95.7
227 98.7 32.5 97.5#

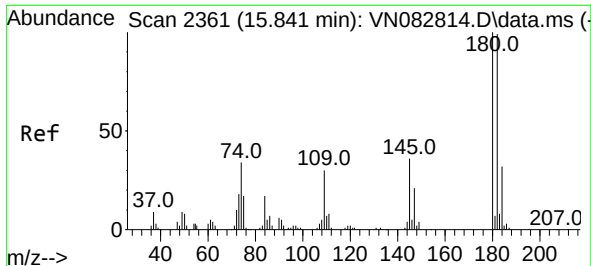


#95
Naphthalene
Concen: 0.769 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082997.D
Acq: 22 Jul 2024 11:39



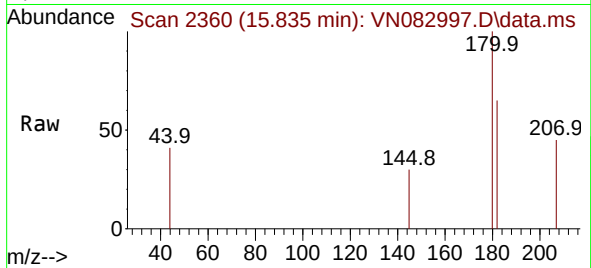
Tgt Ion:128 Resp: 2369
Ion Ratio Lower Upper
128 100
127 2.6 10.6 16.0#
129 2.4 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.852 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN082997.D
 Acq: 22 Jul 2024 11:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.9	48.9	146.8
145	6.9	16.8	50.4

