

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080397.D
 Acq On : 06 Dec 2023 19:31
 Operator : JC\MD
 Sample : 05650-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 01:06:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

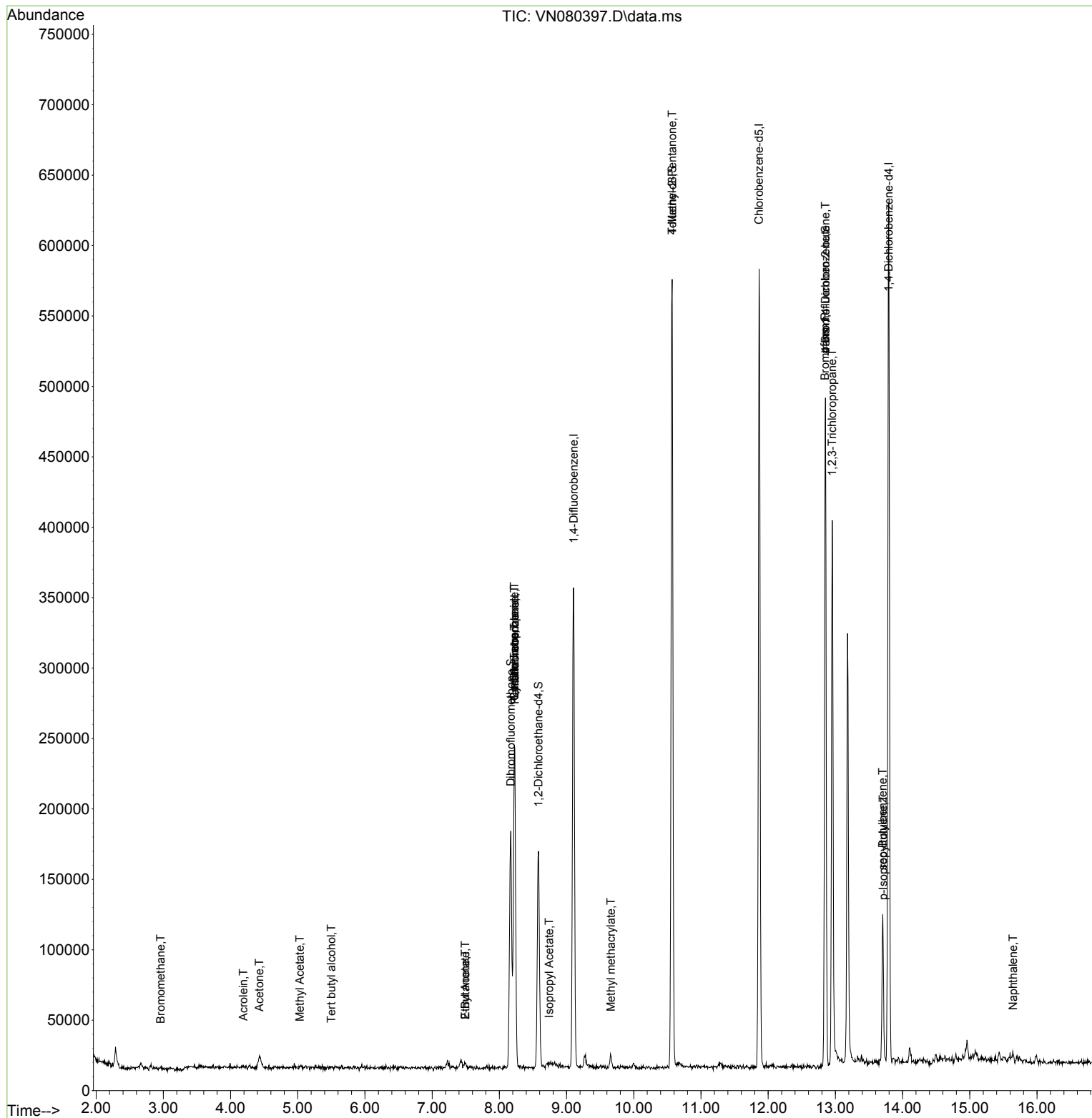
Internal Standards						
1) Pentafluorobenzene	8.229	168	162149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	320341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	144417	53.941	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.880%
35) Dibromofluoromethane	8.171	113	117255	54.338	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.680%
50) Toluene-d8	10.570	98	398706	51.256	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.520%
62) 4-Bromofluorobenzene	12.853	95	161167	54.853	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.700%
Target Compounds						
					Qvalue	
5) Bromomethane	2.959	94	297	0.228	ug/l #	4
6) Chloroethane	3.112	64	585	Below Cal	#	43
11) Tert butyl alcohol	5.500	59	259	0.880	ug/l #	72
13) Acrolein	4.188	56	666	2.556	ug/l	93
16) Acetone	4.430	43	16536	18.389	ug/l	95
18) Methyl Acetate	5.030	43	1534	0.531	ug/l #	60
25) 2-Butanone	7.494	43	5920	5.541	ug/l	88
31) Cyclohexane	8.223	56	3410	1.171	ug/l #	19
36) 1,1-Dichloropropene	8.223	75	13934	4.460	ug/l #	50
37) Ethyl Acetate	7.494	43	5920	2.732	ug/l #	63
38) Carbon Tetrachloride	8.223	117	18434	4.650	ug/l #	15
43) Isopropyl Acetate	8.741	43	2672	0.634	ug/l #	49
48) Methyl methacrylate	9.659	41	2375	1.093	ug/l #	34
51) 4-Methyl-2-Pentanone	10.570	43	1552	0.711	ug/l #	1
71) Bromoform	12.847	173	1043	0.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.953	75	8591	2.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91156	75.529	ug/l #	15
85) sec-Butylbenzene	13.705	105	2464	0.216	ug/l	98
86) p-Isopropyltoluene	13.711	119	2496	0.245	ug/l #	1
95) Naphthalene	15.647	128	6096	0.643	ug/l #	94

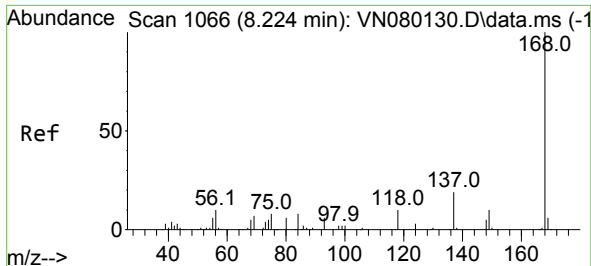
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
Data File : VN080397.D
Acq On : 06 Dec 2023 19:31
Operator : JC\MD
Sample : 05650-04 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 07 01:06:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

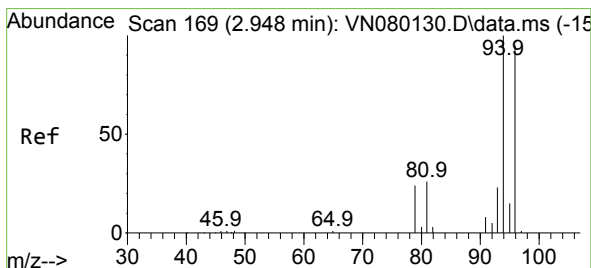
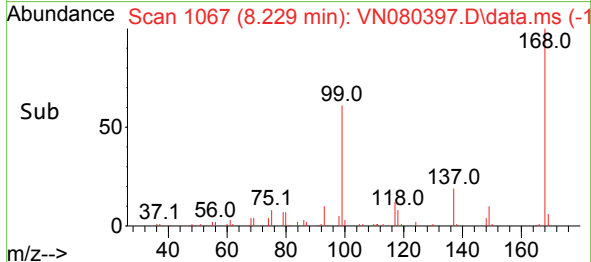
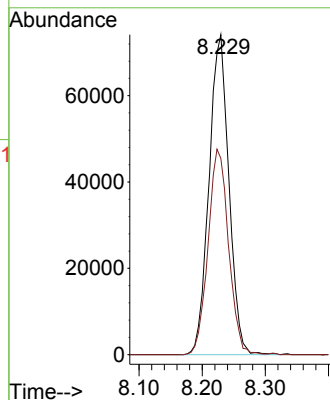
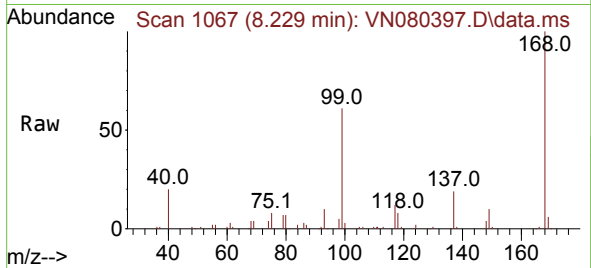




