

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079404.D
 Acq On : 04 Oct 2023 15:35
 Operator : JC\MD
 Sample : 04689-01 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:22:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	146688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	272273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	238681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	66427	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	104970	53.011	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.020%
35) Dibromofluoromethane	8.171	113	81839	45.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.380%
50) Toluene-d8	10.571	98	251406	37.805	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	75.600%#
62) 4-Bromofluorobenzene	12.853	95	81885	38.602	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	77.200%#

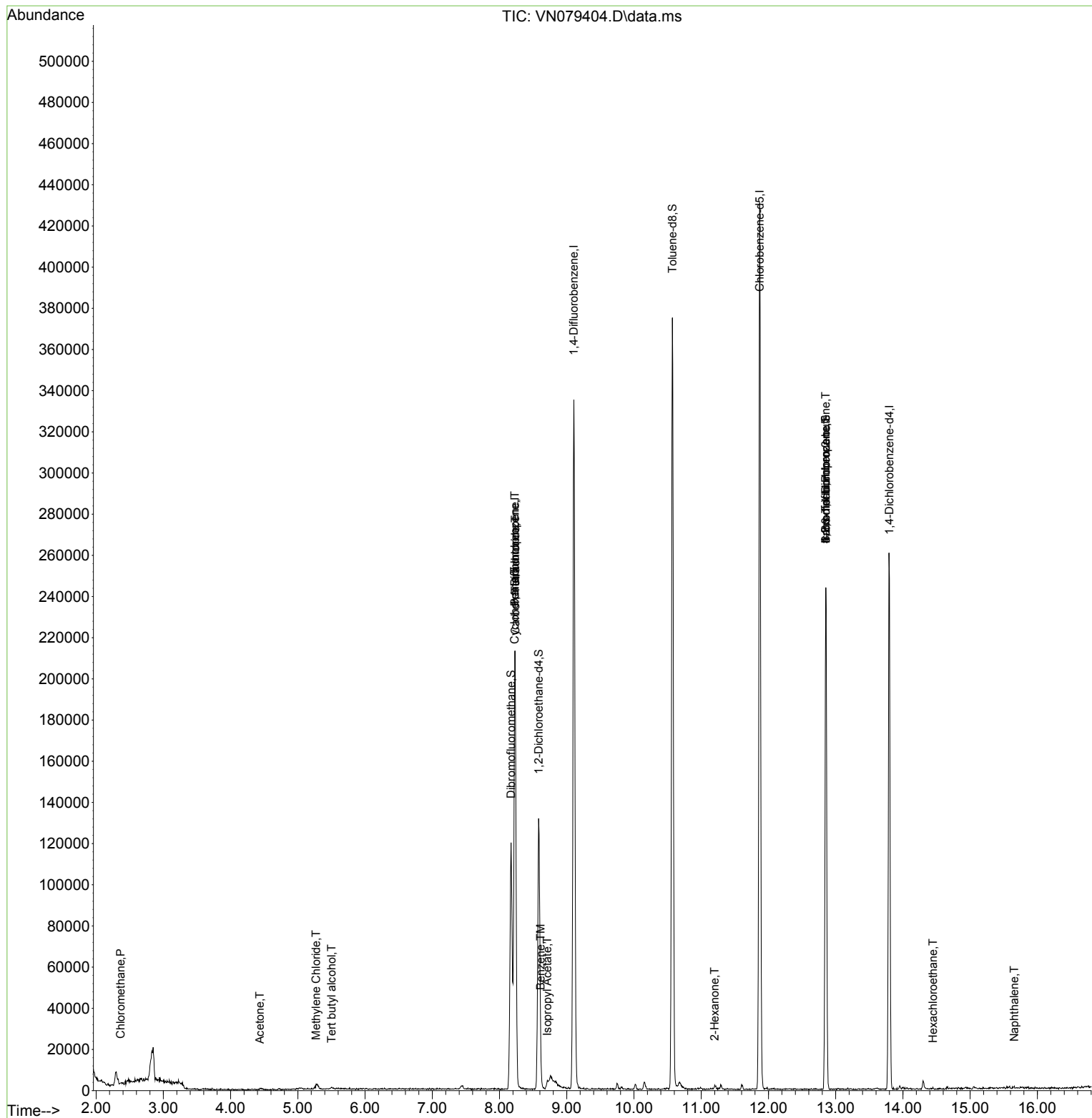
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	389	0.204	ug/l	# 42
6) Chloroethane	3.089	64	232	Below Cal		# 43
11) Tert butyl alcohol	5.500	59	502	1.373	ug/l	# 72
16) Acetone	4.436	43	388	0.461	ug/l	# 78
20) Methylene Chloride	5.271	84	1914	0.935	ug/l	# 82
31) Cyclohexane	8.224	56	4234	1.464	ug/l	# 44
36) 1,1-Dichloropropene	8.230	75	14020	5.022	ug/l	# 46
38) Carbon Tetrachloride	8.235	117	15787	5.465	ug/l	# 15
40) Benzene	8.612	78	2357	0.276	ug/l	# 52
43) Isopropyl Acetate	8.712	43	2071	0.456	ug/l	# 49
58) 2-Chloroethyl Vinyl ether	10.159	63	325	Below Cal		# 42
59) 2-Hexanone	11.200	43	980	0.513	ug/l	# 19
71) Bromoform	12.853	173	665	0.444	ug/l	# 28
76) 1,2,3-Trichloropropane	12.853	75	45054	25.166	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	45054	69.186	ug/l	# 15
90) Hexachloroethane	14.447	117	551	0.592	ug/l	# 21
95) Naphthalene	15.658	128	718	0.271	ug/l	# 70

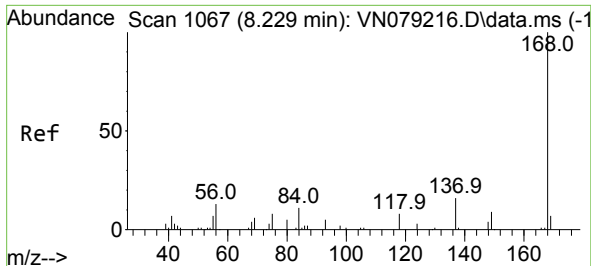
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration

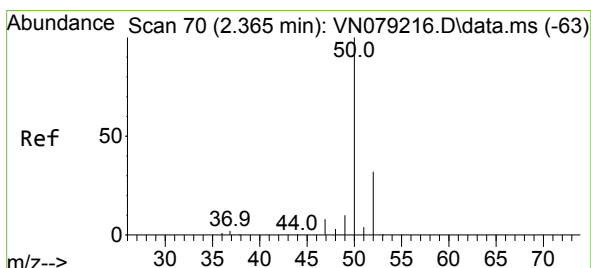
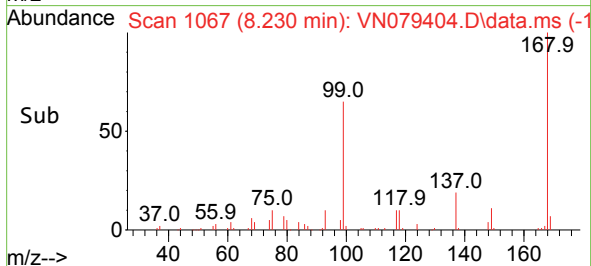
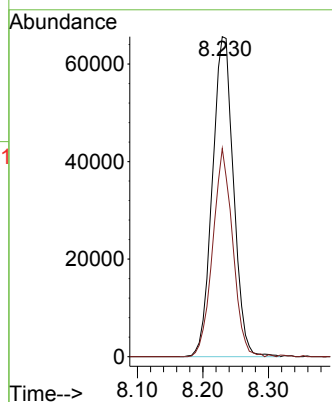
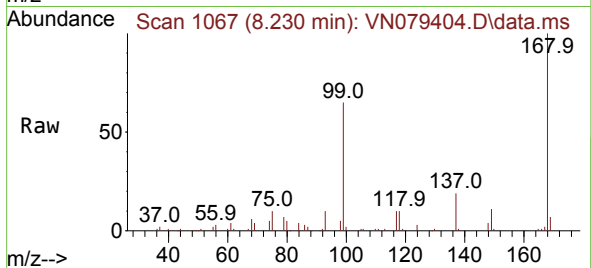




