

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
 Data File : VX036554.D
 Acq On : 14 Jul 2023 11:24
 Operator : JC/MD
 Sample : 03593-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 17 01:28:16 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)

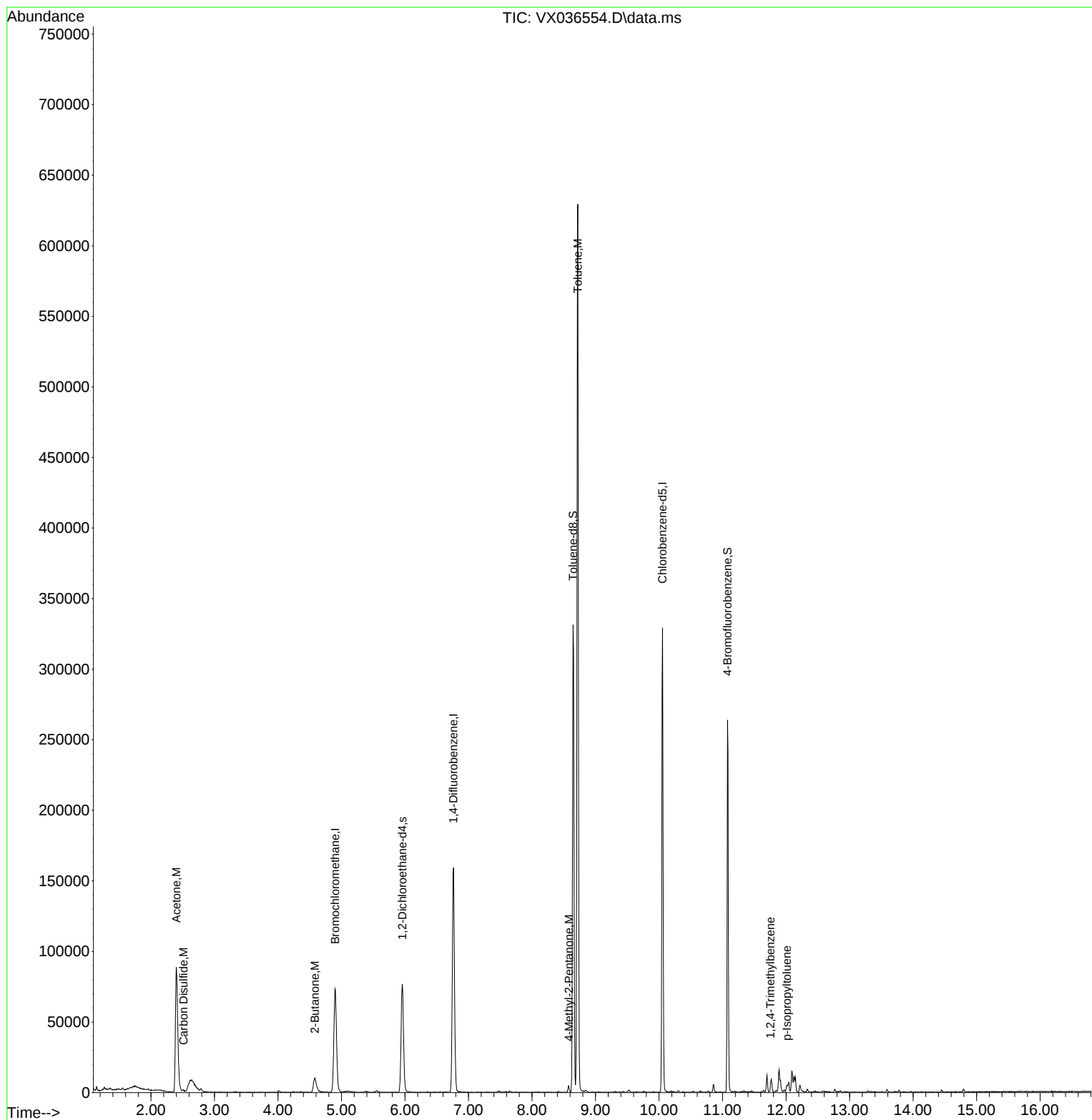
Internal Standards						
1) Bromochloromethane	4.897	128	29235	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	158389	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146157	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	73714	30.380	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.267%
60) 4-Bromofluorobenzene	11.079	95	68117	28.731	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.767%
63) Toluene-d8	8.646	98	199477	29.659	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.867%
Target Compounds						
					Qvalue	
15) Acetone	2.398	58	43156	135.232	ug/l	100
16) Carbon Disulfide	2.513	76	1399	0.337	ug/l	99
30) 2-Butanone	4.580	43	13550	9.010	ug/l #	80
58) 4-Methyl-2-Pentanone	8.579	43	2860	0.946	ug/l #	88
62) Toluene	8.720	91	399662	48.736	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	1507	0.206	ug/l	50
82) p-Isopropyltoluene	12.012	119	1961	0.267	ug/l	98

