

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078868.D
 Acq On : 11 Aug 2023 17:16
 Operator : JC\MD
 Sample : 03987-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JULY)DL

Quant Time: Aug 12 01:42:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

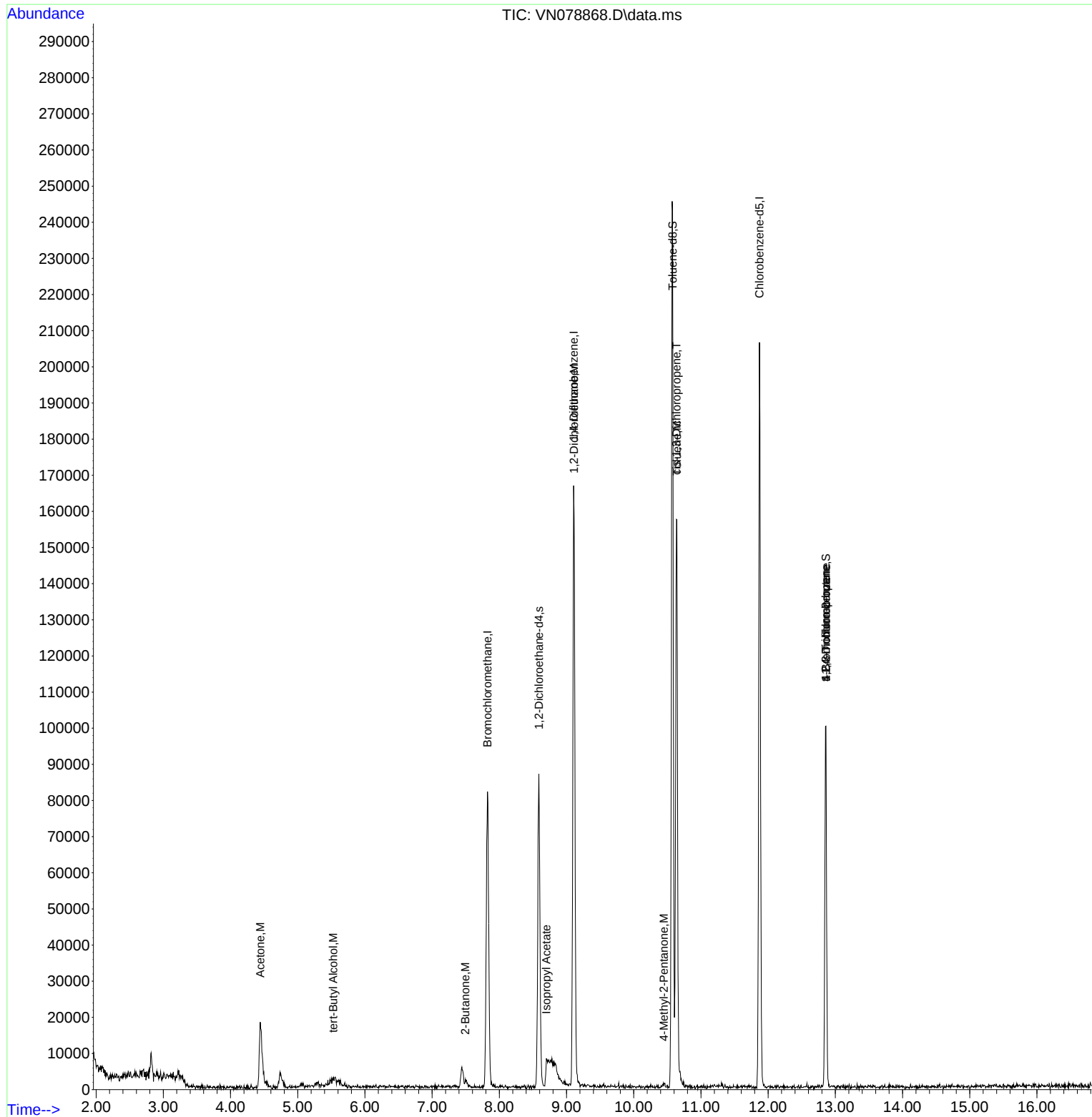
Internal Standards						
1) Bromochloromethane	7.824	128	26129	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	139694	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	110473	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	65432	31.105	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.667%			
60) 4-Bromofluorobenzene	12.859	95	33565	21.645	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 72.167%			
63) Toluene-d8	10.577	98	161342	29.804	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.333%			
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	5929	27.612	ug/l	90
23) tert-Butyl Alcohol	5.530	59	128	0.413	ug/l #	100
30) 2-Butanone	7.495	43	1245	1.119	ug/l #	77
36) 1,2-Dichloroethane	9.112	62	5628	2.331	ug/l #	75
44) Isopropyl Acetate	8.700	43	2608	0.629	ug/l	91
49) cis-1,3-Dichloropropene	10.635	75	641	0.233	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	551	0.259	ug/l #	79
62) Toluene	10.641	91	118791	18.264	ug/l	99
72) 1,2,3-Trichloropropane	12.859	75	19023	10.561	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.859	75	19023	33.647	ug/l #	16

