

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077596.D
 Acq On : 05 May 2023 17:17
 Operator : JC\MD
 Sample : 02599-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)

Quant Time: May 06 02:34:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

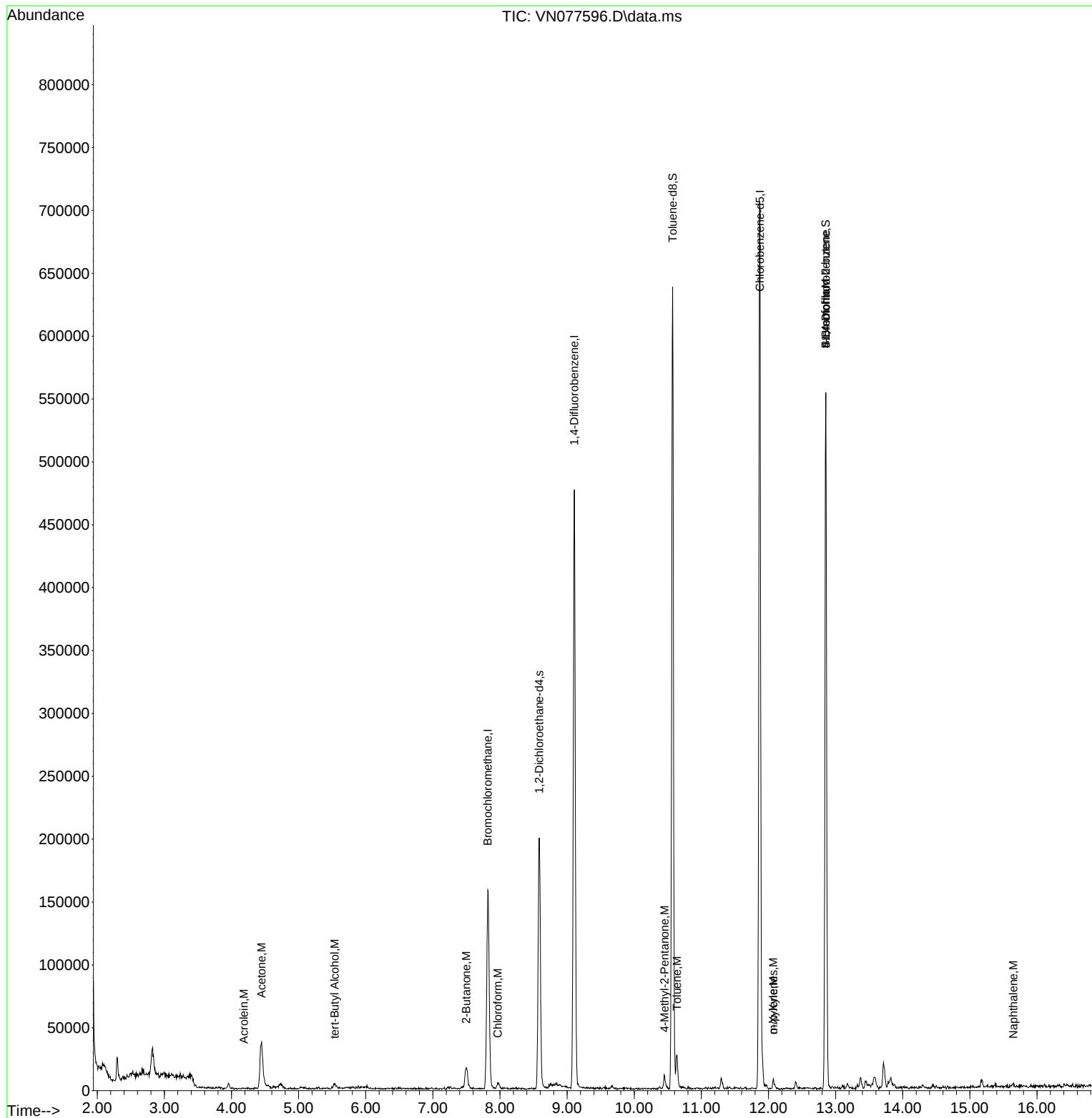
Internal Standards						
1) Bromochloromethane	7.819	128	59127	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	410356	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	431169	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	171055	32.451	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110		Recovery	= 108.167%	
60) 4-Bromofluorobenzene	12.854	95	205931	27.261	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112		Recovery	= 90.867%	
63) Toluene-d8	10.572	98	457589	30.118	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112		Recovery	= 100.400%	
Target Compounds						
					Qvalue	
13) Acrolein	4.184	56	306	0.293	ug/l #	15
15) Acetone	4.448	58	16176	18.934	ug/l	85
23) tert-Butyl Alcohol	5.537	59	2152	1.864	ug/l #	100
25) Chloroform	7.966	83	3081	0.238	ug/l #	76
30) 2-Butanone	7.495	43	30131	9.501	ug/l #	74
56) Bromoform	12.854	173	1261	0.285	ug/l #	1
58) 4-Methyl-2-Pentanone	10.454	43	6980	1.124	ug/l #	91
62) Toluene	10.636	91	20129	0.694	ug/l	100
67) m/p-Xylenes	12.071	106	2616	0.212	ug/l	96
68) o-Xylene	12.071	106	2616	0.214	ug/l	89
77) t-1,4-Dichloro-2-butene	12.854	75	110324	41.466	ug/l #	19
91) Naphthalene	15.648	128	2315	0.203	ug/l #	83

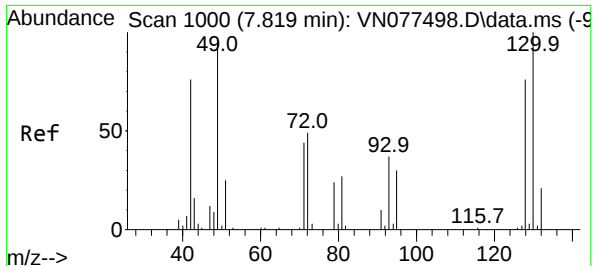
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
Data File : VN077596.D
Acq On : 05 May 2023 17:17
Operator : JC\MD
Sample : 02599-01RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

