

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032775.D
 Acq On : 11 Nov 2022 15:24
 Operator : JC/MD
 Sample : N5559-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(NOV)

Quant Time: Nov 14 05:13:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

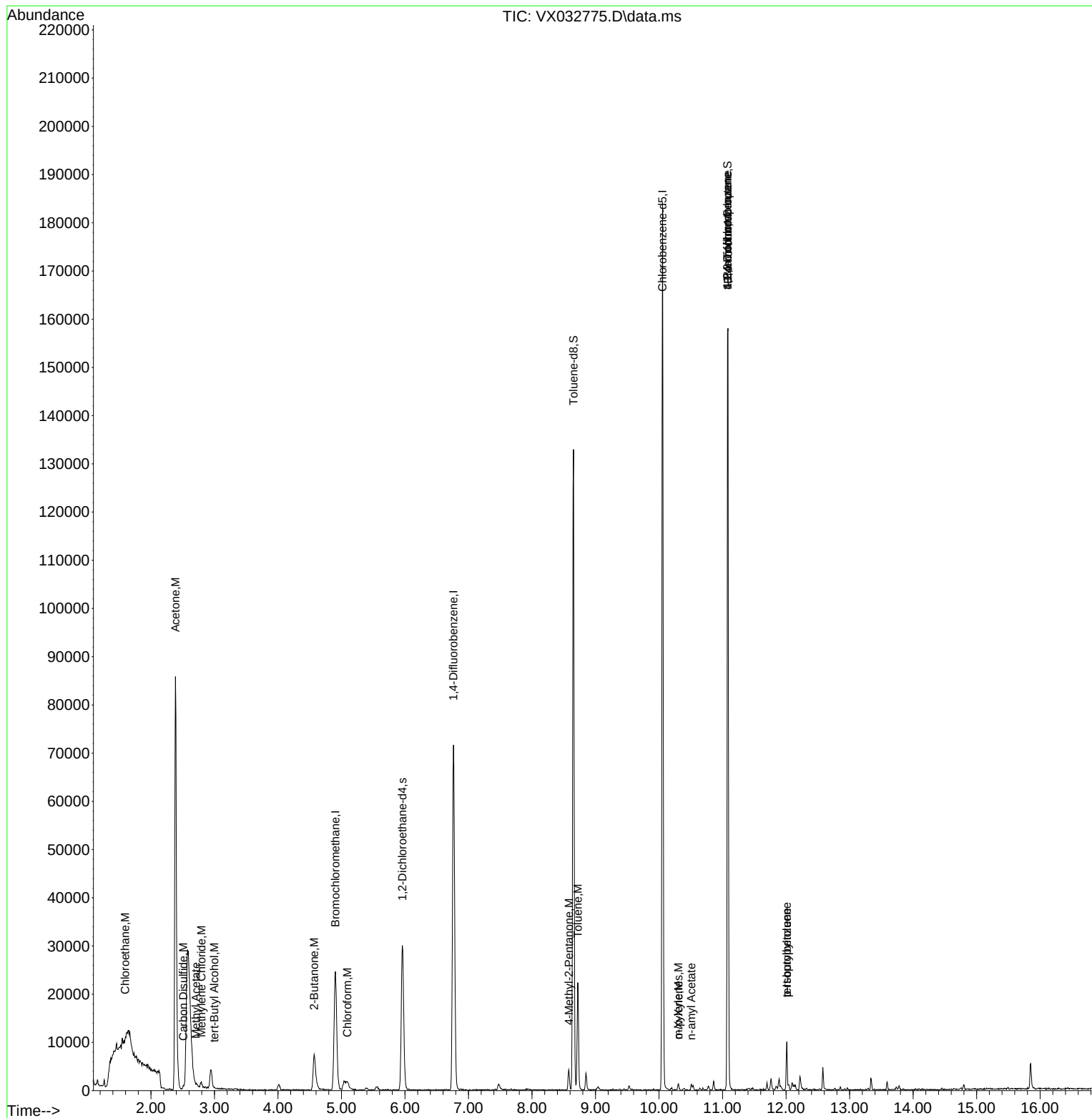
Internal Standards						
1) Bromochloromethane	4.903	128	10230	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	72695	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	78546	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31131	31.544	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.133%
60) 4-Bromofluorobenzene	11.079	95	41330	27.508	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.700%
63) Toluene-d8	8.653	98	78883	29.759	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.200%
Target Compounds						
					Qvalue	
6) Chloroethane	1.593	64	715	0.891	ug/l #	47
12) Methyl Acetate	2.709	43	686	0.465	ug/l #	44
15) Acetone	2.386	58	28620	208.266	ug/l	81
16) Carbon Disulfide	2.508	76	954	0.385	ug/l #	91
18) Methylene Chloride	2.794	84	459	0.400	ug/l #	93
23) tert-Butyl Alcohol	2.995	59	116	0.676	ug/l #	100
25) Chloroform	5.092	83	965	0.435	ug/l #	61
30) 2-Butanone	4.568	43	12202	16.231	ug/l #	85
47) n-amyl Acetate	10.506	43	702	0.312	ug/l	98
56) Bromoform	11.085	173	404	0.430	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	2589	1.684	ug/l #	87
62) Toluene	8.720	91	14606	2.859	ug/l	95
67) m/p-Xylenes	10.305	106	466	0.209	ug/l	80
68) o-Xylene	10.305	106	466	0.213	ug/l	89
72) 1,2,3-Trichloropropane	11.079	75	22373	14.539	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	22373	47.646	ug/l #	8
79) tert-butylbenzene	12.012	119	4236	0.883	ug/l	73
82) p-Isopropyltoluene	12.012	119	4236	0.870	ug/l	94

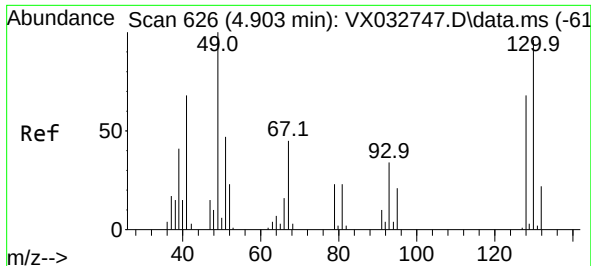
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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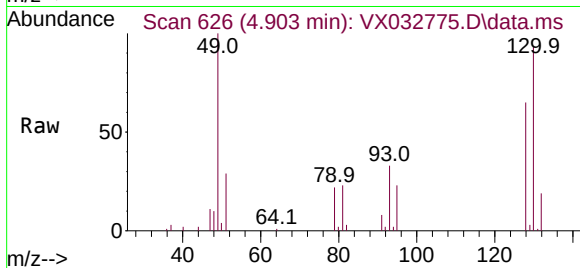
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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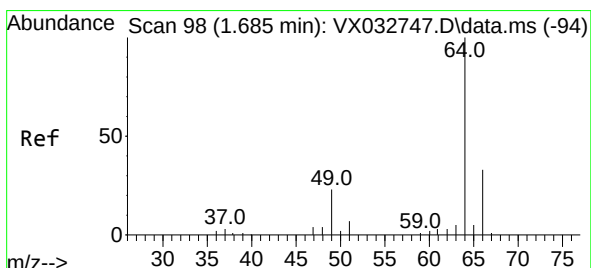
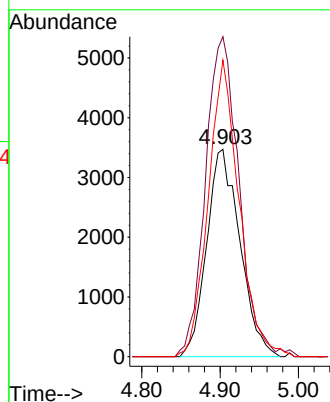
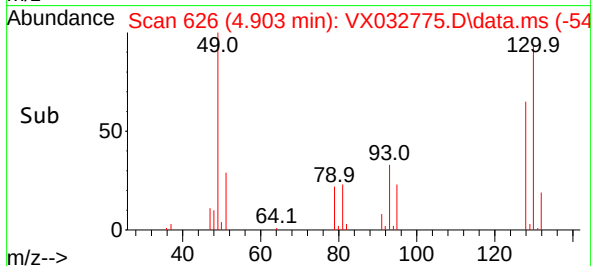


