

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078907.D
 Acq On : 16 Aug 2023 16:54
 Operator : JC\MD
 Sample : 04022-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-16

Quant Time: Aug 17 01:18:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

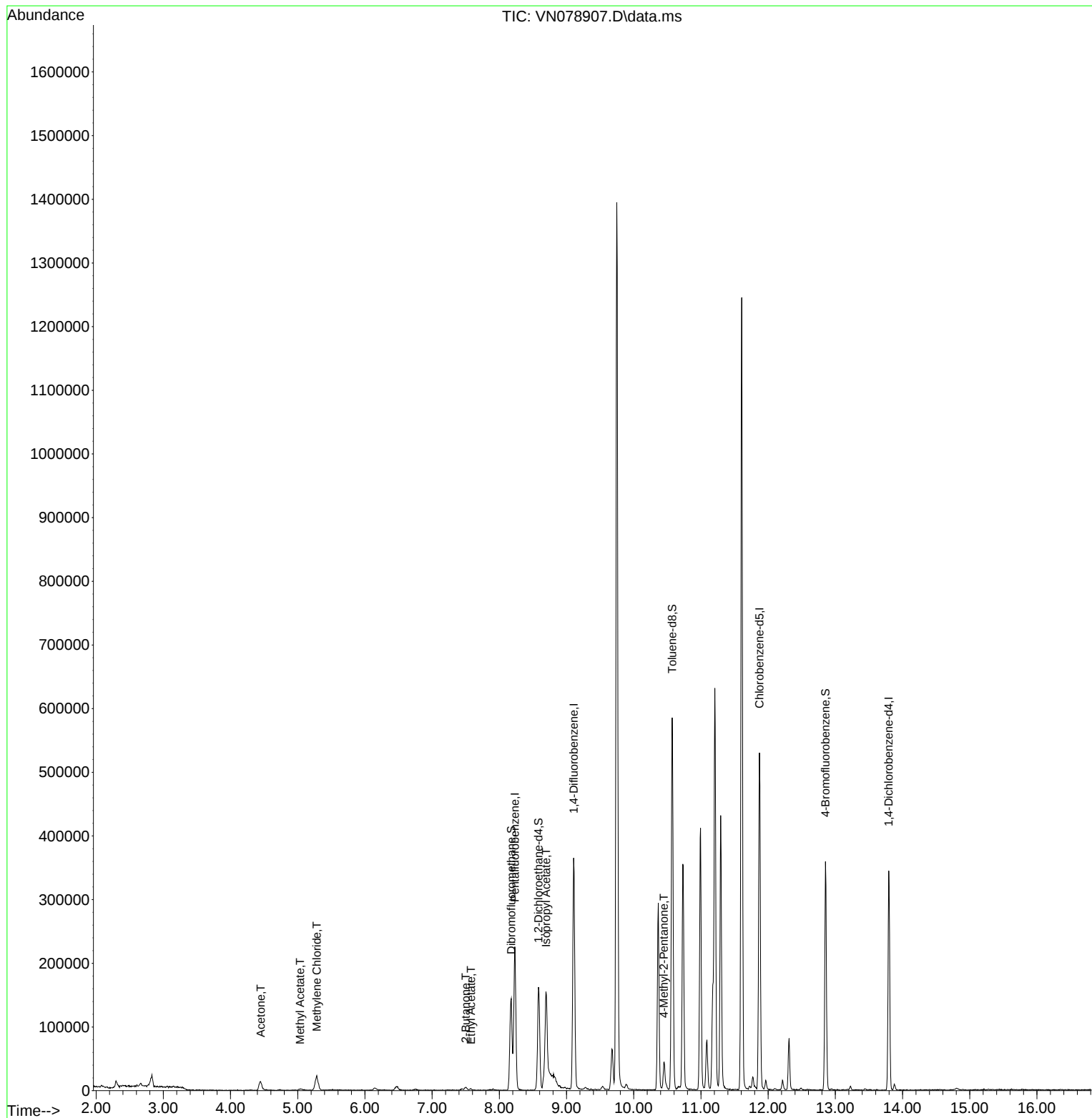
Internal Standards						
1) Pentafluorobenzene	8.230	168	147706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	293102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129421	56.308	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.620%		
35) Dibromofluoromethane	8.177	113	101828	51.562	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.120%		
50) Toluene-d8	10.571	98	383459	52.293	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.580%		
62) 4-Bromofluorobenzene	12.853	95	114958	47.963	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.920%		
Target Compounds						
						Qvalue
16) Acetone	4.448	43	26736	28.192	ug/l	88
18) Methyl Acetate	5.036	43	5118	1.277	ug/l #	69
20) Methylene Chloride	5.283	84	15687	7.762	ug/l #	77
25) 2-Butanone	7.500	43	7752	5.098	ug/l #	74
37) Ethyl Acetate	7.577	43	4479	1.348	ug/l #	75
43) Isopropyl Acetate	8.694	43	211053	35.925	ug/l #	71
51) 4-Methyl-2-Pentanone	10.447	43	36371	10.438	ug/l #	75