Quant Time: May 06 02:34:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 28 16:20:59 2023
Response via : Initial Calibration

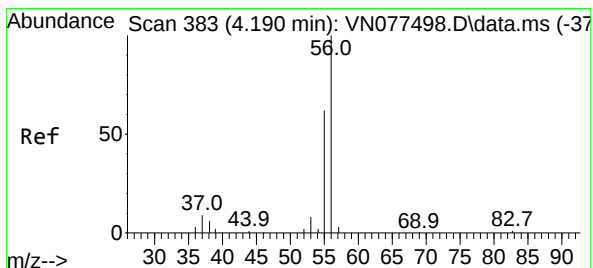
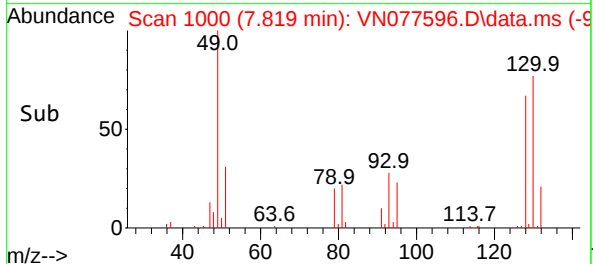
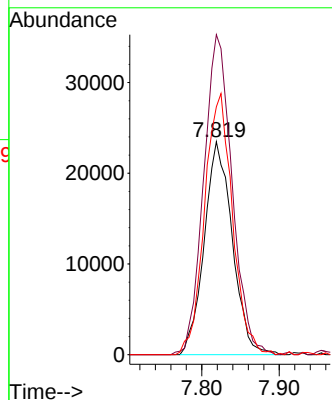
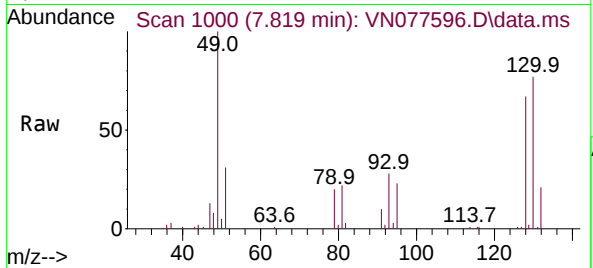




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

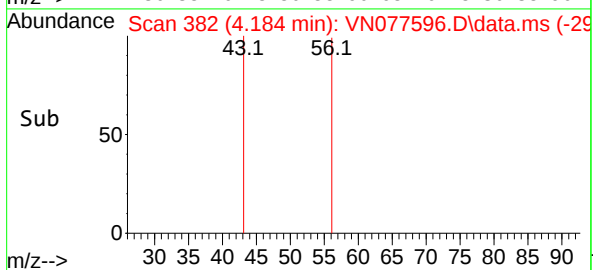
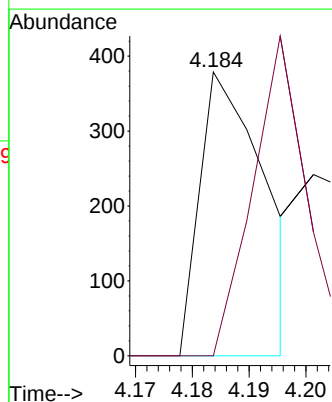
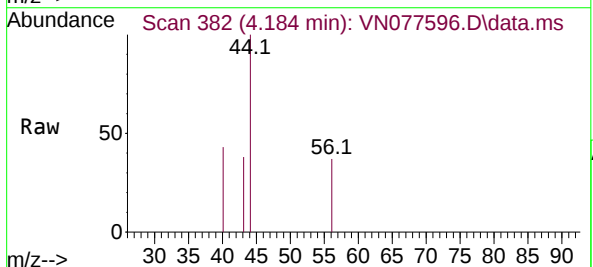
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

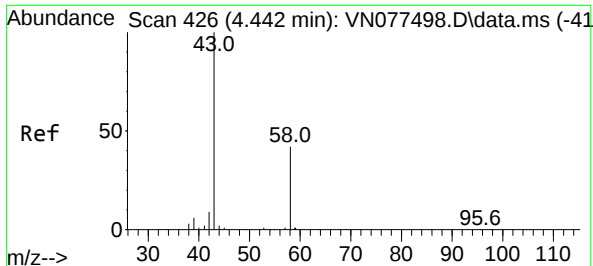
Tgt Ion:128 Resp: 59127
Ion Ratio Lower Upper
128 100
49 151.9 0.0 338.5
130 121.6 0.0 326.3



#13
Acrolein
Concen: 0.293 ug/l
RT: 4.184 min Scan# 382
Delta R.T. -0.006 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#





#15

Acetone

Concen: 18.934 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN077596.D

Acq: 05 May 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :

