

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036702.D
 Acq On : 28 Jul 2023 13:16
 Operator : JC/MD
 Sample : 03790-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 28 16:17:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

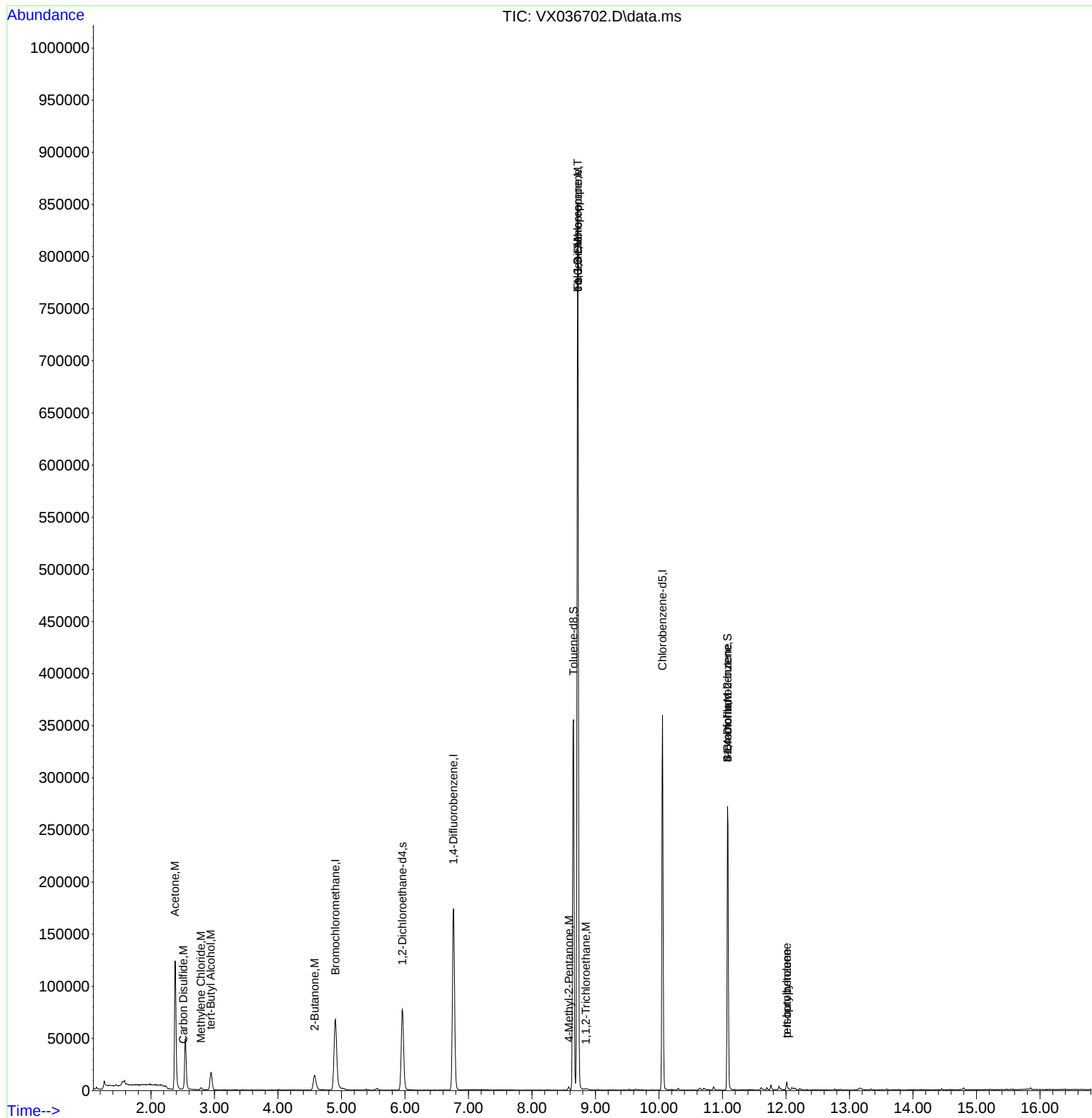
Internal Standards						
1) Bromochloromethane	4.904	128	29802	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	179478	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	158536	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	74066	29.944	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.800%
60) 4-Bromofluorobenzene	11.079	95	75163	29.228	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.433%
63) Toluene-d8	8.653	98	215154	29.493	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.300%
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	42034	129.210	ug/l	96
16) Carbon Disulfide	2.508	76	976	0.231	ug/l #	73
18) Methylene Chloride	2.788	84	1024	0.488	ug/l	93
23) tert-Butyl Alcohol	2.941	59	10118	18.962	ug/l #	1
30) 2-Butanone	4.574	43	9233	5.418	ug/l #	95
48) t-1,3-Dichloropropene	8.720	75	3518	1.079	ug/l #	1
49) cis-1,3-Dichloropropene	8.720	75	3518	0.999	ug/l #	1
50) 1,1,2-Trichloroethane	8.848	97	515	0.232	ug/l #	14
56) Bromoform	11.079	173	440	0.282	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	1998	0.609	ug/l	97
62) Toluene	8.720	91	532364	59.849	ug/l	97
77) t-1,4-Dichloro-2-butene	11.079	75	39170	37.858	ug/l #	7
79) tert-butylbenzene	12.012	119	3283	0.432	ug/l	65
82) p-Isopropyltoluene	12.012	119	3283	0.413	ug/l	96

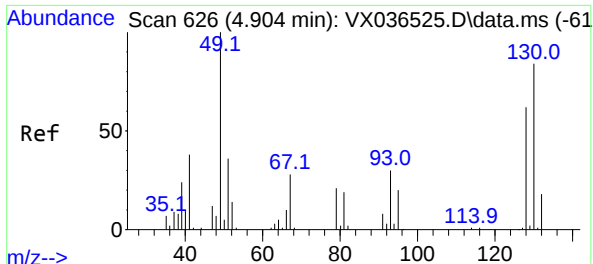
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
Data File : VX036702.D
Acq On : 28 Jul 2023 13:16
Operator : JC/MD
Sample : 03790-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 28 16:17:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration

