

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079588.D
 Acq On : 17 Oct 2023 17:57
 Operator : JC\MD
 Sample : 04913-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:33:19 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)

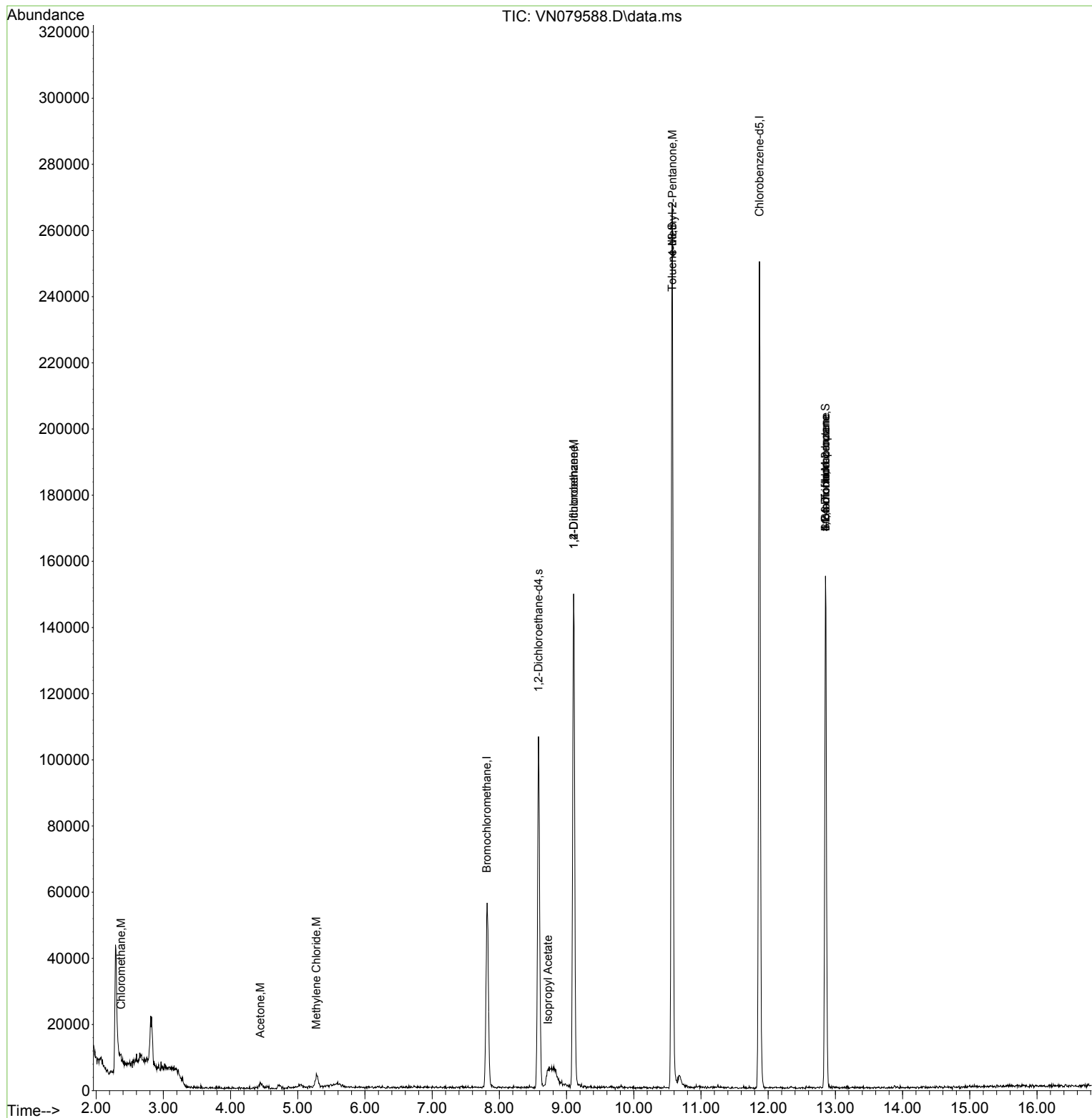
Internal Standards						
1) Bromochloromethane	7.812	128	11851	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	126567	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	144124	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	82180	48.773	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 162.567%#	
60) 4-Bromofluorobenzene	12.853	95	52572	19.947	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 66.500%	
63) Toluene-d8	10.571	98	178550	28.911	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 96.367%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1290	0.579	ug/l #	43
15) Acetone	4.442	58	299	1.024	ug/l #	1
18) Methylene Chloride	5.277	84	2559	1.302	ug/l #	63
36) 1,2-Dichloroethane	9.106	62	5290	1.318	ug/l #	75
44) Isopropyl Acetate	8.724	43	1352	0.218	ug/l #	50
56) Bromoform	12.853	173	553	0.303	ug/l #	1
58) 4-Methyl-2-Pentanone	10.576	43	967	0.288	ug/l #	10
72) 1,2,3-Trichloropropane	12.853	75	29533	8.881	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	29533	29.100	ug/l #	7