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

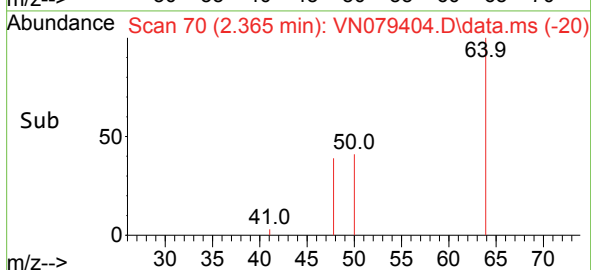
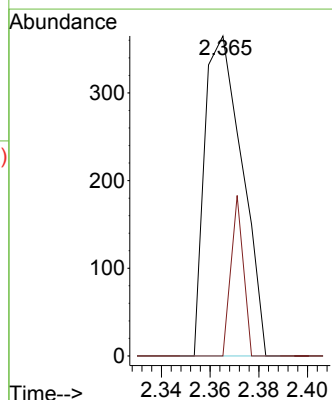
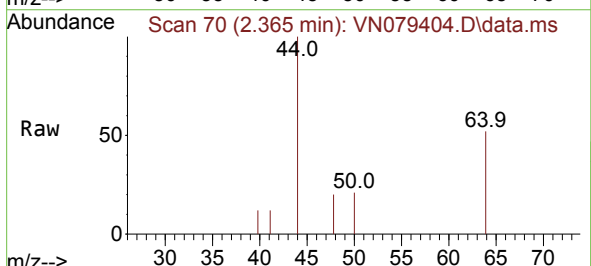
Instrument :
MSVOA_N
ClientSampleId :

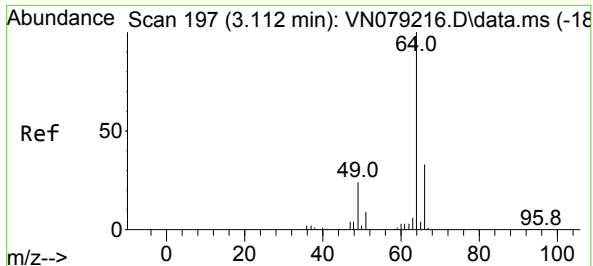
Tgt Ion:168 Resp: 146688
Ion Ratio Lower Upper
168 100
99 65.1 53.0 79.6



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion: 50 Resp: 389
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

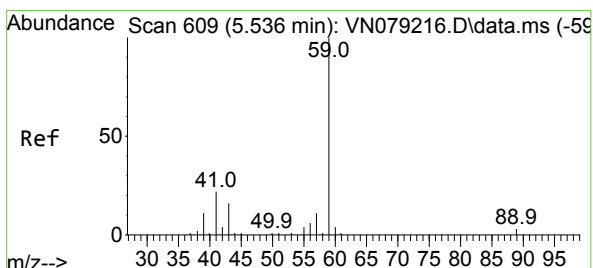
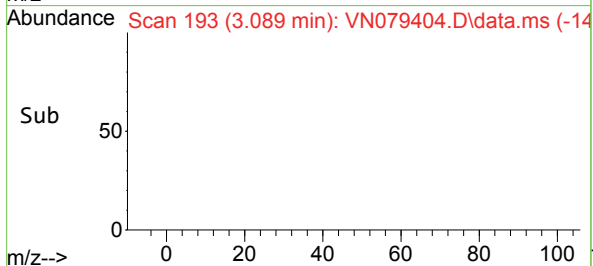
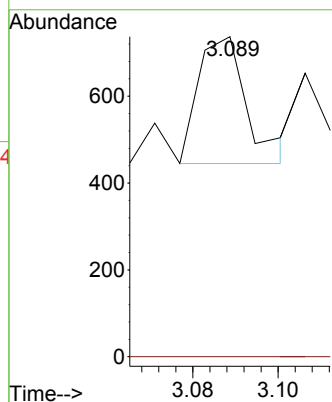
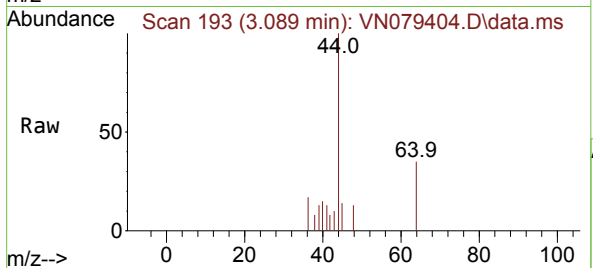




#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 197
Delta R.T. -0.029 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

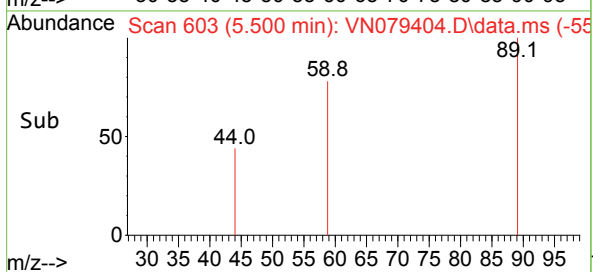
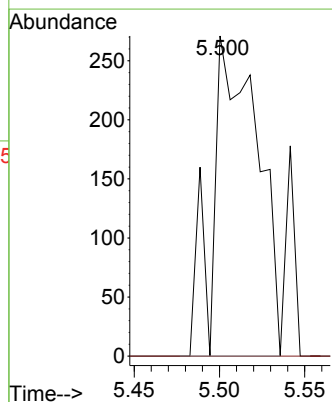
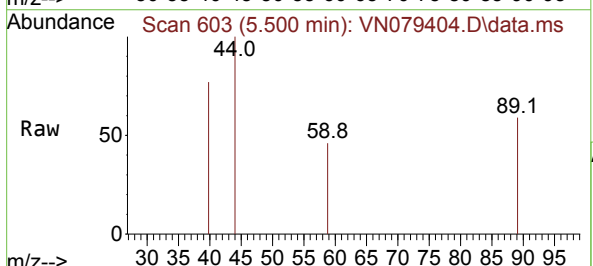
Instrument :
MSVOA_N
ClientSampleId :

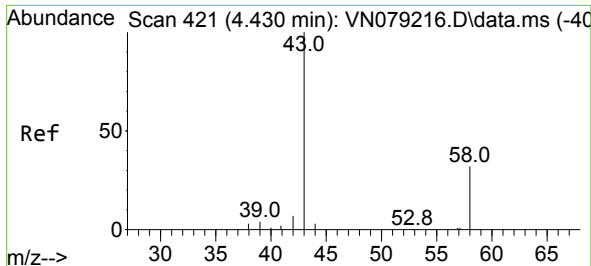
Tgt Ion: 64 Resp: 232
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.373 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.042 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion: 59 Resp: 502
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

