

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074886.D
 Acq On : 12 Oct 2022 19:34
 Operator : JC\MD
 Sample : N5089-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Oct 13 08:03:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

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

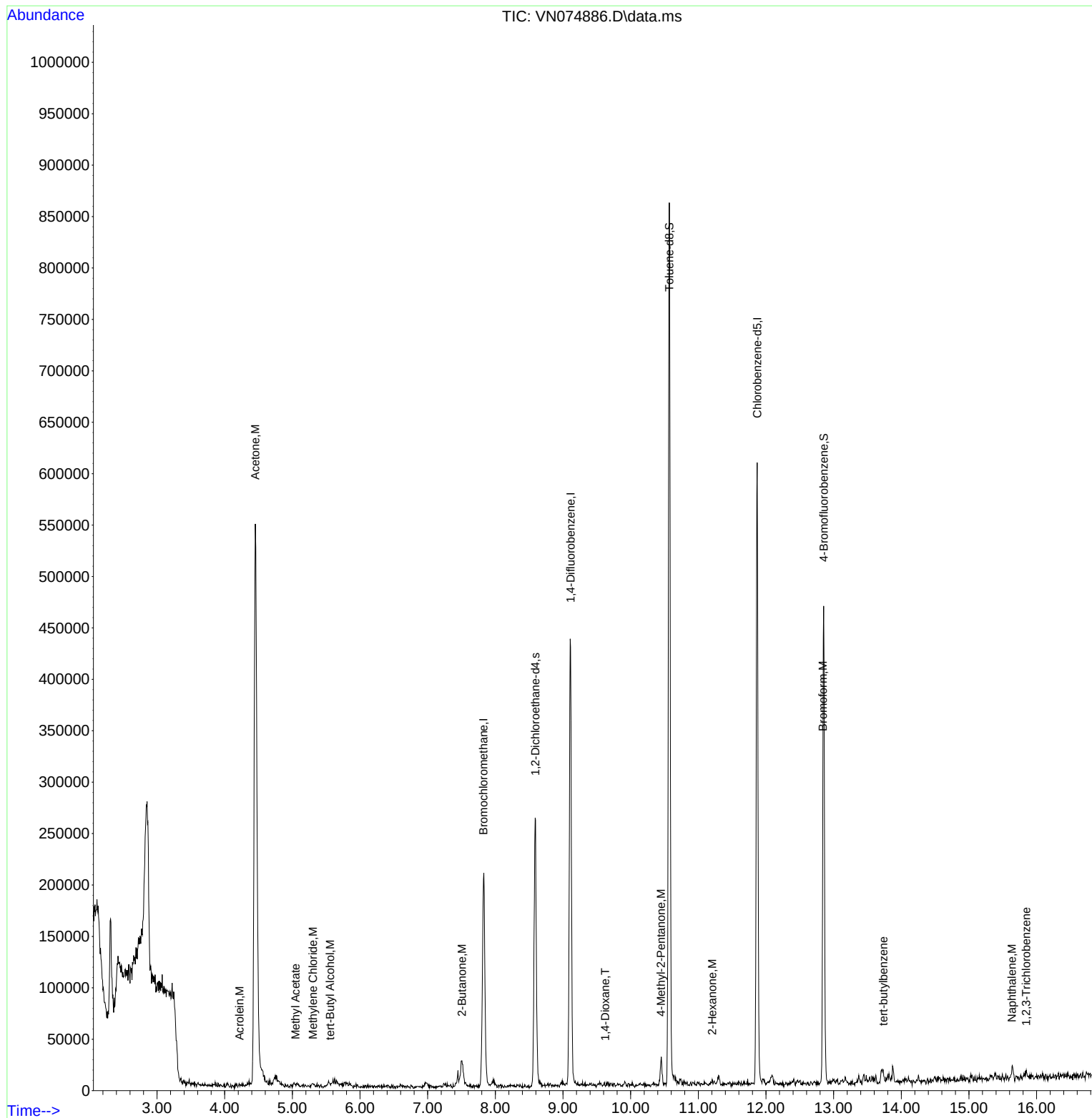
Internal Standards						
1) Bromochloromethane	7.824	128	67430	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	378566	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	329460	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.594	65	193217	30.607	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.033%
60) 4-Bromofluorobenzene	12.853	95	143447	24.552	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.833%
63) Toluene-d8	10.571	98	585939	30.815	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.700%
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.048	43	3670	0.370	ug/l #	82
13) Acrolein	4.218	56	306	0.218	ug/l #	30
15) Acetone	4.454	58	331736	327.192	ug/l	87
18) Methylene Chloride	5.306	84	1380	0.259	ug/l #	29
23) tert-Butyl Alcohol	5.559	59	1106	0.710	ug/l #	100
30) 2-Butanone	7.506	43	40615	7.452	ug/l #	82
45) 1,4-Dioxane	9.624	88	114	0.759	ug/l #	1
56) Bromoform	12.841	173	1156	0.287	ug/l #	35
58) 4-Methyl-2-Pentanone	10.447	43	18184	1.775	ug/l #	87
59) 2-Hexanone	11.206	43	3456	0.438	ug/l #	53
79) tert-butylbenzene	13.735	119	3576	0.203	ug/l	54
91) Naphthalene	15.635	128	7580	0.423	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.847	180	1416	0.299	ug/l #	28

