

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077594.D
 Acq On : 05 May 2023 16:29
 Operator : JC\MD
 Sample : 02599-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 06 02:33:29 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)

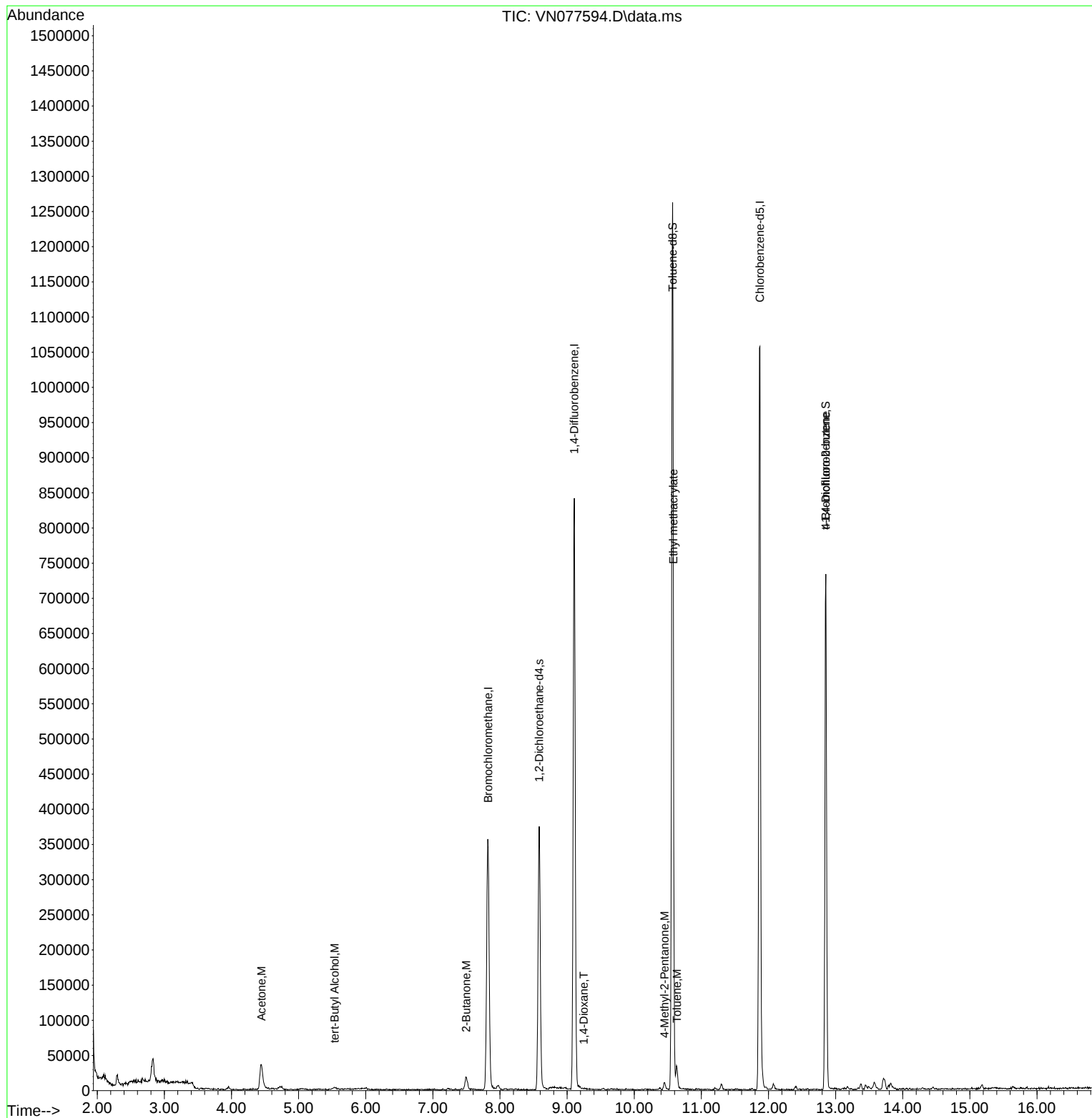
Internal Standards						
1) Bromochloromethane	7.825	128	130058	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	739271	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	631897	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	310377	26.769	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.233%#
60) 4-Bromofluorobenzene	12.854	95	268559	24.259	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.867%
63) Toluene-d8	10.572	98	900374	40.436	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	134.800%#
Target Compounds						
					Qvalue	
15) Acetone	4.448	58	22760	12.111	ug/l	87
23) tert-Butyl Alcohol	5.537	59	2535	0.998	ug/l #	100
30) 2-Butanone	7.495	43	26958	4.719	ug/l	90
45) 1,4-Dioxane	9.248	88	118	0.497	ug/l #	1
51) Ethyl methacrylate	10.583	69	3622	0.211	ug/l	90
58) 4-Methyl-2-Pentanone	10.454	43	7972	0.876	ug/l #	87
62) Toluene	10.636	91	21978	0.517	ug/l	99
77) t-1,4-Dichloro-2-butene	12.854	75	146222	37.501	ug/l #	19