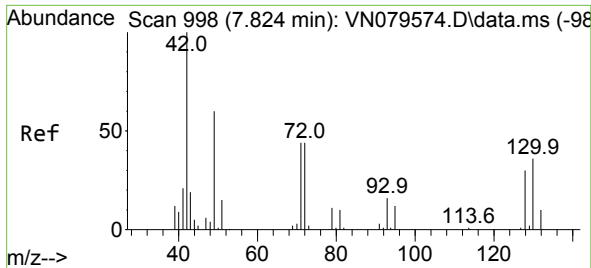
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079588.D
Acq On : 17 Oct 2023 17:57
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ALS Vial : 20 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :

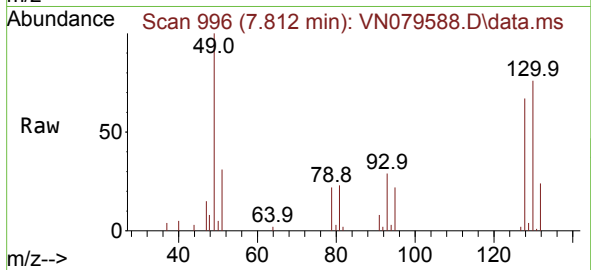
Quant Time: Oct 18 02:33:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



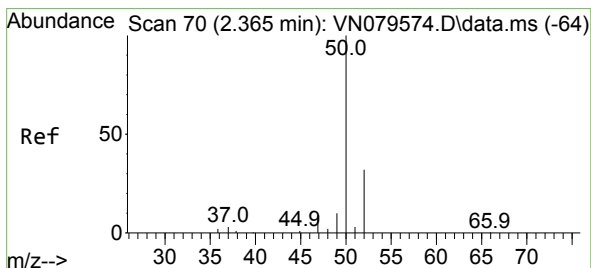
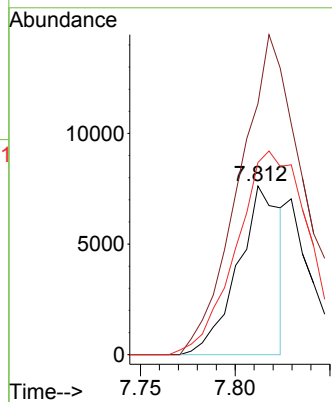
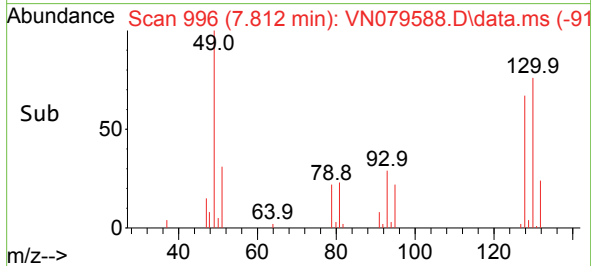


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN079588.D
Acq: 17 Oct 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :

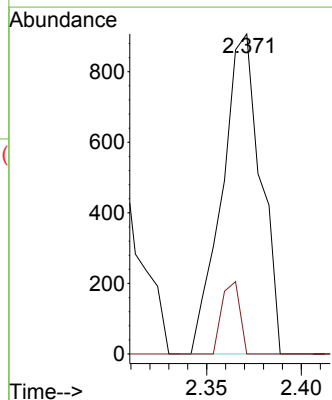
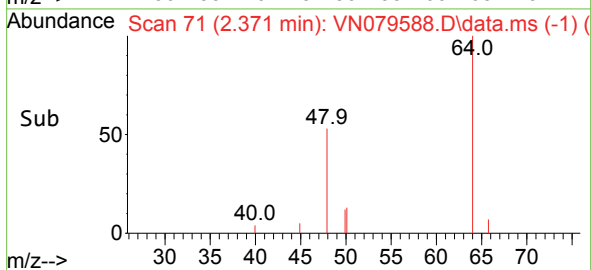
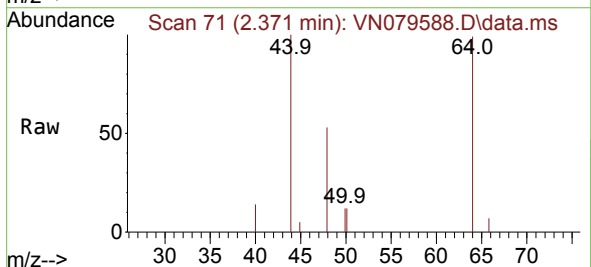


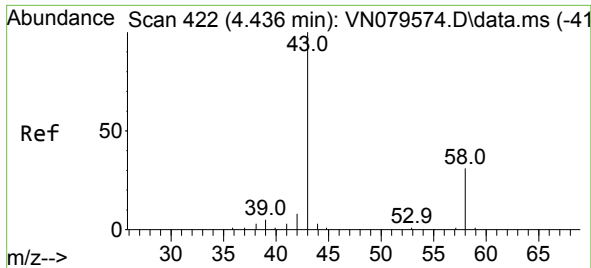
Tgt Ion:128 Resp: 11851
Ion Ratio Lower Upper
128 100
49 292.5 0.0 468.5
130 208.0 0.0 320.7