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Instrument :
MSVOA_X
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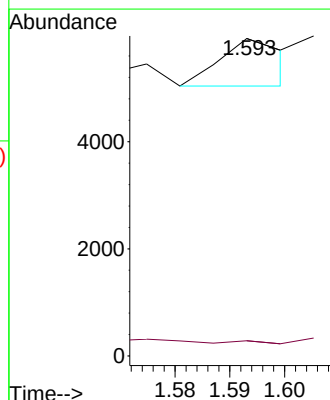
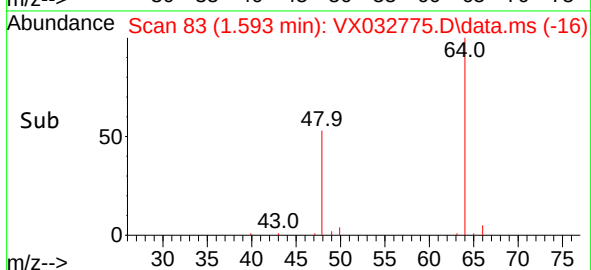
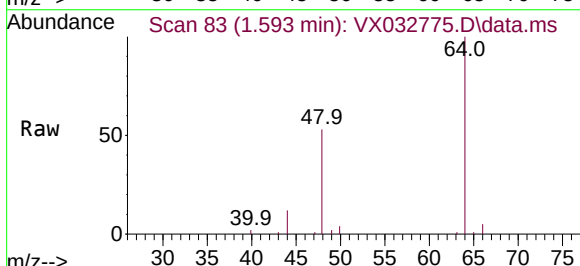


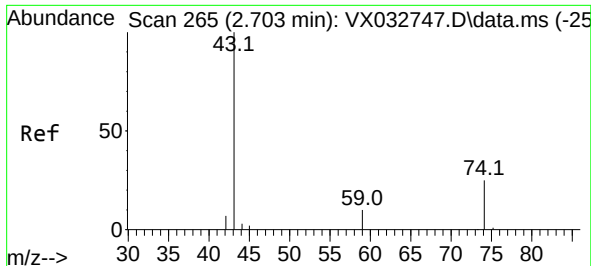
Tgt Ion:128 Resp: 10230
Ion Ratio Lower Upper
128 100
49 154.6 0.0 293.0
130 132.8 0.0 321.5



#6
Chloroethane
Concen: 0.891 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.091 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Tgt Ion: 64 Resp: 715
Ion Ratio Lower Upper
64 100
66 6.3 30.6 46.0#

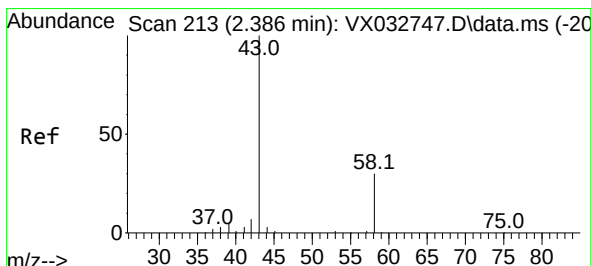
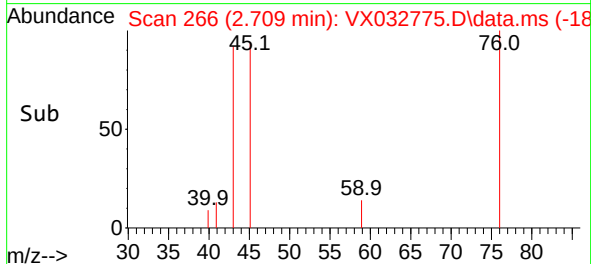
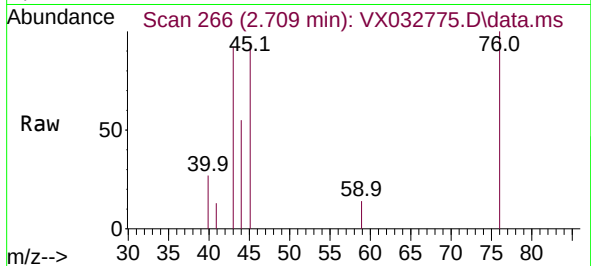




#12
Methyl Acetate
Concen: 0.465 ug/l
RT: 2.709 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

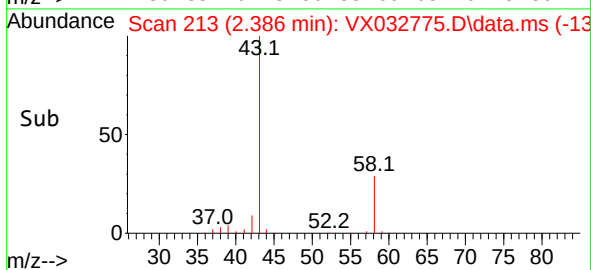
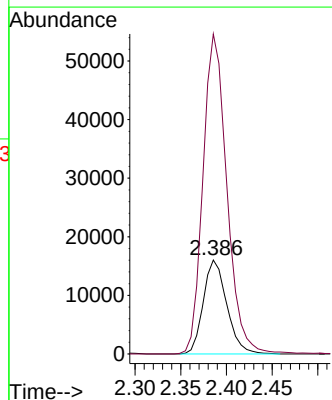
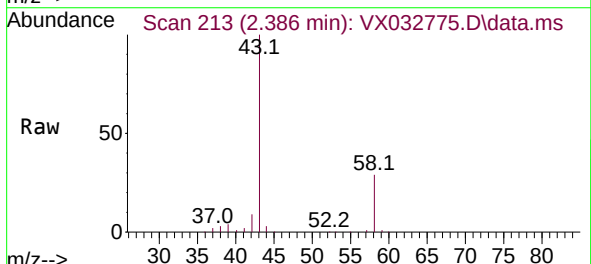
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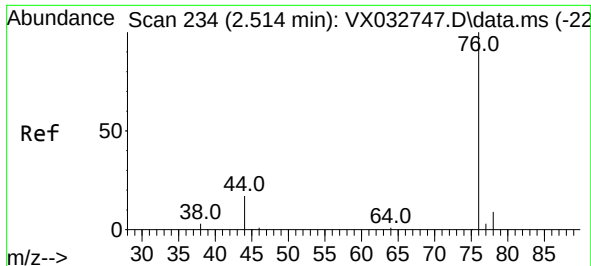
Tgt Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
74 0.0 24.8 37.2#



#15
Acetone
Concen: 208.266 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Tgt Ion: 58 Resp: 28620
Ion Ratio Lower Upper
58 100
43 340.1 242.6 364.0

