

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101023\
 Data File : VN079484.D
 Acq On : 10 Oct 2023 11:22
 Operator : JC\MD
 Sample : VN1010WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:14:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

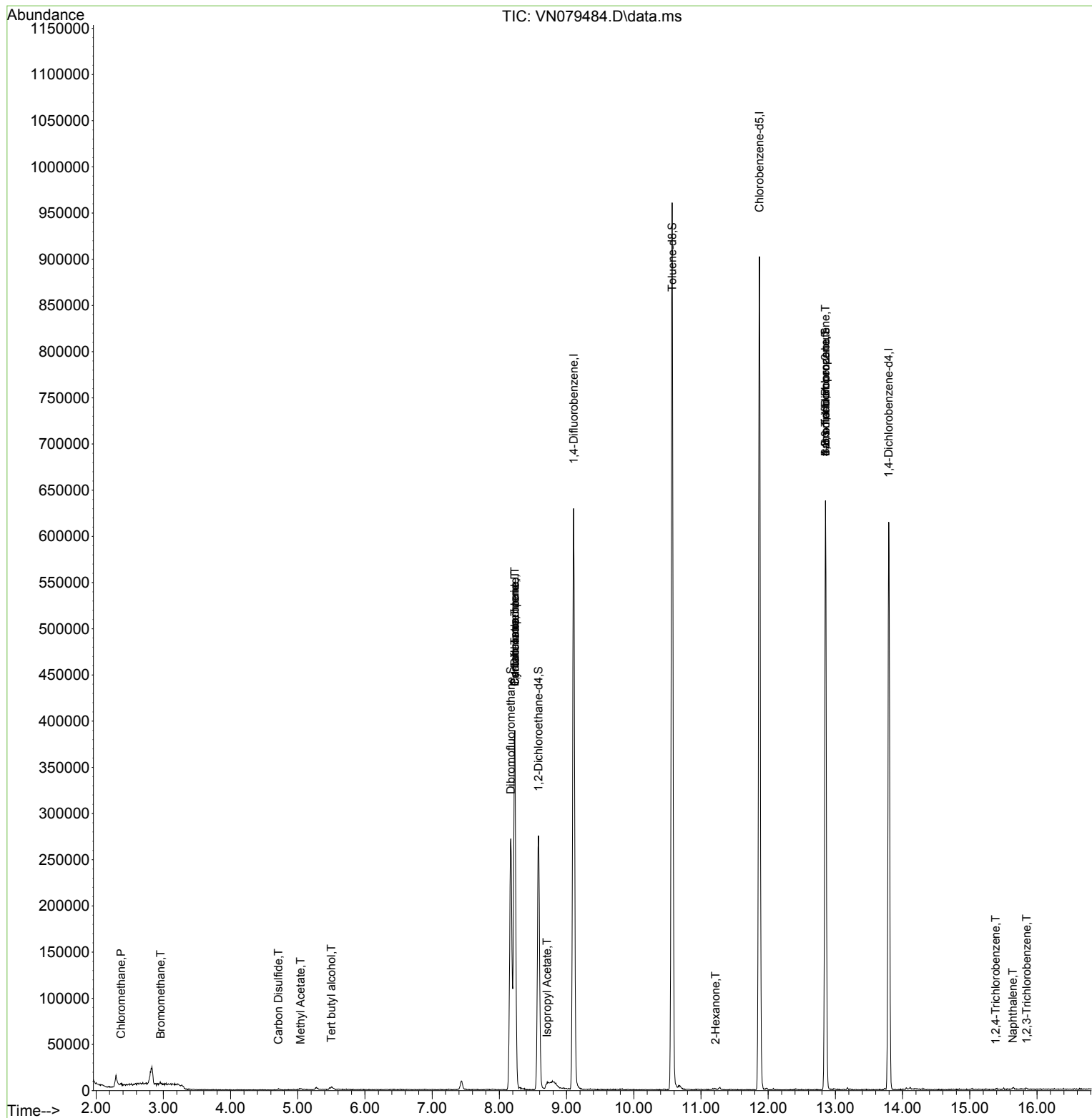
Internal Standards						
1) Pentafluorobenzene	8.230	168	269089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	525885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	509095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	222885	51.084	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.160%	
35) Dibromofluoromethane	8.171	113	196505	51.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.000%	
50) Toluene-d8	10.571	98	629978	46.070	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.140%	
62) 4-Bromofluorobenzene	12.853	95	206510	47.059	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1024	0.213	ug/l	92
5) Bromomethane	2.959	94	1347	0.450	ug/l	93
11) Tert butyl alcohol	5.500	59	2852	4.343	ug/l #	72
17) Carbon Disulfide	4.712	76	2012	0.203	ug/l #	75
18) Methyl Acetate	5.042	43	1906	0.225	ug/l #	61
20) Methylene Chloride	5.277	84	1075	Below Cal	#	85
31) Cyclohexane	8.230	56	7424	1.200	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	25520	4.499	ug/l #	47
38) Carbon Tetrachloride	8.230	117	30849	5.433	ug/l #	16
43) Isopropyl Acetate	8.712	43	6906	0.698	ug/l #	49
59) 2-Hexanone	11.218	43	1119	0.278	ug/l	64
71) Bromoform	12.853	173	1899	0.625	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	61	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	115994	25.256	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115994	73.282	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.388	180	402	0.231	ug/l #	33
95) Naphthalene	15.641	128	2571	0.484	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.847	180	705	0.339	ug/l #	75

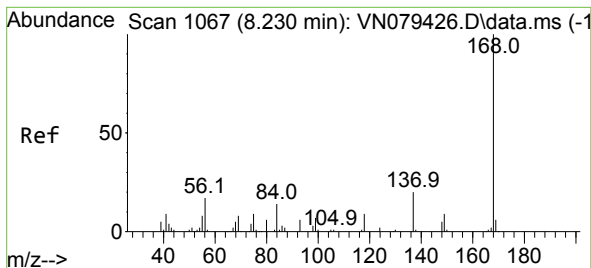
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 06 03:34:49 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: VN079484.D

Acq: 10 Oct 2023 11:22

Instrument :

MSVOA_N

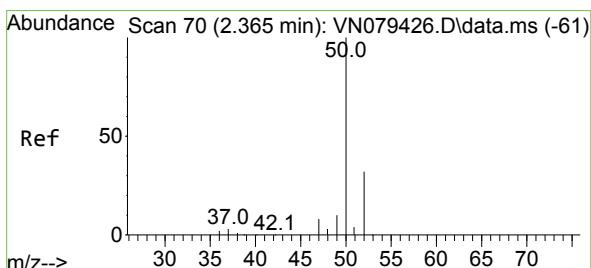
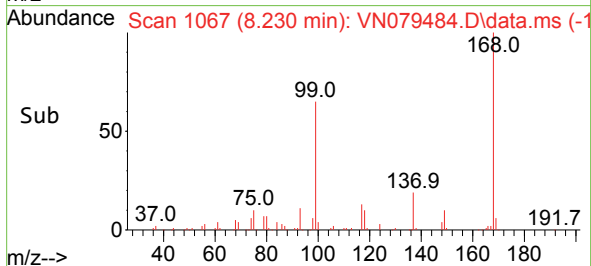
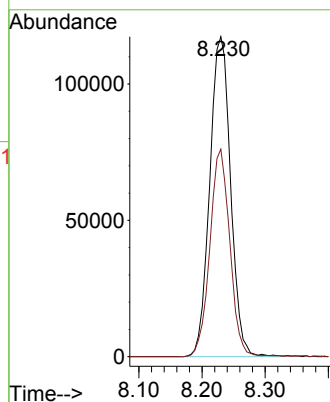
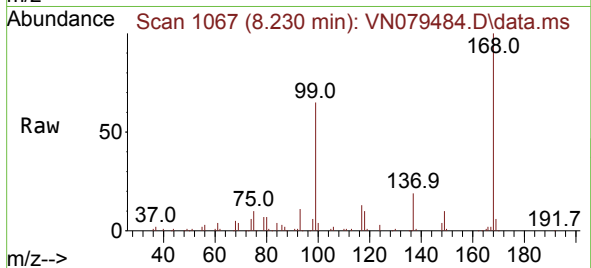
ClientSampleId :