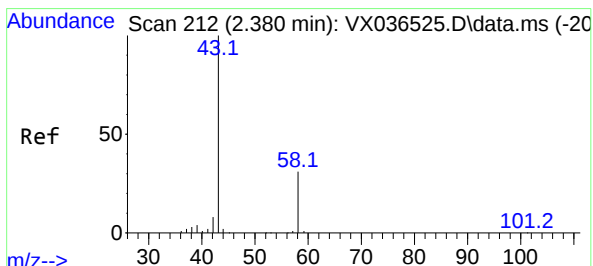
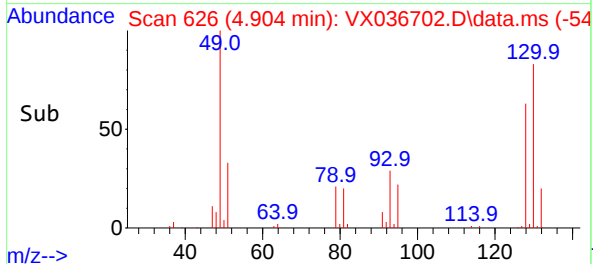
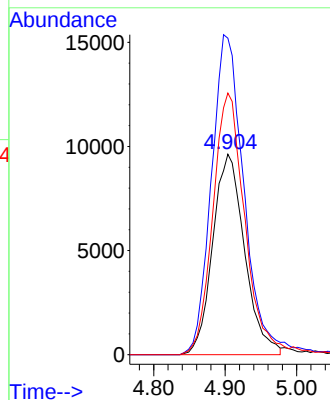
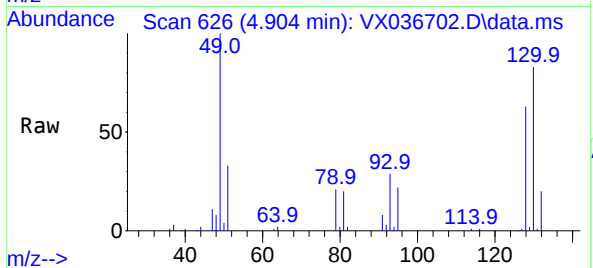




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

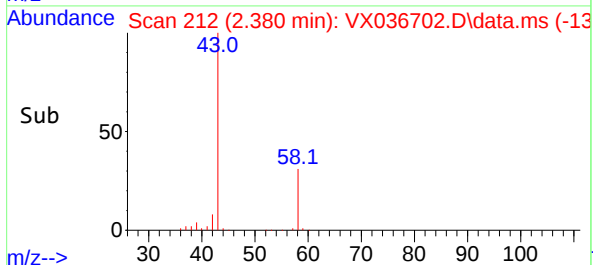
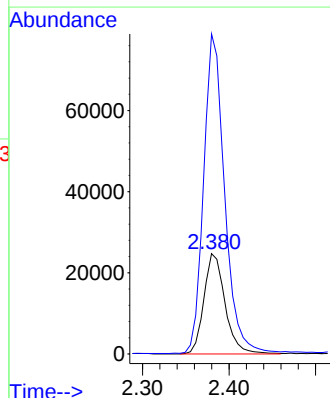
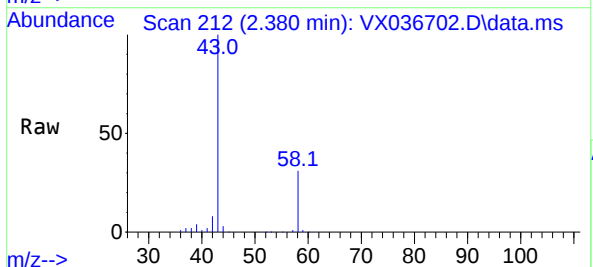
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

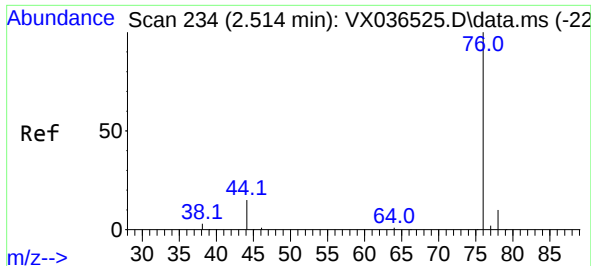
Tgt Ion:128 Resp: 29802
Ion Ratio Lower Upper
128 100
49 163.9 0.0 406.3
130 130.2 0.0 328.0



#15
Acetone
Concen: 129.210 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

Tgt Ion: 58 Resp: 42034
Ion Ratio Lower Upper
58 100
43 318.5 261.0 391.4

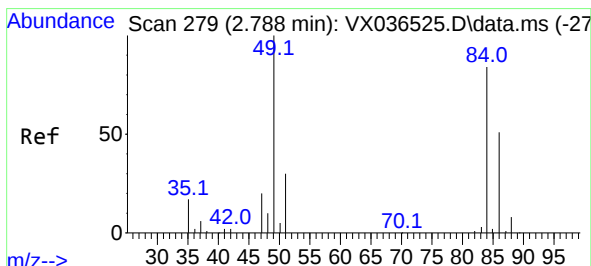
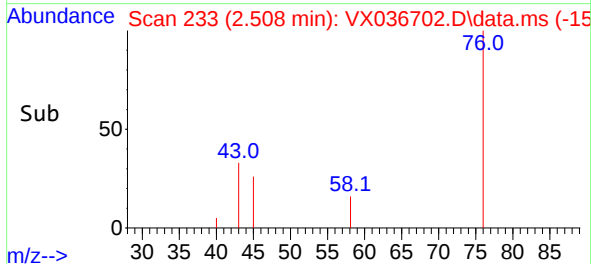
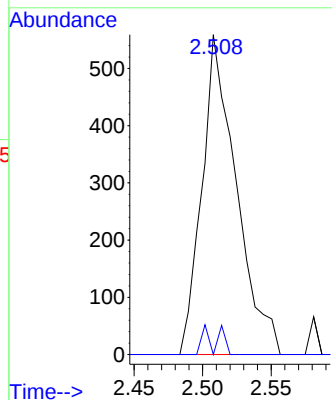
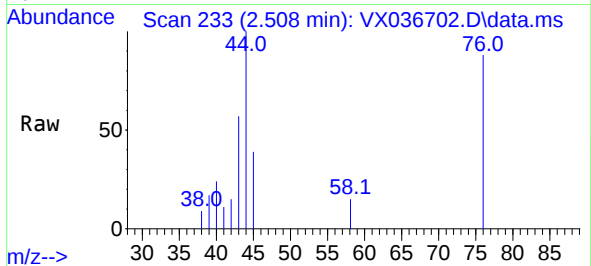