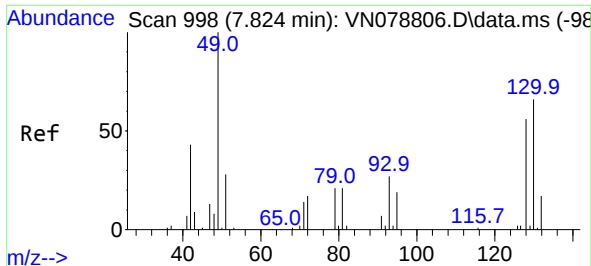
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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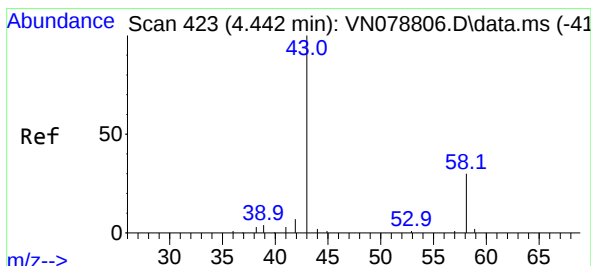
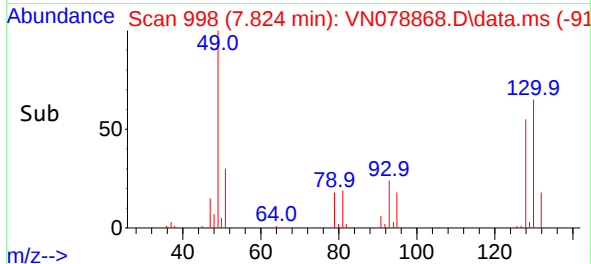
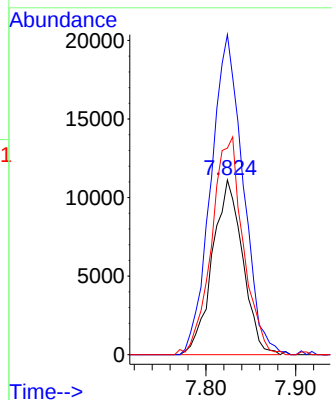
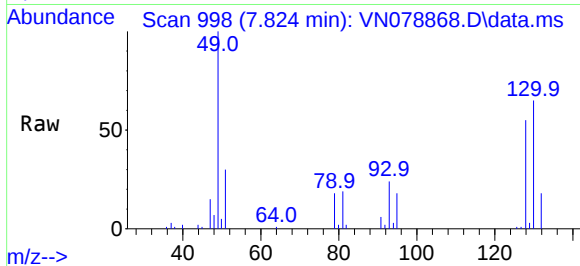




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

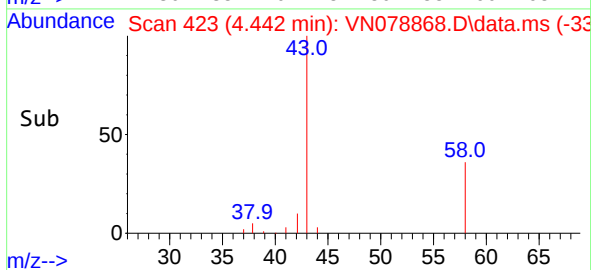
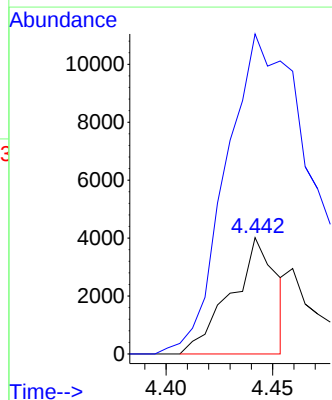
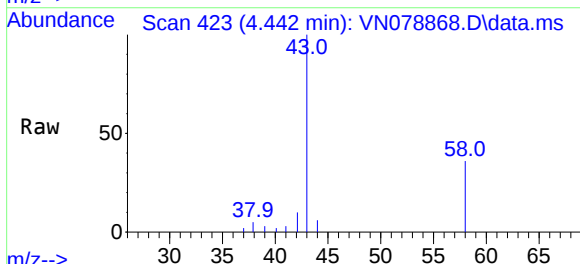
Instrument :
MSVOA_N
ClientSampleId :
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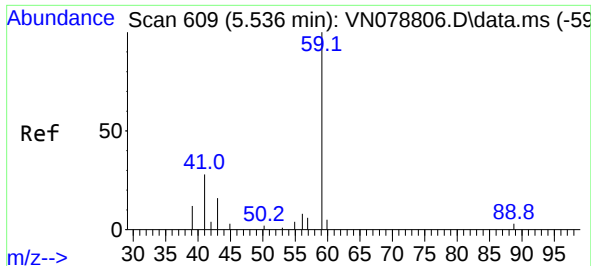
Tgt Ion:128 Resp: 26129
Ion Ratio Lower Upper
128 100
49 194.4 0.0 370.8
130 129.0 0.0 307.0



#15
Acetone
Concen: 27.612 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.000 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