Tgt Ion:168 Resp: 269089

Ion Ratio Lower Upper

168 100

99 64.8 53.0 79.6



#3

Chloromethane

Concen: 0.213 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN079484.D

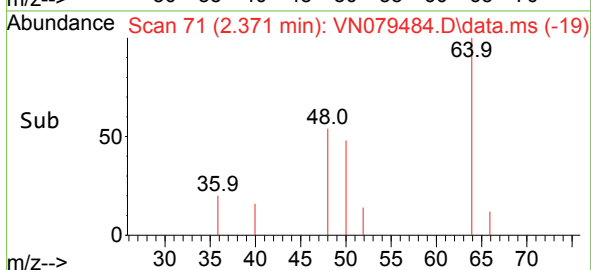
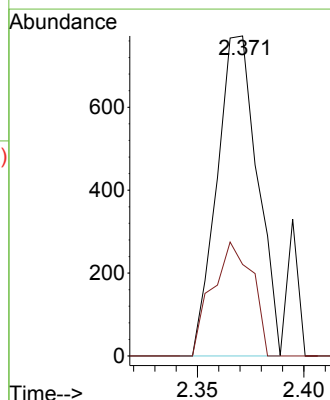
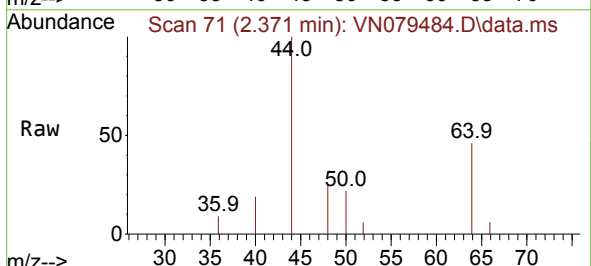
Acq: 10 Oct 2023 11:22

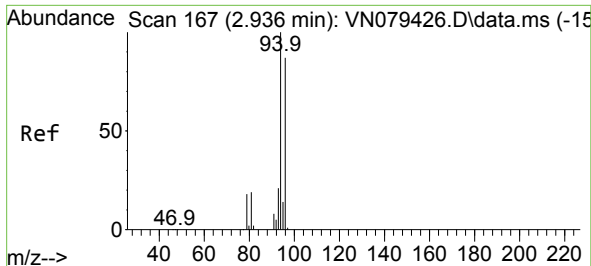
Tgt Ion: 50 Resp: 1024

Ion Ratio Lower Upper

50 100

52 28.6 26.5 39.7

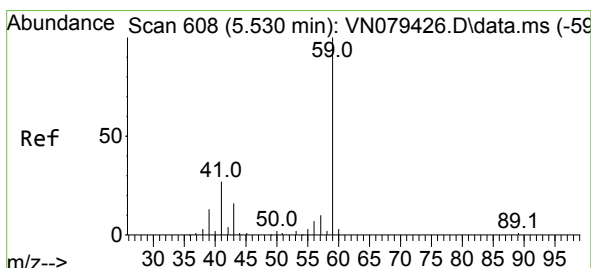
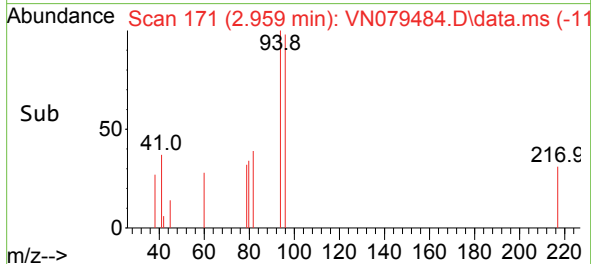
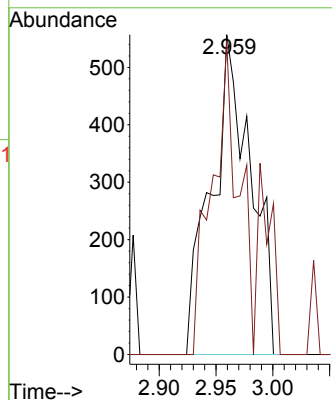
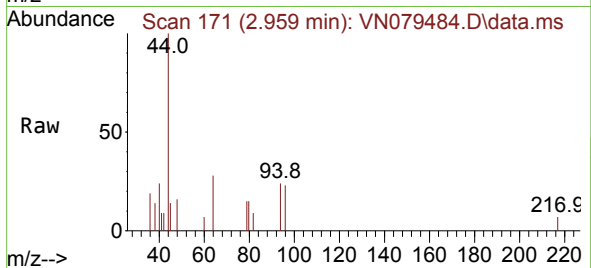




#5
Bromomethane
Concen: 0.450 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

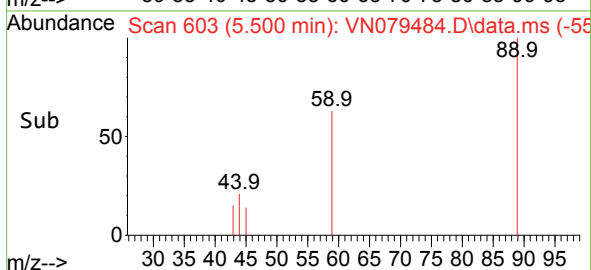
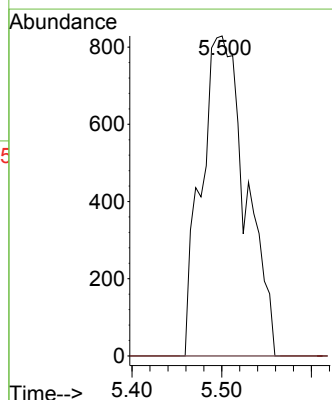
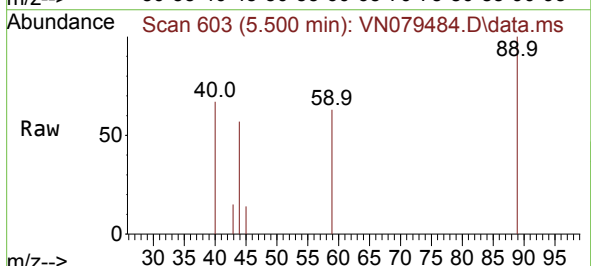
Instrument :
MSVOA_N
ClientSampleId :

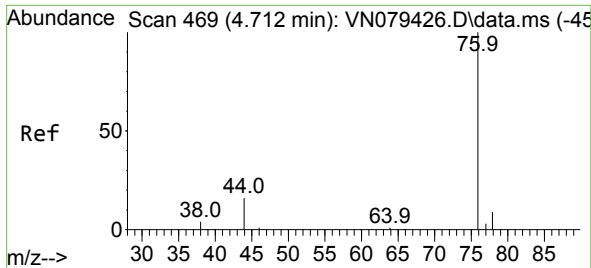
Tgt Ion: 94 Resp: 1347
Ion Ratio Lower Upper
94 100
96 98.0 73.1 109.7



#11
Tert butyl alcohol
Concen: 4.343 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.030 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

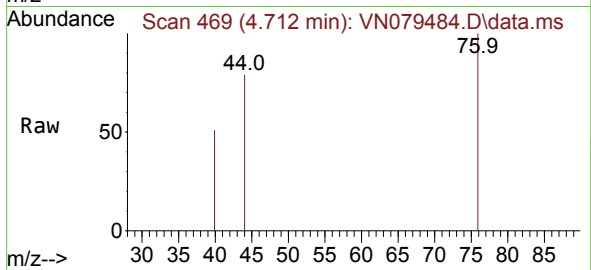
Tgt Ion: 59 Resp: 2852
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



