

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079586.D
 Acq On : 17 Oct 2023 17:09
 Operator : JC\MD
 Sample : 04894-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:32:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

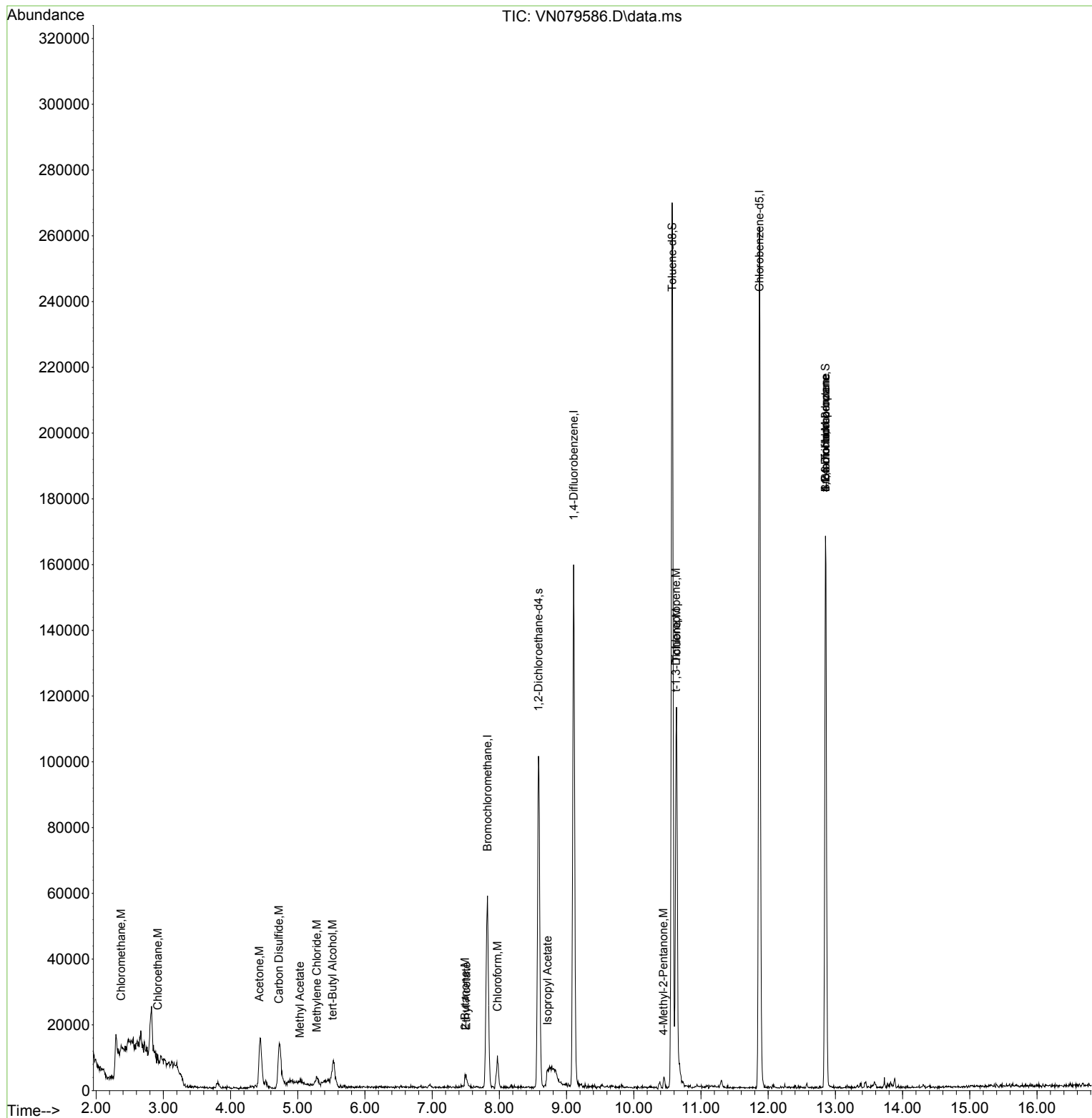
Internal Standards						
1) Bromochloromethane	7.824	128	19049	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	128308	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	150862	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	82814	30.577	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.933%
60) 4-Bromofluorobenzene	12.853	95	56792	20.585	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	68.633%
63) Toluene-d8	10.571	98	185507	28.696	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.667%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1326	0.370	ug/l #	43
6) Chloroethane	2.918	64	1315	0.483	ug/l	92
12) Methyl Acetate	5.030	43	1263	0.204	ug/l #	53
15) Acetone	4.430	58	3304	7.039	ug/l	94
16) Carbon Disulfide	4.718	76	1992	0.255	ug/l #	74
18) Methylene Chloride	5.283	84	735	0.233	ug/l #	59
23) tert-Butyl Alcohol	5.518	59	4957	10.004	ug/l #	100
25) Chloroform	7.971	83	8382	1.455	ug/l	93
30) 2-Butanone	7.488	43	2646	1.408	ug/l #	56
43) Ethyl Acetate	7.506	43	4923	1.393	ug/l #	64
44) Isopropyl Acetate	8.718	43	2796	0.445	ug/l #	83
48) t-1,3-Dichloropropene	10.629	75	844	0.204	ug/l #	28
56) Bromoform	12.853	173	379	0.205	ug/l #	1
58) 4-Methyl-2-Pentanone	10.441	43	2157	0.613	ug/l	91
62) Toluene	10.635	91	88702	7.693	ug/l	98
72) 1,2,3-Trichloropropane	12.853	75	31863	9.154	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	31863	29.993	ug/l #	8

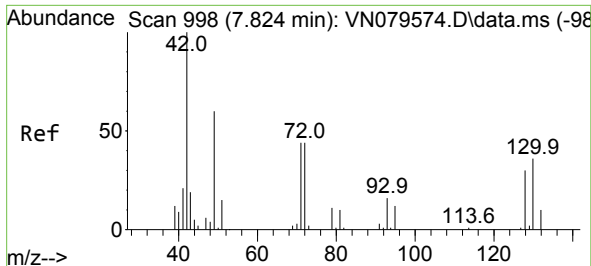
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
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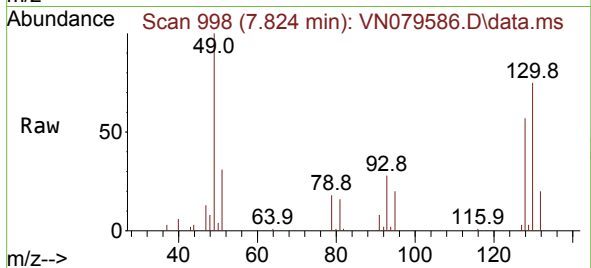
Quant Time: Oct 18 02:32:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