#3
Chloromethane
Concen: 0.579 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079588.D
Acq: 17 Oct 2023 17:57

Tgt Ion: 50 Resp: 1290
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#





#15

Acetone

Concen: 1.024 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN079588.D

Acq: 17 Oct 2023 17:57

Instrument :

MSVOA_N

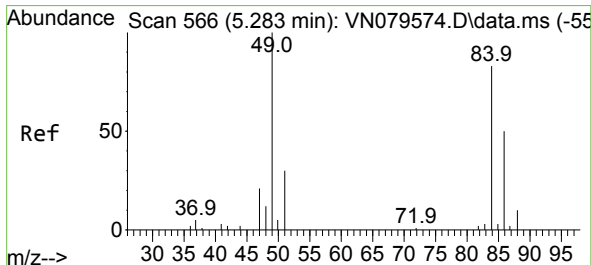
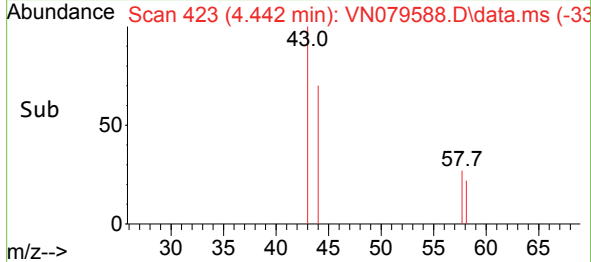
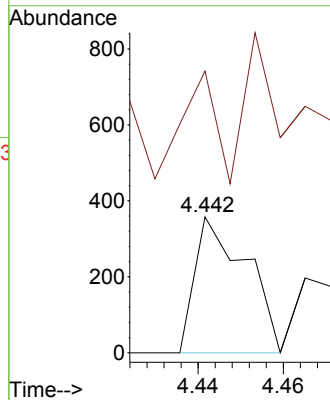
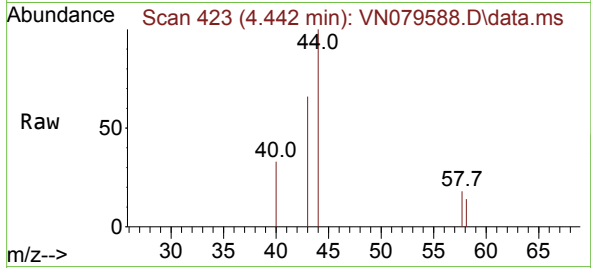
ClientSampleId :

Tgt Ion: 58 Resp: 299

Ion Ratio Lower Upper

58 100

43 49.2 225.2 337.8#



#18

Methylene Chloride

Concen: 1.302 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079588.D

Acq: 17 Oct 2023 17:57

Tgt Ion: 84 Resp: 2559

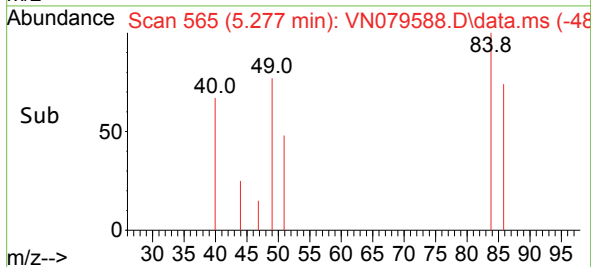
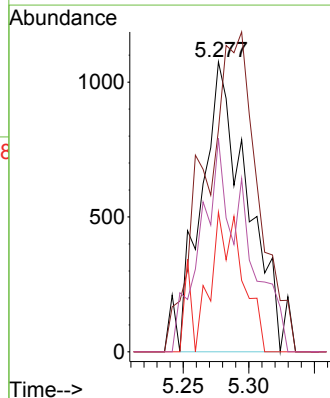
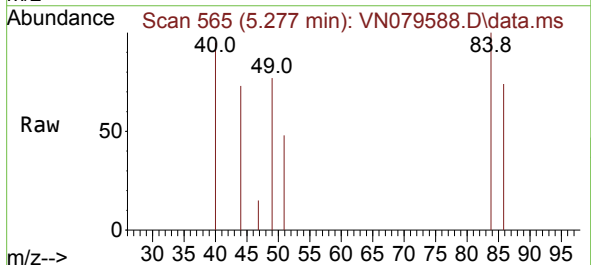
Ion Ratio Lower Upper