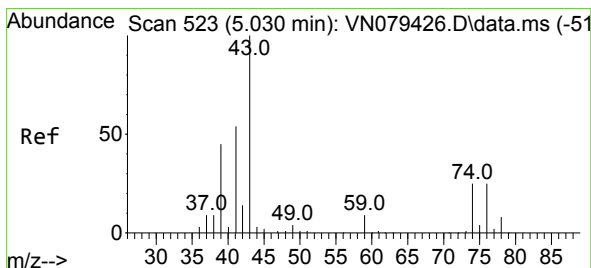
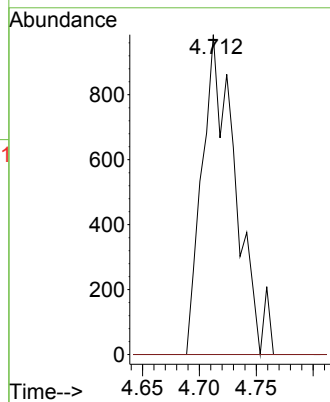
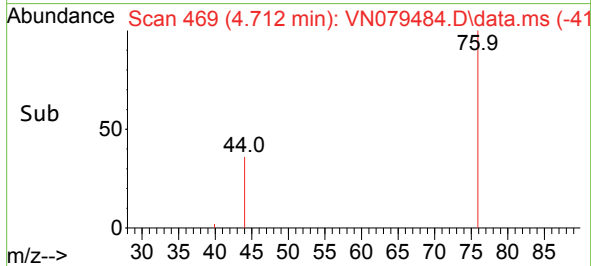


#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

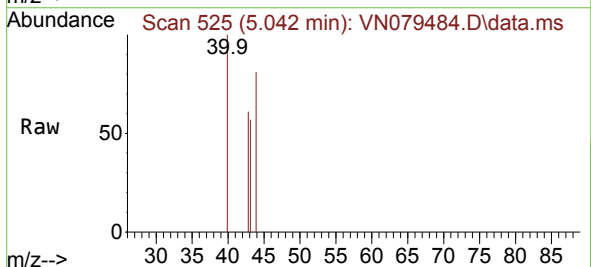
Instrument :
MSVOA_N
ClientSampleId :



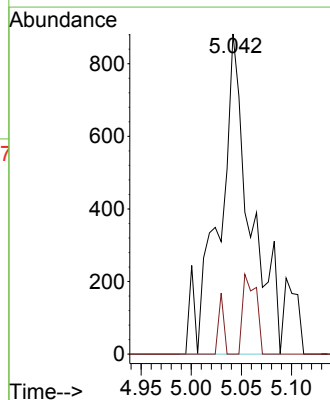
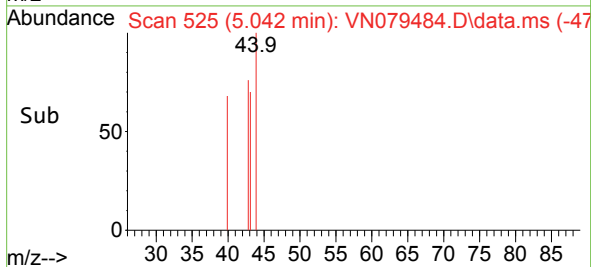
Tgt Ion: 76 Resp: 2012
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

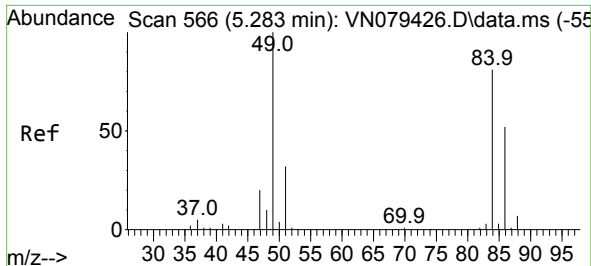


#18
Methyl Acetate
Concen: 0.225 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22



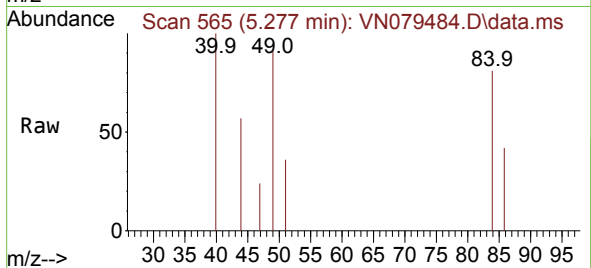
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
74 10.7 26.2 39.4#





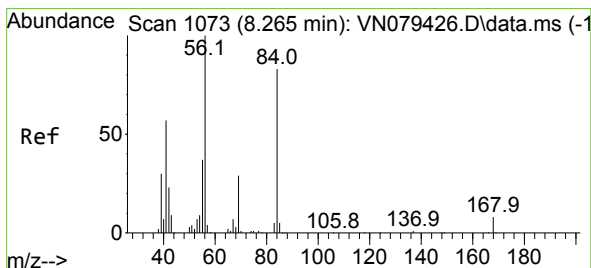
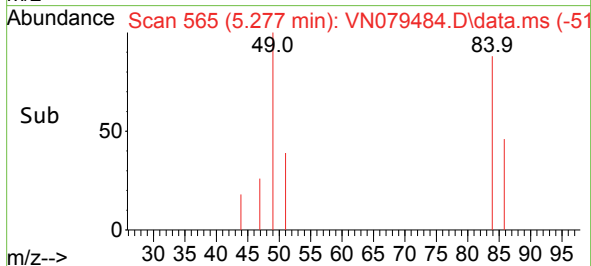
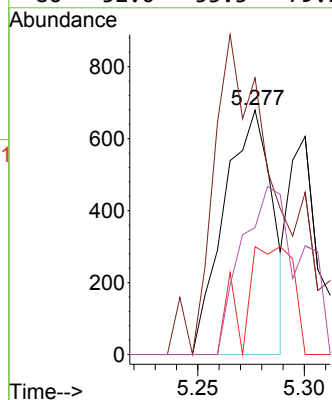
#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1075

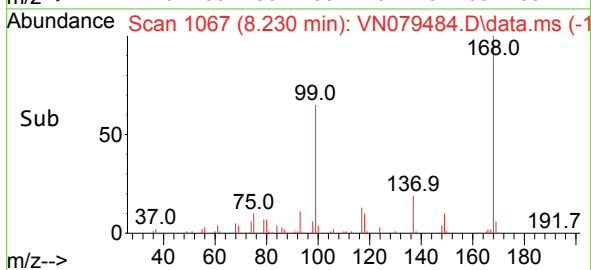
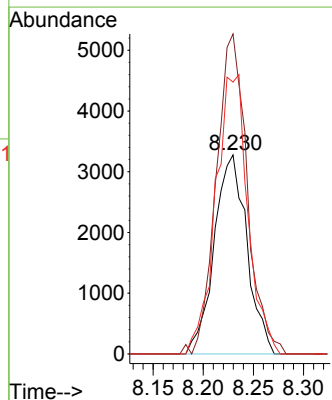
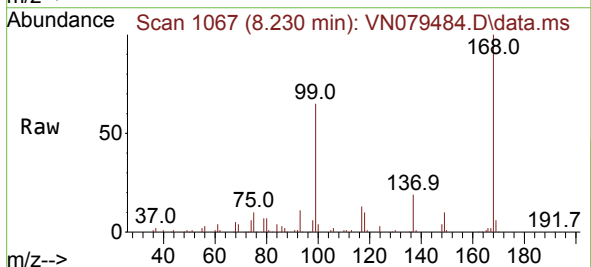
Ion	Ratio	Lower	Upper
84	100		
49	89.8	79.7	119.5
51	44.2	25.2	37.8#
86	52.0	53.3	79.9#