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

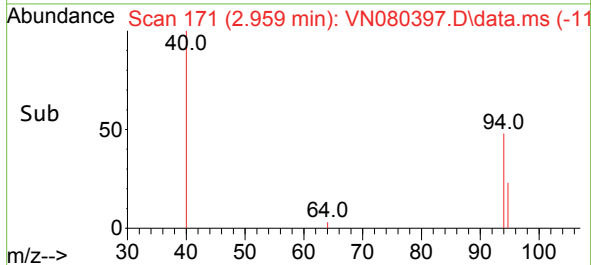
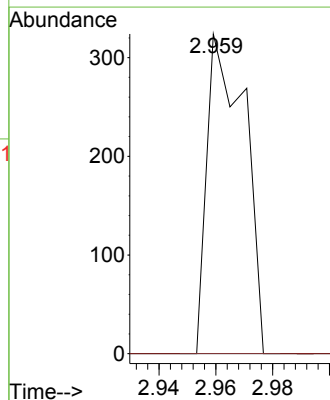
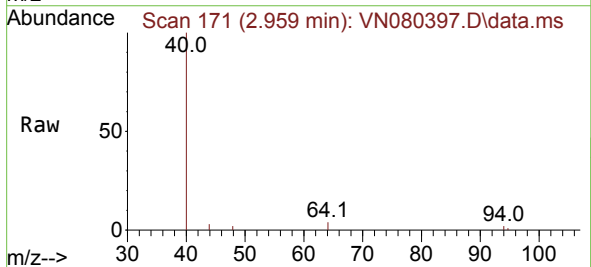
Instrument :
MSVOA_N
ClientSampleId :

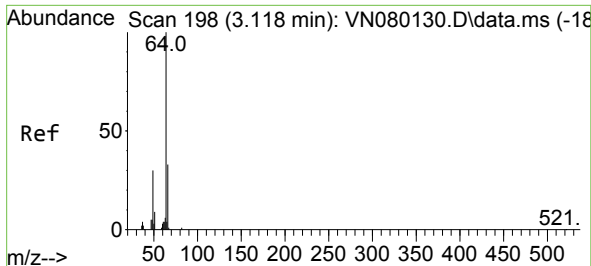
Tgt Ion:168 Resp: 162149
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#5
Bromomethane
Concen: 0.228 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.011 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Tgt Ion: 94 Resp: 297
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#

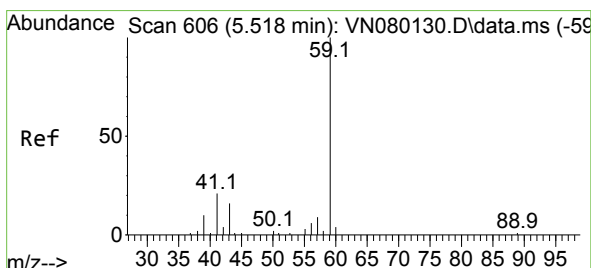
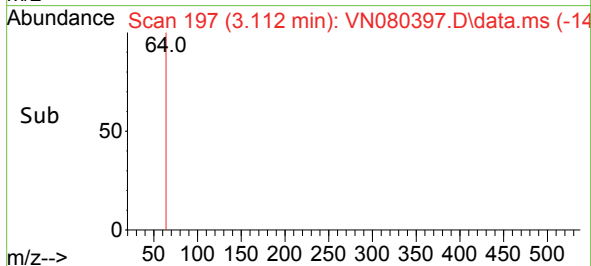
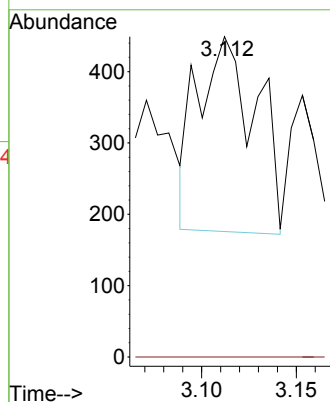
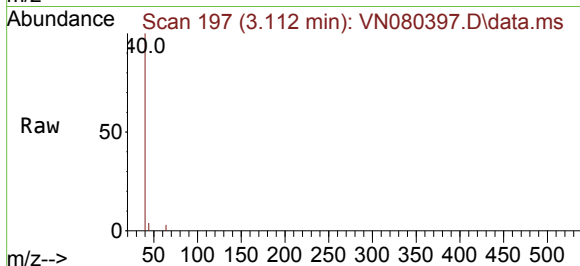




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

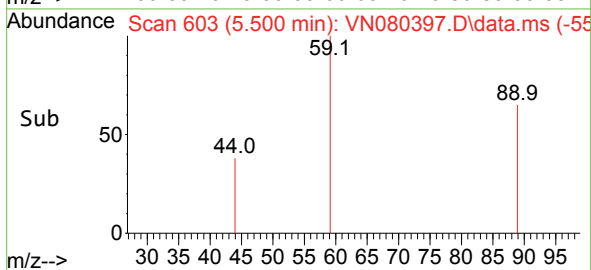
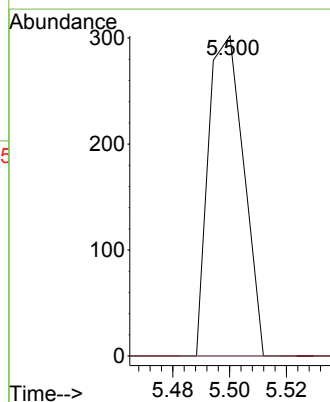
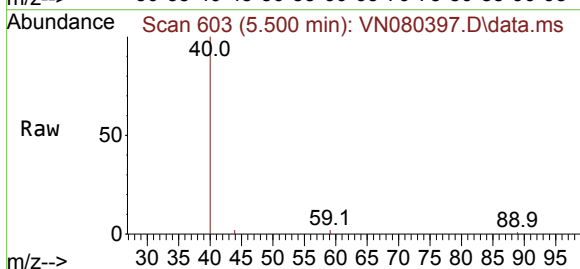
Instrument :
MSVOA_N
ClientSampleId :

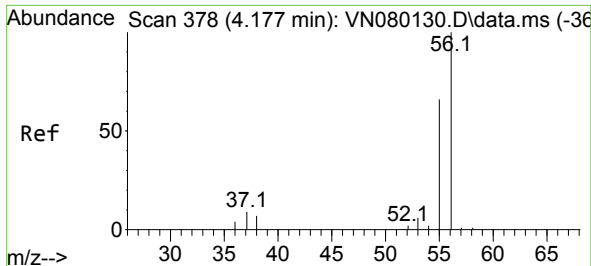
Tgt Ion: 64 Resp: 585
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.880 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.018 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Tgt Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 2.556 ug/l

RT: 4.188 min Scan# 380

Delta R.T. 0.011 min

Lab File: VN080397.D

Acq: 06 Dec 2023 19:31

Instrument :

MSVOA_N

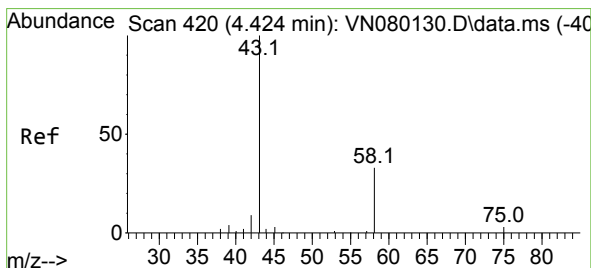
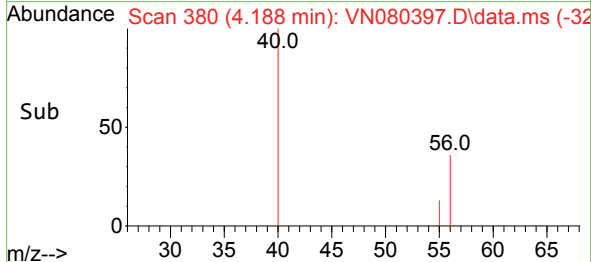
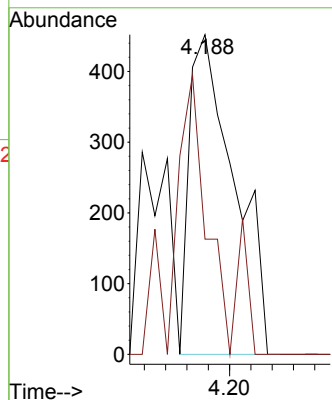
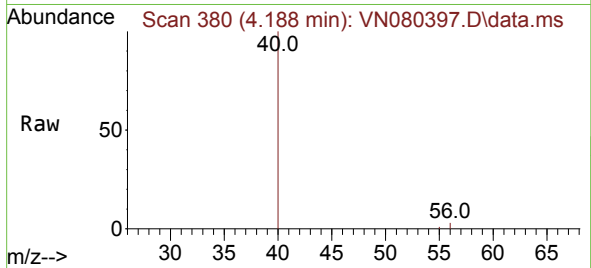
ClientSampleId :

