

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081624\
 Data File : VX043067.D
 Acq On : 16 Aug 2024 11:42
 Operator : JC/MD
 Sample : P3606-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 16 23:53:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

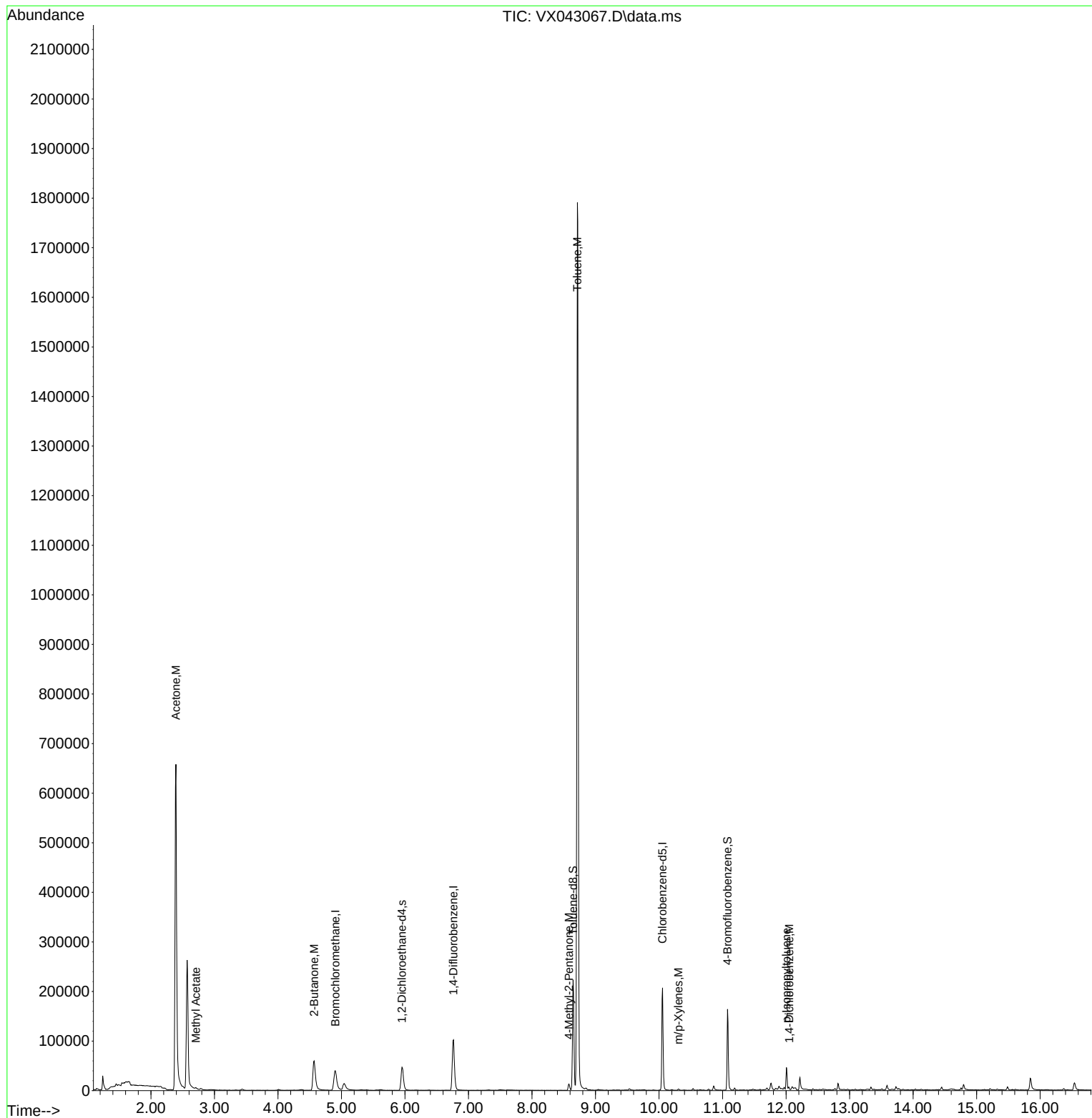
Internal Standards						
1) Bromochloromethane	4.904	128	17962	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	110100	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	96242	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	42815	29.447	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.167%
60) 4-Bromofluorobenzene	11.079	95	44239	27.077	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.267%
63) Toluene-d8	8.647	98	132887	30.058	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.200%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	5127	2.293	ug/l	99
15) Acetone	2.392	58	251467	1061.628	ug/l	78
30) 2-Butanone	4.568	43	112010	92.510	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	8499	3.819	ug/l	98
62) Toluene	8.714	91	1183384	215.253	ug/l	98
67) m/p-Xylenes	10.305	106	776	0.347	ug/l	100
82) p-Isopropyltoluene	12.006	119	19849	4.169	ug/l	98
84) 1,4-Dichlorobenzene	12.049	146	890	0.375	ug/l	96

