

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078749.D
 Acq On : 03 Aug 2023 13:43
 Operator : JC\MD
 Sample : 03884-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 04 06:30:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

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

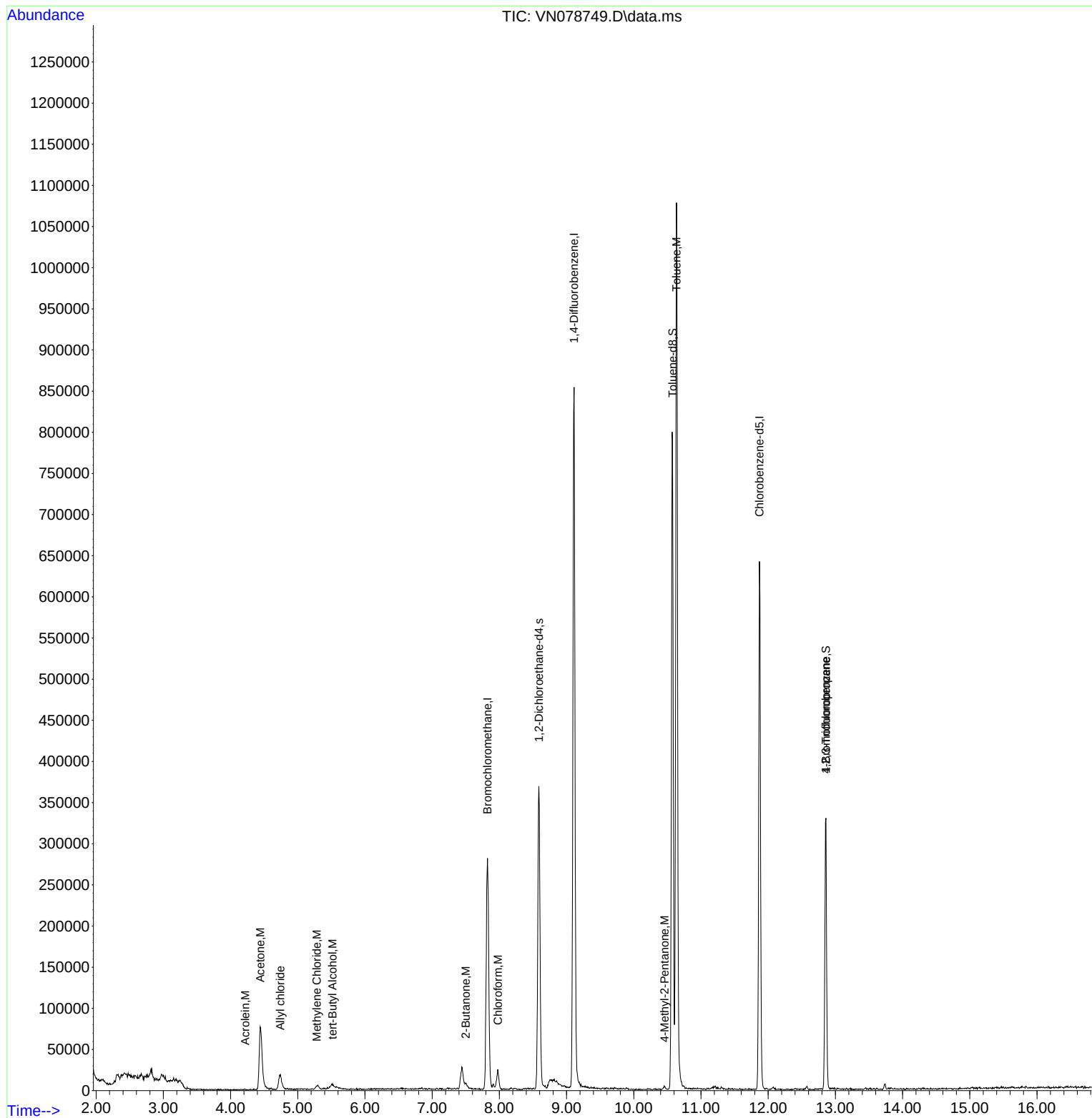
Internal Standards						
1) Bromochloromethane	7.824	128	107911	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	770015	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	391771	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	306487	37.890	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	126.300%#
60) 4-Bromofluorobenzene	12.859	95	113846	19.390	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	64.633%
63) Toluene-d8	10.576	98	582770	30.112	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.367%
Target Compounds						
					Qvalue	
13) Acrolein	4.218	56	259	0.249	ug/l	89
15) Acetone	4.441	58	46798	56.566	ug/l	84
17) Allyl chloride	4.741	41	3157	0.385	ug/l	91
18) Methylene Chloride	5.283	84	2171	0.301	ug/l #	61
23) tert-Butyl Alcohol	5.518	59	319	0.273	ug/l #	100
25) Chloroform	7.977	83	20658	1.594	ug/l	94
30) 2-Butanone	7.500	43	7975	1.781	ug/l #	77
58) 4-Methyl-2-Pentanone	10.459	43	1655	0.282	ug/l #	83
62) Toluene	10.635	91	850171	36.077	ug/l	100
72) 1,2,3-Trichloropropane	12.859	75	61053	9.811	ug/l	1