Tgt Ion: 58 Resp: 5929
Ion Ratio Lower Upper
58 100
43 265.9 227.5 341.3

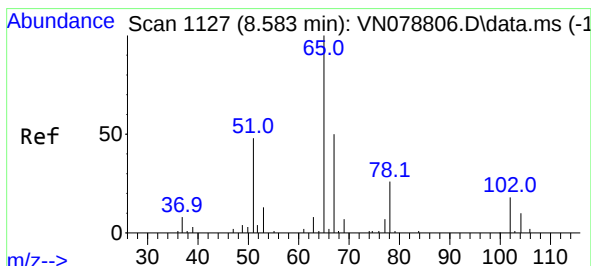
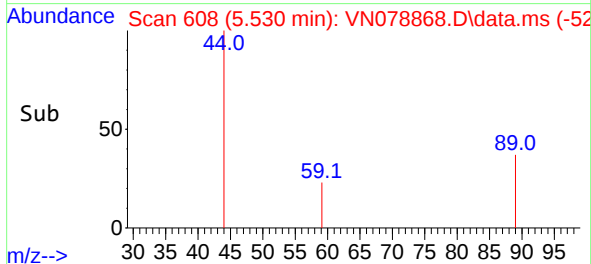
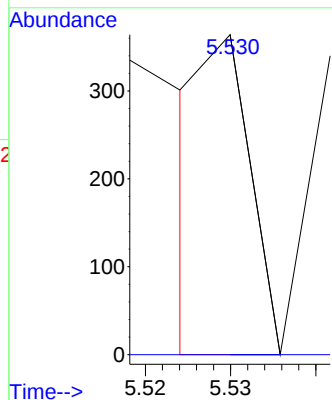
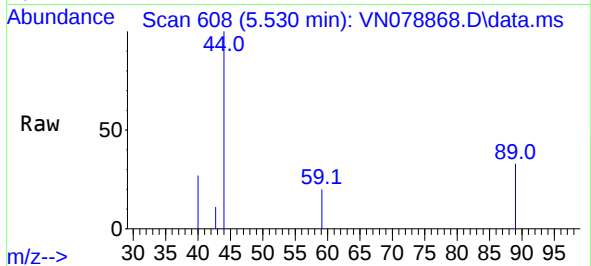




#23
tert-Butyl Alcohol
Concen: 0.413 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

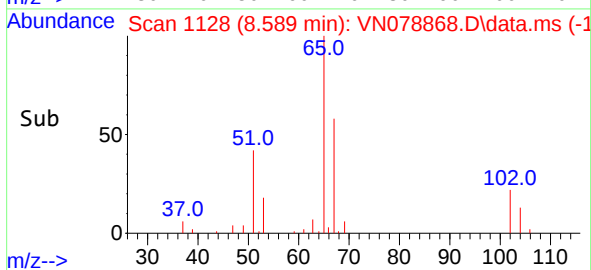
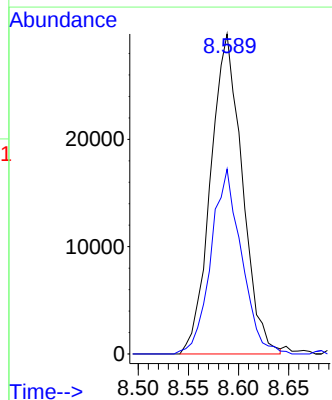
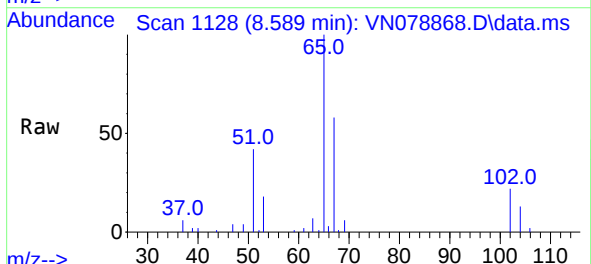
Instrument :
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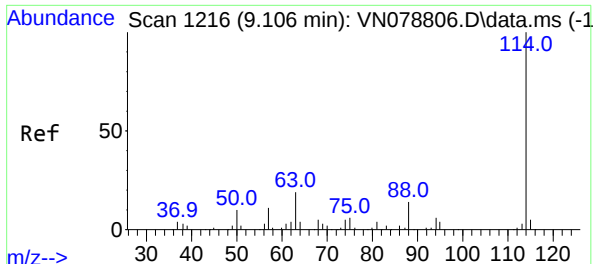
Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 31.105 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