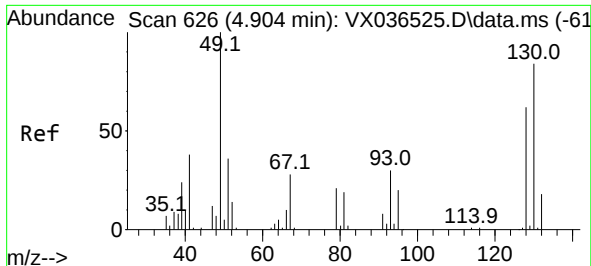
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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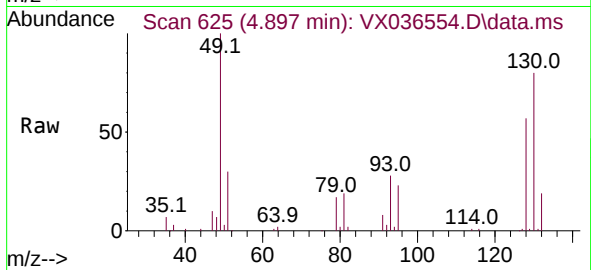
Quant Time: Jul 17 01:28:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
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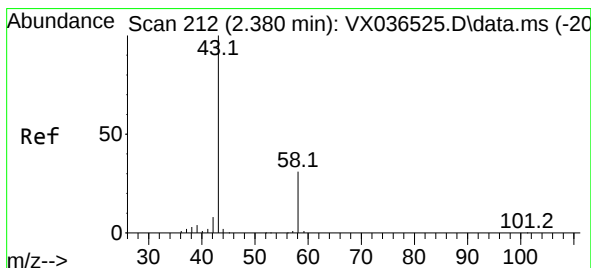
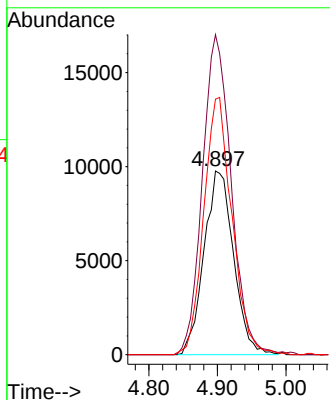
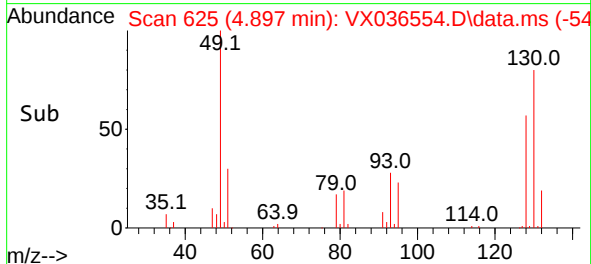


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX036554.D
Acq: 14 Jul 2023 11:24

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

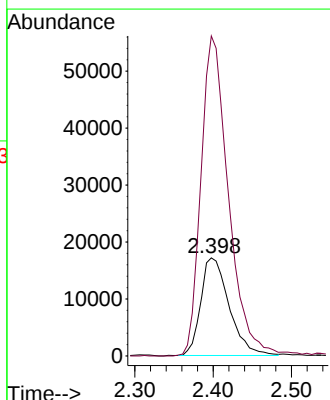
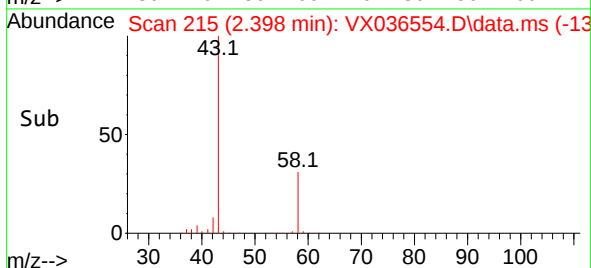
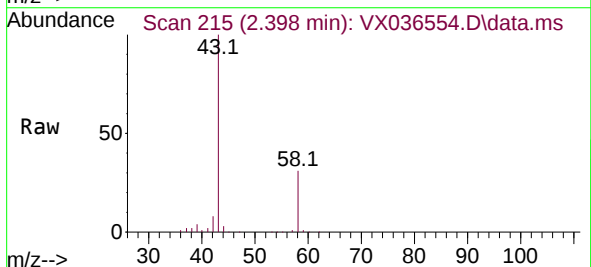