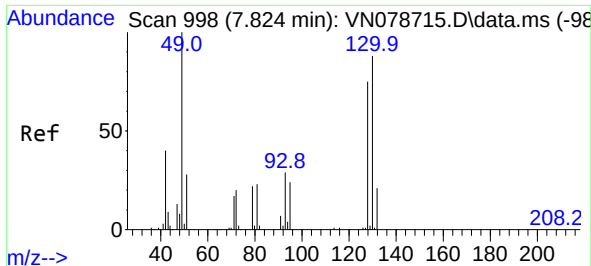
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 02 04:51:47 2023
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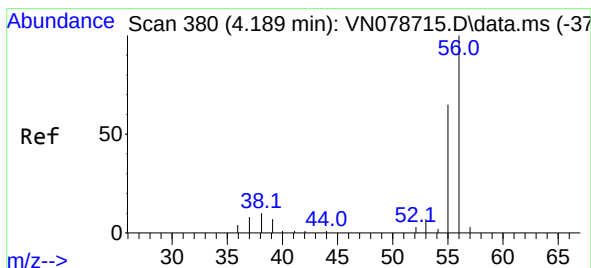
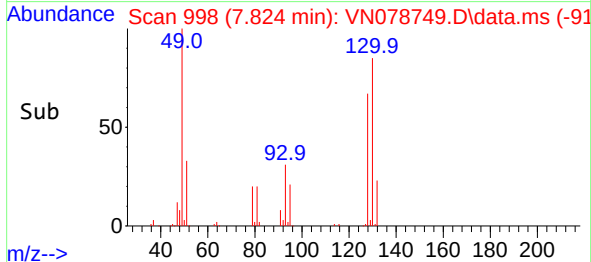
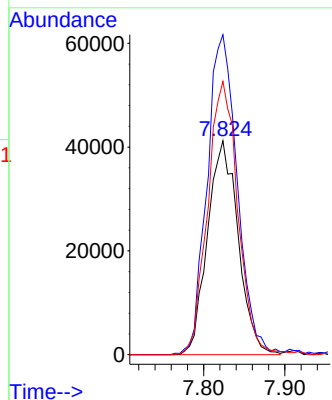
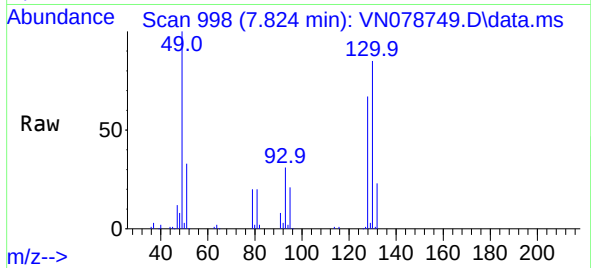




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

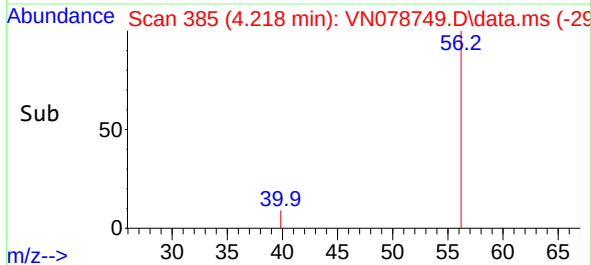
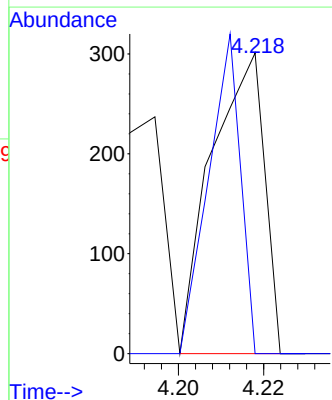
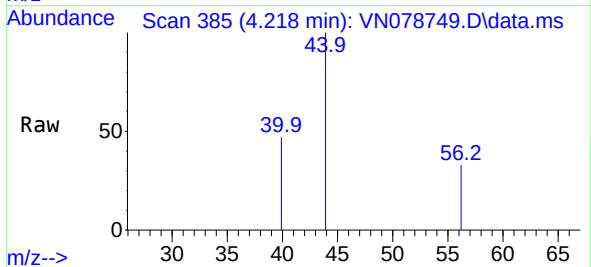
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

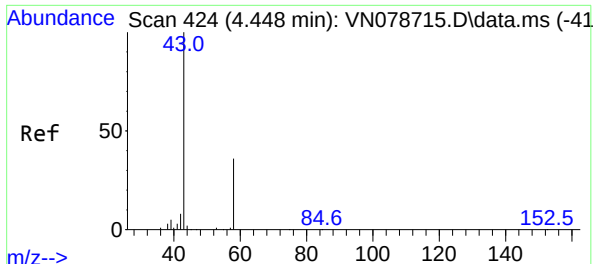
Tgt Ion:128 Resp: 107911
Ion Ratio Lower Upper
128 100
49 147.4 0.0 370.8
130 126.1 0.0 307.0



#13
Acrolein
Concen: 0.249 ug/l
RT: 4.218 min Scan# 385
Delta R.T. 0.029 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

