

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030924\
 Data File : VX040624.D
 Acq On : 08 Mar 2024 12:02
 Operator : JC/MD
 Sample : P1689-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 08 23:52:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

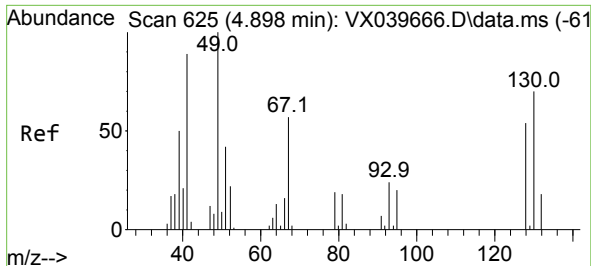
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.897	128	16658	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	93722	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	87993	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	49104	29.515	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.367%		
60) 4-Bromofluorobenzene	11.079	95	38626	25.591	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	85.300%		
63) Toluene-d8	8.647	98	114226	29.374	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.900%		
Target Compounds						Qvalue
6) Chloroethane	1.672	64	176	0.239	ug/l #	43
12) Methyl Acetate	2.709	43	797	0.487	ug/l #	54
13) Acrolein	2.239	56	520	1.686	ug/l	91
15) Acetone	2.373	58	15650	84.972	ug/l #	66
16) Carbon Disulfide	2.508	76	1489	0.545	ug/l #	73
18) Methylene Chloride	2.782	84	279	0.246	ug/l #	51
23) tert-Butyl Alcohol	2.953	59	4790	15.734	ug/l #	100
25) Chloroform	5.092	83	542	0.235	ug/l #	26
30) 2-Butanone	4.568	43	9249	9.343	ug/l #	76
48) t-1,3-Dichloropropene	8.714	75	645	0.350	ug/l #	1
49) cis-1,3-Dichloropropene	8.714	75	645	0.344	ug/l #	1
56) Bromoform	11.079	173	247	0.263	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	8706	4.443	ug/l	97
59) 2-Hexanone	9.439	43	1298	0.820	ug/l	88
62) Toluene	8.720	91	72240	14.906	ug/l	98
67) m/p-Xylenes	10.305	106	665	0.322	ug/l	97
72) 1,2,3-Trichloropropane	11.079	75	22179	13.100	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	22179	42.153	ug/l #	12
79) tert-butylbenzene	12.006	119	3326	0.754	ug/l	66
80) 1,2,4-Trimethylbenzene	11.756	105	3135	0.673	ug/l	63
82) p-Isopropyltoluene	12.006	119	3326	0.698	ug/l	96
91) Naphthalene	13.774	128	1502	0.285	ug/l #	91

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

Quant Time: Mar 08 23:52:22 2024
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QLast Update : Tue Mar 05 13:21:29 2024
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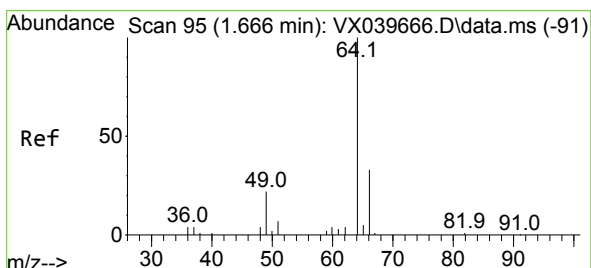
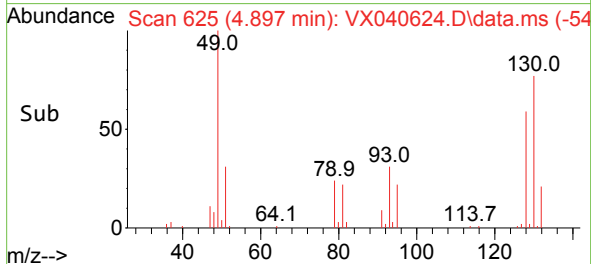
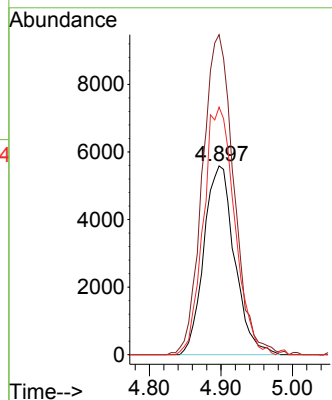
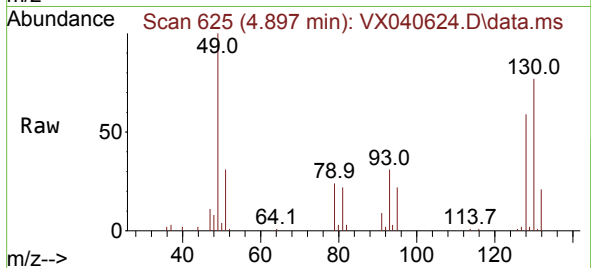




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

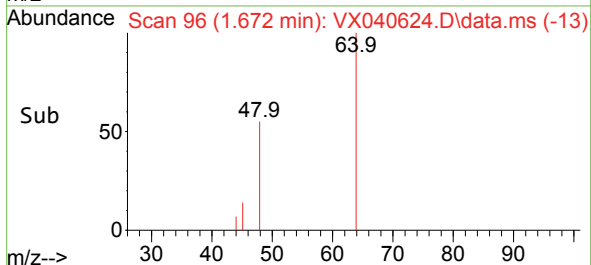
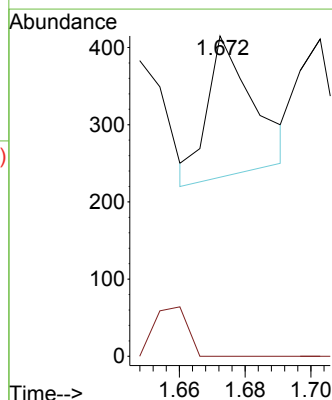
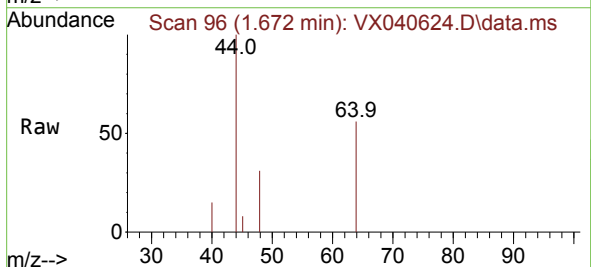
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MARCH)

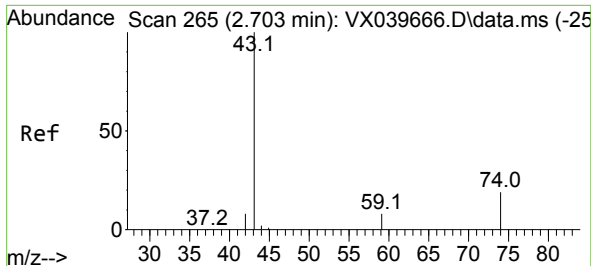
Tgt Ion:128 Resp: 16658
Ion Ratio Lower Upper
128 100
49 173.3 0.0 444.0
130 57.8 0.0 297.8



#6
Chloroethane
Concen: 0.239 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

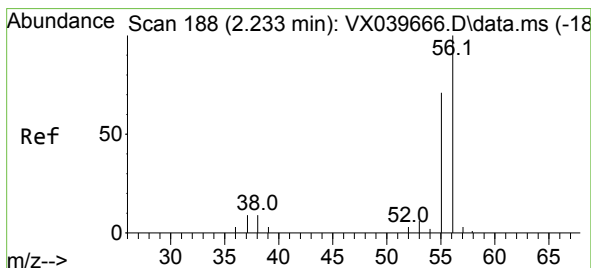
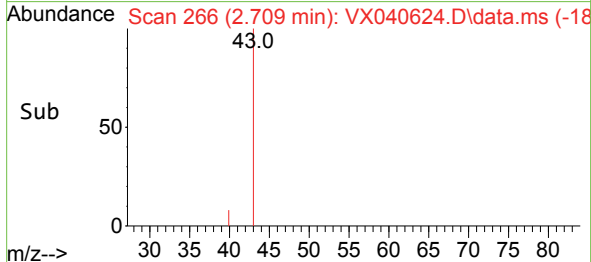
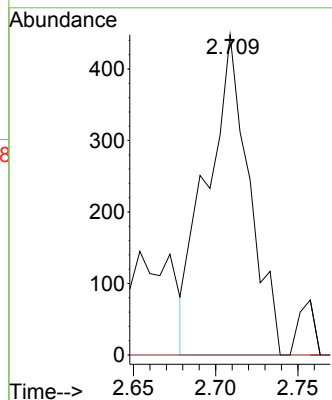
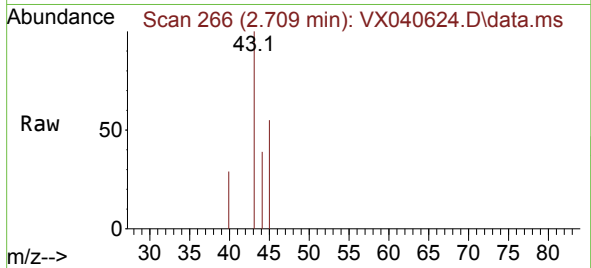