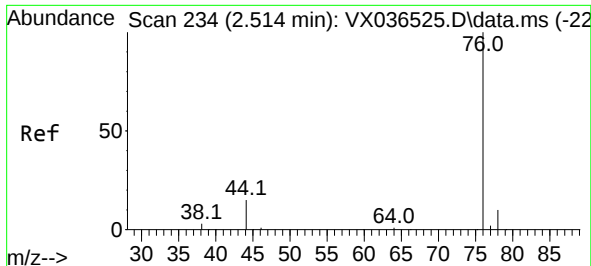
Tgt Ion:128 Resp: 29235
Ion Ratio Lower Upper
128 100
49 170.0 0.0 406.3
130 134.0 0.0 328.0



#15
Acetone
Concen: 135.232 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.018 min
Lab File: VX036554.D
Acq: 14 Jul 2023 11:24

Tgt Ion: 58 Resp: 43156
Ion Ratio Lower Upper
58 100
43 326.7 261.0 391.4

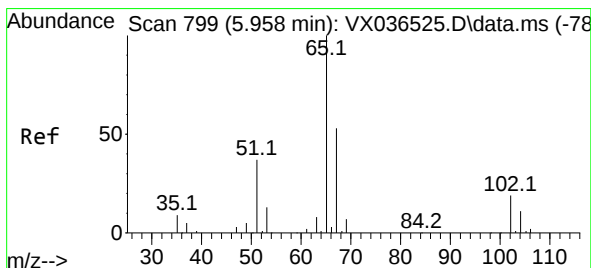
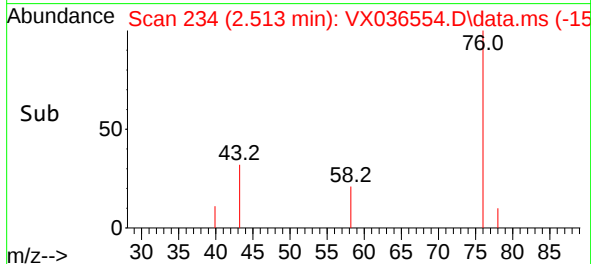
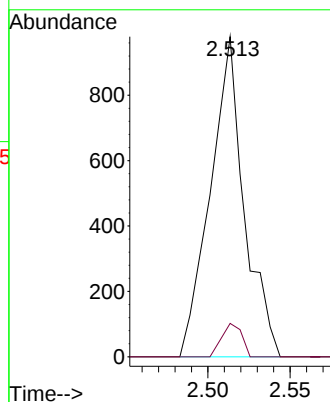
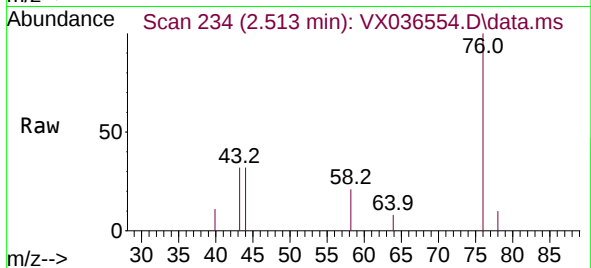




#16
Carbon Disulfide
Concen: 0.337 ug/l
RT: 2.513 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036554.D
Acq: 14 Jul 2023 11:24