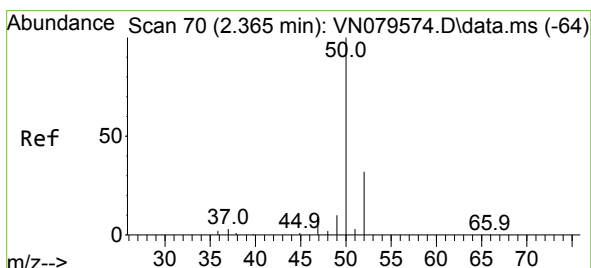
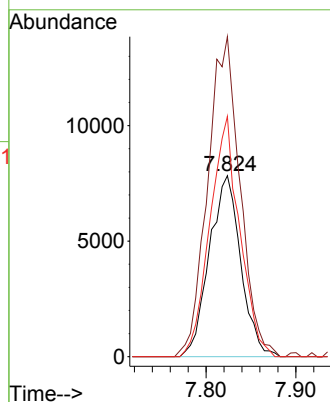
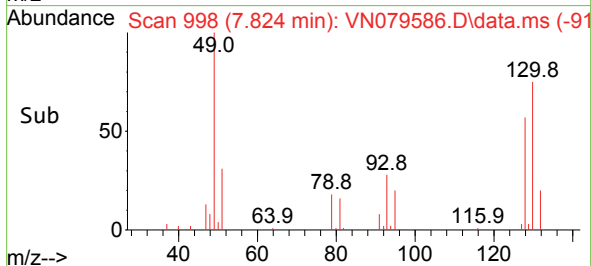


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

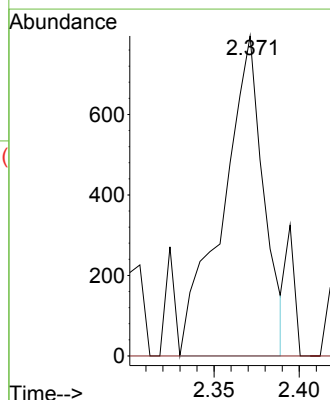
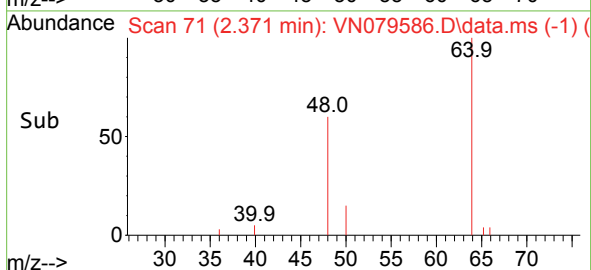
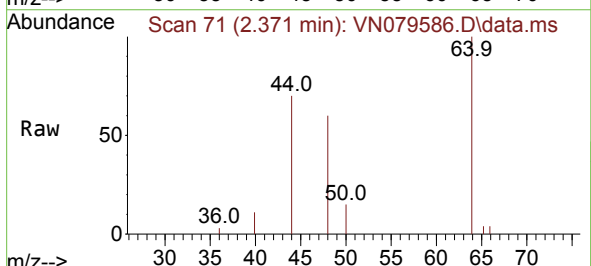


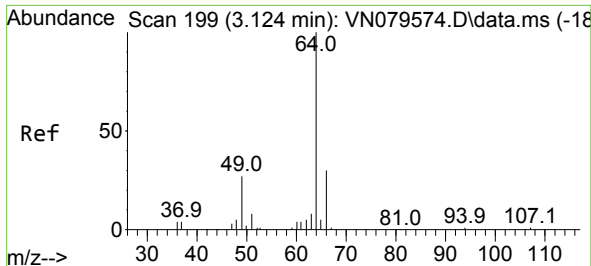
Tgt Ion:128 Resp: 19049
Ion Ratio Lower Upper
128 100
49 182.0 0.0 468.5
130 126.1 0.0 320.7



#3
Chloromethane
Concen: 0.370 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Tgt Ion: 50 Resp: 1326
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4

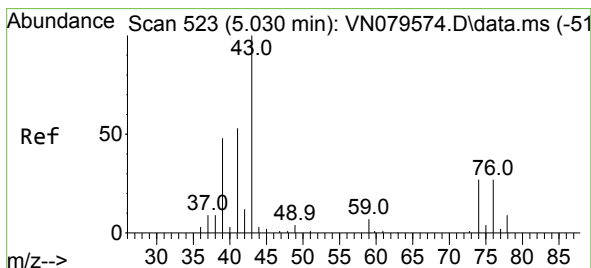
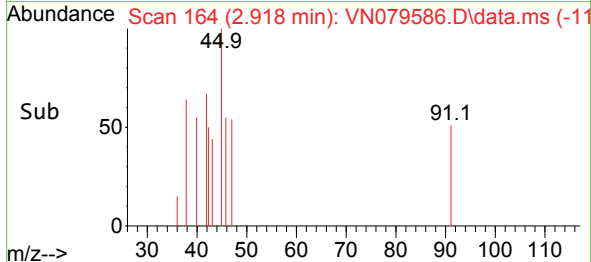
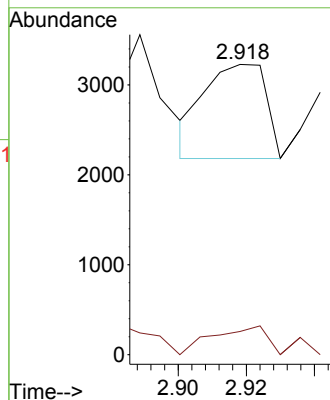
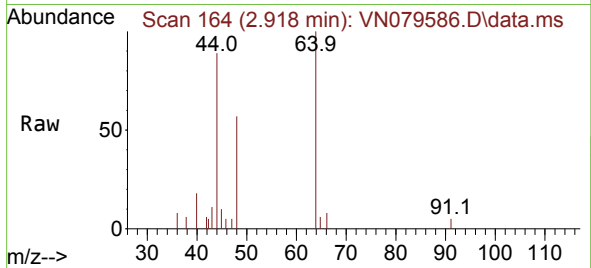




#6
Chloroethane
Concen: 0.483 ug/l
RT: 2.918 min Scan# 1
Delta R.T. -0.206 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

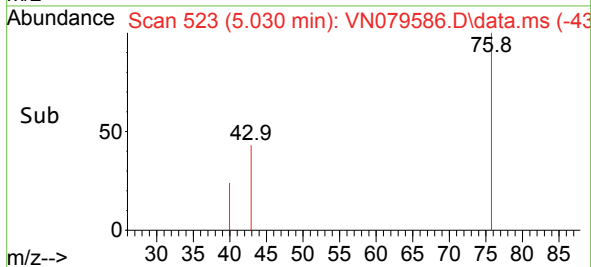
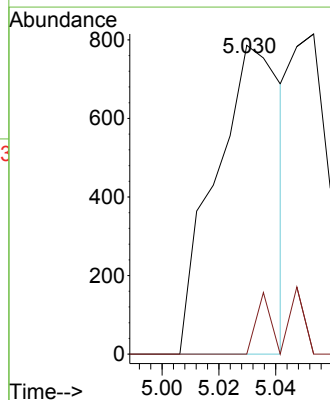
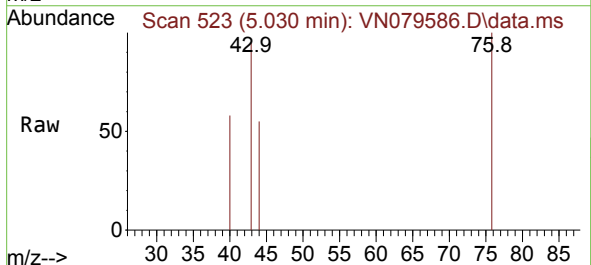
Instrument :
MSVOA_N
ClientSampleId :