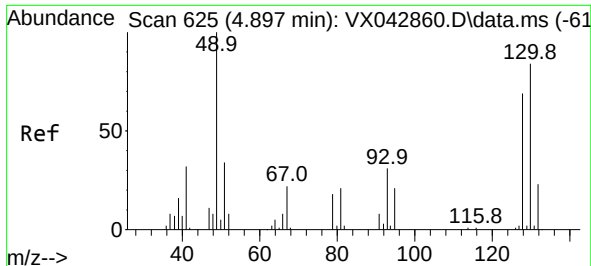
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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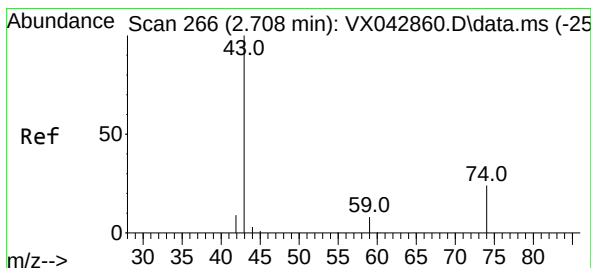
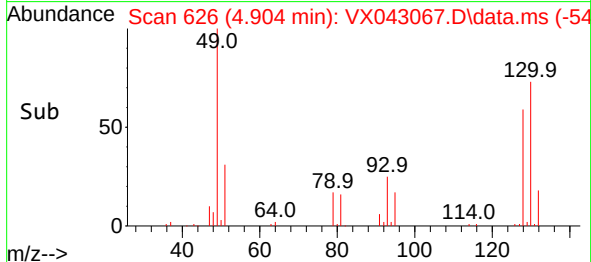
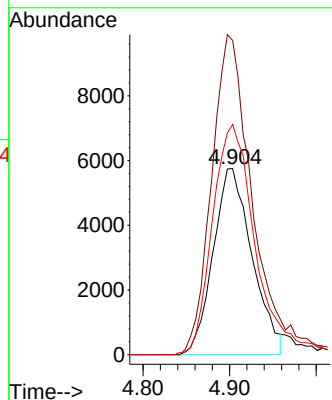
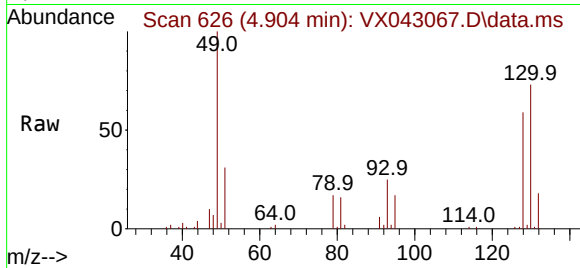




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

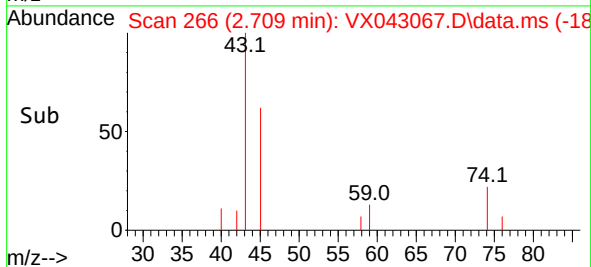
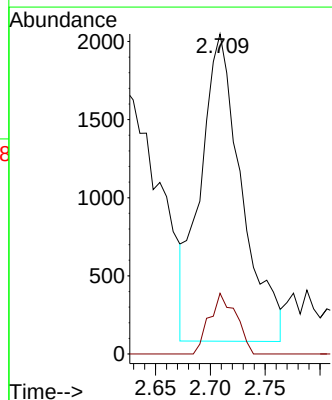
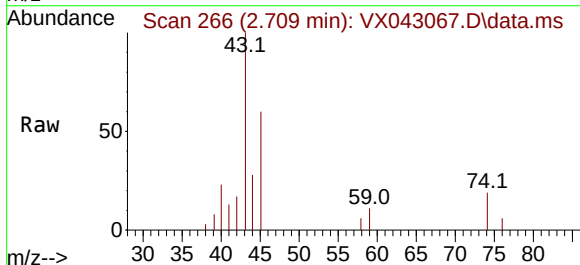
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