Tgt Ion: 65 Resp: 65432
Ion Ratio Lower Upper
65 100
67 55.9 42.9 64.3

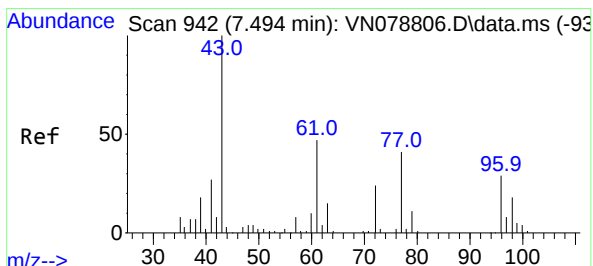
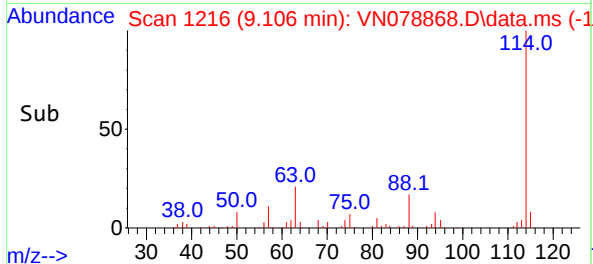
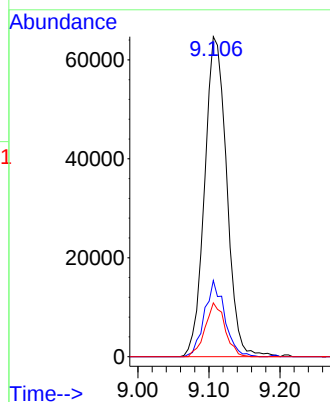
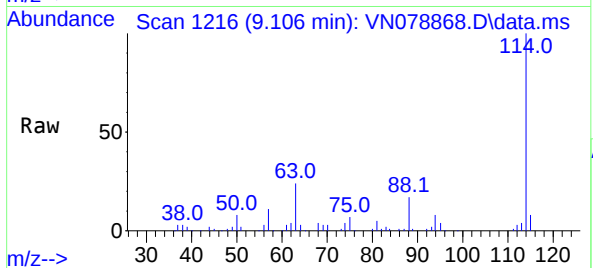




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

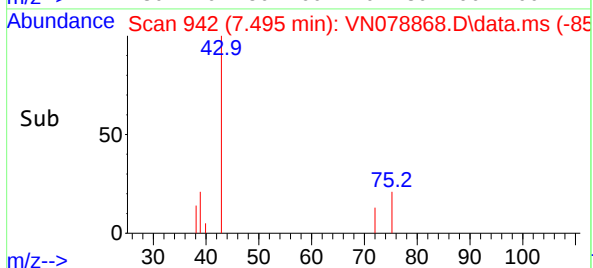
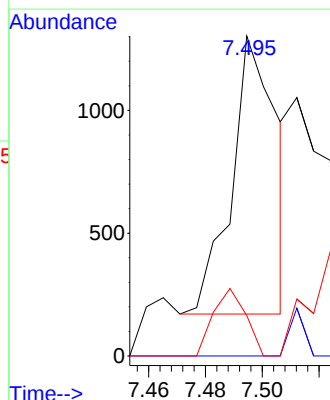
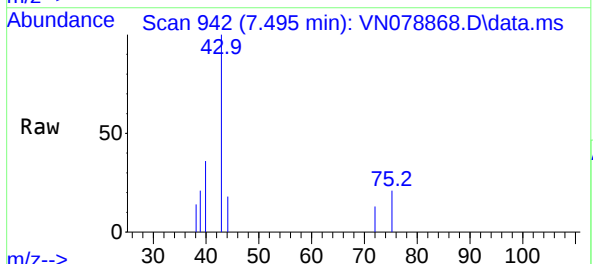
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)DL

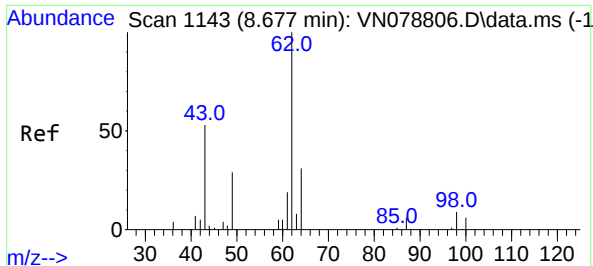
Tgt Ion:114 Resp: 139694
Ion Ratio Lower Upper
114 100
63 21.9 15.2 22.8
88 15.2 12.5 18.7



#30
2-Butanone
Concen: 1.119 ug/l
RT: 7.495 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

Tgt Ion: 43 Resp: 1245
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 17.5 23.8 35.6#

