

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040623\
 Data File : VX034953.D
 Acq On : 06 Apr 2023 14:11
 Operator : JC/MD
 Sample : 02211-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Apr 07 03:17:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 09:11:00 2023
 Response via : Initial Calibration

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

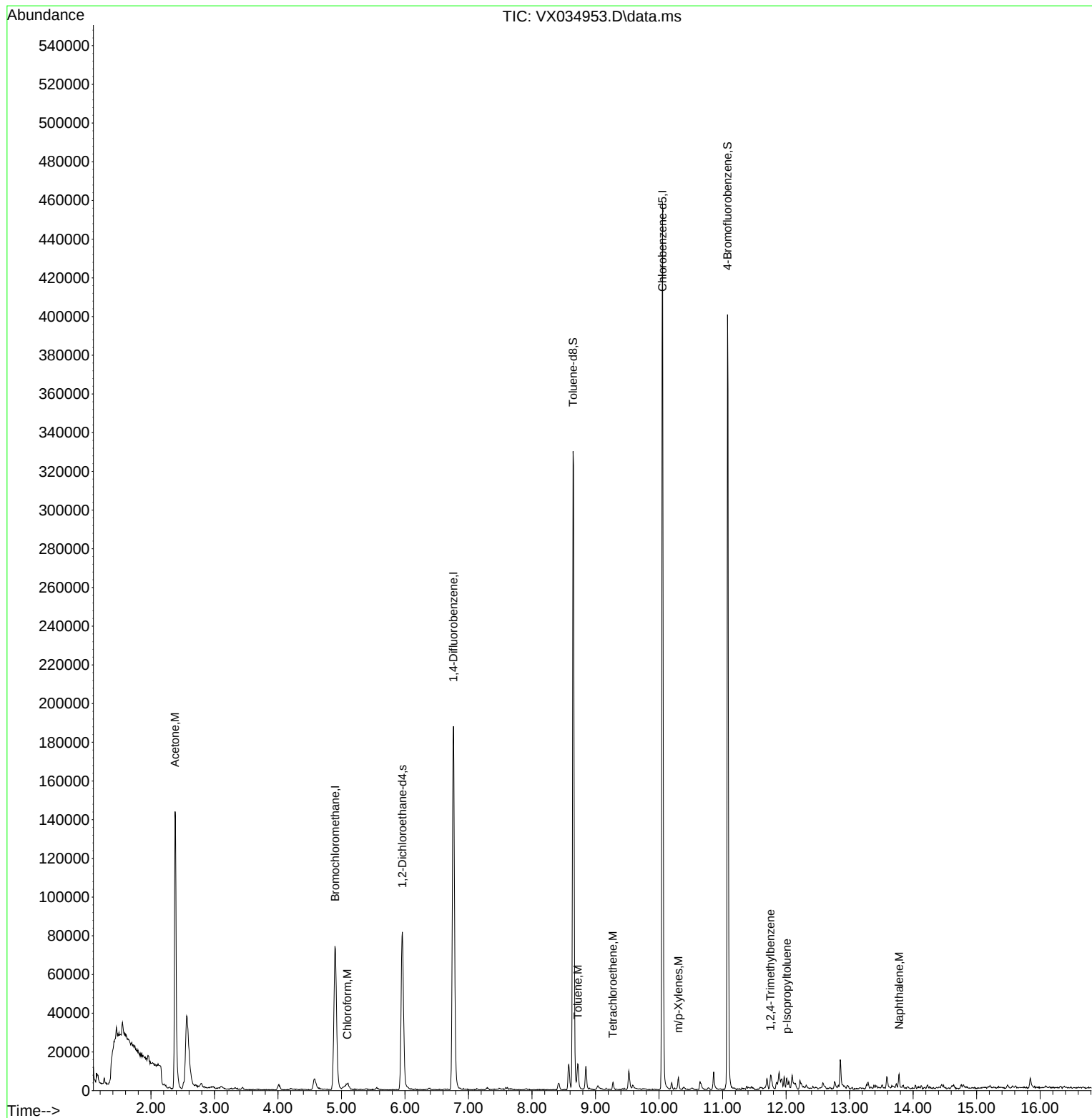
Internal Standards						
1) Bromochloromethane	4.897	128	29528	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	182650	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	195004	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	81325	28.664	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.533%
60) 4-Bromofluorobenzene	11.079	95	108560	27.861	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.867%
63) Toluene-d8	8.646	98	197264	29.767	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.233%
Target Compounds						
					Qvalue	
15) Acetone	2.379	58	47495	97.882	ug/l	97
25) Chloroform	5.092	83	3337	0.528	ug/l	95
61) Tetrachloroethene	9.274	164	691	0.263	ug/l	93
62) Toluene	8.720	91	8048	0.631	ug/l	95
67) m/p-Xylenes	10.305	106	1479	0.274	ug/l	80
80) 1,2,4-Trimethylbenzene	11.756	105	2398	0.207	ug/l	90
82) p-Isopropyltoluene	12.012	119	2411	0.212	ug/l	93
91) Naphthalene	13.780	128	4438	0.341	ug/l	98