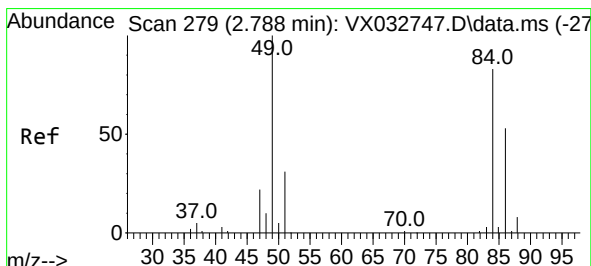
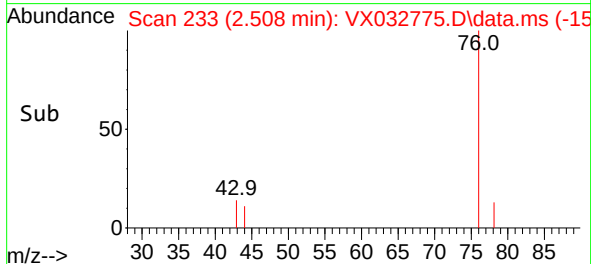
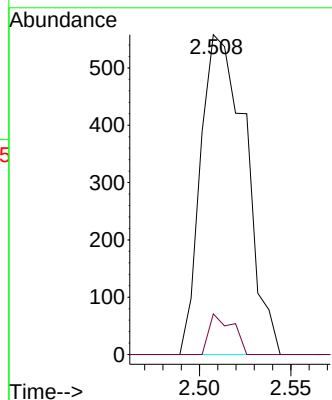
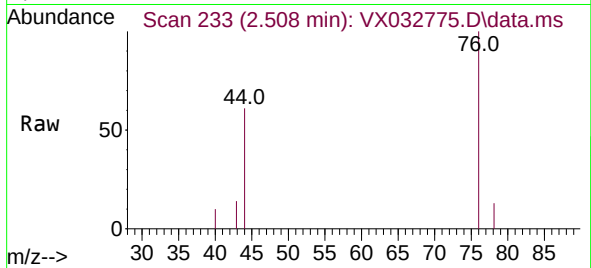




#16
Carbon Disulfide
Concen: 0.385 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

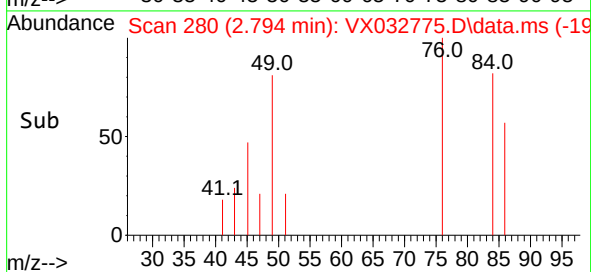
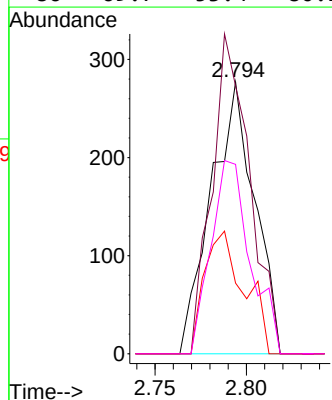
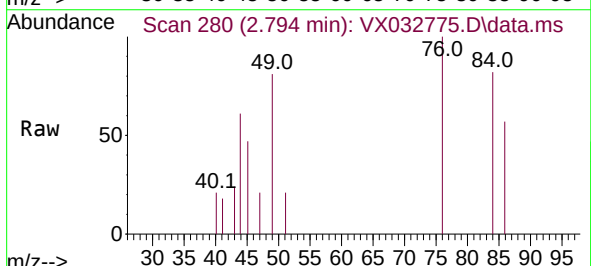
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(NOV)

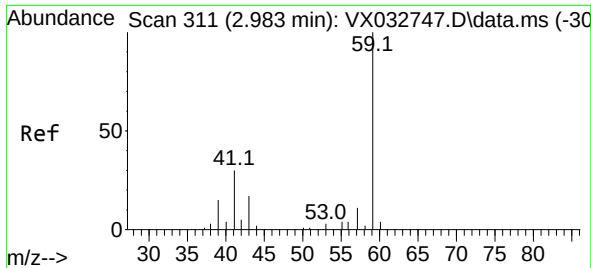
Tgt Ion: 76 Resp: 954
Ion Ratio Lower Upper
76 100
78 12.7 7.5 11.3#



#18
Methylene Chloride
Concen: 0.400 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Tgt Ion: 84 Resp: 459
Ion Ratio Lower Upper
84 100
49 98.6 84.6 127.0
51 26.0 26.5 39.7#
86 69.7 53.4 80.2

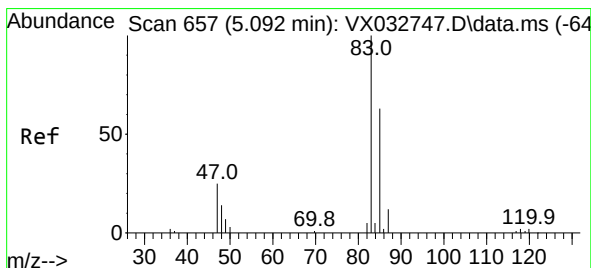
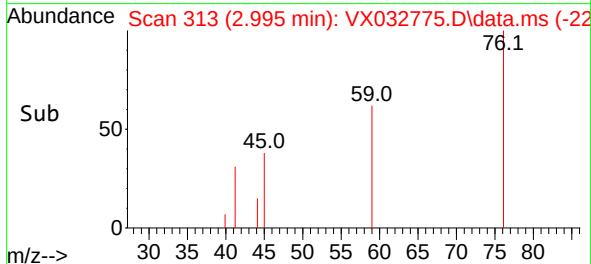
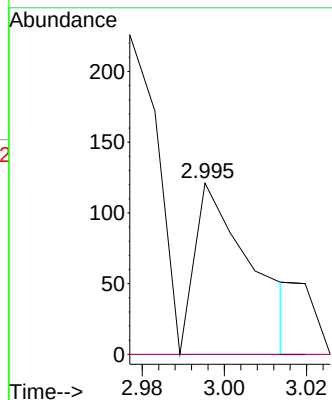
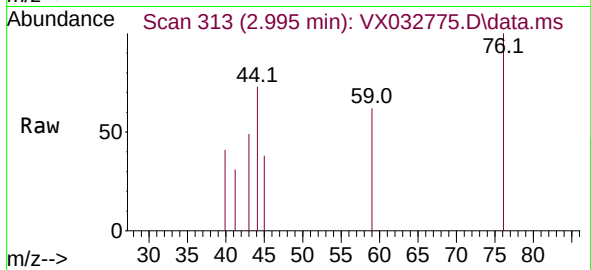




#23
tert-Butyl Alcohol
Concen: 0.676 ug/l
RT: 2.995 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