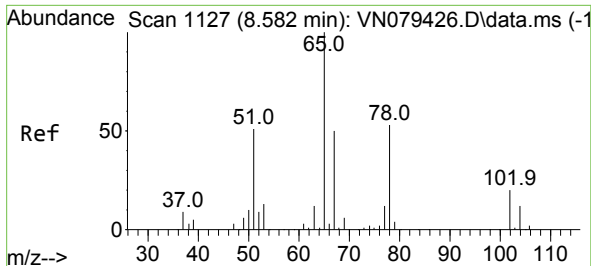


#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Tgt Ion: 56 Resp: 7424

Ion	Ratio	Lower	Upper
56	100		
69	160.7	26.8	40.2#
84	136.5	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.084 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079484.D

Acq: 10 Oct 2023 11:22

Instrument :

MSVOA_N

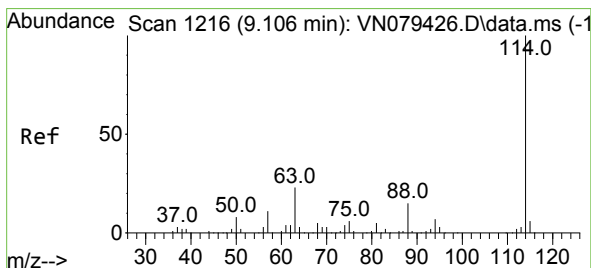
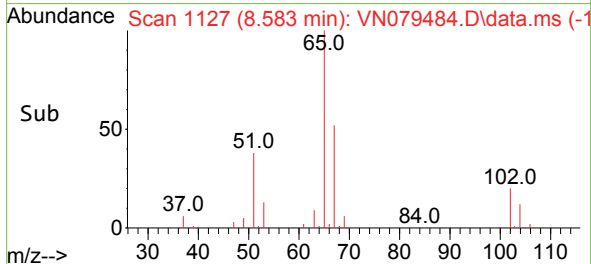
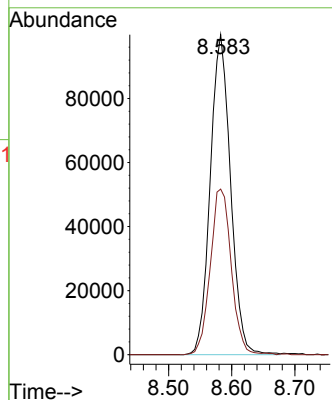
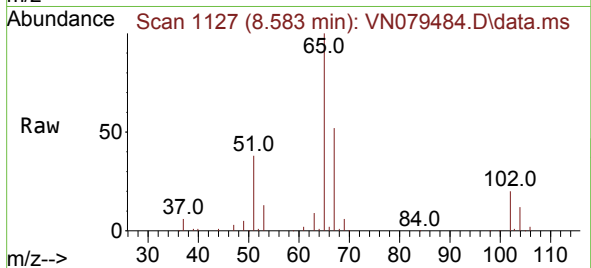
ClientSampleId :

Tgt Ion: 65 Resp: 222885

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079484.D

Acq: 10 Oct 2023 11:22

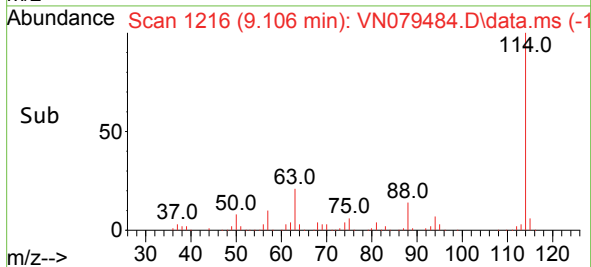
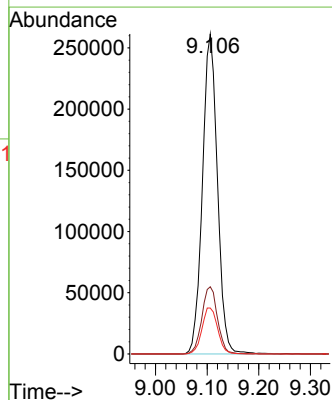
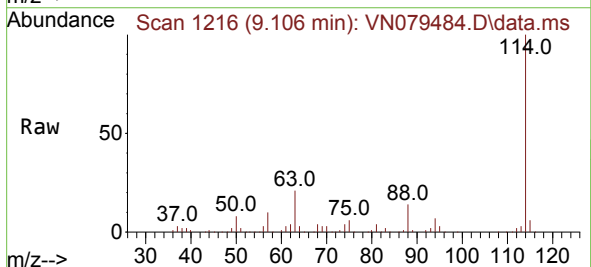
Tgt Ion: 114 Resp: 525885

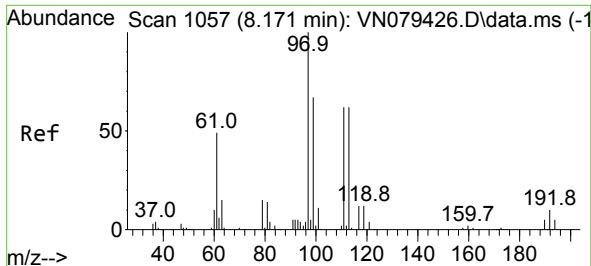
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

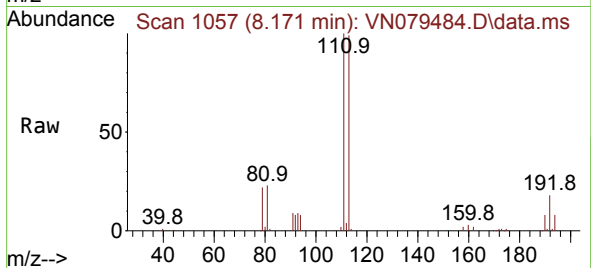
88 14.4 0.0 30.6



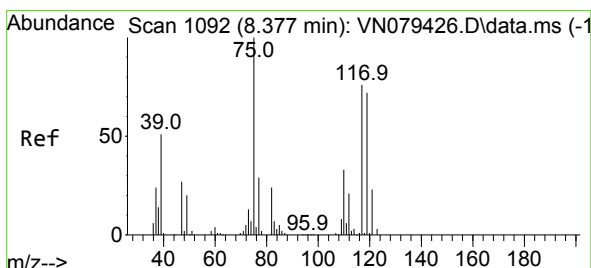
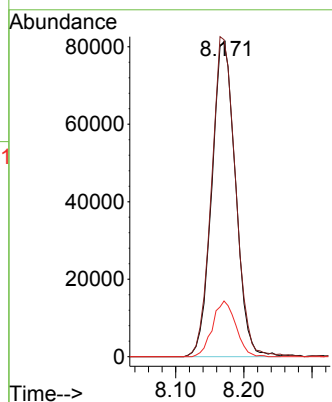
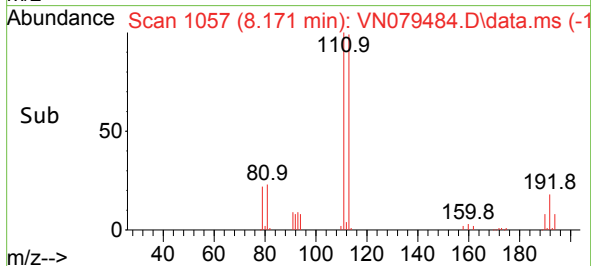


#35
Dibromofluoromethane
Concen: 51.996 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Instrument :
MSVOA_N
ClientSampleId :