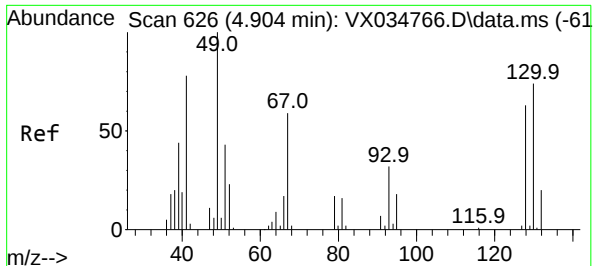
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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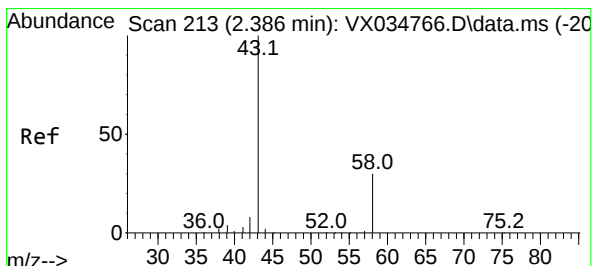
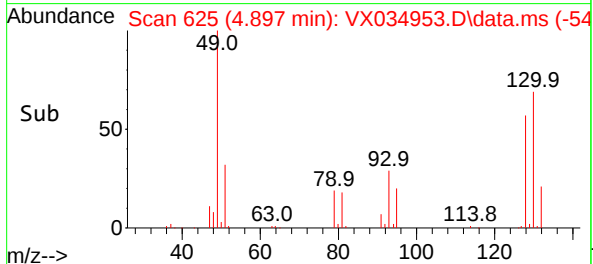
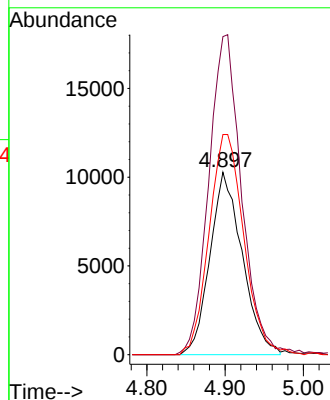
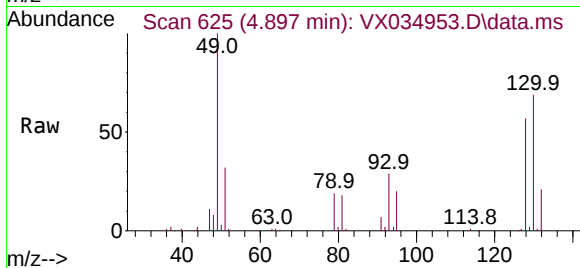




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

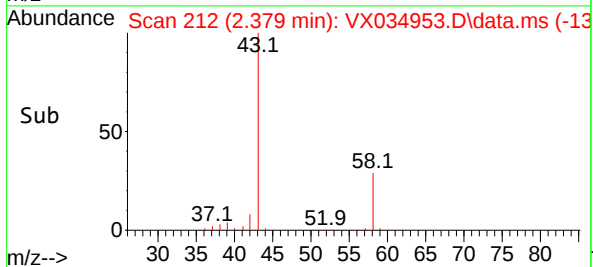
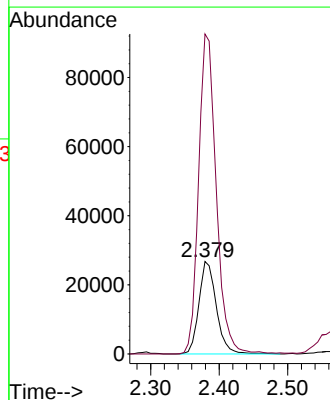
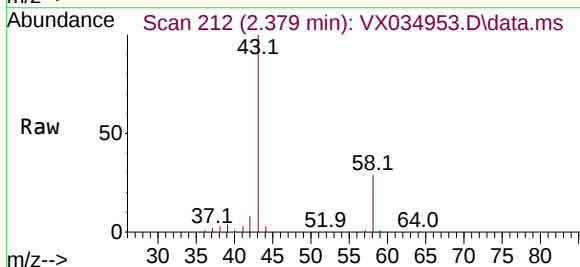
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