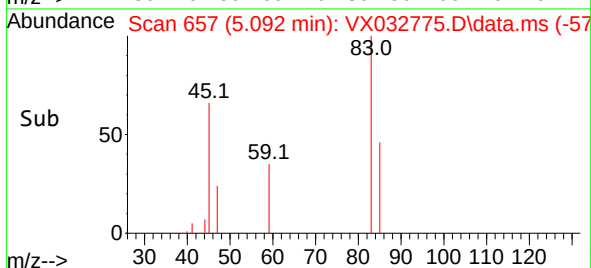
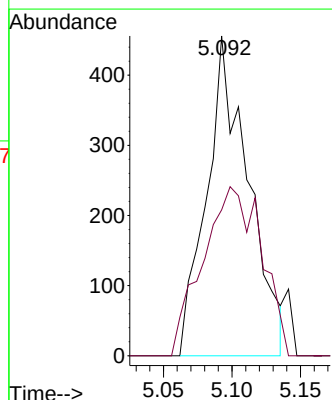
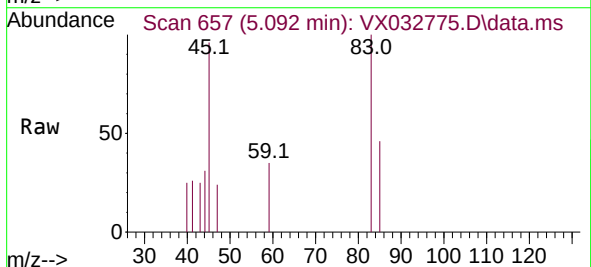
Instrument :
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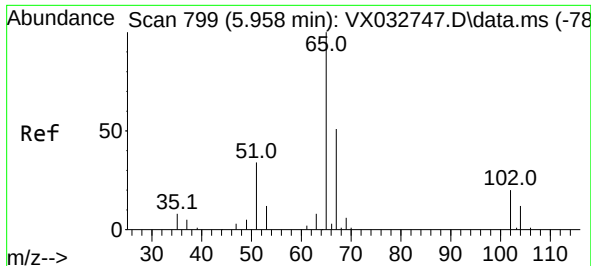
Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.435 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.000 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Tgt Ion: 83 Resp: 965
Ion Ratio Lower Upper
83 100
85 33.6 51.4 77.0#

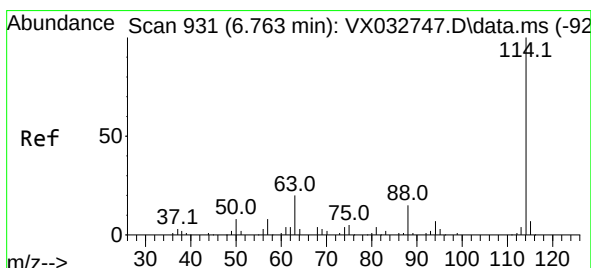
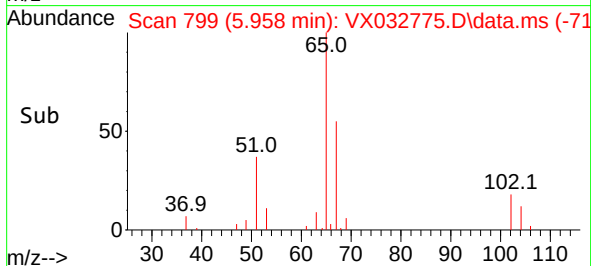
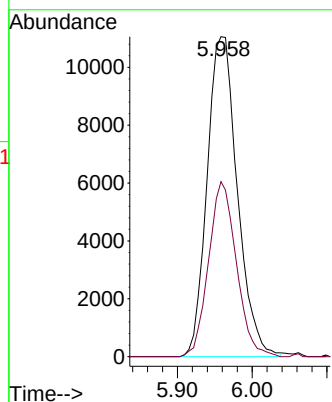
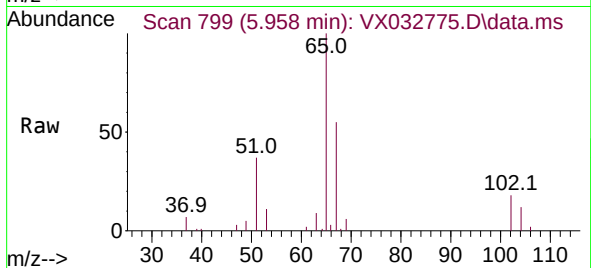




#27
 1,2-Dichloroethane-d4
 Concen: 31.544 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX032775.D
 Acq: 11 Nov 2022 15:24

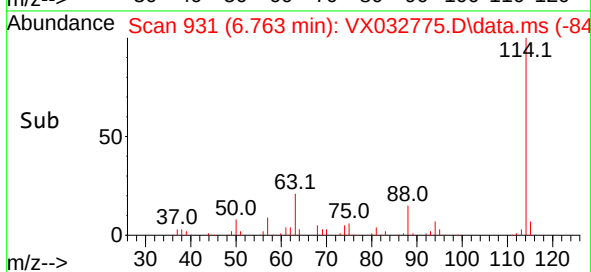
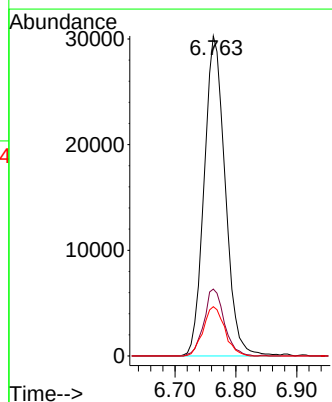
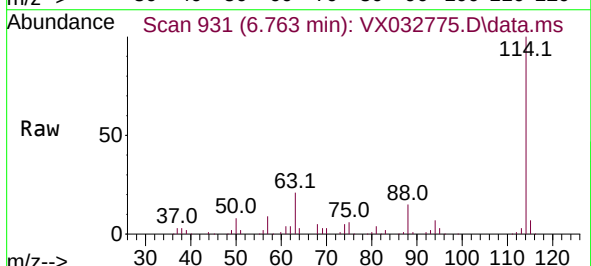
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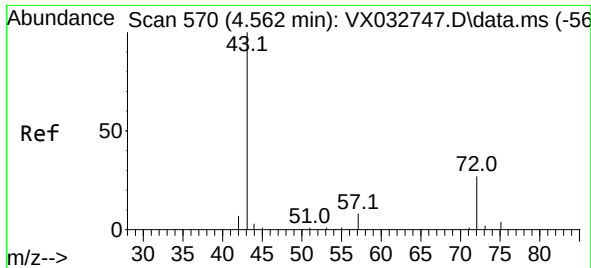
Tgt Ion: 65 Resp: 31131
 Ion Ratio Lower Upper
 65 100
 67 50.3 41.8 62.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX032775.D
 Acq: 11 Nov 2022 15:24

Tgt Ion: 114 Resp: 72695
 Ion Ratio Lower Upper
 114 100
 63 20.2 13.6 20.4
 88 15.7 11.8 17.6