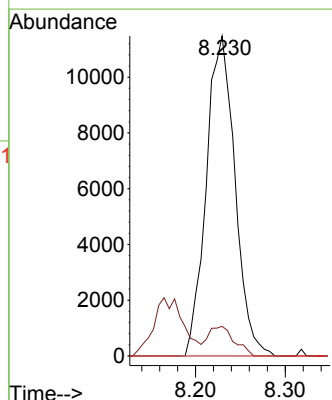
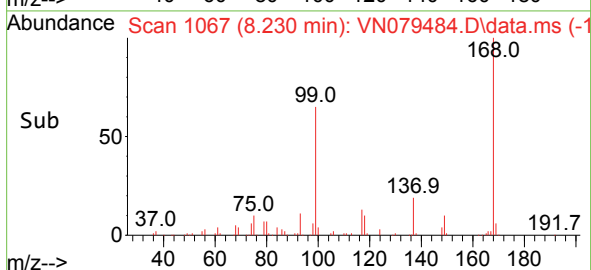
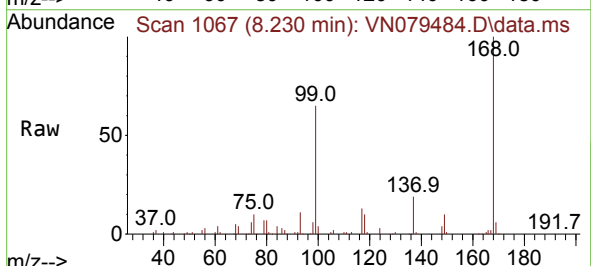


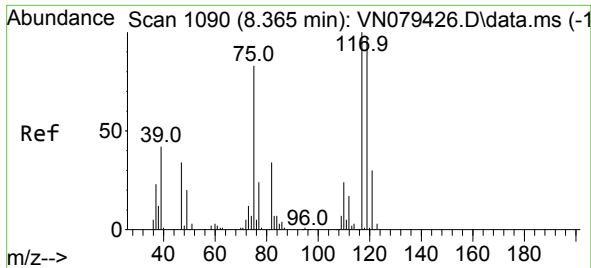
Tgt Ion:113 Resp: 196505
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 17.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.499 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

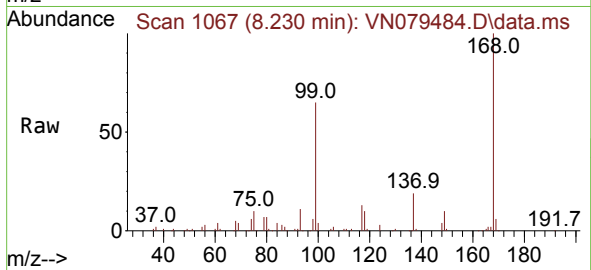
Tgt Ion: 75 Resp: 25520
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#



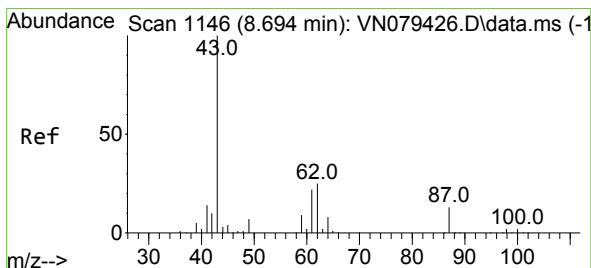
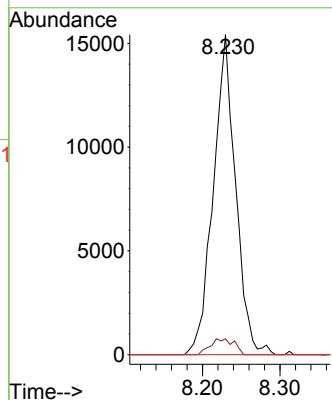
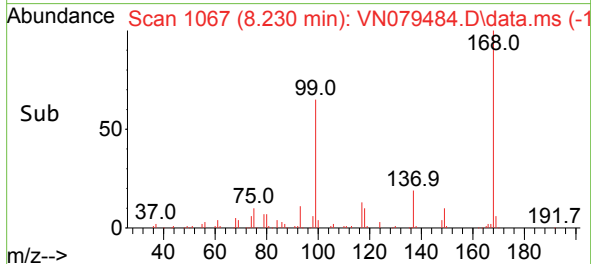


#38
Carbon Tetrachloride
Concen: 5.433 ug/l
RT: 8.230 min Scan# 1090
Delta R.T. -0.135 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Instrument :
MSVOA_N
ClientSampleId :

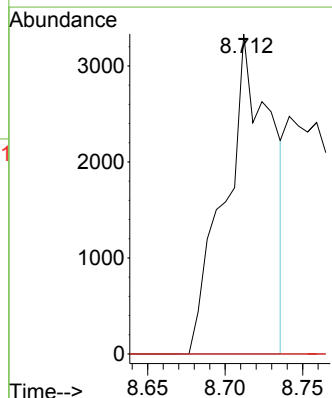
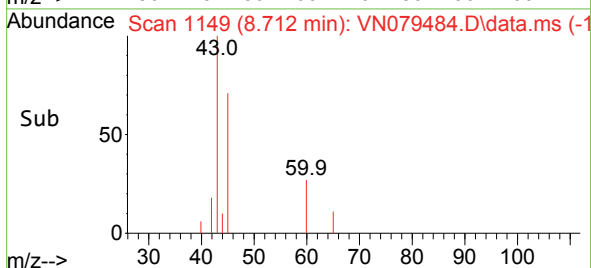
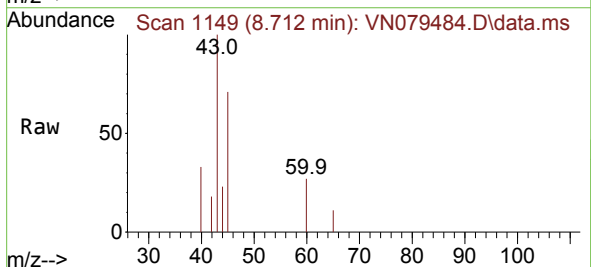


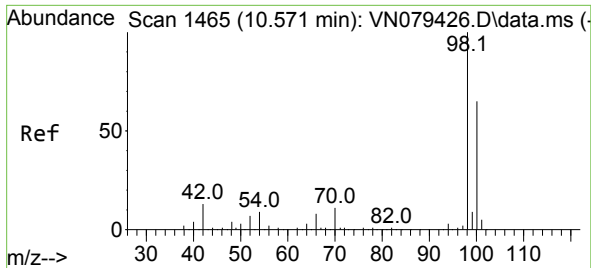
Tgt Ion:117 Resp: 30849
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.698 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Tgt Ion: 43 Resp: 6906
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

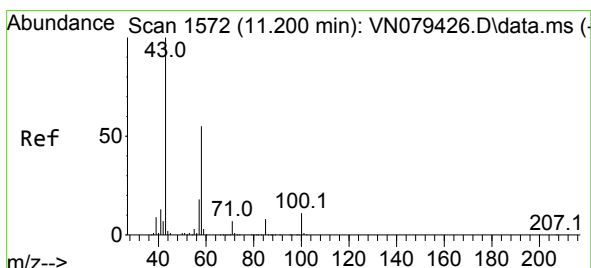
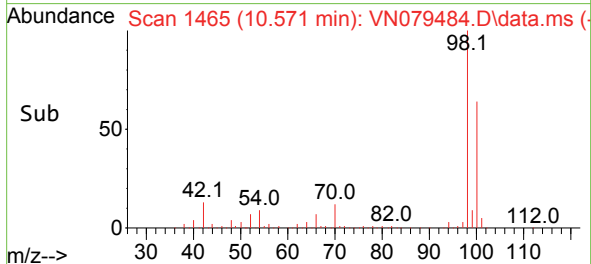
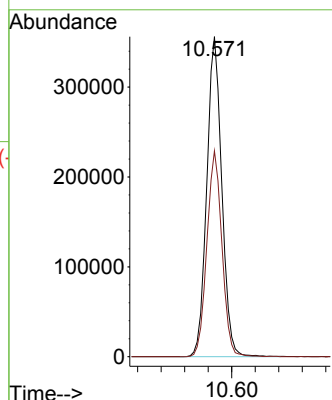
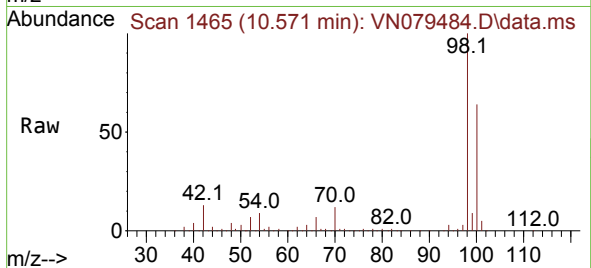