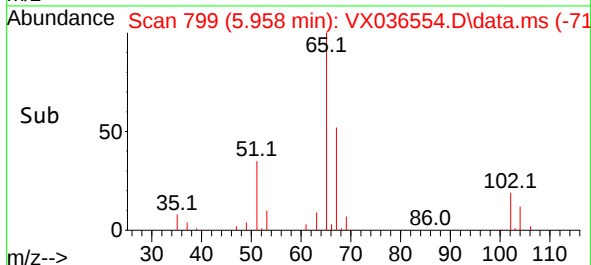
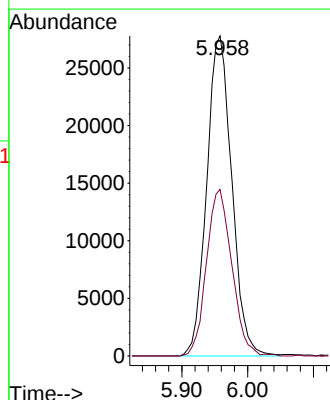
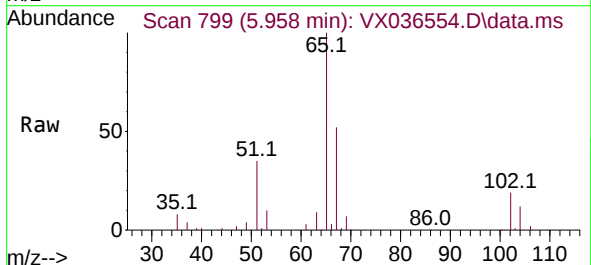
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

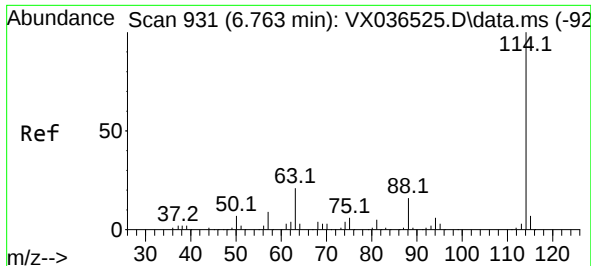
Tgt Ion: 76 Resp: 1399
Ion Ratio Lower Upper
76 100
78 10.4 8.0 12.0



#27
1,2-Dichloroethane-d4
Concen: 30.380 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036554.D
Acq: 14 Jul 2023 11:24

Tgt Ion: 65 Resp: 73714
Ion Ratio Lower Upper
65 100
67 52.4 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: VX036554.D

Acq: 14 Jul 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)DL

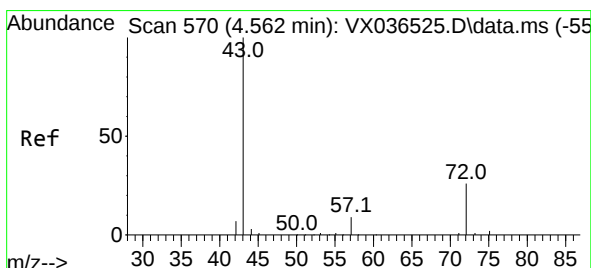
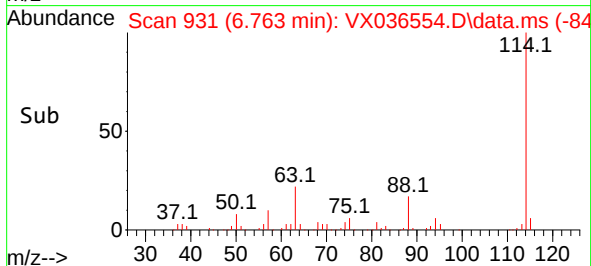
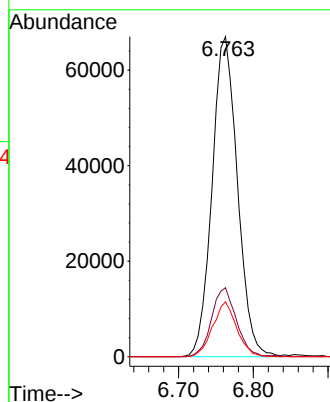
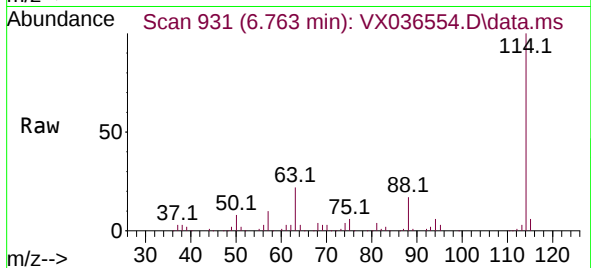
Tgt Ion:114 Resp: 158389