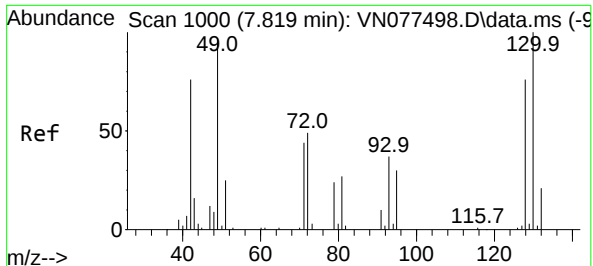
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 28 16:20:59 2023
Response via : Initial Calibration

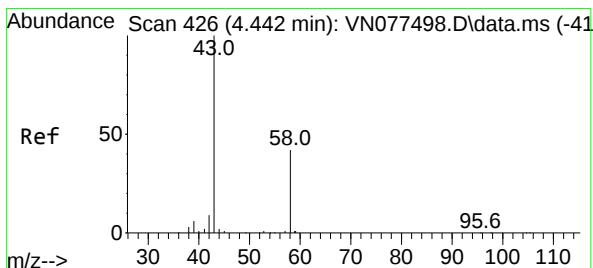
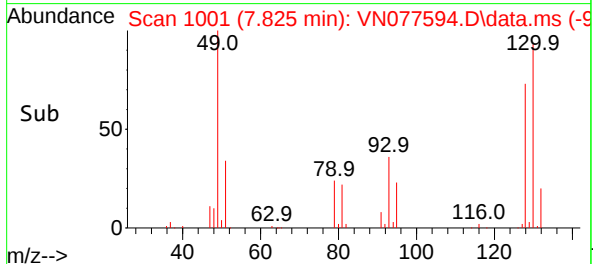
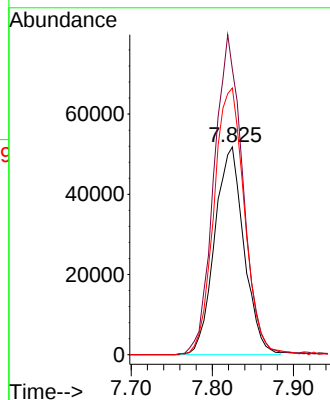
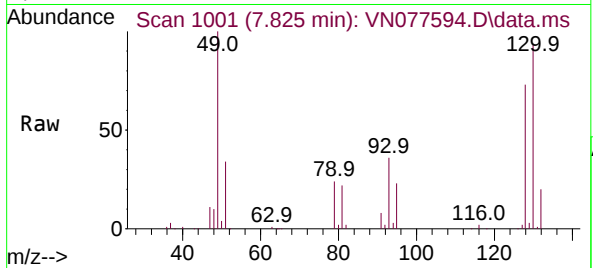




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

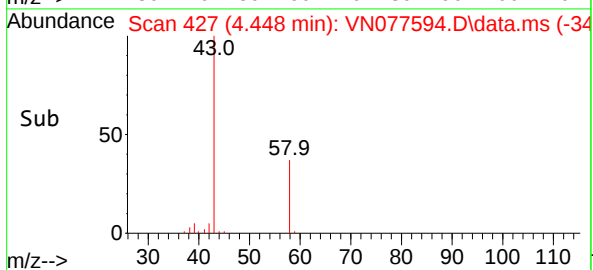
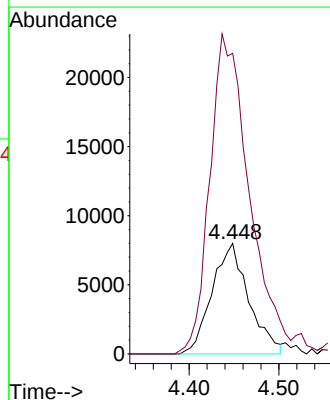
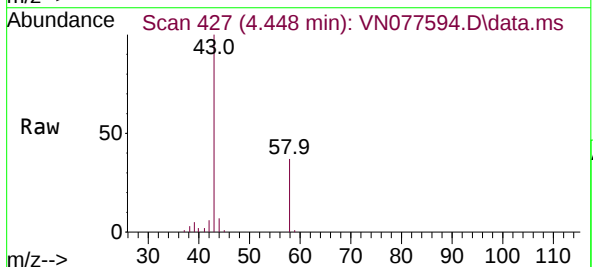
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