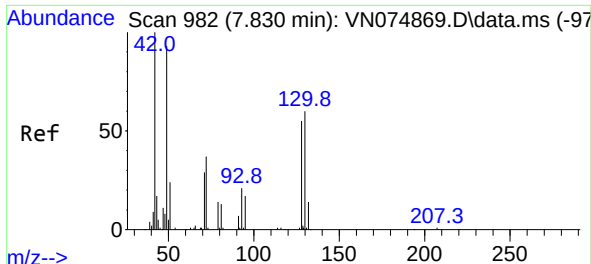
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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001-WILLETS-PT-BLVD(OCT)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 13 07:52:24 2022
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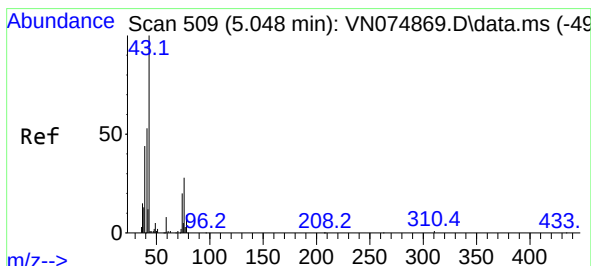
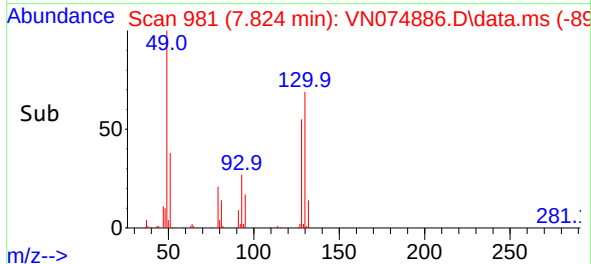
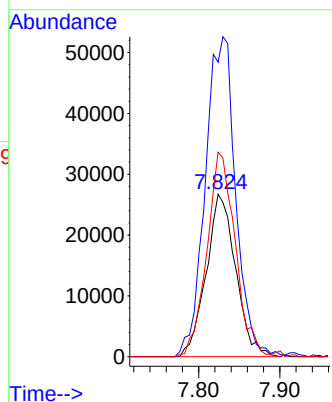
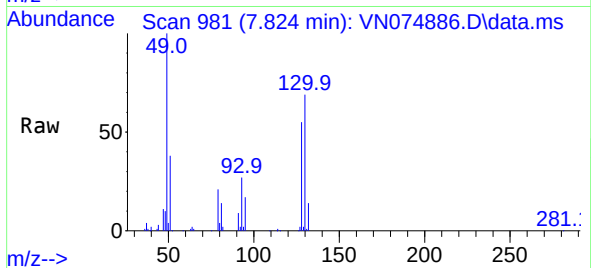




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

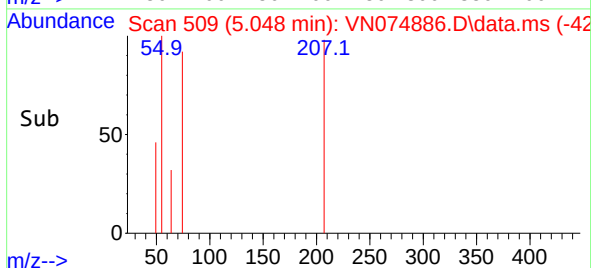
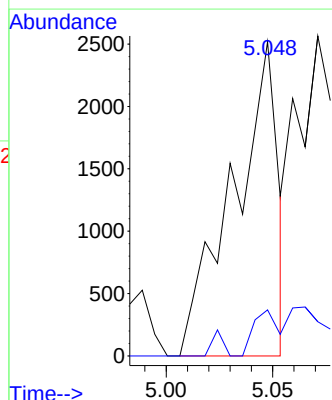
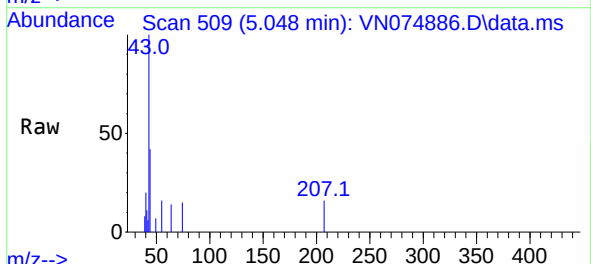
Instrument :
MSVOA_N
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001-WILLETS-PT-BLVD(OCT)

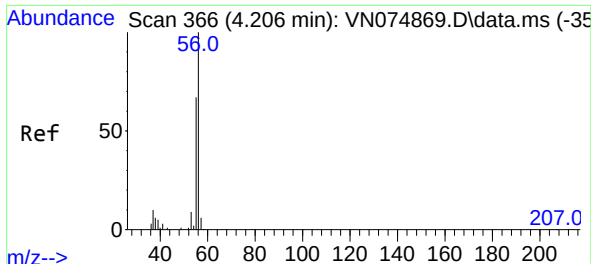
Tgt Ion:128 Resp: 67430
Ion Ratio Lower Upper
128 100
49 203.1 0.0 492.0
130 121.0 0.0 313.3



#12
Methyl Acetate
Concen: 0.370 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.000 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

Tgt Ion: 43 Resp: 3670
Ion Ratio Lower Upper
43 100
74 15.0 19.0 28.6#

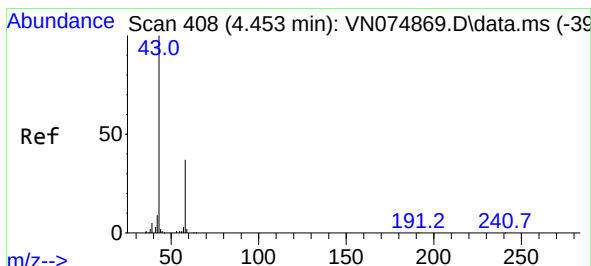
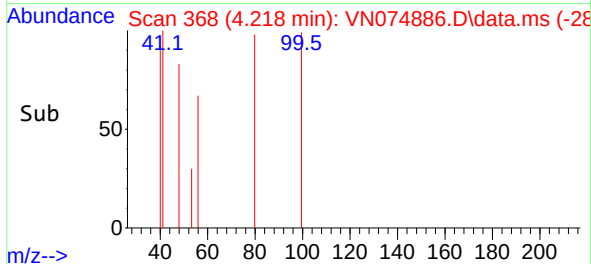
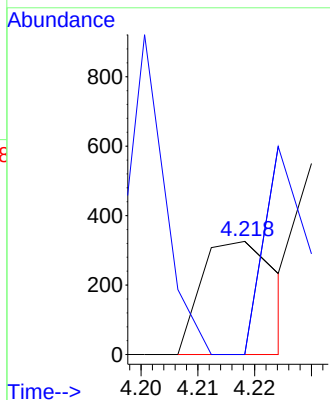
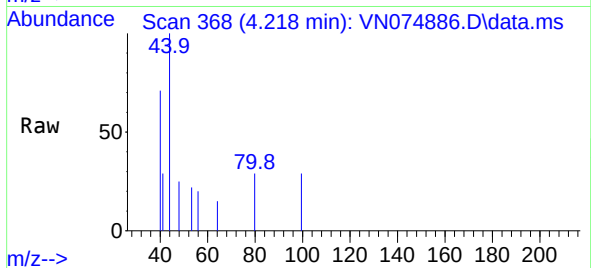