#50
Toluene-d8
Concen: 46.070 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

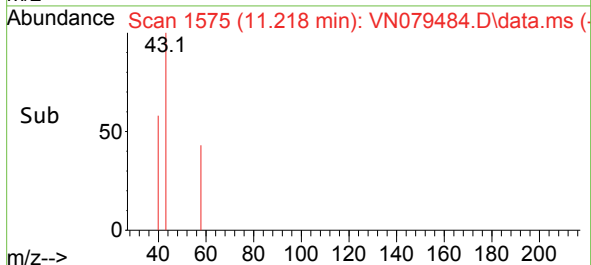
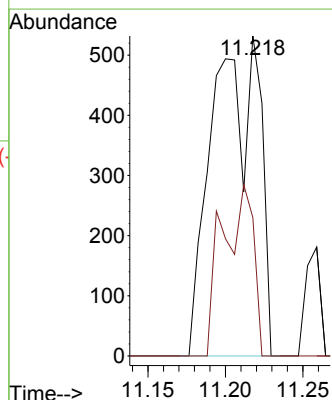
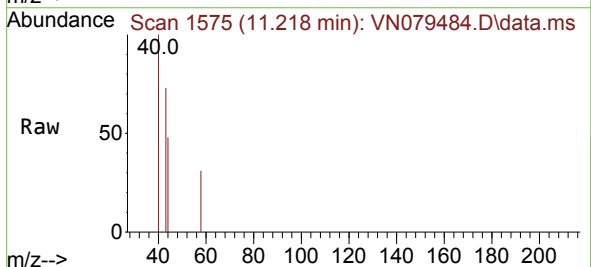
Instrument :
MSVOA_N
ClientSampleId :

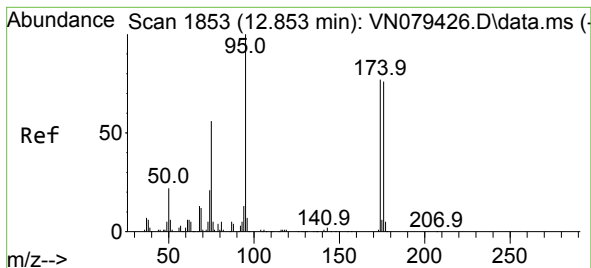
Tgt Ion: 98 Resp: 629978
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#59
2-Hexanone
Concen: 0.278 ug/l
RT: 11.218 min Scan# 1575
Delta R.T. 0.018 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 35.3 31.7 95.1

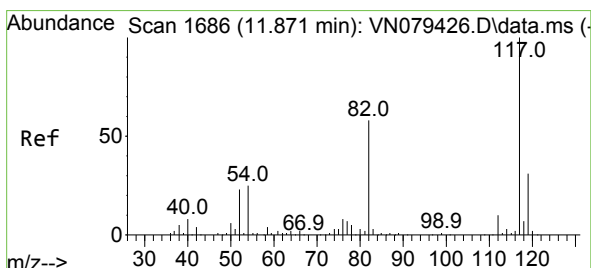
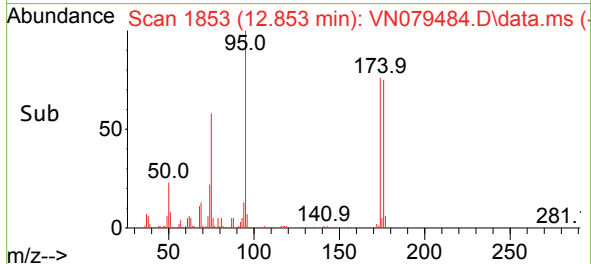
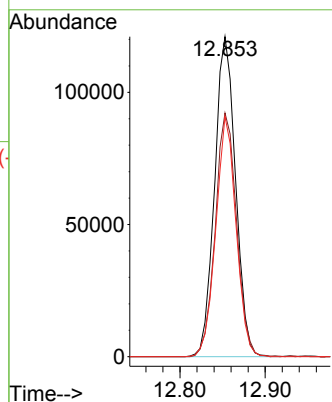
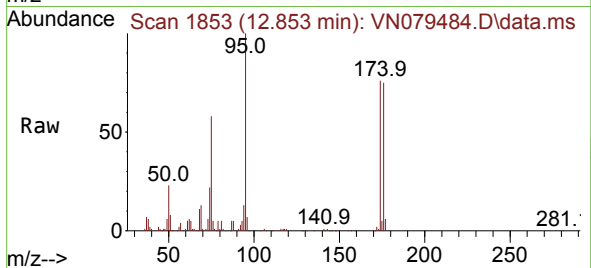




#62
4-Bromofluorobenzene
Concen: 47.059 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

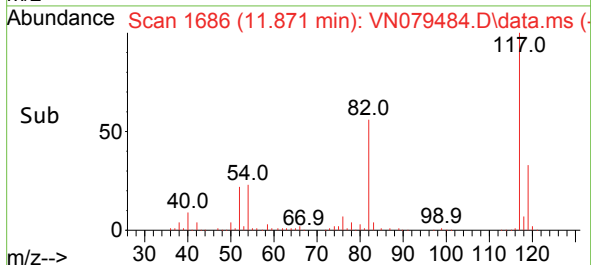
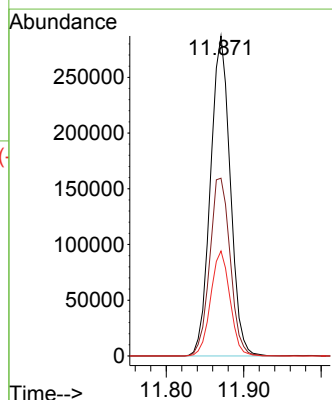
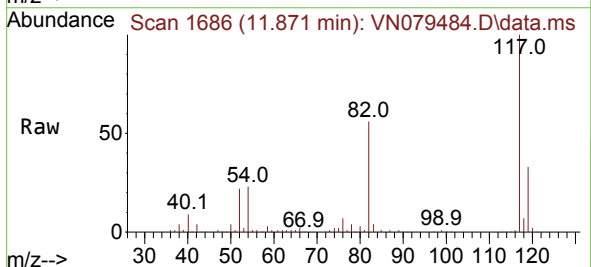
Instrument :
MSVOA_N
ClientSampleId :

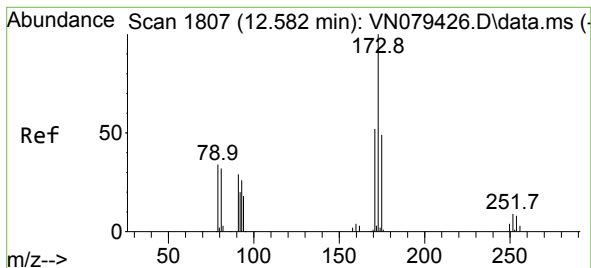
Tgt Ion: 95 Resp: 206510
Ion Ratio Lower Upper
95 100
174 77.4 0.0 143.8
176 72.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Tgt Ion: 117 Resp: 509095
Ion Ratio Lower Upper
117 100
82 55.6 44.0 66.0
119 32.8 25.6 38.4





#71

Bromoform

Concen: 0.625 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

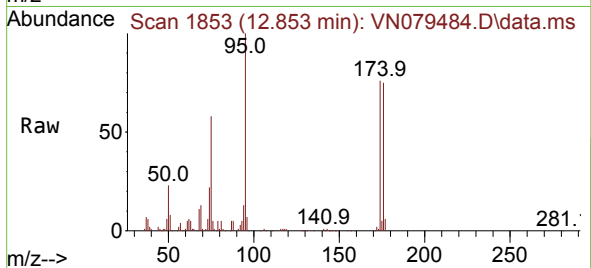
Lab File: VN079484.D

Acq: 10 Oct 2023 11:22

Instrument :

