

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073123\
 Data File : VN078704.D
 Acq On : 31 Jul 2023 14:47
 Operator : JC\MD
 Sample : 03797-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HANOVER-ST-1

Quant Time: Aug 01 01:18:00 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)

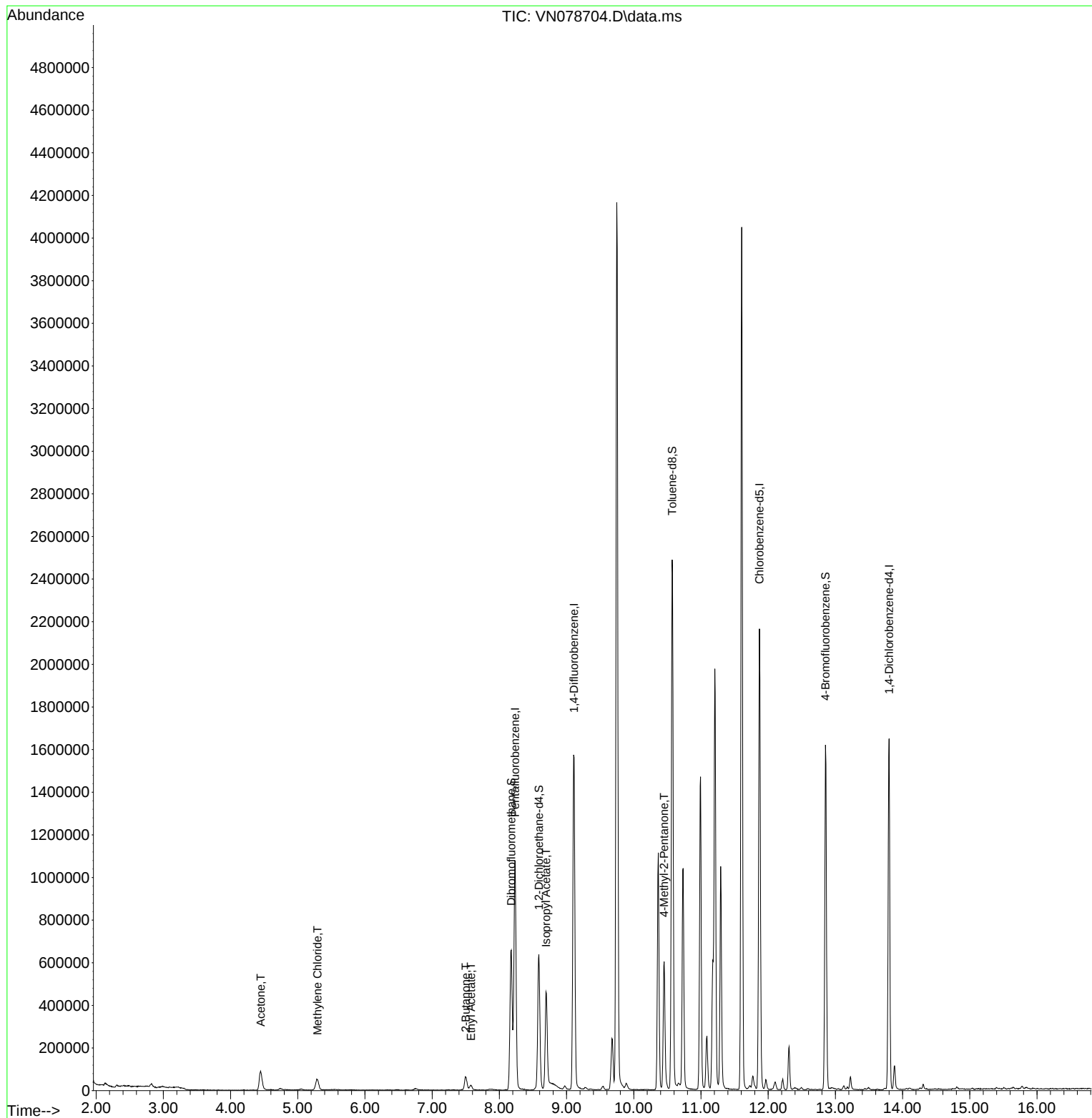
Internal Standards						
1) Pentafluorobenzene	8.235	168	814625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1459529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1313574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	471453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	524471	48.024	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.040%
35) Dibromofluoromethane	8.177	113	494557	49.916	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.840%
50) Toluene-d8	10.571	98	1834209	49.006	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.853	95	599847	52.031	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.060%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	170673	50.170	ug/l	93
20) Methylene Chloride	5.294	84	43701	3.337	ug/l	97
25) 2-Butanone	7.500	43	102600	19.160	ug/l #	80
37) Ethyl Acetate	7.577	43	32865	2.756	ug/l	98
43) Isopropyl Acetate	8.694	43	537672	27.385	ug/l #	85
51) 4-Methyl-2-Pentanone	10.453	43	424971	36.389	ug/l	92