#13
Acrolein
Concen: 0.218 ug/l
RT: 4.218 min Scan# 306
Delta R.T. 0.012 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

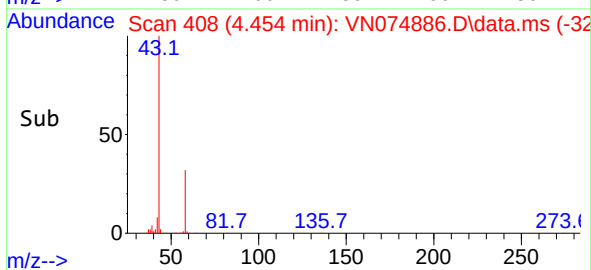
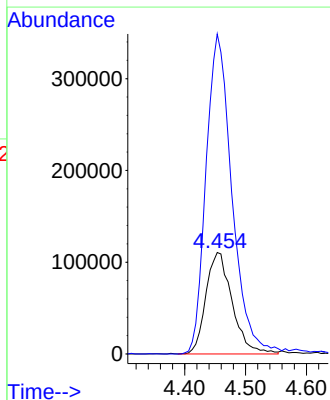
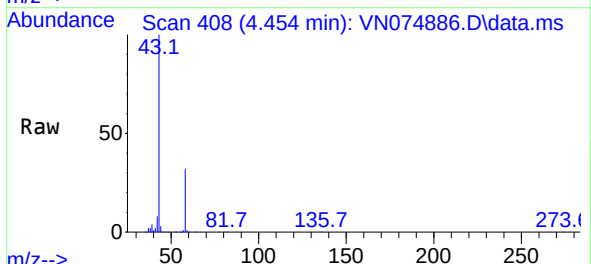
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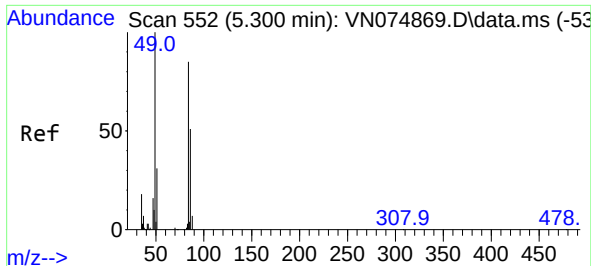
Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 127.8 56.2 84.2#



#15
Acetone
Concen: 327.192 ug/l
RT: 4.454 min Scan# 408
Delta R.T. 0.000 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

Tgt Ion: 58 Resp: 331736
Ion Ratio Lower Upper
58 100
43 315.6 232.2 348.4

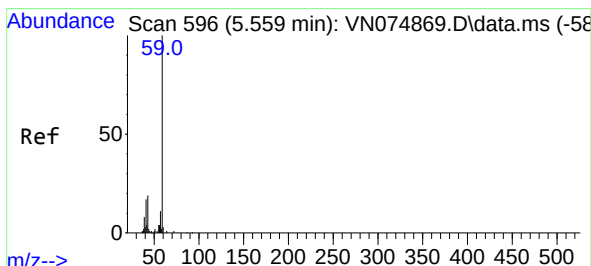
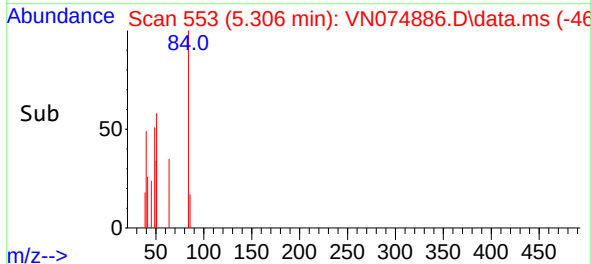
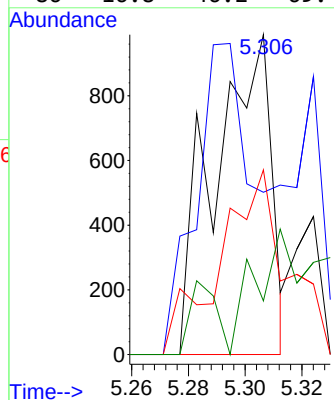
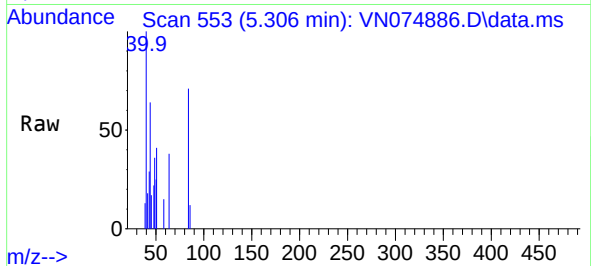




#18
Methylene Chloride
Concen: 0.259 ug/l
RT: 5.306 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

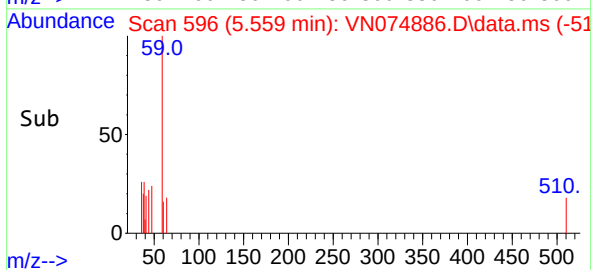
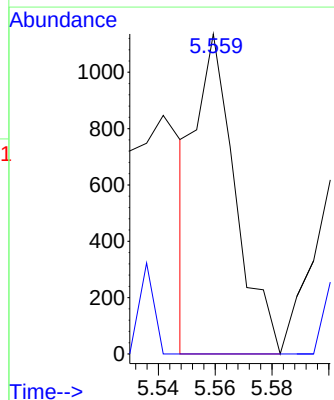
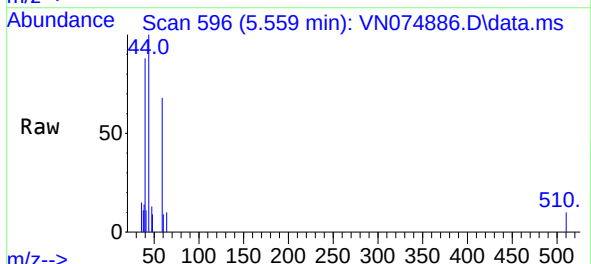
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