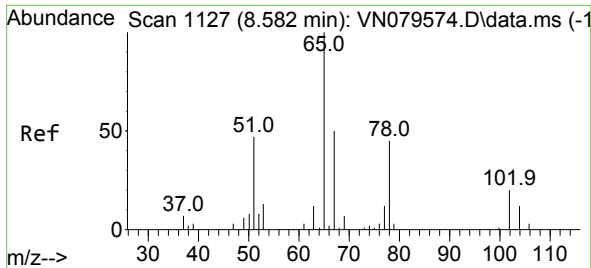
84 100

49 59.1 100.9 151.3#

51 48.2 29.4 44.2#

86 58.1 48.2 72.4

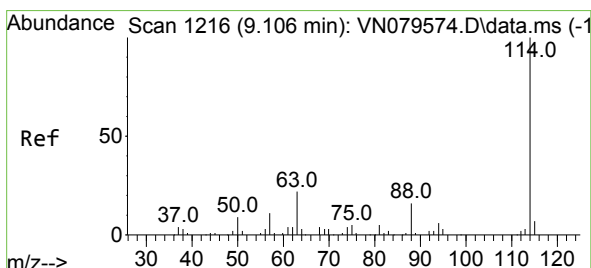
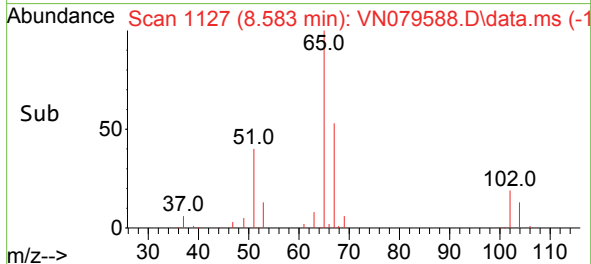
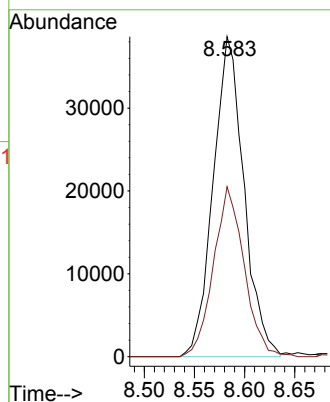
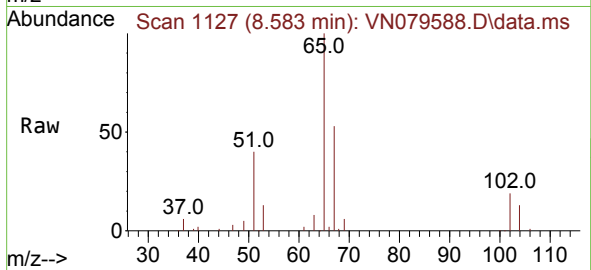




#27
 1,2-Dichloroethane-d4
 Concen: 48.773 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN079588.D
 Acq: 17 Oct 2023 17:57

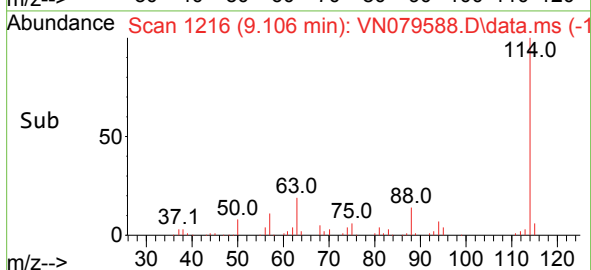
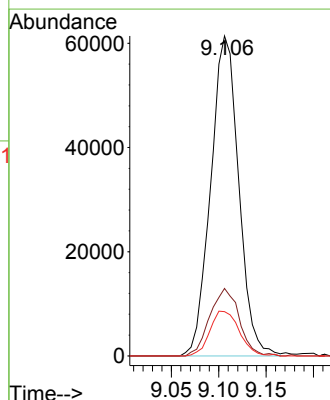
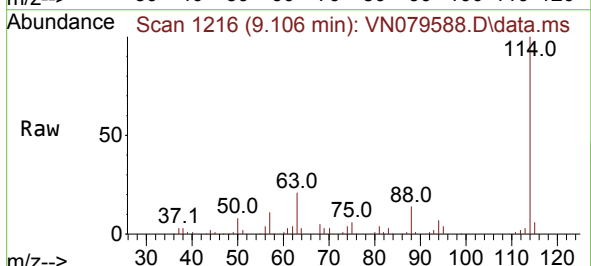
Instrument :
 MSVOA_N
 ClientSampleId :

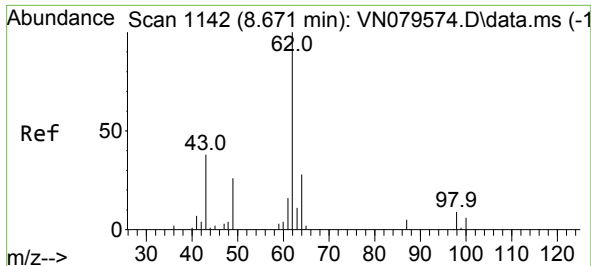
Tgt Ion: 65 Resp: 82180
 Ion Ratio Lower Upper
 65 100
 67 53.0 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN079588.D
 Acq: 17 Oct 2023 17:57