#16
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

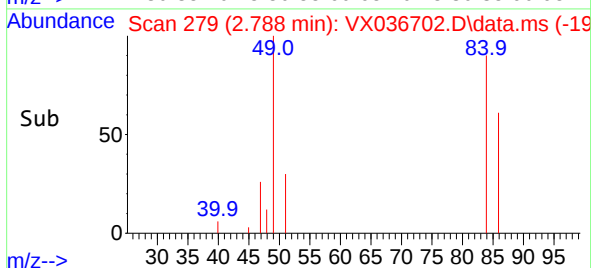
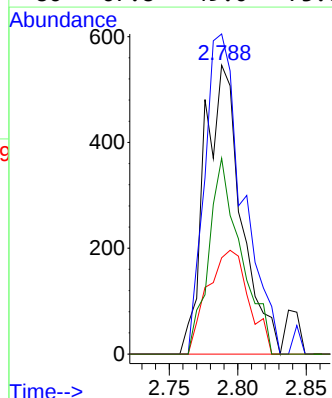
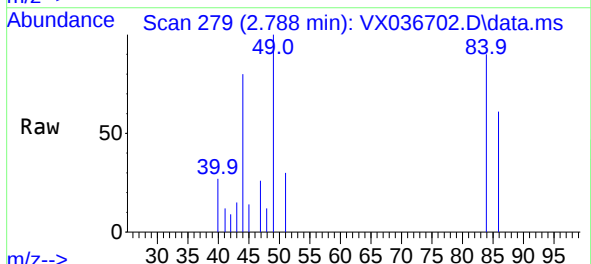
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

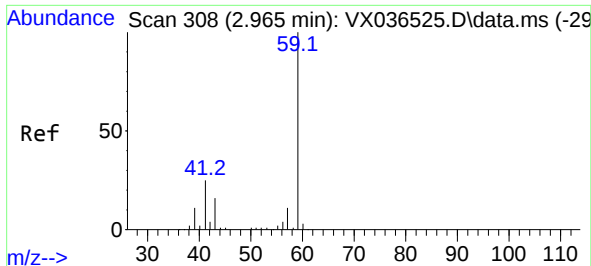
Tgt Ion: 76 Resp: 976
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



#18
Methylene Chloride
Concen: 0.488 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

Tgt Ion: 84 Resp: 1024
Ion Ratio Lower Upper
84 100
49 110.8 95.4 143.0
51 33.3 28.3 42.5
86 67.8 49.0 73.6

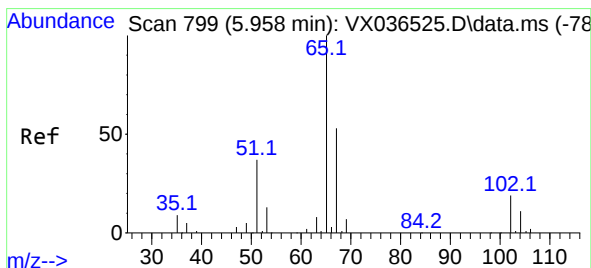
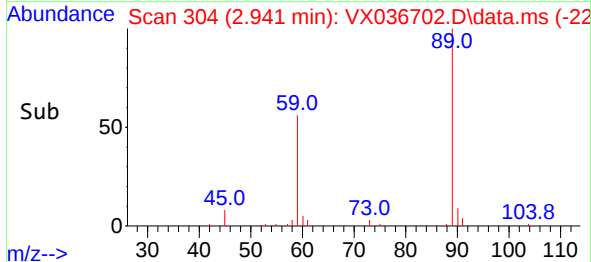
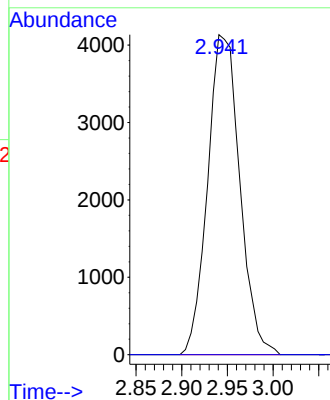
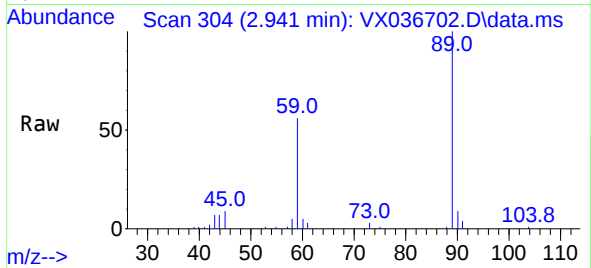




#23
tert-Butyl Alcohol
Concen: 18.962 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

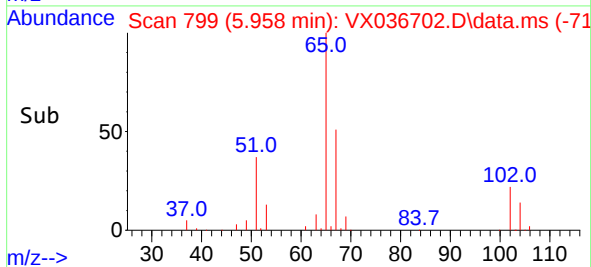
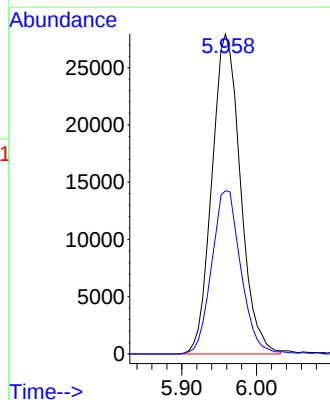
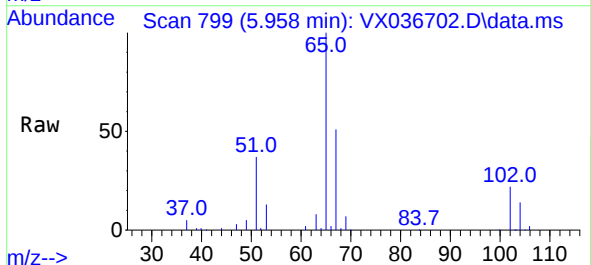
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