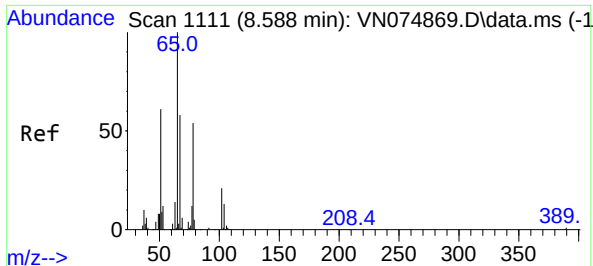
Tgt Ion: 84 Resp: 1380
Ion Ratio Lower Upper
84 100
49 13.8 99.6 149.4#
51 37.1 28.2 42.2
86 16.8 46.2 69.4#



#23
tert-Butyl Alcohol
Concen: 0.710 ug/l
RT: 5.559 min Scan# 596
Delta R.T. 0.000 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

Tgt Ion: 59 Resp: 1106
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#

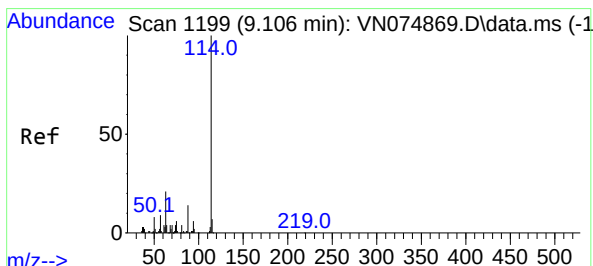
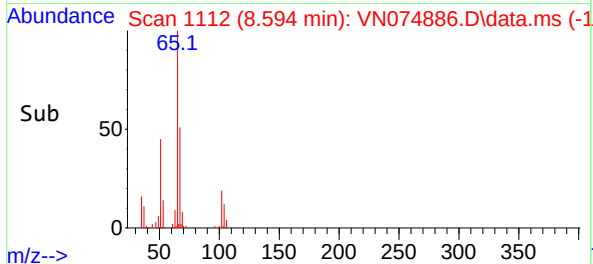
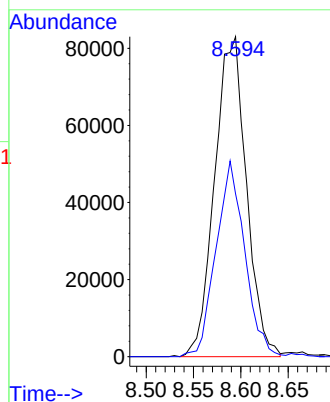
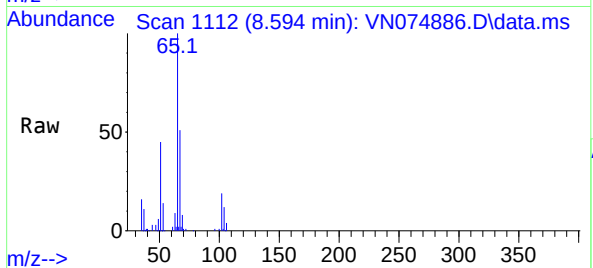




#27
1,2-Dichloroethane-d4
Concen: 30.607 ug/l
RT: 8.594 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

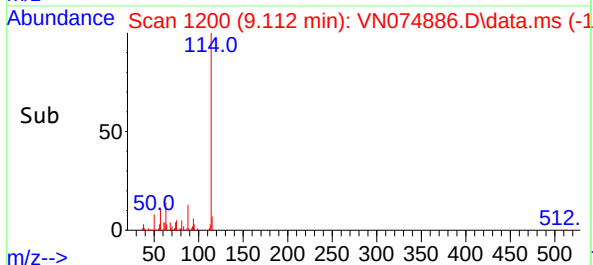
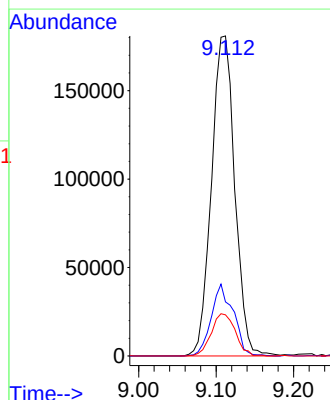
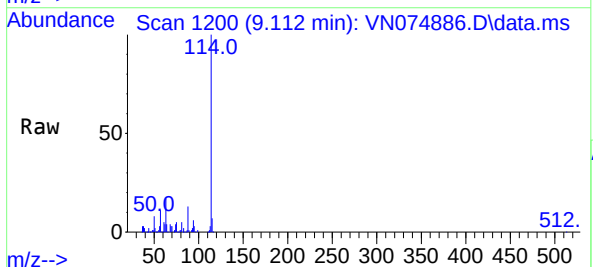
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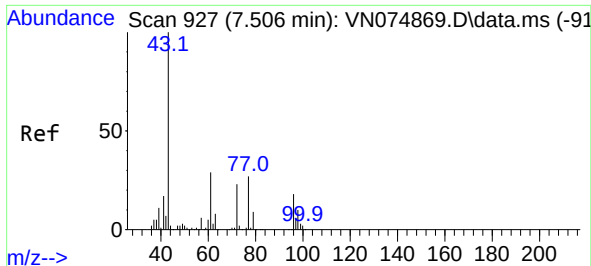
Tgt Ion: 65 Resp: 193217
Ion Ratio Lower Upper
65 100
67 55.4 45.2 67.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