Tgt Ion: 114 Resp: 126567
 Ion Ratio Lower Upper
 114 100
 63 22.0 18.1 27.1
 88 14.7 12.2 18.2





#36

1,2-Dichloroethane

Concen: 1.318 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.435 min

Lab File: VN079588.D

Acq: 17 Oct 2023 17:57

Instrument :

MSVOA_N

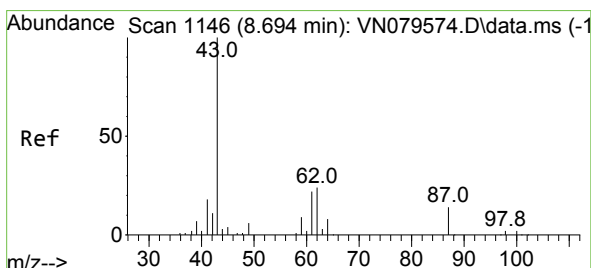
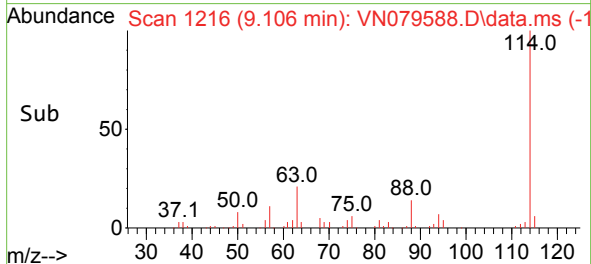
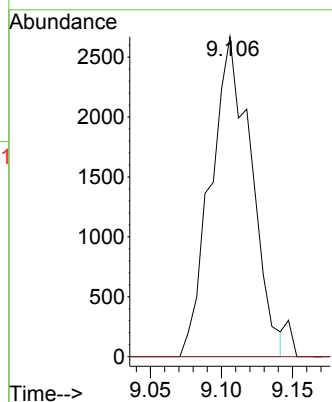
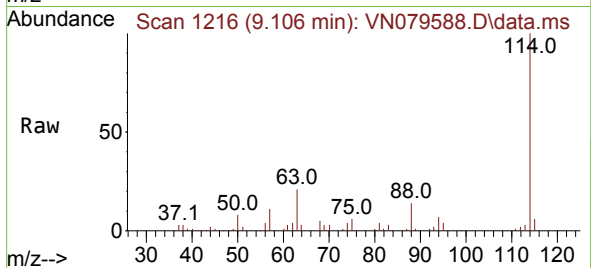
ClientSampleId :

Tgt Ion: 62 Resp: 5290

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#44

Isopropyl Acetate

Concen: 0.218 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.030 min

Lab File: VN079588.D

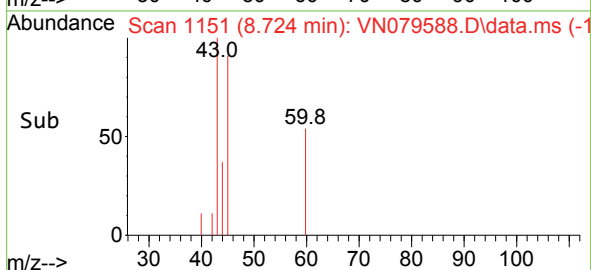
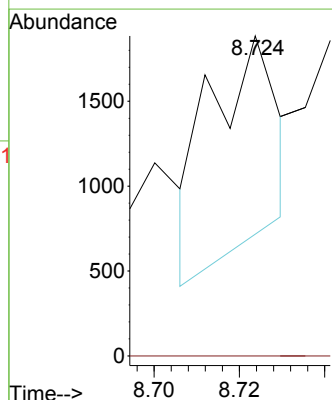
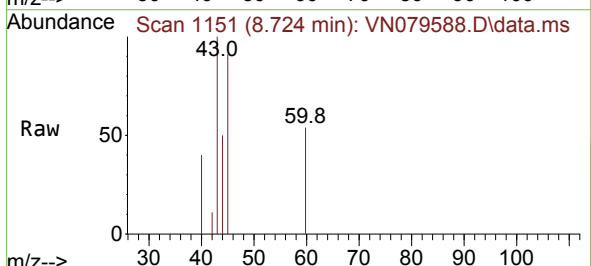
Acq: 17 Oct 2023 17:57