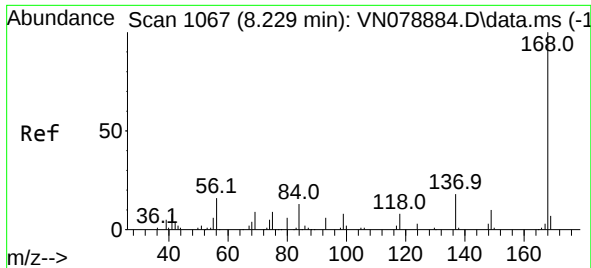
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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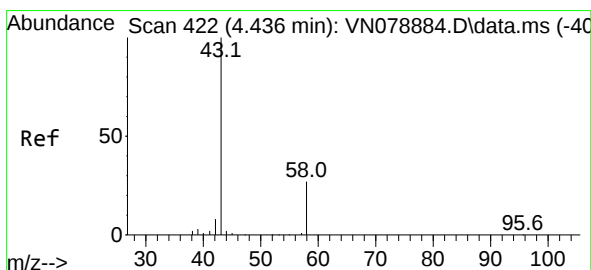
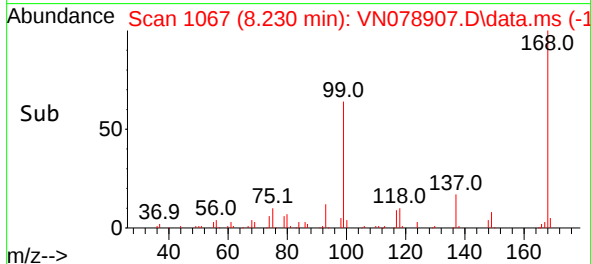
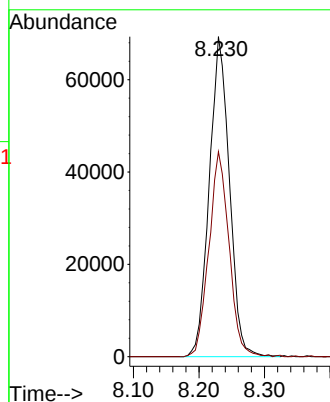
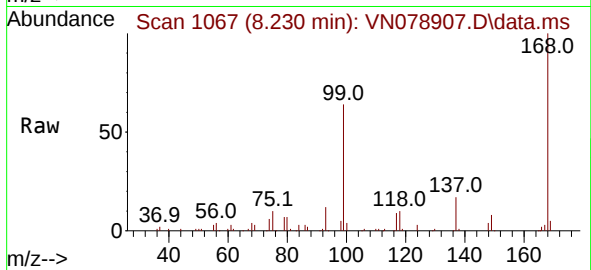




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

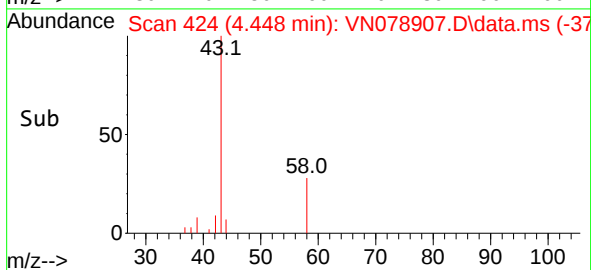
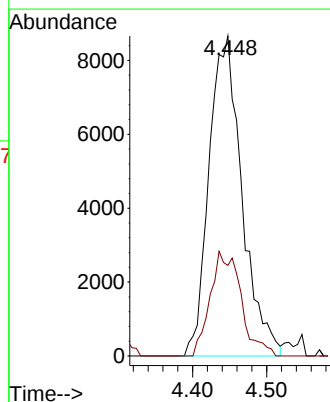
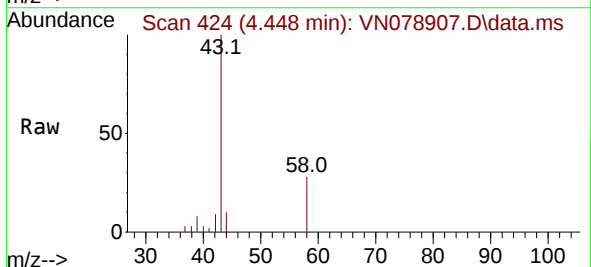
Instrument :
MSVOA_N
ClientSampleId :
TP-16