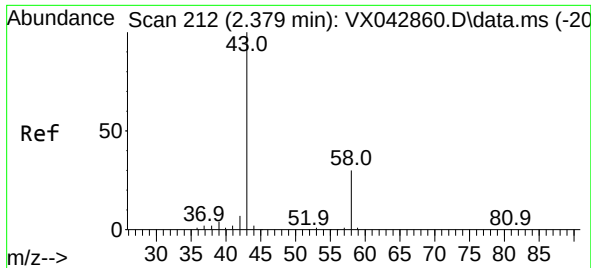
Tgt Ion:128 Resp: 17962
Ion Ratio Lower Upper
128 100
49 177.6 0.0 400.5
130 136.3 0.0 333.0



#12
Methyl Acetate
Concen: 2.293 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

Tgt Ion: 43 Resp: 5127
Ion Ratio Lower Upper
43 100
74 25.0 19.4 29.2

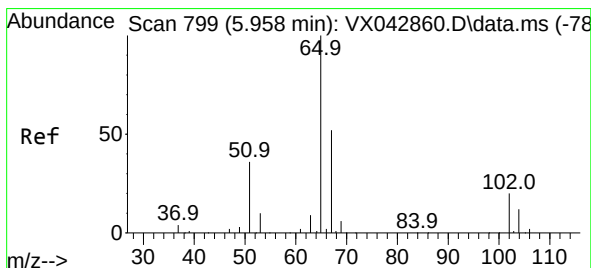
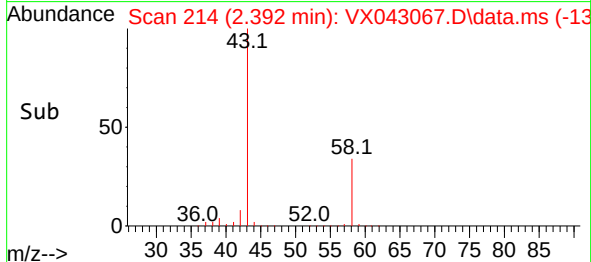
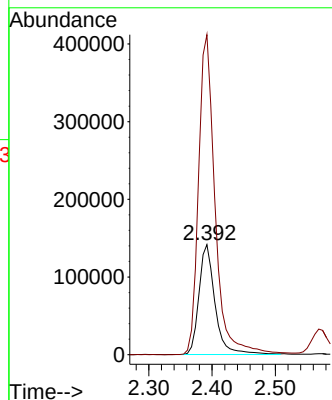
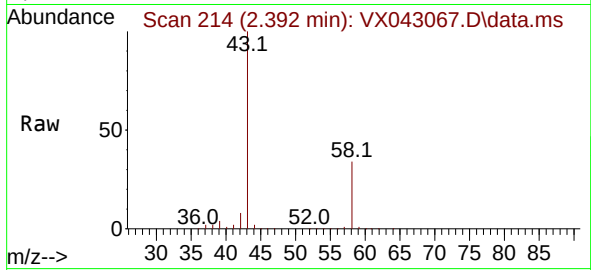




#15
Acetone
Concen: 1061.628 ug/l
RT: 2.392 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

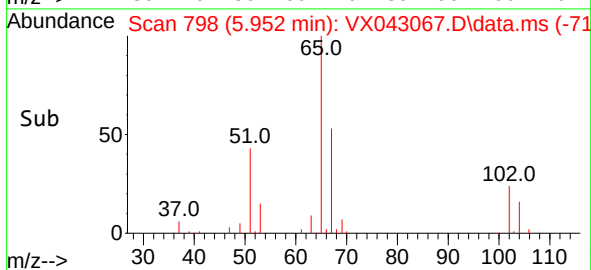
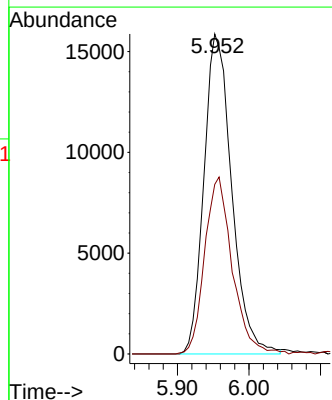
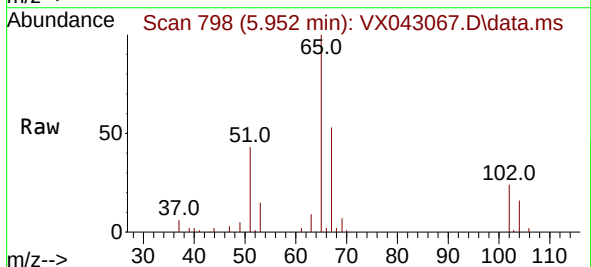
Instrument :
MSVOA_X
ClientSampleId :
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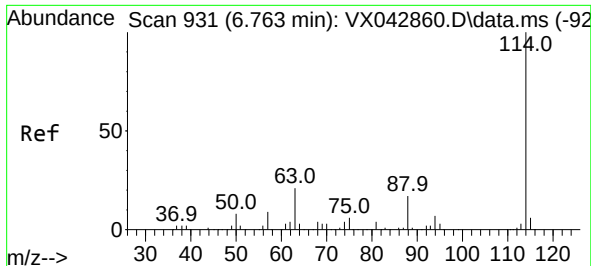
Tgt Ion: 58 Resp: 251467
Ion Ratio Lower Upper
58 100
43 291.0 269.9 404.9