Tgt Ion: 56 Resp: 259
Ion Ratio Lower Upper
56 100
55 64.5 59.0 88.4

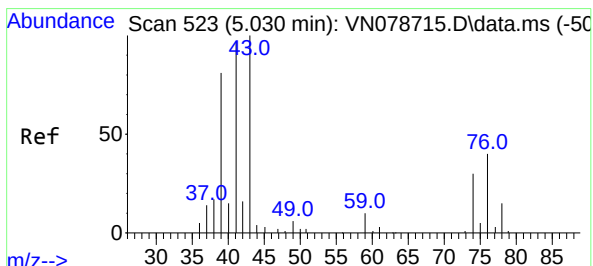
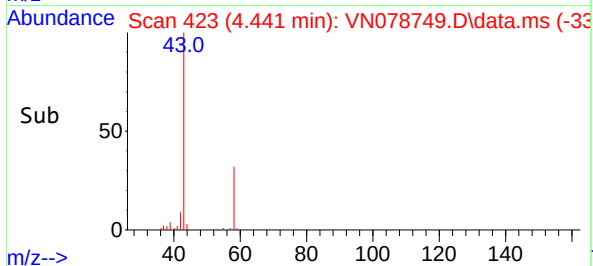
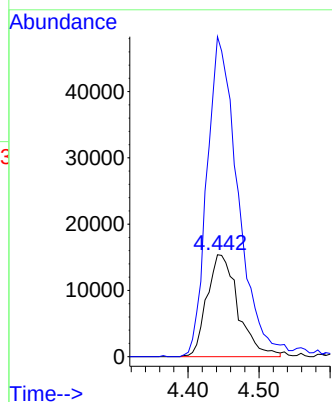
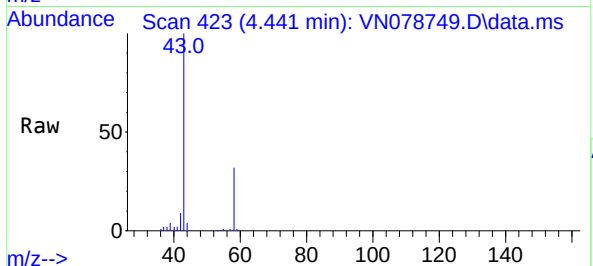




#15
Acetone
Concen: 56.566 ug/l
RT: 4.441 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

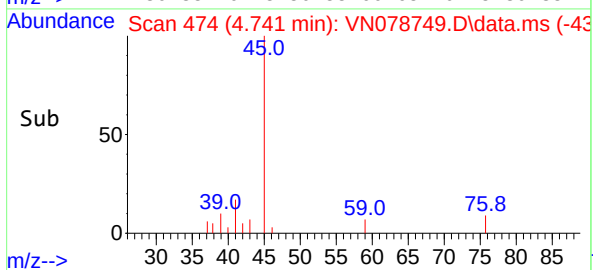
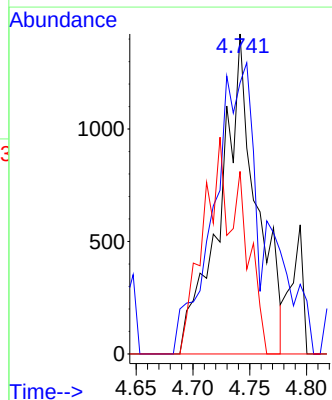
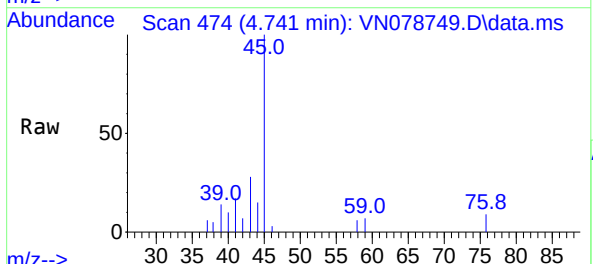
Instrument :
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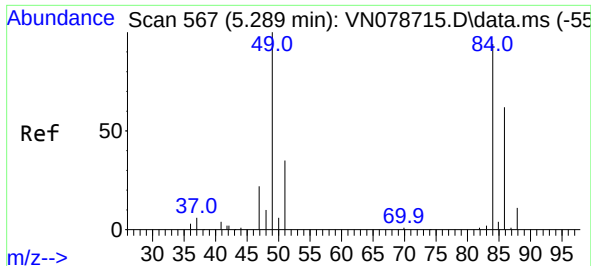
Tgt Ion: 58 Resp: 46798
Ion Ratio Lower Upper
58 100
43 314.0 227.5 341.3



#17
Allyl chloride
Concen: 0.385 ug/l
RT: 4.741 min Scan# 474
Delta R.T. -0.288 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

Tgt Ion: 41 Resp: 3157
Ion Ratio Lower Upper
41 100
39 70.6 37.6 112.8
76 57.1 23.8 71.4