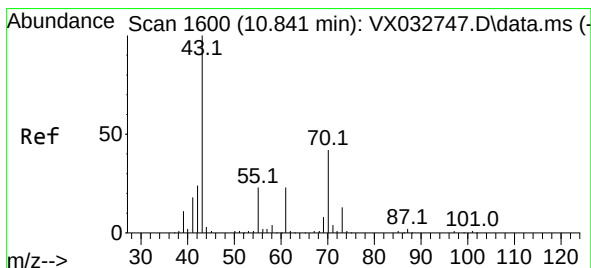
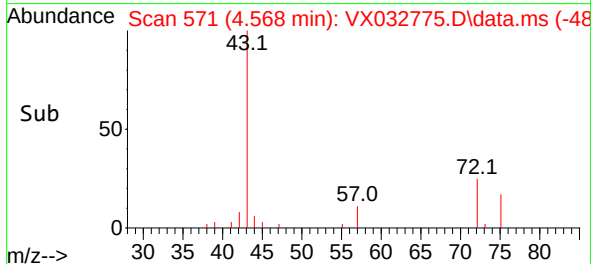
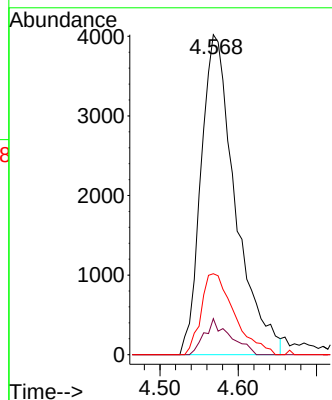
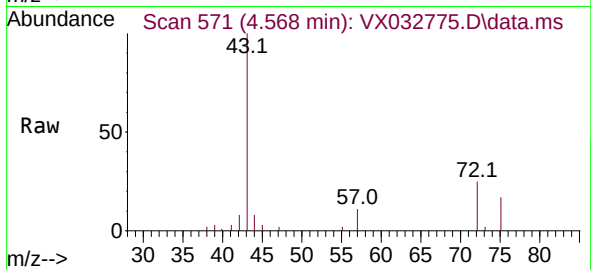




#30
2-Butanone
Concen: 16.231 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

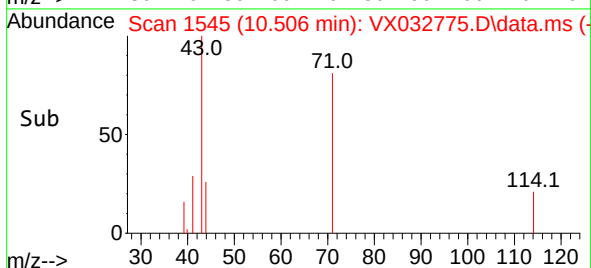
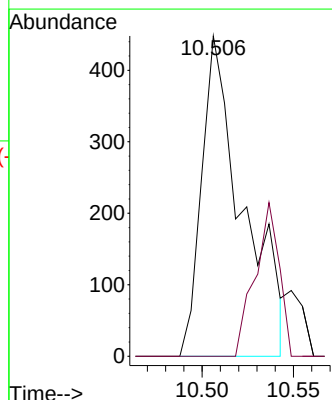
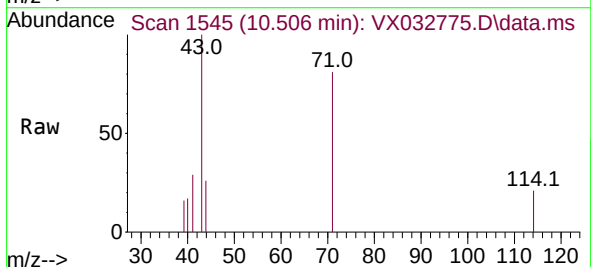
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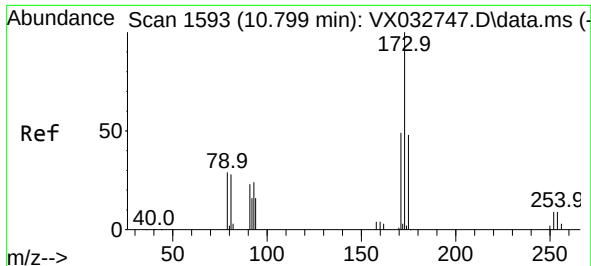
Tgt Ion: 43 Resp: 12202
Ion Ratio Lower Upper
43 100
57 4.5 7.5 11.3#
72 24.5 26.6 39.8#



#47
n-amy1 Acetate
Concen: 0.312 ug/l
RT: 10.506 min Scan# 1545
Delta R.T. -0.335 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
55 28.1 21.6 32.4

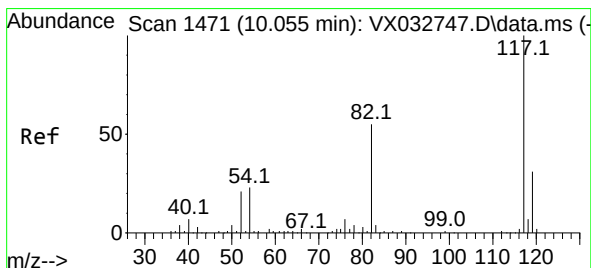
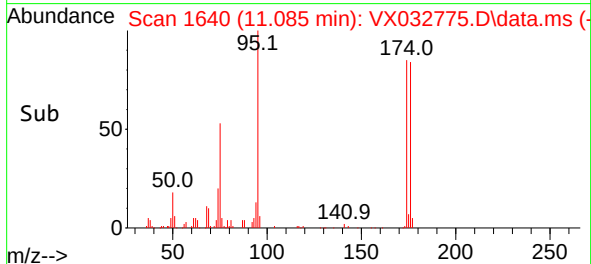
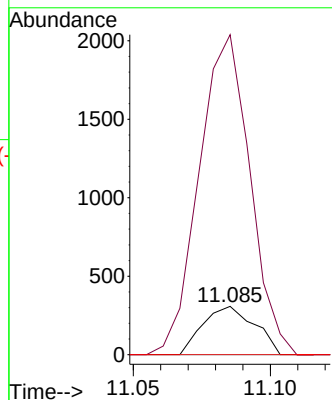
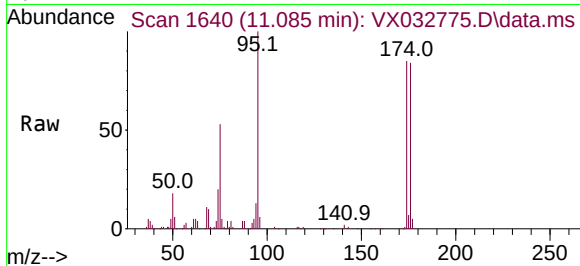




#56
Bromoform
Concen: 0.430 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.287 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

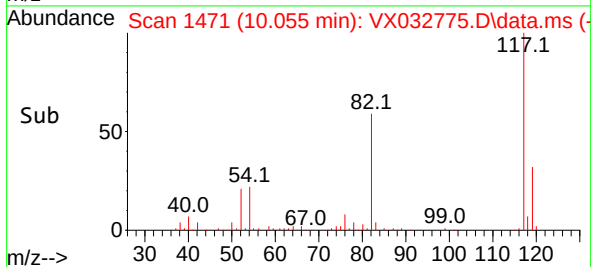
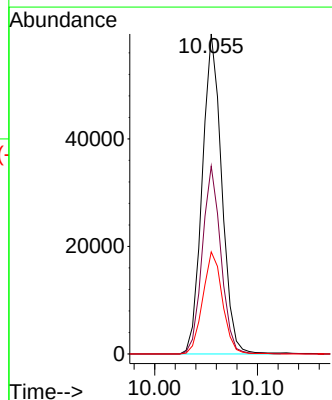
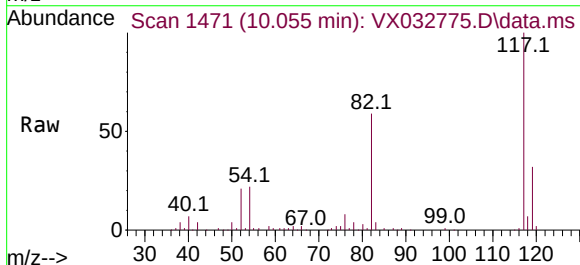
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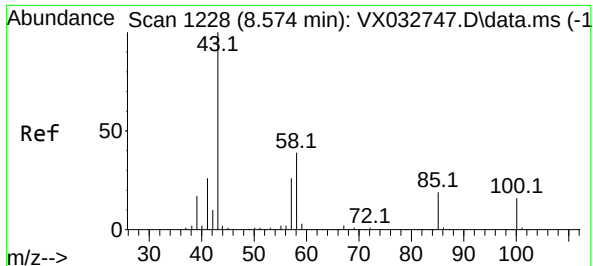
Tgt Ion:173 Resp: 404
Ion Ratio Lower Upper
173 100
175 652.7 38.6 58.0#
254 0.0 6.8 10.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Tgt Ion:117 Resp: 78546
Ion Ratio Lower Upper
117 100
82 56.2 40.0 60.0
119 32.1 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 1.684 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX032775.D