#12
Methyl Acetate
Concen: 0.487 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

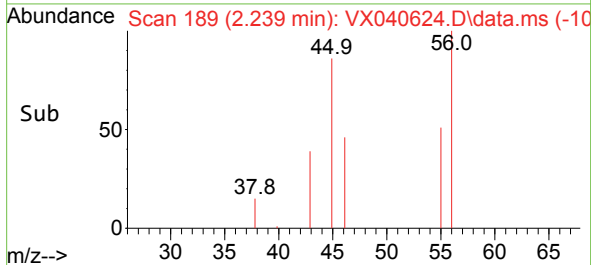
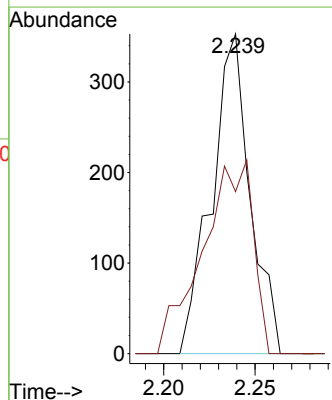
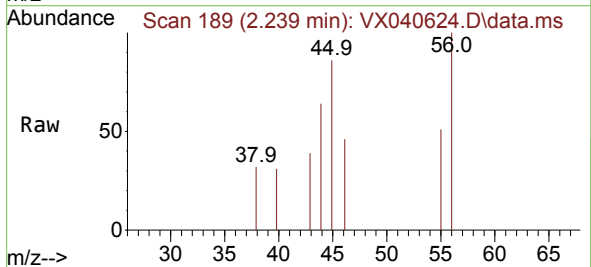
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MARCH)

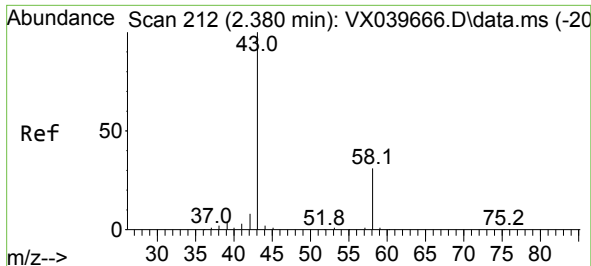
Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#



#13
Acrolein
Concen: 1.686 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

Tgt Ion: 56 Resp: 520
Ion Ratio Lower Upper
56 100
55 78.8 57.2 85.8





#15

Acetone

Concen: 84.972 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.007 min

Lab File: VX040624.D

Acq: 08 Mar 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :

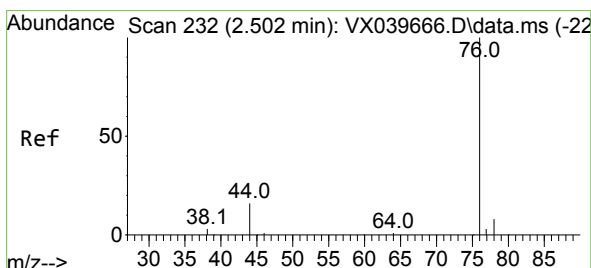
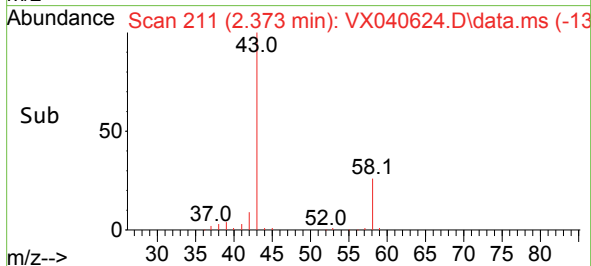
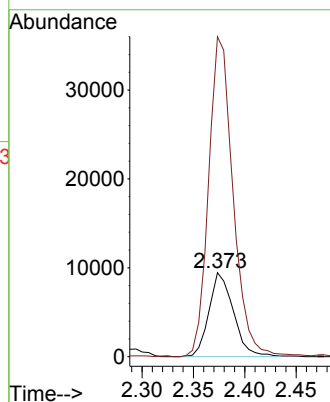
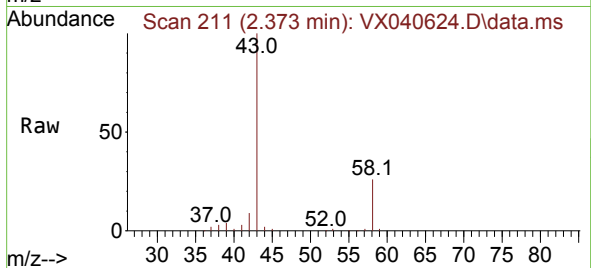
001-WILLETS-PT-BLVD(MARCH)

Tgt Ion: 58 Resp: 15650

Ion Ratio Lower Upper

58 100

43 381.2 249.9 374.9#



#16

Carbon Disulfide

Concen: 0.545 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX040624.D

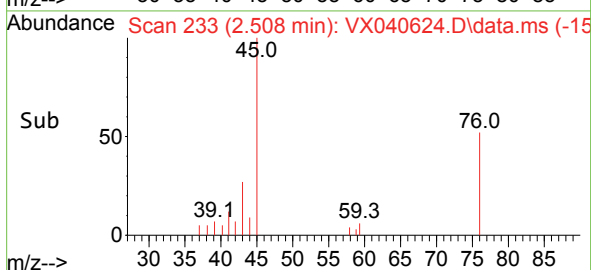
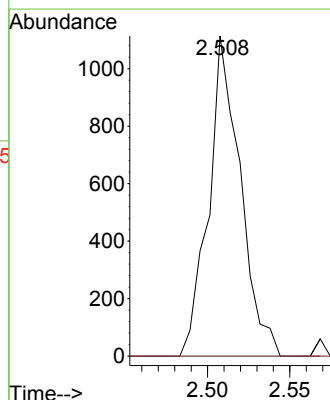
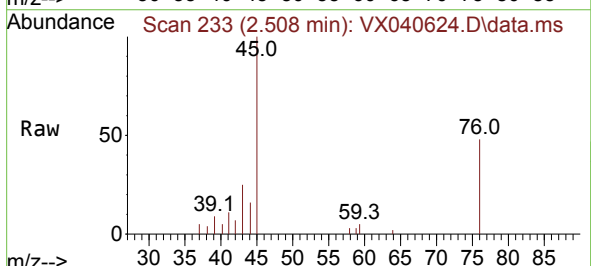
Acq: 08 Mar 2024 12:02