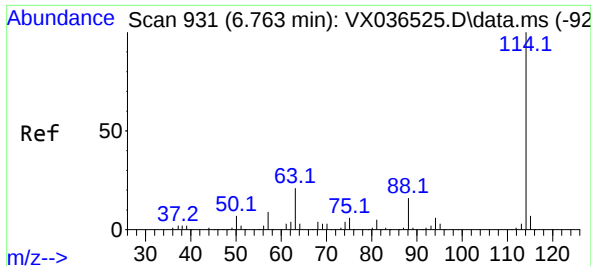
Tgt Ion: 59 Resp: 10118
Ion Ratio Lower Upper
59 100
52 0.0 142.6 213.8#



#27
1,2-Dichloroethane-d4
Concen: 29.944 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

Tgt Ion: 65 Resp: 74066
Ion Ratio Lower Upper
65 100
67 52.0 42.1 63.1

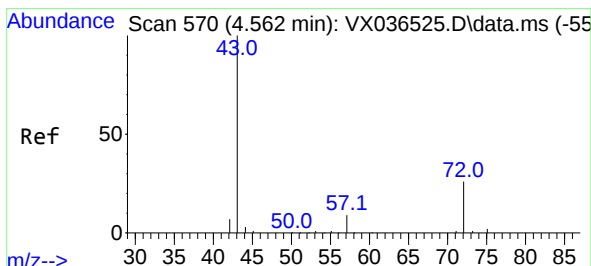
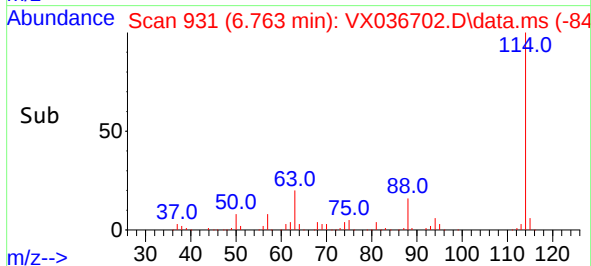
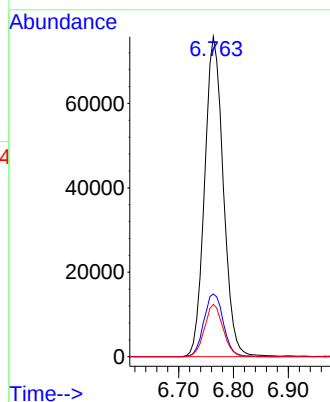
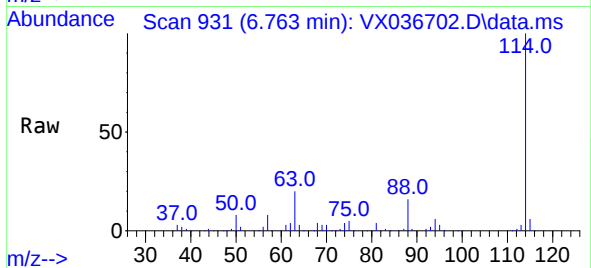




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX036702.D
 Acq: 28 Jul 2023 13:16

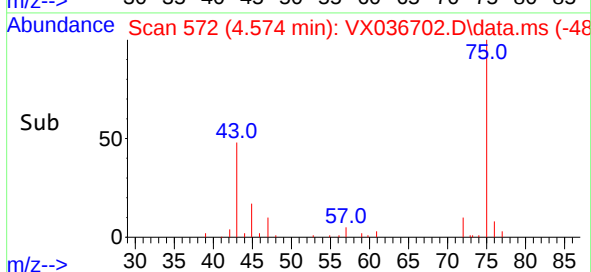
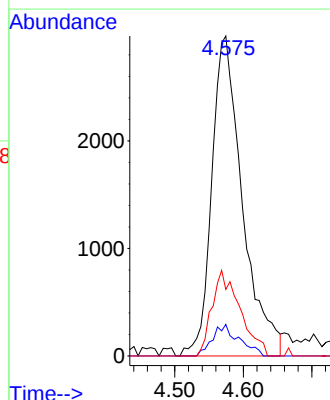
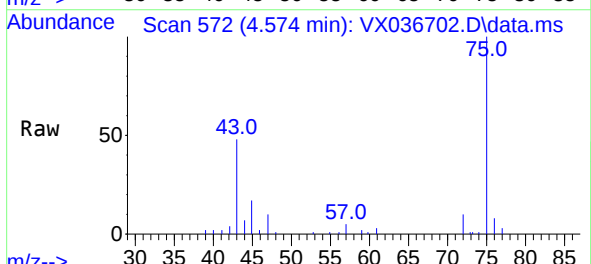
Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)DL

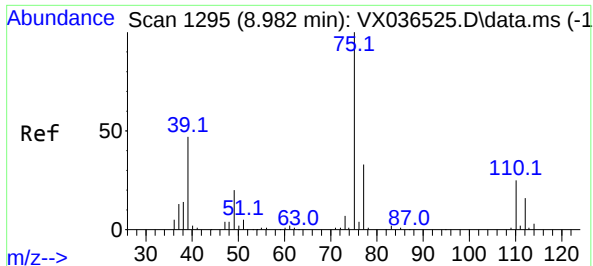
Tgt Ion:114 Resp: 179478
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.6 24.8
 88 16.2 12.9 19.3



#30
 2-Butanone
 Concen: 5.418 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.012 min
 Lab File: VX036702.D
 Acq: 28 Jul 2023 13:16

Tgt Ion: 43 Resp: 9233
 Ion Ratio Lower Upper
 43 100
 57 6.1 6.4 9.6#
 72 24.5 21.6 32.4