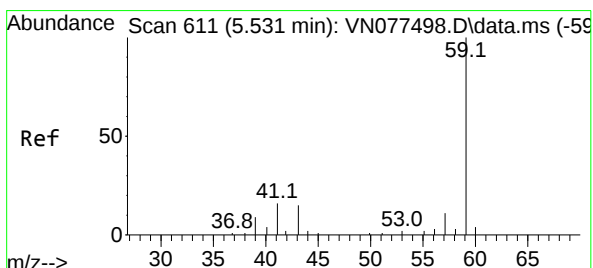
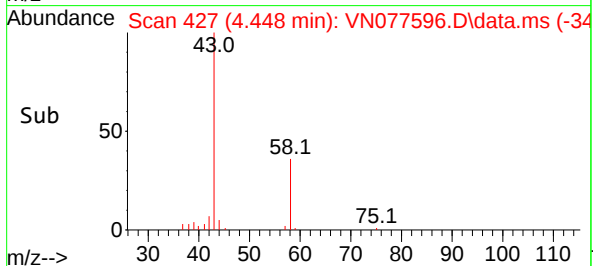
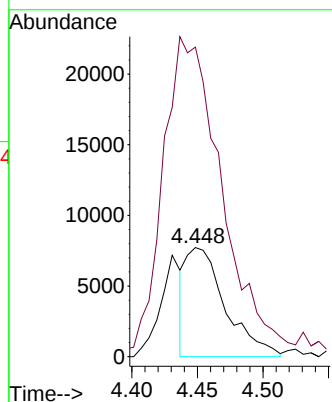
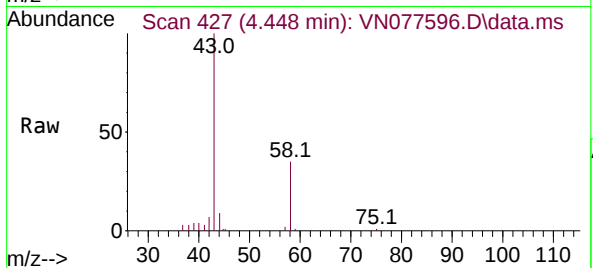
001-WILLETS-PT-BLVD(MAY)

Tgt Ion: 58 Resp: 16176

Ion Ratio Lower Upper

58 100

43 272.8 197.2 295.8



#23

tert-Butyl Alcohol

Concen: 1.864 ug/l

RT: 5.537 min Scan# 612

Delta R.T. 0.006 min

Lab File: VN077596.D

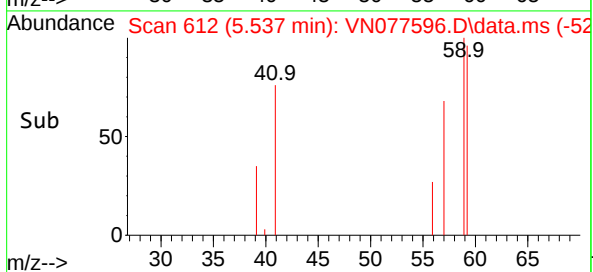
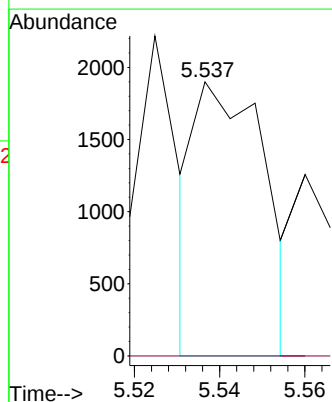
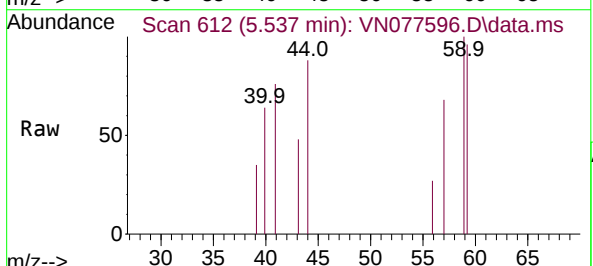
Acq: 05 May 2023 17:17

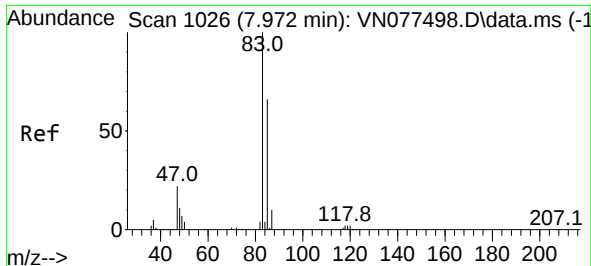
Tgt Ion: 59 Resp: 2152

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#25

Chloroform

Concen: 0.238 ug/l

RT: 7.966 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN077596.D

Acq: 05 May 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :

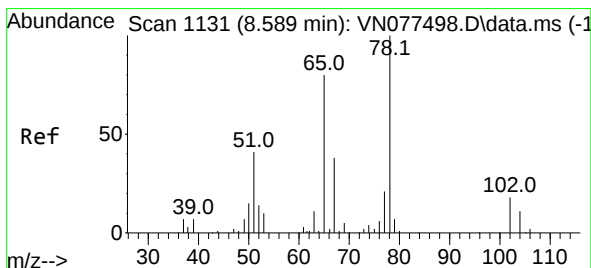
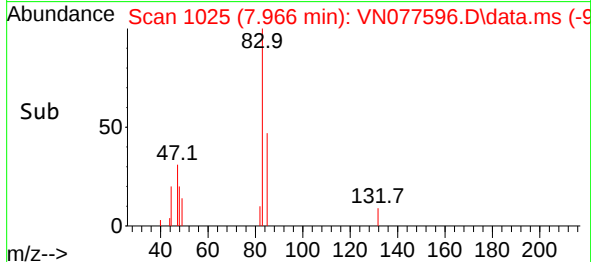
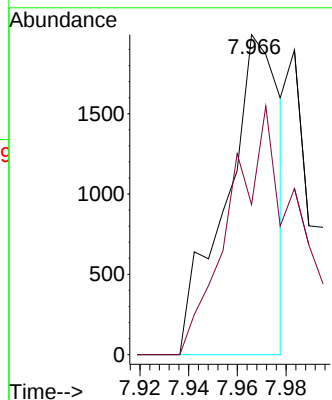
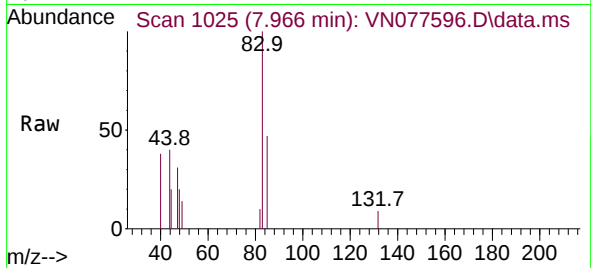
001-WILLETS-PT-BLVD(MAY)