Tgt Ion:114 Resp: 378566
Ion Ratio Lower Upper
114 100
63 21.3 16.6 25.0
88 13.6 12.2 18.4

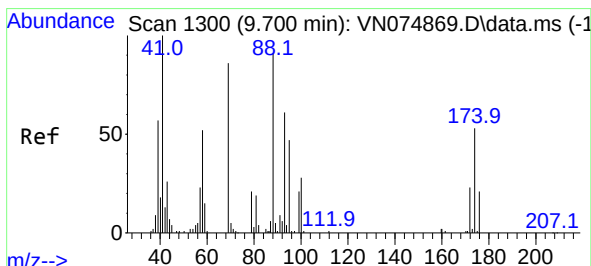
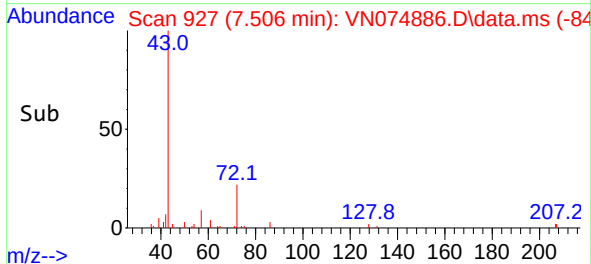
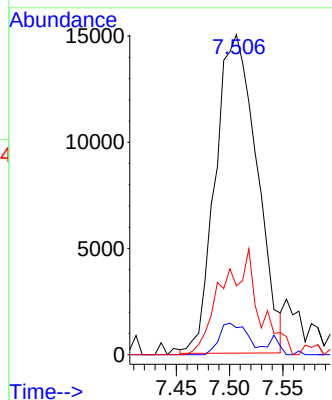
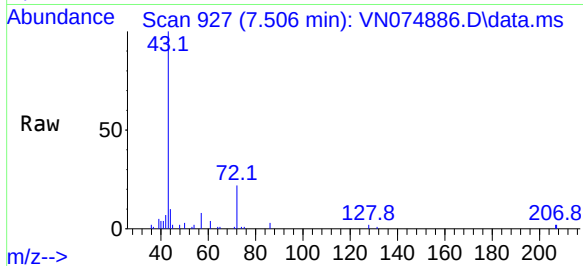




#30
2-Butanone
Concen: 7.452 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

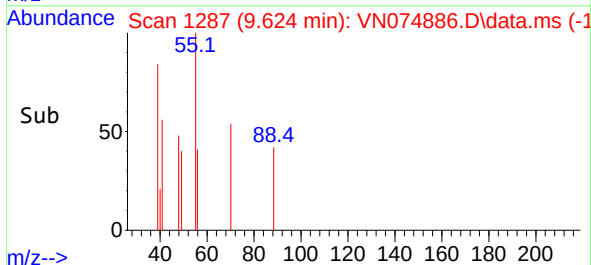
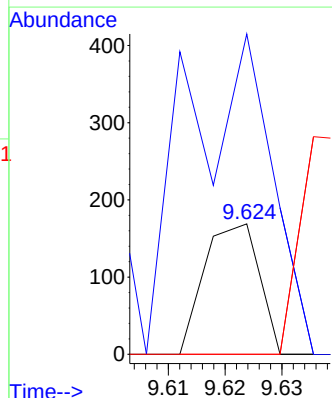
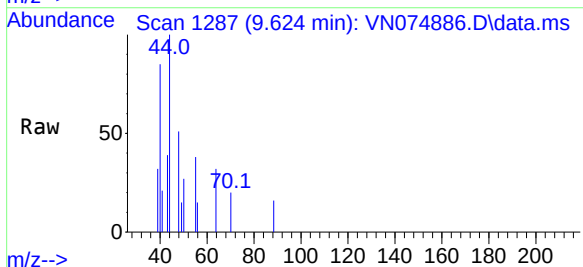
Instrument :
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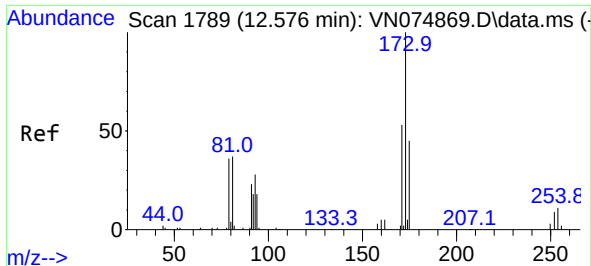
Tgt Ion: 43 Resp: 40615
Ion Ratio Lower Upper
43 100
57 6.5 6.3 9.5
72 15.1 21.0 31.4#



#45
1,4-Dioxane
Concen: 0.759 ug/l
RT: 9.624 min Scan# 1287
Delta R.T. -0.076 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

Tgt Ion: 88 Resp: 114
Ion Ratio Lower Upper
88 100
43 189.5 25.7 38.5#
58 173.7 53.4 80.2#

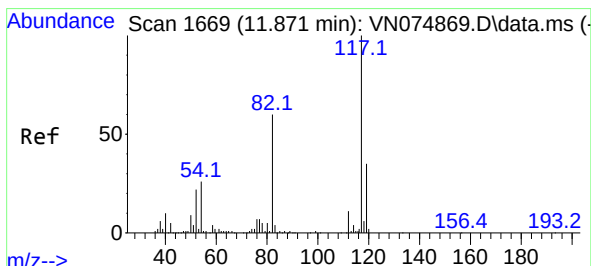
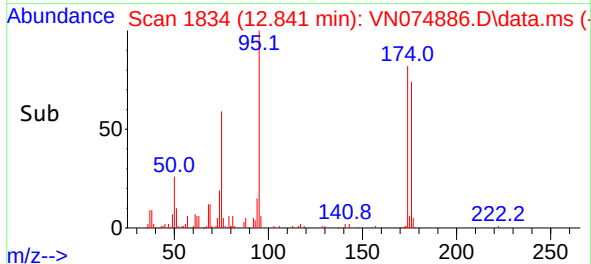
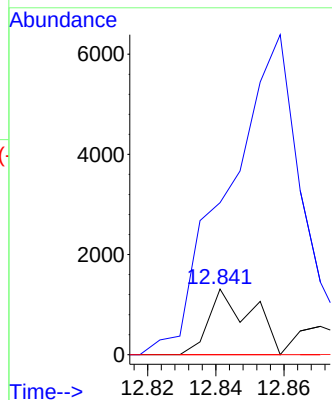
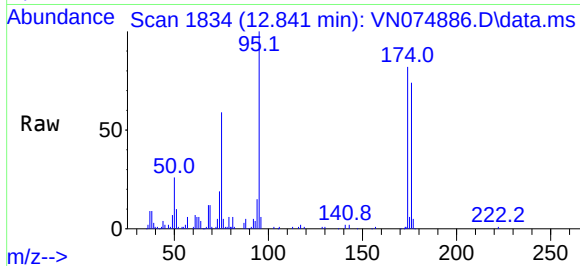