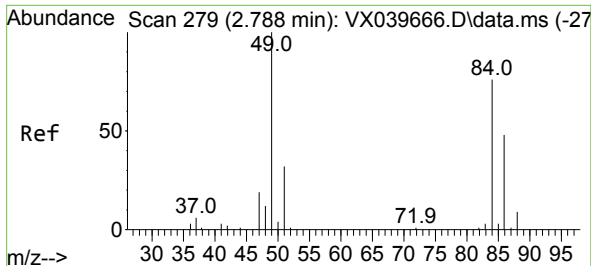
Tgt Ion: 76 Resp: 1489

Ion Ratio Lower Upper

76 100

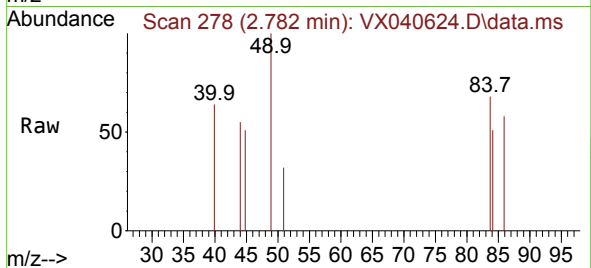
78 0.0 8.0 12.0#



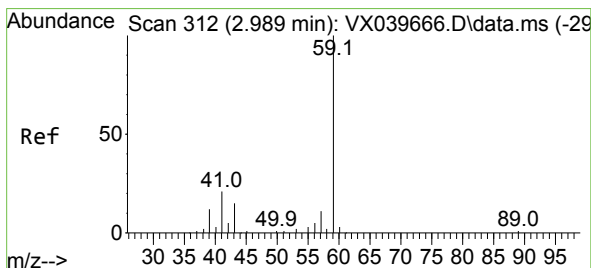
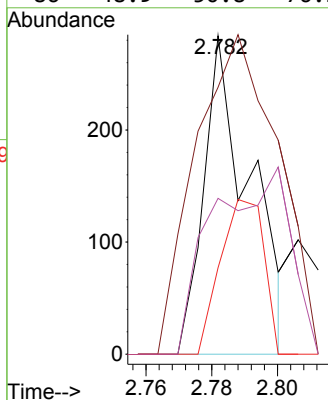
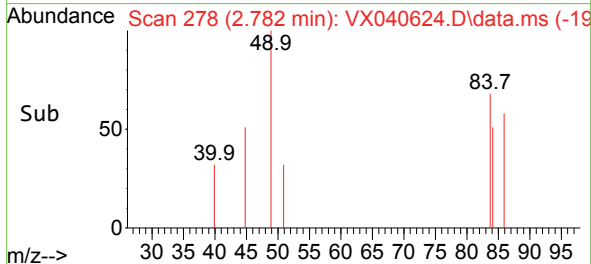


#18
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

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

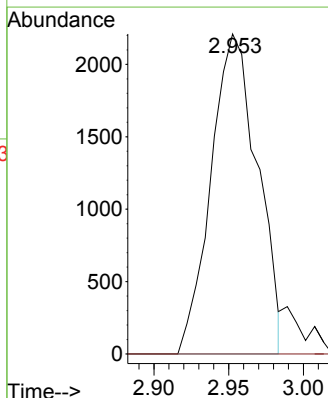
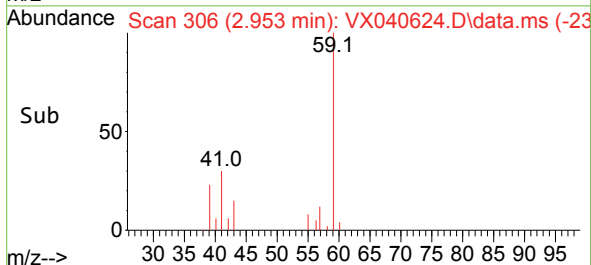
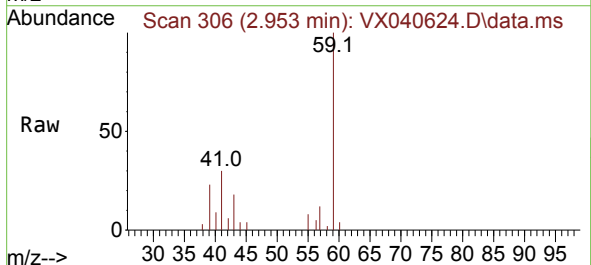


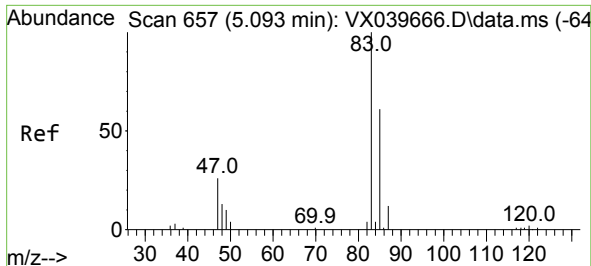
Tgt Ion:	84	Resp:	279
Ion	Ratio	Lower	Upper
84	100		
49	46.1	103.8	155.8#
51	27.1	31.8	47.6#
86	48.9	50.8	76.2#



#23
tert-Butyl Alcohol
Concen: 15.734 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

Tgt Ion:	59	Resp:	4790
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

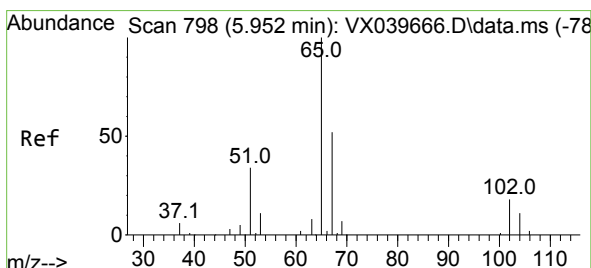
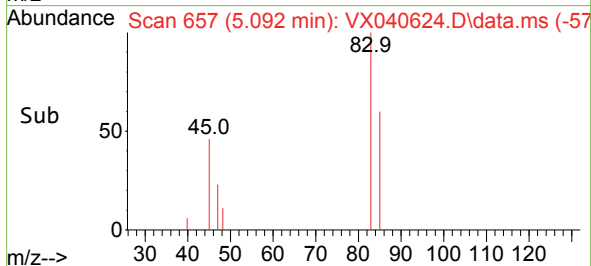
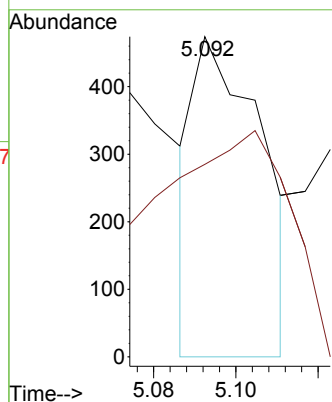
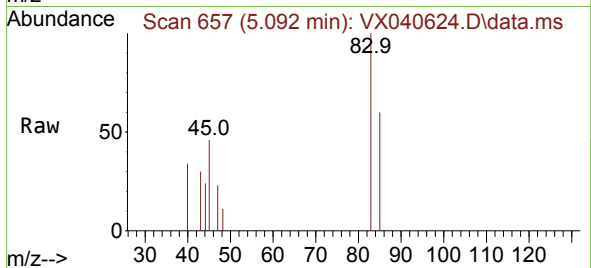




#25
Chloroform
Concen: 0.235 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

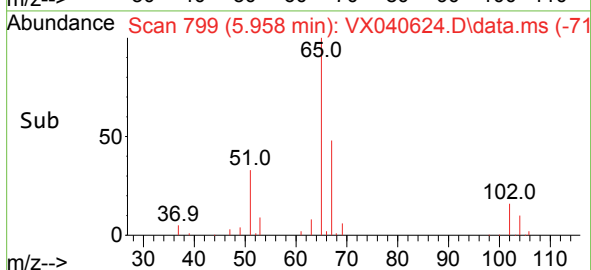
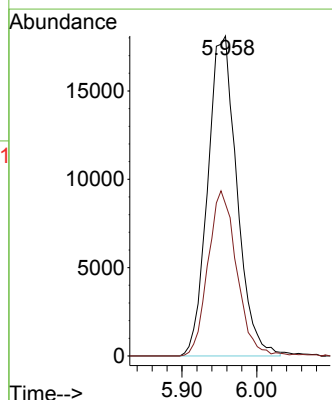
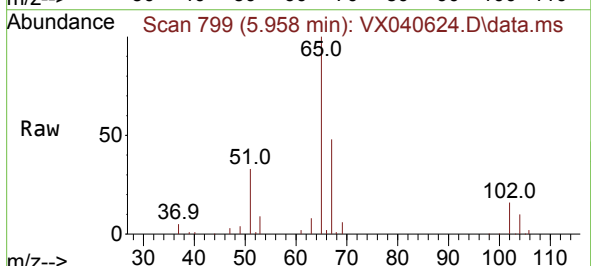
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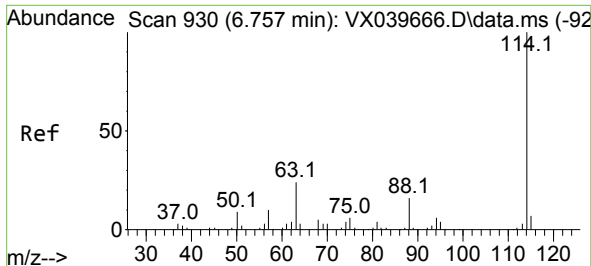
Tgt Ion: 83 Resp: 542
Ion Ratio Lower Upper
83 100
85 8.5 54.6 81.8#