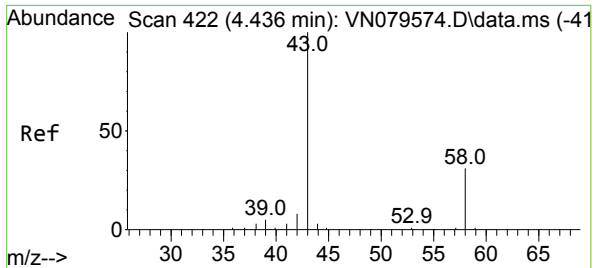
Tgt Ion: 64 Resp: 1315
Ion Ratio Lower Upper
64 100
66 24.7 23.3 34.9



#12
Methyl Acetate
Concen: 0.204 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Tgt Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
74 0.0 18.1 27.1#





#15

Acetone

Concen: 7.039 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079586.D

Acq: 17 Oct 2023 17:09

Instrument :

MSVOA_N

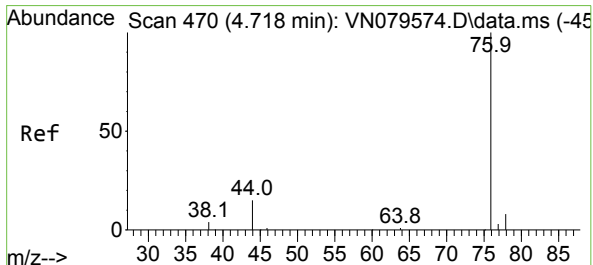
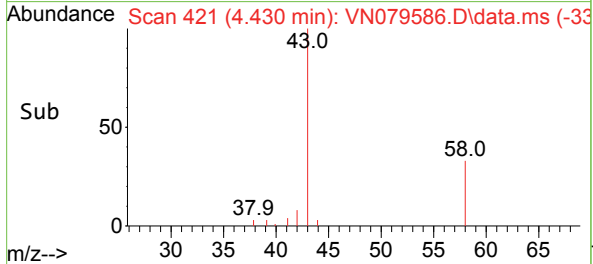
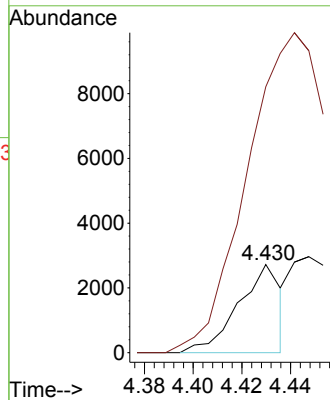
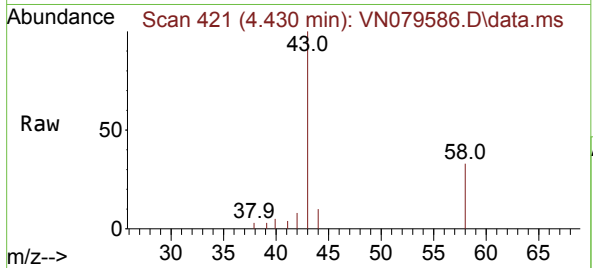
ClientSampleId :

Tgt Ion: 58 Resp: 3304

Ion Ratio Lower Upper

58 100

43 293.1 225.2 337.8



#16

Carbon Disulfide

Concen: 0.255 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.000 min

Lab File: VN079586.D

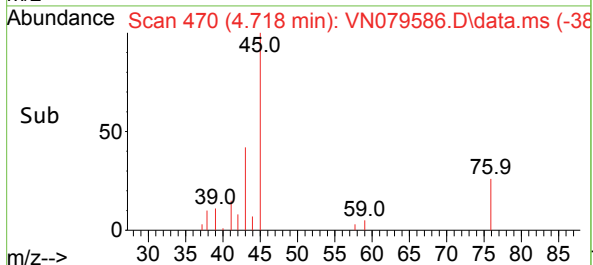
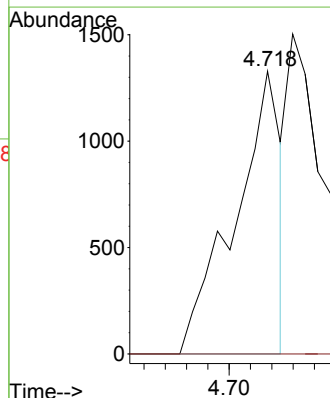
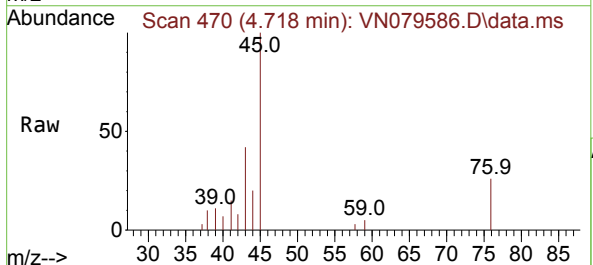
Acq: 17 Oct 2023 17:09

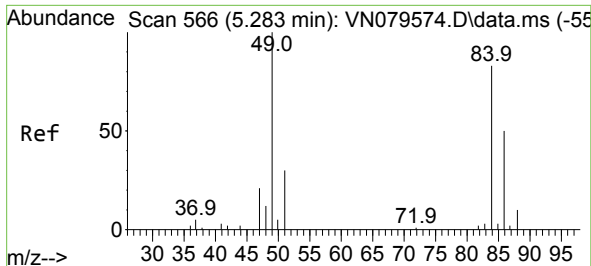
Tgt Ion: 76 Resp: 1992

Ion Ratio Lower Upper

76 100

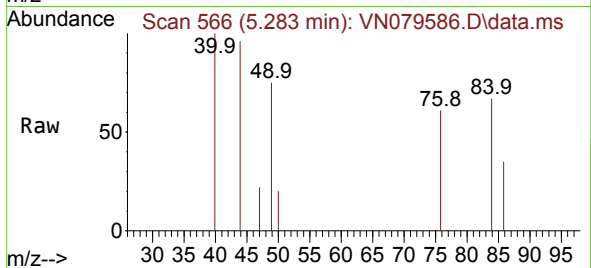
78 0.0 7.5 11.3#





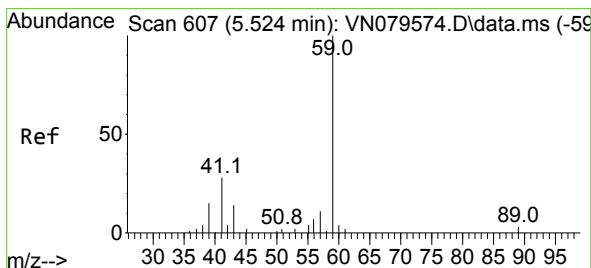
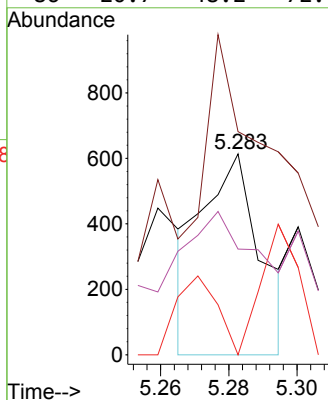
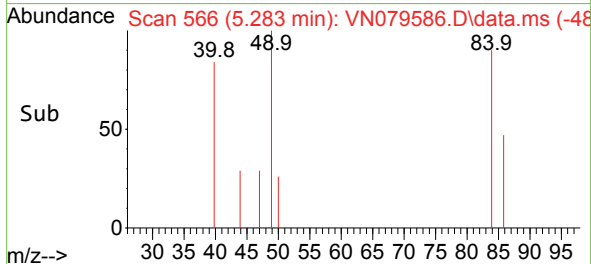
#18
Methylene Chloride
Concen: 0.233 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 735