#27
1,2-Dichloroethane-d4
Concen: 29.447 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

Tgt Ion: 65 Resp: 42815
Ion Ratio Lower Upper
65 100
67 54.3 40.6 60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX043067.D

Acq: 16 Aug 2024 11:42

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(AUG)

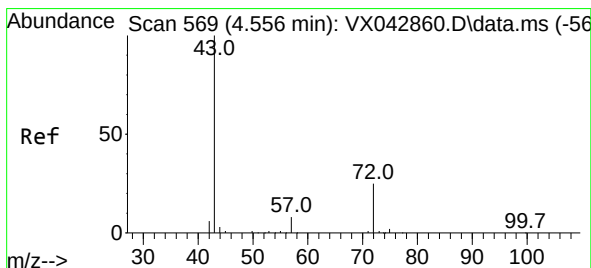
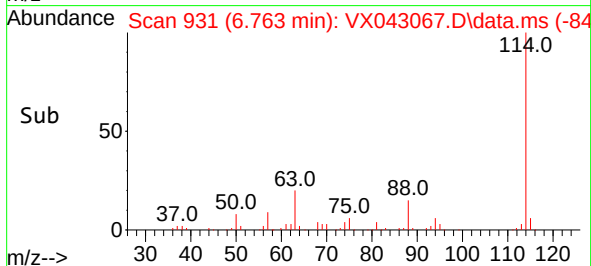
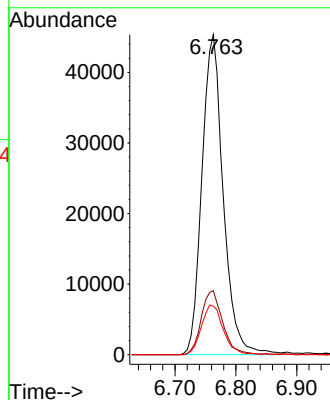
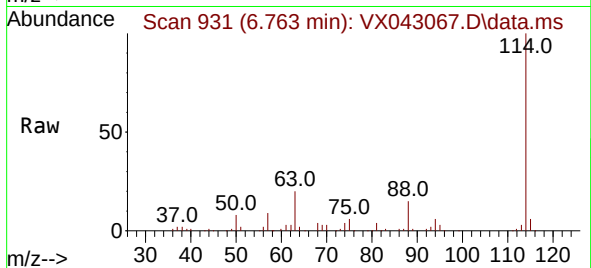
Tgt Ion:114 Resp: 110100