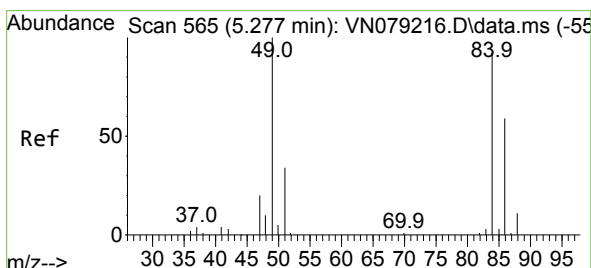
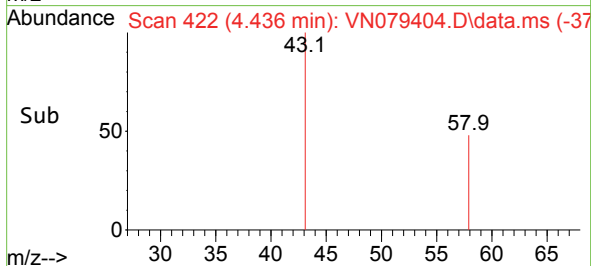
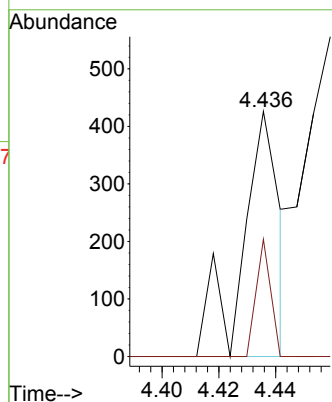
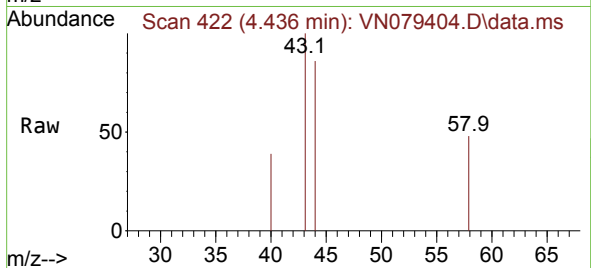




#16
Acetone
Concen: 0.461 ug/l
RT: 4.436 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

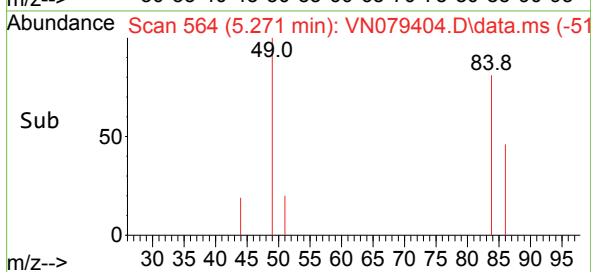
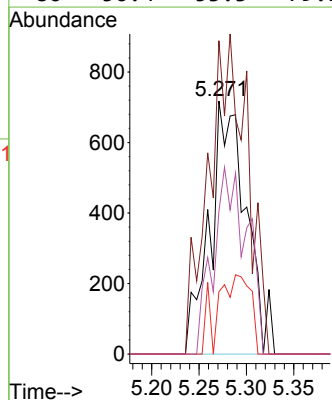
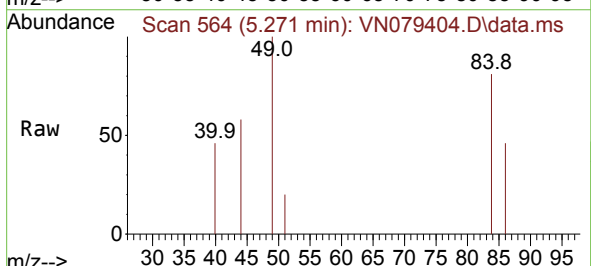
Instrument :
MSVOA_N
ClientSampleId :

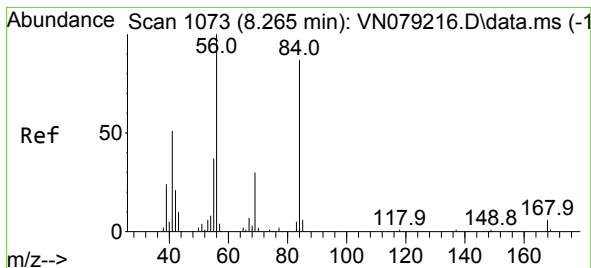
Tgt Ion: 43 Resp: 388
Ion Ratio Lower Upper
43 100
58 47.9 28.0 42.0#



#20
Methylene Chloride
Concen: 0.935 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion: 84 Resp: 1914
Ion Ratio Lower Upper
84 100
49 123.8 79.7 119.5#
51 24.7 25.2 37.8#
86 56.4 53.3 79.9





#31

Cyclohexane

Concen: 1.464 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

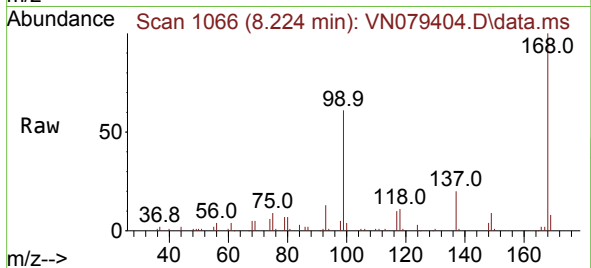
Lab File: VN079404.D

Acq: 04 Oct 2023 15:35

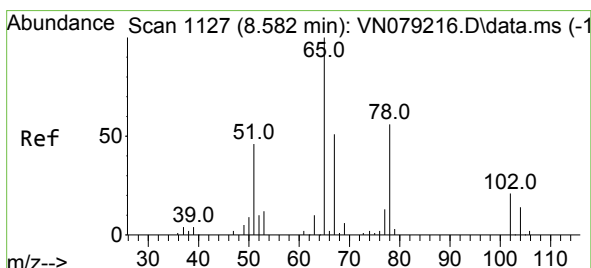
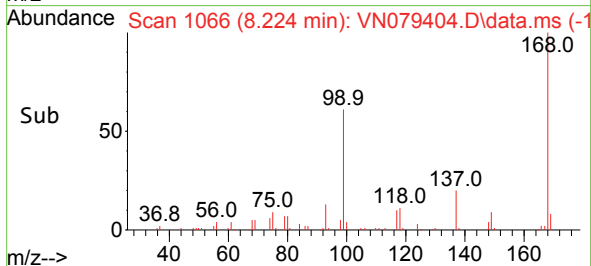
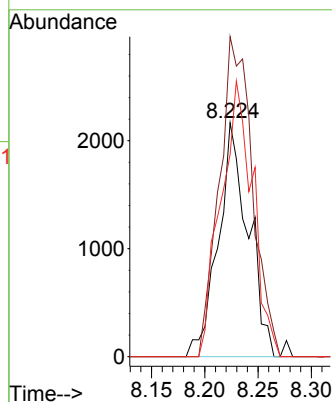
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4234
Ion Ratio	Lower Upper
56	100
69	136.8 26.8 40.2#
84	86.5 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 53.011 ug/l