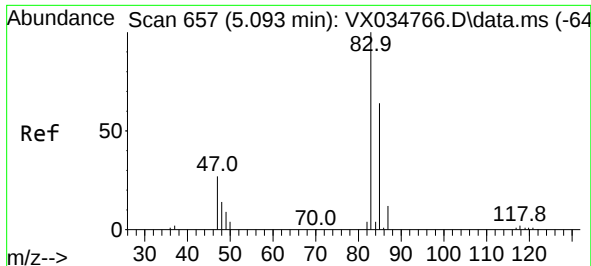
Tgt Ion:128 Resp: 29528
Ion Ratio Lower Upper
128 100
49 175.6 0.0 428.8
130 129.8 0.0 310.8



#15
Acetone
Concen: 97.882 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.007 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

Tgt Ion: 58 Resp: 47495
Ion Ratio Lower Upper
58 100
43 345.6 270.8 406.2

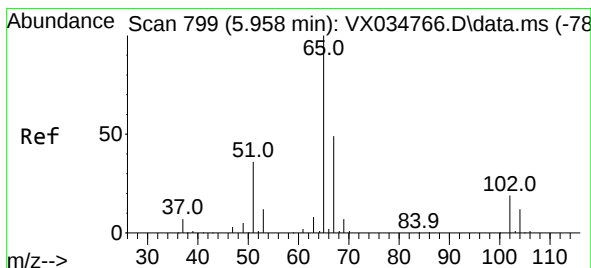
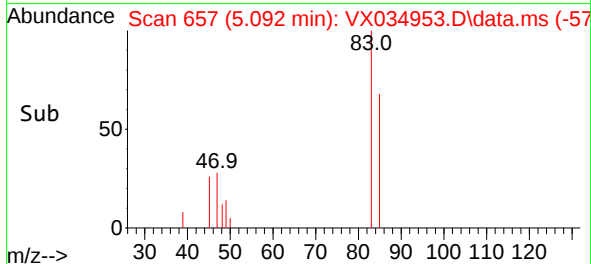
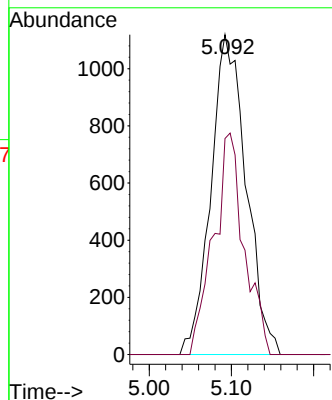
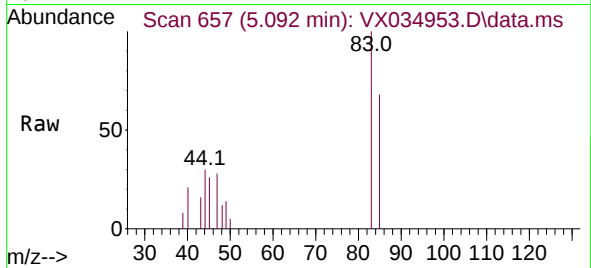




#25
Chloroform
Concen: 0.528 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