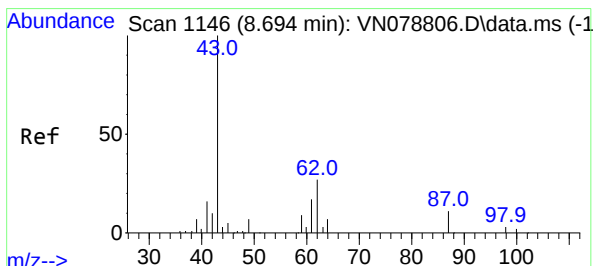
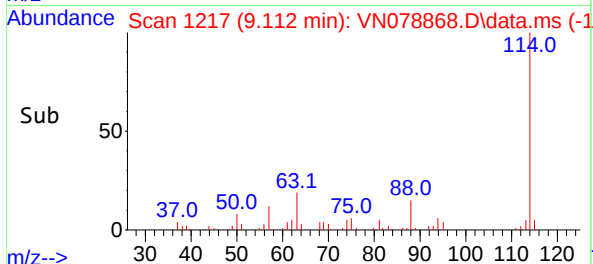
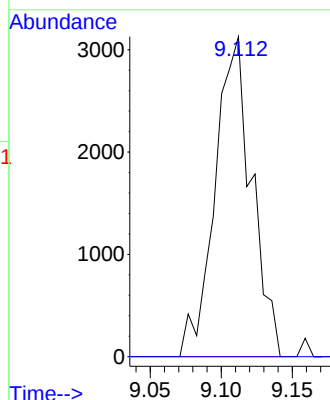
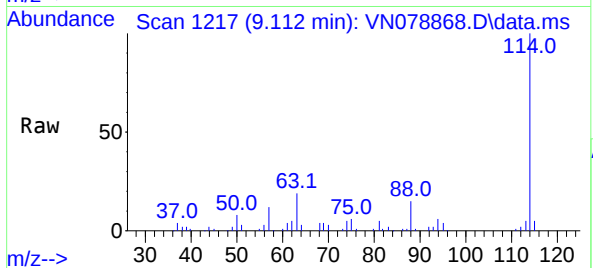




#36
1,2-Dichloroethane
Concen: 2.331 ug/l
RT: 9.112 min Scan# 1143
Delta R.T. 0.435 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

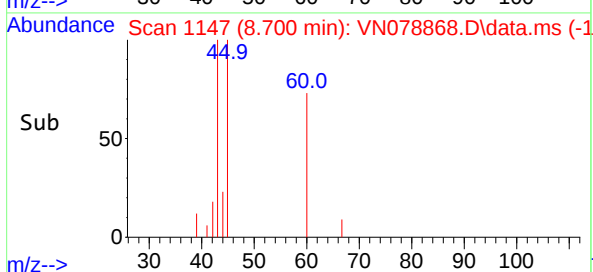
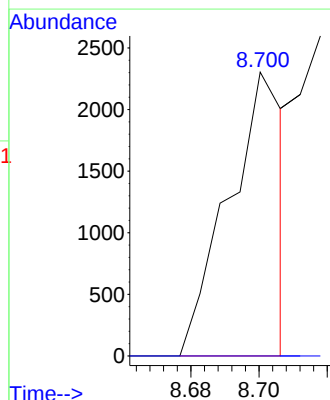
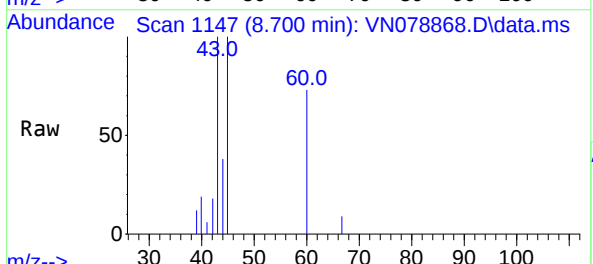
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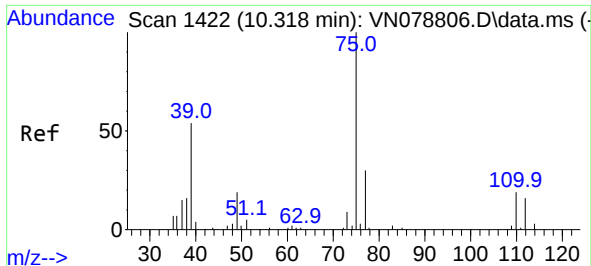
Tgt Ion: 62 Resp: 5628
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#44
Isopropyl Acetate
Concen: 0.629 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

Tgt Ion: 43 Resp: 2608
Ion Ratio Lower Upper
43 100
61 23.8 23.0 34.6

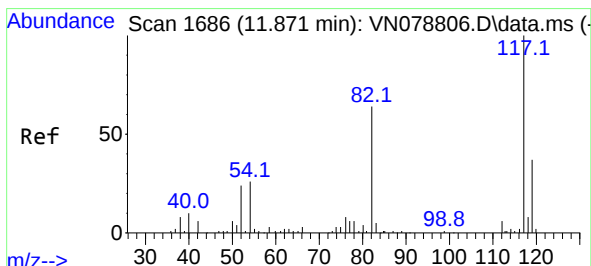
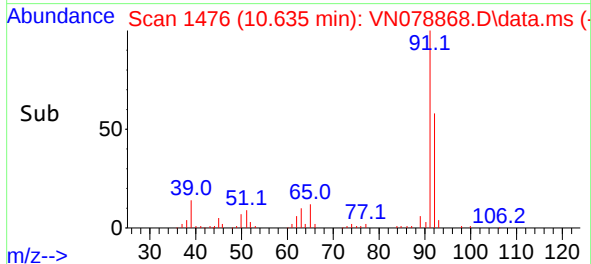
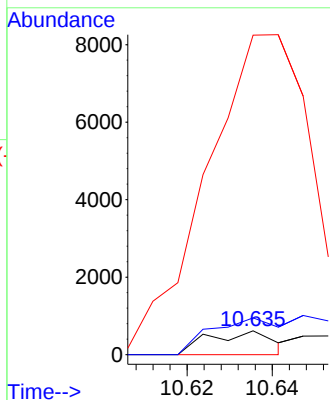
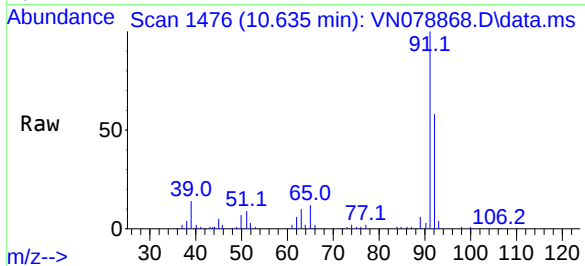