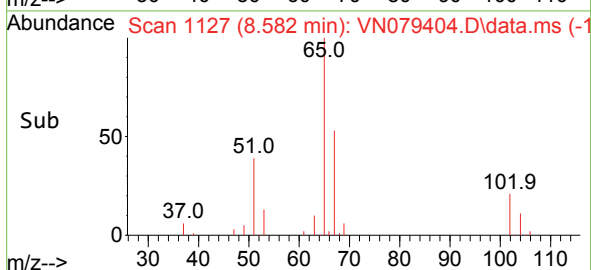
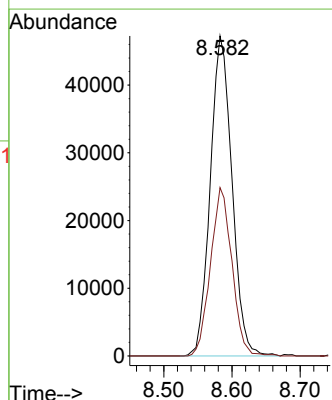
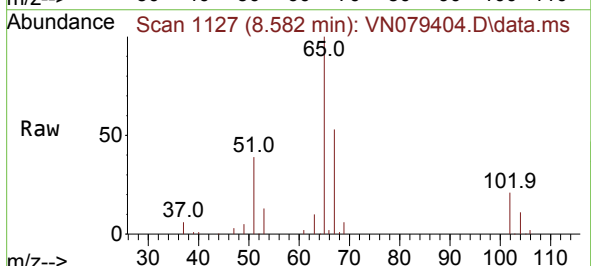
RT: 8.582 min Scan# 1127

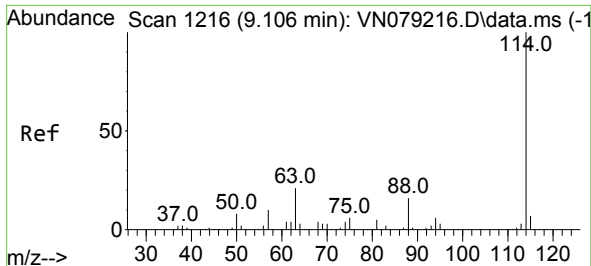
Delta R.T. -0.001 min

Lab File: VN079404.D

Acq: 04 Oct 2023 15:35

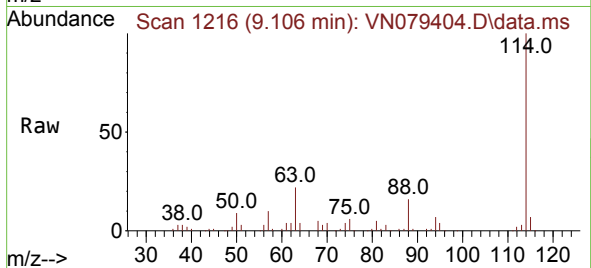
Tgt Ion: 65	Resp: 104970
Ion Ratio	Lower Upper
65	100
67	51.9 0.0 106.6



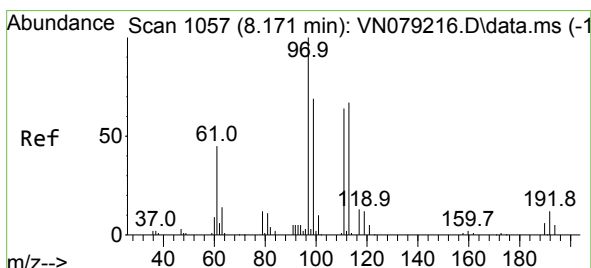
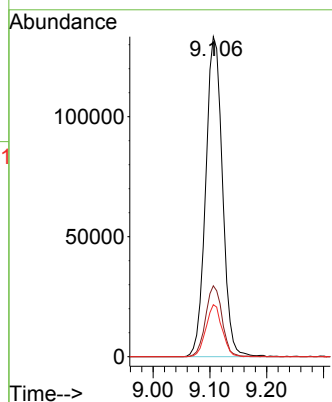
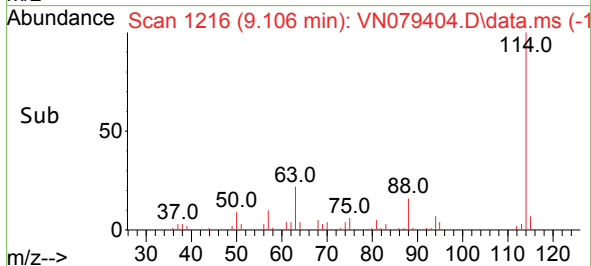


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :

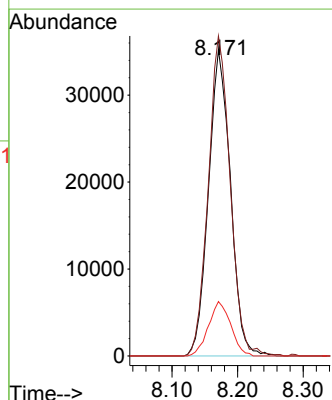
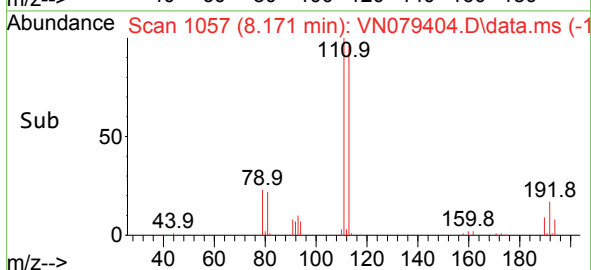
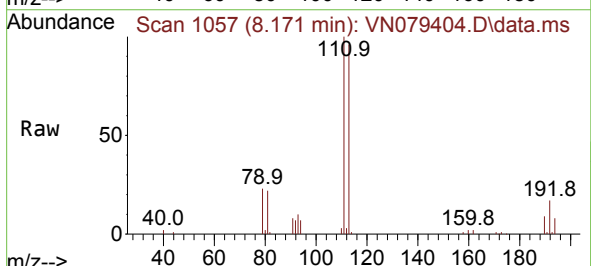


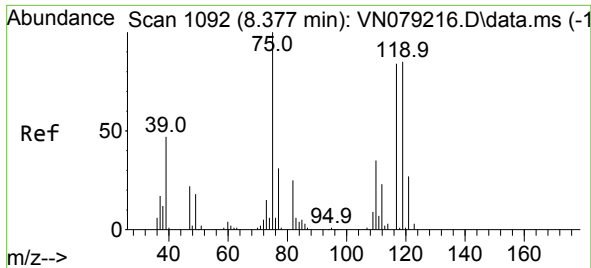
Tgt Ion:114 Resp: 272273
Ion Ratio Lower Upper
114 100
63 22.2 0.0 36.4
88 16.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.187 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion:113 Resp: 81839
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 18.1 12.7 19.1

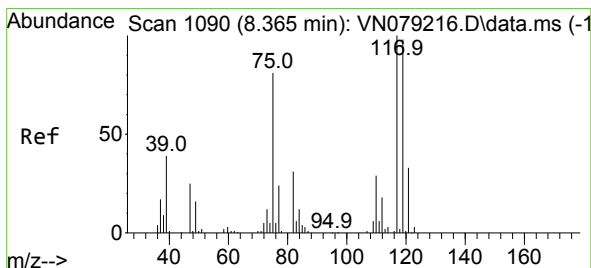
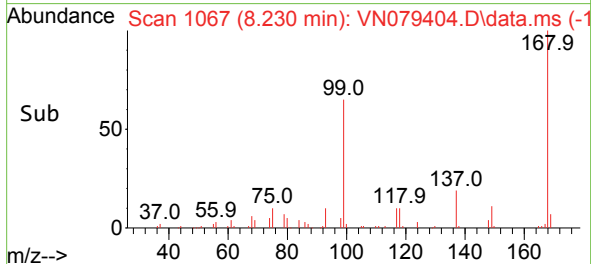
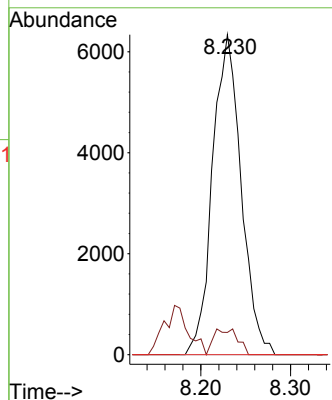
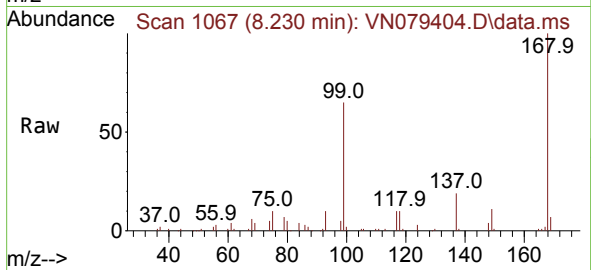