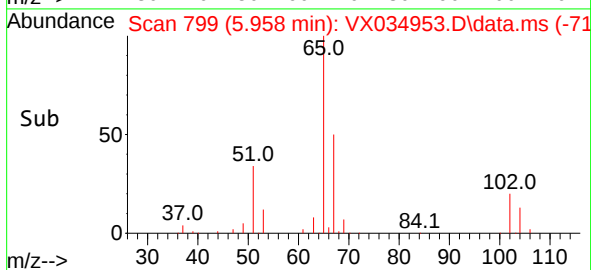
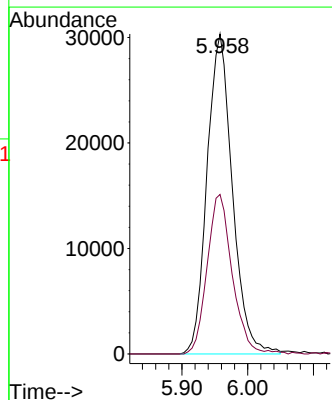
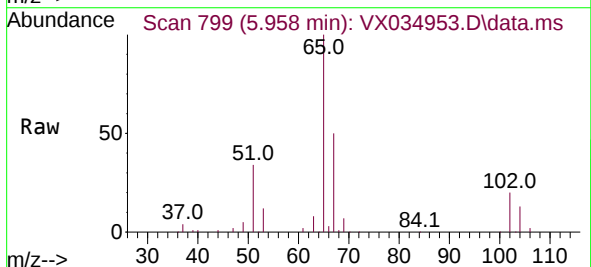
Instrument :
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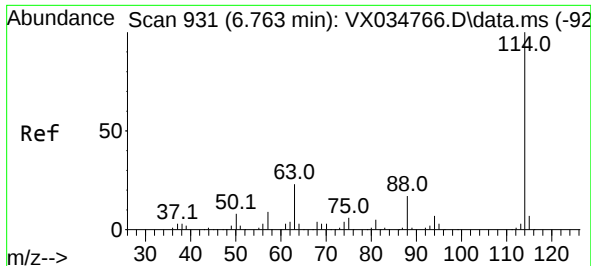
Tgt Ion: 83 Resp: 3337
Ion Ratio Lower Upper
83 100
85 67.6 51.2 76.8



#27
1,2-Dichloroethane-d4
Concen: 28.664 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

Tgt Ion: 65 Resp: 81325
Ion Ratio Lower Upper
65 100
67 49.0 40.9 61.3

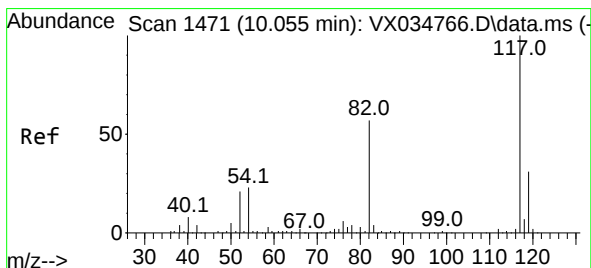
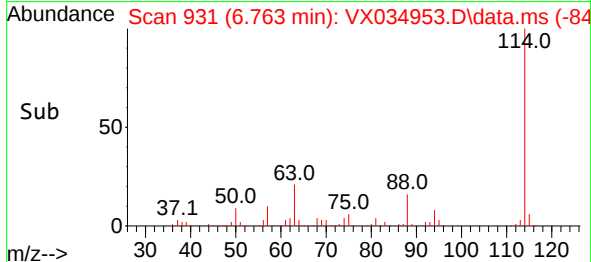
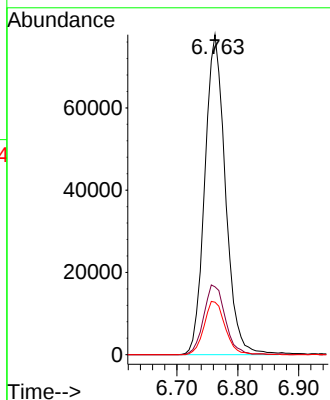
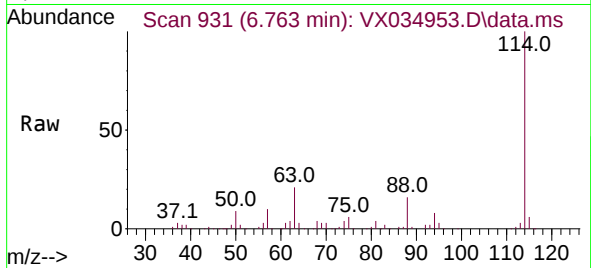