Ion Ratio Lower Upper

114 100

63 20.9 16.6 24.8

88 16.2 12.9 19.3



#30

2-Butanone

Concen: 9.010 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX036554.D

Acq: 14 Jul 2023 11:24

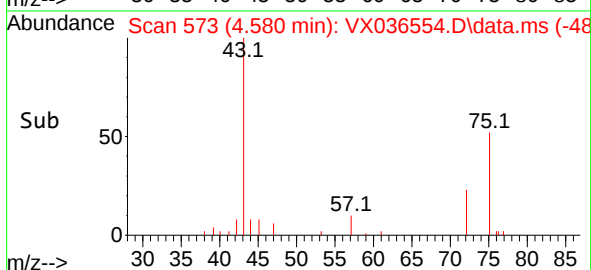
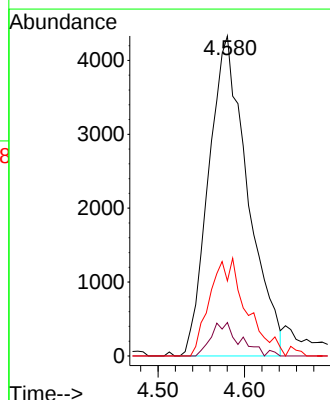
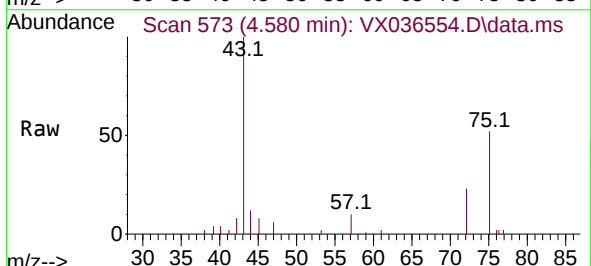
Tgt Ion: 43 Resp: 13550

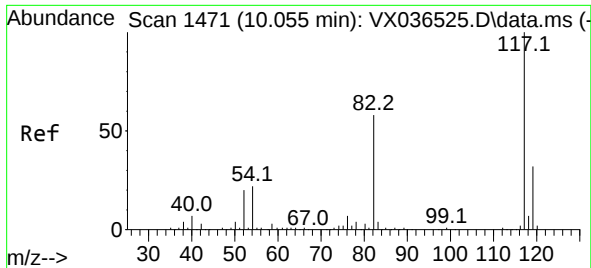
Ion Ratio Lower Upper

43 100

57 5.8 6.4 9.6#

72 14.8 21.6 32.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036554.D

Acq: 14 Jul 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)DL

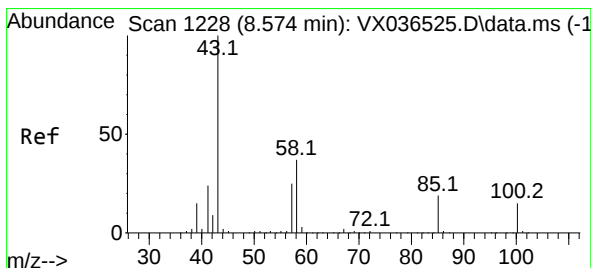
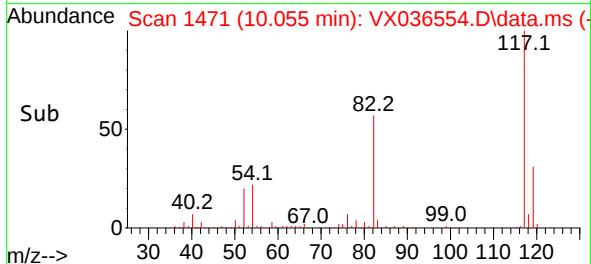
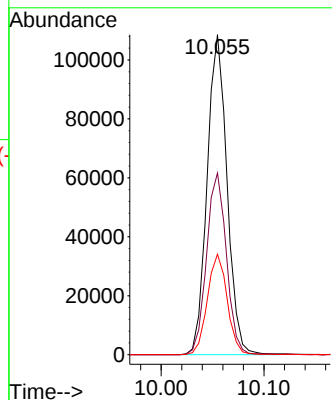
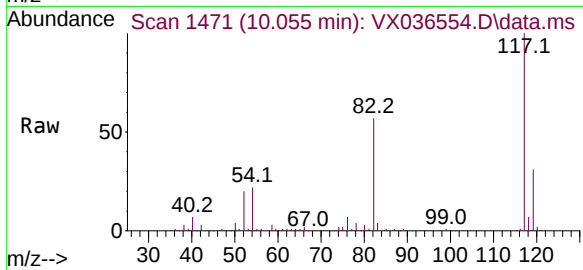
Tgt Ion:117 Resp: 146157