#36
1,1-Dichloropropene
Concen: 5.022 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

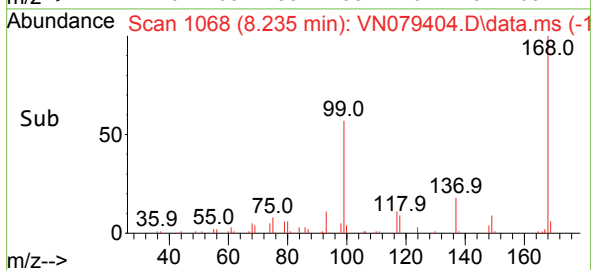
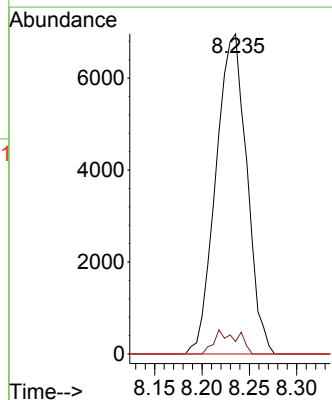
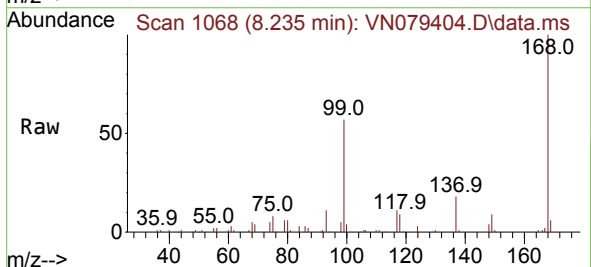
Instrument :
MSVOA_N
ClientSampleId :

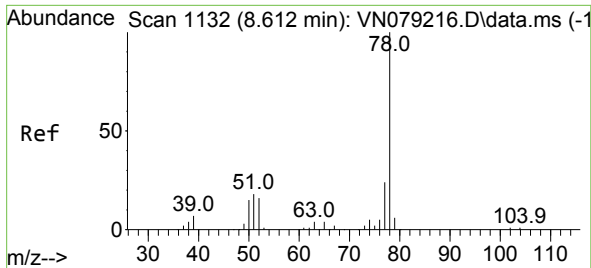
Tgt Ion: 75 Resp: 14020
Ion Ratio Lower Upper
75 100
110 6.7 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion: 117 Resp: 15787
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#

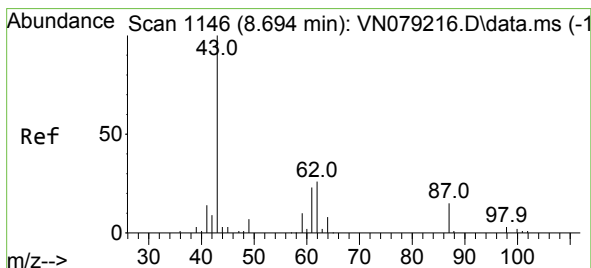
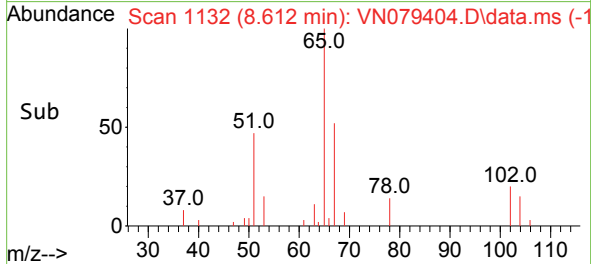
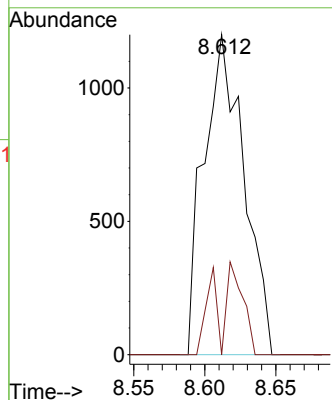
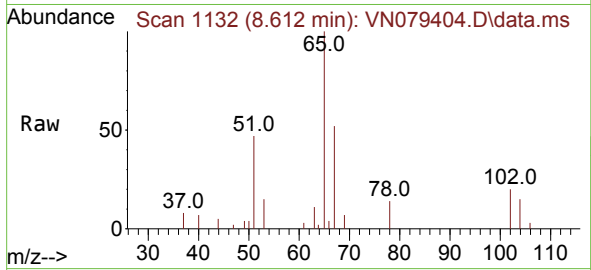




#40
Benzene
Concen: 0.276 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

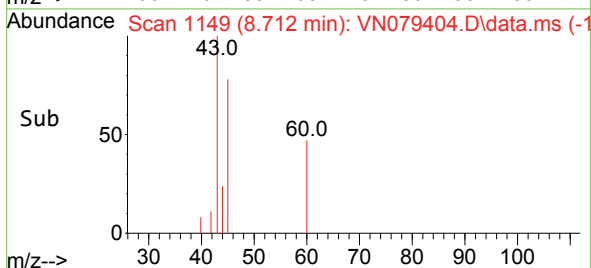
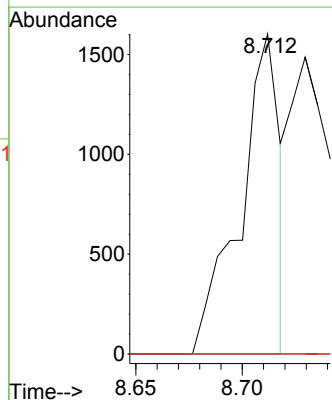
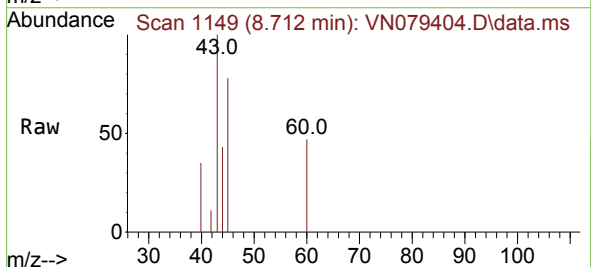
Instrument :
MSVOA_N
ClientSampleId :

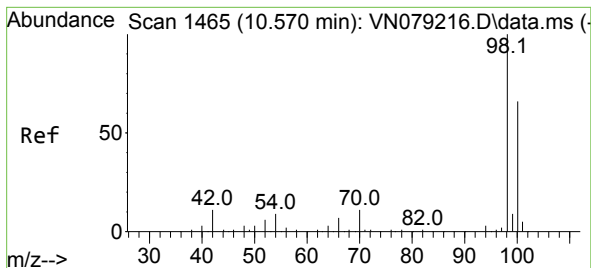
Tgt Ion: 78 Resp: 2357
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#



#43
Isopropyl Acetate
Concen: 0.456 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