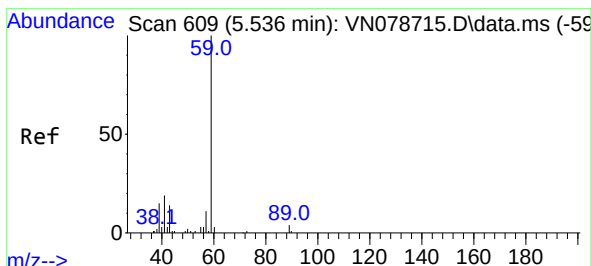
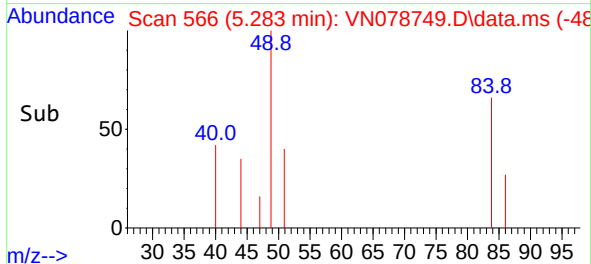
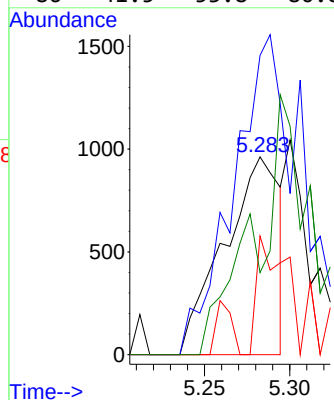
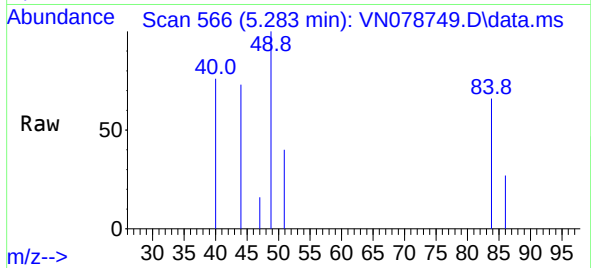




#18
Methylene Chloride
Concen: 0.301 ug/l
RT: 5.283 min Scan# 501
Delta R.T. -0.006 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

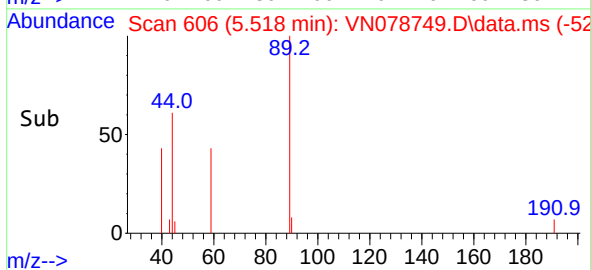
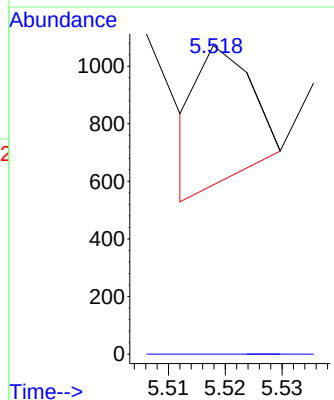
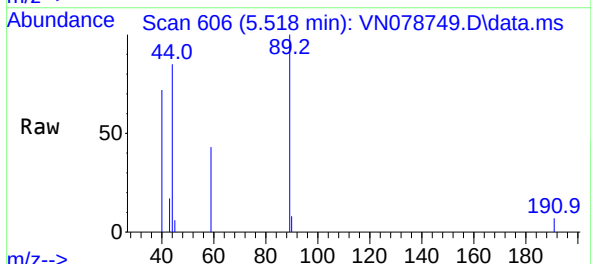
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

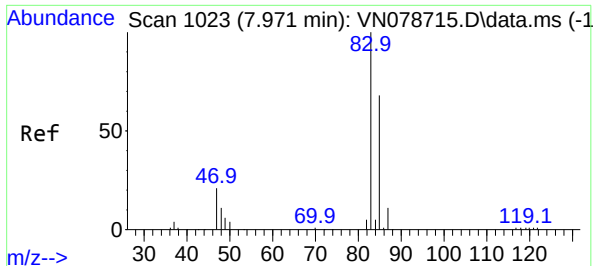
Tgt Ion: 84 Resp: 2171
Ion Ratio Lower Upper
84 100
49 151.4 88.1 132.1#
51 60.0 24.0 36.0#
86 41.5 53.8 80.8#



#23
tert-Butyl Alcohol
Concen: 0.273 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#