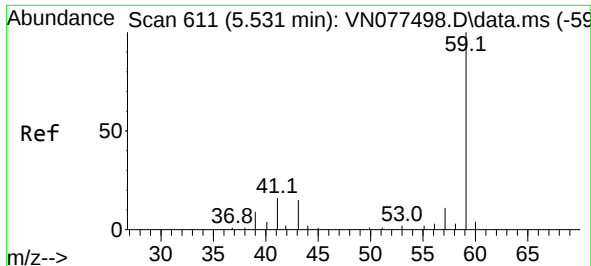
Tgt Ion:128 Resp: 130058
Ion Ratio Lower Upper
128 100
49 151.1 0.0 338.5
130 133.8 0.0 326.3



#15
Acetone
Concen: 12.111 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.006 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

Tgt Ion: 58 Resp: 22760
Ion Ratio Lower Upper
58 100
43 269.1 197.2 295.8

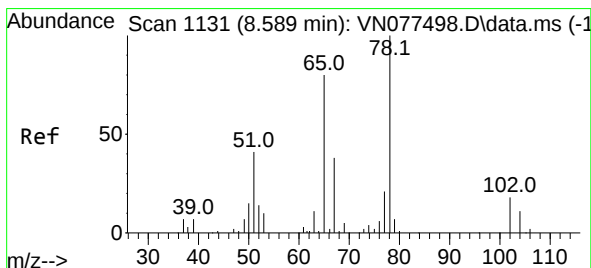
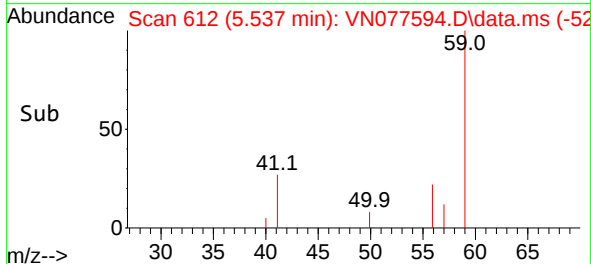
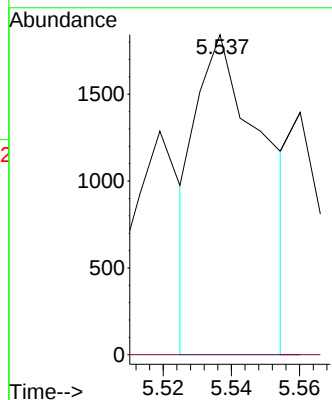
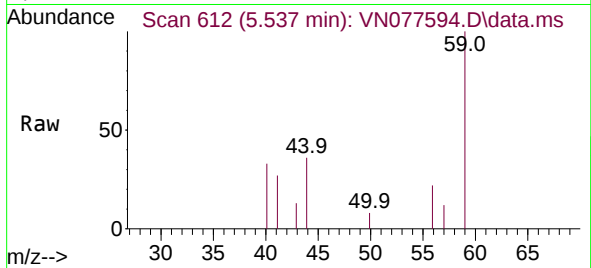




#23
tert-Butyl Alcohol
Concen: 0.998 ug/l
RT: 5.537 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