#27
1,2-Dichloroethane-d4
Concen: 29.515 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

Tgt Ion: 65 Resp: 49104
Ion Ratio Lower Upper
65 100
67 50.3 42.5 63.7

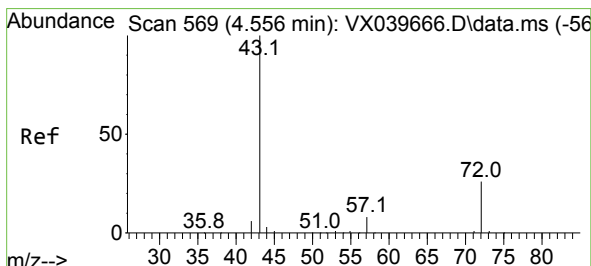
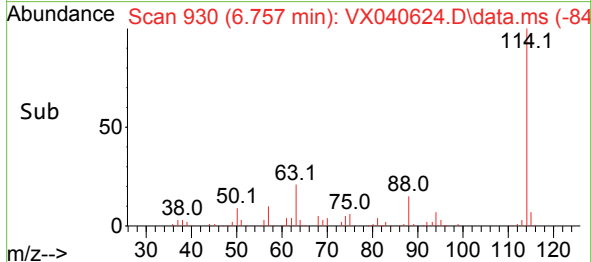
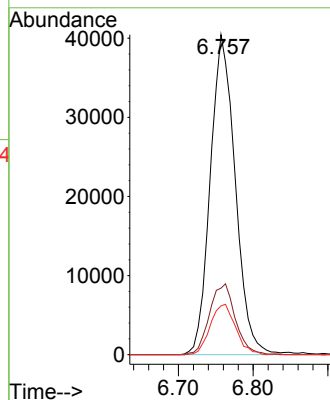
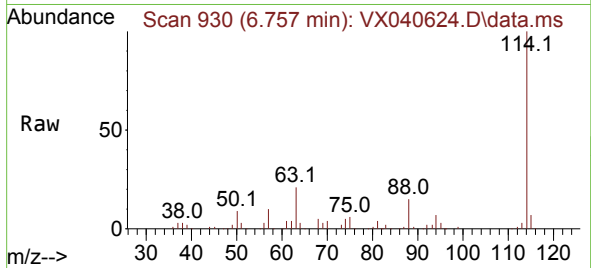




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

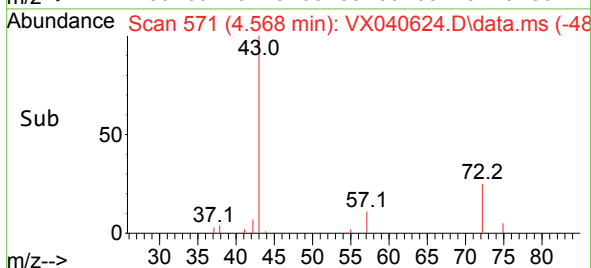
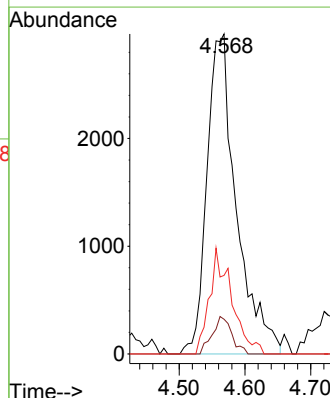
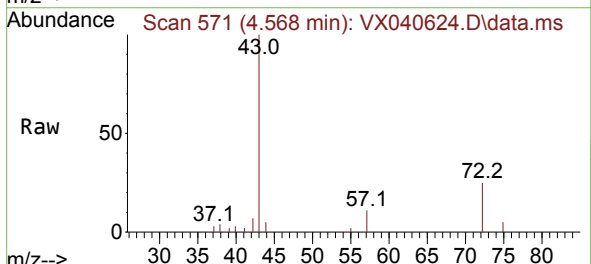
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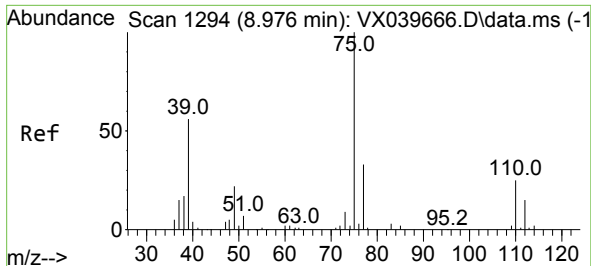
Tgt Ion:114 Resp: 93722
Ion Ratio Lower Upper
114 100
63 22.9 17.0 25.4
88 16.0 12.7 19.1



#30
2-Butanone
Concen: 9.343 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

Tgt Ion: 43 Resp: 9249
Ion Ratio Lower Upper
43 100
57 7.2 6.6 10.0
72 10.1 20.6 31.0#

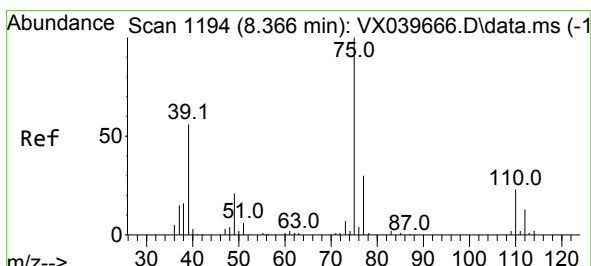
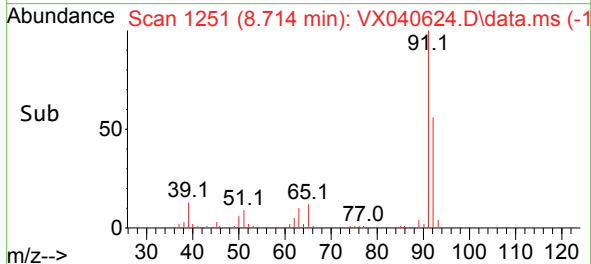
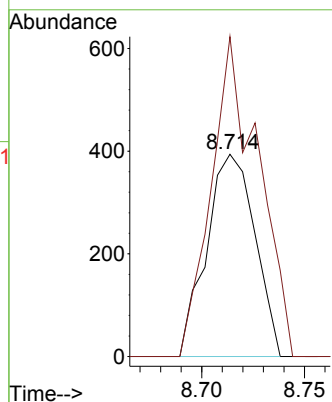
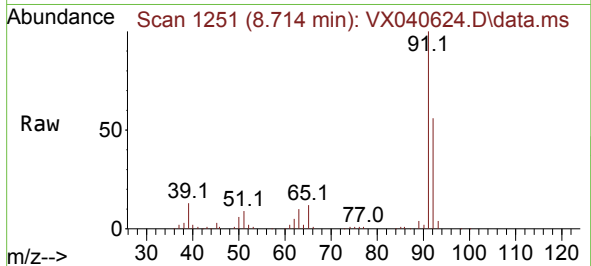




#48
 t-1,3-Dichloropropene
 Concen: 0.350 ug/l
 RT: 8.714 min Scan# 1194
 Delta R.T. -0.262 min
 Lab File: VX040624.D
 Acq: 08 Mar 2024 12:02