#25

Chloroform

Concen: 1.594 ug/l

RT: 7.977 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN078749.D

Acq: 03 Aug 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

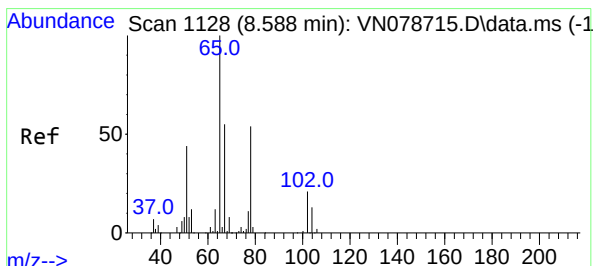
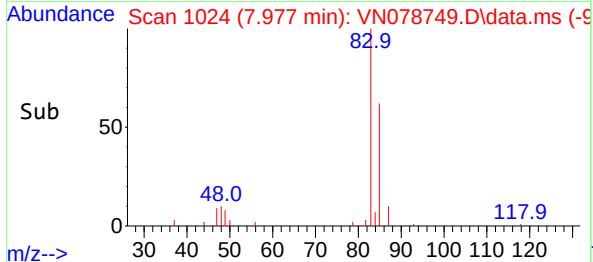
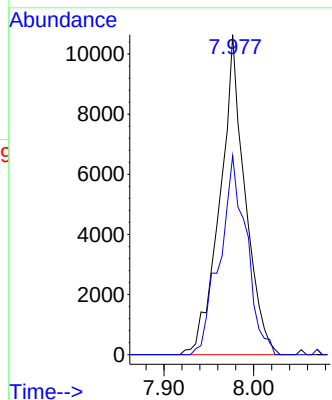
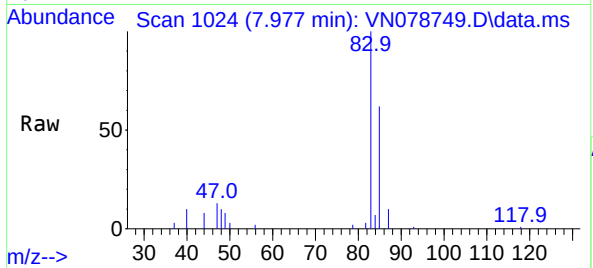
001-WILLETS-PT-BLVD(JUNE)DL

Tgt Ion: 83 Resp: 20658

Ion Ratio Lower Upper

83 100

85 62.2 53.4 80.0



#27

1,2-Dichloroethane-d4

Concen: 37.890 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078749.D

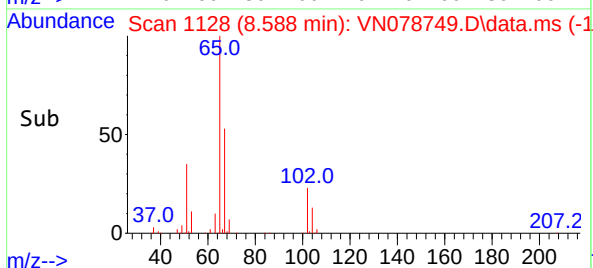
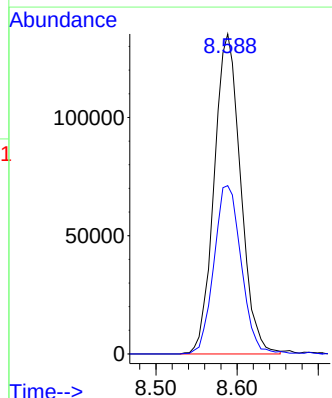
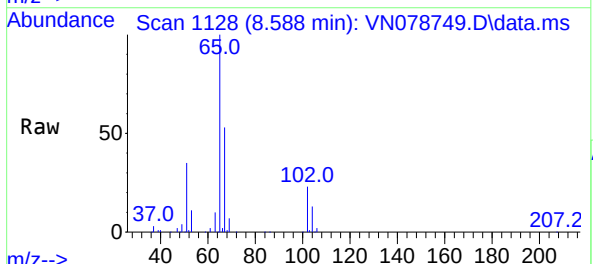
Acq: 03 Aug 2023 13:43