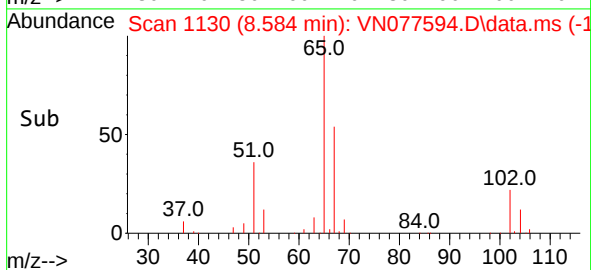
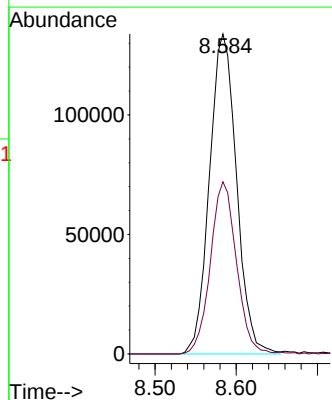
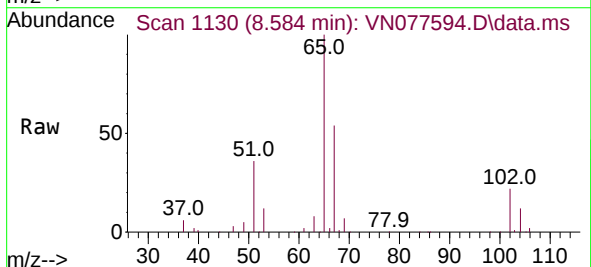
Instrument :
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ClientSampleId :
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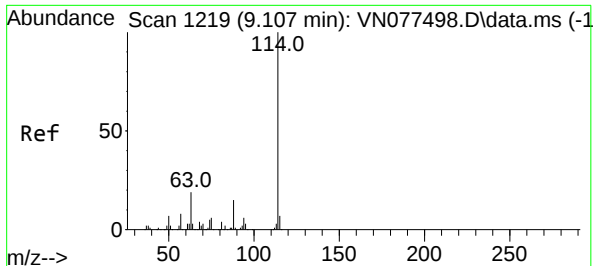
Tgt Ion: 59 Resp: 2535
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 26.769 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.005 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

Tgt Ion: 65 Resp: 310377
Ion Ratio Lower Upper
65 100
67 51.7 40.2 60.2

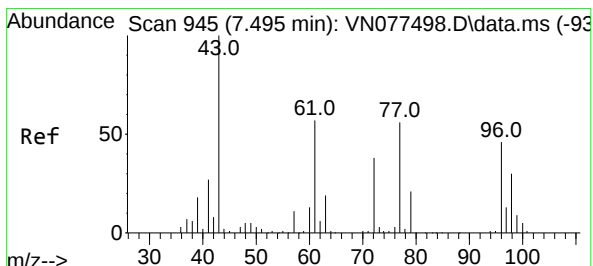
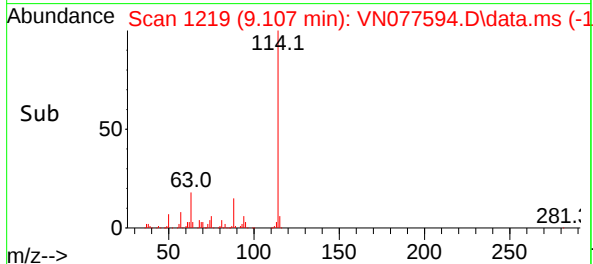
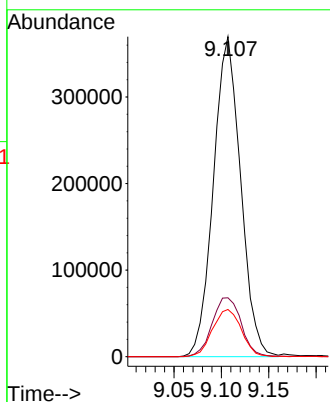
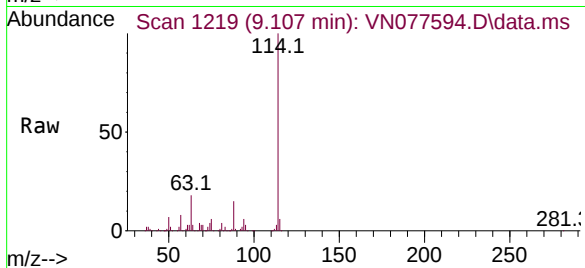




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

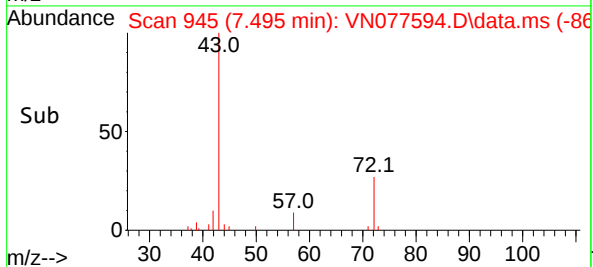
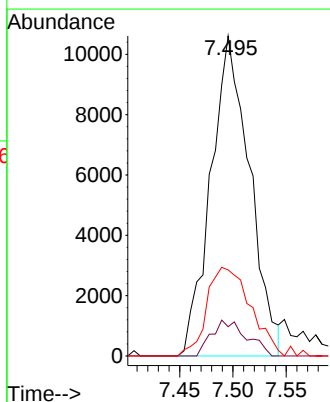
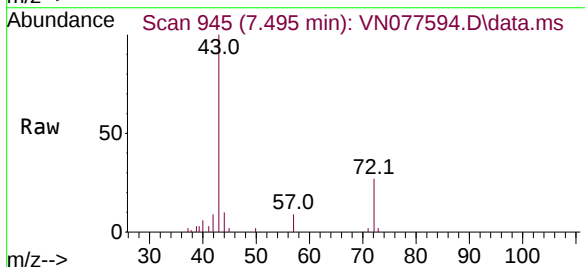
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