Tgt Ion: 56 Resp: 666

Ion Ratio Lower Upper

56 100

55 62.5 54.5 81.7



#16

Acetone

Concen: 18.389 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN080397.D

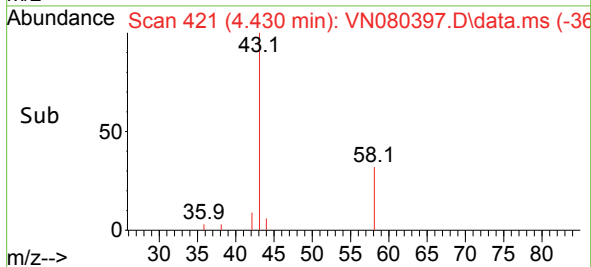
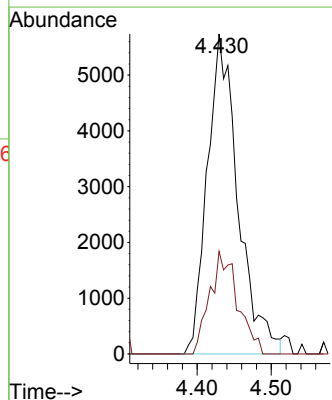
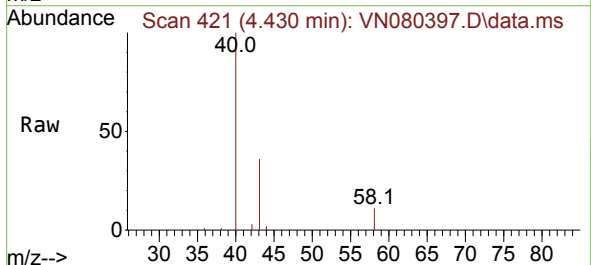
Acq: 06 Dec 2023 19:31

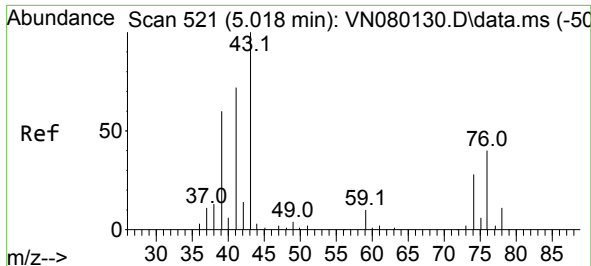
Tgt Ion: 43 Resp: 16536

Ion Ratio Lower Upper

43 100

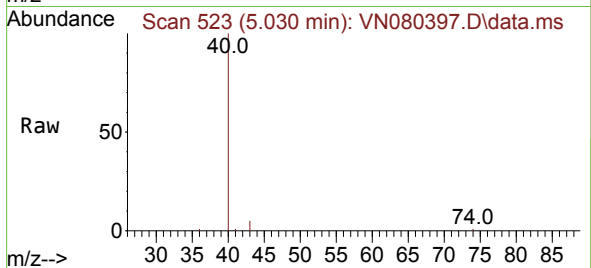
58 32.1 28.0 42.0



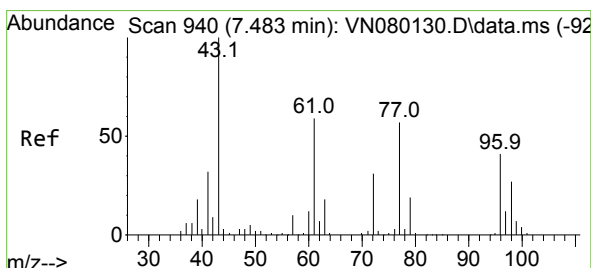
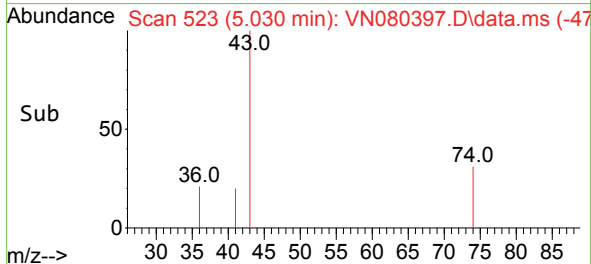
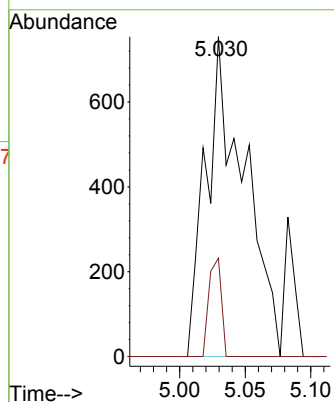


#18
Methyl Acetate
Concen: 0.531 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

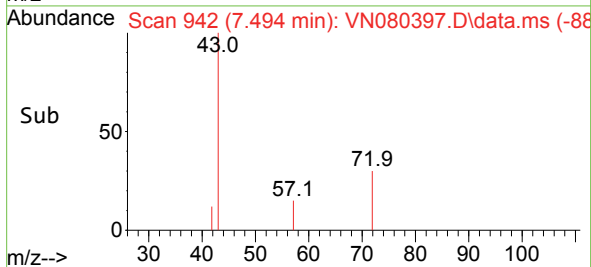
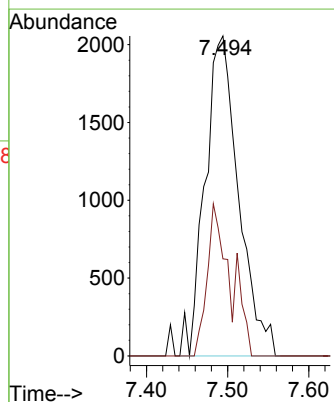
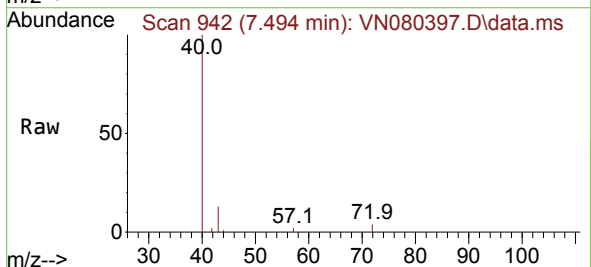


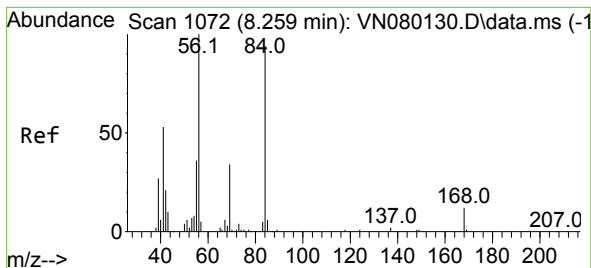
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
74 10.0 26.2 39.4#



#25
2-Butanone
Concen: 5.541 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.011 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

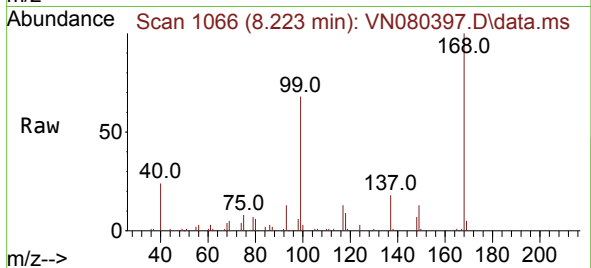
Tgt Ion: 43 Resp: 5920
Ion Ratio Lower Upper
43 100
72 30.4 30.2 45.2