MSVOA_N

ClientSampleId :



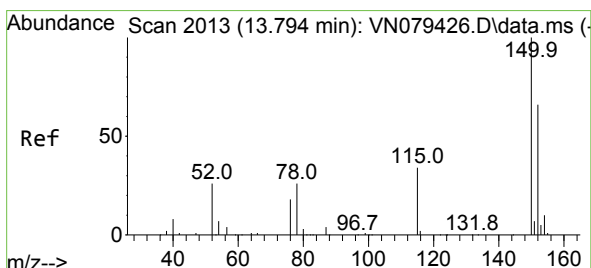
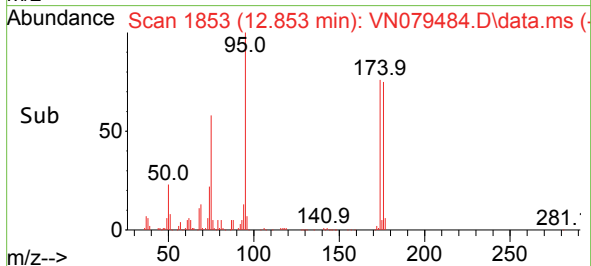
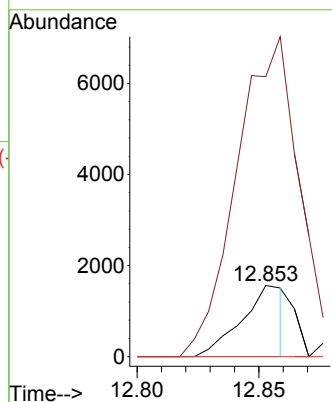
Tgt Ion:173 Resp: 1899

Ion Ratio Lower Upper

173 100

175 373.6 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# 2013

Delta R.T. 0.000 min

Lab File: VN079484.D

Acq: 10 Oct 2023 11:22

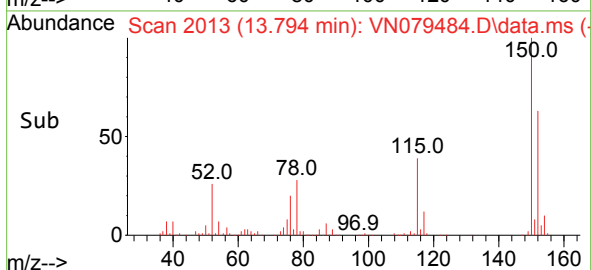
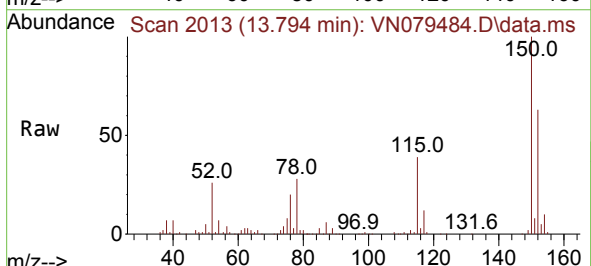
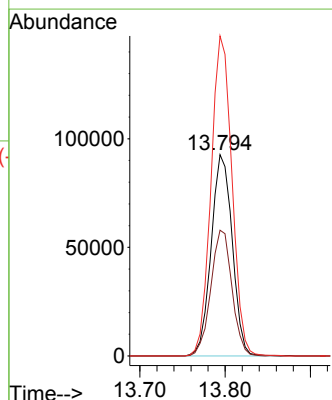
Tgt Ion:152 Resp: 159287

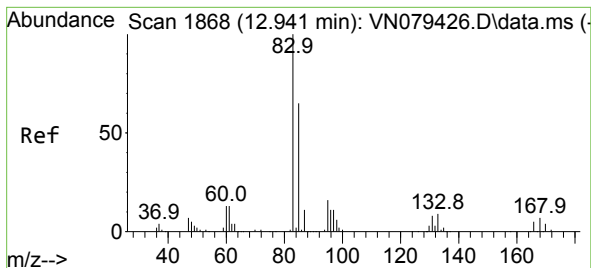
Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 157.7 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

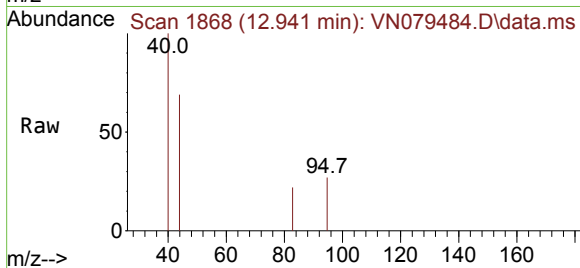
Lab File: VN079484.D

Acq: 10 Oct 2023 11:22

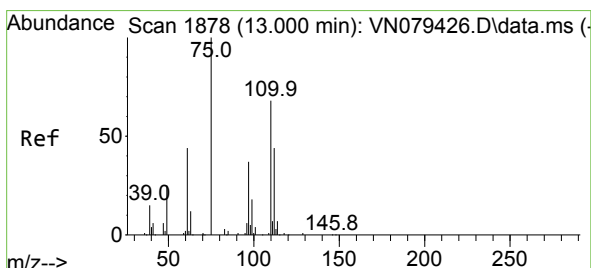
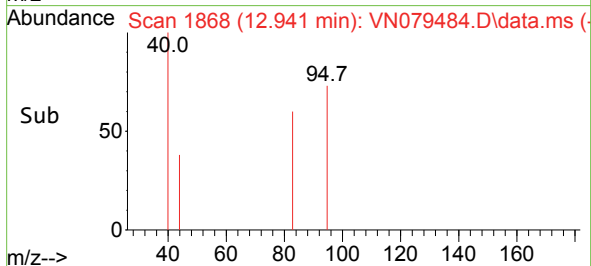
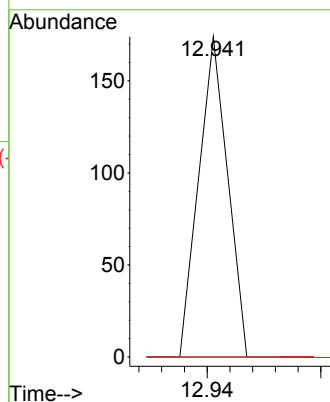
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	83	Resp:	61
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	31.9	95.7#



#76

1,2,3-Trichloropropane

Concen: 25.256 ug/l

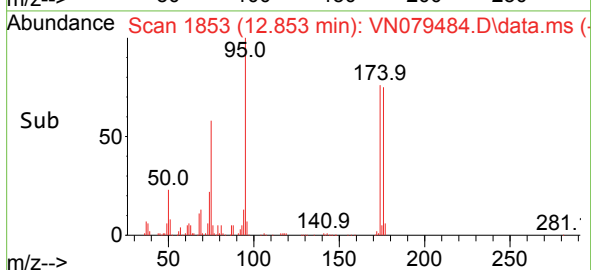
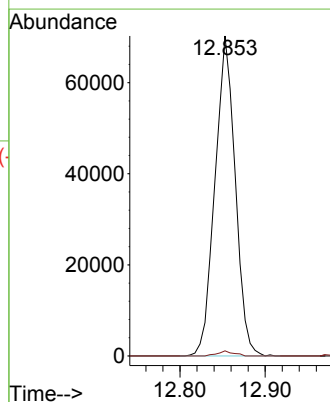
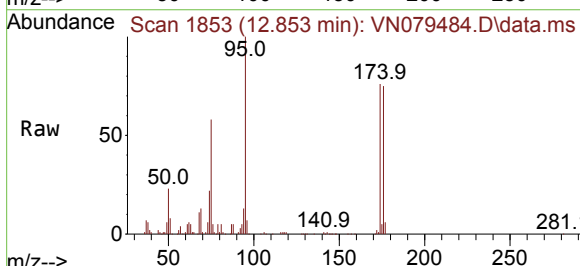
RT: 12.853 min Scan# 1853