#49
cis-1,3-Dichloropropene
Concen: 0.233 ug/l
RT: 10.635 min Scan# 1422
Delta R.T. 0.318 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

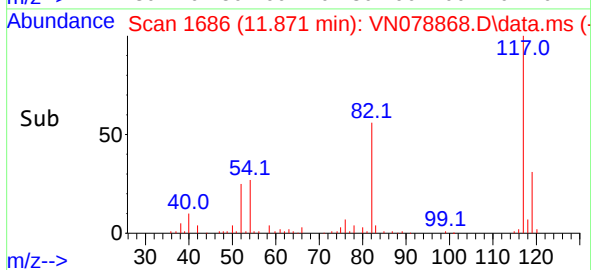
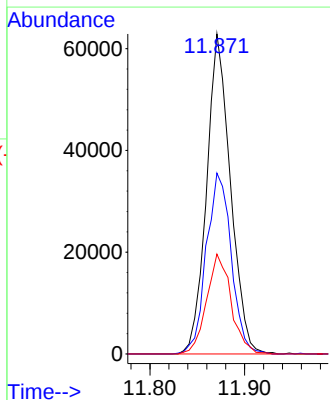
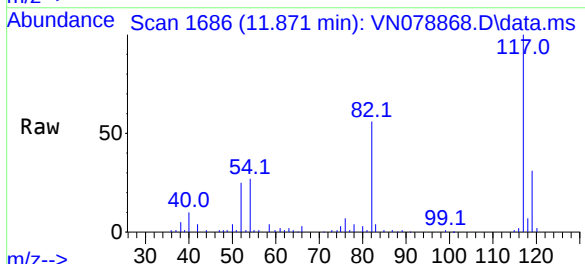
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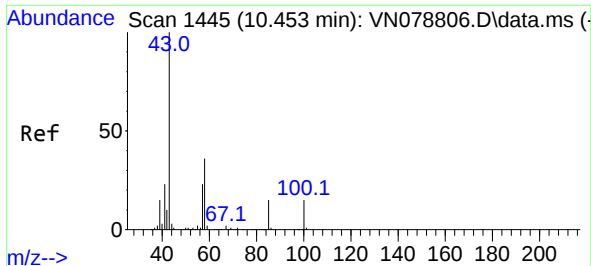
Tgt Ion: 75 Resp: 641
Ion Ratio Lower Upper
75 100
77 153.9 24.0 36.0#
39 1036.7 35.1 52.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

Tgt Ion: 117 Resp: 110473
Ion Ratio Lower Upper
117 100
82 59.0 43.9 65.9
119 31.9 26.2 39.4





#58

4-Methyl-2-Pentanone

Concen: 0.259 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VN078868.D

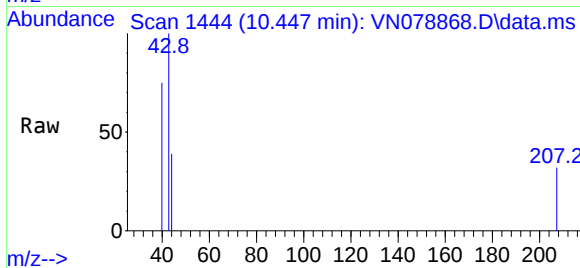
Acq: 11 Aug 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)DL



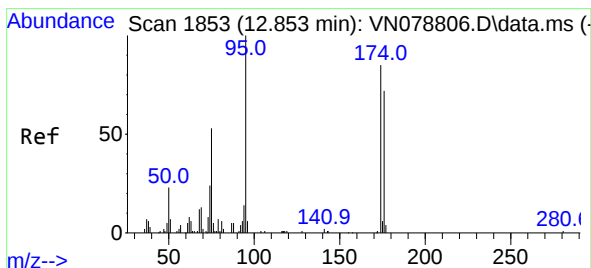
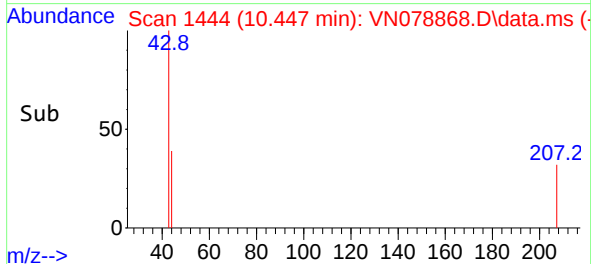
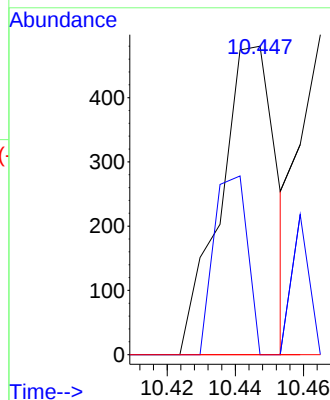
Tgt Ion: 43 Resp: 551