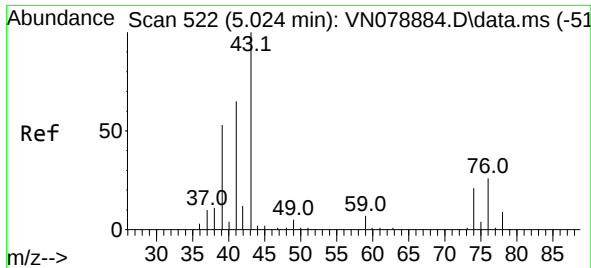
Tgt Ion:168 Resp: 147706
Ion Ratio Lower Upper
168 100
99 64.1 53.0 79.6



#16
Acetone
Concen: 28.192 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

Tgt Ion: 43 Resp: 26736
Ion Ratio Lower Upper
43 100
58 28.3 28.0 42.0

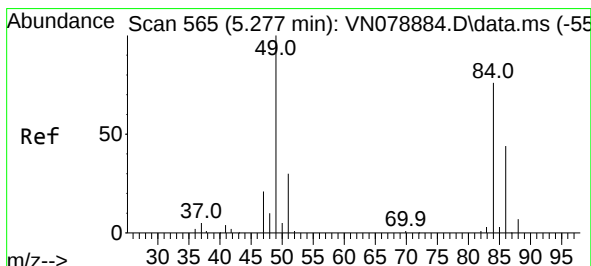
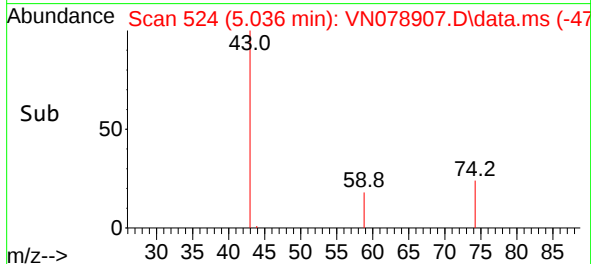
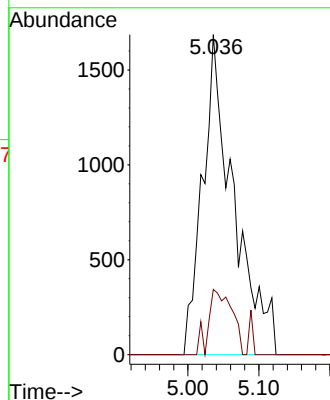
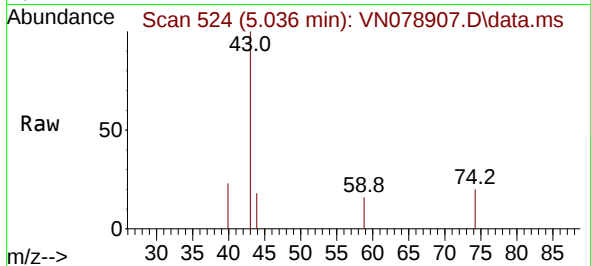




#18
Methyl Acetate
Concen: 1.277 ug/l
RT: 5.036 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

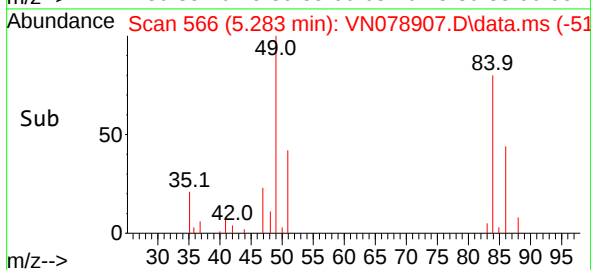
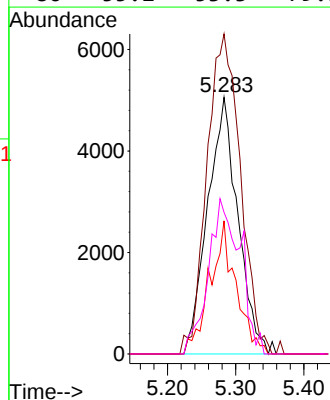
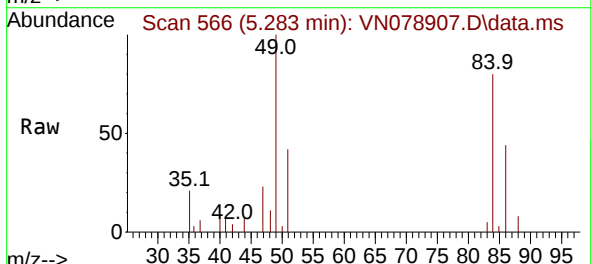
Instrument :
MSVOA_N
ClientSampleId :
TP-16

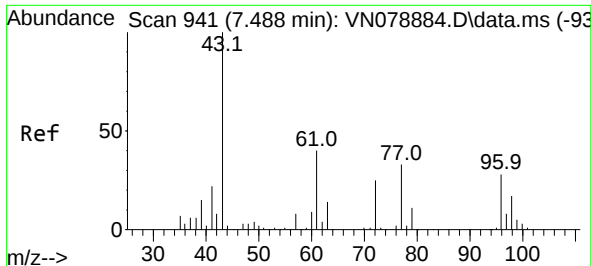
Tgt Ion: 43 Resp: 5118
Ion Ratio Lower Upper
43 100
74 15.5 26.2 39.4#