Ion Ratio Lower Upper

117 100

82 56.8 44.7 67.1

119 31.3 25.6 38.4



#58

4-Methyl-2-Pentanone

Concen: 0.946 ug/l

RT: 8.579 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX036554.D

Acq: 14 Jul 2023 11:24

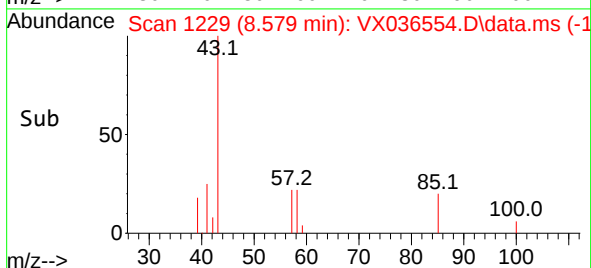
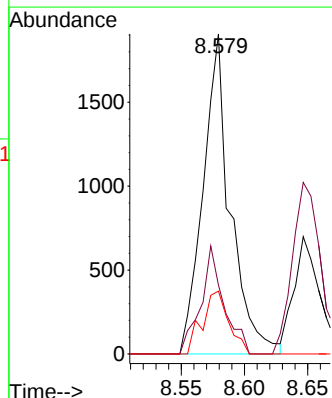
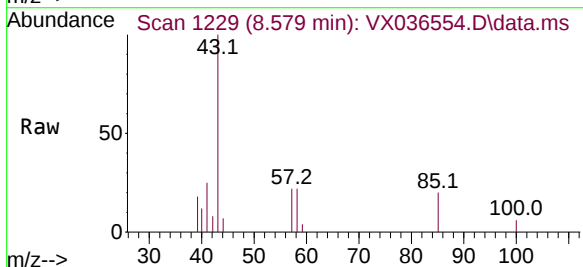
Tgt Ion: 43 Resp: 2860

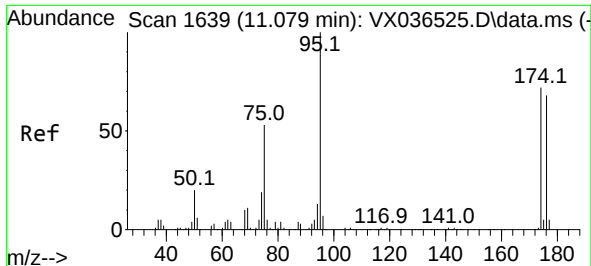
Ion Ratio Lower Upper

43 100

58 28.6 30.9 46.3#

85 19.1 14.4 21.6

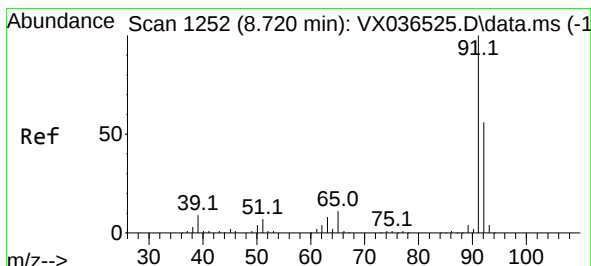
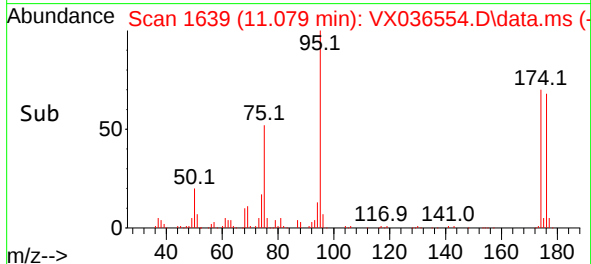
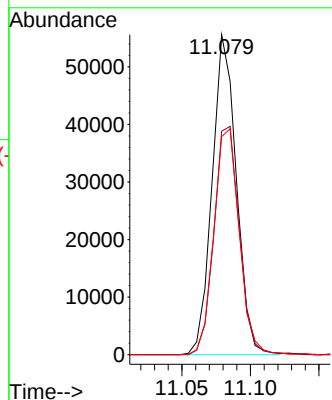
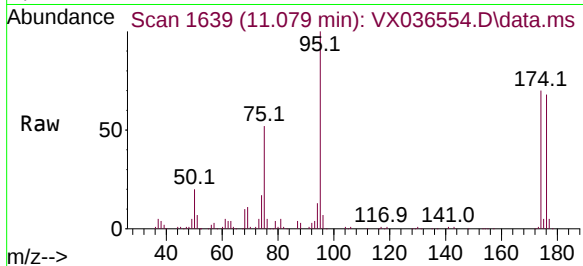