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

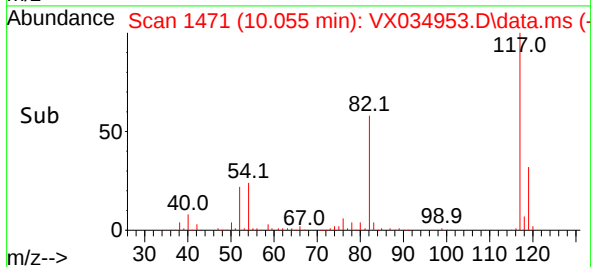
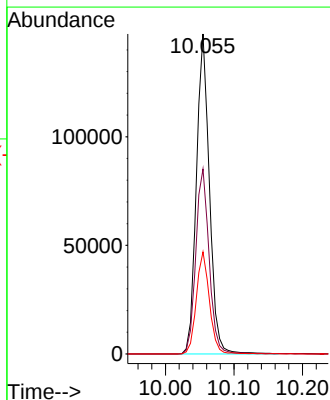
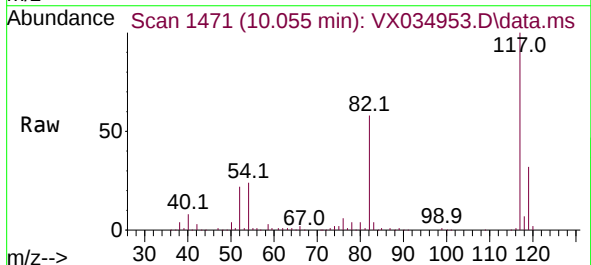
Instrument :
MSVOA_X
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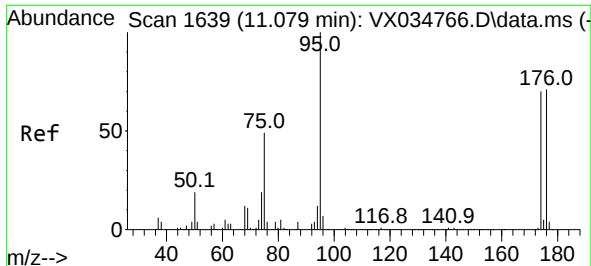
Tgt Ion:114 Resp: 182650
Ion Ratio Lower Upper
114 100
63 22.7 18.0 27.0
88 17.1 13.3 19.9



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

Tgt Ion:117 Resp: 195004
Ion Ratio Lower Upper
117 100
82 59.0 45.8 68.8
119 31.7 25.4 38.0

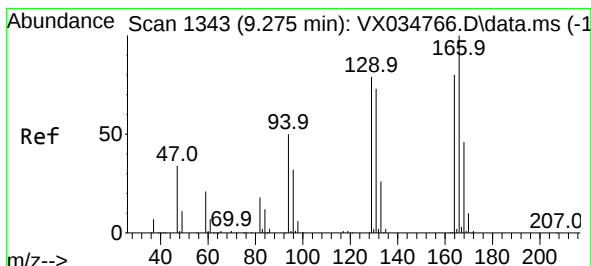
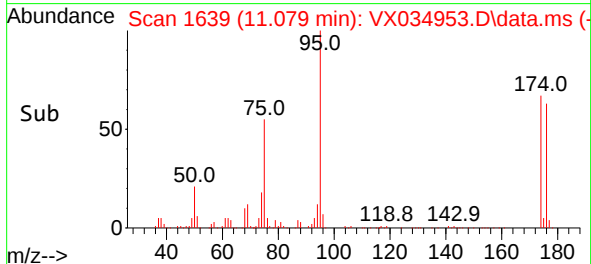
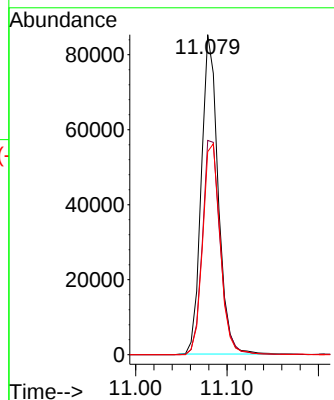
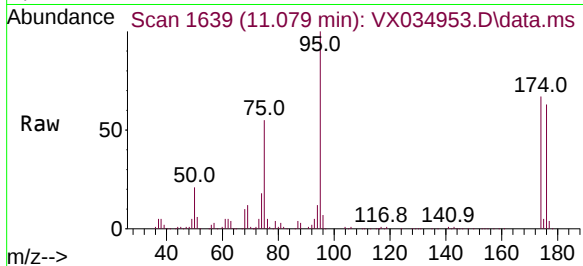




#60
4-Bromofluorobenzene
Concen: 27.861 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