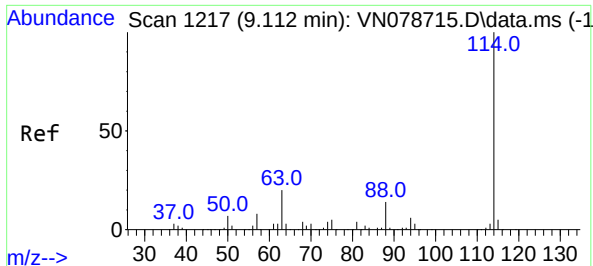
Tgt Ion: 65 Resp: 306487

Ion Ratio Lower Upper

65 100

67 54.0 42.9 64.3

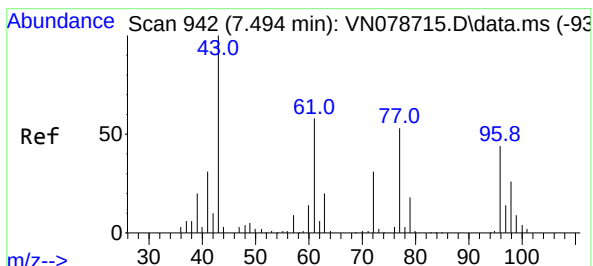
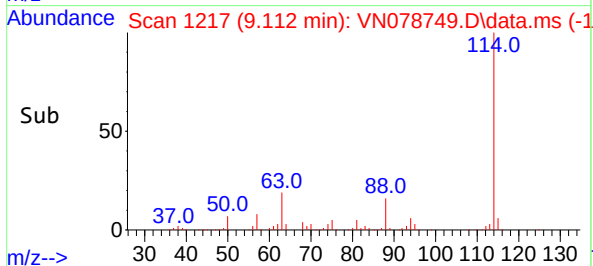
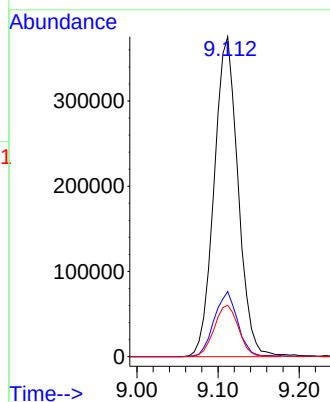
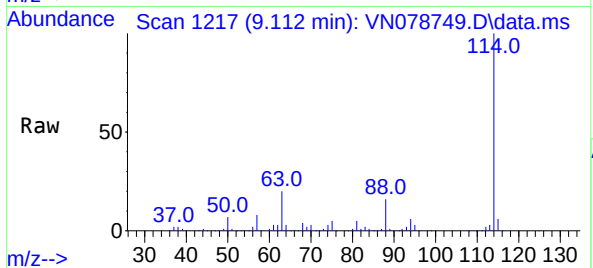




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

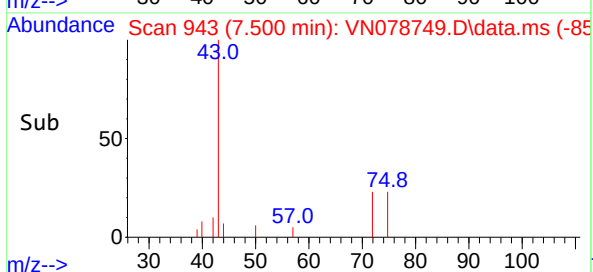
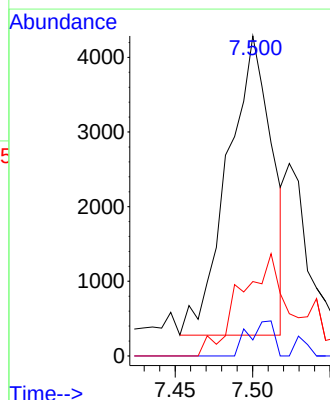
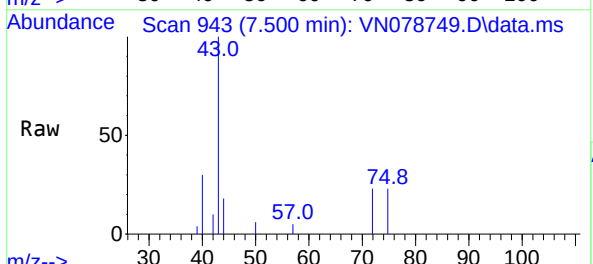
Instrument :
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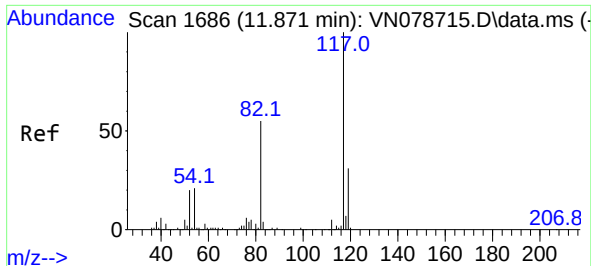
Tgt Ion:114 Resp: 770015
Ion Ratio Lower Upper
114 100
63 19.8 15.2 22.8
88 16.3 12.5 18.7



#30
2-Butanone
Concen: 1.781 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

Tgt Ion: 43 Resp: 7975
Ion Ratio Lower Upper
43 100
57 6.6 6.8 10.2#
72 14.5 23.8 35.6#

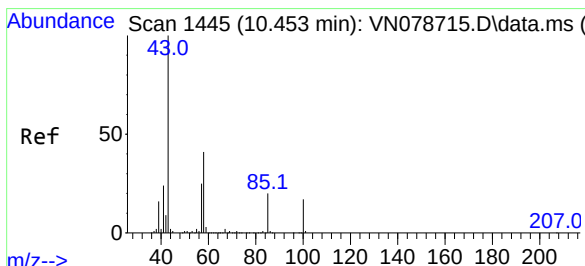
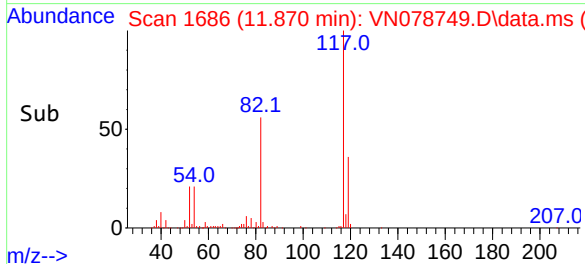
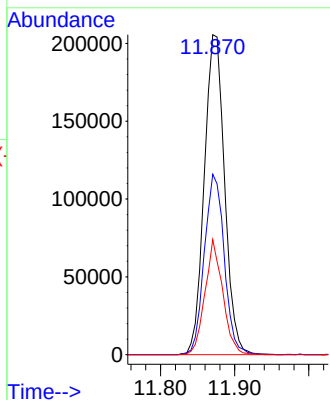
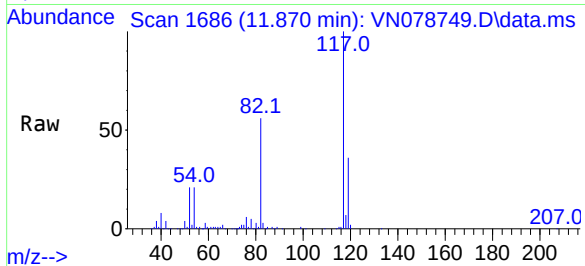