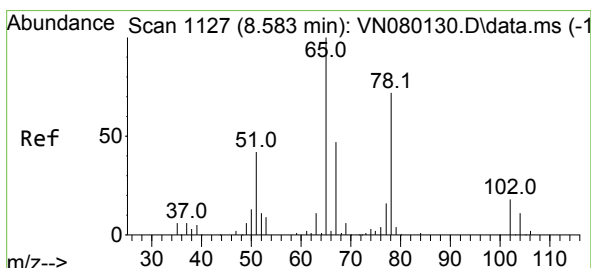
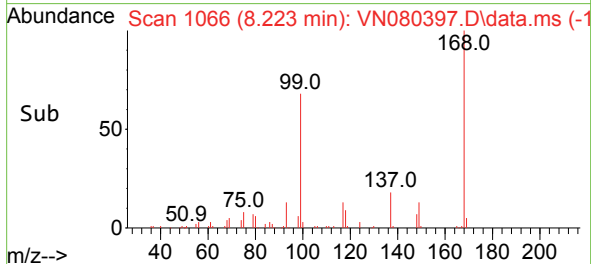
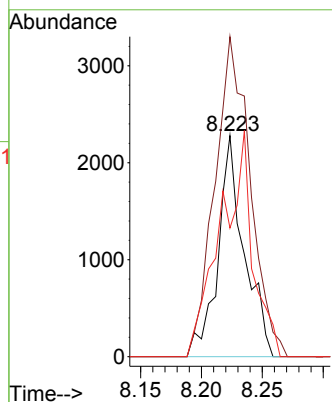


#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

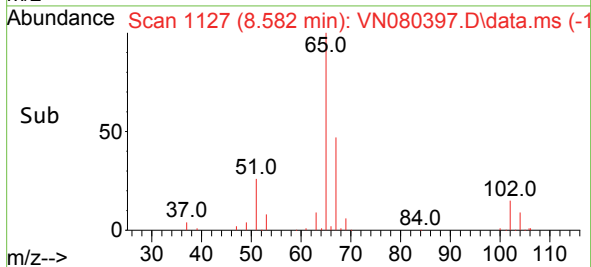
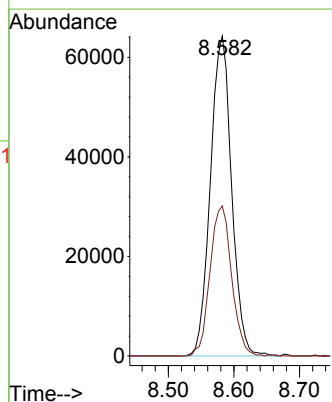
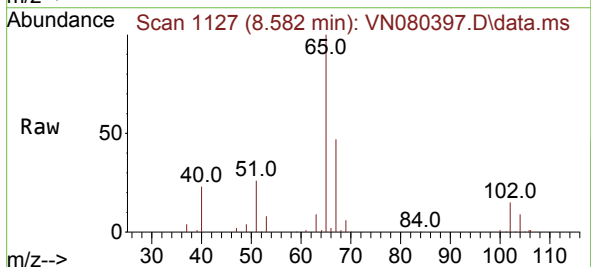


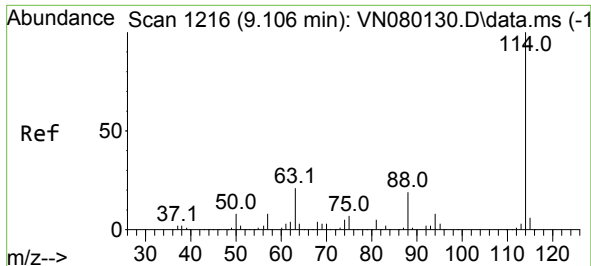
Tgt Ion: 56 Resp: 3410
Ion Ratio Lower Upper
56 100
69 144.7 26.8 40.2#
84 58.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.941 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Tgt Ion: 65 Resp: 144417
Ion Ratio Lower Upper
65 100
67 47.7 0.0 106.6

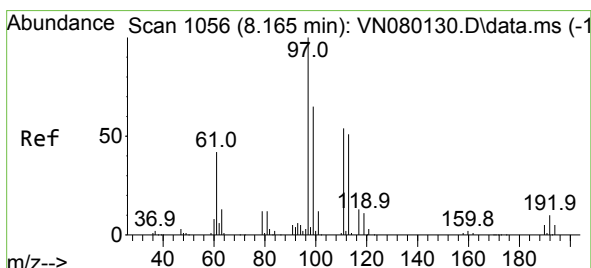
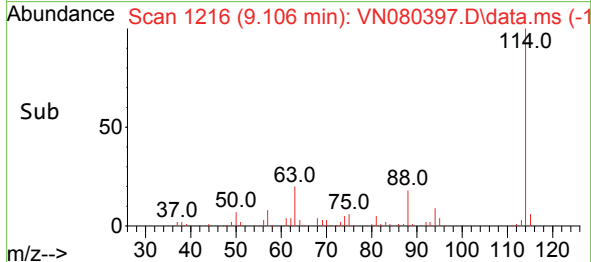
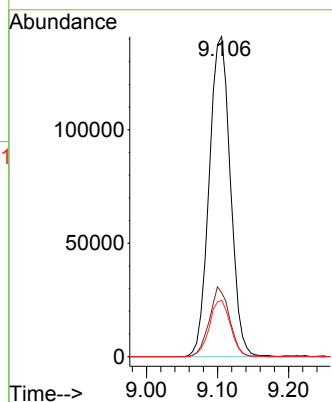
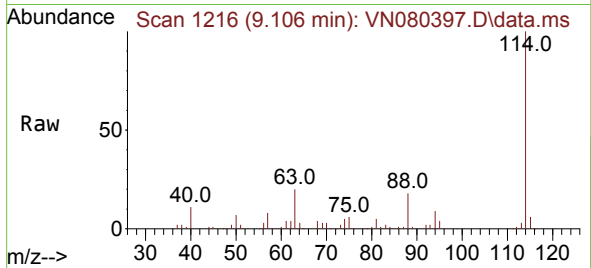




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

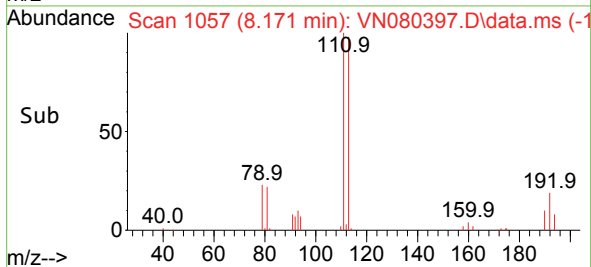
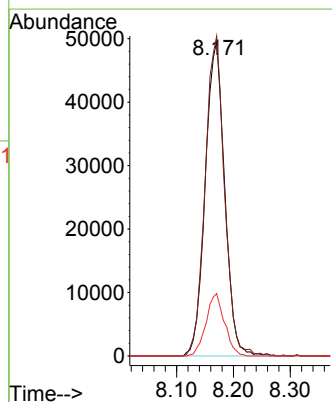
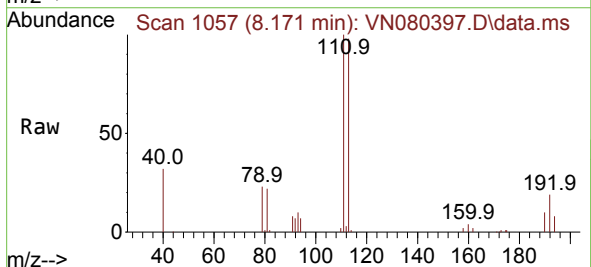
Instrument :
MSVOA_N
ClientSampleId :

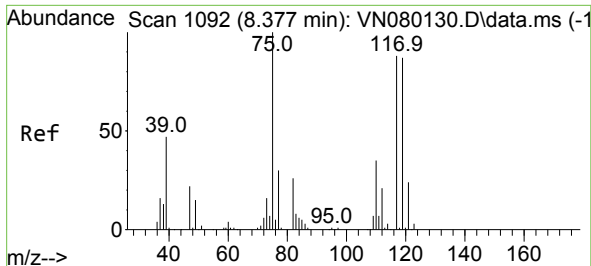
Tgt Ion:114 Resp: 292448
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 17.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.338 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Tgt Ion:113 Resp: 117255
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 19.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.460 ug/l