#56
Bromoform
Concen: 0.287 ug/l
RT: 12.841 min Scan# 1156
Delta R.T. 0.265 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

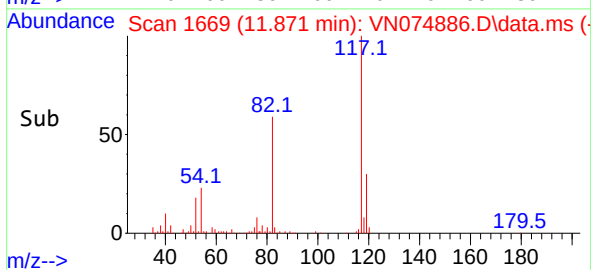
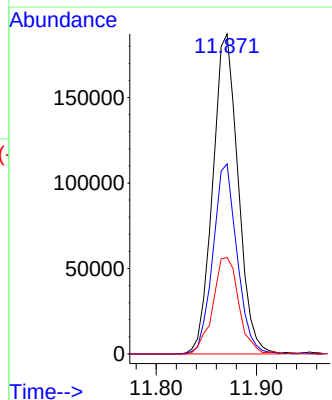
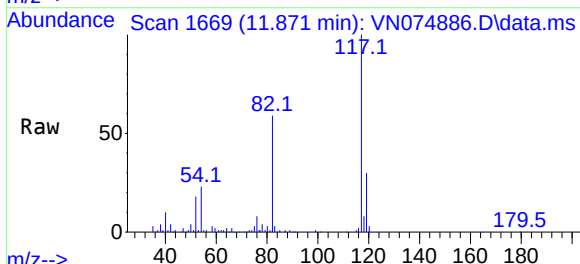
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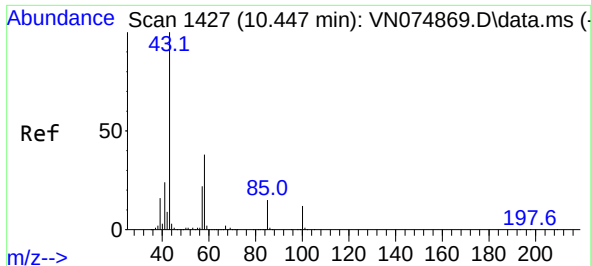
Tgt Ion:173 Resp: 1156
Ion Ratio Lower Upper
173 100
175 0.0 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

Tgt Ion:117 Resp: 329460
Ion Ratio Lower Upper
117 100
82 56.5 44.6 67.0
119 30.6 25.6 38.4

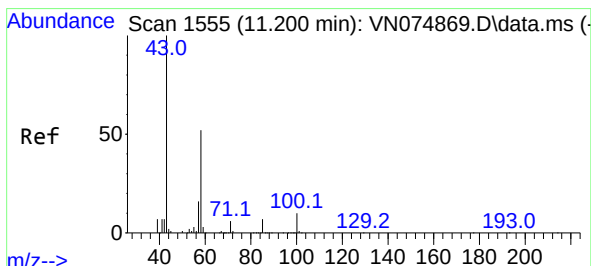
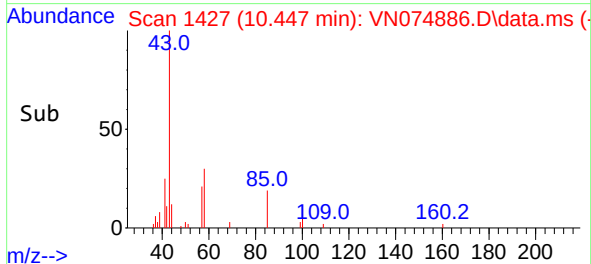
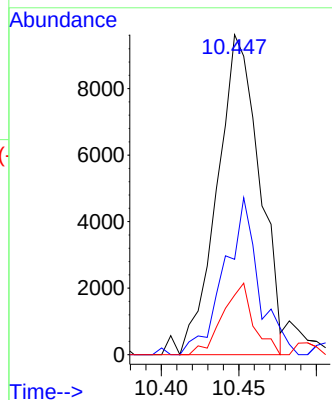
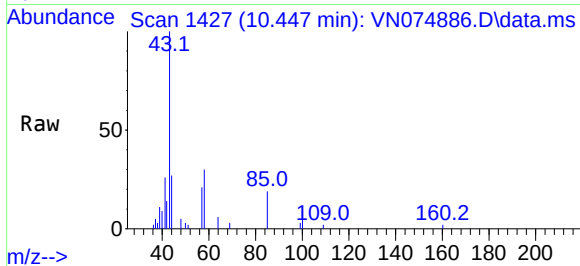




#58
4-Methyl-2-Pentanone
Concen: 1.775 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