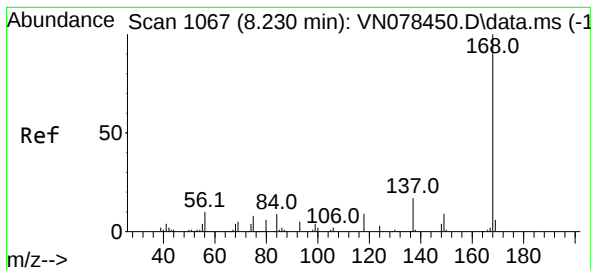
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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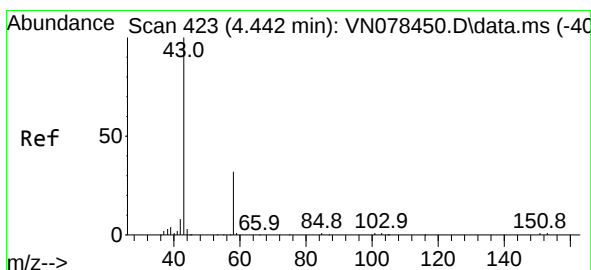
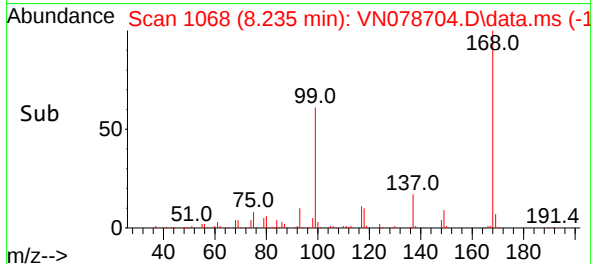
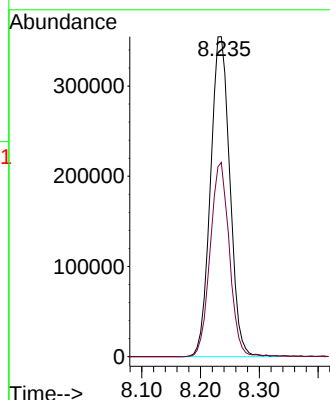
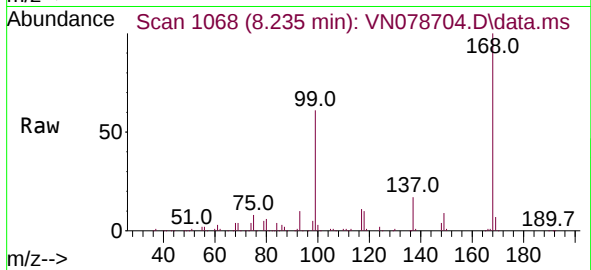




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

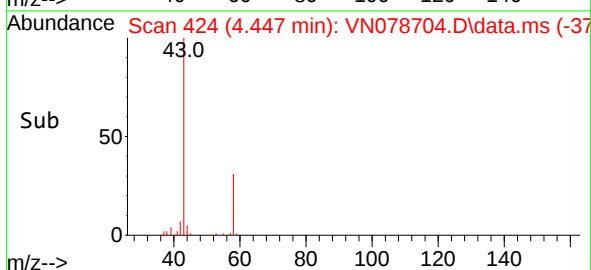
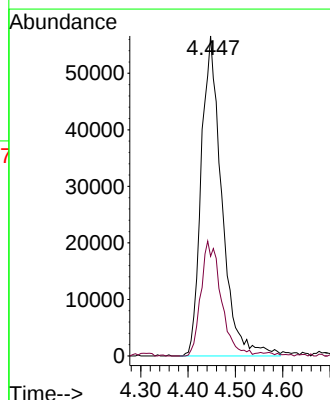
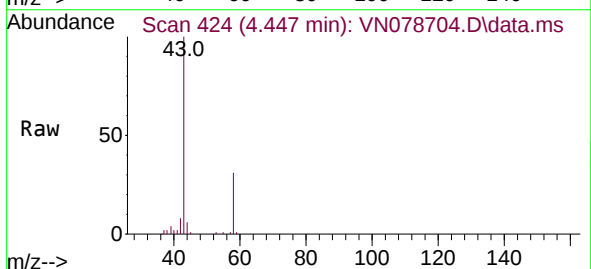
Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-1