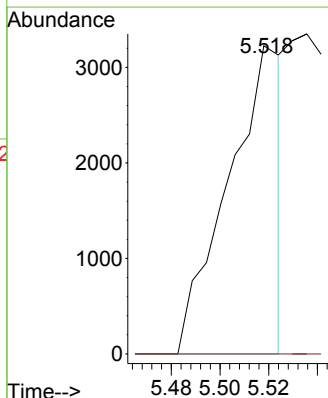
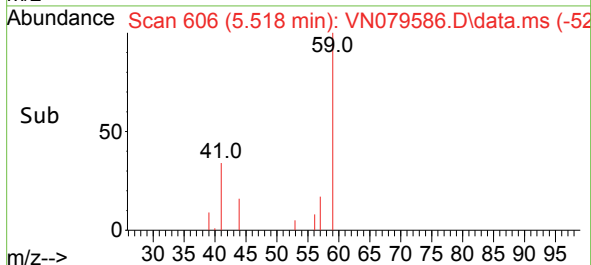
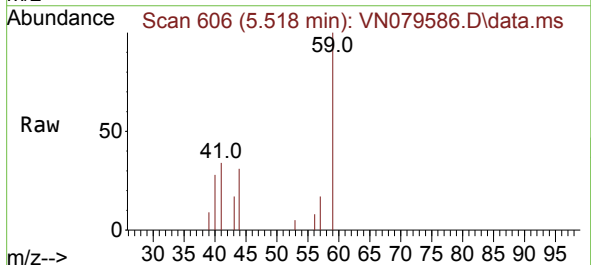
Ion	Ratio	Lower	Upper
84	100		
49	92.9	100.9	151.3#
51	0.0	29.4	44.2#
86	20.7	48.2	72.4#

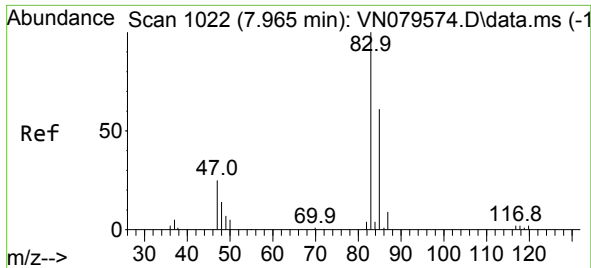


#23
tert-Butyl Alcohol
Concen: 10.004 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Tgt Ion: 59 Resp: 4957

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

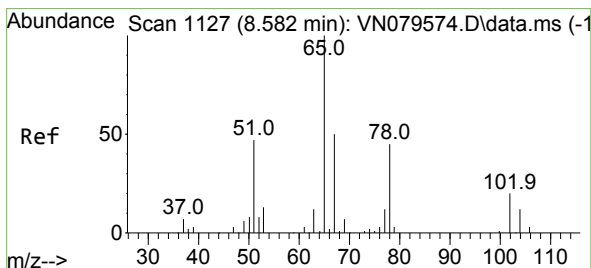
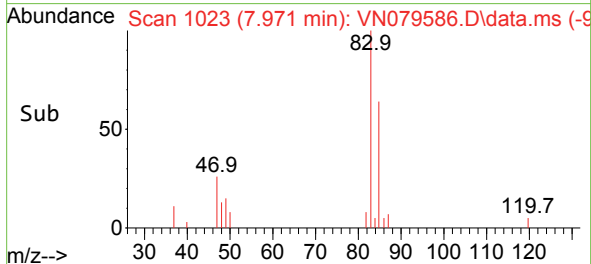
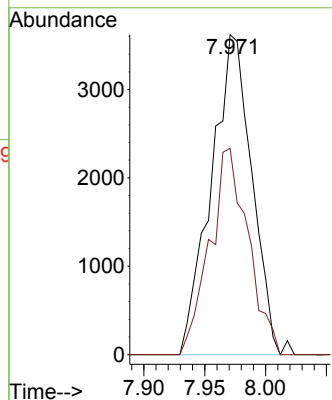
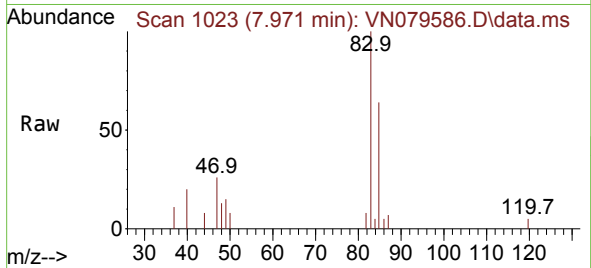




#25
Chloroform
Concen: 1.455 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

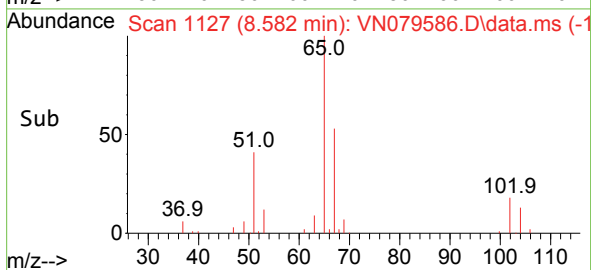
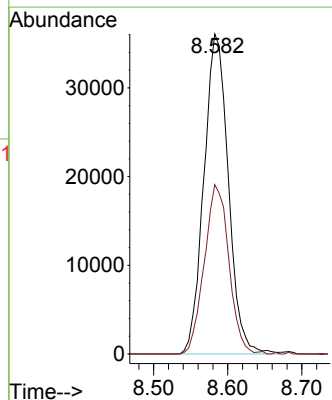
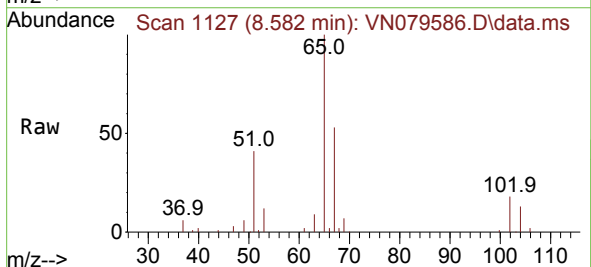
Instrument :
MSVOA_N
ClientSampleId :

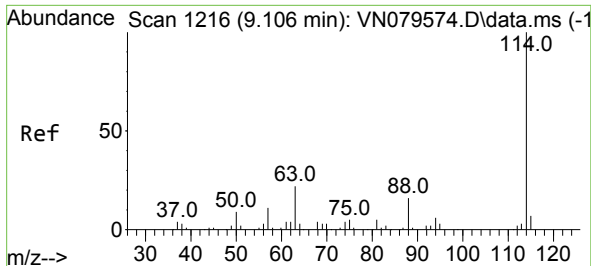
Tgt Ion: 83 Resp: 8382
Ion Ratio Lower Upper
83 100
85 64.5 47.4 71.2