Tgt Ion: 83 Resp: 3081

Ion Ratio Lower Upper

83 100

85 46.9 53.0 79.4#



#27

1,2-Dichloroethane-d4

Concen: 32.451 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN077596.D

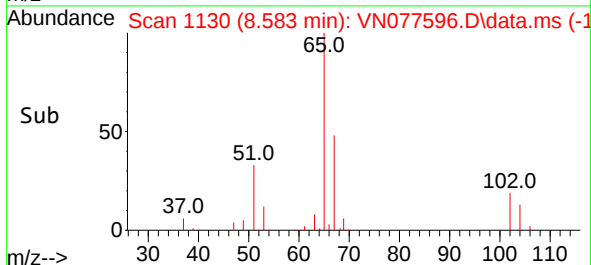
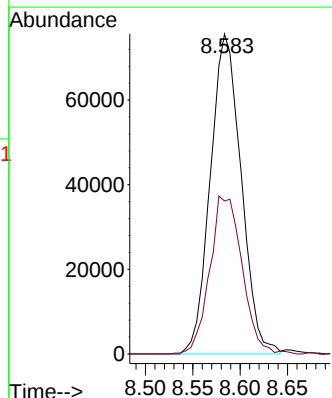
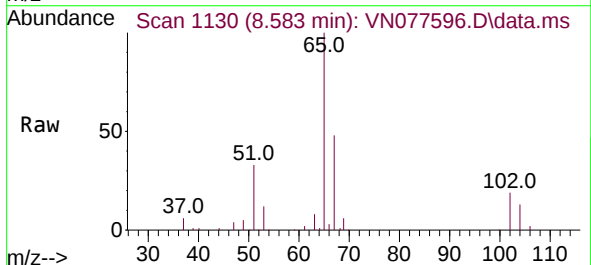
Acq: 05 May 2023 17:17

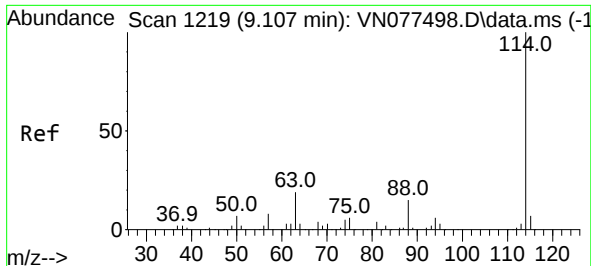
Tgt Ion: 65 Resp: 171055

Ion Ratio Lower Upper

65 100

67 51.6 40.2 60.2

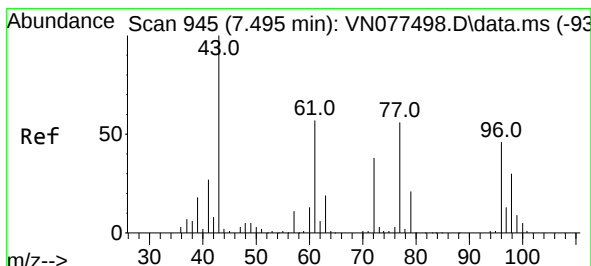
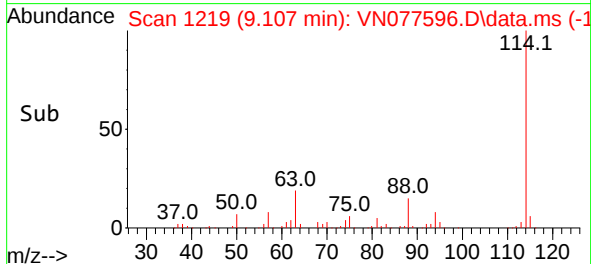
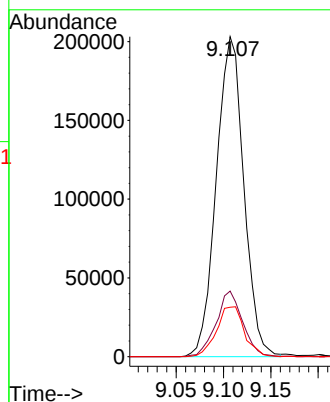
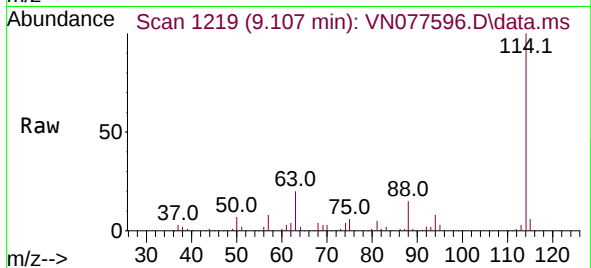