Ion Ratio Lower Upper

43 100

58 34.7 32.6 48.8

85 0.0 16.2 24.2#



#60

4-Bromofluorobenzene

Concen: 21.645 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN078868.D

Acq: 11 Aug 2023 17:16

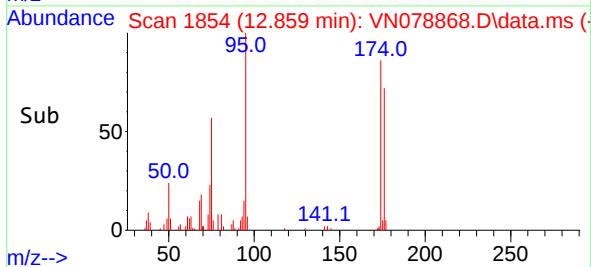
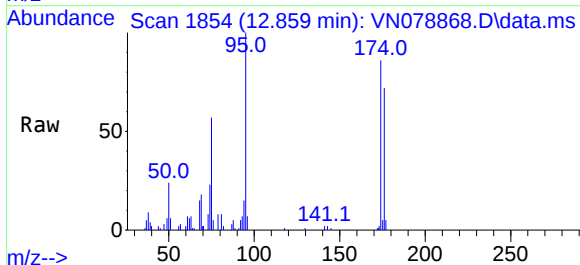
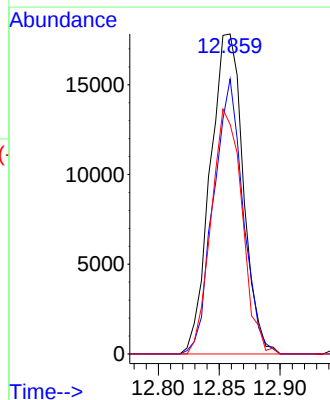
Tgt Ion: 95 Resp: 33565

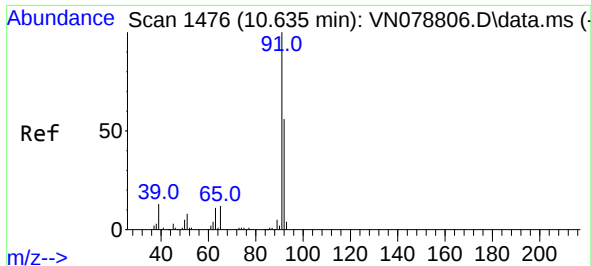
Ion Ratio Lower Upper

95 100

174 77.0 61.7 92.5

176 71.5 58.1 87.1

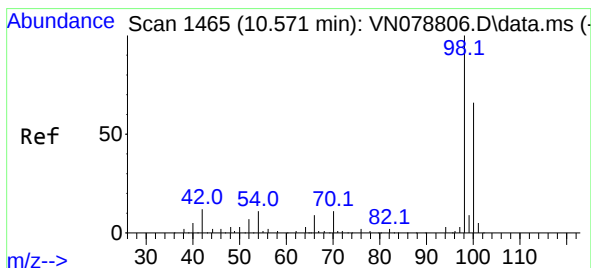
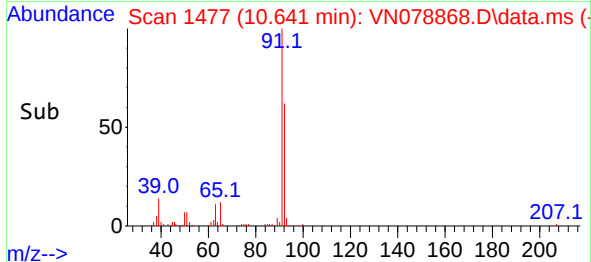
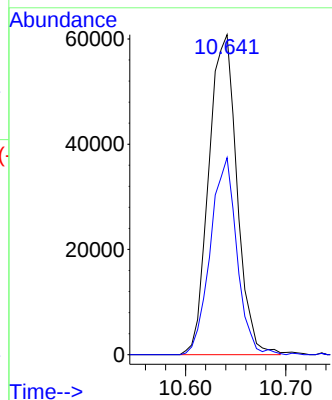
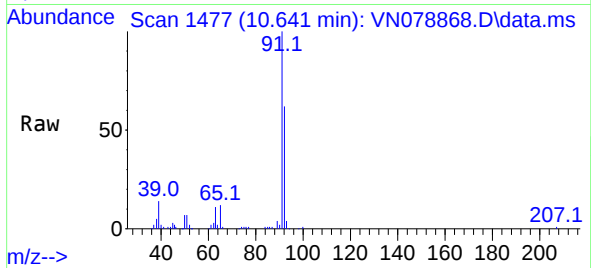