Ion Ratio Lower Upper

114 100

63 20.0 16.0 24.0

88 15.7 12.5 18.7



#30

2-Butanone

Concen: 92.510 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.000 min

Lab File: VX043067.D

Acq: 16 Aug 2024 11:42

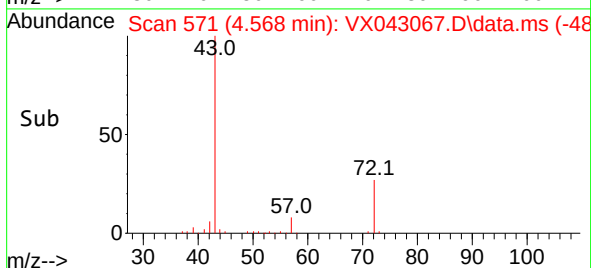
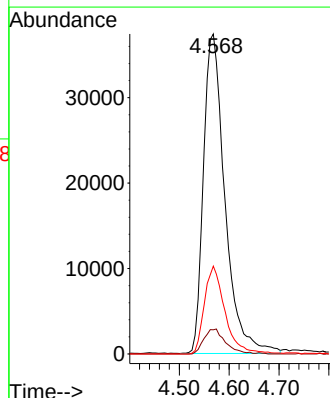
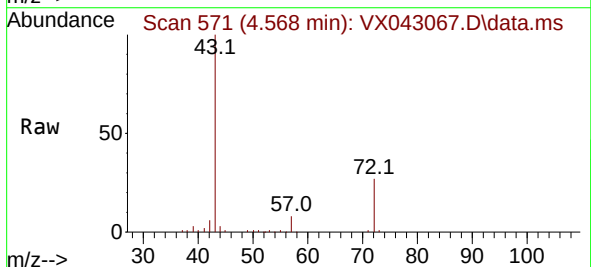
Tgt Ion: 43 Resp: 112010

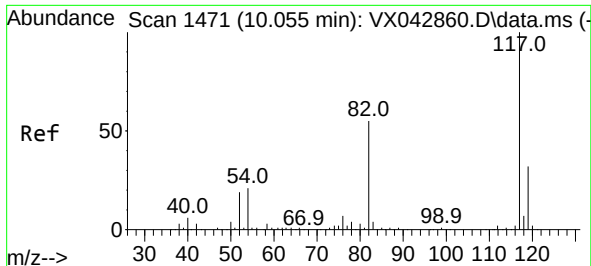
Ion Ratio Lower Upper

43 100

57 7.7 6.6 10.0

72 26.3 21.0 31.4

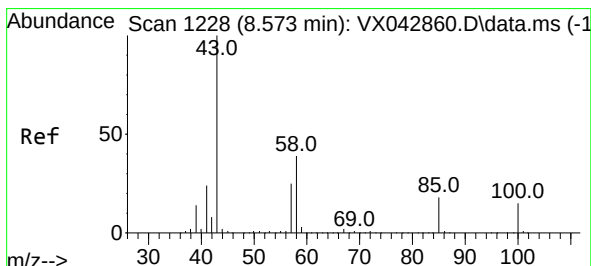
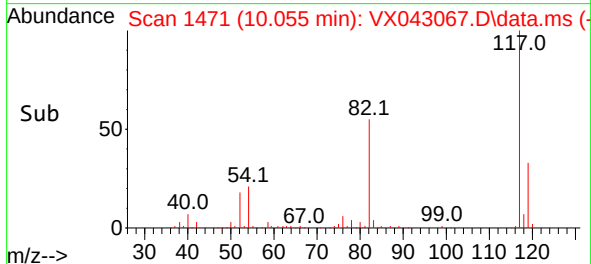
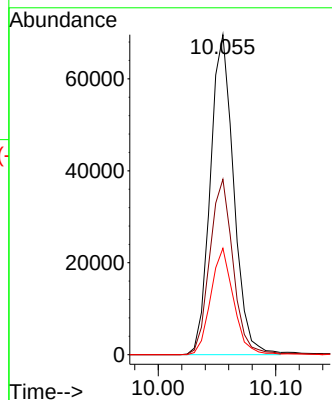
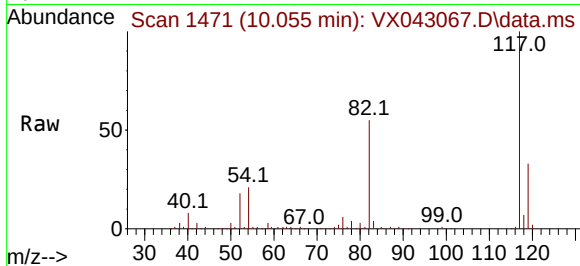




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

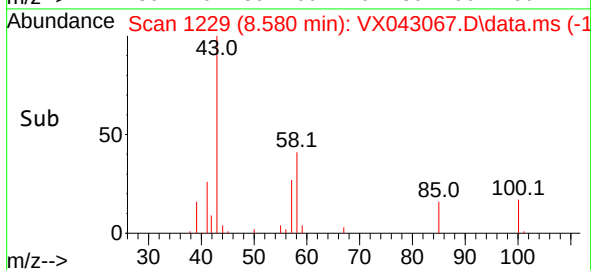
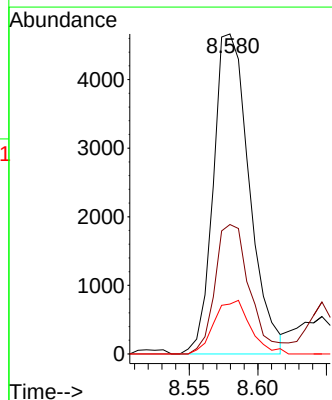
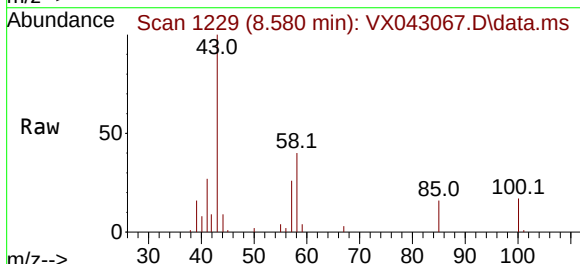
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