RT: 8.223 min Scan# 1

Delta R.T. -0.153 min

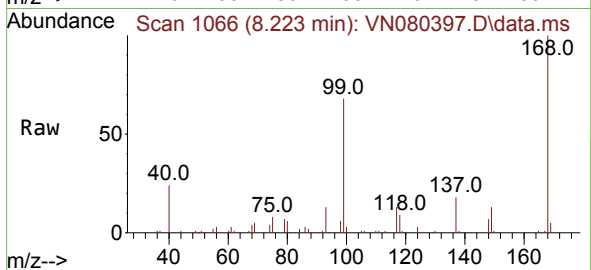
Lab File: VN080397.D

Acq: 06 Dec 2023 19:31

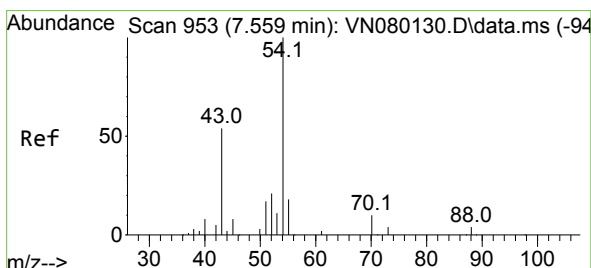
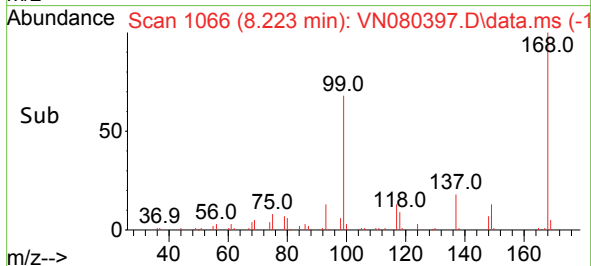
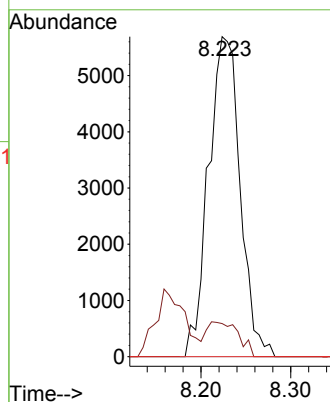
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13934
Ion	Ratio	Lower	Upper
75	100		
110	11.0	19.1	57.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 2.732 ug/l

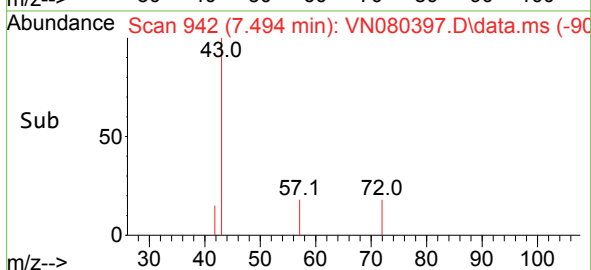
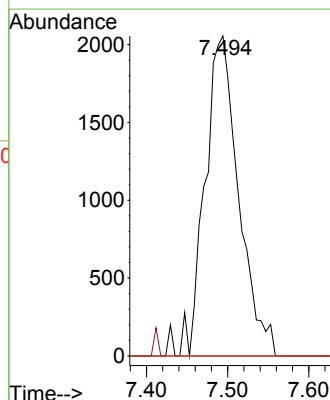
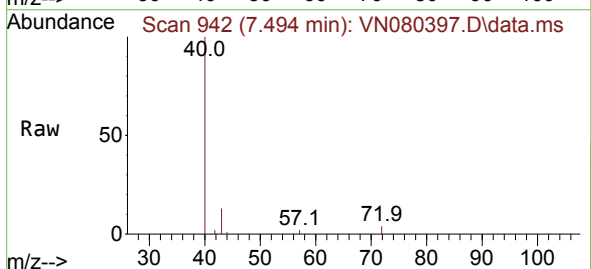
RT: 7.494 min Scan# 942

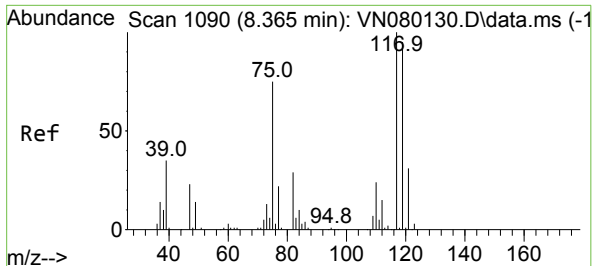
Delta R.T. -0.065 min

Lab File: VN080397.D

Acq: 06 Dec 2023 19:31

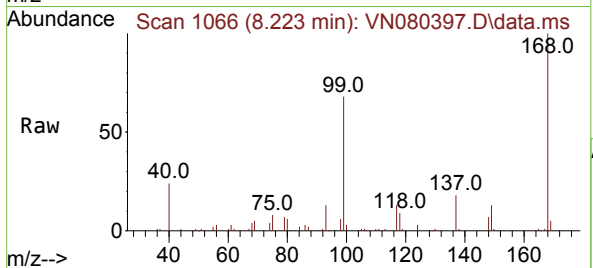
Tgt Ion:	43	Resp:	5920
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.2	19.8#
70	0.0	11.3	16.9#



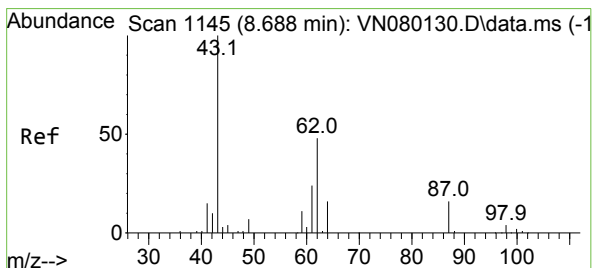
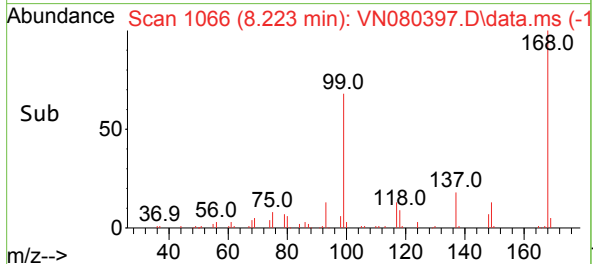
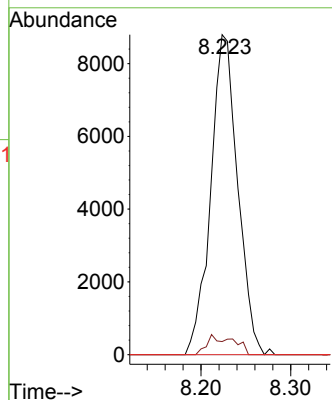


#38
Carbon Tetrachloride
Concen: 4.650 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.142 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

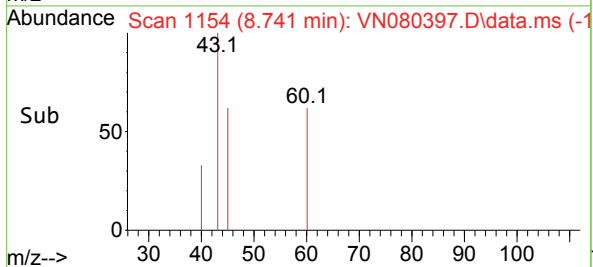
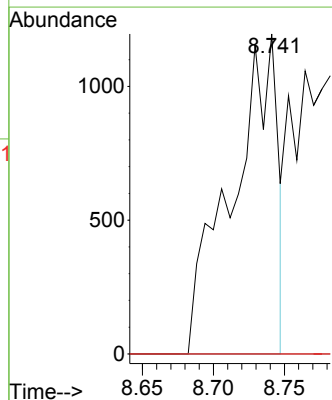
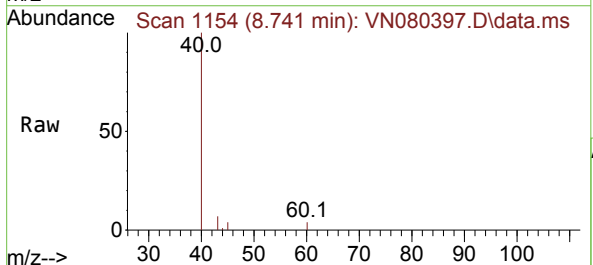


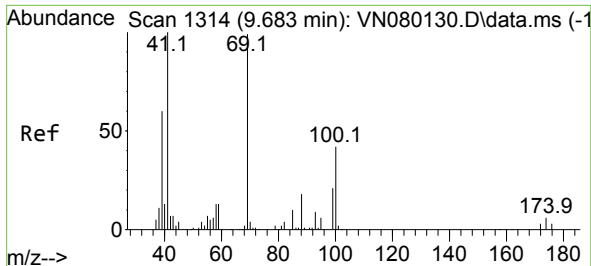
Tgt Ion:117 Resp: 18434
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.634 ug/l
RT: 8.741 min Scan# 1154
Delta R.T. 0.053 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Tgt Ion: 43 Resp: 2672
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.093 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.024 min

