

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073123\
 Data File : VN078705.D
 Acq On : 31 Jul 2023 15:11
 Operator : JC\MD
 Sample : 03797-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HANOVER-ST-2

Quant Time: Aug 01 01:18:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

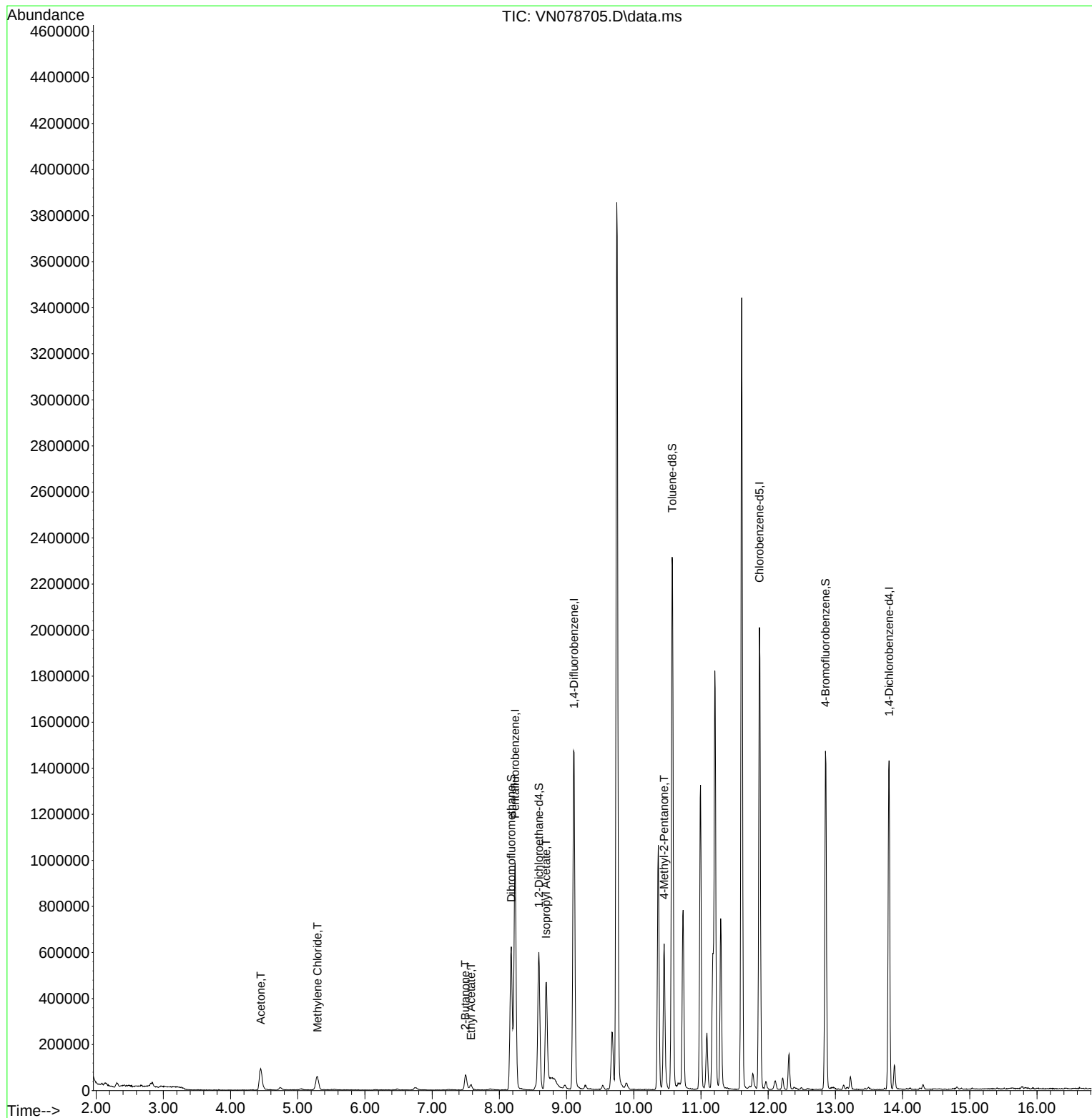
Internal Standards						
1) Pentafluorobenzene	8.235	168	734854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1331588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1228539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	400256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	486757	49.409	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.820%
35) Dibromofluoromethane	8.177	113	448244	49.589	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.180%
50) Toluene-d8	10.570	98	1691163	49.525	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.853	95	550047	52.295	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.600%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	180503	58.820	ug/l	99
20) Methylene Chloride	5.294	84	49487	4.510	ug/l	90
25) 2-Butanone	7.494	43	101336	20.978	ug/l #	82
37) Ethyl Acetate	7.577	43	33423	3.072	ug/l	94
43) Isopropyl Acetate	8.694	43	553698	30.910	ug/l #	83
51) 4-Methyl-2-Pentanone	10.453	43	431383	40.487	ug/l	91