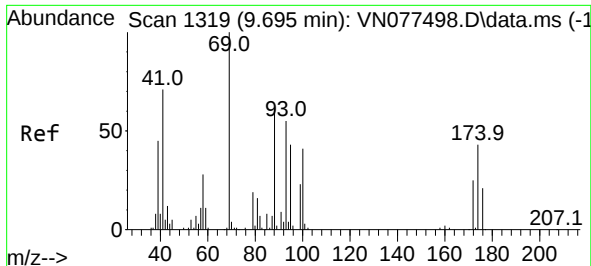
Tgt Ion:114 Resp: 739271
Ion Ratio Lower Upper
114 100
63 19.7 14.1 21.1
88 15.6 12.3 18.5



#30
2-Butanone
Concen: 4.719 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

Tgt Ion: 43 Resp: 26958
Ion Ratio Lower Upper
43 100
57 8.4 8.0 12.0
72 31.0 30.4 45.6

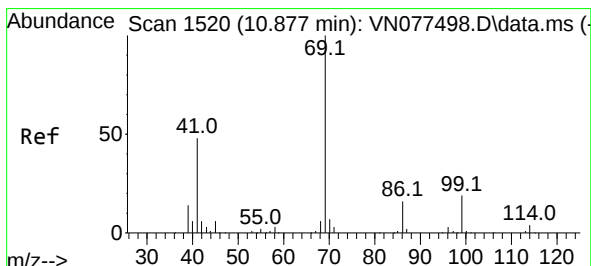
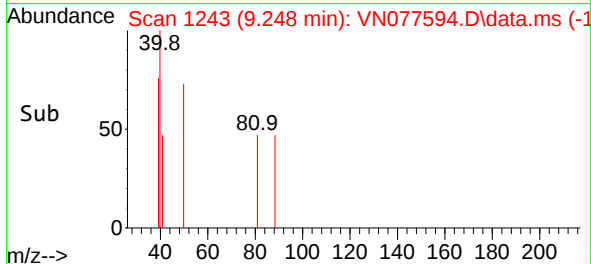
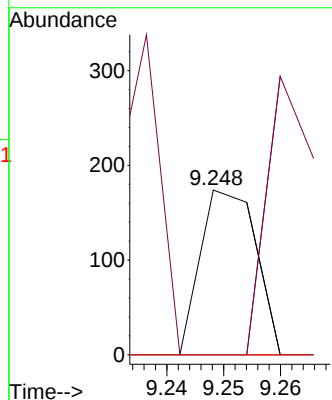
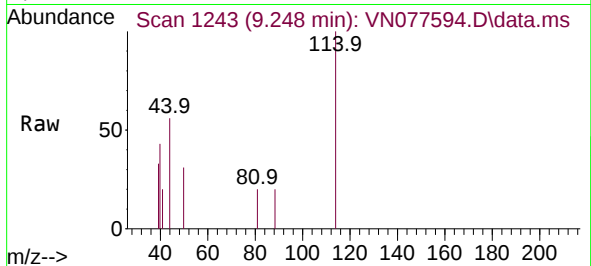




#45
1,4-Dioxane
Concen: 0.497 ug/l
RT: 9.248 min Scan# 11
Delta R.T. -0.447 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