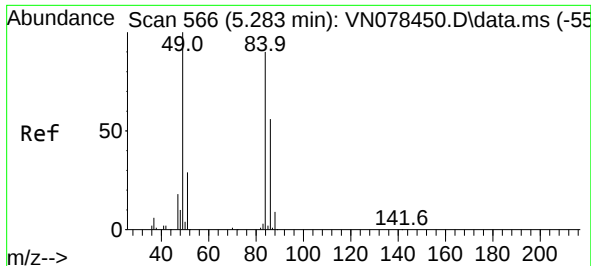
Tgt Ion:168 Resp: 814625
Ion Ratio Lower Upper
168 100
99 60.7 53.0 79.6



#16
Acetone
Concen: 50.170 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 43 Resp: 170673
Ion Ratio Lower Upper
43 100
58 31.1 28.0 42.0

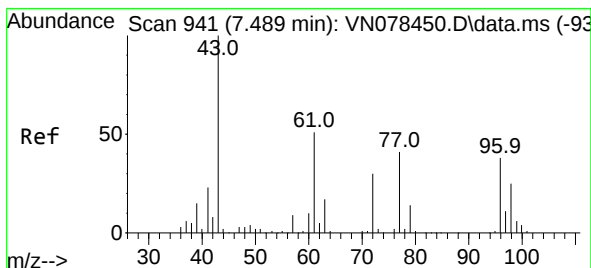
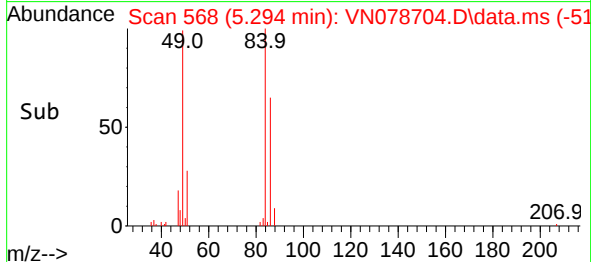
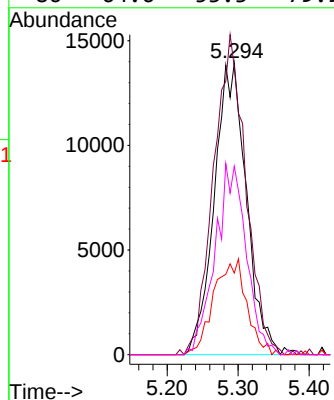
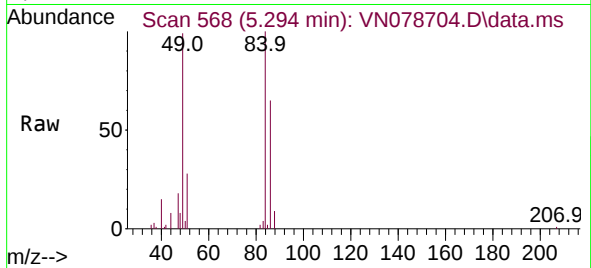




#20
Methylene Chloride
Concen: 3.337 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

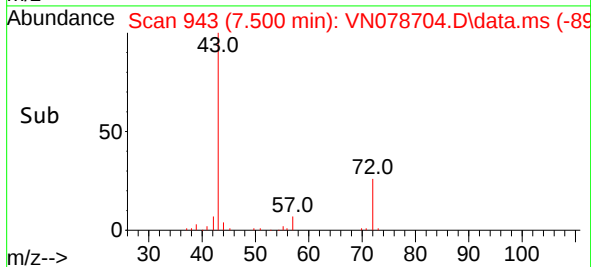
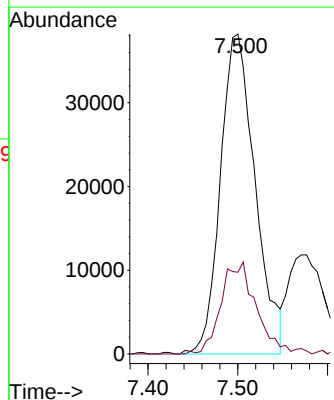
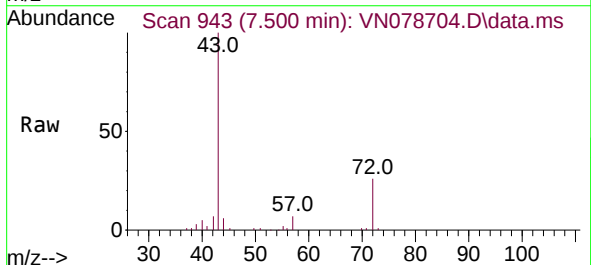
Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-1