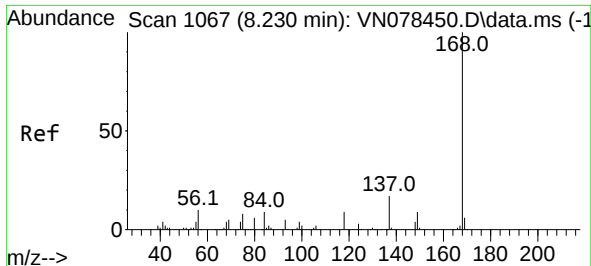
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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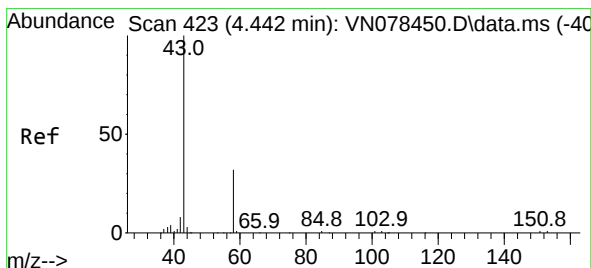
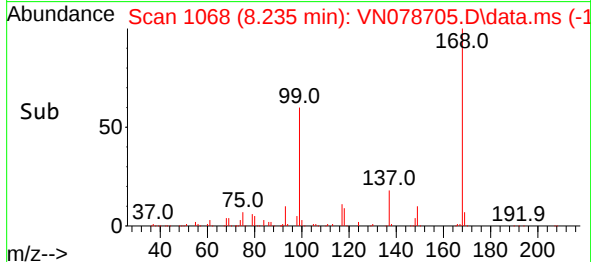
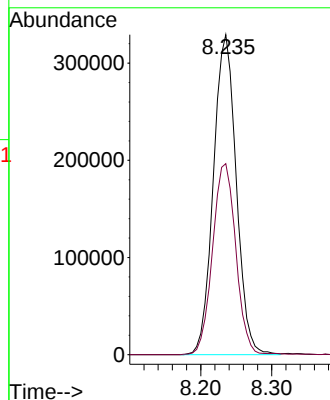
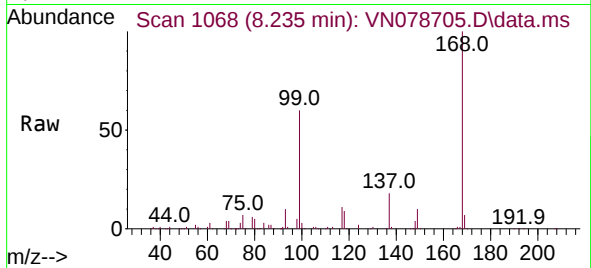




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

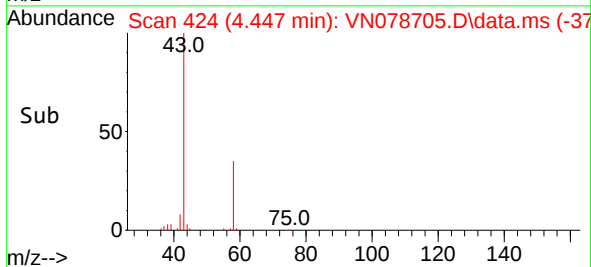
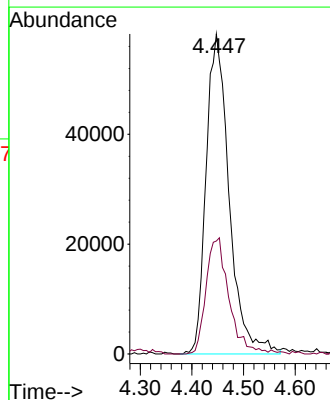
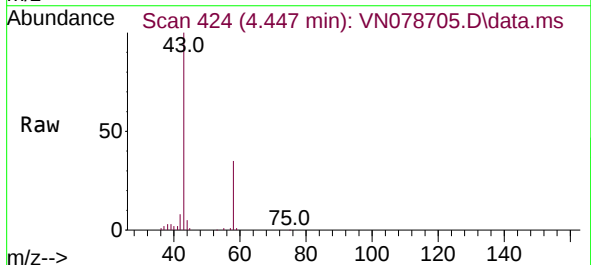
Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