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

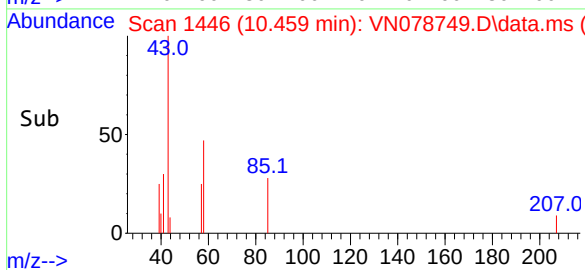
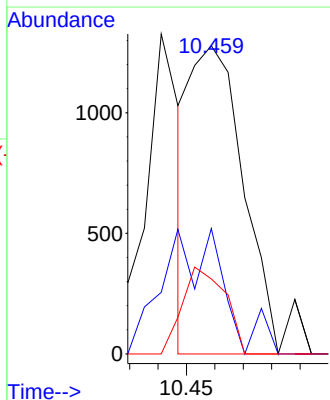
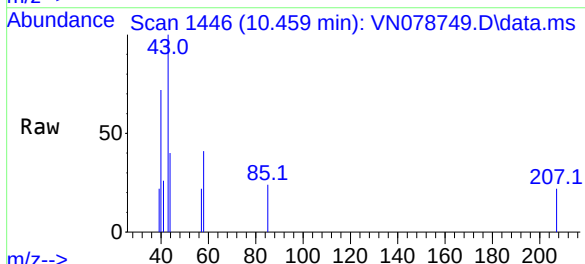
Instrument : MSVOA_N
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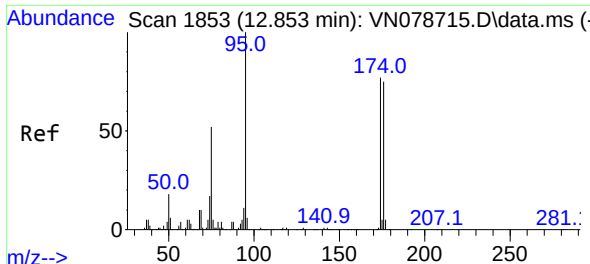
Tgt Ion:	117	Resp:	391771
Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.9	65.9
119	31.6	26.2	39.4



#58
4-Methyl-2-Pentanone
Concen: 0.282 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

Tgt Ion:	43	Resp:	1655
Ion	Ratio	Lower	Upper
43	100		
58	26.3	32.6	48.8#
85	22.8	16.2	24.2

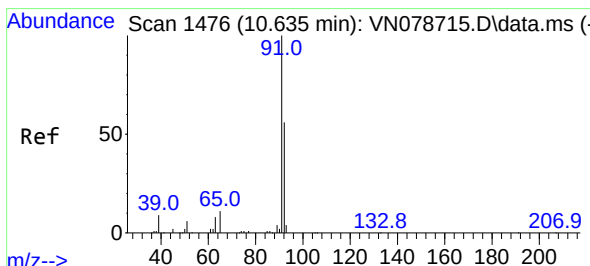
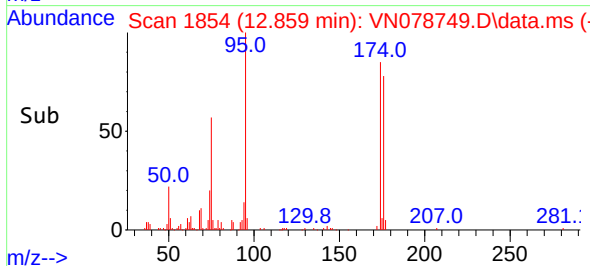
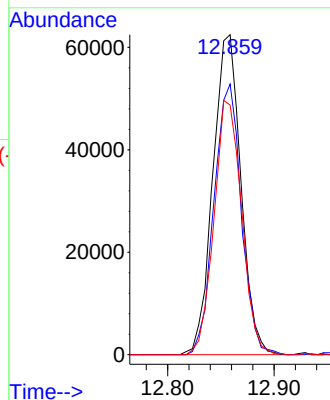
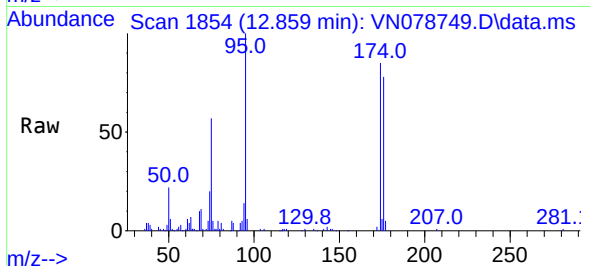