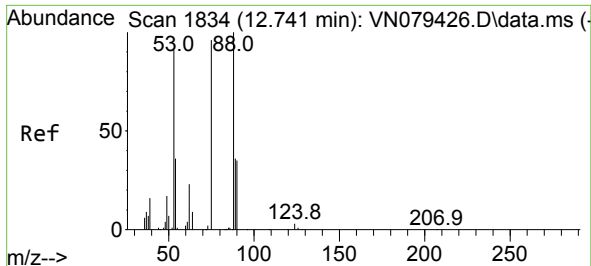
Delta R.T. -0.147 min

Lab File: VN079484.D

Acq: 10 Oct 2023 11:22

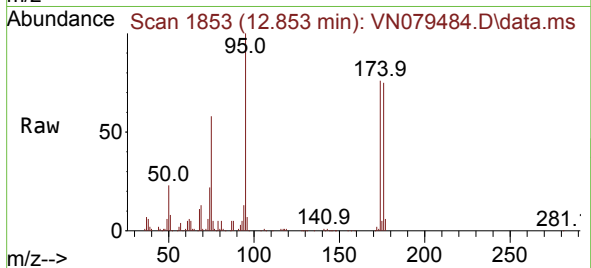
Tgt Ion:	75	Resp:	115994
Ion	Ratio	Lower	Upper
75	100		
77	1.3	84.5	253.5#



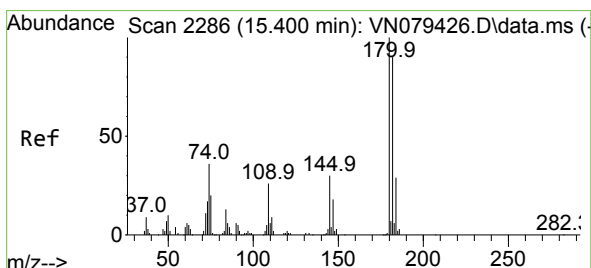
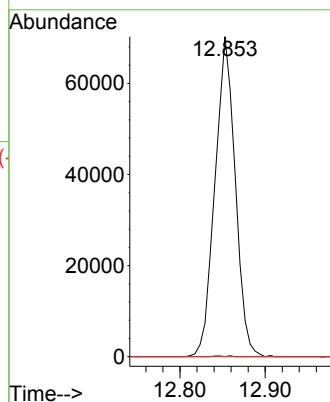
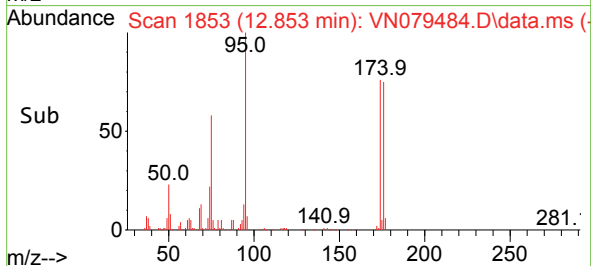


#81
trans-1,4-Dichloro-2-butene
Concen: 73.282 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

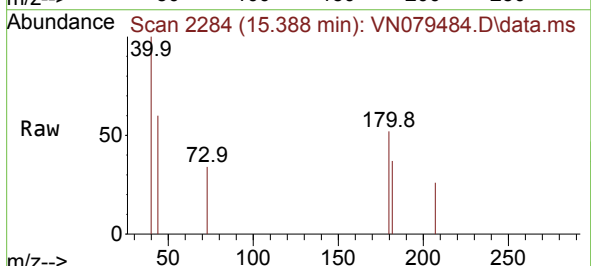
Instrument :
MSVOA_N
ClientSampleId :



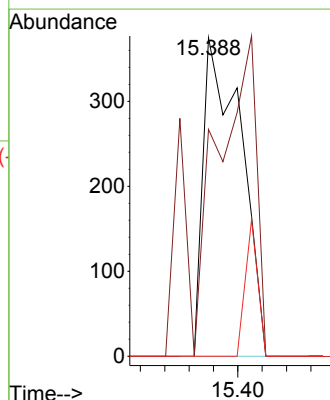
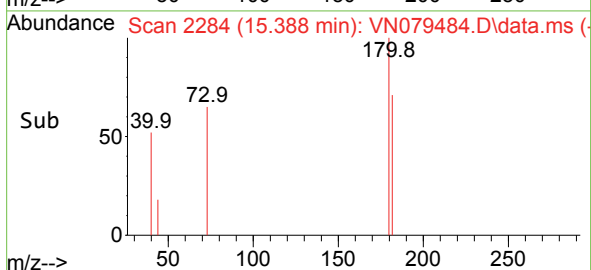
Tgt Ion: 75 Resp: 115994
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

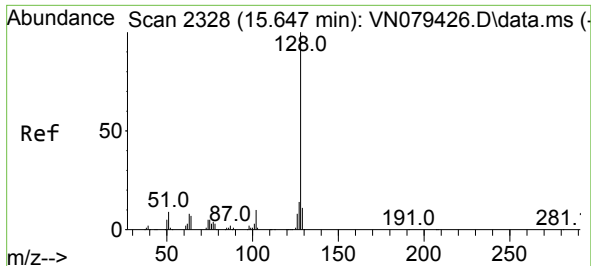


#93
1,2,4-Trichlorobenzene
Concen: 0.231 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.012 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22



Tgt Ion: 180 Resp: 402
Ion Ratio Lower Upper
180 100
182 24.6 46.1 138.2#
145 0.0 16.6 49.8#

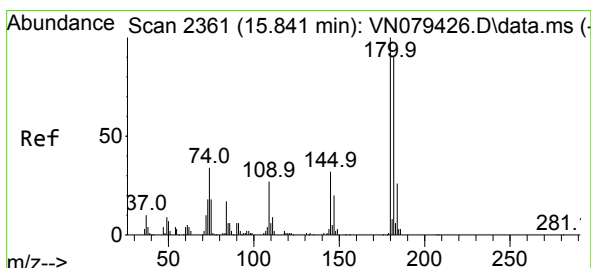
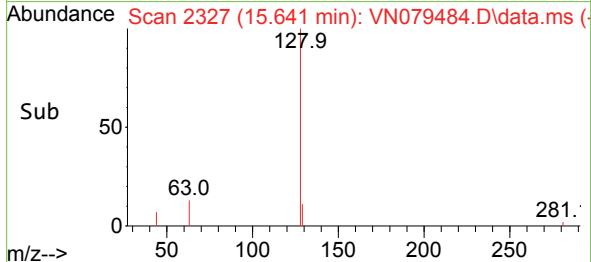
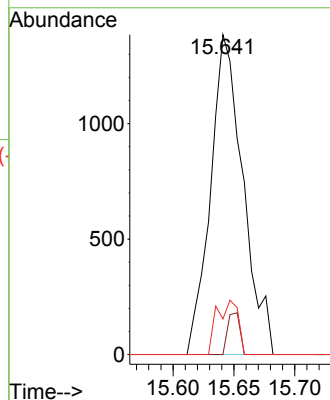
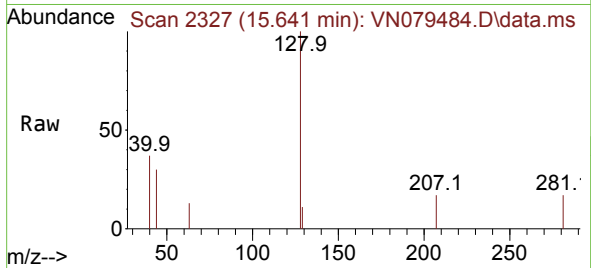




#95
Naphthalene
Concen: 0.484 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2571
Ion Ratio Lower Upper
128 100
127 4.9 10.0 15.0#
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.339 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN079484.D
Acq: 10 Oct 2023 11:22

Tgt Ion:180 Resp: 705
Ion Ratio Lower Upper
180 100
182 81.1 46.2 138.6
145 0.0 17.5 52.6#