#20
Methylene Chloride
Concen: 7.762 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

Tgt Ion: 84 Resp: 15687
Ion Ratio Lower Upper
84 100
49 124.7 79.7 119.5#
51 51.9 25.2 37.8#
86 55.2 53.3 79.9

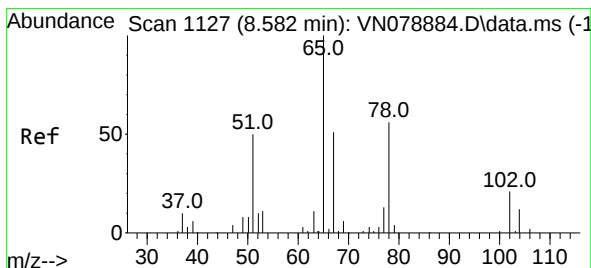
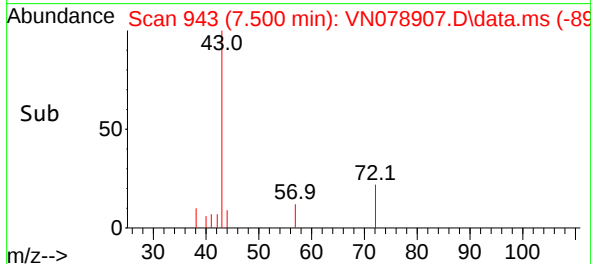
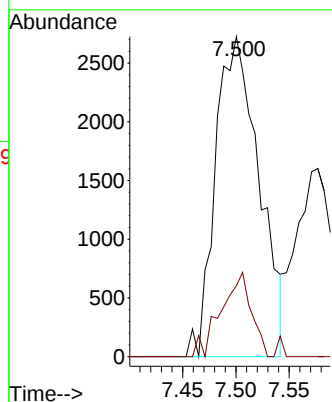
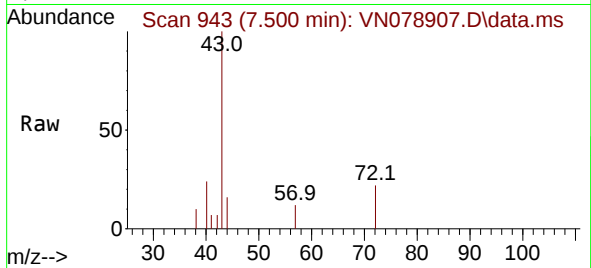




#25
2-Butanone
Concen: 5.098 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

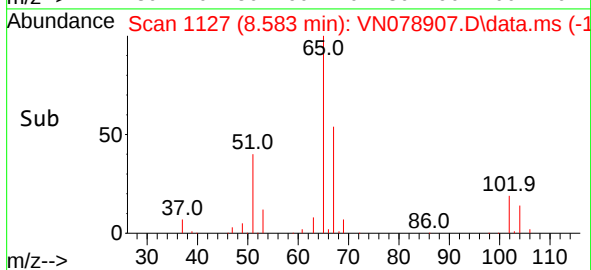
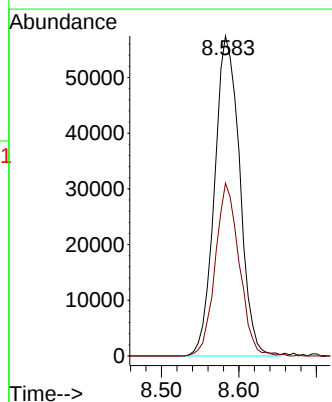
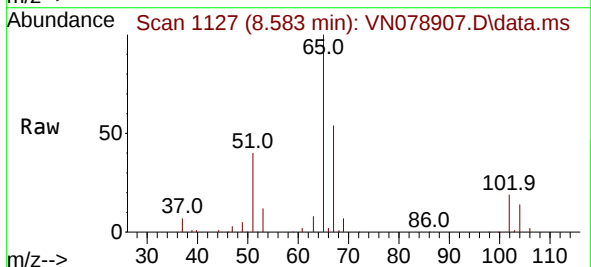
Instrument :
MSVOA_N
ClientSampleId :
TP-16

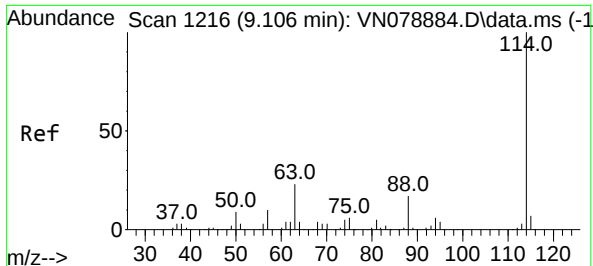
Tgt Ion: 43 Resp: 7752
Ion Ratio Lower Upper
43 100
72 22.1 30.2 45.2#