#60
4-Bromofluorobenzene
Concen: 28.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036554.D
Acq: 14 Jul 2023 11:24

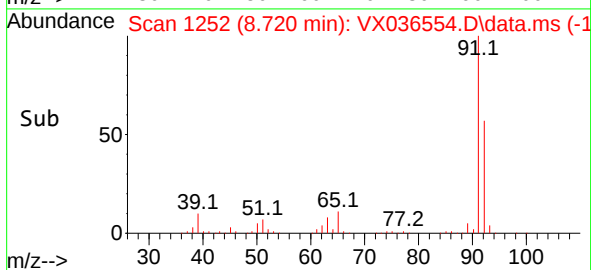
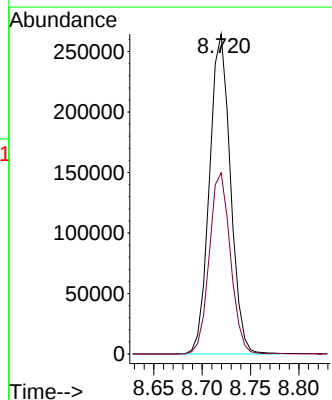
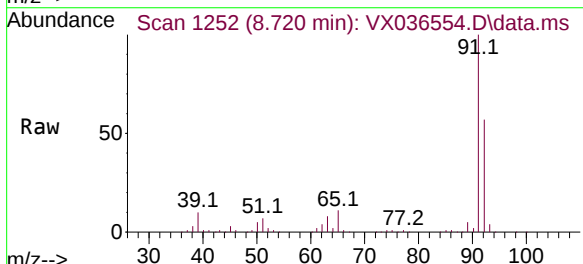
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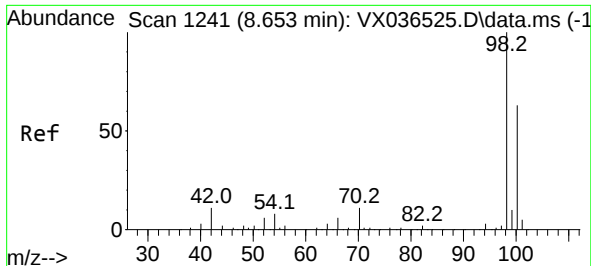
Tgt Ion: 95 Resp: 68117
Ion Ratio Lower Upper
95 100
174 74.8 60.5 90.7
176 74.3 58.2 87.4



#62
Toluene
Concen: 48.736 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036554.D
Acq: 14 Jul 2023 11:24

Tgt Ion: 91 Resp: 399662
Ion Ratio Lower Upper
91 100
92 57.0 44.9 67.3





#63

Toluene-d8

Concen: 29.659 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX036554.D

Acq: 14 Jul 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

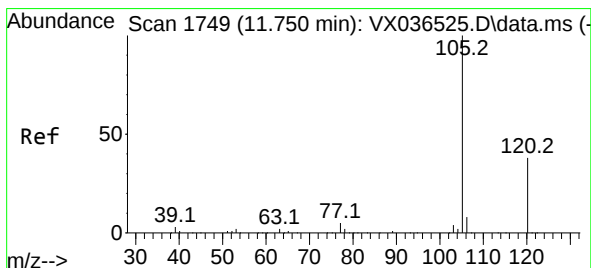
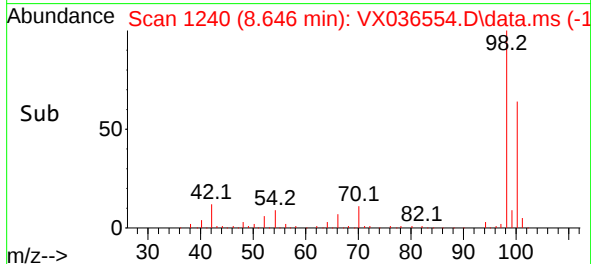
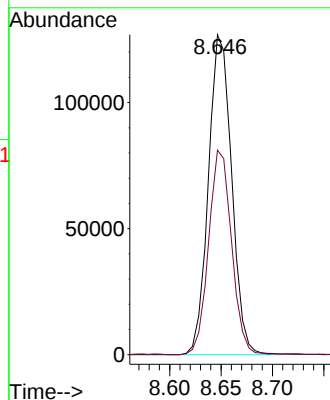
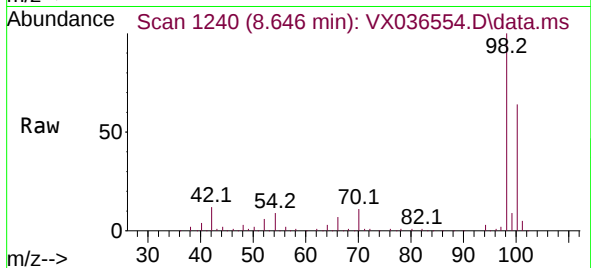
001-WILLETS-PT-BLVD(JUNE)DL