#60
4-Bromofluorobenzene
Concen: 19.390 ug/l
RT: 12.859 min Scan# 11846
Delta R.T. 0.006 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

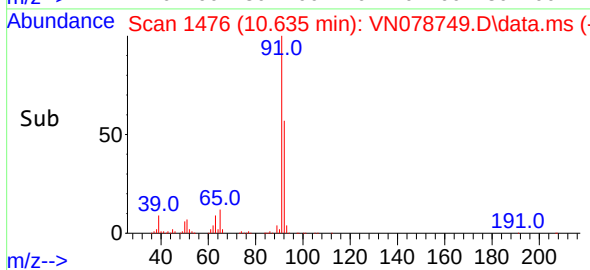
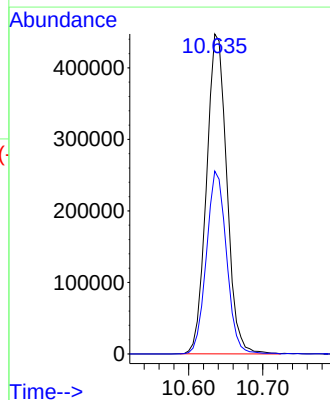
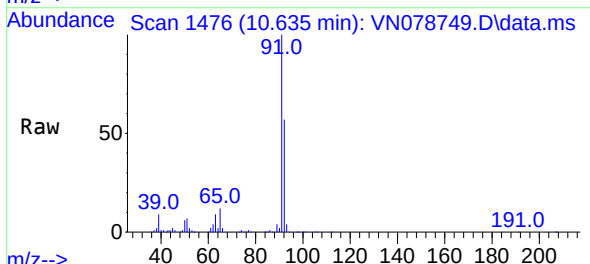
Instrument :
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001-WILLETS-PT-BLVD(JUNE)DL

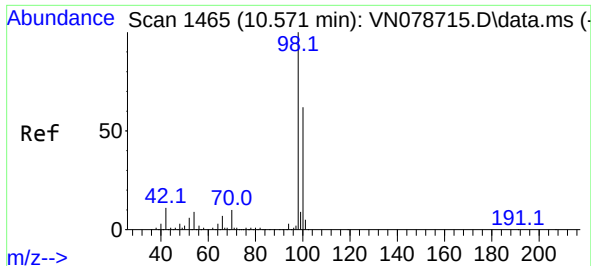
Tgt Ion: 95 Resp: 113846
Ion Ratio Lower Upper
95 100
174 82.7 61.7 92.5
176 78.4 58.1 87.1



#62
Toluene
Concen: 36.077 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

Tgt Ion: 91 Resp: 850171
Ion Ratio Lower Upper
91 100
92 56.6 45.2 67.8

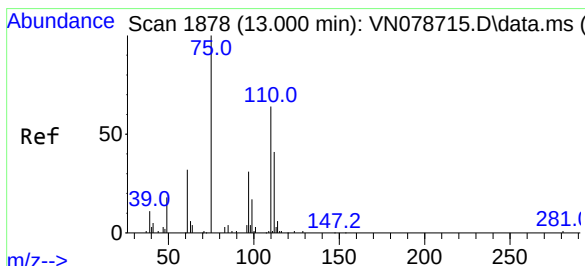
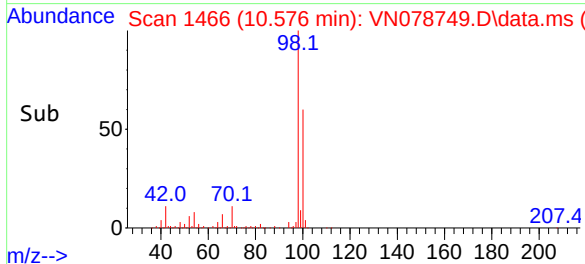
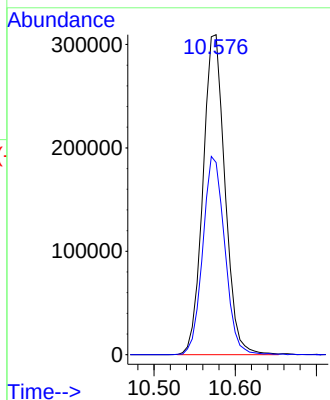
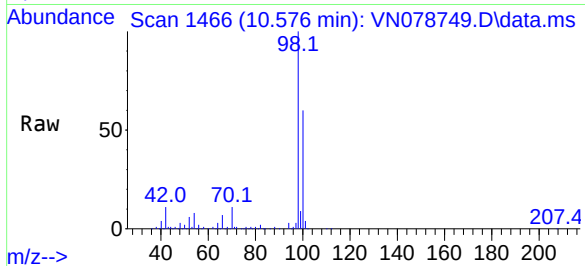




#63
Toluene-d8
Concen: 30.112 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

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

Tgt Ion: 98 Resp: 582770
Ion Ratio Lower Upper
98 100
100 61.9 49.7 74.5



#72
1,2,3-Trichloropropane
Concen: 9.811 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078749.D
Acq: 03 Aug 2023 13:43

Tgt Ion: 75 Resp: 61053
Ion Ratio Lower Upper
75 100
77 1.4 0.0 387.4