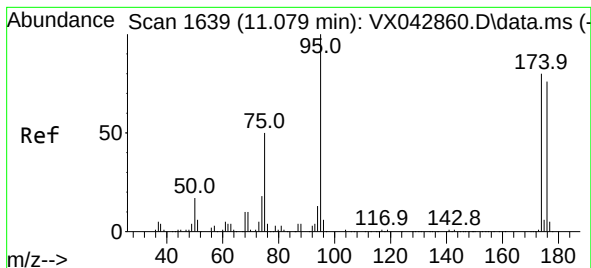
Tgt Ion:117 Resp: 96242
Ion Ratio Lower Upper
117 100
82 54.8 44.9 67.3
119 32.4 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 3.819 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

Tgt Ion: 43 Resp: 8499
Ion Ratio Lower Upper
43 100
58 39.7 31.4 47.0
85 16.8 14.6 21.8

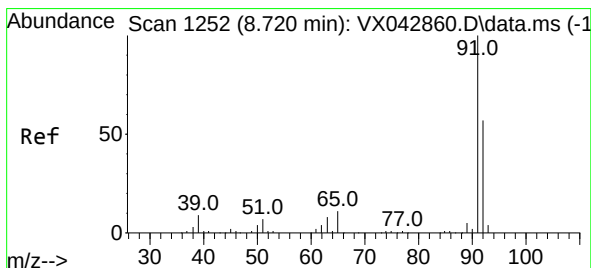
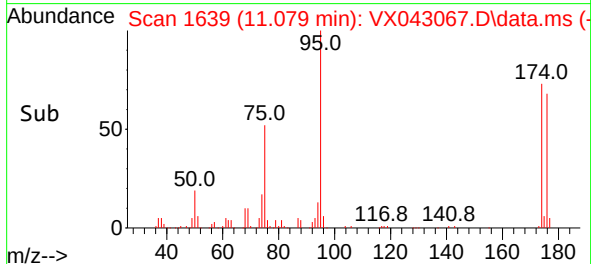
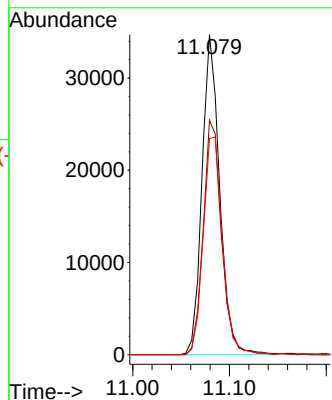
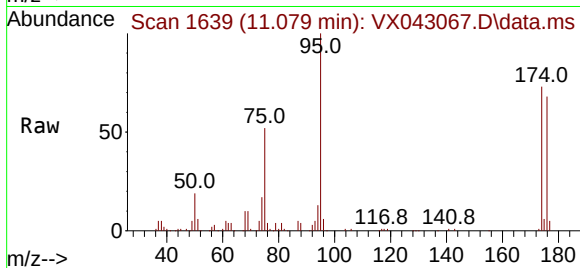




#60
4-Bromofluorobenzene
Concen: 27.077 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