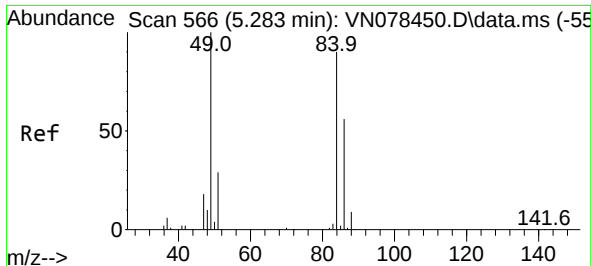
Tgt Ion:168 Resp: 734854
Ion Ratio Lower Upper
168 100
99 59.7 53.0 79.6



#16
Acetone
Concen: 58.820 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 43 Resp: 180503
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0

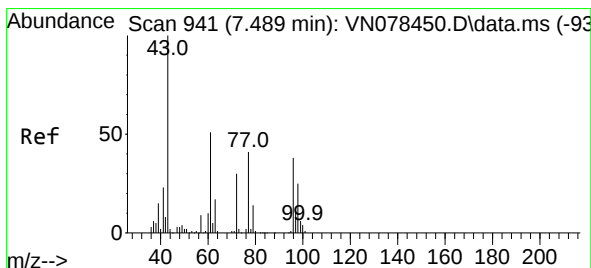
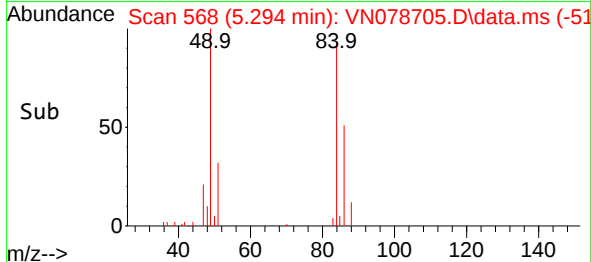
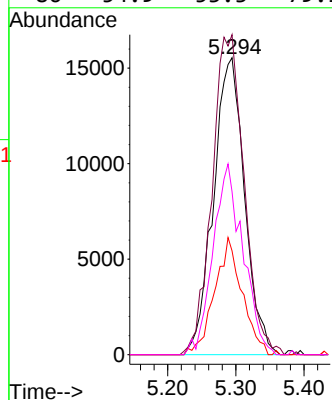
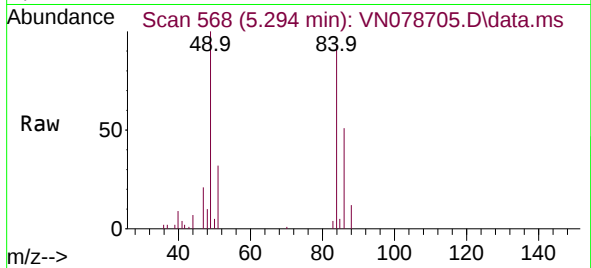




#20
Methylene Chloride
Concen: 4.510 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

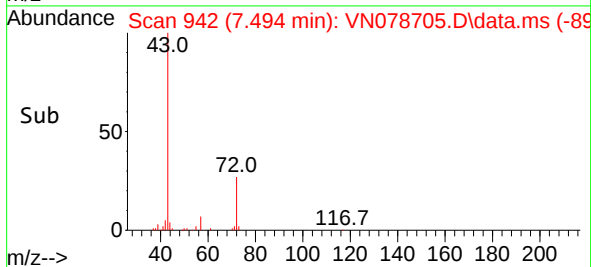
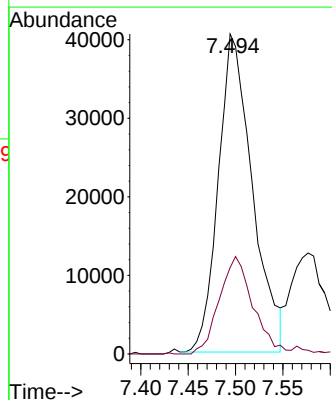
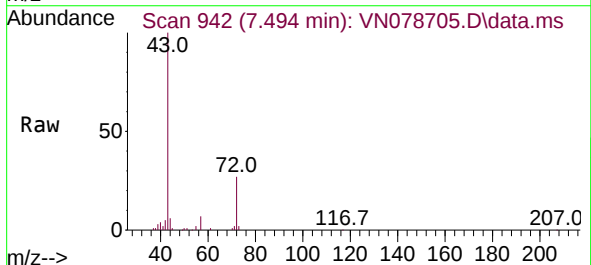
Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