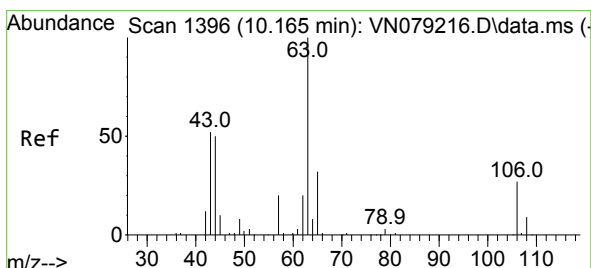
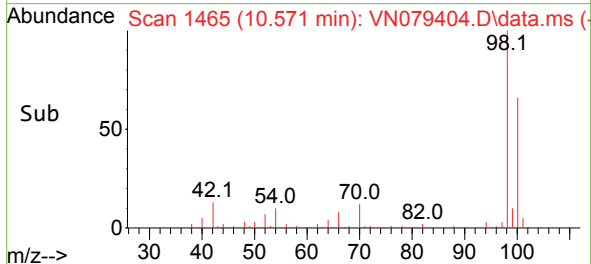
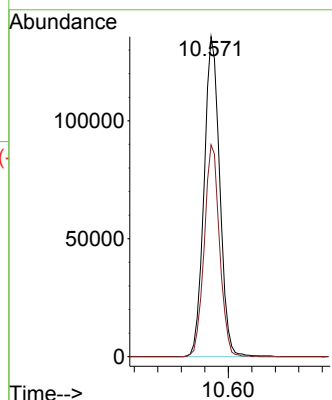
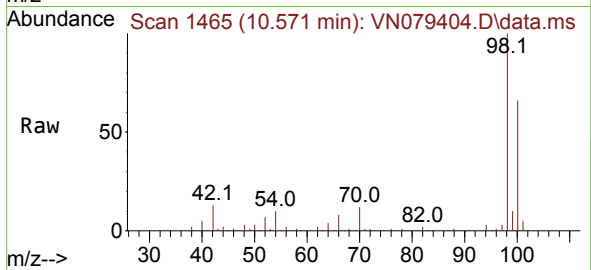




#50
Toluene-d8
Concen: 37.805 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

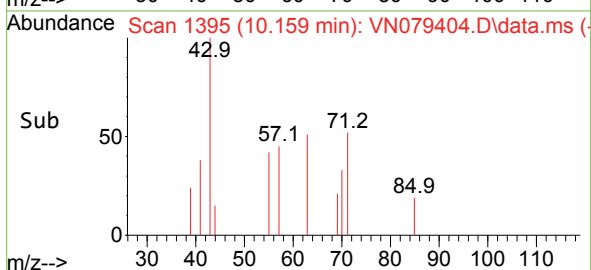
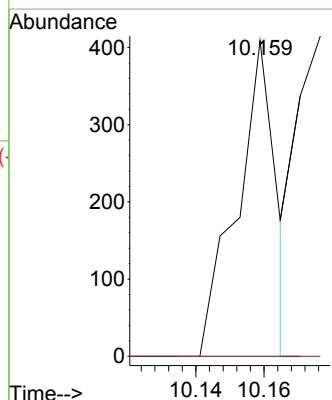
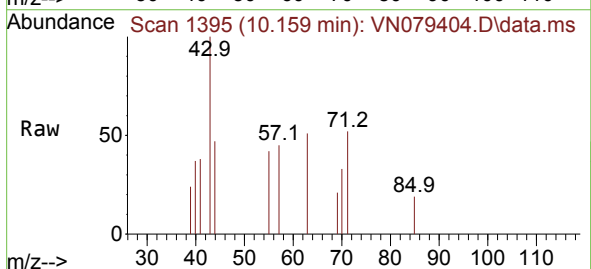
Instrument :
MSVOA_N
ClientSampleId :

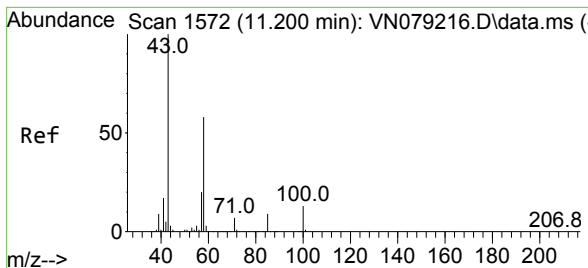
Tgt Ion: 98 Resp: 251406
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion: 63 Resp: 325
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#

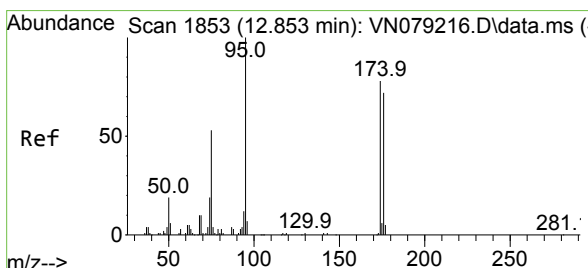
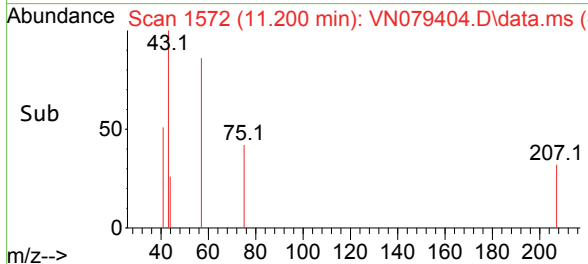
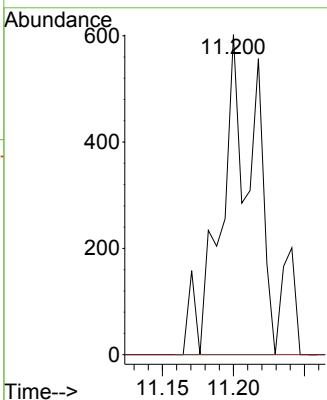
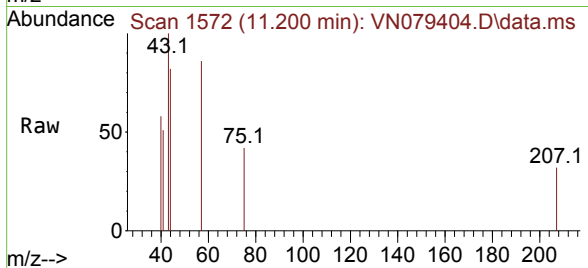




#59
2-Hexanone
Concen: 0.513 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

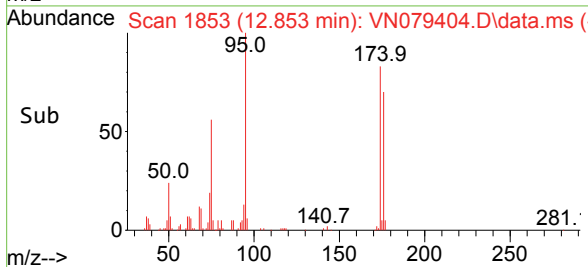
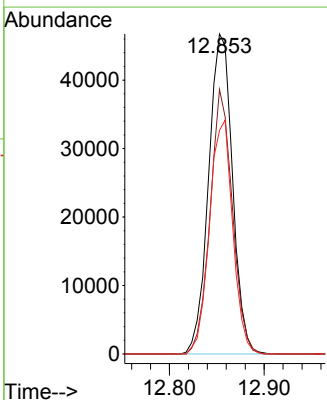
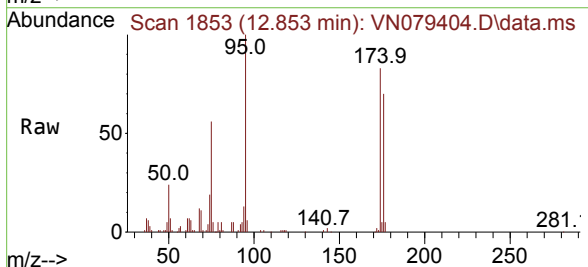
Instrument :
MSVOA_N
ClientSampleId :