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

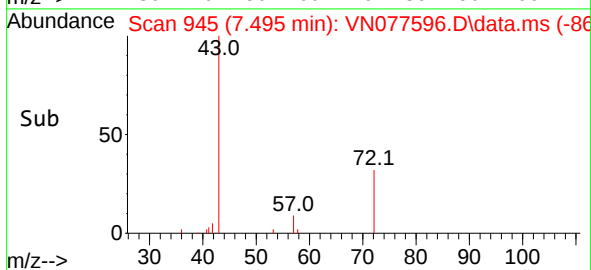
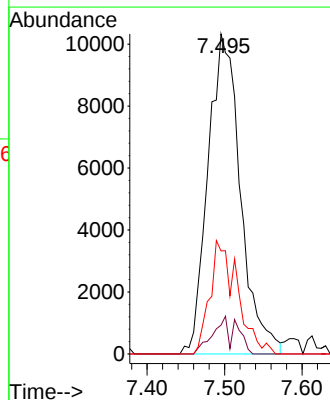
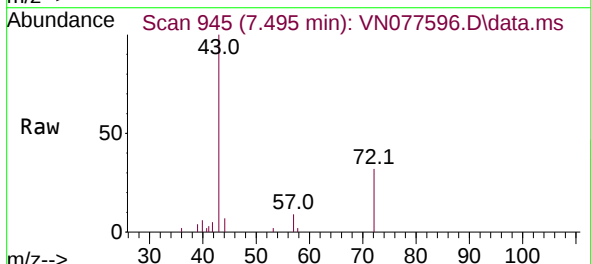
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

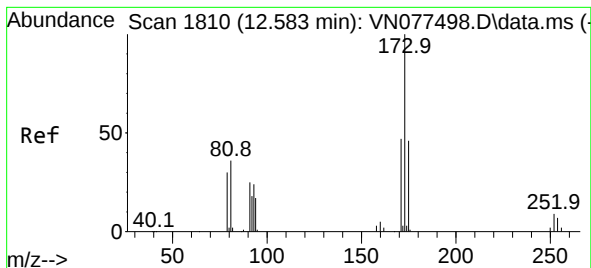
Tgt Ion:114 Resp: 410356
Ion Ratio Lower Upper
114 100
63 19.8 14.1 21.1
88 15.8 12.3 18.5



#30
2-Butanone
Concen: 9.501 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

Tgt Ion: 43 Resp: 30131
Ion Ratio Lower Upper
43 100
57 5.5 8.0 12.0#
72 19.8 30.4 45.6#





#56

Bromoform

Concen: 0.285 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.271 min

Lab File: VN077596.D

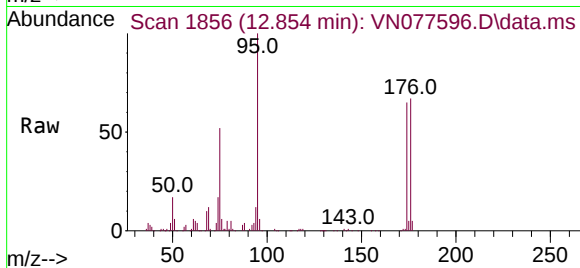
Acq: 05 May 2023 17:17

Instrument :

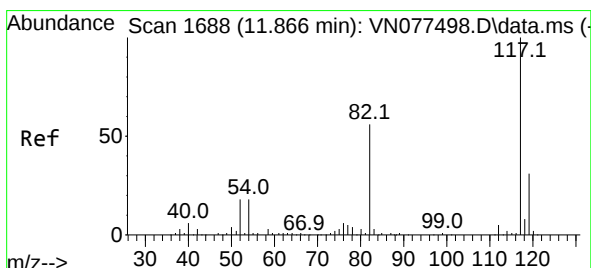
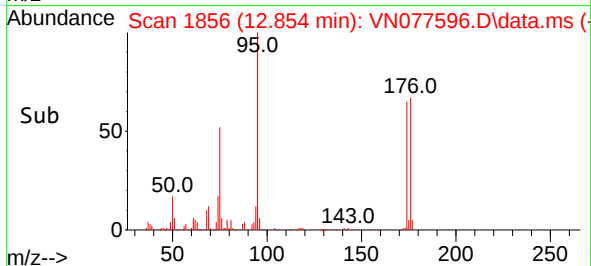
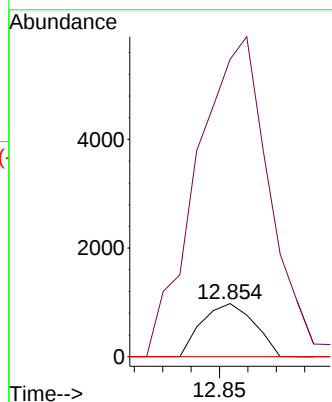
MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)



Tgt Ion:	173	Resp:	1261
Ion Ratio	Lower	Upper	
173	100		
175	829.5	40.3	60.5#
254	0.0	5.0	7.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

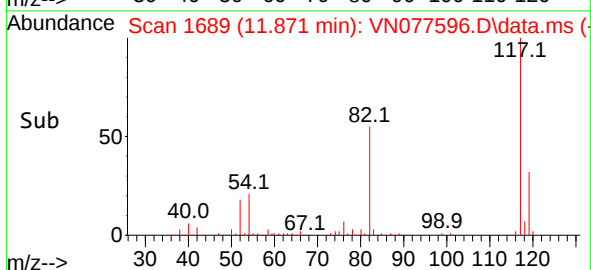
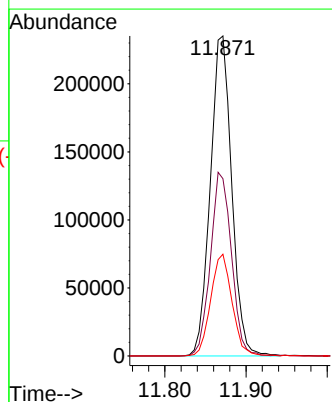
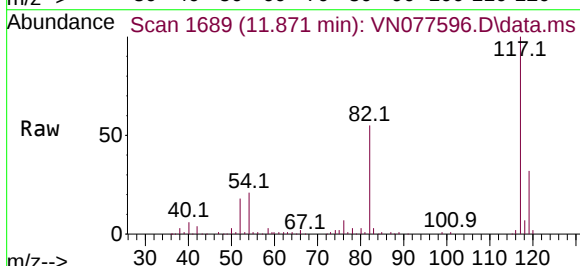
RT: 11.871 min Scan# 1689