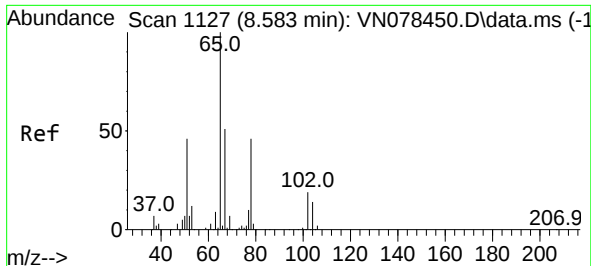
Tgt Ion:	84	Resp:	49487
Ion	Ratio	Lower	Upper
84	100		
49	107.7	79.7	119.5
51	35.0	25.2	37.8
86	54.9	53.3	79.9



#25
2-Butanone
Concen: 20.978 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion:	43	Resp:	101336
Ion	Ratio	Lower	Upper
43	100		
72	27.2	30.2	45.2#





#33

1,2-Dichloroethane-d4

Concen: 49.409 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078705.D

Acq: 31 Jul 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

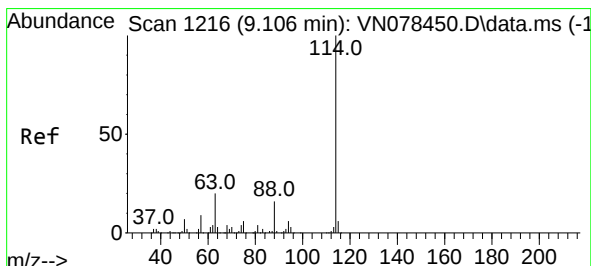
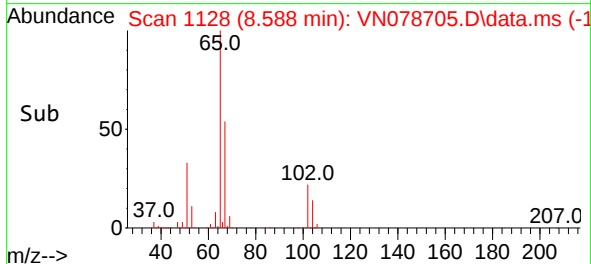
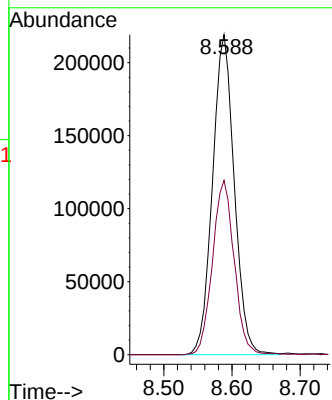
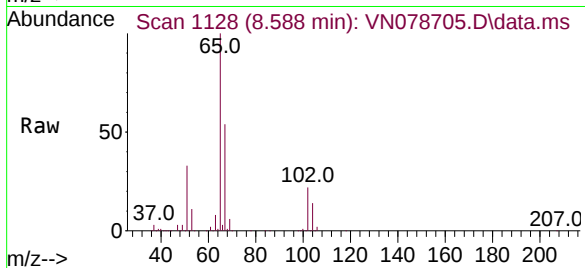
HANOVER-ST-2