Acq: 11 Nov 2022 15:24

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(NOV)

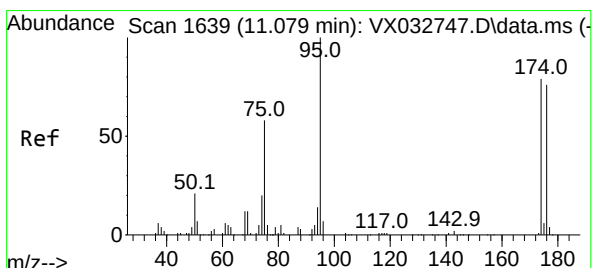
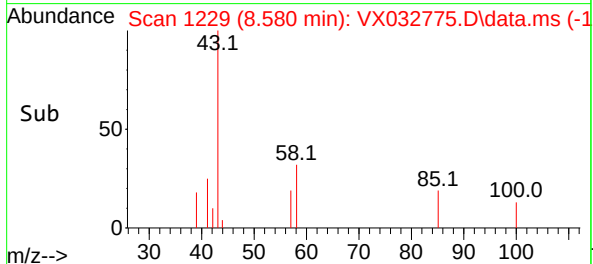
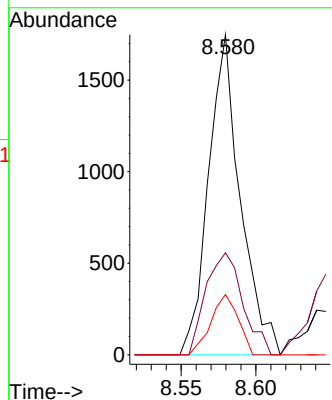
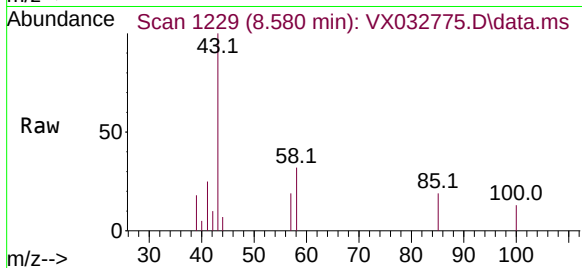
Tgt Ion: 43 Resp: 2589

Ion Ratio Lower Upper

43 100

58 36.8 34.9 52.3

85 16.1 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 27.508 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX032775.D

Acq: 11 Nov 2022 15:24

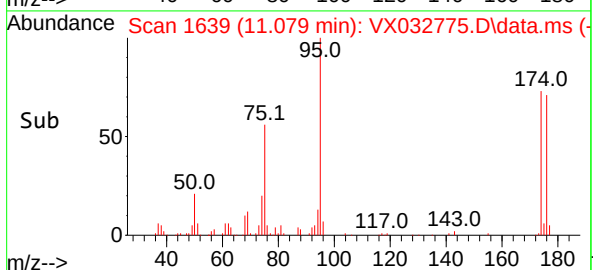
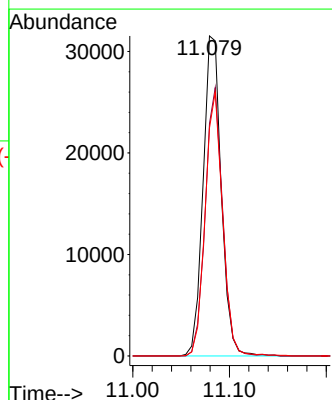
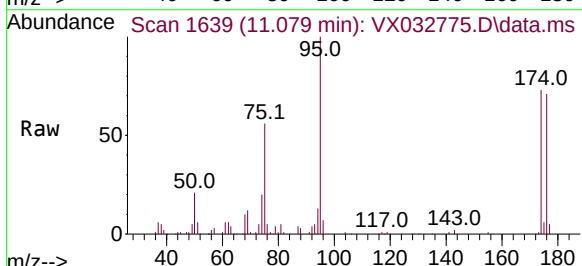
Tgt Ion: 95 Resp: 41330

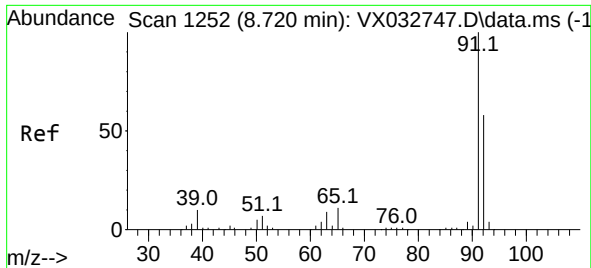
Ion Ratio Lower Upper

95 100

174 79.9 68.2 102.2

176 78.9 68.1 102.1





#62

Toluene

Concen: 2.859 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032775.D

Acq: 11 Nov 2022 15:24

Instrument :

MSVOA_X

ClientSampleId :

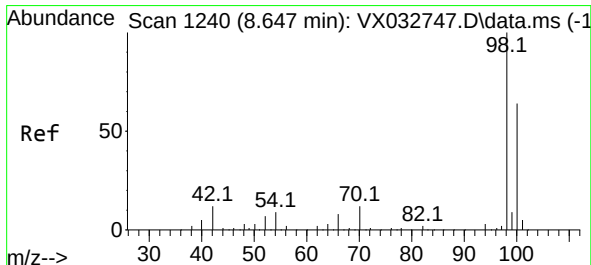
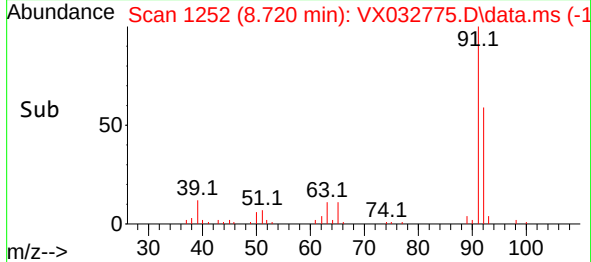
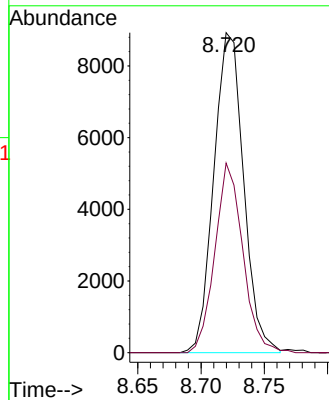
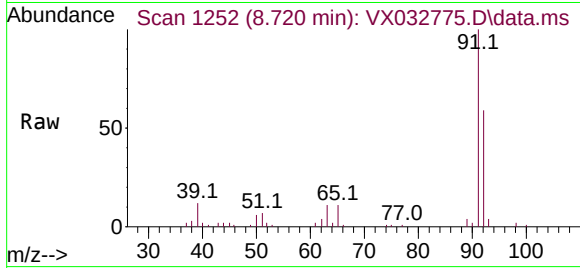
001-WILLETS-PT-BLVD(NOV)