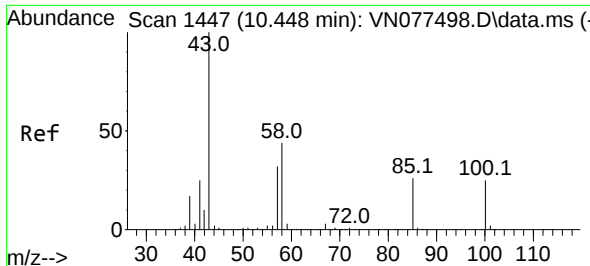
Delta R.T. 0.005 min

Lab File: VN077596.D

Acq: 05 May 2023 17:17

Tgt Ion:	117	Resp:	431169
Ion Ratio	Lower	Upper	
117	100		
82	56.4	44.2	66.2
119	31.7	25.4	38.2

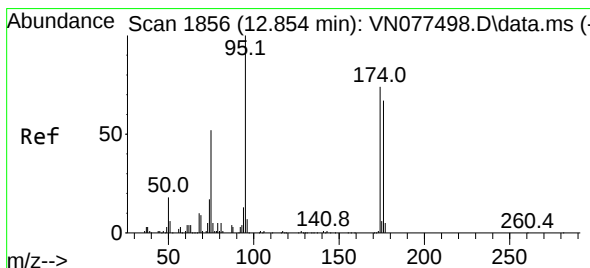
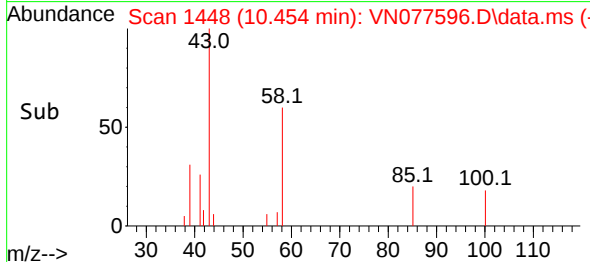
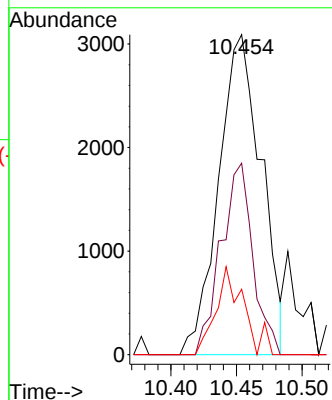
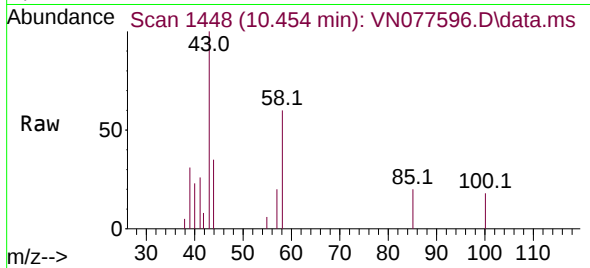




#58
4-Methyl-2-Pentanone
Concen: 1.124 ug/l
RT: 10.454 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

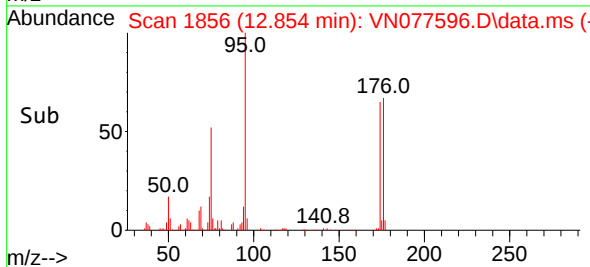
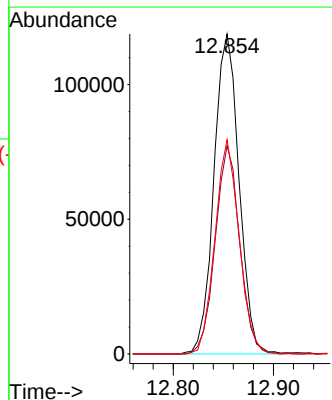
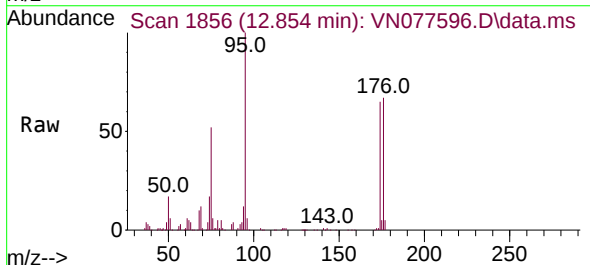
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

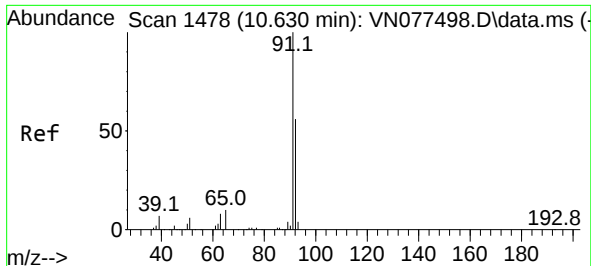
Tgt Ion: 43 Resp: 6980
Ion Ratio Lower Upper
43 100
58 44.7 37.2 55.8
85 16.3 21.1 31.7#



#60
4-Bromofluorobenzene
Concen: 27.261 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

Tgt Ion: 95 Resp: 205931
Ion Ratio Lower Upper
95 100
174 63.4 55.9 83.9
176 64.5 53.9 80.9