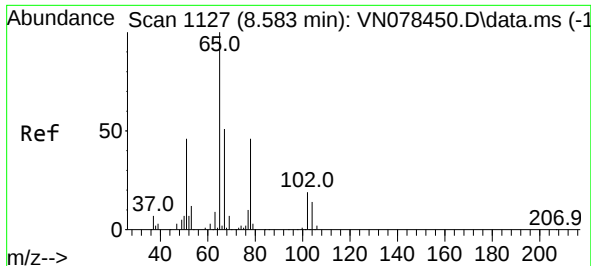
Tgt Ion: 84	Resp: 43701
Ion Ratio	Lower Upper
84	100
49	96.9 79.7 119.5
51	27.9 25.2 37.8
86	64.6 53.3 79.9



#25
2-Butanone
Concen: 19.160 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.011 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 43	Resp: 102600
Ion Ratio	Lower Upper
43	100
72	25.5 30.2 45.2#

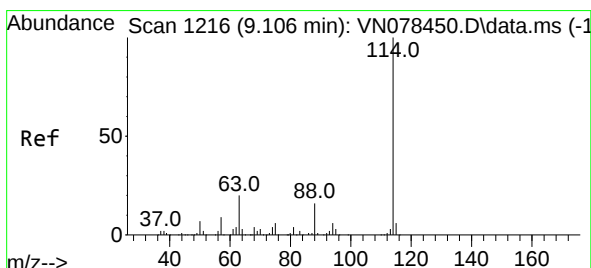
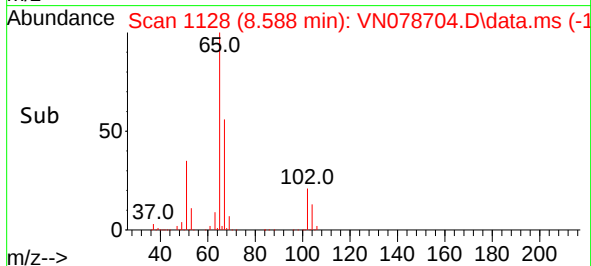
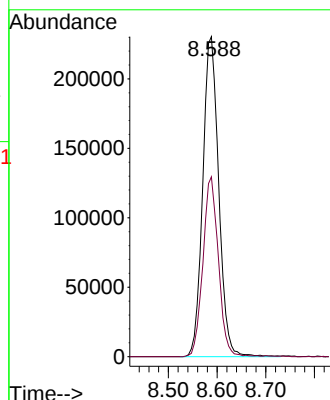
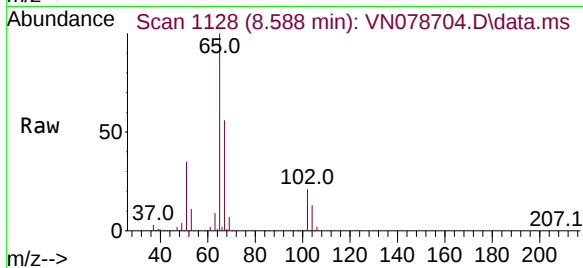




#33
 1,2-Dichloroethane-d4
 Concen: 48.024 ug/l
 RT: 8.588 min Scan# 1127
 Delta R.T. 0.005 min
 Lab File: VN078704.D
 Acq: 31 Jul 2023 14:47