Tgt Ion: 65 Resp: 486757

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078705.D

Acq: 31 Jul 2023 15:11

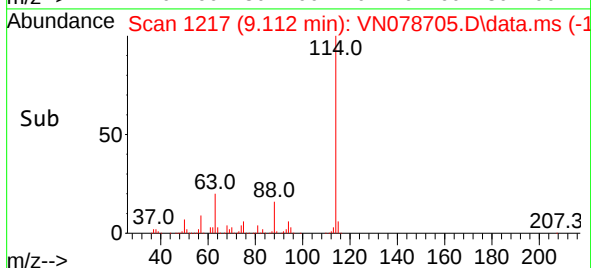
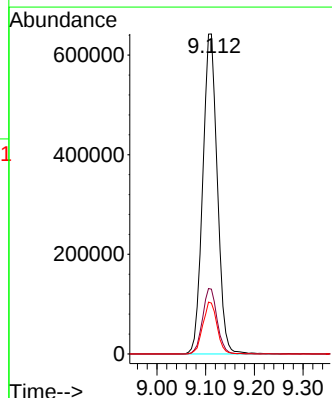
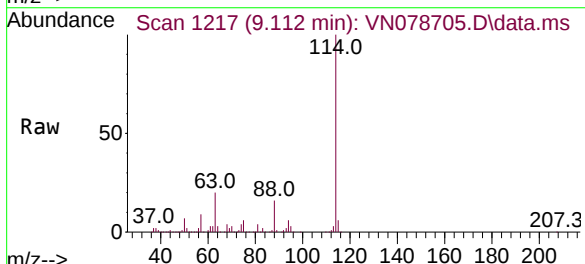
Tgt Ion: 114 Resp: 1331588

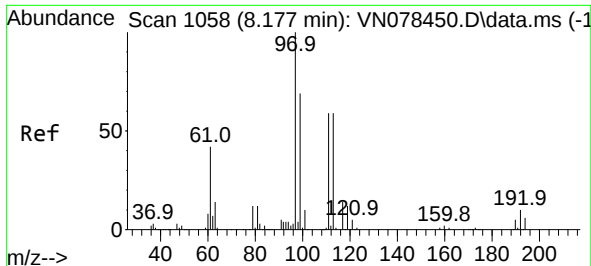
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.589 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078705.D

Acq: 31 Jul 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

HANOVER-ST-2

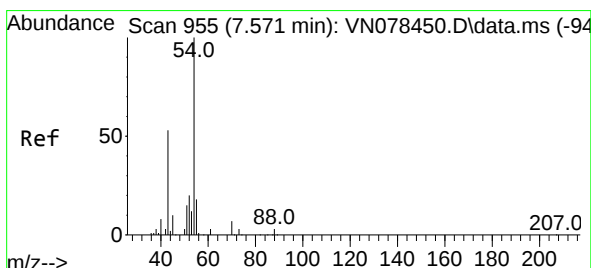
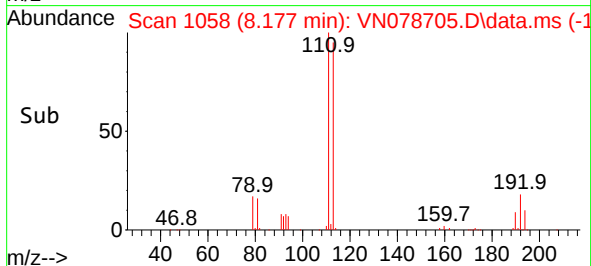
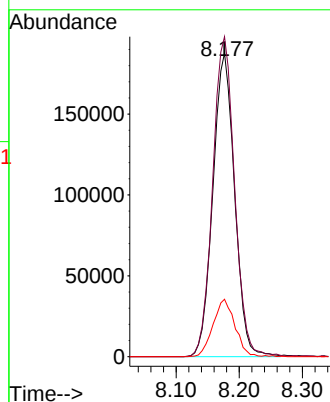
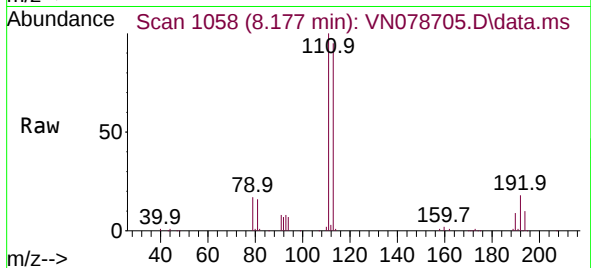
Tgt Ion:113 Resp: 448244