Tgt Ion: 91 Resp: 14606

Ion Ratio Lower Upper

91 100

92 55.6 47.3 70.9



#63

Toluene-d8

Concen: 29.759 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX032775.D

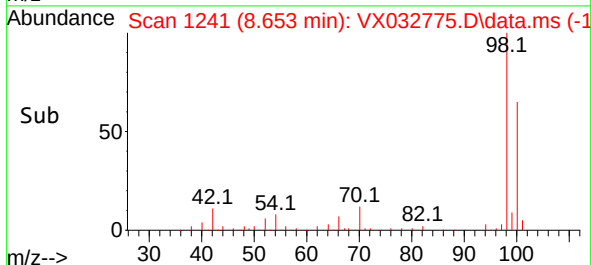
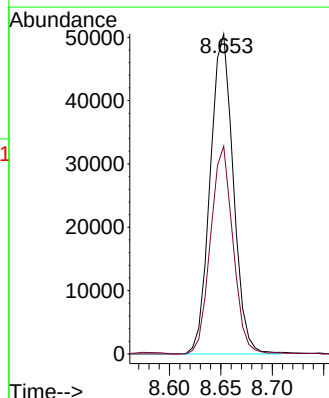
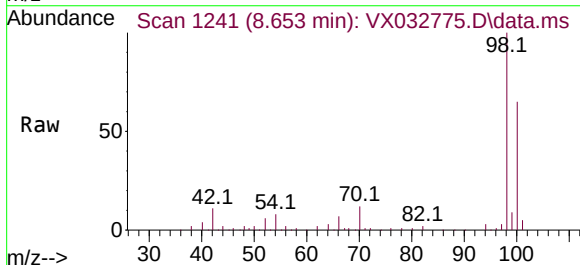
Acq: 11 Nov 2022 15:24

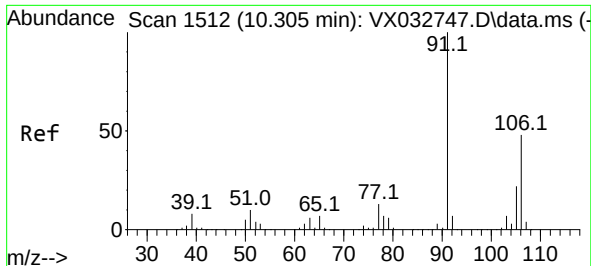
Tgt Ion: 98 Resp: 78883

Ion Ratio Lower Upper

98 100

100 63.1 53.8 80.8

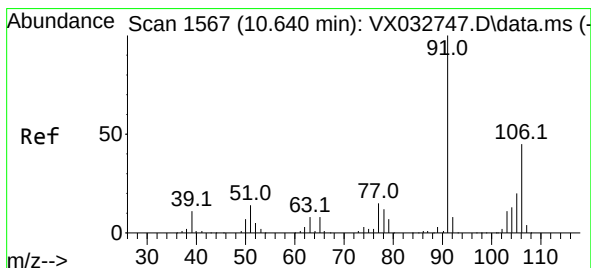
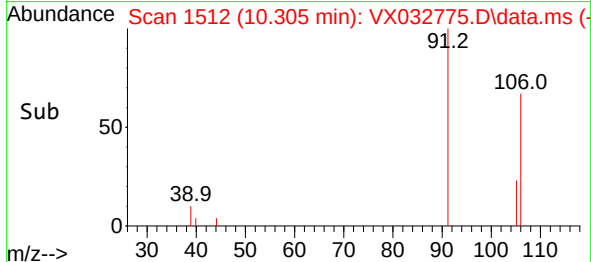
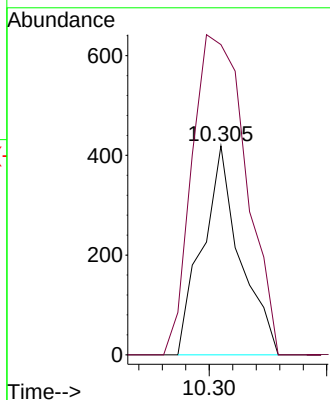
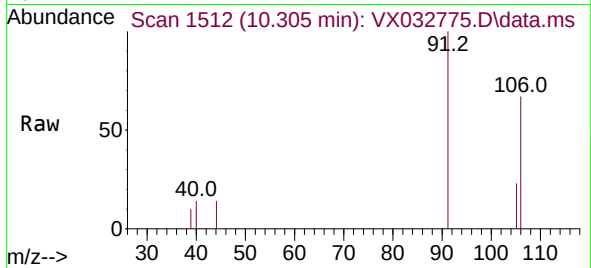




#67
m/p-Xylenes
Concen: 0.209 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

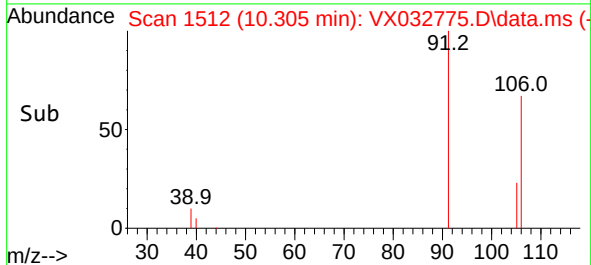
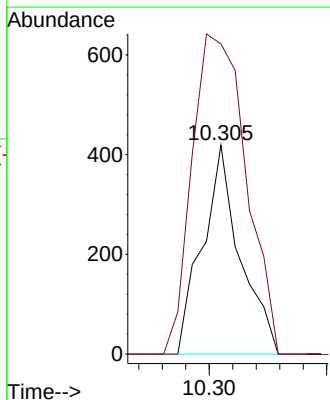
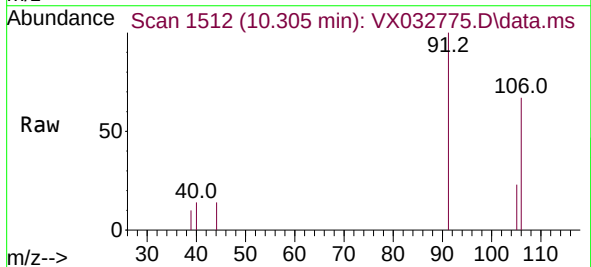
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(NOV)

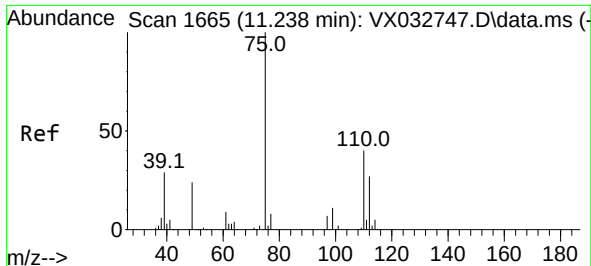
Tgt Ion:106 Resp: 466
Ion Ratio Lower Upper
106 100
91 220.0 152.3 228.5