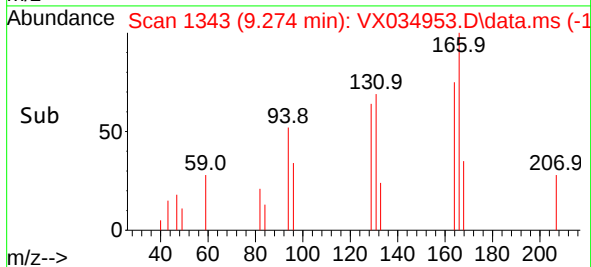
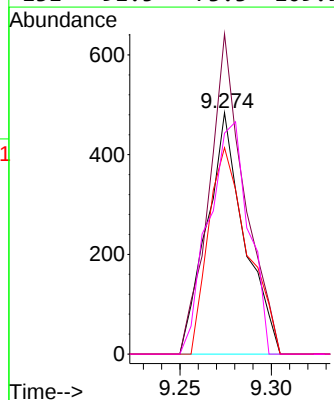
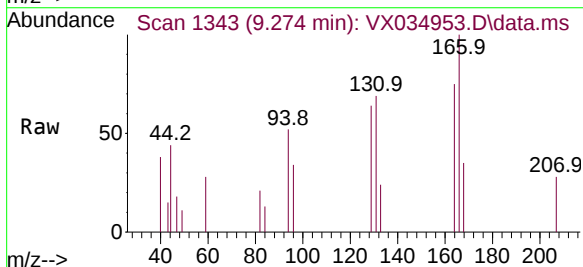
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

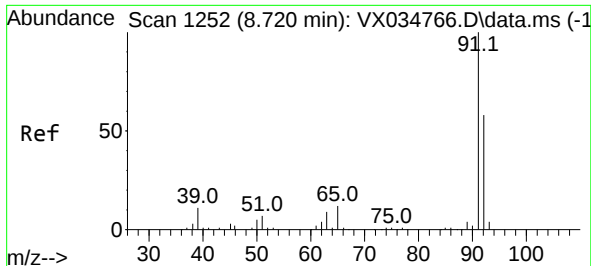
Tgt Ion: 95 Resp: 108560
Ion Ratio Lower Upper
95 100
174 71.2 0.2 0.4#
176 69.2 0.2 0.2#



#61
Tetrachloroethene
Concen: 0.263 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

Tgt Ion: 164 Resp: 691
Ion Ratio Lower Upper
164 100
166 132.6 100.1 150.1
129 85.5 79.1 118.7
131 91.5 73.3 109.9

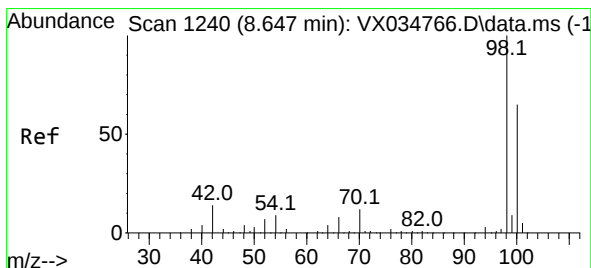
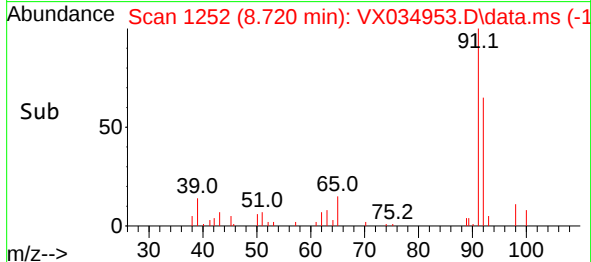
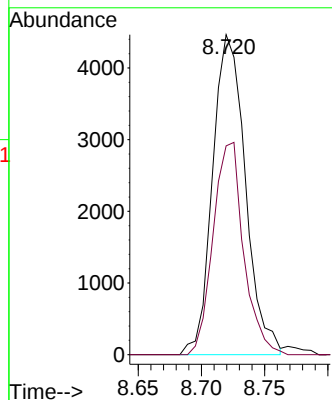
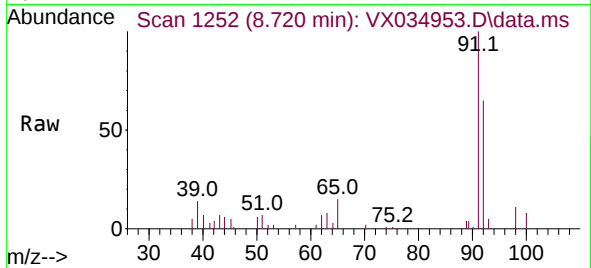