#33
1,2-Dichloroethane-d4
Concen: 56.308 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

Tgt Ion: 65 Resp: 129421
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078907.D

Acq: 16 Aug 2023 16:54

Instrument :

MSVOA_N

ClientSampleId :

TP-16

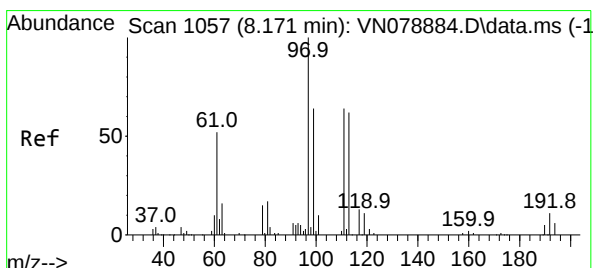
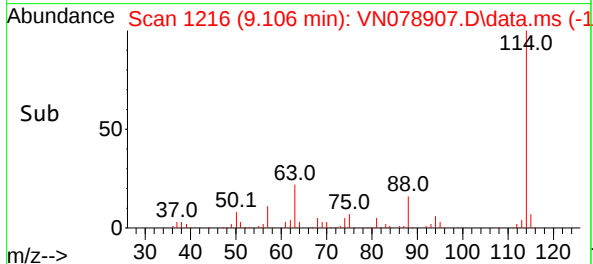
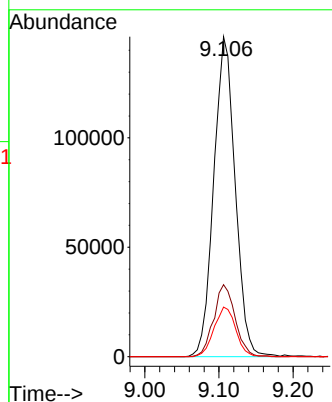
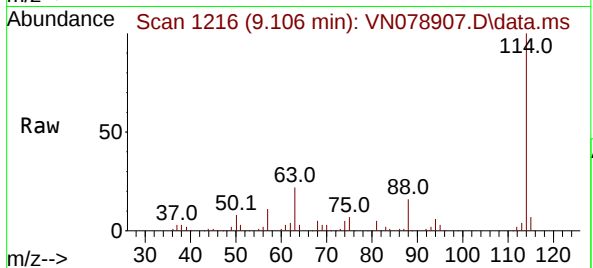
Tgt Ion:114 Resp: 293377

Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.562 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078907.D

Acq: 16 Aug 2023 16:54

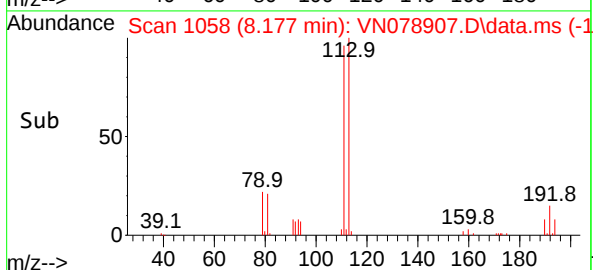
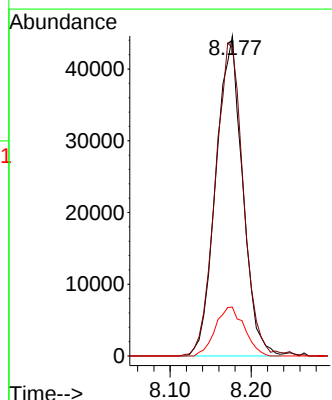
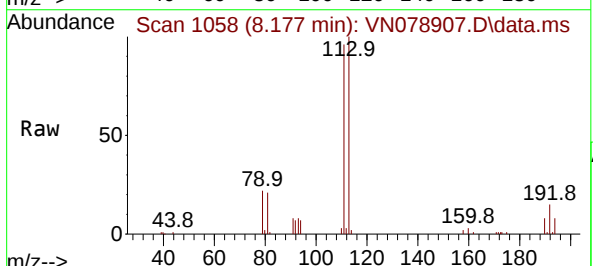
Tgt Ion:113 Resp: 101828

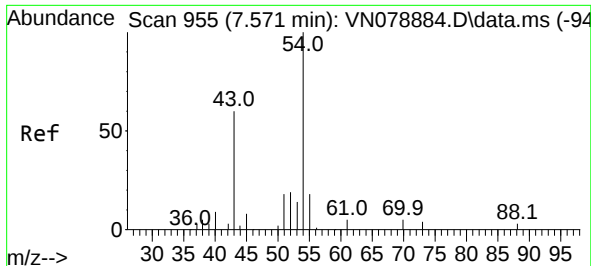
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 16.6 12.7 19.1