#48

t-1,3-Dichloropropene

Concen: 1.079 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX036702.D

Acq: 28 Jul 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

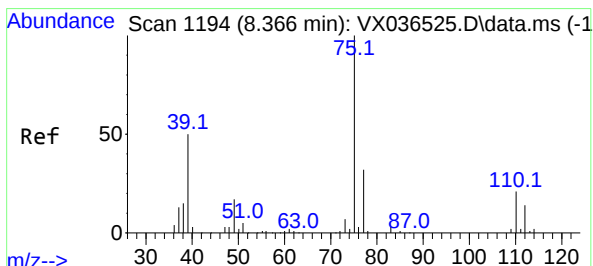
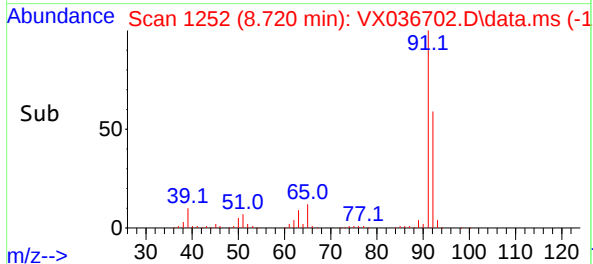
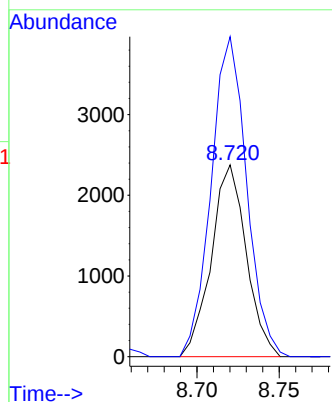
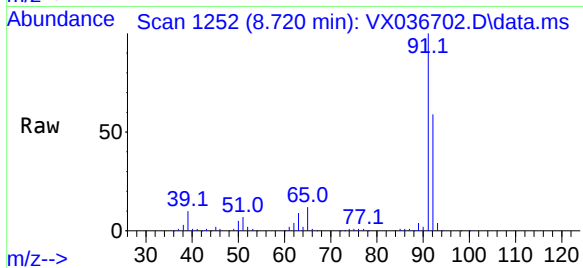
001-WILLETS-PT-BLVD(JUNE)DL

Tgt Ion: 75 Resp: 3518

Ion Ratio Lower Upper

75 100

77 166.8 26.8 40.2#



#49

cis-1,3-Dichloropropene

Concen: 0.999 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.354 min

Lab File: VX036702.D

Acq: 28 Jul 2023 13:16

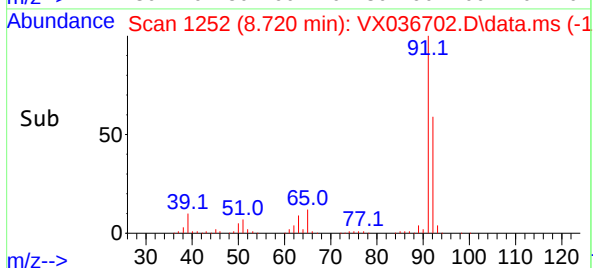
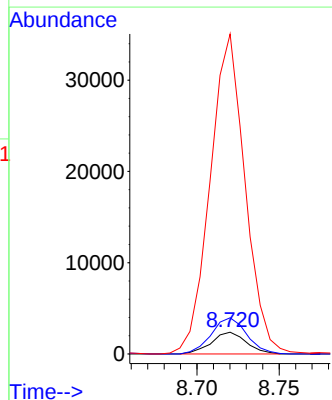
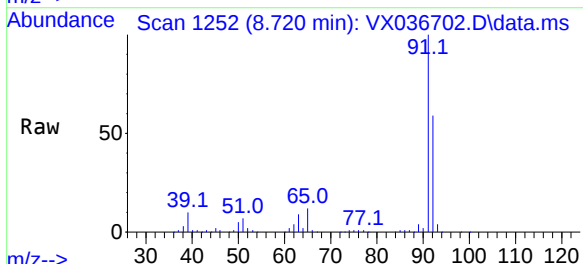
Tgt Ion: 75 Resp: 3518

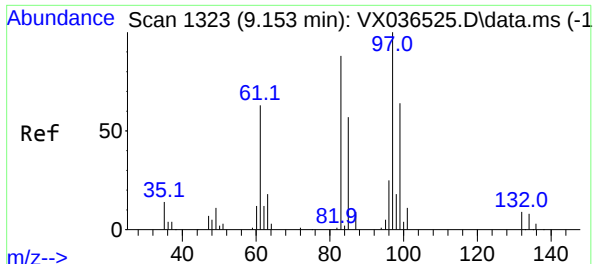
Ion Ratio Lower Upper

75 100

77 166.8 25.4 38.2#

39 1449.0 40.2 60.4#

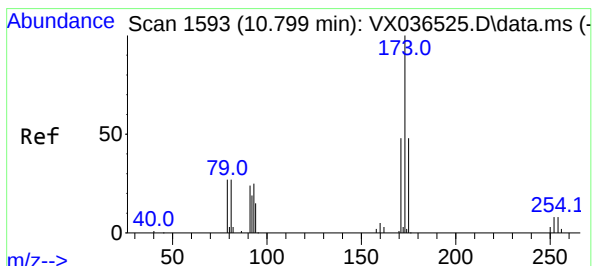
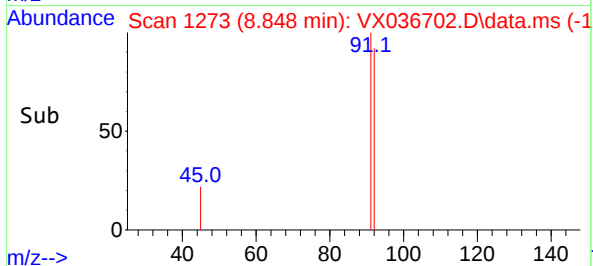
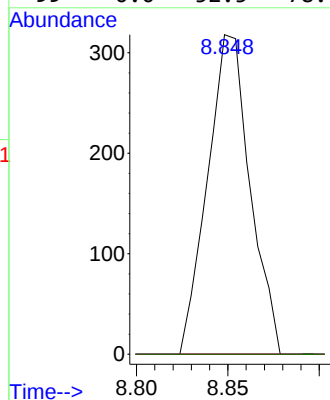
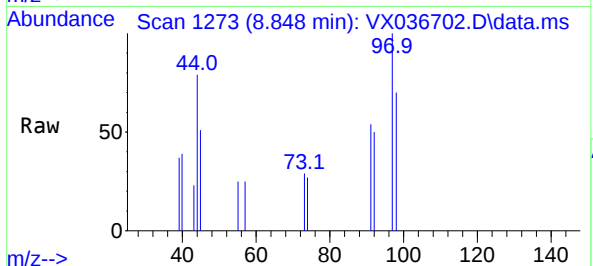