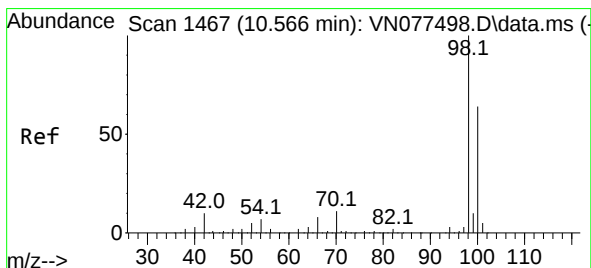
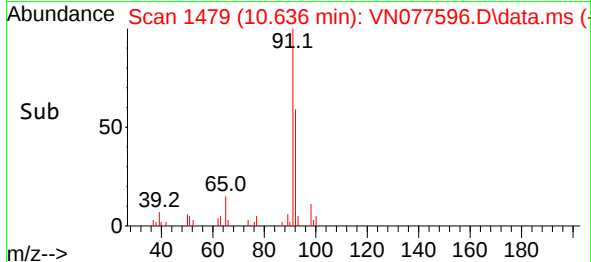
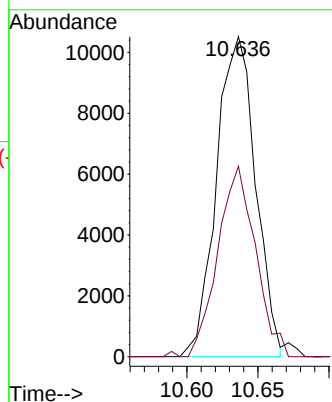
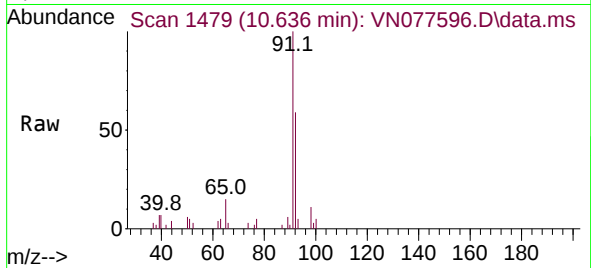




#62
Toluene
Concen: 0.694 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

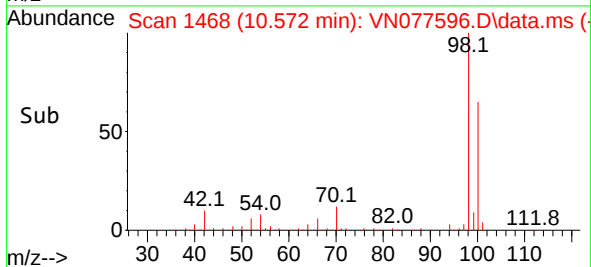
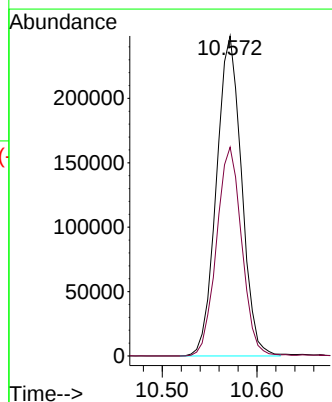
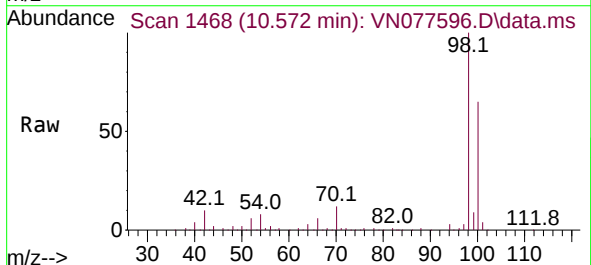
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

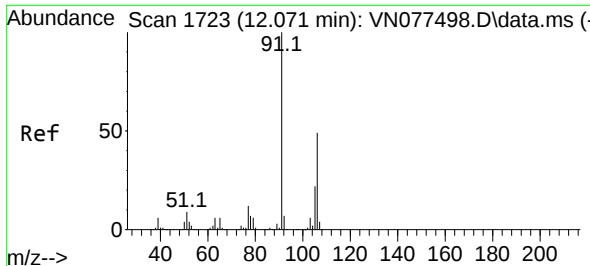
Tgt Ion: 91 Resp: 20129
Ion Ratio Lower Upper
91 100
92 57.3 46.1 69.1



#63
Toluene-d8
Concen: 30.118 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

Tgt Ion: 98 Resp: 457589
Ion Ratio Lower Upper
98 100
100 65.5 51.0 76.4

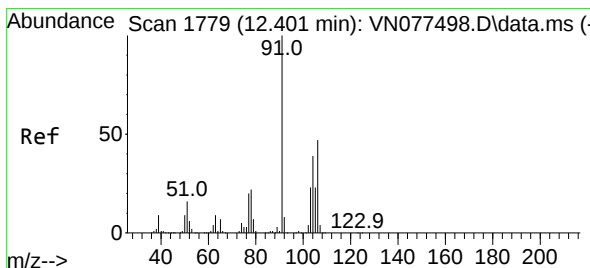
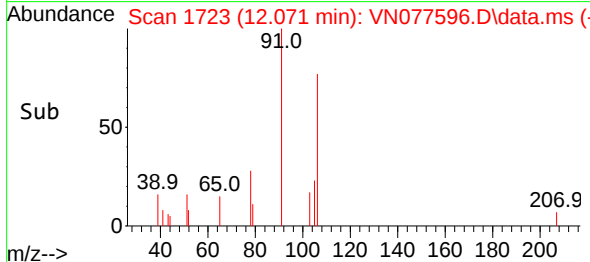
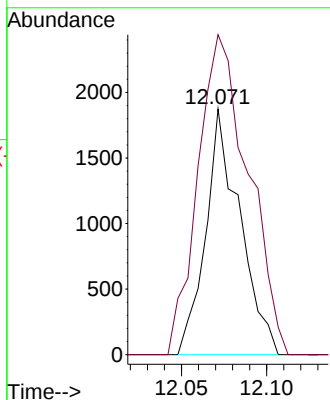
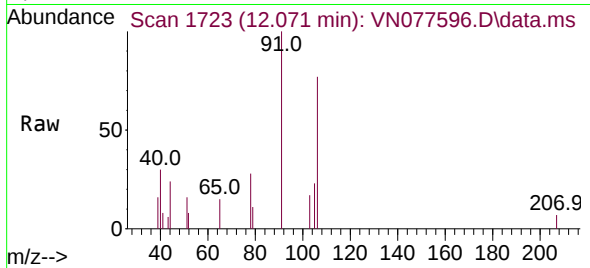