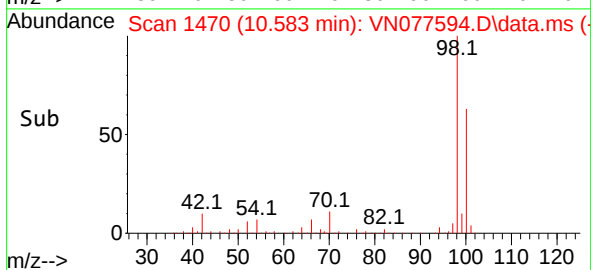
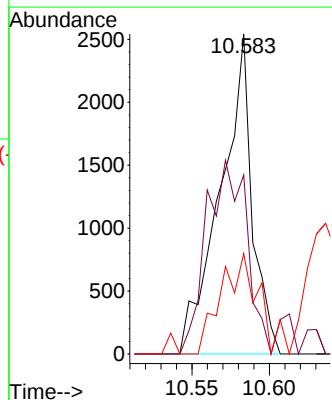
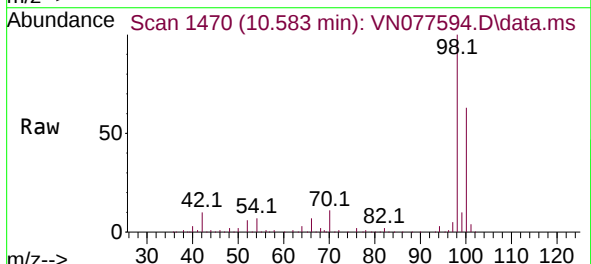
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ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

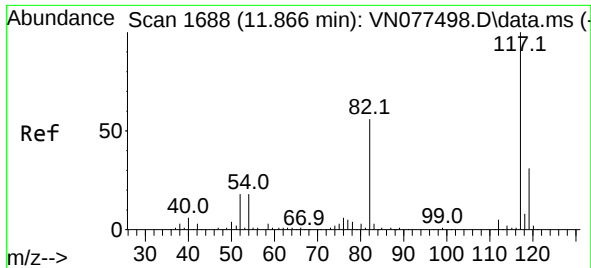
Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 215.3 16.6 24.8#
58 0.0 47.3 70.9#



#51
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 10.583 min Scan# 1470
Delta R.T. -0.294 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

Tgt Ion: 69 Resp: 3622
Ion Ratio Lower Upper
69 100
41 56.0 22.5 67.5
39 31.4 16.2 48.5

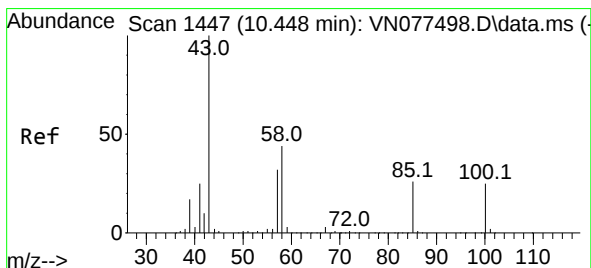
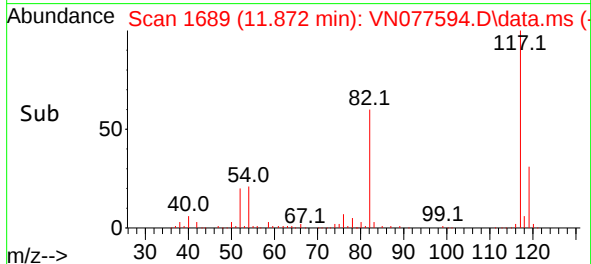
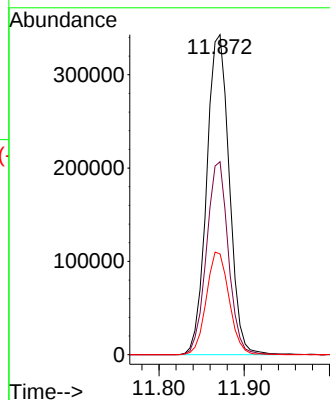
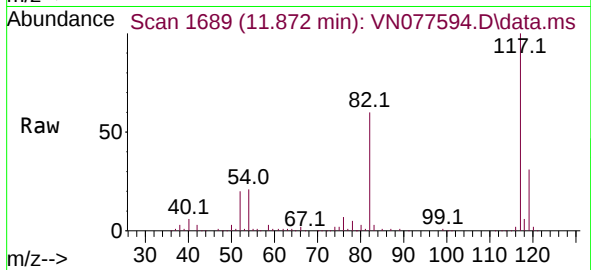