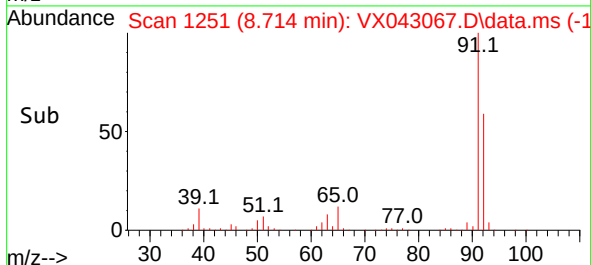
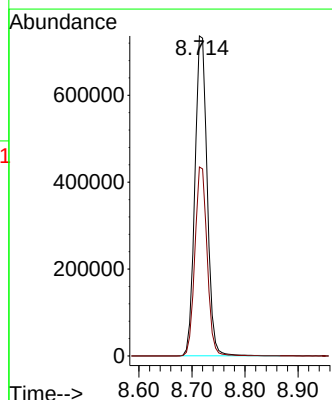
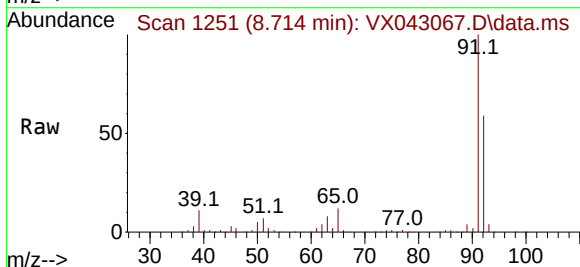
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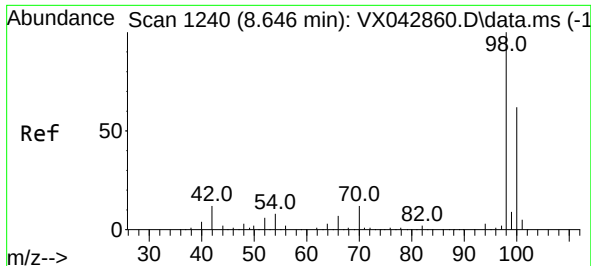
Tgt Ion: 95 Resp: 44239
Ion Ratio Lower Upper
95 100
174 75.8 65.0 97.6
176 74.0 63.4 95.0



#62
Toluene
Concen: 215.253 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

Tgt Ion: 91 Resp: 1183384
Ion Ratio Lower Upper
91 100
92 58.9 45.7 68.5

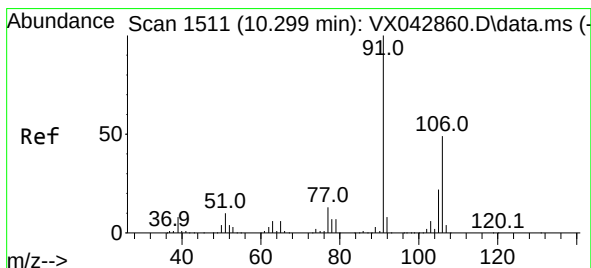
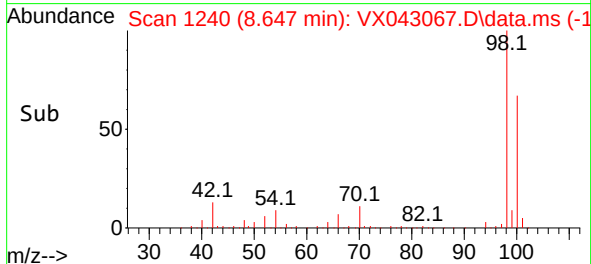
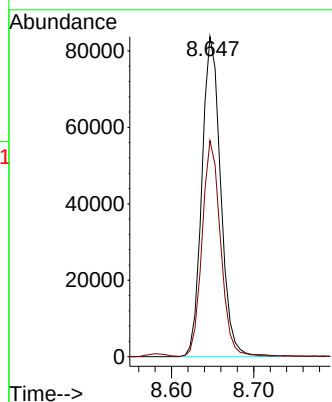
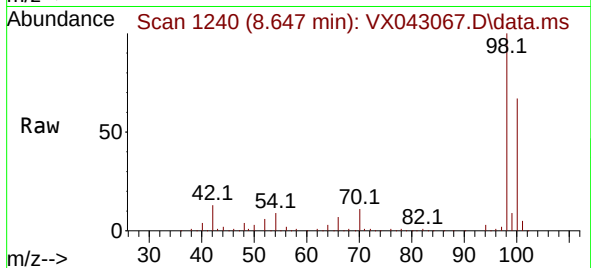




#63
Toluene-d8
Concen: 30.058 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