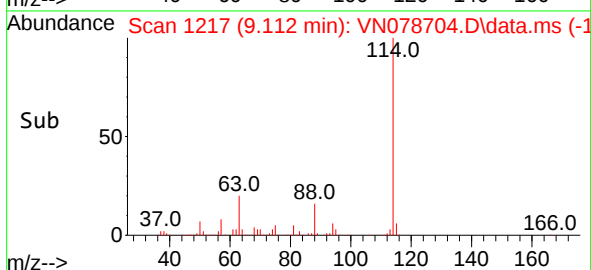
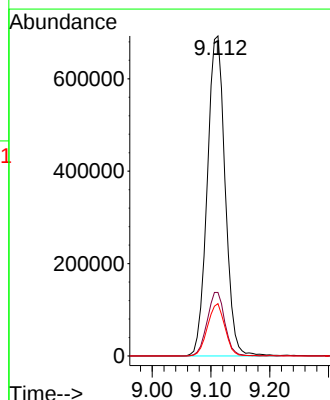
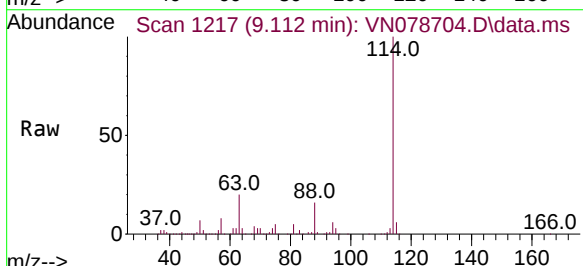
Instrument :
 MSVOA_N
 ClientSampleId :
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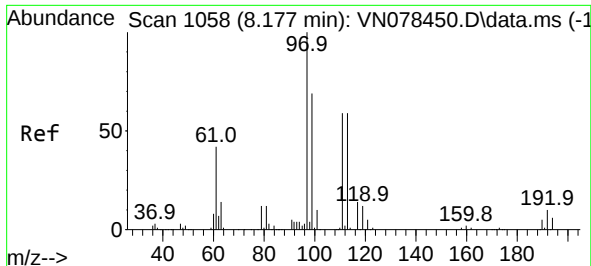
Tgt Ion: 65 Resp: 524471
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.112 min Scan# 1217
 Delta R.T. 0.006 min
 Lab File: VN078704.D
 Acq: 31 Jul 2023 14:47

Tgt Ion: 114 Resp: 1459529
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 36.4
 88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.916 ug/l

RT: 8.177 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078704.D

Acq: 31 Jul 2023 14:47

Instrument :

MSVOA_N

ClientSampleId :

HANOVER-ST-1

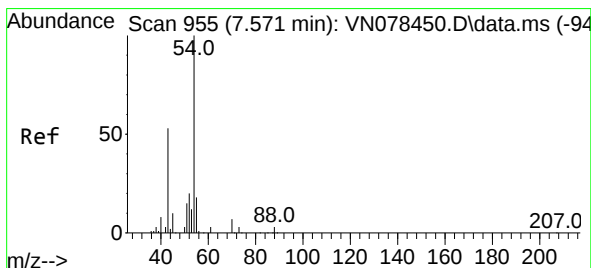
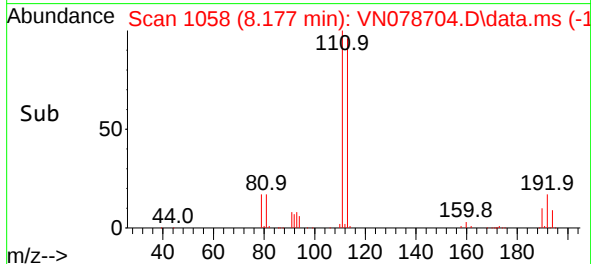
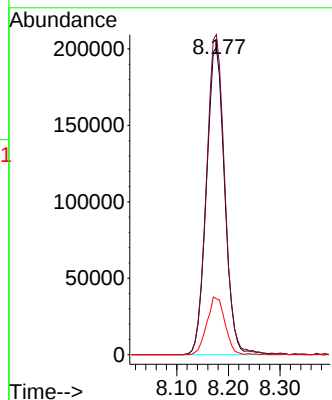
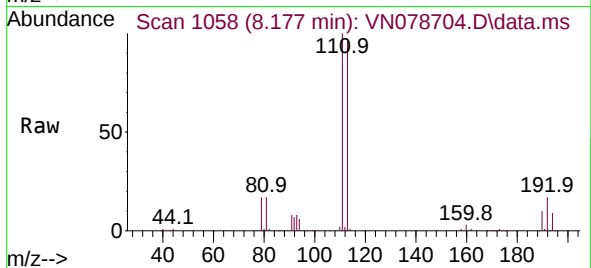
Tgt Ion:113 Resp: 494557