#68
o-Xylene
Concen: 0.213 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.335 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Tgt Ion:106 Resp: 466
Ion Ratio Lower Upper
106 100
91 220.0 101.9 305.7

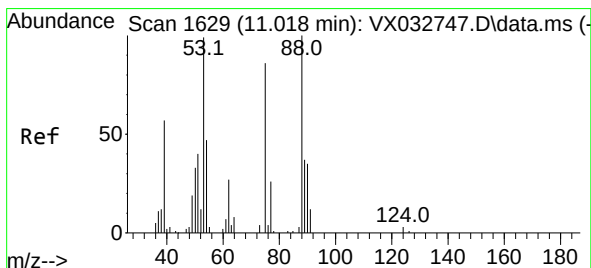
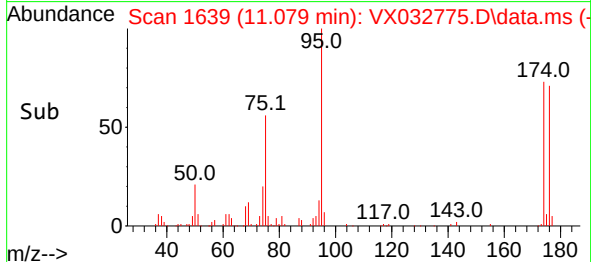
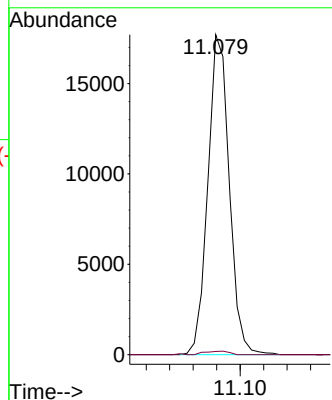
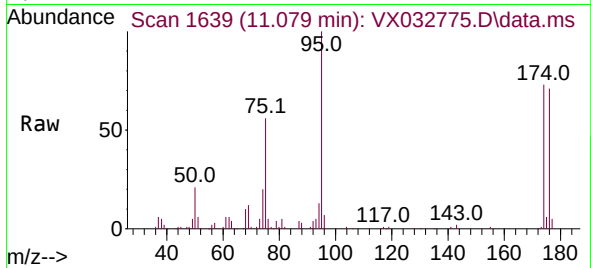




#72
1,2,3-Trichloropropane
Concen: 14.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

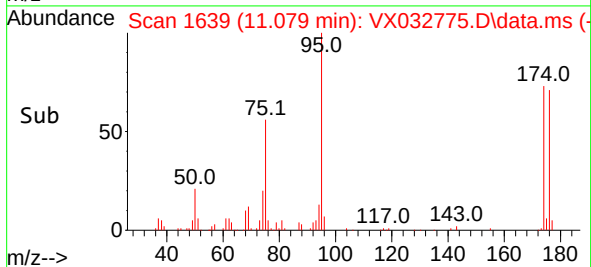
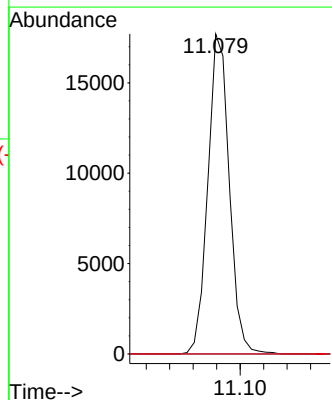
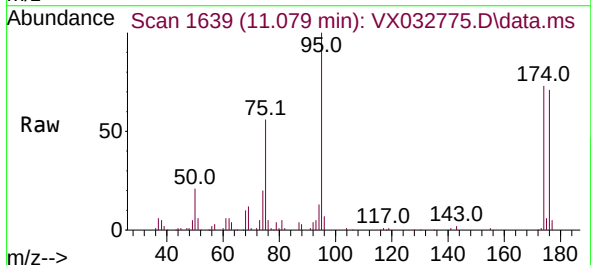
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(NOV)

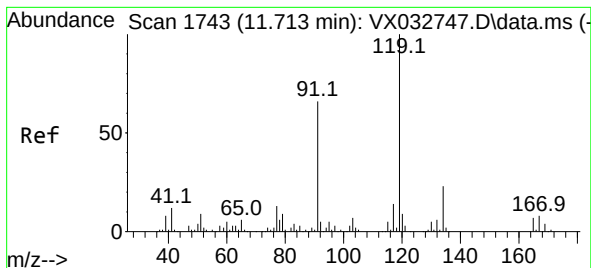
Tgt Ion: 75 Resp: 22373
Ion Ratio Lower Upper
75 100
77 1.2 0.0 76.6



#77
t-1,4-Dichloro-2-butene
Concen: 47.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032775.D
Acq: 11 Nov 2022 15:24

Tgt Ion: 75 Resp: 22373
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#





#79

tert-butylbenzene

Concen: 0.883 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.299 min

Lab File: VX032775.D

Acq: 11 Nov 2022 15:24

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(NOV)

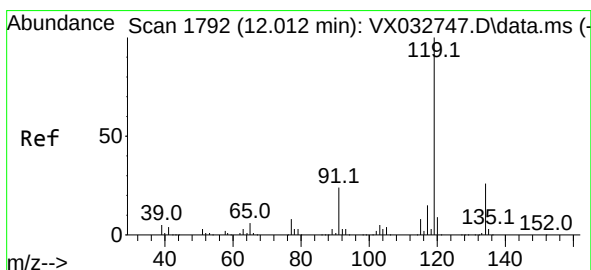
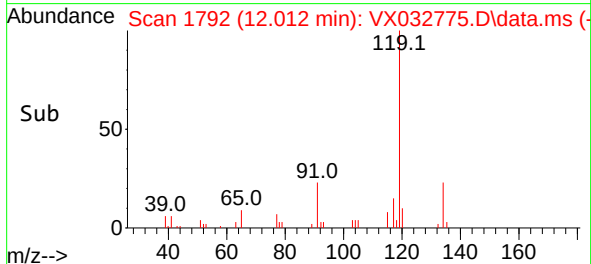
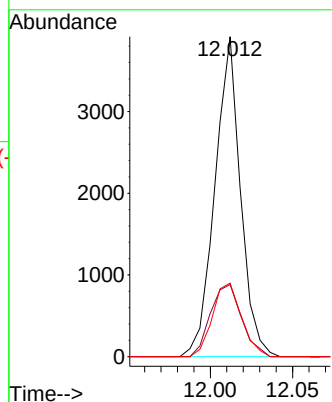
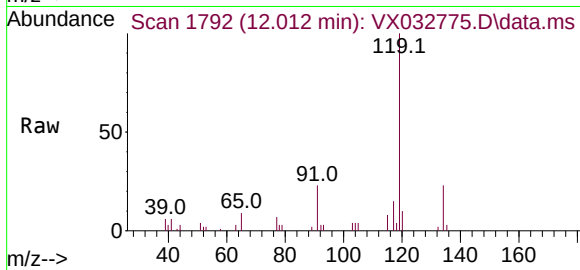
Tgt Ion:119 Resp: 4236

Ion Ratio Lower Upper

119 100

91 27.4 0.0 112.0

134 26.2 0.0 51.0



#82

p-Isopropyltoluene

Concen: 0.870 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VX032775.D

Acq: 11 Nov 2022 15:24

Tgt Ion:119 Resp: 4236

Ion Ratio Lower Upper

119 100

134 26.2 0.0 55.4

91 27.4 0.0 45.6