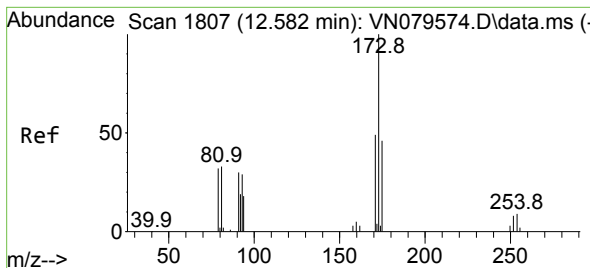
Tgt Ion: 43 Resp: 1352

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#





#56

Bromoform

Concen: 0.303 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

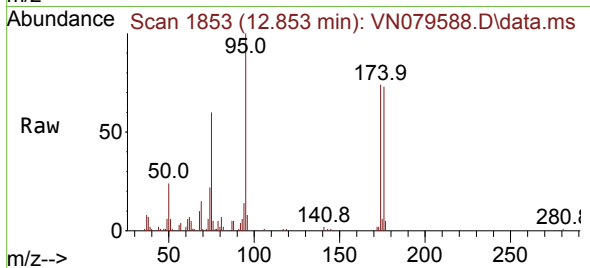
Lab File: VN079588.D

Acq: 17 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :



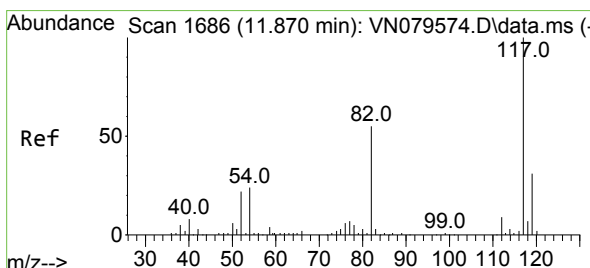
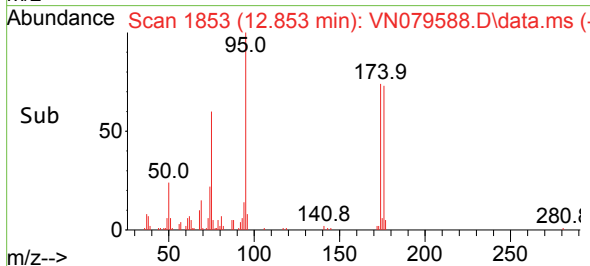
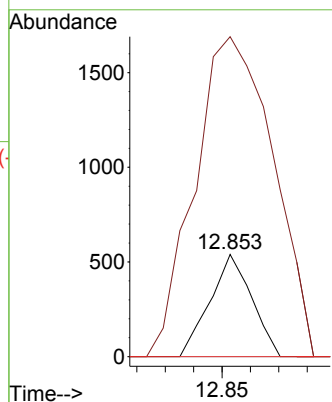
Tgt Ion:173 Resp: 553

Ion Ratio Lower Upper

173 100

175 587.3 37.9 56.9#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN079588.D

Acq: 17 Oct 2023 17:57

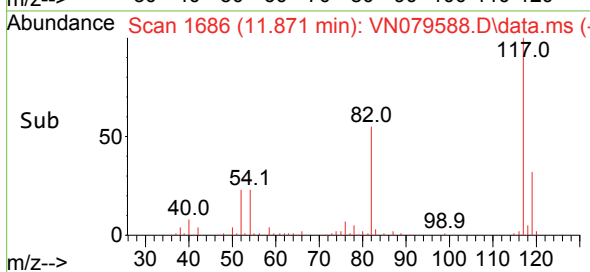
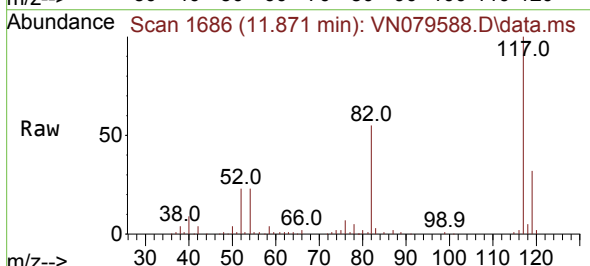
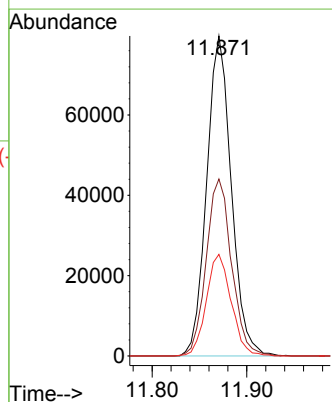
Tgt Ion:117 Resp: 144124