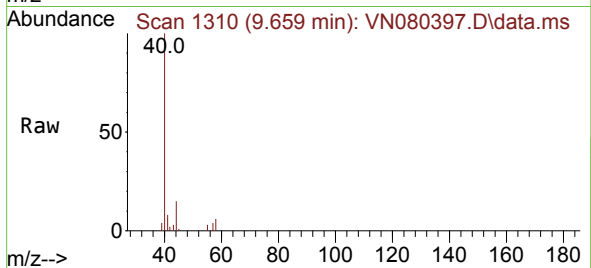
Lab File: VN080397.D

Acq: 06 Dec 2023 19:31

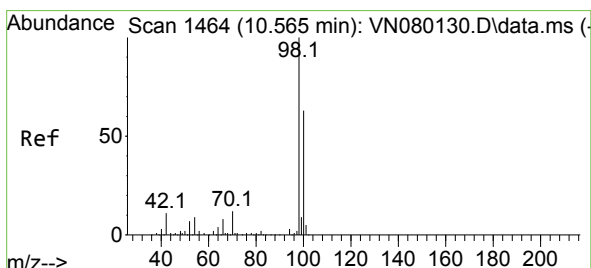
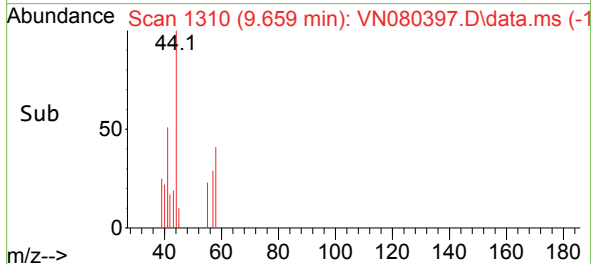
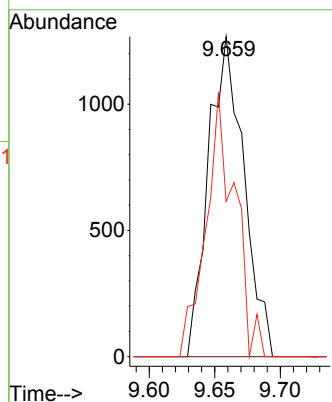
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	41	Resp:	2375
Ion	Ratio	Lower	Upper
41	100		
69	0.0	90.4	135.6#
39	68.0	54.6	81.8



#50

Toluene-d8

Concen: 51.256 ug/l

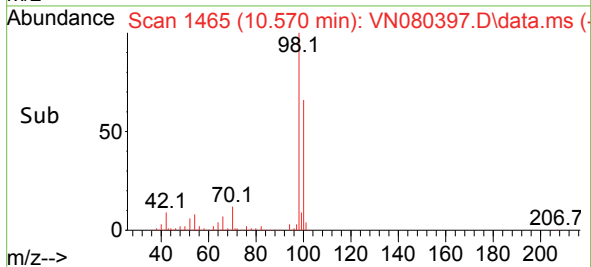
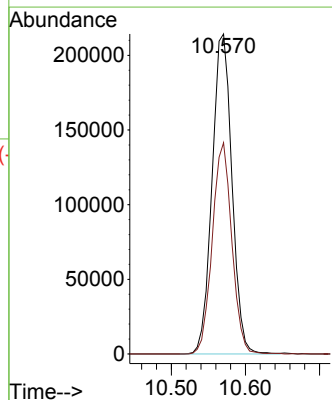
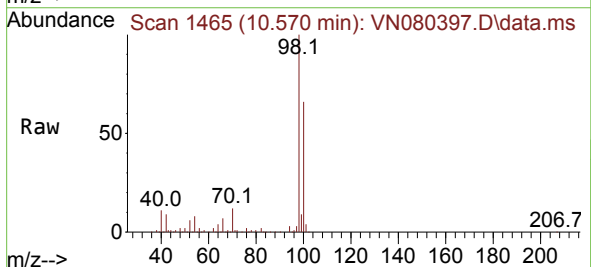
RT: 10.570 min Scan# 1465

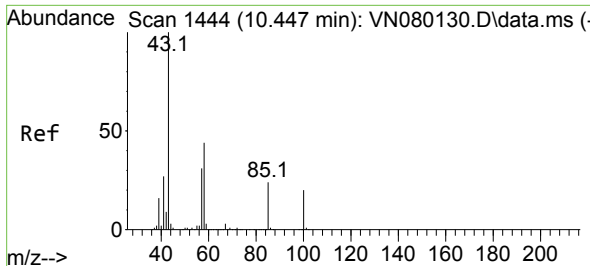
Delta R.T. 0.006 min

Lab File: VN080397.D

Acq: 06 Dec 2023 19:31

Tgt Ion:	98	Resp:	398706
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

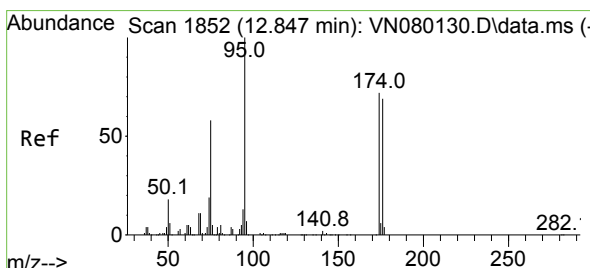
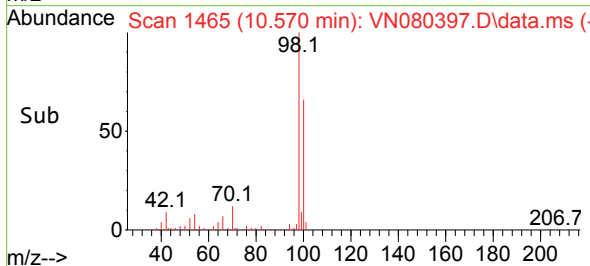
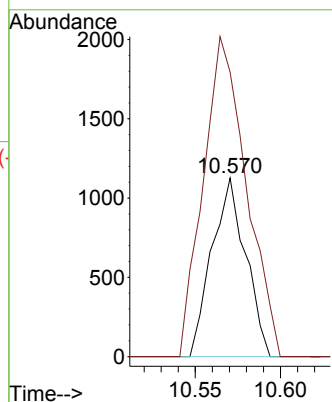
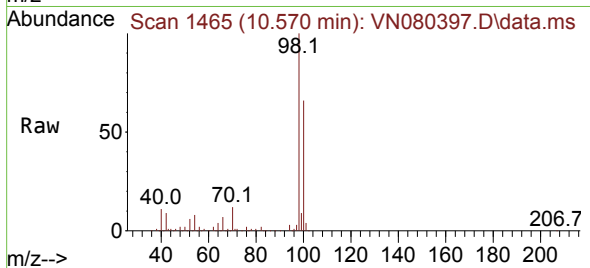




#51
4-Methyl-2-Pentanone
Concen: 0.711 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

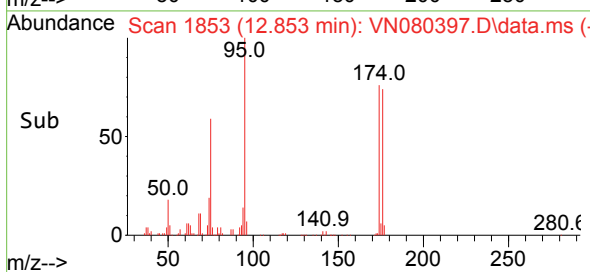
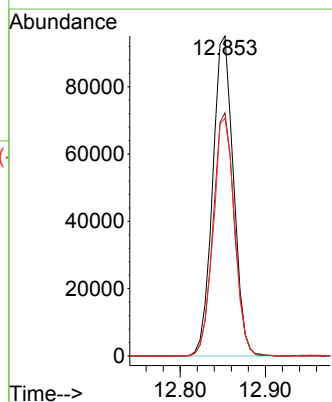
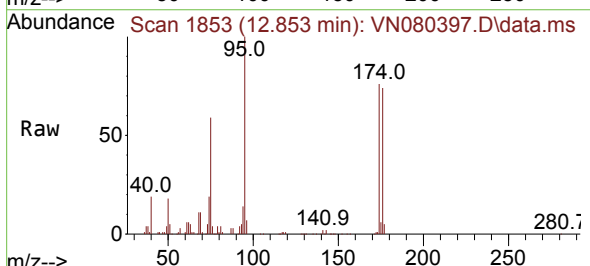
Instrument :
MSVOA_N
ClientSampleId :