Ion Ratio Lower Upper

113 100

111 106.3 82.6 123.8

192 19.0 12.7 19.1



#37

Ethyl Acetate

Concen: 3.072 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN078705.D

Acq: 31 Jul 2023 15:11

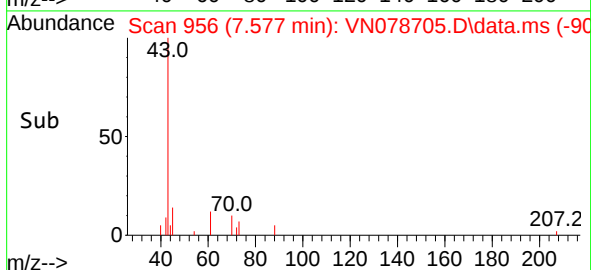
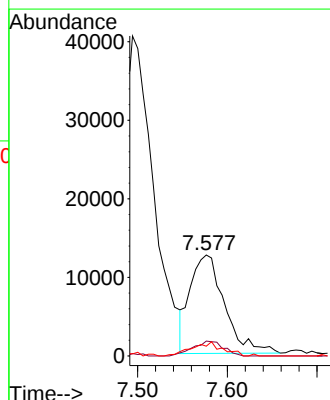
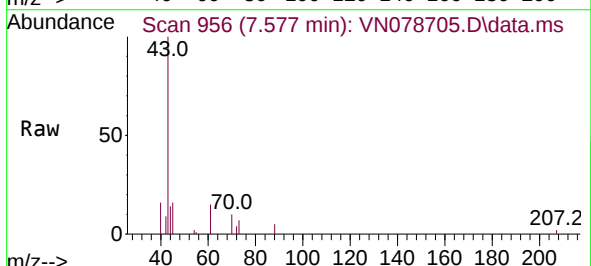
Tgt Ion: 43 Resp: 33423

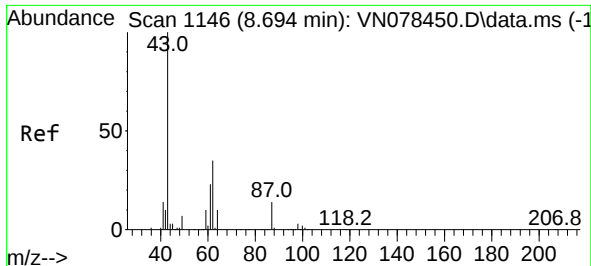
Ion Ratio Lower Upper

43 100

61 13.5 13.2 19.8

70 12.6 11.3 16.9

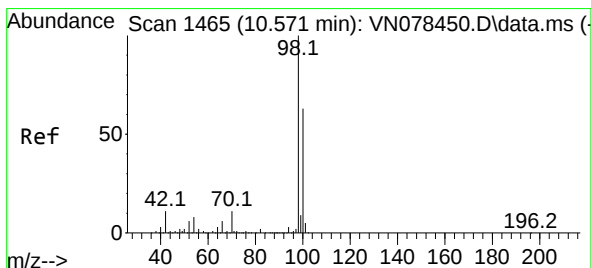
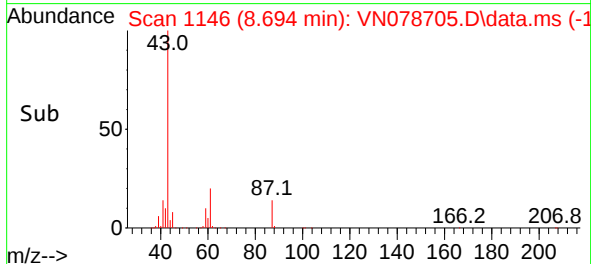
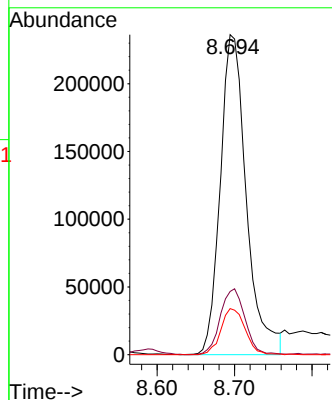
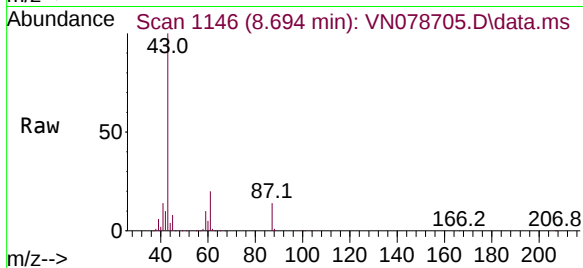




#43
Isopropyl Acetate
Concen: 30.910 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