#27
1,2-Dichloroethane-d4
Concen: 30.577 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Tgt Ion: 65 Resp: 82814
Ion Ratio Lower Upper
65 100
67 52.9 42.1 63.1

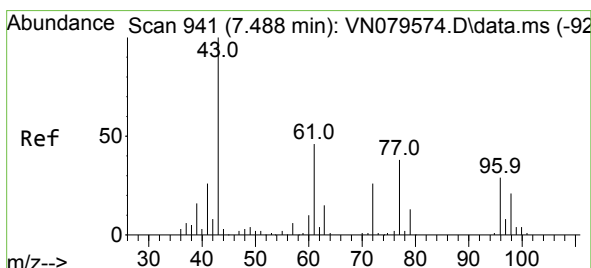
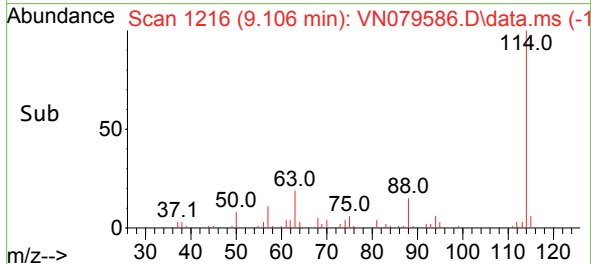
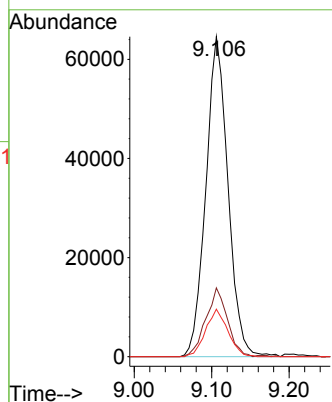
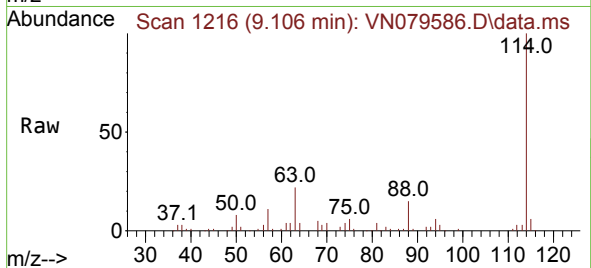




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

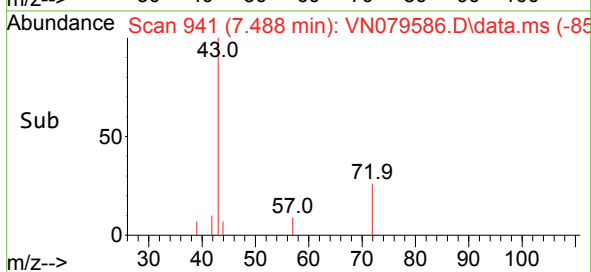
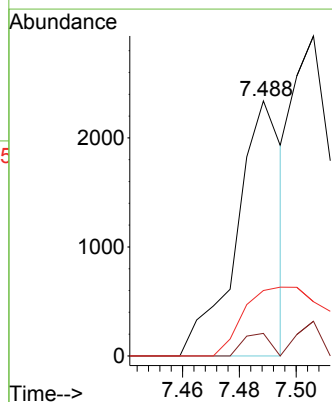
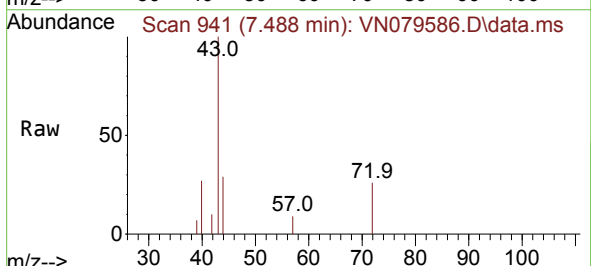
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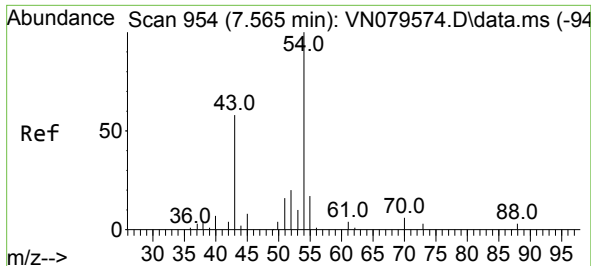
Tgt Ion:114 Resp: 128308
Ion Ratio Lower Upper
114 100
63 20.9 18.1 27.1
88 14.8 12.2 18.2



#30
2-Butanone
Concen: 1.408 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

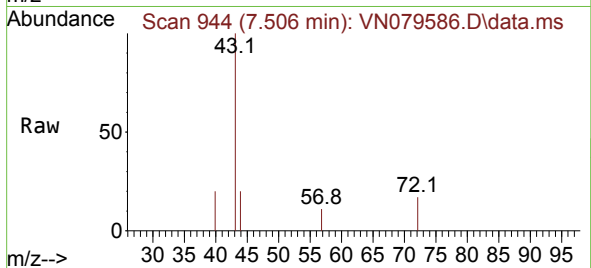
Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
57 5.2 6.4 9.6#
72 53.8 20.7 31.1#



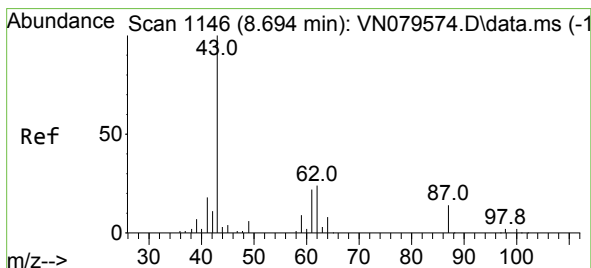
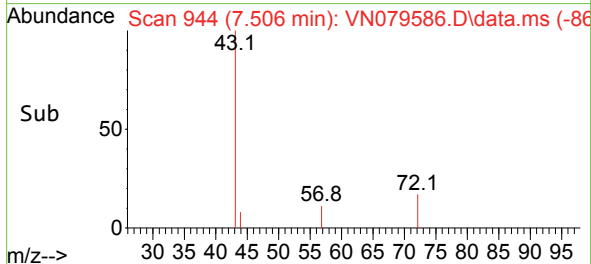
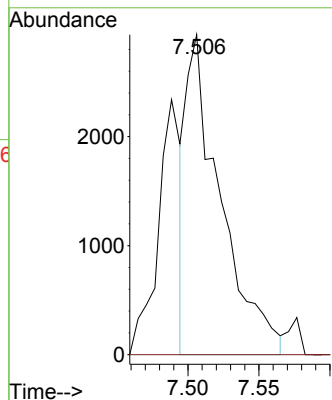


#43
Ethyl Acetate
Concen: 1.393 ug/l
RT: 7.506 min Scan# 94
Delta R.T. -0.059 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