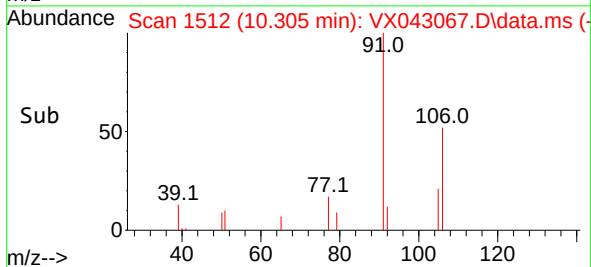
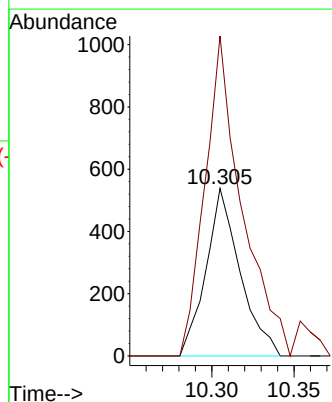
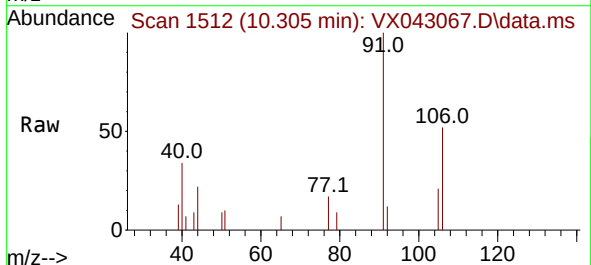
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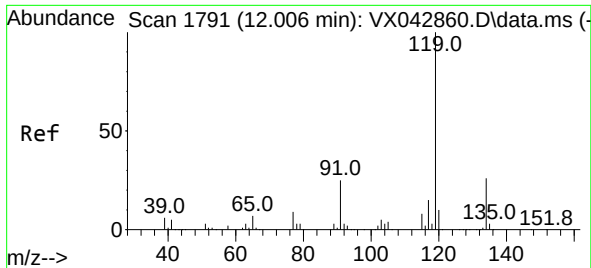
Tgt Ion: 98 Resp: 132887
Ion Ratio Lower Upper
98 100
100 66.4 50.9 76.3



#67
m/p-Xylenes
Concen: 0.347 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

Tgt Ion: 106 Resp: 776
Ion Ratio Lower Upper
106 100
91 206.2 165.3 247.9

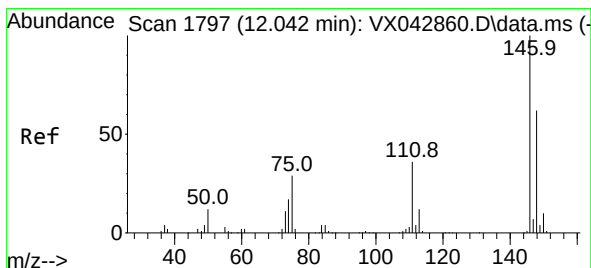
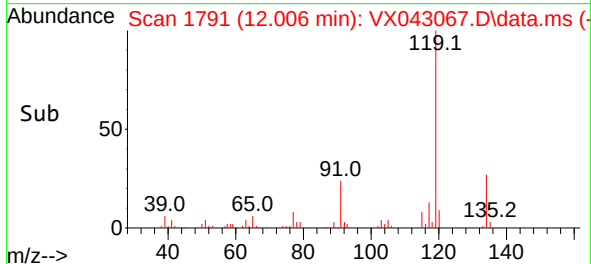
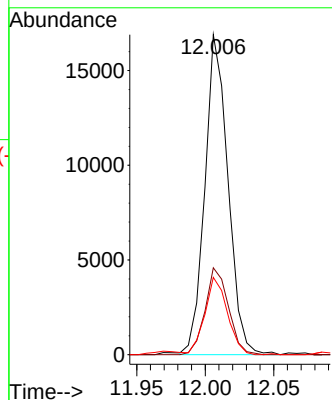
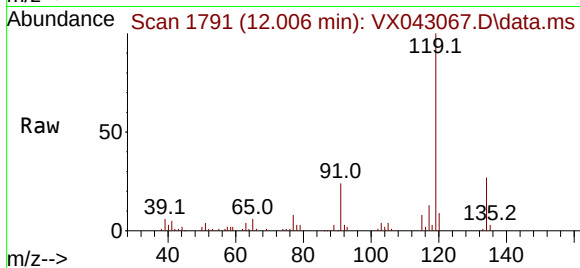




#82
p-Isopropyltoluene
Concen: 4.169 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:119	Resp:	19849
Ion Ratio	Lower	Upper
119	100	
134	27.2	0.0 51.8
91	23.5	0.0 48.4



#84
1,4-Dichlorobenzene
Concen: 0.375 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VX043067.D
Acq: 16 Aug 2024 11:42

Tgt Ion:146	Resp:	890
Ion Ratio	Lower	Upper
146	100	
111	44.4	19.4 58.4
148	63.1	31.4 94.2