#50
1,1,2-Trichloroethane
Concen: 0.232 ug/l
RT: 8.848 min Scan# 1639
Delta R.T. -0.305 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

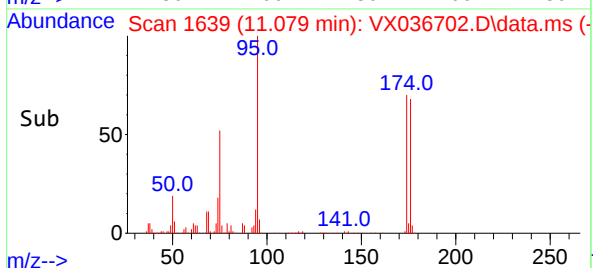
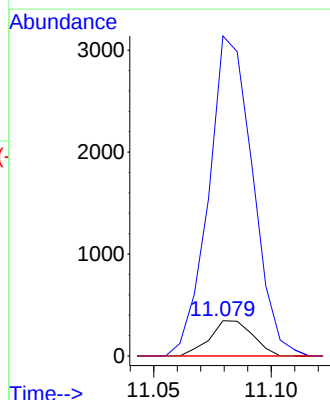
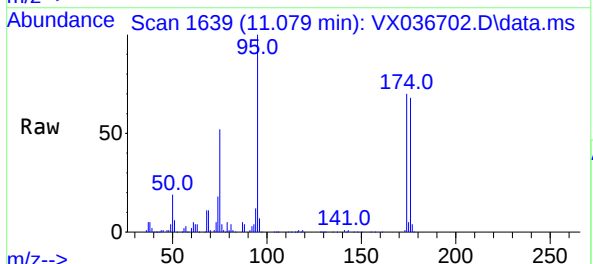
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)DL

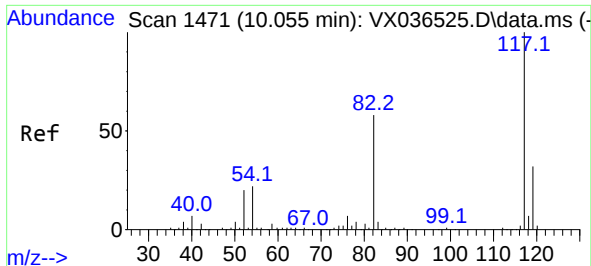
Tgt Ion: 97	Resp: 515
Ion Ratio	Lower Upper
97 100	
83 0.0	70.0 105.0#
85 0.0	46.1 69.1#
99 0.0	52.5 78.7#



#56
Bromoform
Concen: 0.282 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

Tgt Ion:173	Resp:	440	
Ion	Ratio	Lower	Upper
173	100		
175	930.9	38.1	57.1#
254	0.0	6.7	10.1#

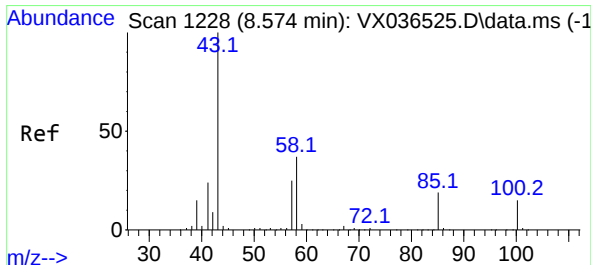
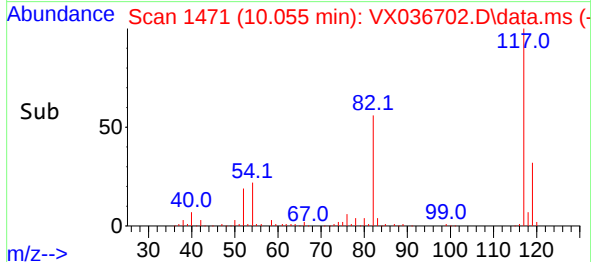
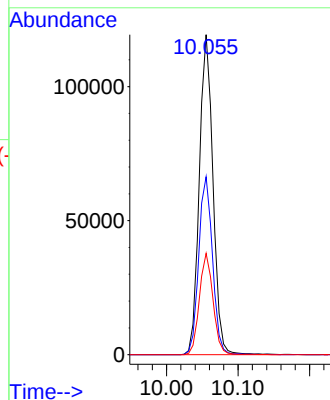
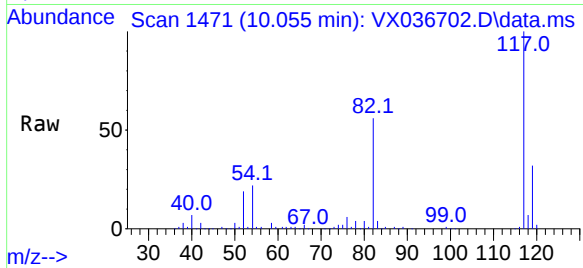




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

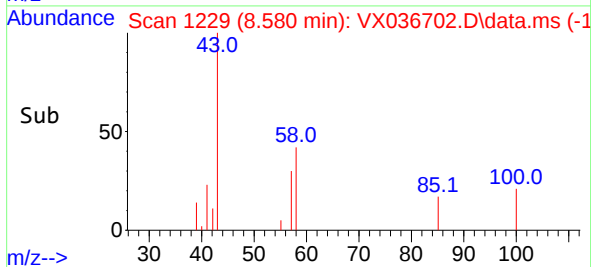
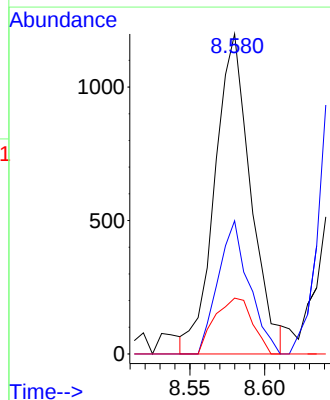
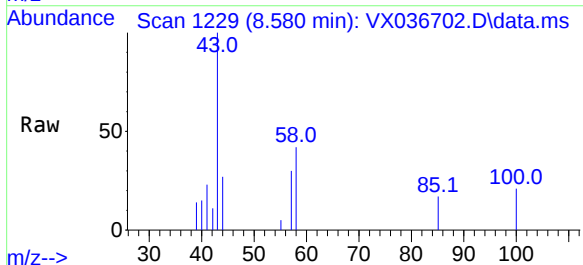
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)DL