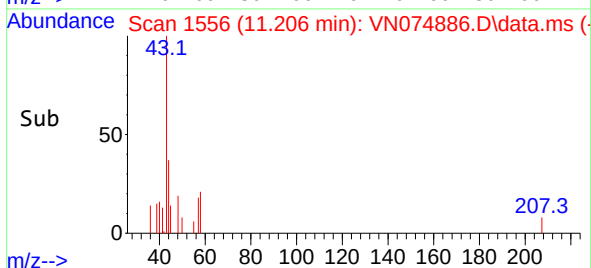
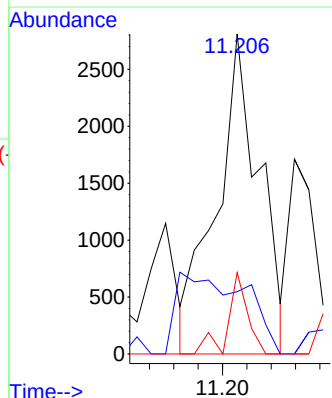
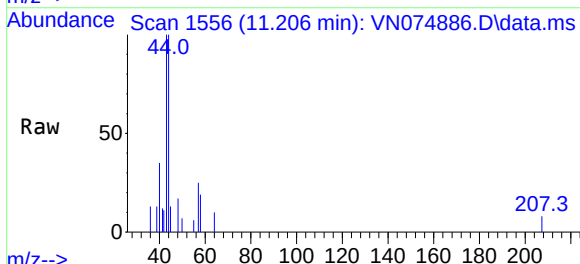
Instrument :
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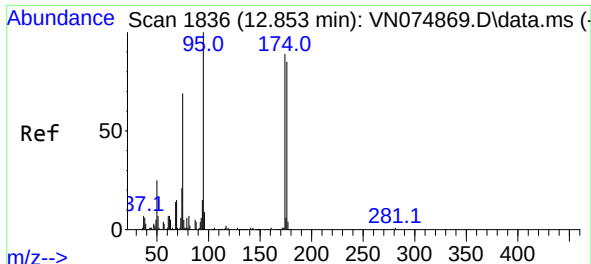
Tgt Ion: 43 Resp: 18184
Ion Ratio Lower Upper
43 100
58 27.4 30.8 46.2#
85 16.4 13.3 19.9



#59
2-Hexanone
Concen: 0.438 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

Tgt Ion: 43 Resp: 3456
Ion Ratio Lower Upper
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58 14.4 43.6 65.4#
57 9.6 14.3 21.5#

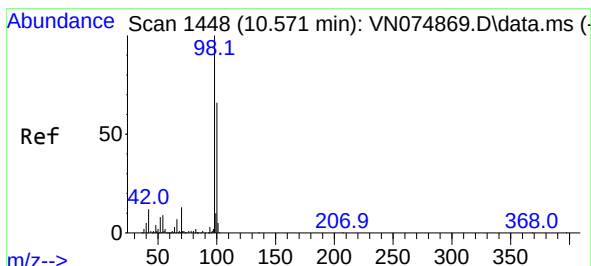
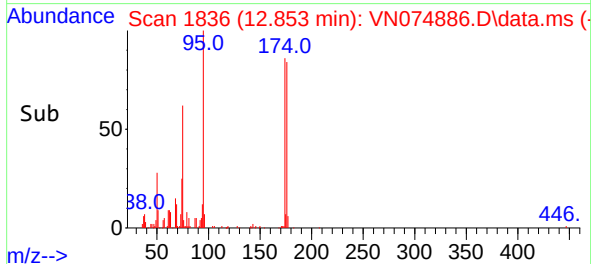
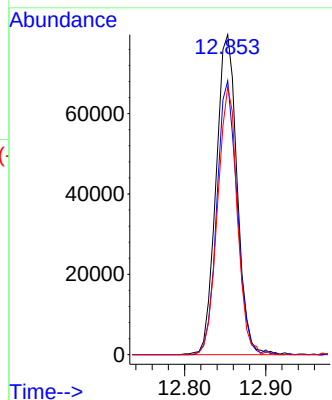
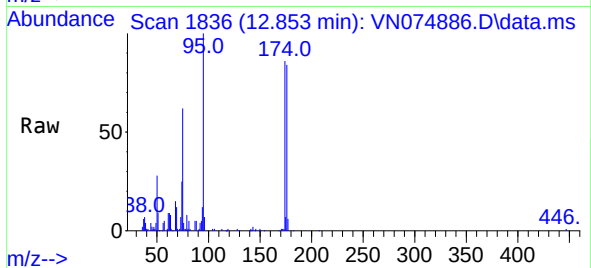




#60
4-Bromofluorobenzene
Concen: 24.552 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

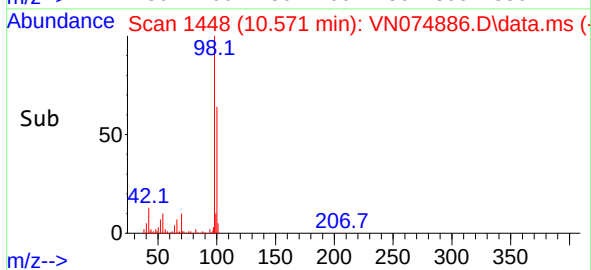
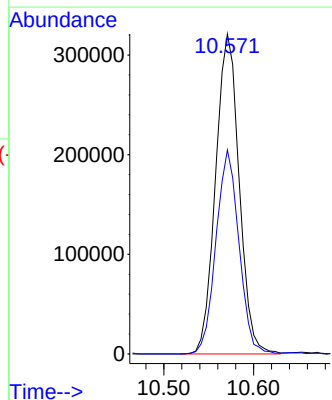
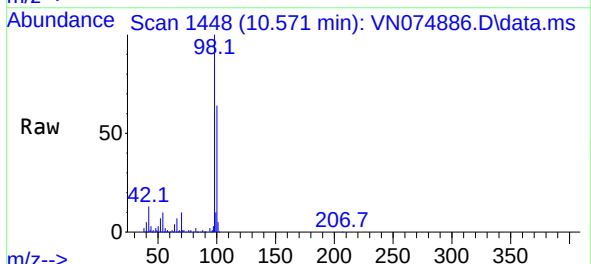
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

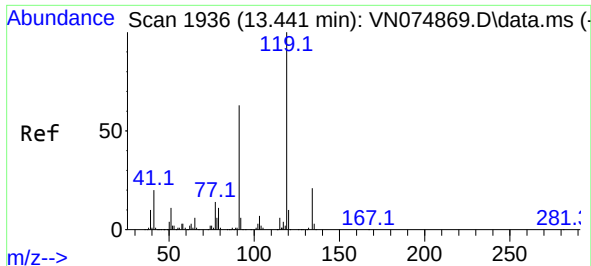
Tgt Ion: 95 Resp: 143447
Ion Ratio Lower Upper
95 100
174 81.9 57.8 86.8
176 78.3 57.0 85.4