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

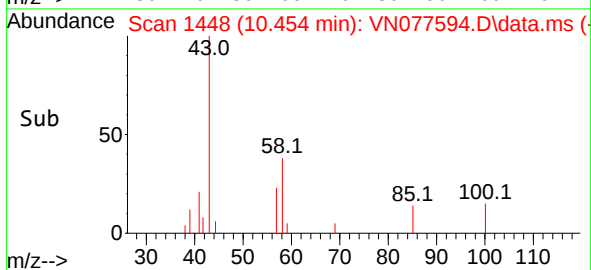
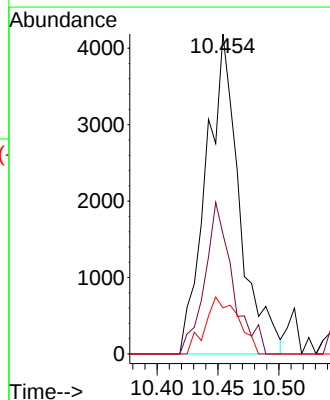
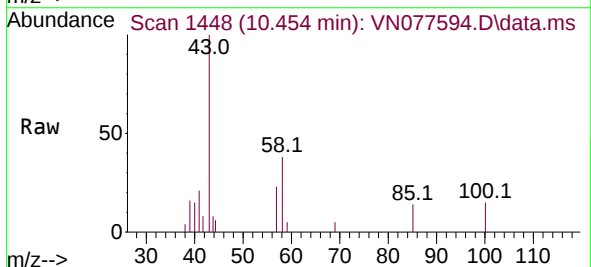
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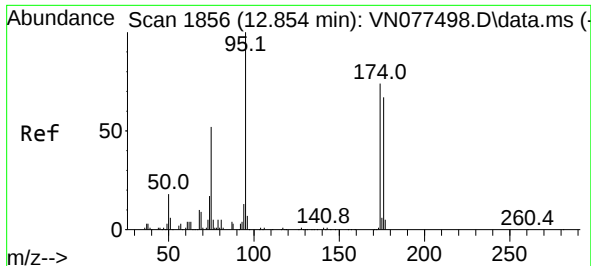
Tgt Ion:117 Resp: 631897
Ion Ratio Lower Upper
117 100
82 58.5 44.2 66.2
119 32.4 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.876 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

Tgt Ion: 43 Resp: 7972
Ion Ratio Lower Upper
43 100
58 39.5 37.2 55.8
85 17.6 21.1 31.7#

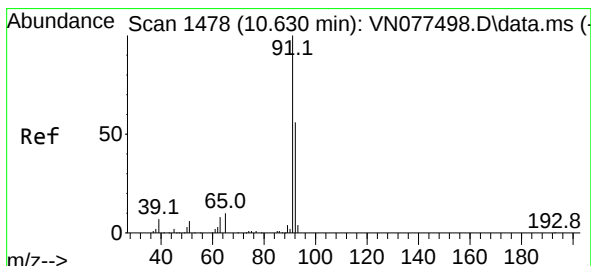
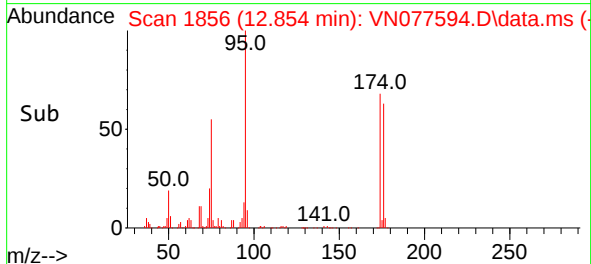
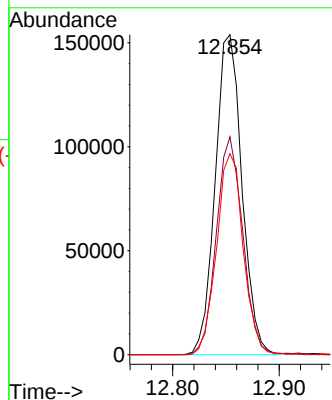
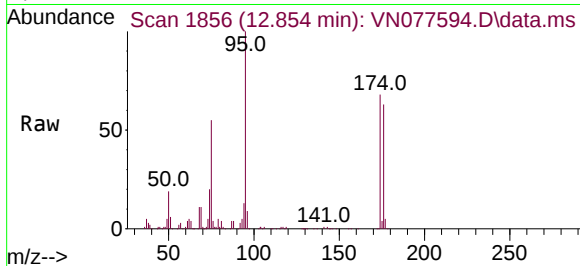




#60
4-Bromofluorobenzene
Concen: 24.259 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