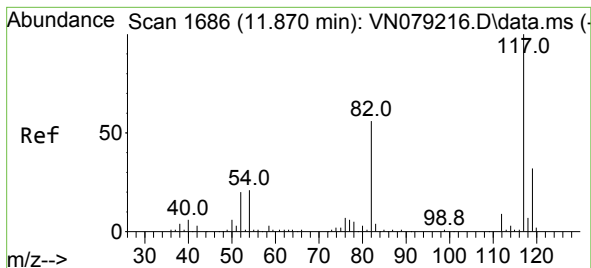
Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 38.602 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion: 95 Resp: 81885
Ion Ratio Lower Upper
95 100
174 77.4 0.0 143.8
176 71.0 0.0 135.8

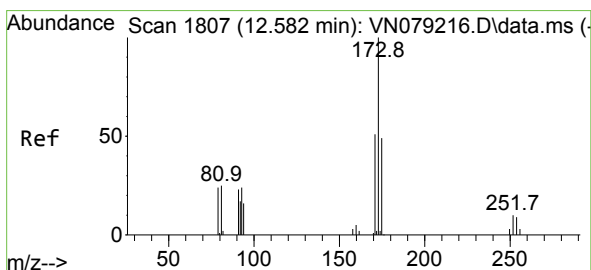
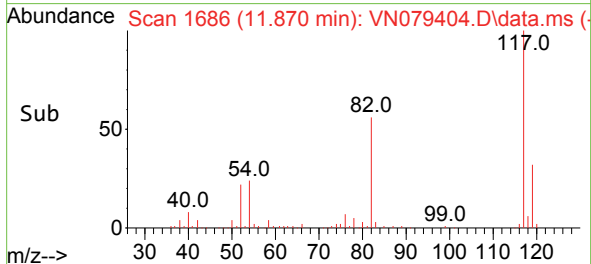
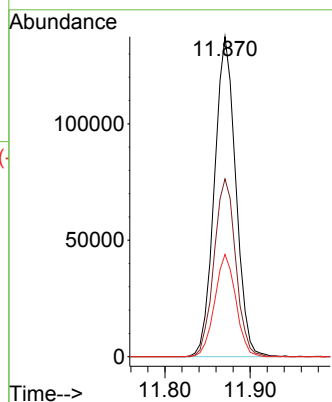
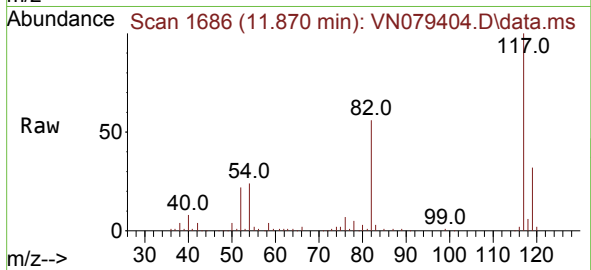




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

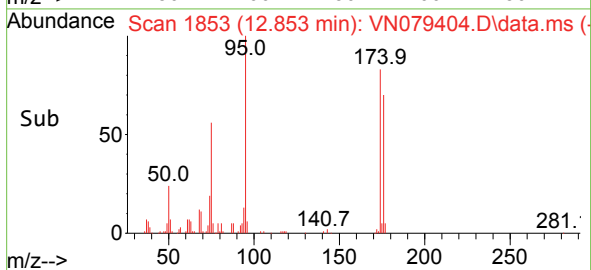
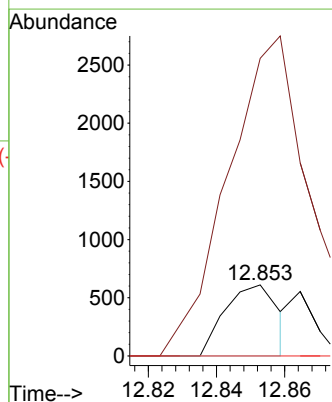
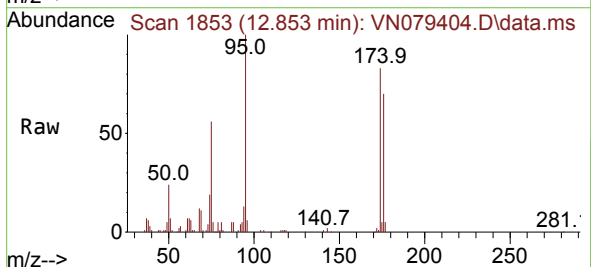
Instrument :
MSVOA_N
ClientSampleId :

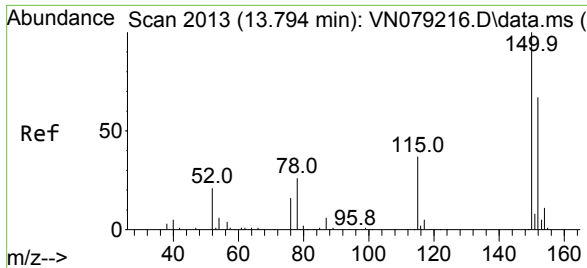
Tgt Ion:117 Resp: 238681
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.444 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Tgt Ion:173 Resp: 665
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

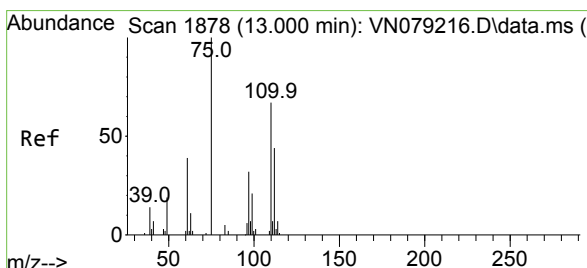
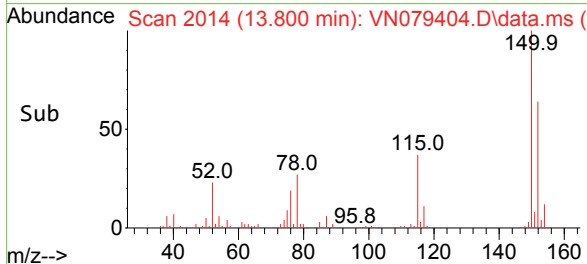
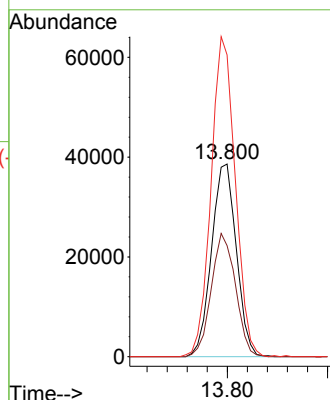
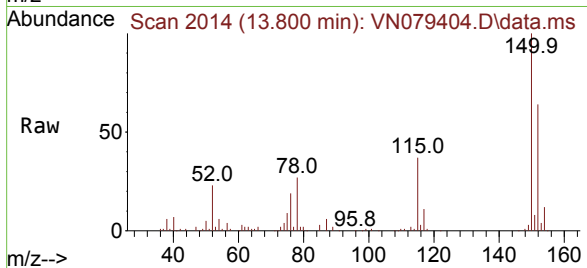




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN079404.D
 Acq: 04 Oct 2023 15:35