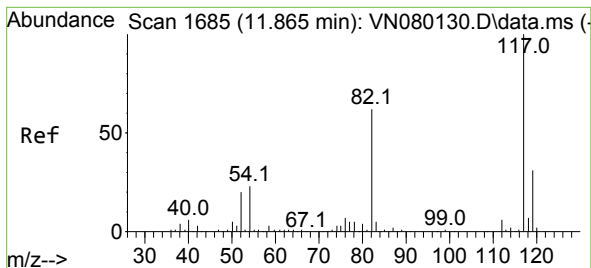
Tgt Ion: 43 Resp: 1552
Ion Ratio Lower Upper
43 100
58 227.6 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 54.853 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Tgt Ion: 95 Resp: 161167
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 76.0 0.0 135.8

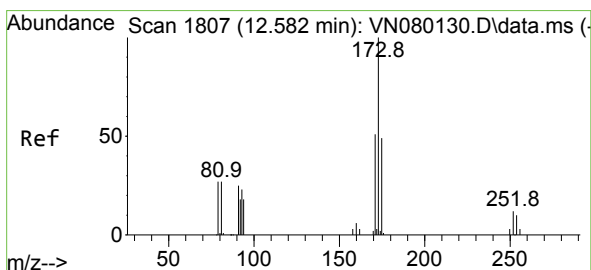
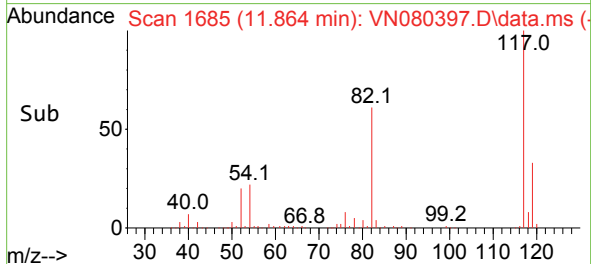
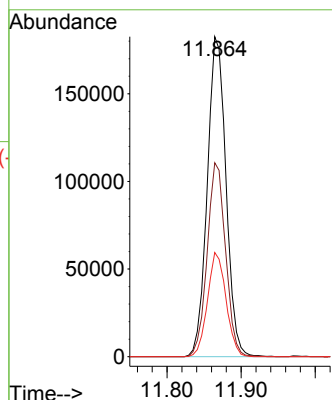
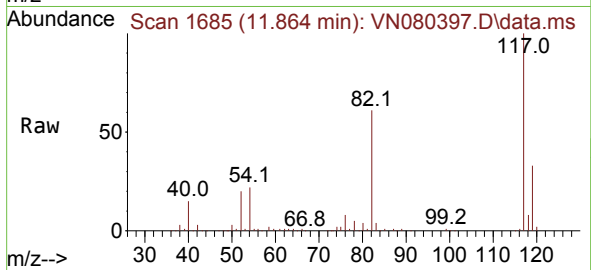




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

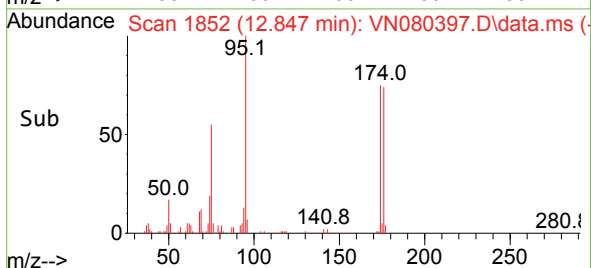
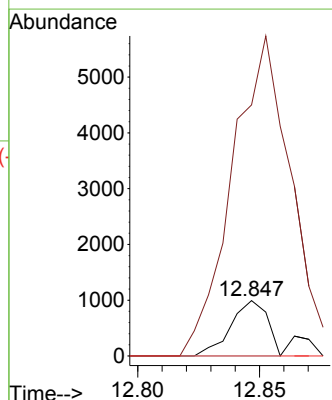
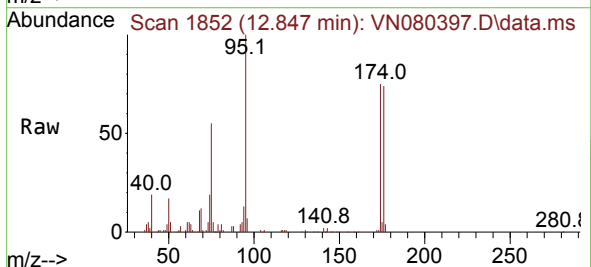
Instrument :
MSVOA_N
ClientSampleId :

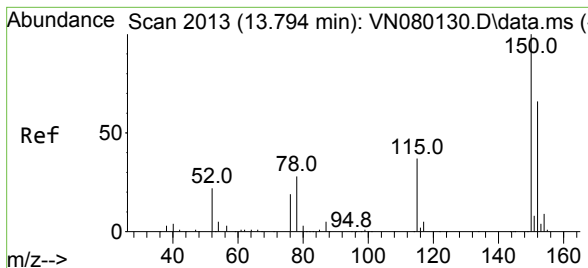
Tgt Ion:117 Resp: 320341
Ion Ratio Lower Upper
117 100
82 60.6 44.0 66.0
119 32.5 25.6 38.4



#71
Bromoform
Concen: 0.499 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Tgt Ion:173 Resp: 1043
Ion Ratio Lower Upper
173 100
175 750.3 24.3 73.0#
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: VN080397.D

Acq: 06 Dec 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

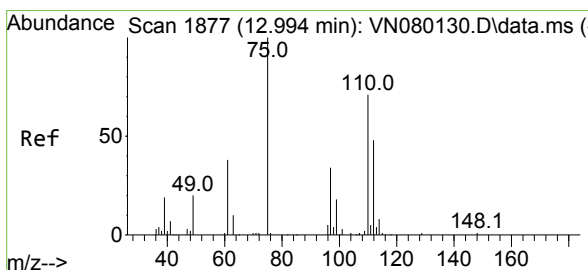
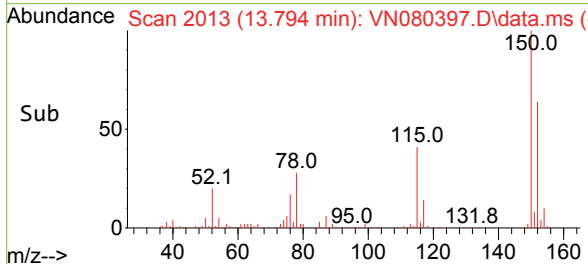
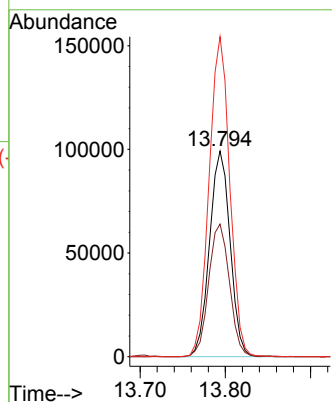
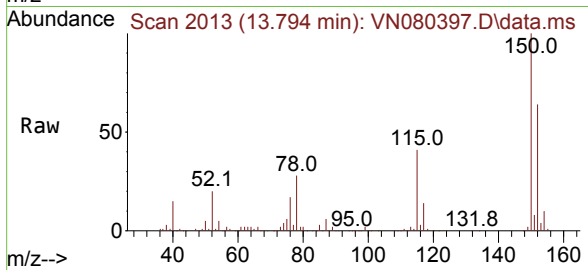
Tgt Ion:152 Resp: 166421

Ion Ratio Lower Upper

152 100

115 65.2 32.3 96.8

150 155.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 2.107 ug/l

RT: 12.953 min Scan# 1870

Delta R.T. -0.042 min

Lab File: VN080397.D

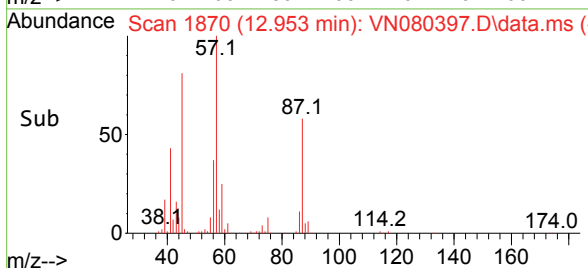
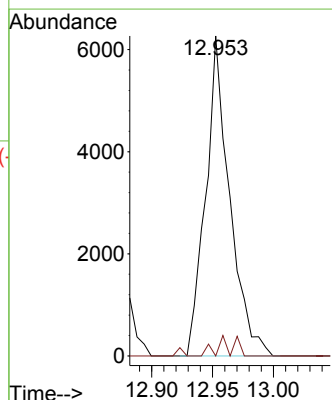
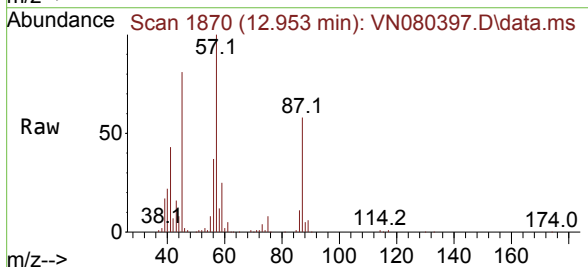
Acq: 06 Dec 2023 19:31