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 18.5 12.7 19.1



#37

Ethyl Acetate

Concen: 2.756 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN078704.D

Acq: 31 Jul 2023 14:47

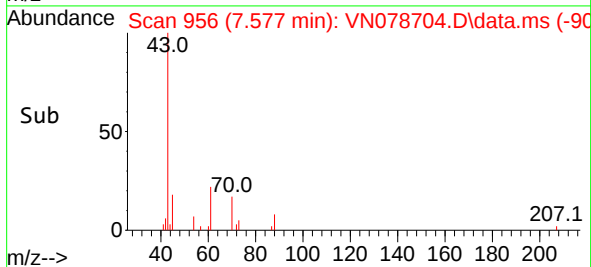
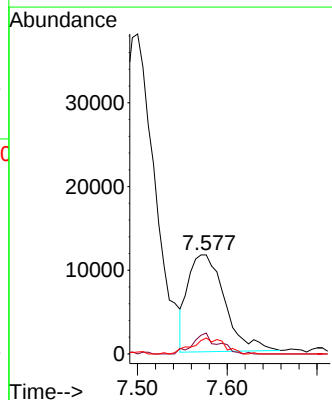
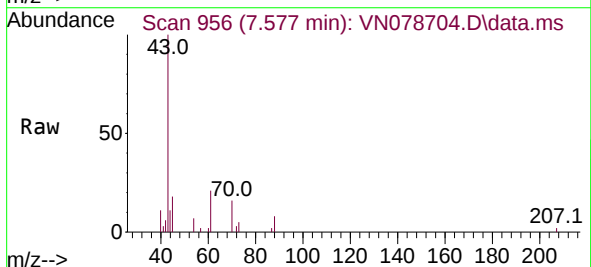
Tgt Ion: 43 Resp: 32865

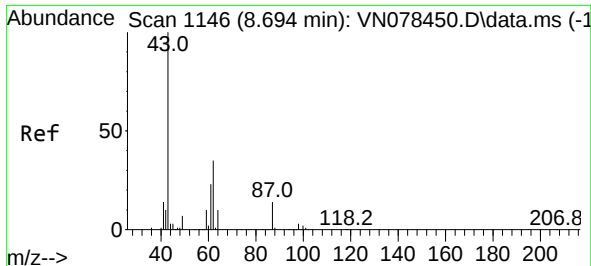
Ion Ratio Lower Upper

43 100

61 14.8 13.2 19.8

70 14.3 11.3 16.9

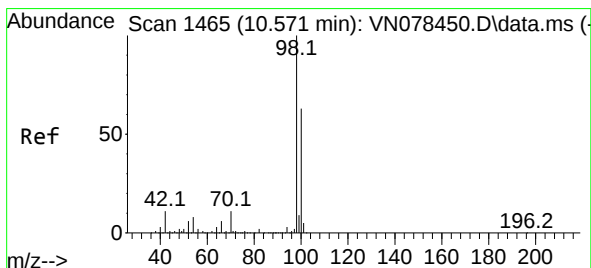
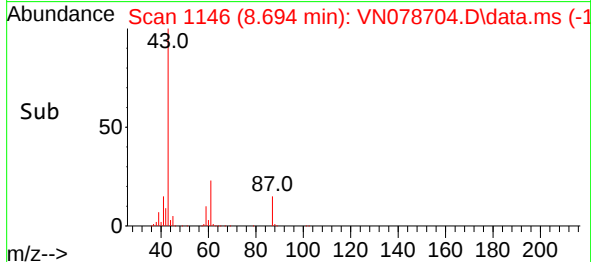
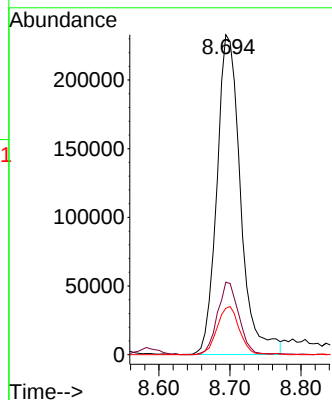
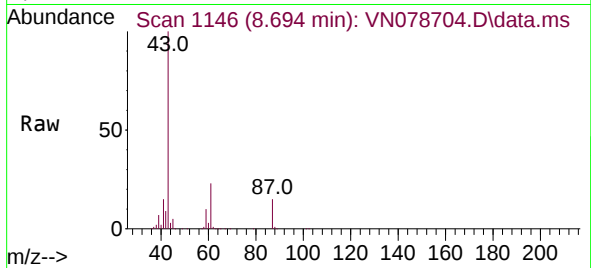




#43
Isopropyl Acetate
Concen: 27.385 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