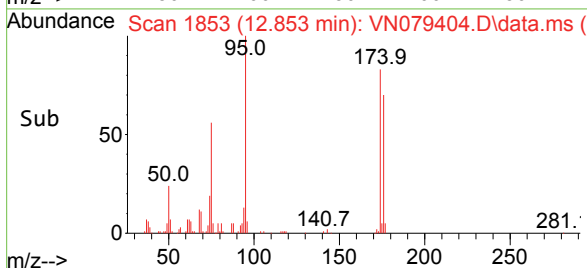
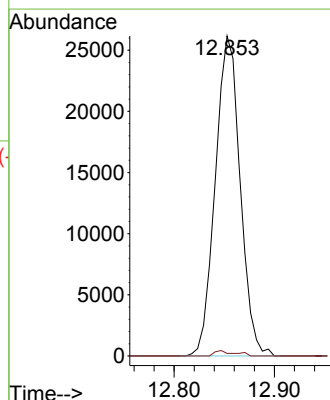
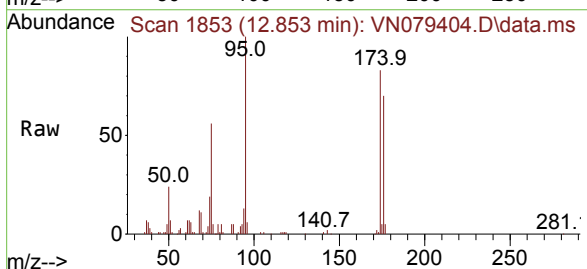
Instrument :
 MSVOA_N
 ClientSampleId :

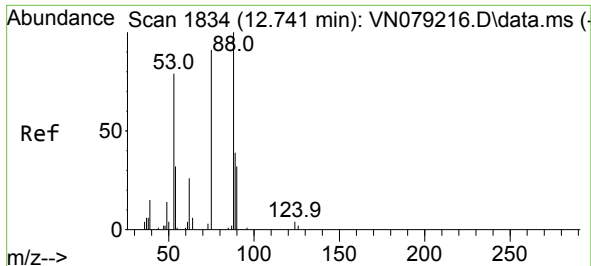
Tgt Ion:152 Resp: 66427
 Ion Ratio Lower Upper
 152 100
 115 62.4 32.3 96.8
 150 161.7 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.166 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079404.D
 Acq: 04 Oct 2023 15:35

Tgt Ion: 75 Resp: 45054
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#

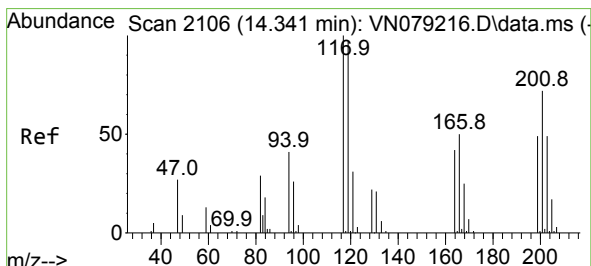
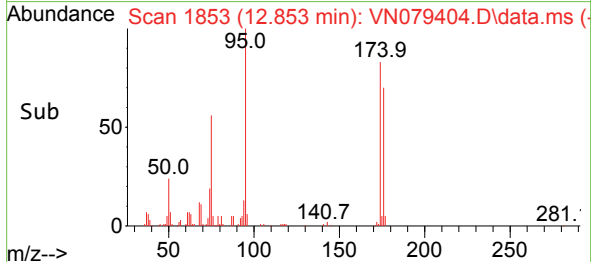
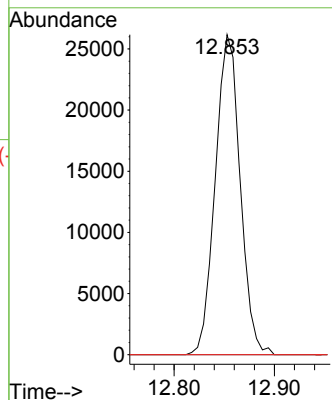
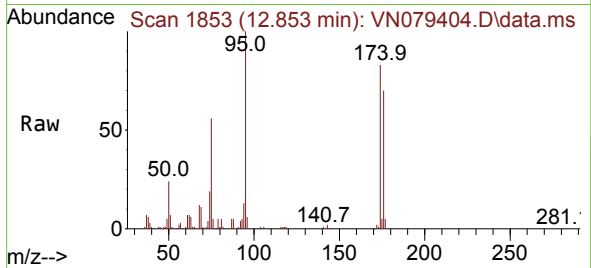




#81
trans-1,4-Dichloro-2-butene
Concen: 69.186 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

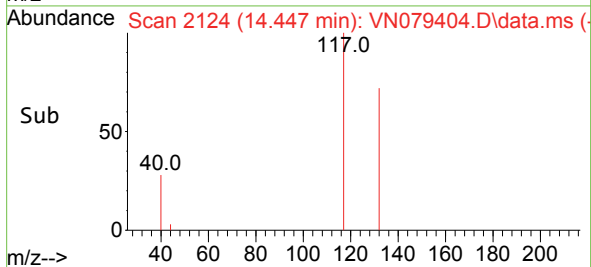
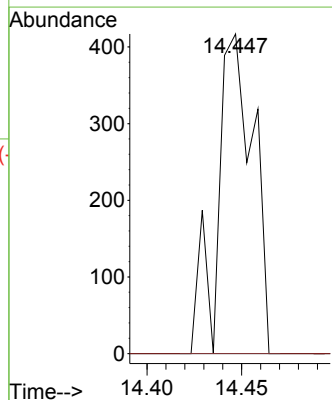
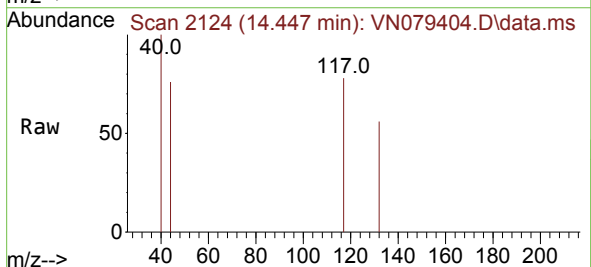
Instrument :
MSVOA_N
ClientSampleId :

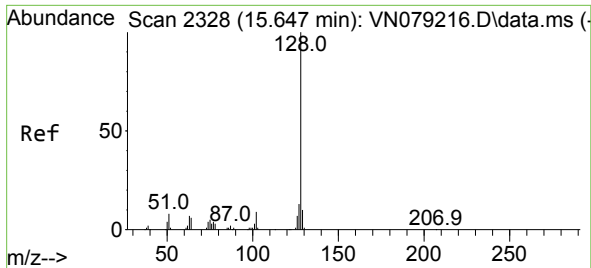
Tgt Ion: 75 Resp: 45054
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: 0.592 ug/l
RT: 14.447 min Scan# 2124
Delta R.T. 0.112 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

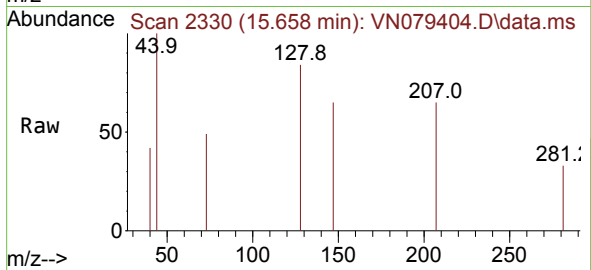
Tgt Ion: 117 Resp: 551
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#95
Naphthalene
Concen: 0.271 ug/l
RT: 15.658 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN079404.D
Acq: 04 Oct 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 718
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