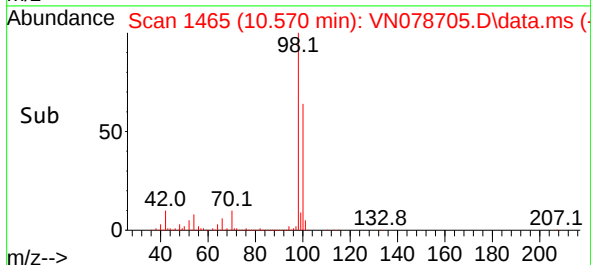
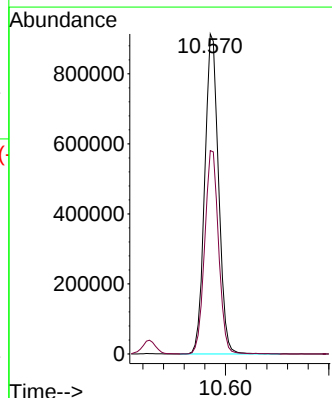
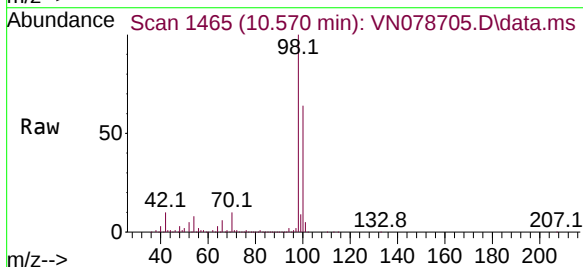
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HANOVER-ST-2

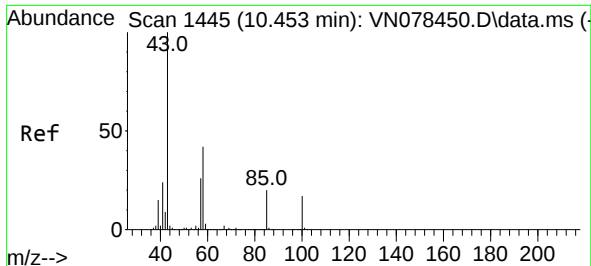
Tgt Ion: 43 Resp: 553698
Ion Ratio Lower Upper
43 100
61 19.5 24.7 37.1#
87 13.4 14.6 21.8#



#50
Toluene-d8
Concen: 49.525 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 98 Resp: 1691163
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

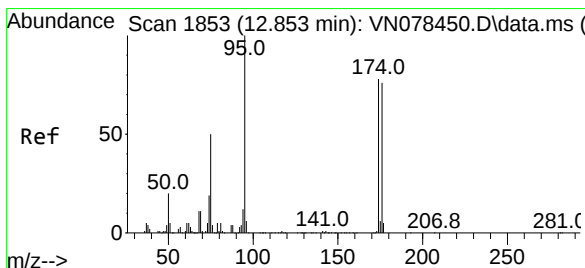
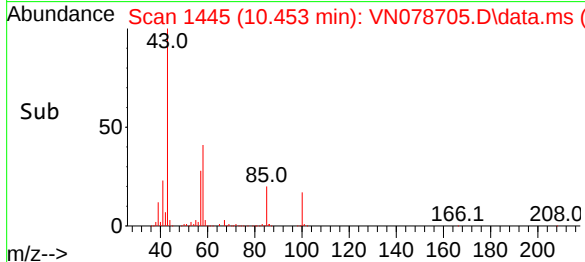
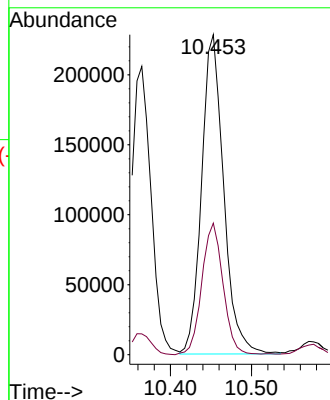
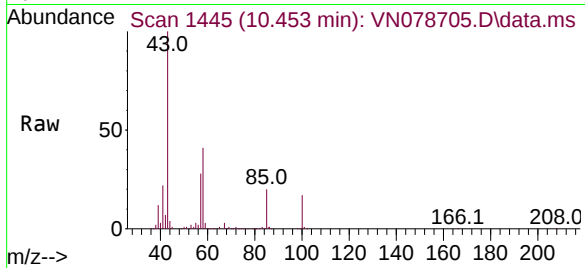




#51
4-Methyl-2-Pentanone
Concen: 40.487 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