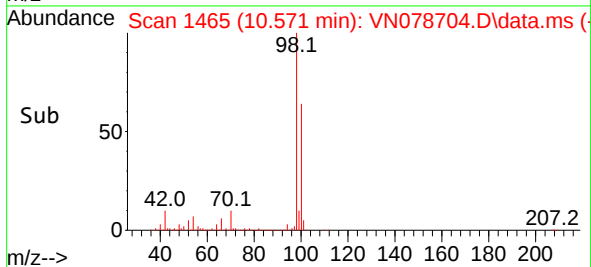
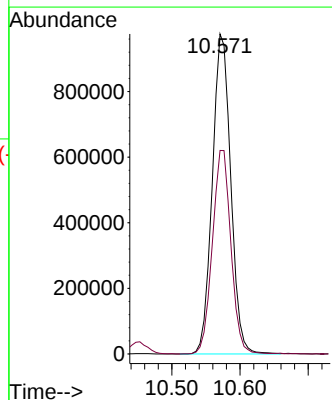
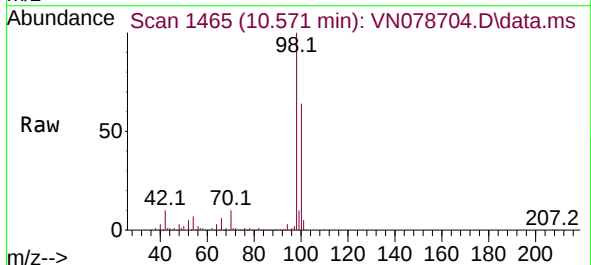
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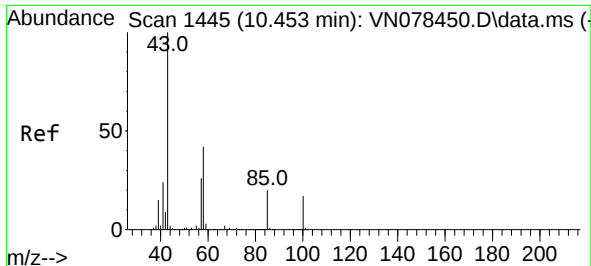
Tgt Ion: 43 Resp: 537672
Ion Ratio Lower Upper
43 100
61 20.7 24.7 37.1#
87 14.1 14.6 21.8#



#50
Toluene-d8
Concen: 49.006 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 98 Resp: 1834209
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

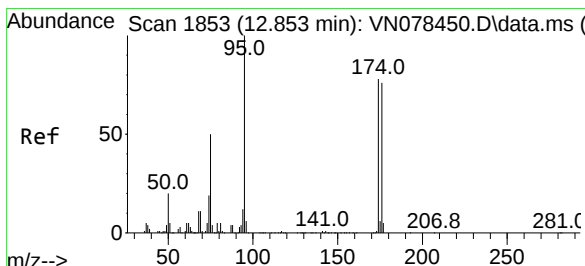
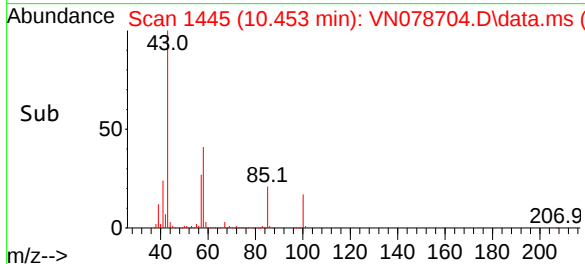
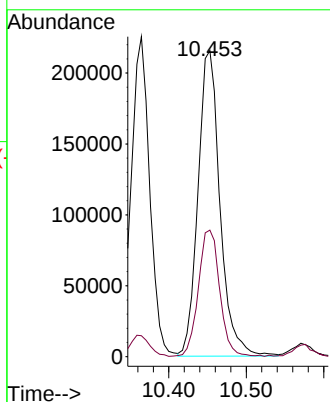
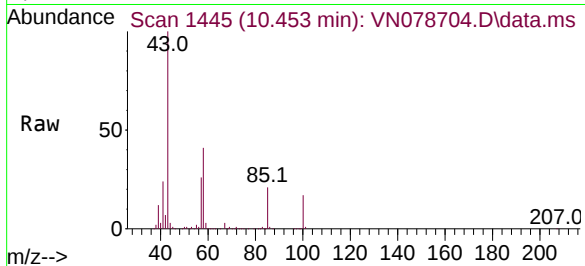




#51
4-Methyl-2-Pentanone
Concen: 36.389 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