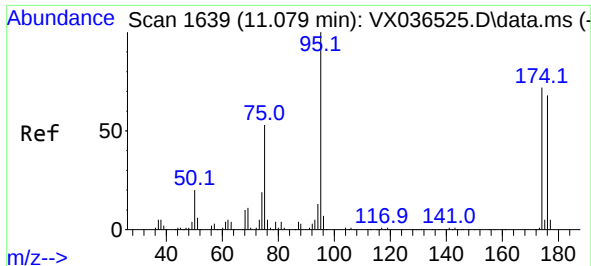
Tgt Ion:117 Resp: 158536
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 31.5 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 0.609 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
58 36.1 30.9 46.3
85 18.3 14.4 21.6

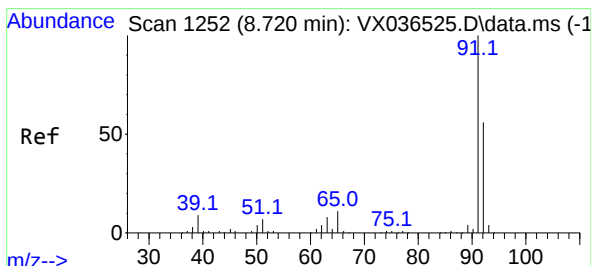
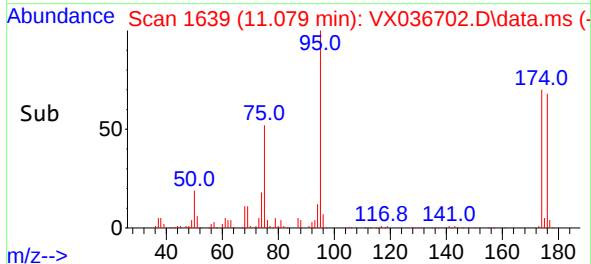
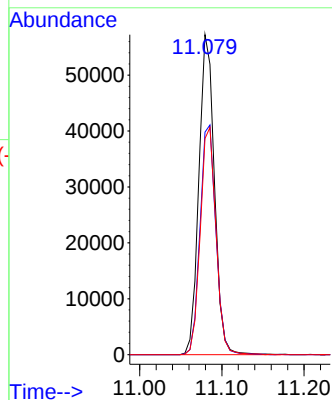
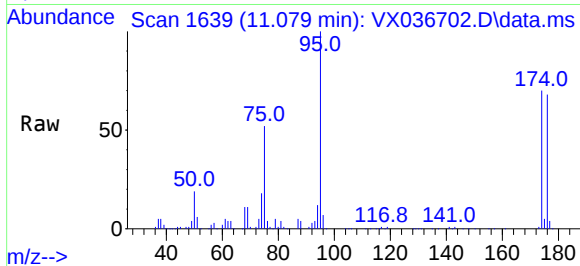




#60
4-Bromofluorobenzene
Concen: 29.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

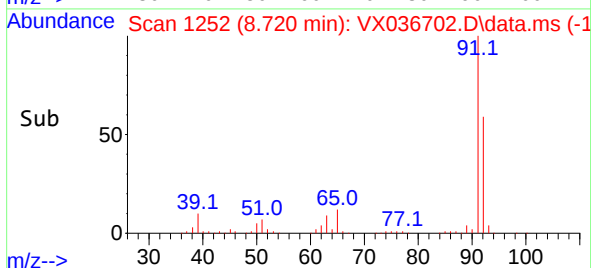
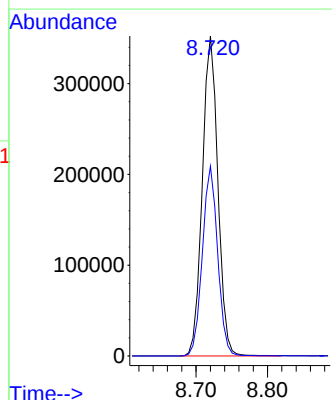
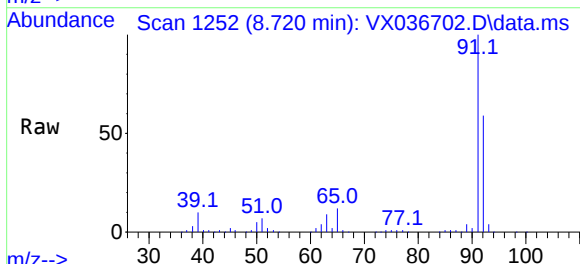
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)DL

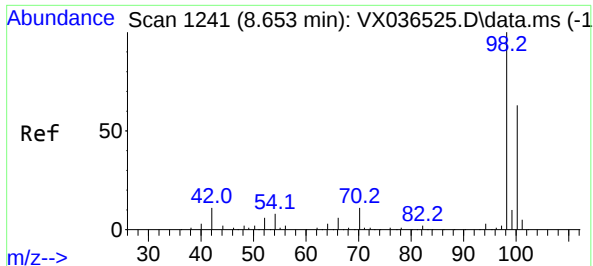
Tgt Ion: 95 Resp: 75163
Ion Ratio Lower Upper
95 100
174 73.3 60.5 90.7
176 71.6 58.2 87.4