#67
m/p-Xylenes
Concen: 0.212 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

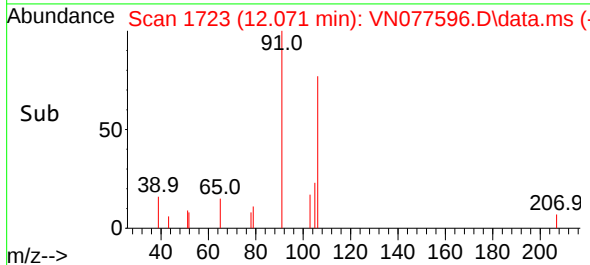
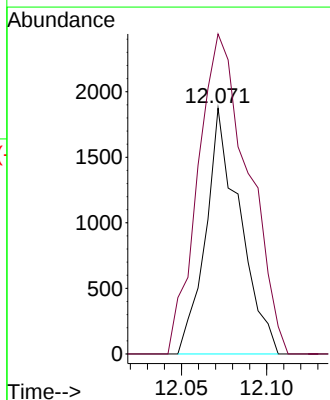
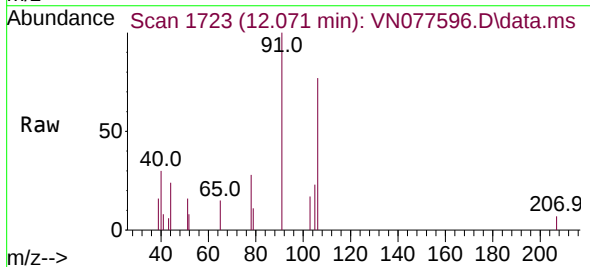
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

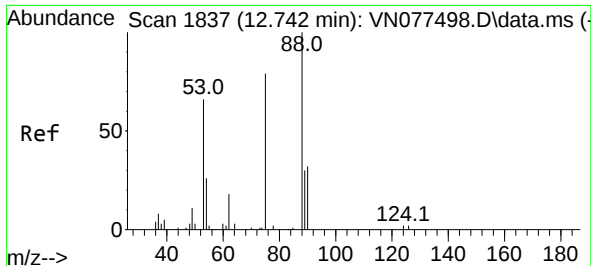
Tgt Ion:106 Resp: 2616
Ion Ratio Lower Upper
106 100
91 191.6 157.9 236.9



#68
o-Xylene
Concen: 0.214 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.330 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

Tgt Ion:106 Resp: 2616
Ion Ratio Lower Upper
106 100
91 191.6 104.6 313.8

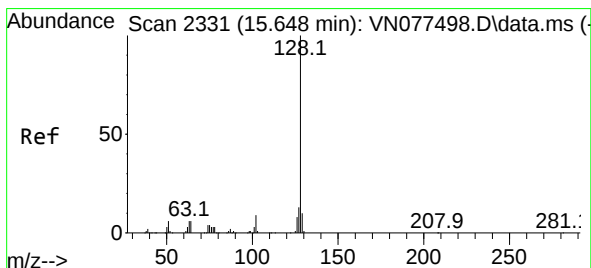
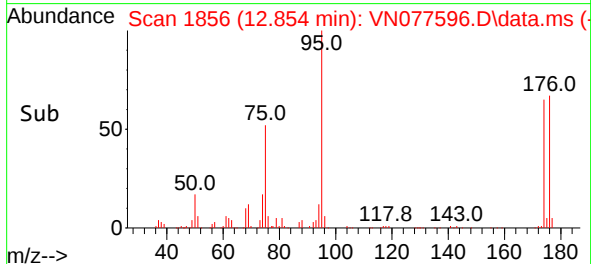
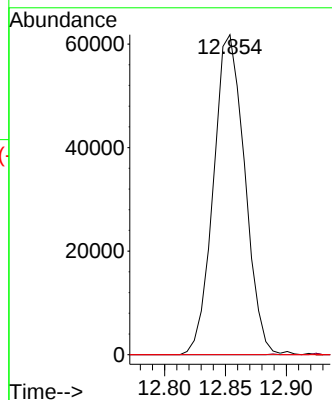
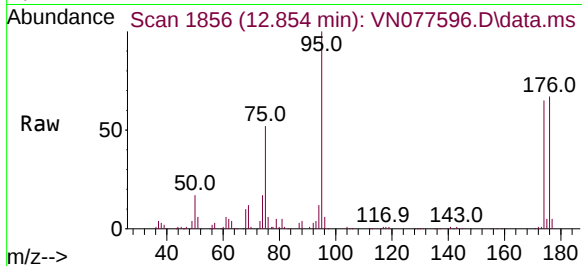




#77
t-1,4-Dichloro-2-butene
Concen: 41.466 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

Tgt Ion: 75 Resp: 110324
Ion Ratio Lower Upper
75 100
53 0.0 38.2 114.6#
89 0.0 22.1 66.1#



#91
Naphthalene
Concen: 0.203 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN077596.D
Acq: 05 May 2023 17:17

Tgt Ion:128 Resp: 2315
Ion Ratio Lower Upper
128 100
127 15.6 10.4 15.6#
129 0.0 8.7 13.1#