#37

Ethyl Acetate

Concen: 1.348 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN078907.D

Acq: 16 Aug 2023 16:54

Instrument :

MSVOA_N

ClientSampleId :

TP-16

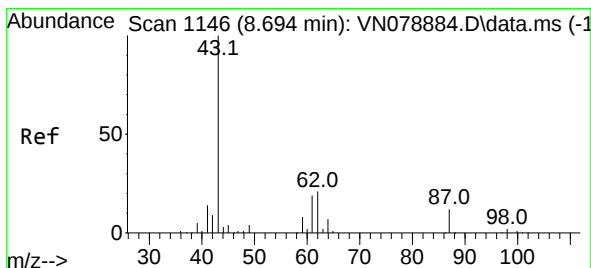
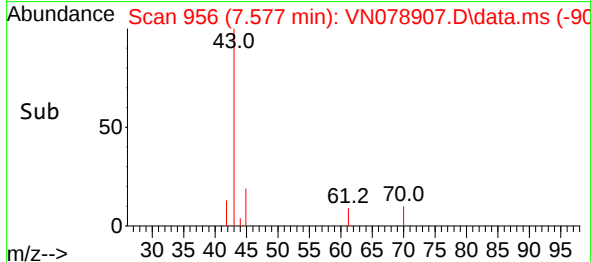
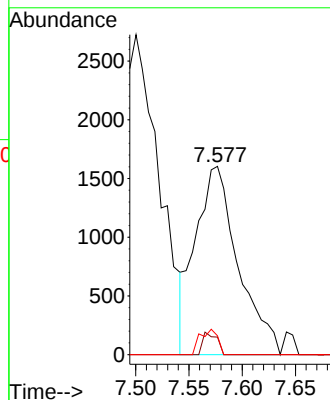
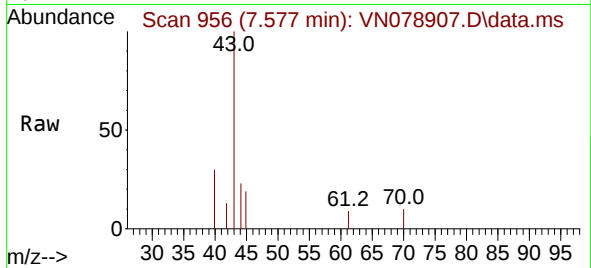
Tgt Ion: 43 Resp: 4479

Ion Ratio Lower Upper

43 100

61 3.9 13.2 19.8#

70 5.6 11.3 16.9#



#43

Isopropyl Acetate

Concen: 35.925 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078907.D

Acq: 16 Aug 2023 16:54

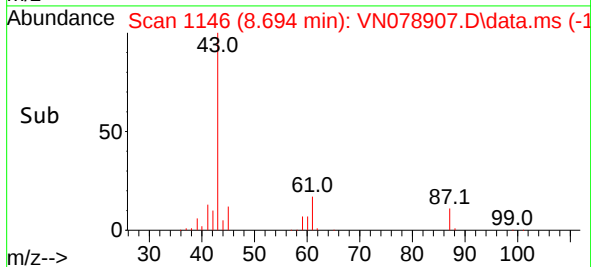
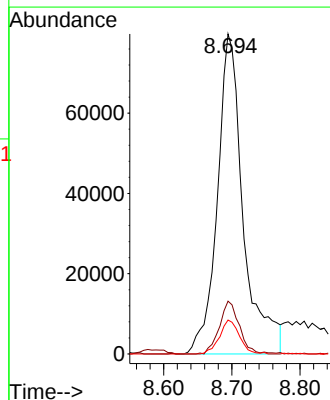
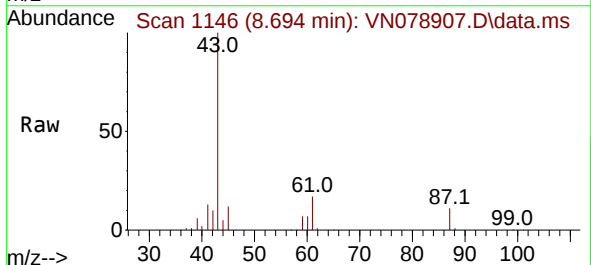
Tgt Ion: 43 Resp: 211053