#62
Toluene
Concen: 18.264 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

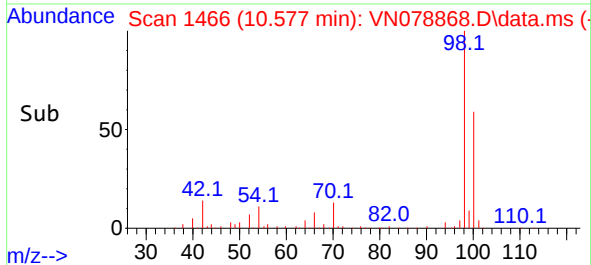
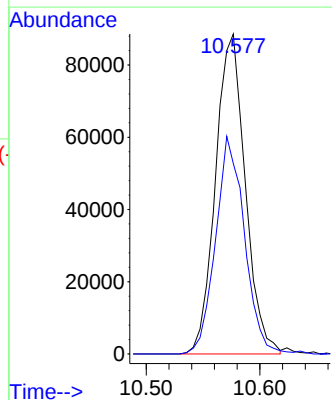
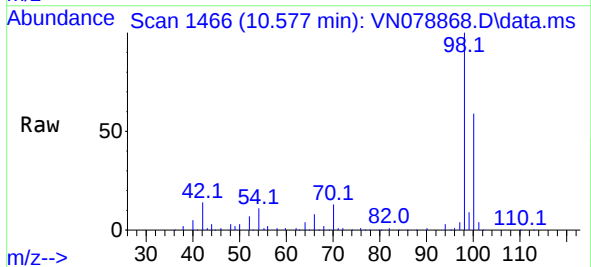
Instrument :
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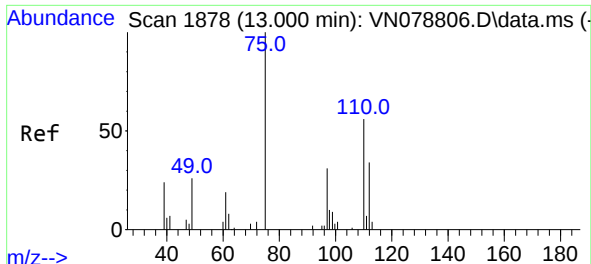
Tgt Ion: 91 Resp: 118791
Ion Ratio Lower Upper
91 100
92 57.5 45.2 67.8



#63
Toluene-d8
Concen: 29.804 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

Tgt Ion: 98 Resp: 161342
Ion Ratio Lower Upper
98 100
100 65.9 49.7 74.5

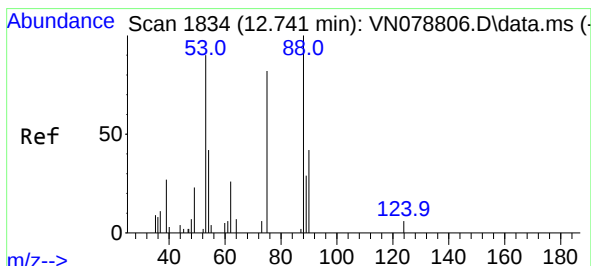
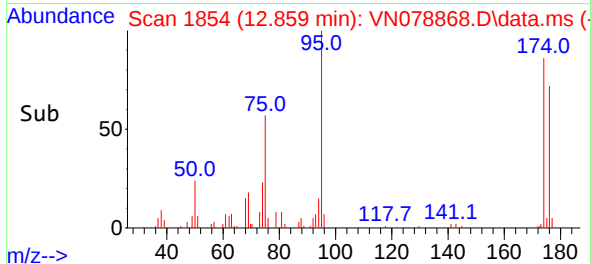
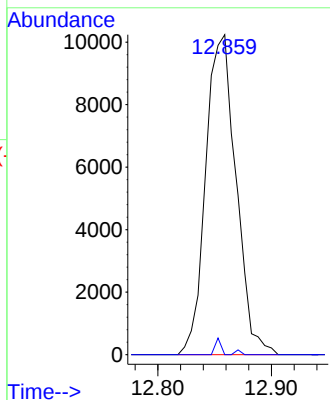
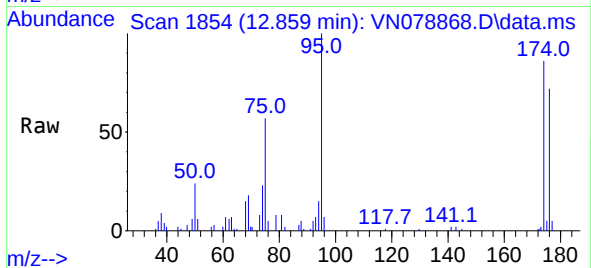




#72
1,2,3-Trichloropropane
Concen: 10.561 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)DL

Tgt Ion: 75 Resp: 19023
Ion Ratio Lower Upper
75 100
77 0.0 0.0 387.4



#77
t-1,4-Dichloro-2-butene
Concen: 33.647 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078868.D
Acq: 11 Aug 2023 17:16

Tgt Ion: 75 Resp: 19023
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 1.6 25.1 75.4#