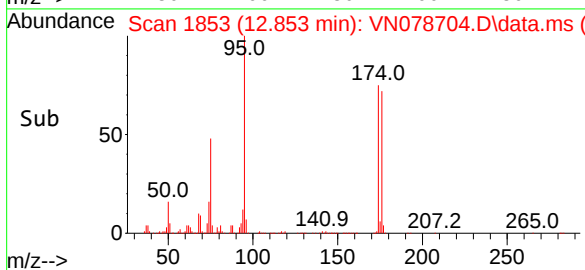
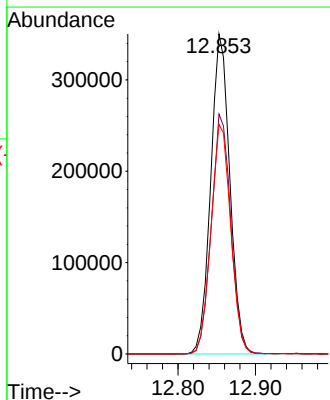
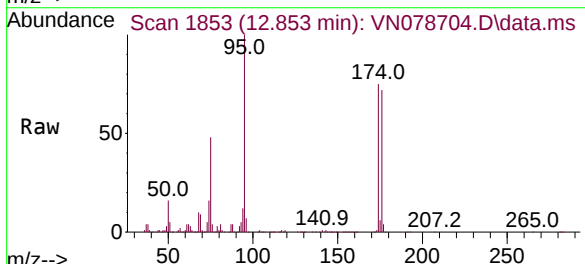
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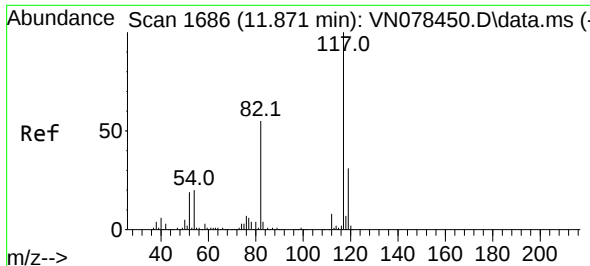
Tgt Ion: 43 Resp: 424971
Ion Ratio Lower Upper
43 100
58 40.2 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 95 Resp: 599847
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 74.0 0.0 135.8

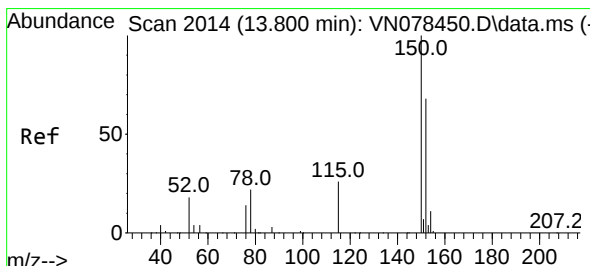
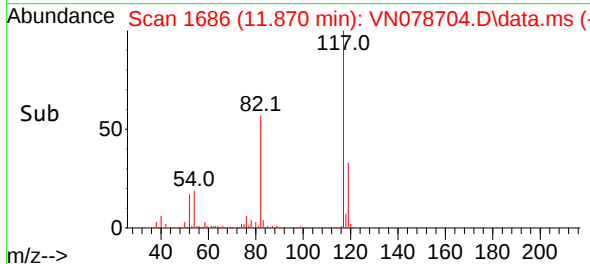
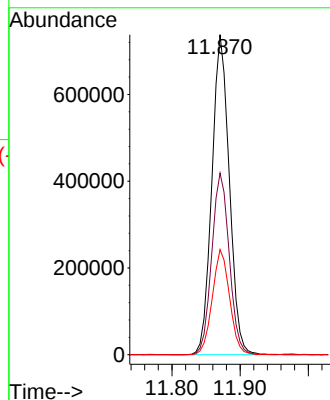
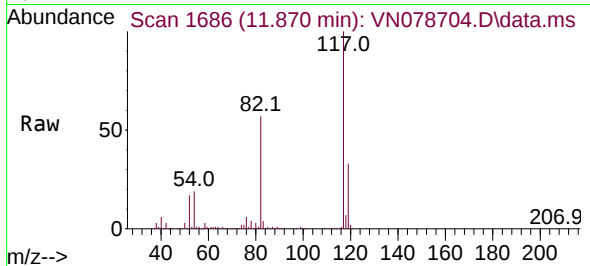




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN078704.D
Acq: 31 Jul 2023 14:47

Instrument :
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ClientSampleId :
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Tgt Ion:117 Resp: 1313574
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 32.8 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: VN078704.D
Acq: 31 Jul 2023 14:47

Tgt Ion:152 Resp: 471453
Ion Ratio Lower Upper
152 100
115 61.3 32.3 96.8
150 154.7 0.0 355.8