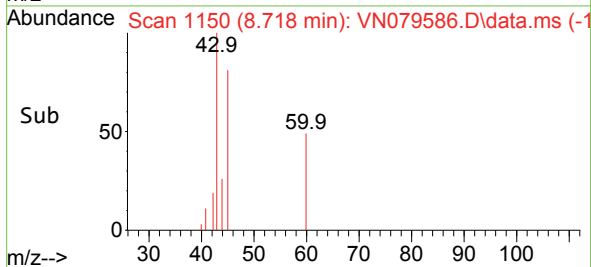
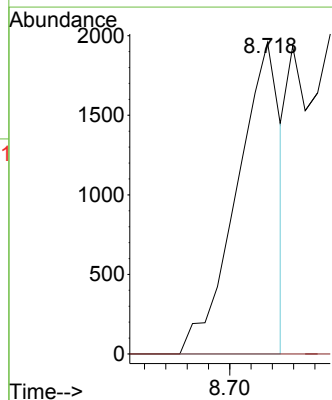
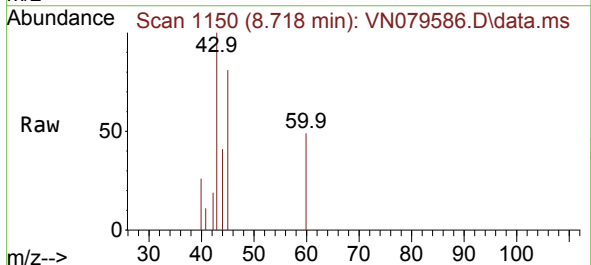


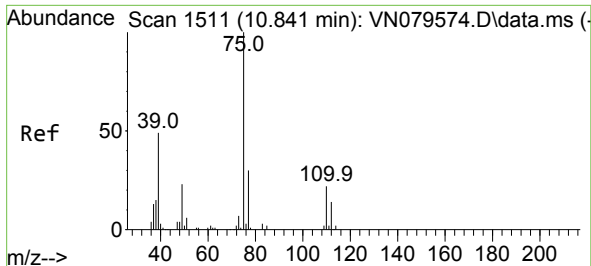
Tgt Ion: 43 Resp: 4923
Ion Ratio Lower Upper
43 100
45 0.0 11.8 17.8#



#44
Isopropyl Acetate
Concen: 0.445 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Tgt Ion: 43 Resp: 2796
Ion Ratio Lower Upper
43 100
61 16.9 20.3 30.5#

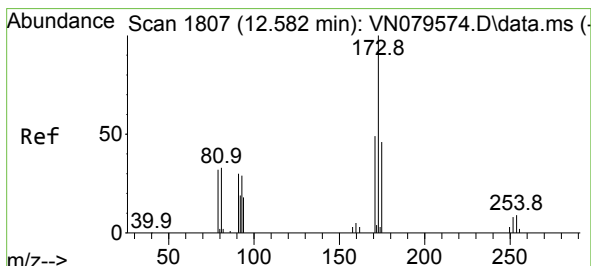
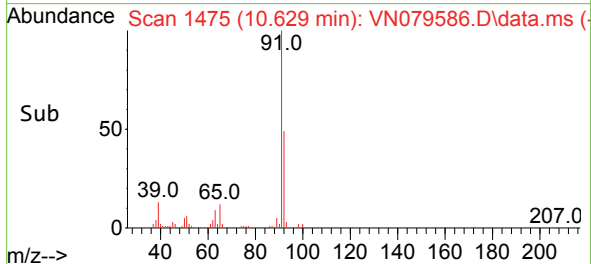
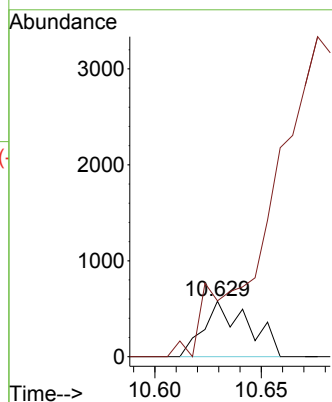
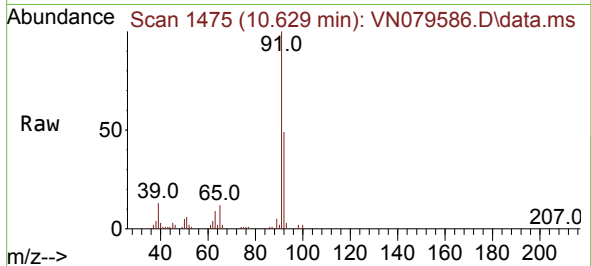




#48
t-1,3-Dichloropropene
Concen: 0.204 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.212 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

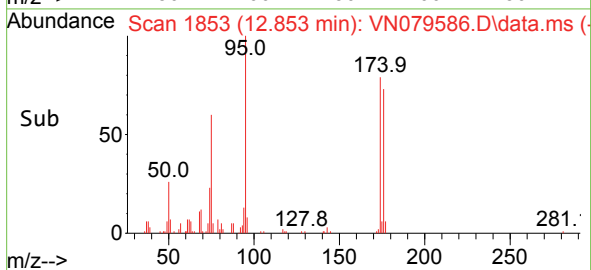
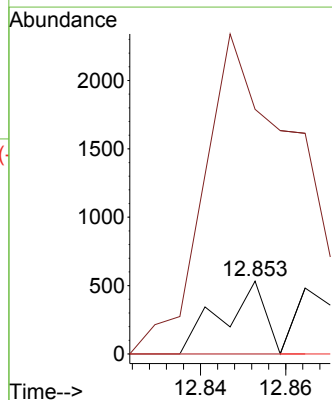
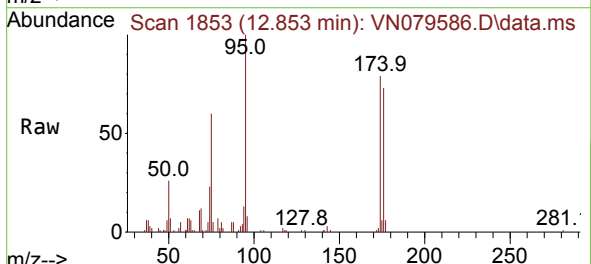
Instrument :
MSVOA_N
ClientSampleId :

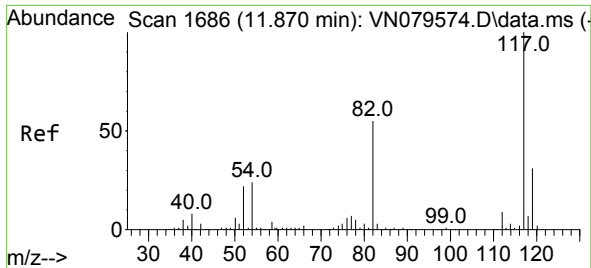
Tgt Ion: 75 Resp: 844
Ion Ratio Lower Upper
75 100
77 72.4 25.6 38.4#



#56
Bromoform
Concen: 0.205 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Tgt Ion:173 Resp: 379
Ion Ratio Lower Upper
173 100
175 703.7 37.9 56.9#
254 0.0 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079586.D