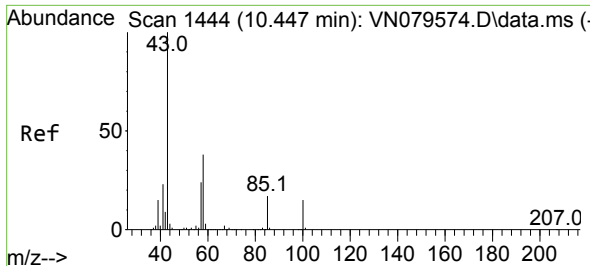
Ion Ratio Lower Upper

117 100

82 57.1 46.2 69.2

119 32.0 25.2 37.8

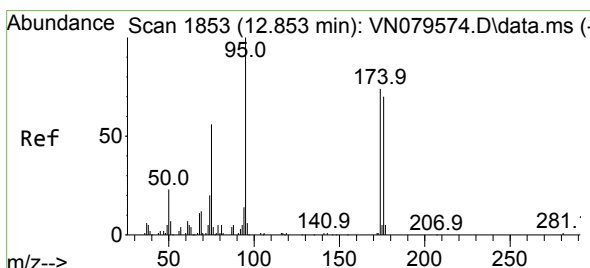
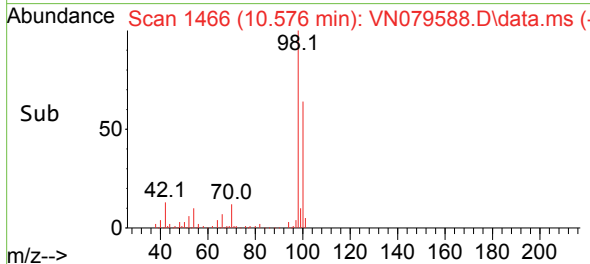
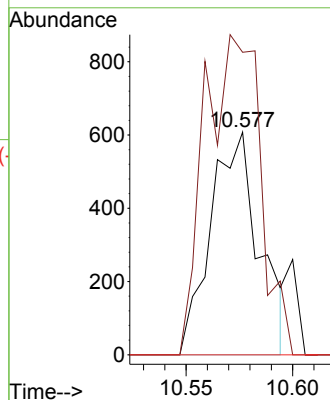
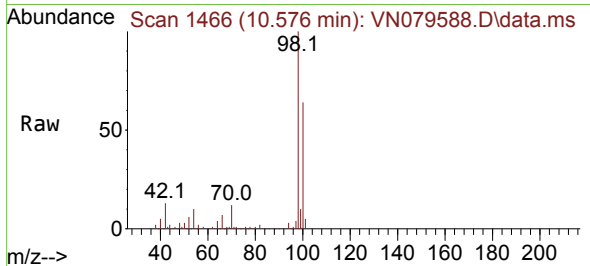




#58
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 10.576 min Scan# 1444
Delta R.T. 0.130 min
Lab File: VN079588.D
Acq: 17 Oct 2023 17:57

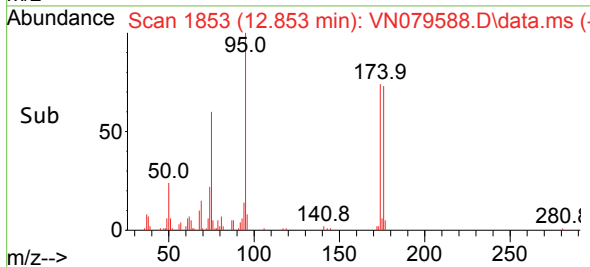
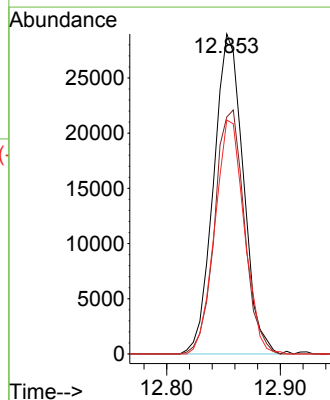
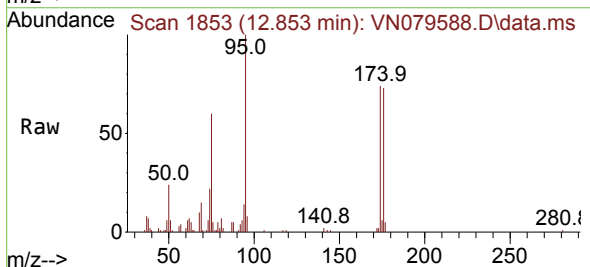
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MSVOA_N
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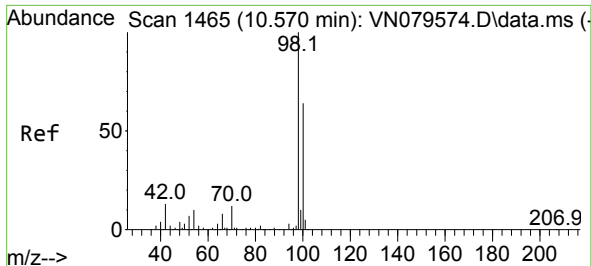
Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
58 105.6 30.4 45.6#
85 0.0 13.2 19.8#



#60
4-Bromofluorobenzene
Concen: 19.947 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079588.D
Acq: 17 Oct 2023 17:57

Tgt Ion: 95 Resp: 52572
Ion Ratio Lower Upper
95 100
174 75.9 60.5 90.7
176 72.7 57.2 85.8