#62
Toluene
Concen: 0.631 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

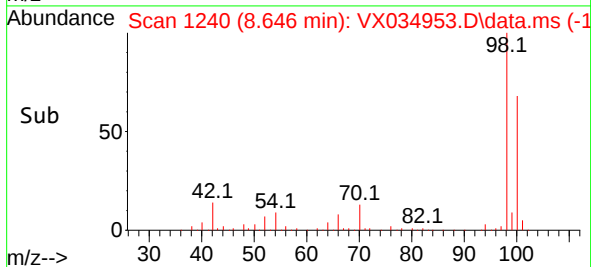
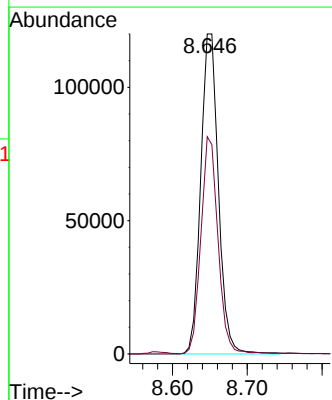
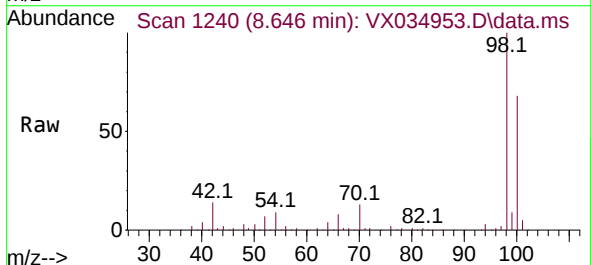
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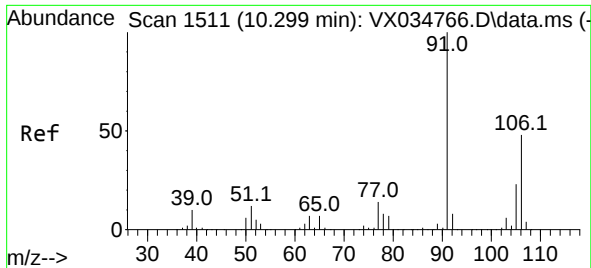
Tgt Ion: 91 Resp: 8048
Ion Ratio Lower Upper
91 100
92 61.7 46.5 69.7



#63
Toluene-d8
Concen: 29.767 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.001 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

Tgt Ion: 98 Resp: 197264
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

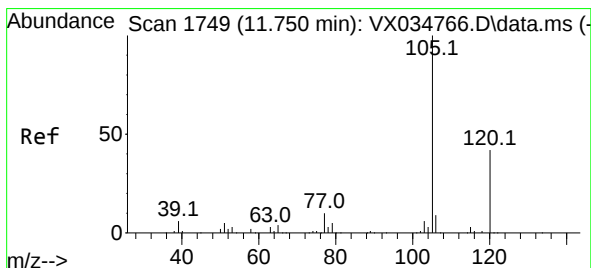
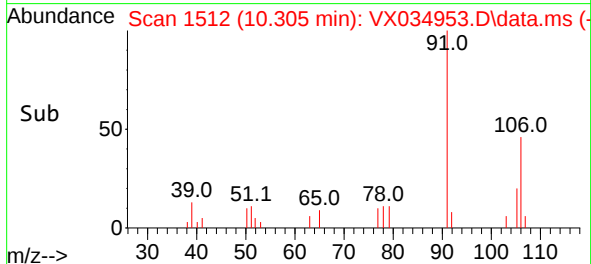
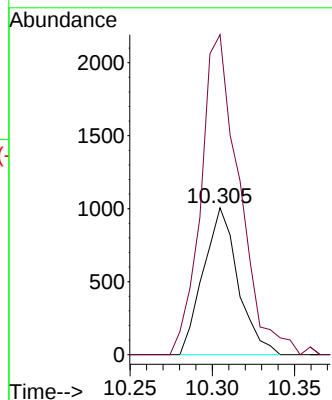
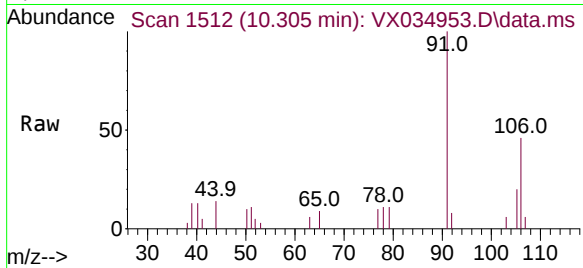




#67
m/p-Xylenes
Concen: 0.274 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