Acq: 17 Oct 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

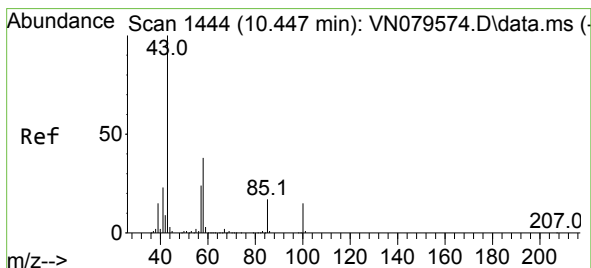
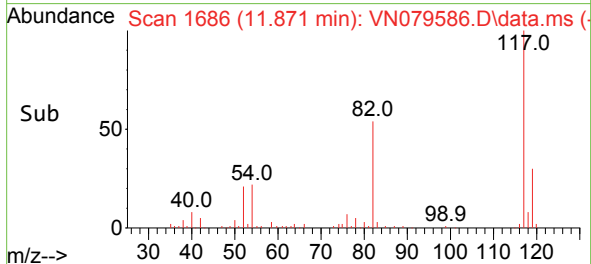
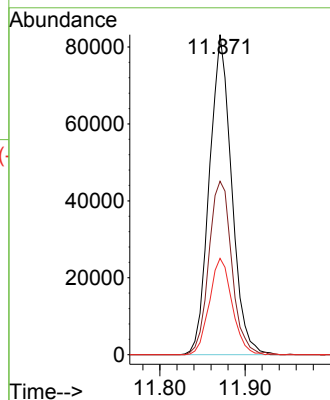
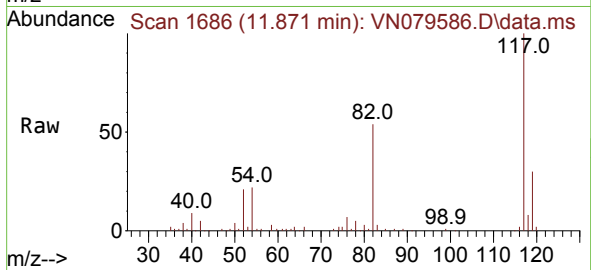
Tgt Ion:117 Resp: 150862

Ion Ratio Lower Upper

117 100

82 56.0 46.2 69.2

119 30.8 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 0.613 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN079586.D

Acq: 17 Oct 2023 17:09

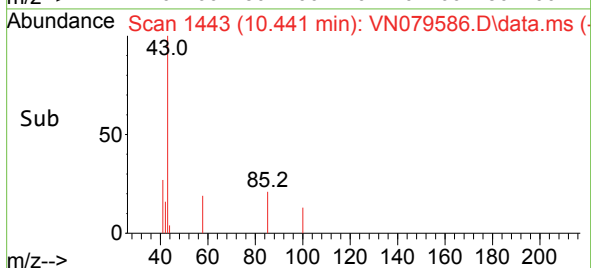
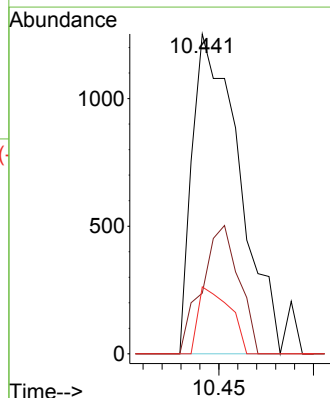
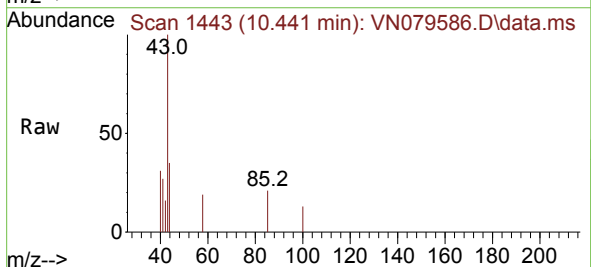
Tgt Ion: 43 Resp: 2157

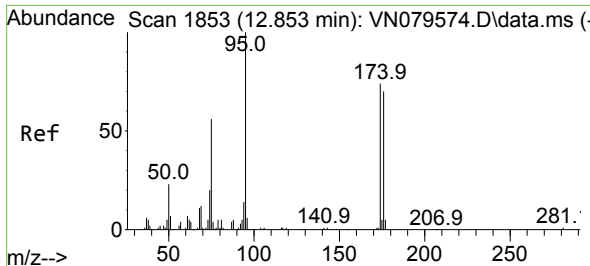
Ion Ratio Lower Upper

43 100

58 31.6 30.4 45.6

85 14.0 13.2 19.8

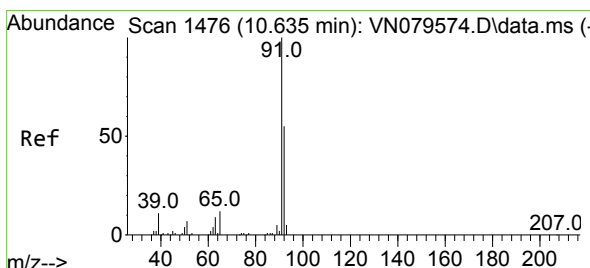
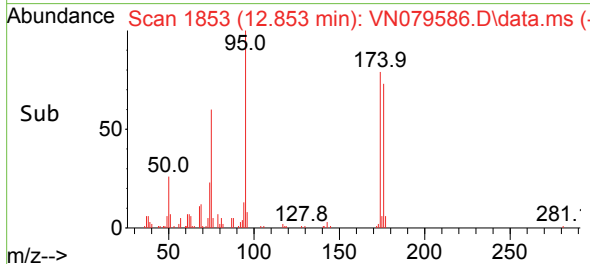
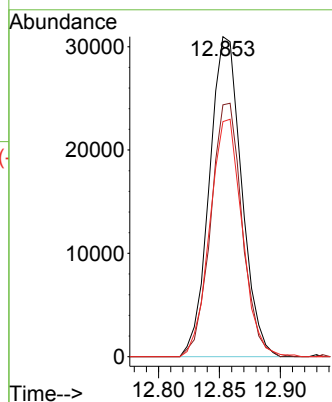
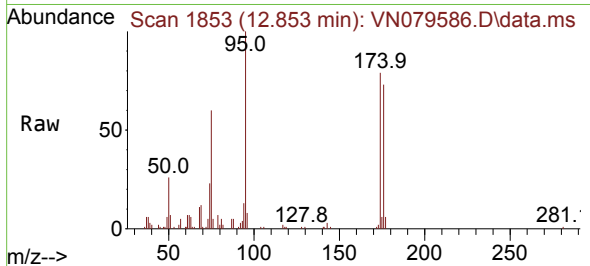




#60
4-Bromofluorobenzene
Concen: 20.585 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