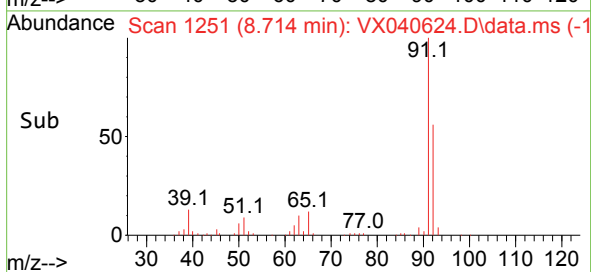
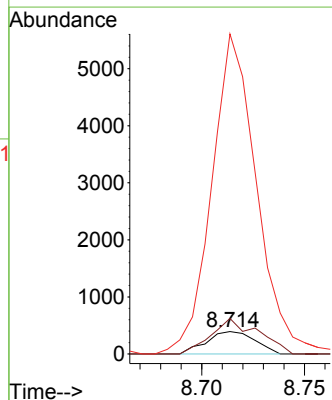
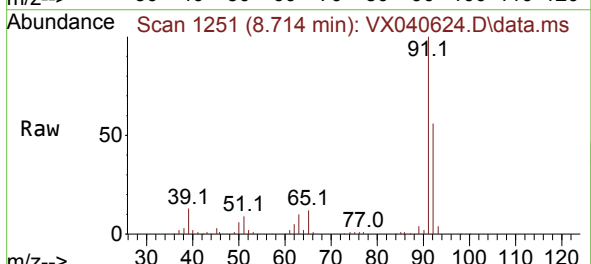
Instrument :
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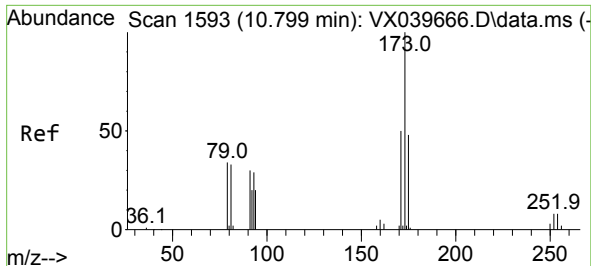
Tgt Ion: 75 Resp: 645
 Ion Ratio Lower Upper
 75 100
 77 158.1 26.8 40.2#



#49
 cis-1,3-Dichloropropene
 Concen: 0.344 ug/l
 RT: 8.714 min Scan# 1251
 Delta R.T. 0.348 min
 Lab File: VX040624.D
 Acq: 08 Mar 2024 12:02

Tgt Ion: 75 Resp: 645
 Ion Ratio Lower Upper
 75 100
 77 158.1 24.4 36.6#
 39 1360.7 40.6 60.8#

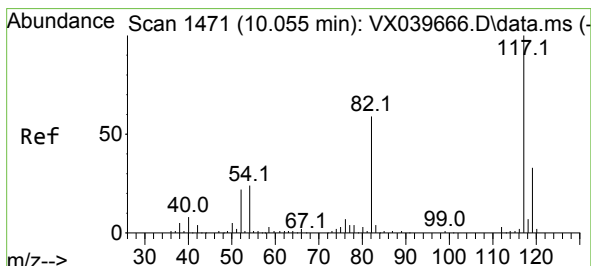
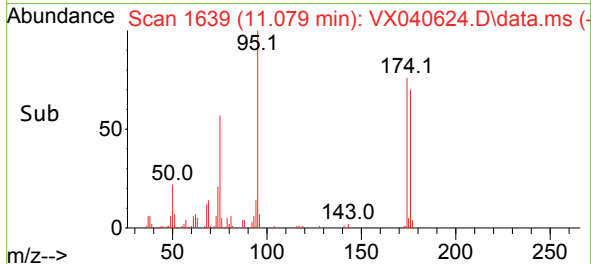
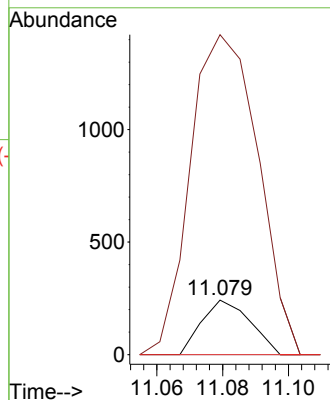
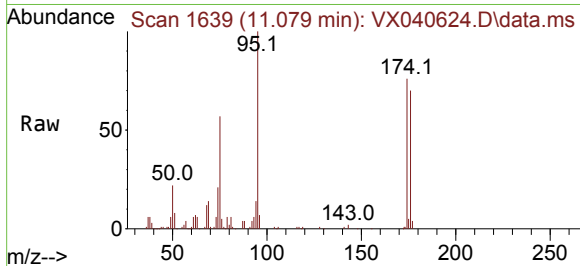




#56
Bromoform
Concen: 0.263 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

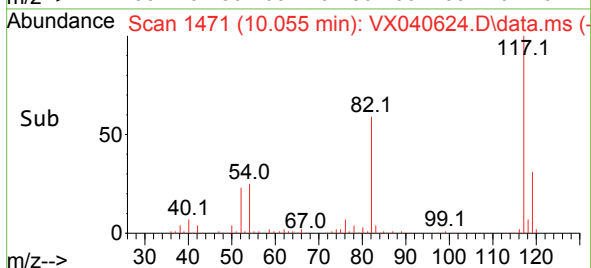
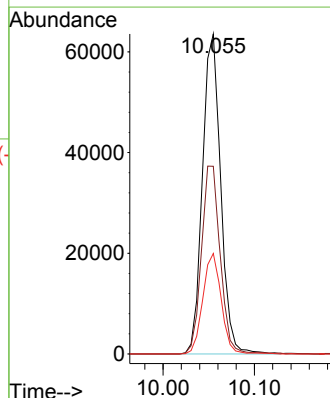
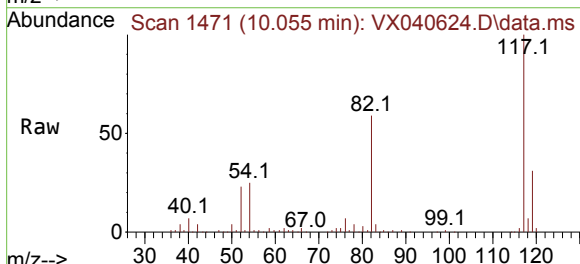
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MARCH)

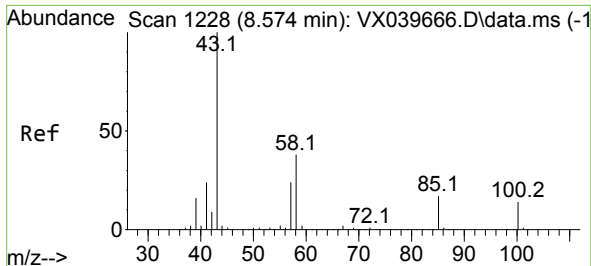
Tgt Ion:173 Resp: 247
Ion Ratio Lower Upper
173 100
175 823.9 37.6 56.4#
254 0.0 5.8 8.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

Tgt Ion:117 Resp: 87993
Ion Ratio Lower Upper
117 100
82 60.0 47.0 70.6
119 31.4 25.2 37.8





#58

4-Methyl-2-Pentanone

Concen: 4.443 ug/l

RT: 8.574 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040624.D

Acq: 08 Mar 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(MARCH)

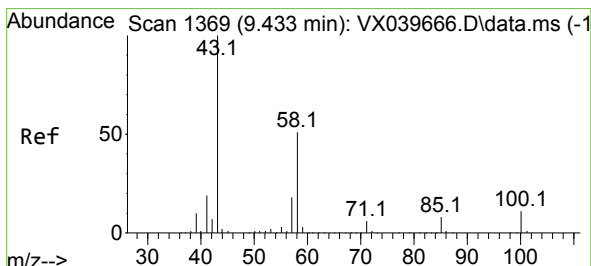
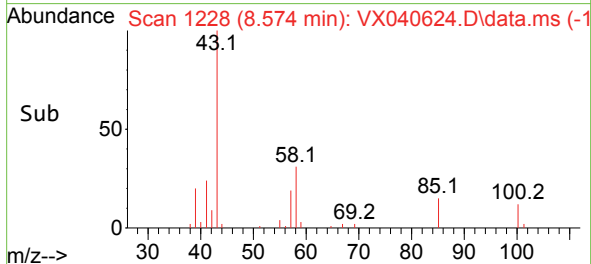
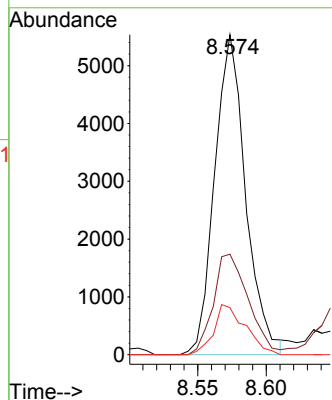
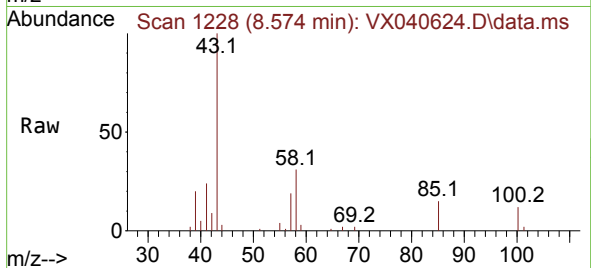
Tgt Ion: 43 Resp: 8706