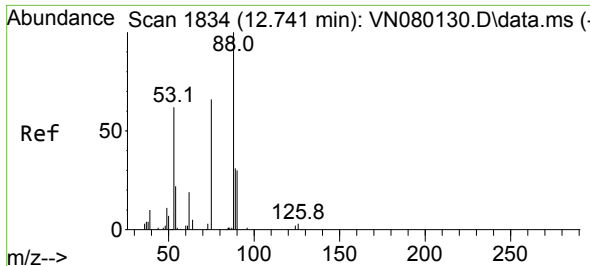
Tgt Ion: 75 Resp: 8591

Ion Ratio Lower Upper

75 100

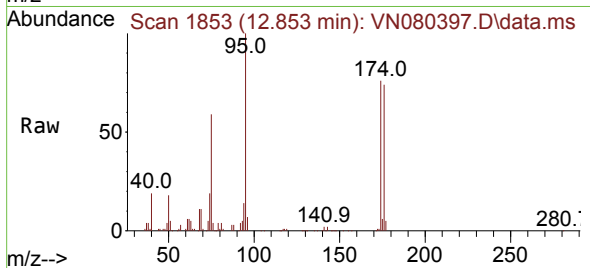
77 4.2 84.5 253.5#



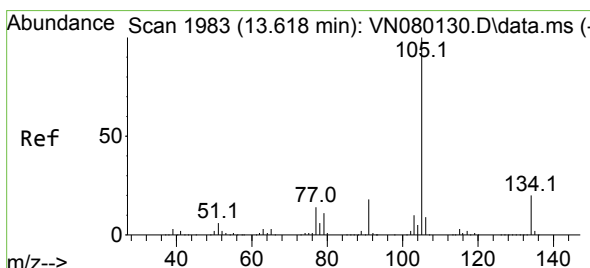
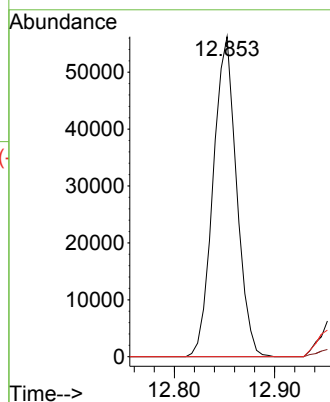
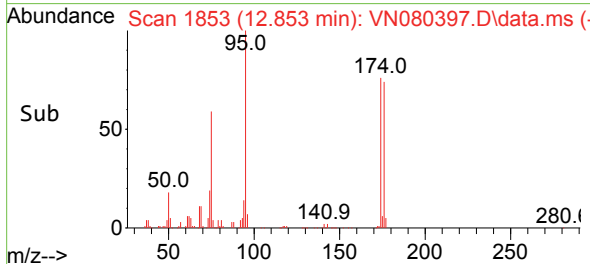


#81
trans-1,4-Dichloro-2-butene
Concen: 75.529 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

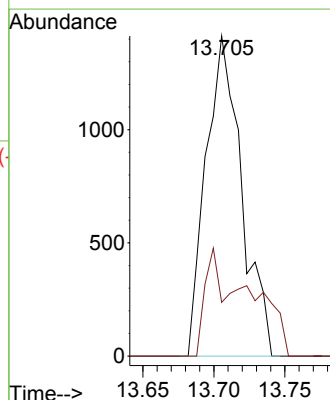
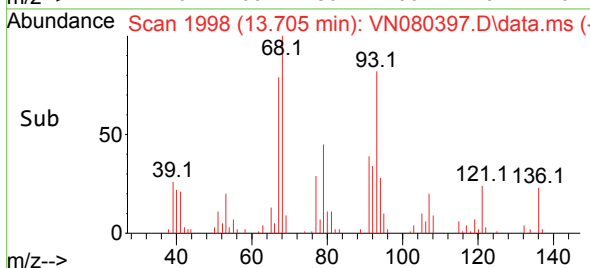
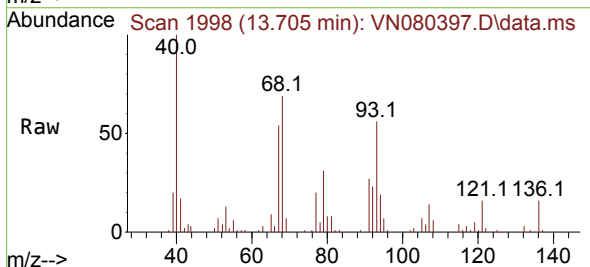


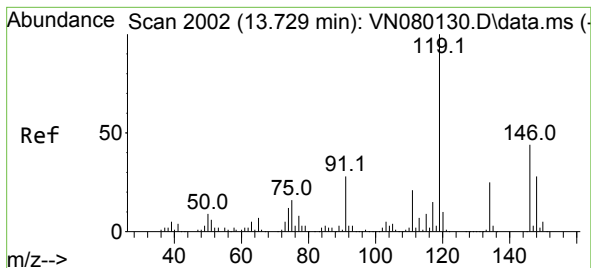
Tgt Ion: 75 Resp: 91156
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#85
sec-Butylbenzene
Concen: 0.216 ug/l
RT: 13.705 min Scan# 1998
Delta R.T. 0.088 min
Lab File: VN080397.D
Acq: 06 Dec 2023 19:31

Tgt Ion: 105 Resp: 2464
Ion Ratio Lower Upper
105 100
134 18.8 9.8 29.3





#86

p-Isopropyltoluene

Concen: 0.245 ug/l

RT: 13.711 min Scan# 1999

Delta R.T. -0.018 min

Lab File: VN080397.D

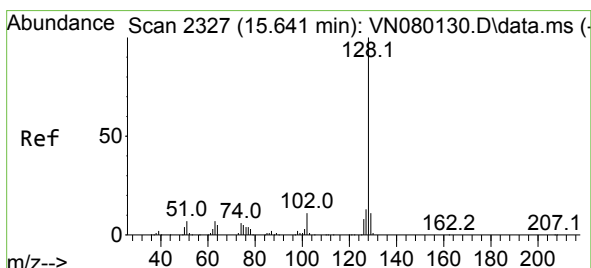
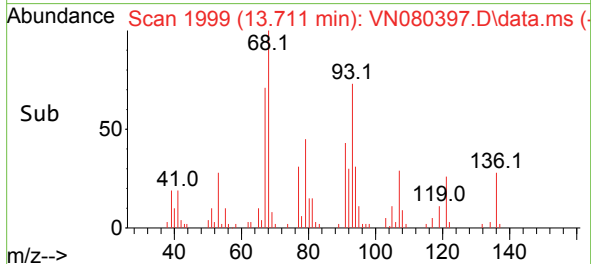
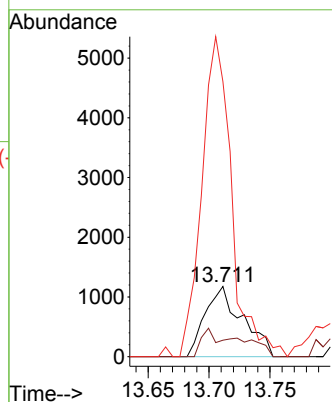
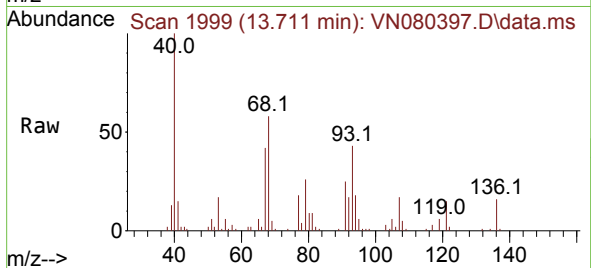
Acq: 06 Dec 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:119	Resp:	2496
Ion Ratio	Lower	Upper
119	100	
134	18.5	12.6 37.8
91	366.9	12.4 37.2#



#95

Naphthalene

Concen: 0.643 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN080397.D

Acq: 06 Dec 2023 19:31

Tgt Ion:128	Resp:	6096
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.0 15.0
129	14.9	8.7 13.1#