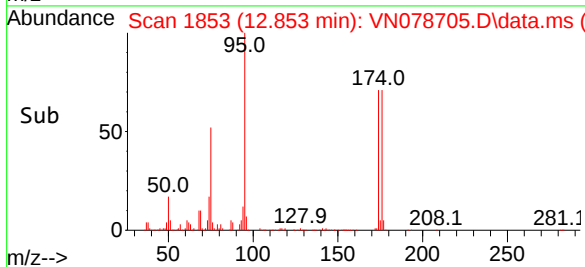
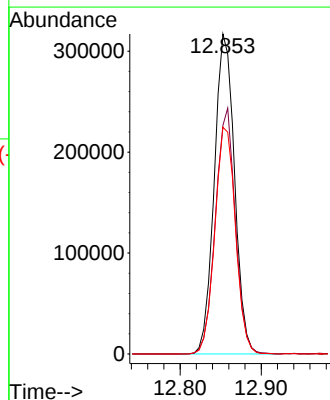
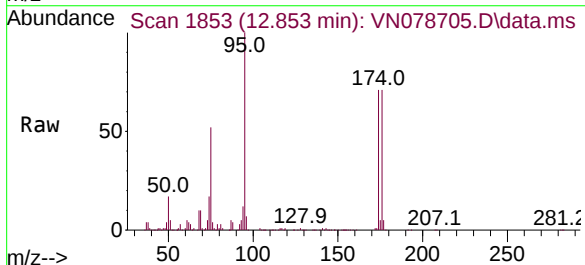
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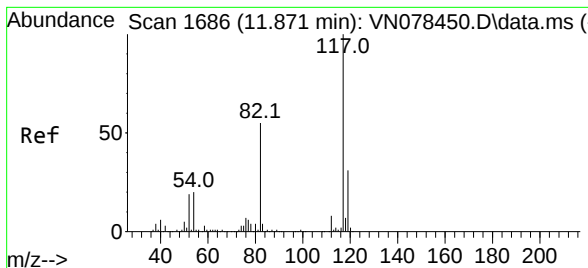
Tgt Ion: 43 Resp: 431383
Ion Ratio Lower Upper
43 100
58 39.5 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 52.295 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 95 Resp: 550047
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 72.3 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078705.D

Acq: 31 Jul 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

HANOVER-ST-2

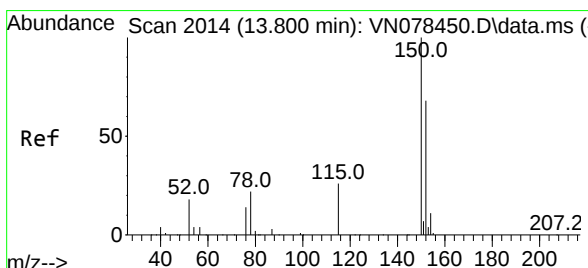
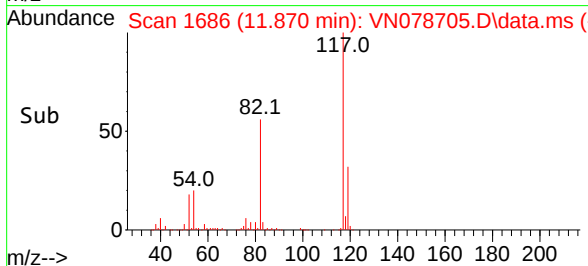
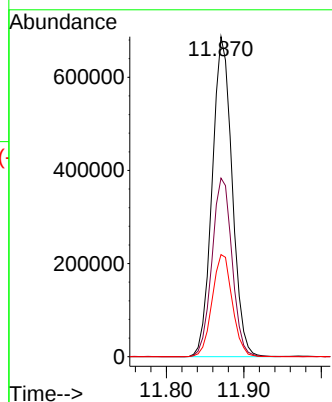
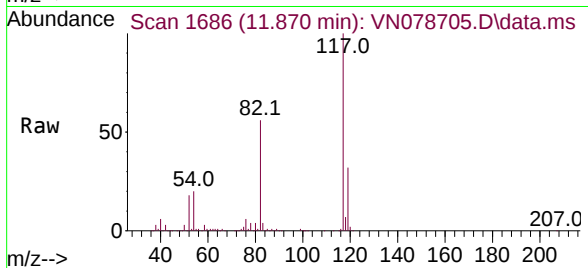
Tgt Ion:117 Resp: 1228539

Ion Ratio Lower Upper

117 100

82 55.8 44.0 66.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078705.D

Acq: 31 Jul 2023 15:11

Tgt Ion:152 Resp: 400256

Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 162.3 0.0 355.8