Ion Ratio Lower Upper

43 100

58 35.6 30.1 45.1

85 15.9 13.9 20.9



#59

2-Hexanone

Concen: 0.820 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX040624.D

Acq: 08 Mar 2024 12:02

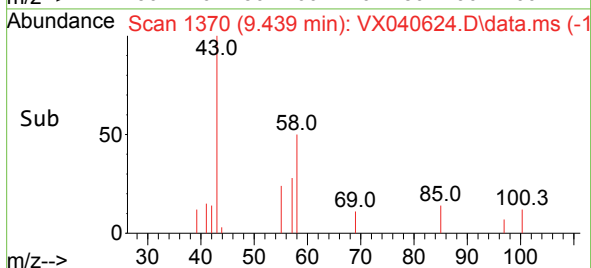
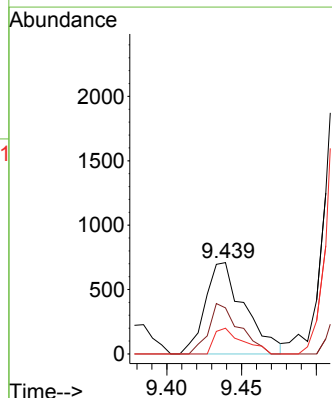
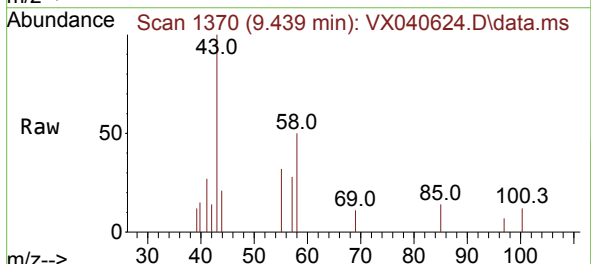
Tgt Ion: 43 Resp: 1298

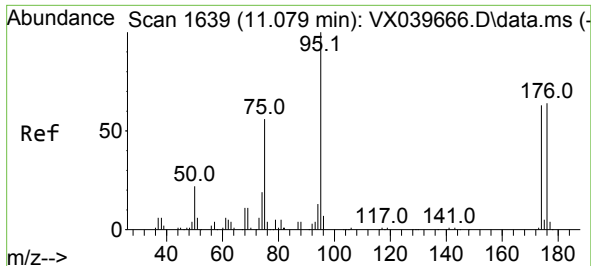
Ion Ratio Lower Upper

43 100

58 43.2 42.7 64.1

57 20.5 14.8 22.2

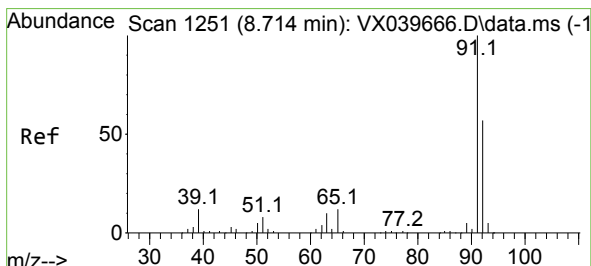
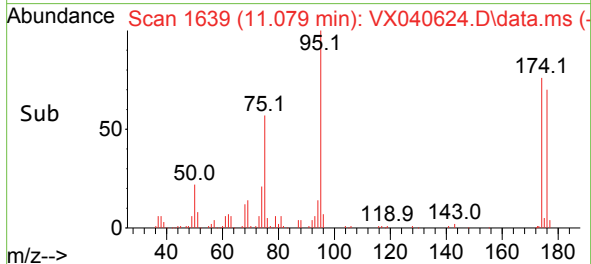
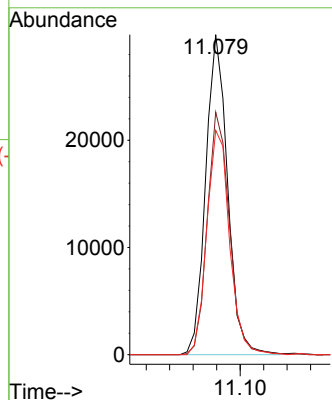
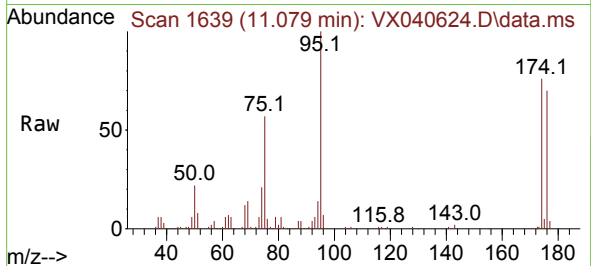




#60
4-Bromofluorobenzene
Concen: 25.591 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

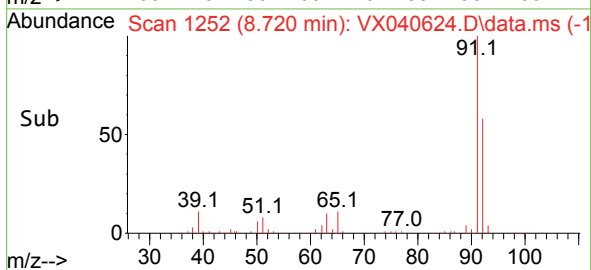
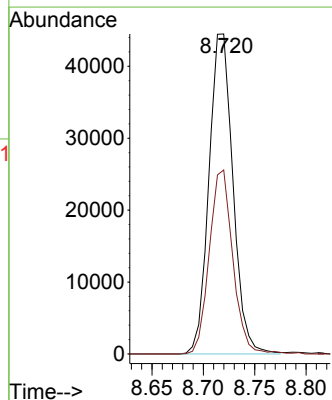
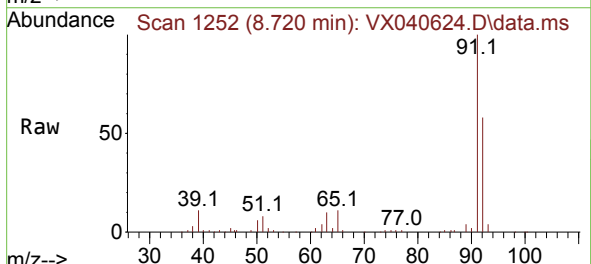
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MARCH)

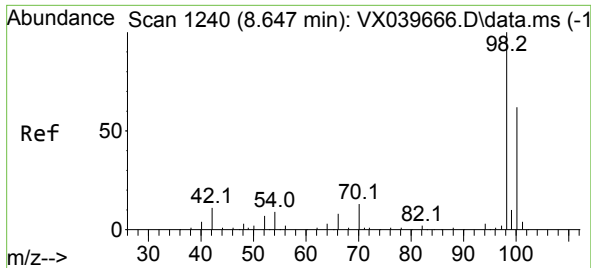
Tgt Ion: 95 Resp: 38626
Ion Ratio Lower Upper
95 100
174 76.6 55.4 83.2
176 72.8 52.6 78.8