Tgt Ion: 98 Resp: 199477

Ion Ratio Lower Upper

98 100

100 63.2 51.6 77.4



#80

1,2,4-Trimethylbenzene

Concen: 0.206 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX036554.D

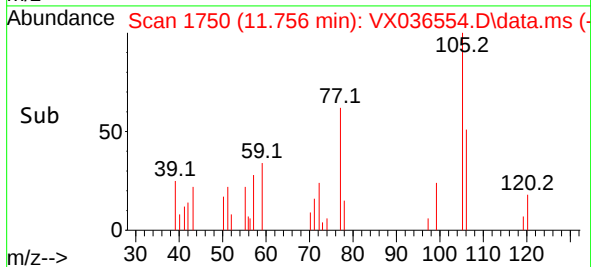
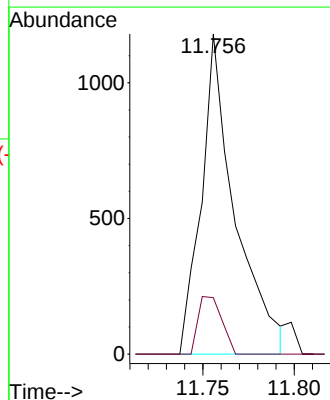
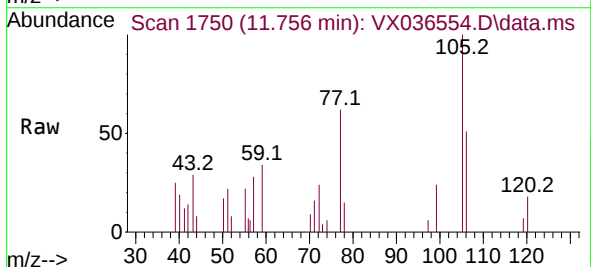
Acq: 14 Jul 2023 11:24

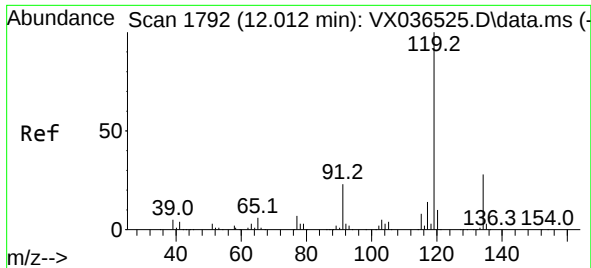
Tgt Ion:105 Resp: 1507

Ion Ratio Lower Upper

105 100

120 12.7 0.0 90.2





#82

p-Isopropyltoluene

Concen: 0.267 ug/l

RT: 12.012 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036554.D

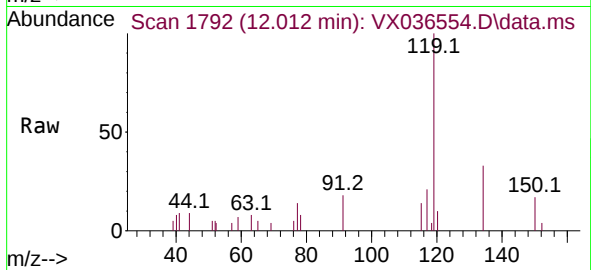
Acq: 14 Jul 2023 11:24

Instrument :

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ClientSampleId :

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Tgt Ion:119 Resp: 1961

Ion Ratio Lower Upper

119 100

134 28.7 0.0 53.2

91 24.8 0.0 49.4