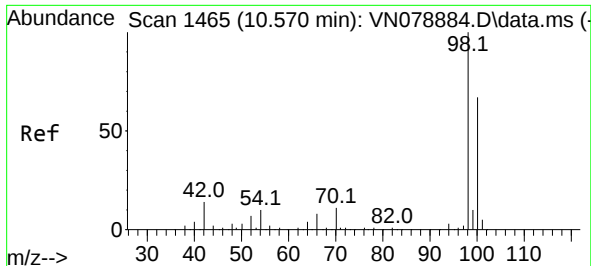
Ion Ratio Lower Upper

43 100

61 12.8 24.7 37.1#

87 8.1 14.6 21.8#

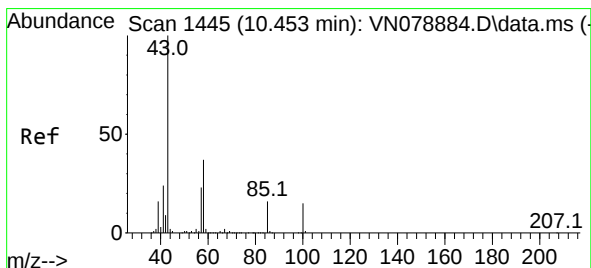
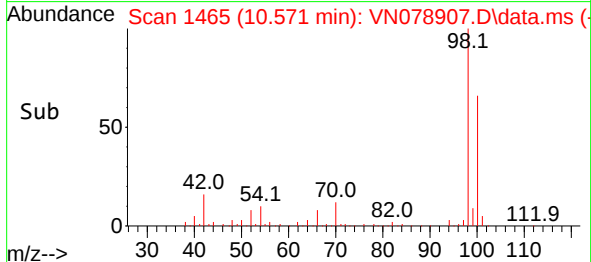
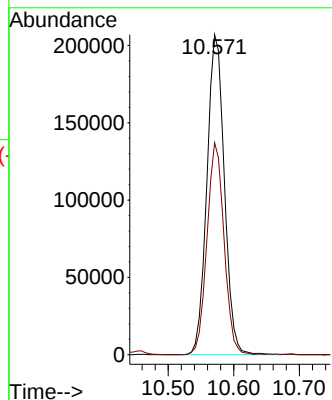
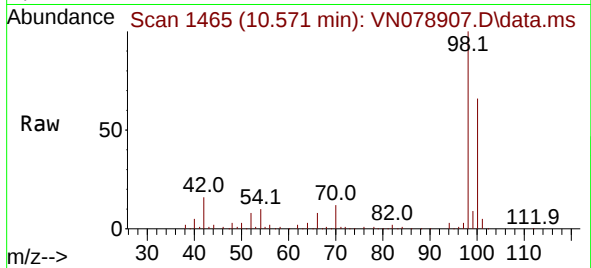




#50
Toluene-d8
Concen: 52.293 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

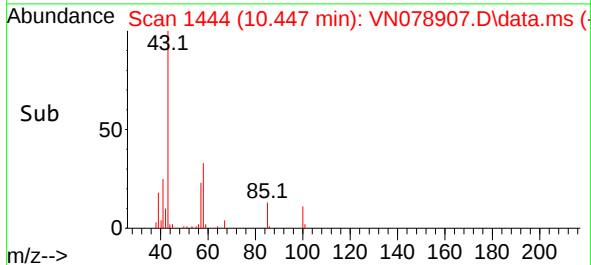
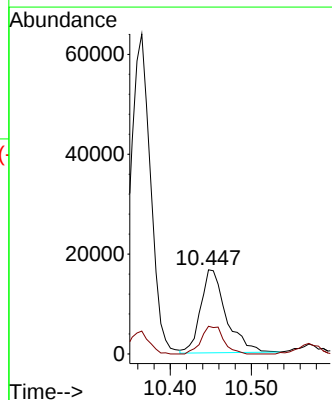
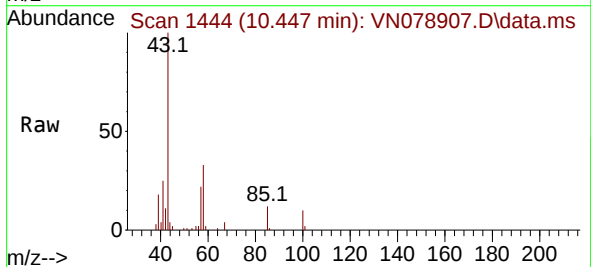
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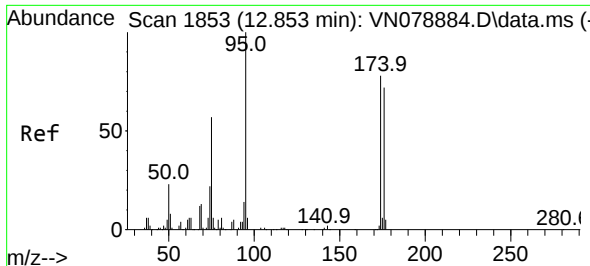
Tgt Ion: 98 Resp: 383459
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 10.438 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