#62
Toluene
Concen: 14.906 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

Tgt Ion: 91 Resp: 72240
Ion Ratio Lower Upper
91 100
92 56.0 45.9 68.9

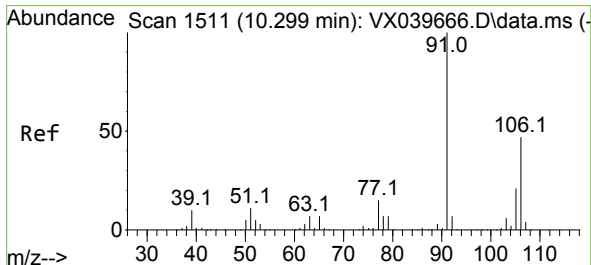
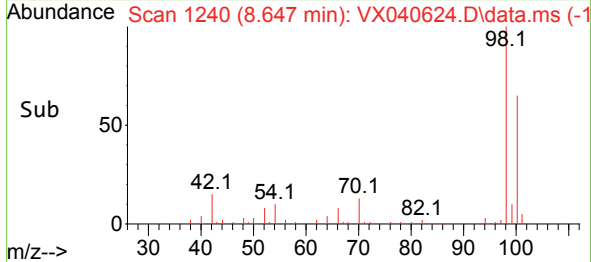
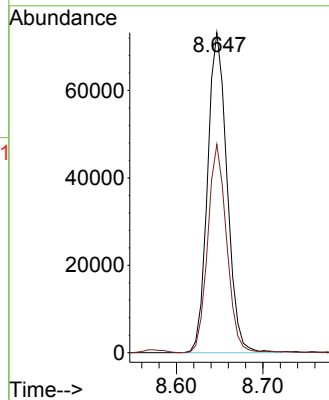
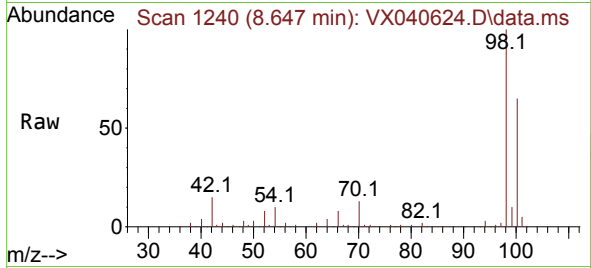




#63
Toluene-d8
Concen: 29.374 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

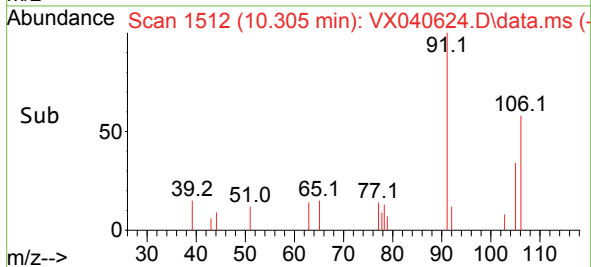
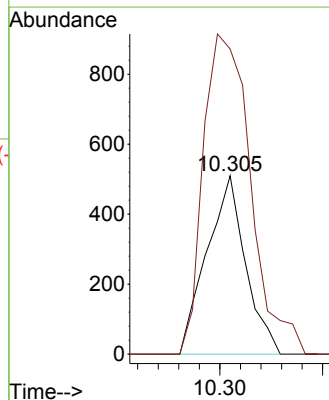
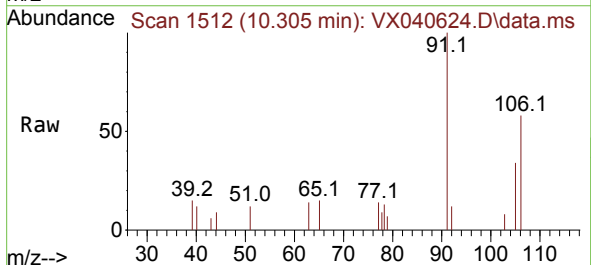
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MARCH)

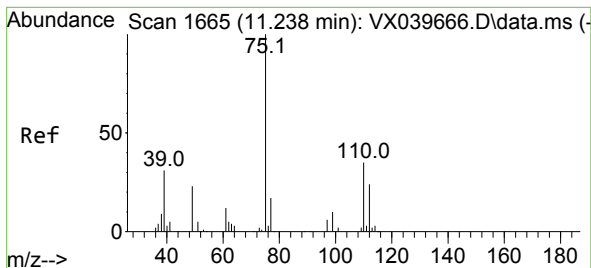
Tgt Ion: 98 Resp: 114226
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.4



#67
m/p-Xylenes
Concen: 0.322 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040624.D
Acq: 08 Mar 2024 12:02

Tgt Ion:106 Resp: 665
Ion Ratio Lower Upper
106 100
91 215.8 169.4 254.0





#72

1,2,3-Trichloropropane

Concen: 13.100 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040624.D

Acq: 08 Mar 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :

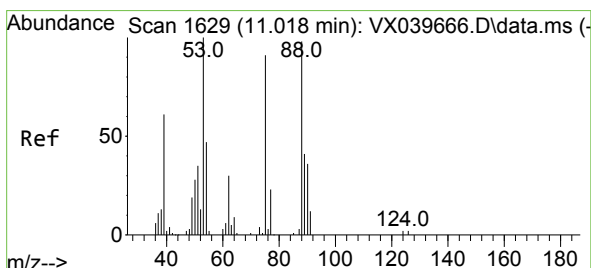
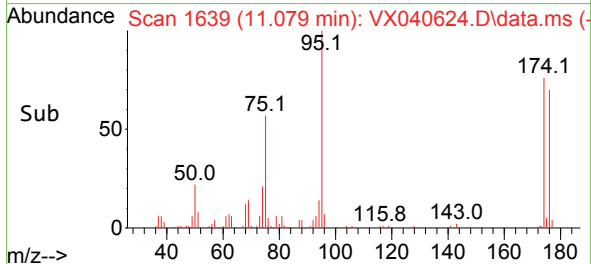
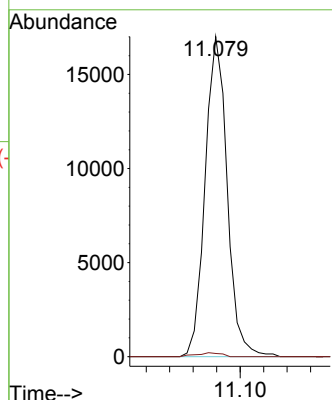
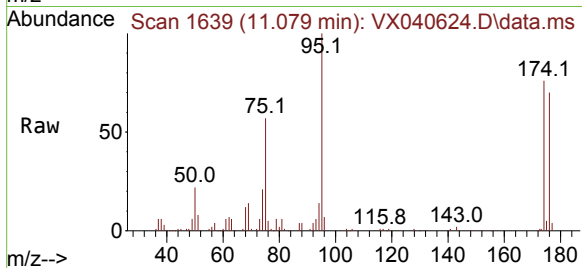
001-WILLETS-PT-BLVD(MARCH)

Tgt Ion: 75 Resp: 22179

Ion Ratio Lower Upper

75 100

77 1.4 0.0 76.4



#77

t-1,4-Dichloro-2-butene

Concen: 42.153 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040624.D

Acq: 08 Mar 2024 12:02

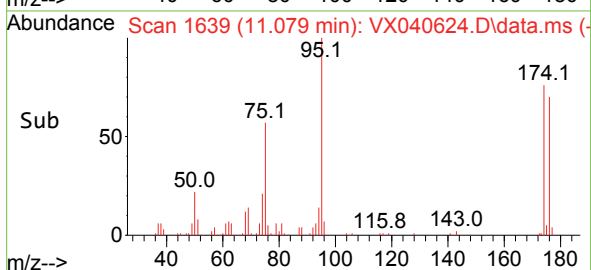
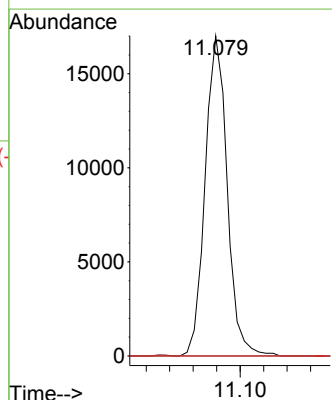
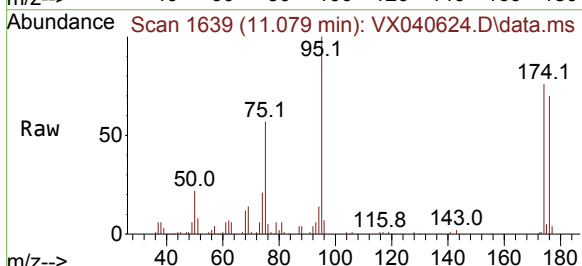
Tgt Ion: 75 Resp: 22179