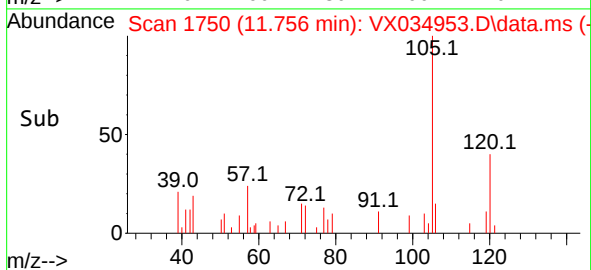
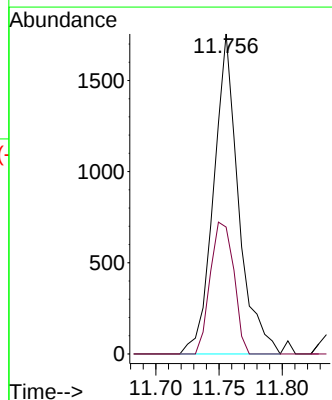
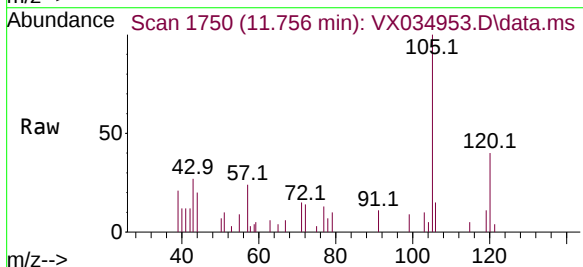
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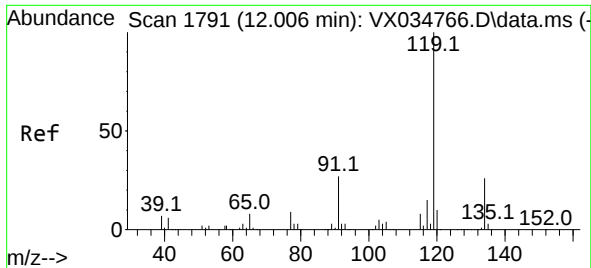
Tgt Ion:106 Resp: 1479
Ion Ratio Lower Upper
106 100
91 240.3 167.4 251.2



#80
1,2,4-Trimethylbenzene
Concen: 0.207 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

Tgt Ion:105 Resp: 2398
Ion Ratio Lower Upper
105 100
120 38.9 0.0 90.4

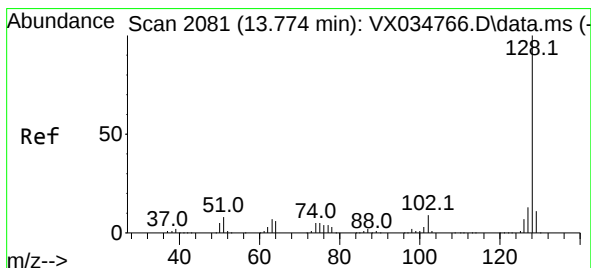
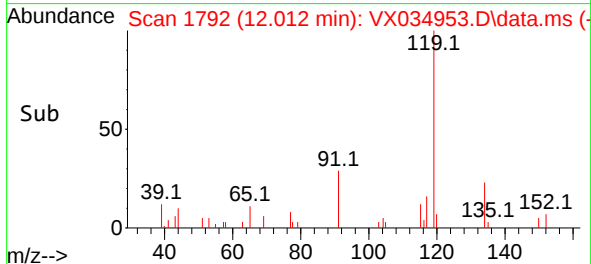
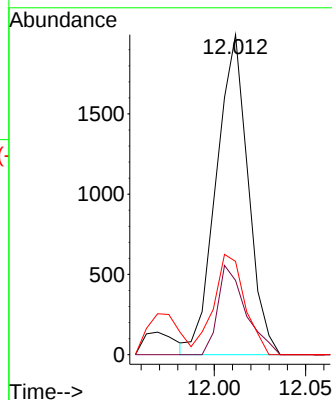
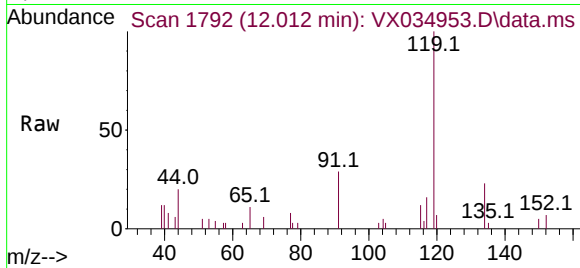




#82
p-Isopropyltoluene
Concen: 0.212 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.006 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:119 Resp: 2411
Ion Ratio Lower Upper
119 100
134 24.5 0.0 52.2
91 30.8 0.0 51.0



#91
Naphthalene
Concen: 0.341 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034953.D
Acq: 06 Apr 2023 14:11

Tgt Ion:128 Resp: 4438
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 9.9 8.8 13.2