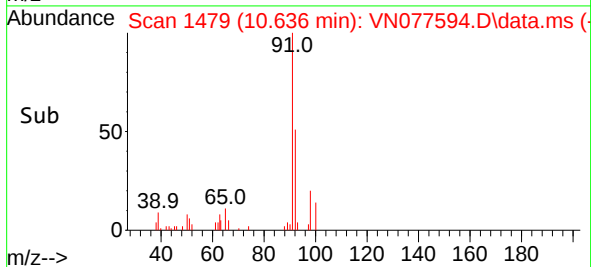
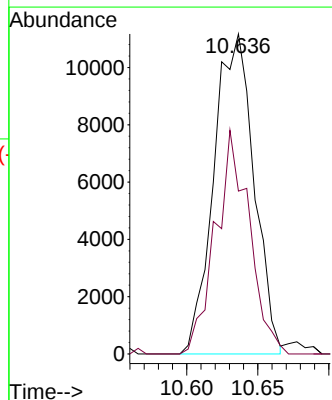
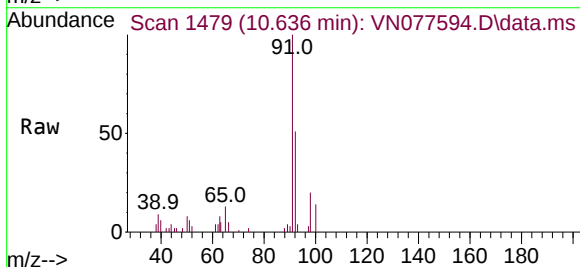
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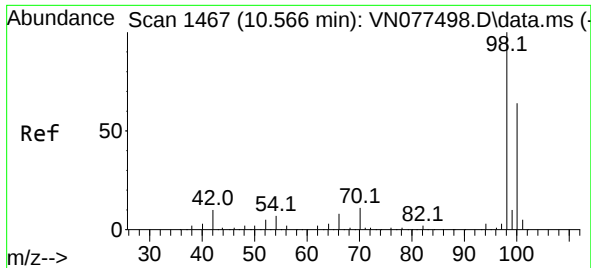
Tgt Ion: 95 Resp: 268559
Ion Ratio Lower Upper
95 100
174 66.9 55.9 83.9
176 62.7 53.9 80.9



#62
Toluene
Concen: 0.517 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

Tgt Ion: 91 Resp: 21978
Ion Ratio Lower Upper
91 100
92 58.6 46.1 69.1

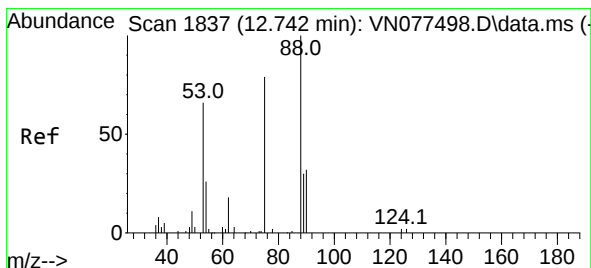
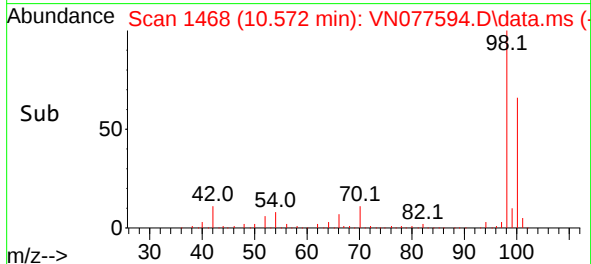
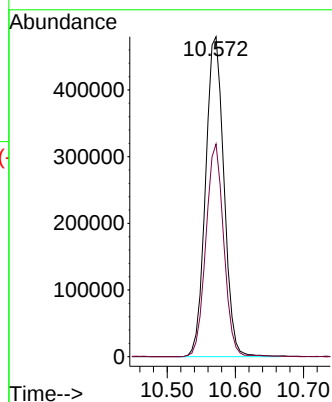
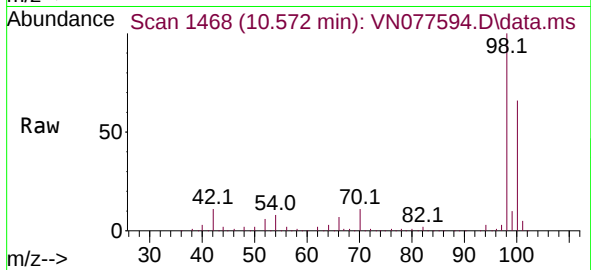




#63
Toluene-d8
Concen: 40.436 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

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

Tgt Ion: 98 Resp: 900374
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 37.501 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077594.D
Acq: 05 May 2023 16:29

Tgt Ion: 75 Resp: 146222
Ion Ratio Lower Upper
75 100
53 0.0 38.2 114.6#
89 0.0 22.1 66.1#