#63
Toluene-d8
Concen: 30.815 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

Tgt Ion: 98 Resp: 585939
Ion Ratio Lower Upper
98 100
100 62.1 52.7 79.1

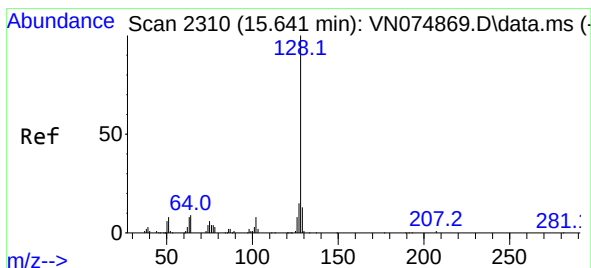
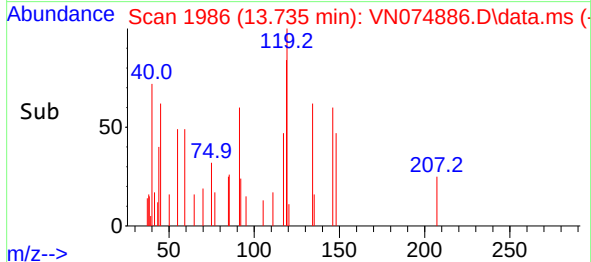
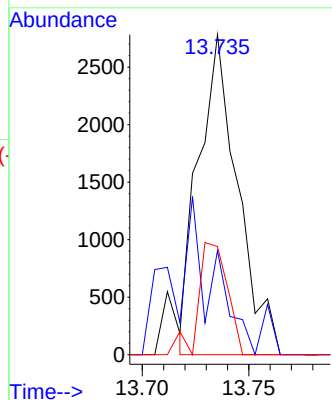
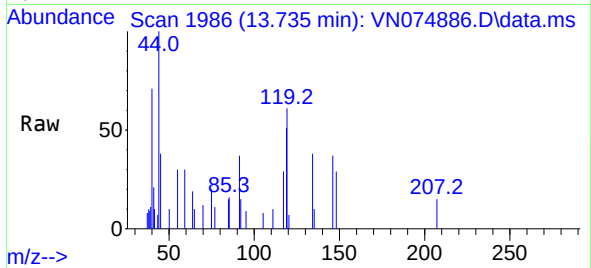




#79
tert-butylbenzene
Concen: 0.203 ug/l
RT: 13.735 min Scan# 1936
Delta R.T. 0.294 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

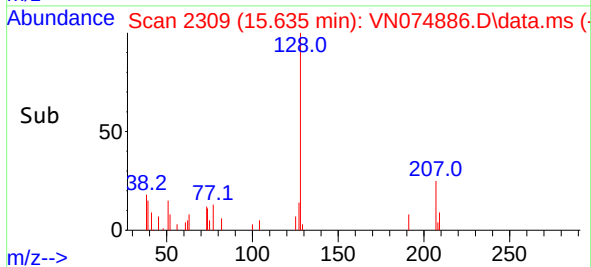
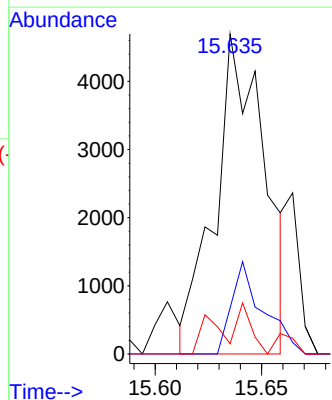
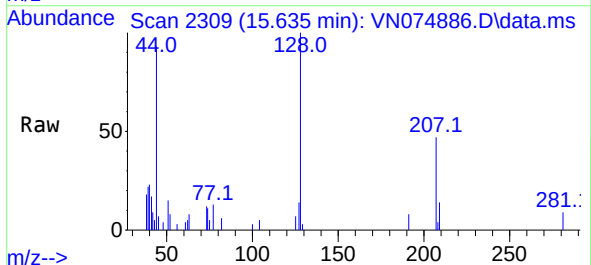
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

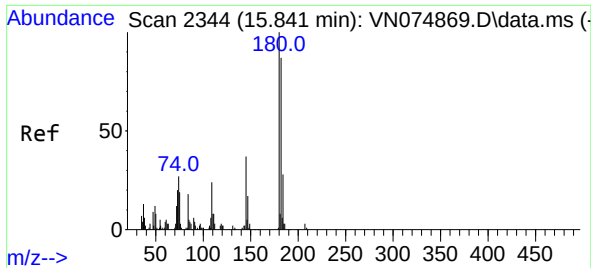
Tgt Ion:	119	Resp:	3576
Ion	Ratio	Lower	Upper
119	100		
91	15.2	0.0	129.0
134	23.9	0.0	52.2



#91
Naphthalene
Concen: 0.423 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

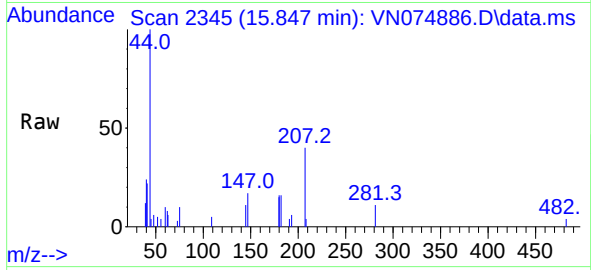
Tgt Ion:	128	Resp:	7580
Ion	Ratio	Lower	Upper
128	100		
127	18.4	10.7	16.1#
129	4.7	8.9	13.3#





#92
1,2,3-Trichlorobenzene
Concen: 0.299 ug/l
RT: 15.847 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074886.D
Acq: 12 Oct 2022 19:34

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



Tgt Ion:	180	Resp:	1416
Ion	Ratio	Lower	Upper
180	100		
182	0.0	0.0	185.4
145	31.7	0.0	68.6