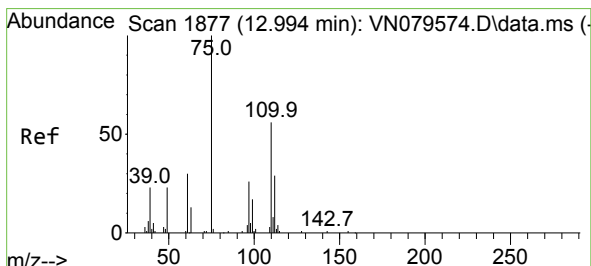
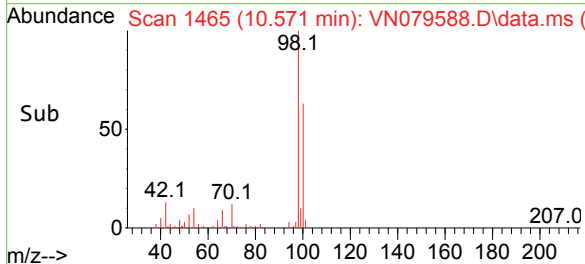
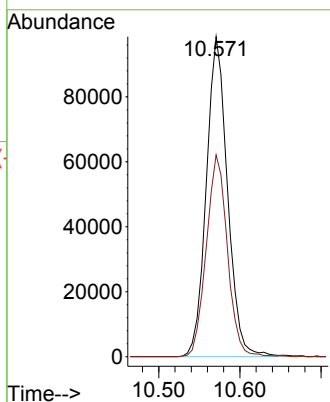
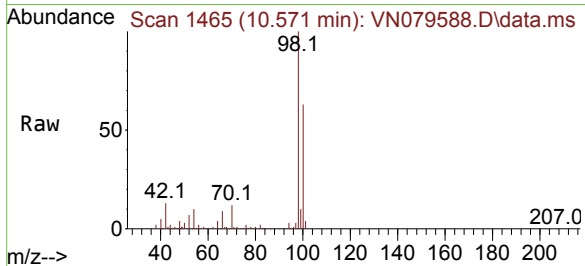




#63
Toluene-d8
Concen: 28.911 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079588.D
Acq: 17 Oct 2023 17:57

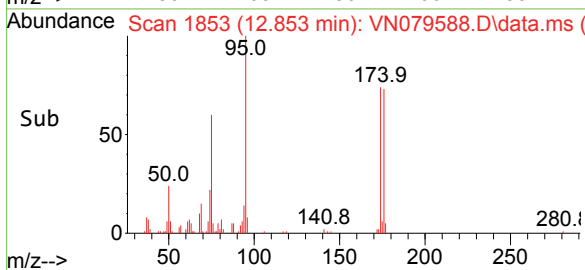
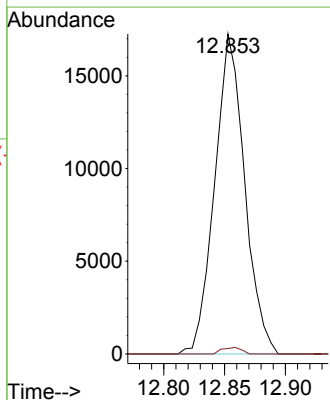
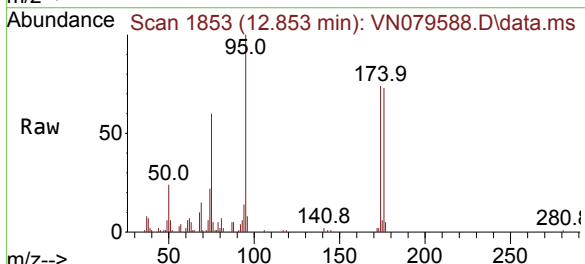
Instrument :
MSVOA_N
ClientSampleId :

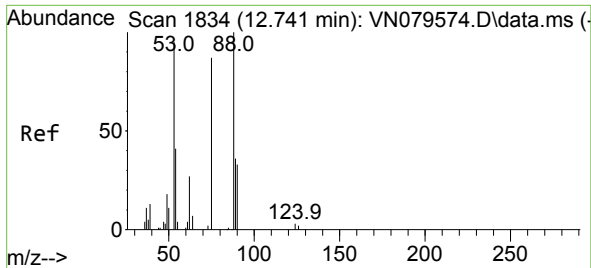
Tgt Ion: 98 Resp: 178550
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 8.881 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079588.D
Acq: 17 Oct 2023 17:57

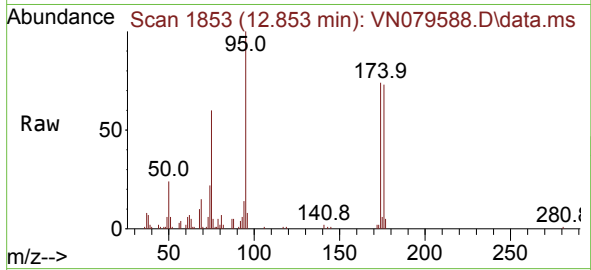
Tgt Ion: 75 Resp: 29533
Ion Ratio Lower Upper
75 100
77 1.3 0.0 338.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 29.100 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079588.D
 Acq: 17 Oct 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 29533
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.0 159.1#
 89 0.0 22.6 67.7#