Tgt Ion: 43 Resp: 36371
Ion Ratio Lower Upper
43 100
58 29.2 36.6 54.8#

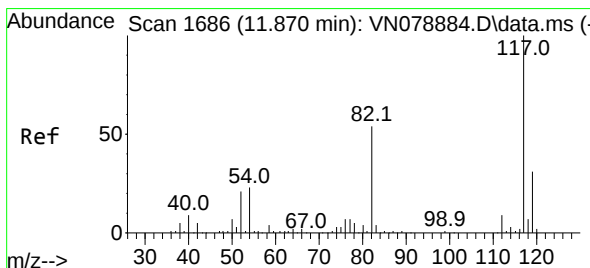
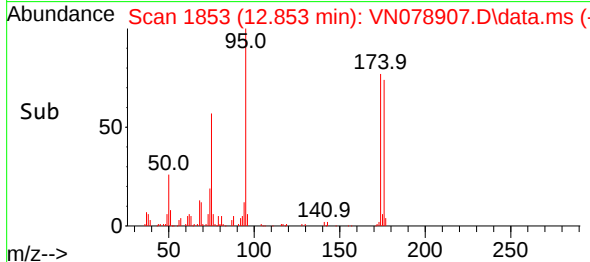
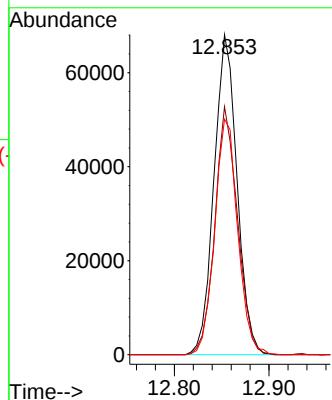
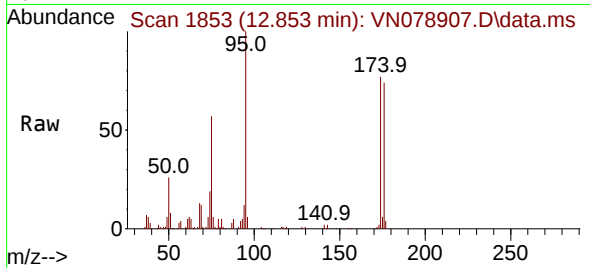




#62
4-Bromofluorobenzene
Concen: 47.963 ug/l
RT: 12.853 min Scan# 114958
Delta R.T. -0.000 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

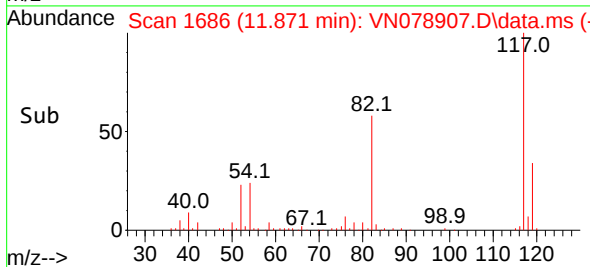
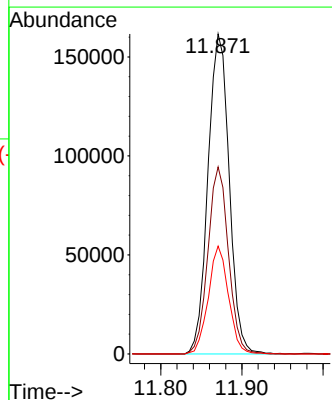
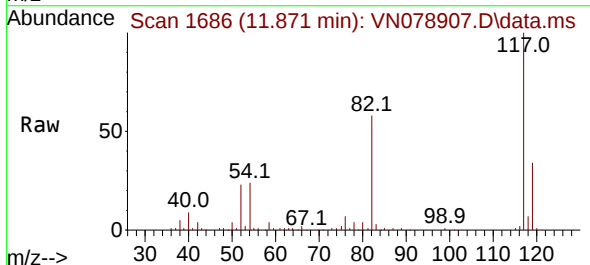
Instrument :
MSVOA_N
ClientSampleId :
TP-16

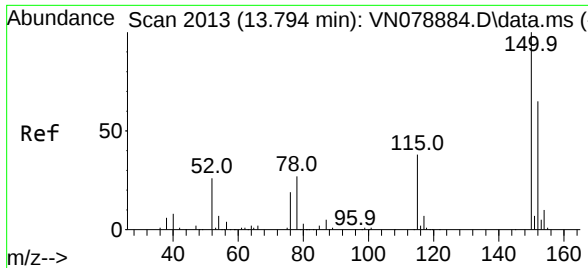
Tgt Ion: 95 Resp: 114958
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 73.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078907.D
Acq: 16 Aug 2023 16:54

Tgt Ion: 117 Resp: 293102
Ion Ratio Lower Upper
117 100
82 58.4 44.0 66.0
119 33.7 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078907.D
 Acq: 16 Aug 2023 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-16

Tgt Ion:152 Resp: 85945
 Ion Ratio Lower Upper
 152 100
 115 62.7 32.3 96.8
 150 157.6 0.0 355.8