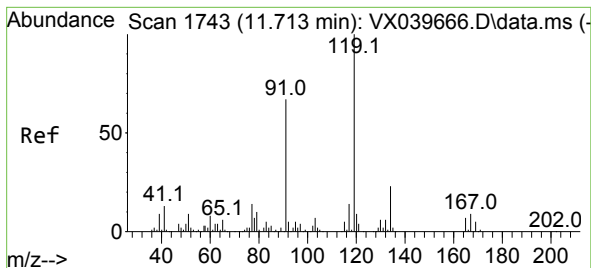
Ion Ratio Lower Upper

75 100

53 0.0 46.9 140.8#

89 0.0 21.3 63.7#





#79

tert-butylbenzene

Concen: 0.754 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.293 min

Lab File: VX040624.D

Acq: 08 Mar 2024 12:02

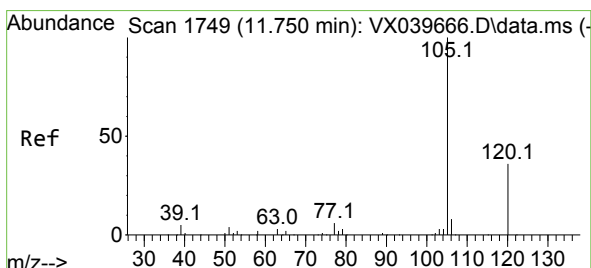
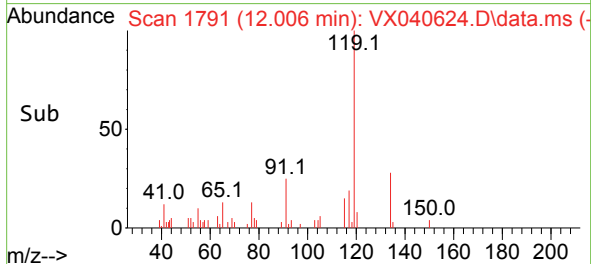
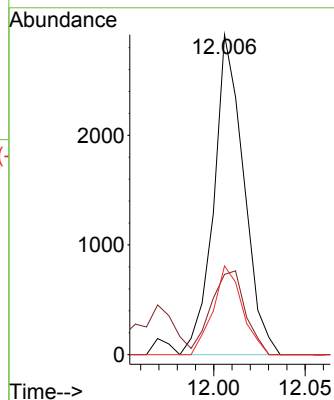
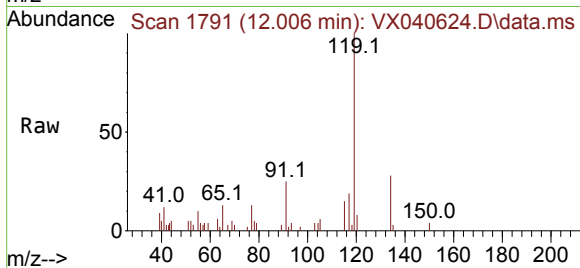
Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(MARCH)

Tgt Ion:119	Resp:	3326
Ion Ratio	Lower	Upper
119	100	
91	29.9	0.0 125.6
134	27.1	0.0 43.8



#80

1,2,4-Trimethylbenzene

Concen: 0.673 ug/l

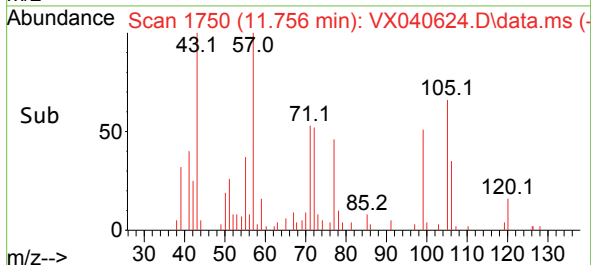
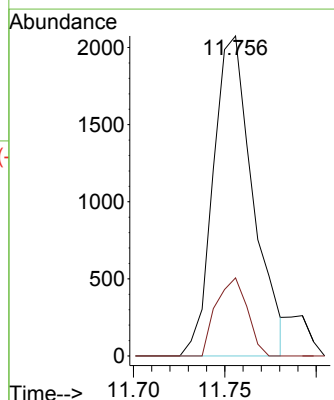
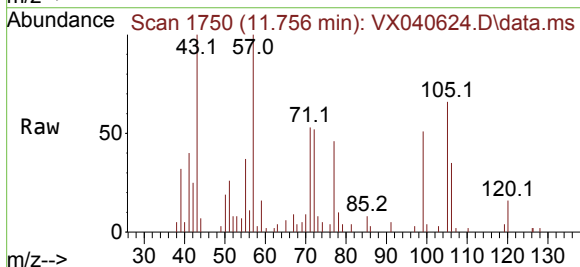
RT: 11.756 min Scan# 1750

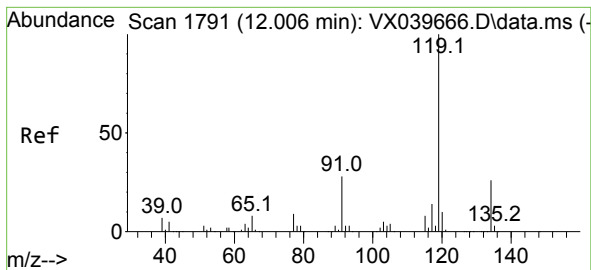
Delta R.T. 0.006 min

Lab File: VX040624.D

Acq: 08 Mar 2024 12:02

Tgt Ion:105	Resp:	3135
Ion Ratio	Lower	Upper
105	100	
120	19.2	0.0 86.4

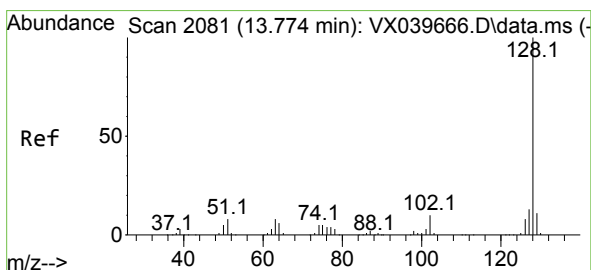
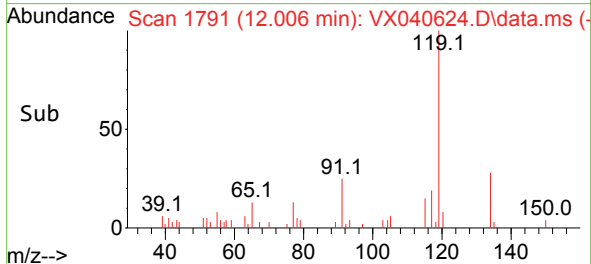
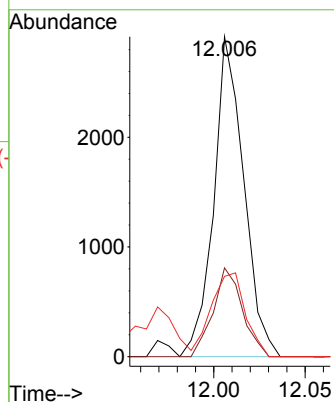
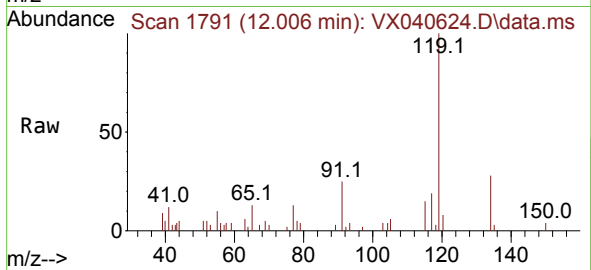




#82
 p-Isopropyltoluene
 Concen: 0.698 ug/l
 RT: 12.006 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VX040624.D
 Acq: 08 Mar 2024 12:02

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

Tgt Ion:	119	Resp:	3326
Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	52.6
91	29.9	0.0	54.2



#91
 Naphthalene
 Concen: 0.285 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VX040624.D
 Acq: 08 Mar 2024 12:02

Tgt Ion:	128	Resp:	1502
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	3.5	8.6	12.8#