#62
Toluene
Concen: 59.849 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

Tgt Ion: 91 Resp: 532364
Ion Ratio Lower Upper
91 100
92 58.3 44.9 67.3

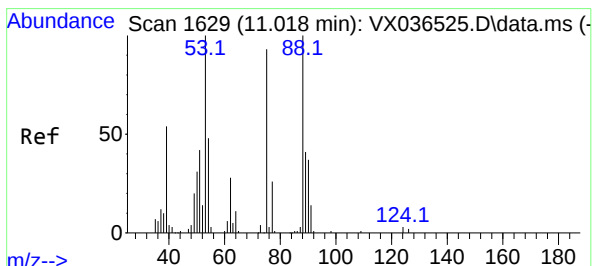
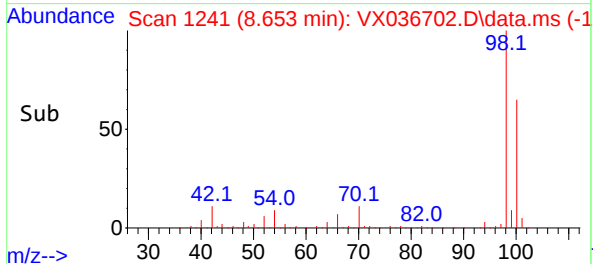
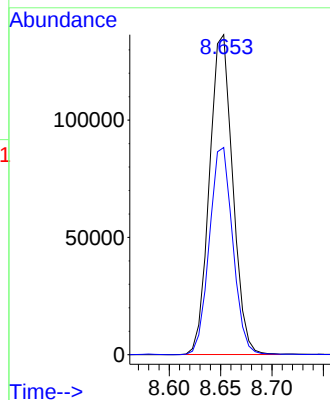
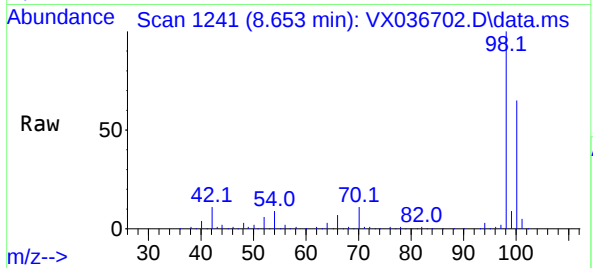




#63
Toluene-d8
Concen: 29.493 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

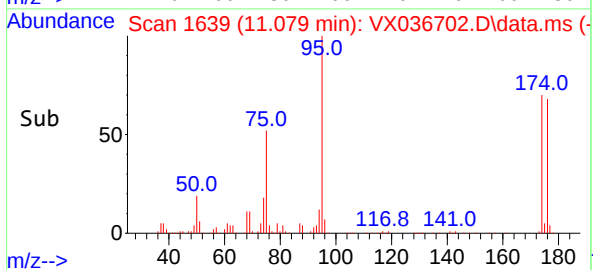
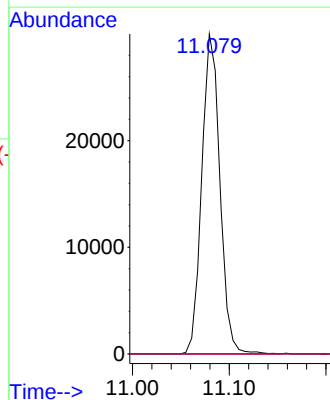
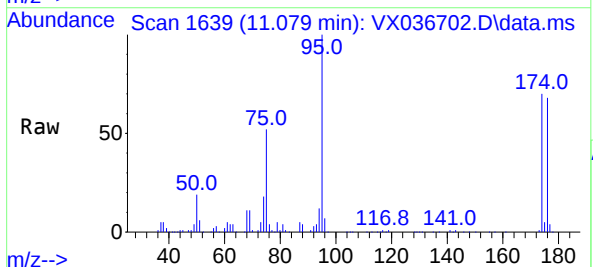
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

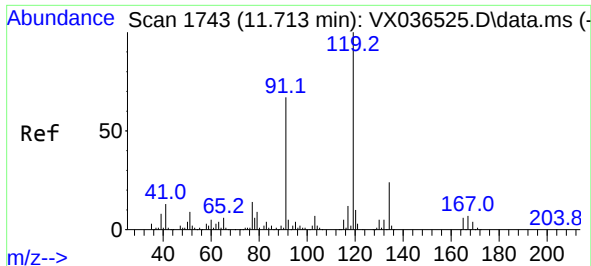
Tgt Ion: 98 Resp: 215154
Ion Ratio Lower Upper
98 100
100 65.2 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 37.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

Tgt Ion: 75 Resp: 39170
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#

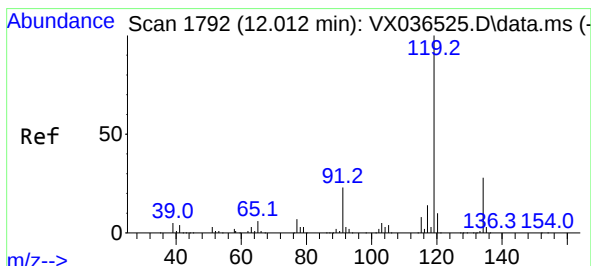
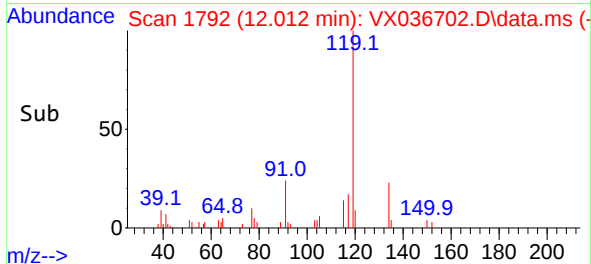
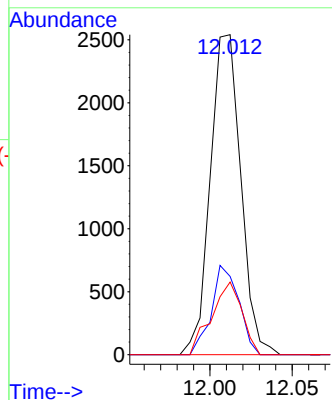
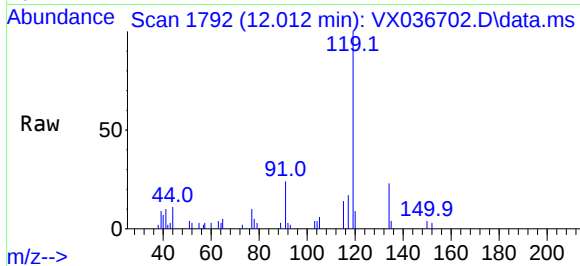




#79
tert-butylbenzene
Concen: 0.432 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.299 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

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

Tgt Ion:	119	Resp:	3283
Ion	Ratio	Lower	Upper
119	100		
91	25.0	0.0	124.4
134	22.7	0.0	47.2



#82
p-Isopropyltoluene
Concen: 0.413 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX036702.D
Acq: 28 Jul 2023 13:16

Tgt Ion:	119	Resp:	3283
Ion	Ratio	Lower	Upper
119	100		
134	22.7	0.0	53.2
91	25.0	0.0	49.4