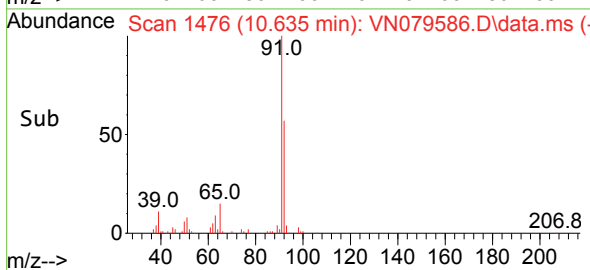
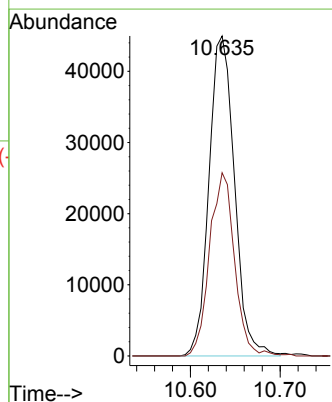
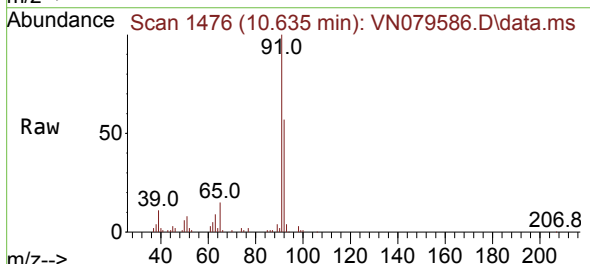
Instrument :
MSVOA_N
ClientSampleId :

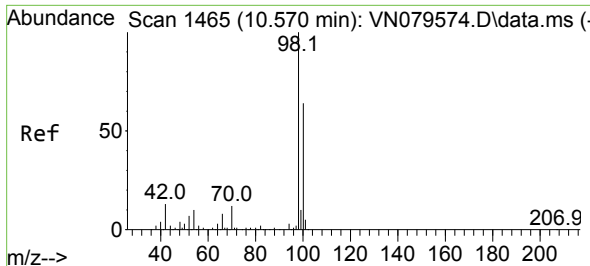
Tgt Ion: 95 Resp: 56792
Ion Ratio Lower Upper
95 100
174 77.1 60.5 90.7
176 74.6 57.2 85.8



#62
Toluene
Concen: 7.693 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

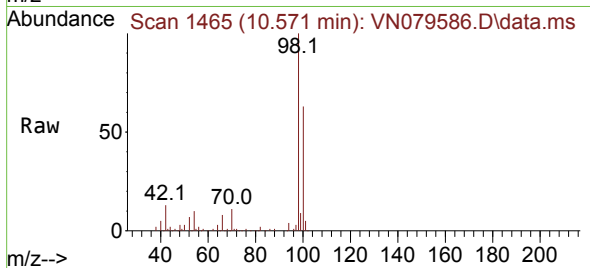
Tgt Ion: 91 Resp: 88702
Ion Ratio Lower Upper
91 100
92 55.3 45.3 67.9



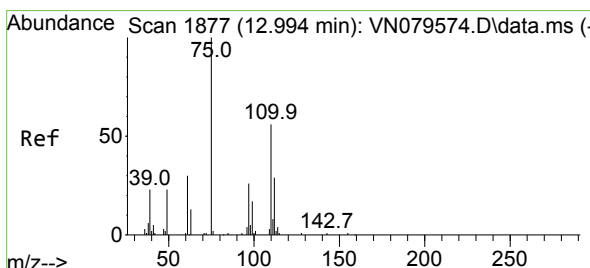
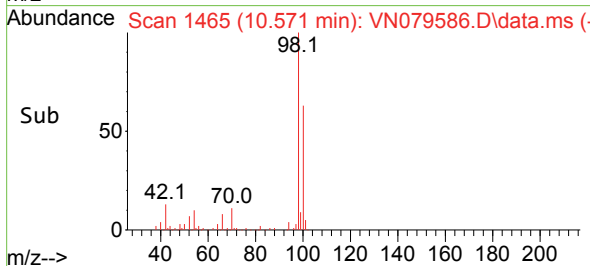
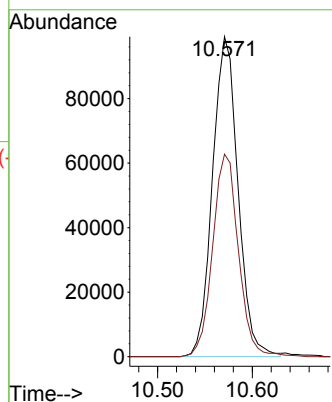


#63
Toluene-d8
Concen: 28.696 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

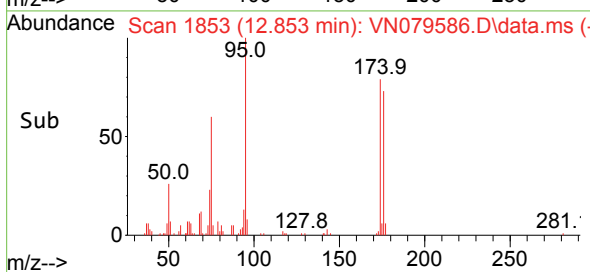
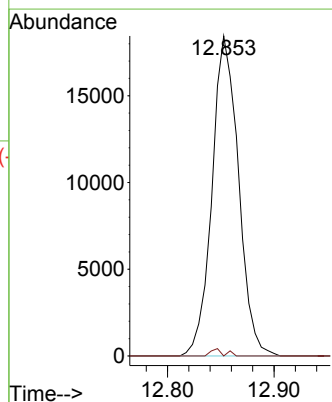
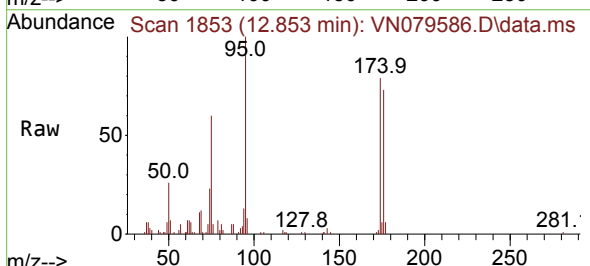


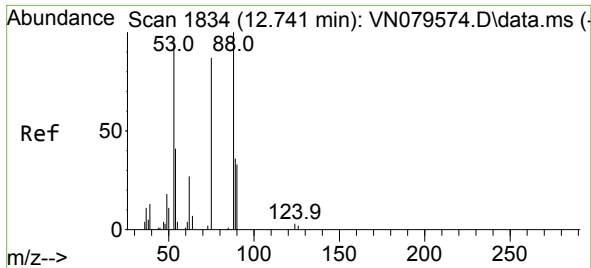
Tgt Ion: 98 Resp: 185507
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 9.154 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079586.D
Acq: 17 Oct 2023 17:09

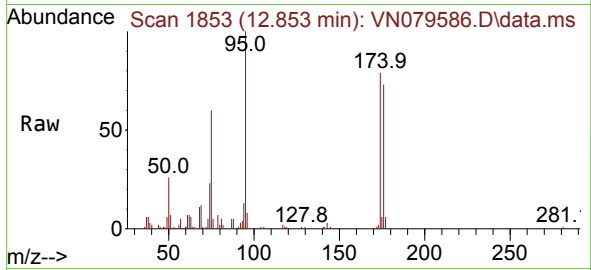
Tgt Ion: 75 Resp: 31863
Ion Ratio Lower Upper
75 100
77 0.3 0.0 338.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 29.993 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079586.D
 Acq: 17 Oct 2023 17:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 31863
 Ion Ratio Lower Upper
 75 100
 53 1.0 53.0 159.1#
 89 0.0 22.6 67.7#

