

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072624\
 Data File : VX042560.D
 Acq On : 25 Jul 2024 11:57
 Operator : JC/MD
 Sample : P3355-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-BLVD(JUNE

Quant Time: Jul 26 01:34:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

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

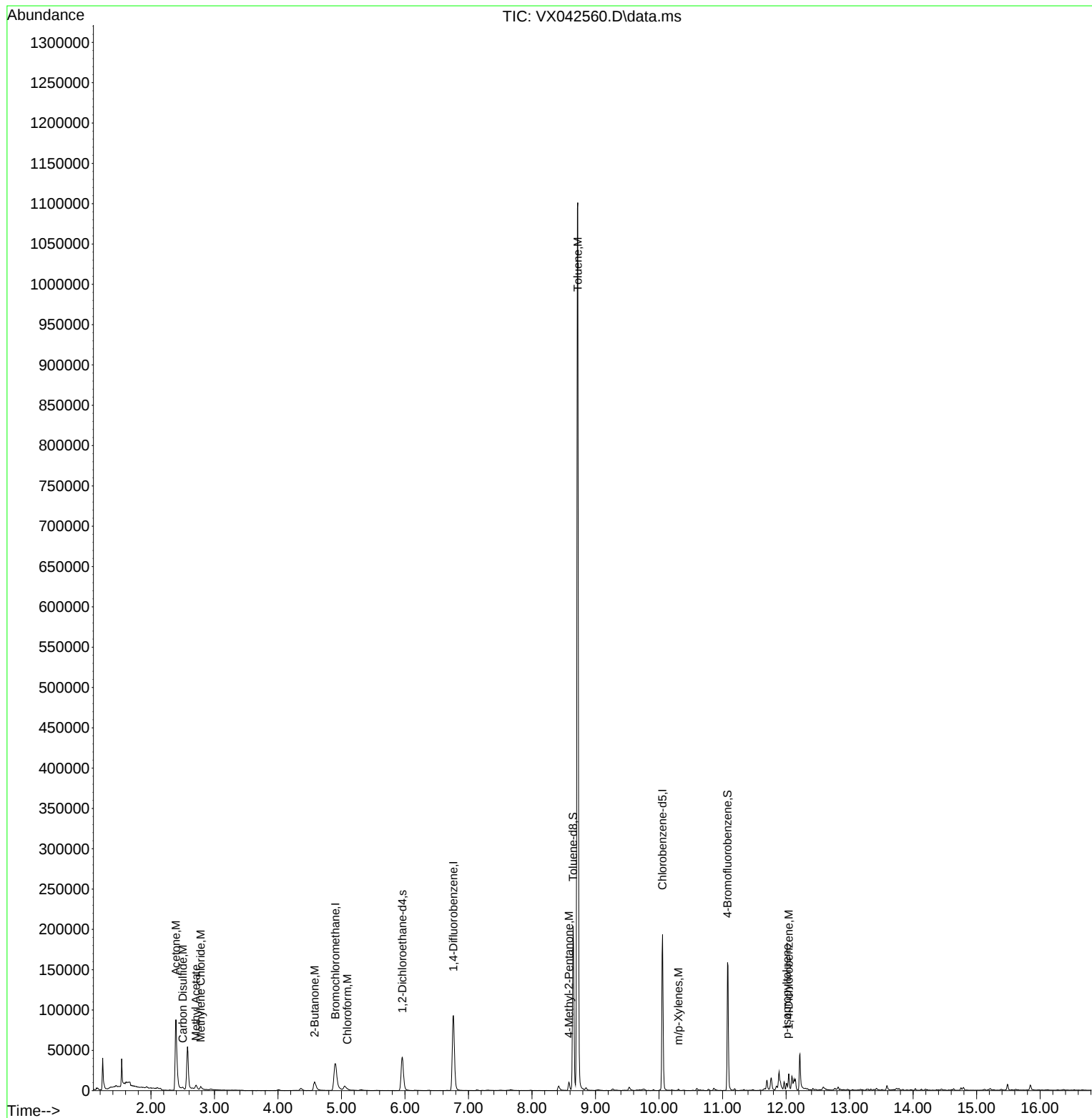
Internal Standards						
1) Bromochloromethane	4.904	128	18809	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	104520	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	96633	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	41336	30.681	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.267%
60) 4-Bromofluorobenzene	11.079	95	41804	27.804	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.667%
63) Toluene-d8	8.647	98	124149	29.575	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.567%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	5689	3.156	ug/l	91
15) Acetone	2.392	58	32022	159.044	ug/l	93
16) Carbon Disulfide	2.502	76	2854	1.316	ug/l #	91
18) Methylene Chloride	2.782	84	1829	1.460	ug/l	91
25) Chloroform	5.093	83	847	0.393	ug/l #	75
30) 2-Butanone	4.574	43	21202	23.300	ug/l #	94
58) 4-Methyl-2-Pentanone	8.580	43	6532	3.835	ug/l	99
62) Toluene	8.720	91	750509	155.347	ug/l	100
67) m/p-Xylenes	10.305	106	527	0.250	ug/l	97
82) p-Isopropyltoluene	12.012	119	4041	0.829	ug/l	94
84) 1,4-Dichlorobenzene	12.043	146	4202	1.543	ug/l	95

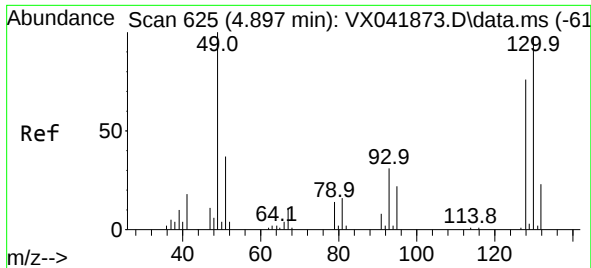
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 11:30:14 2024
Response via : Initial Calibration

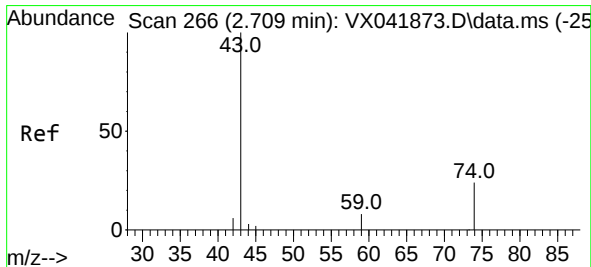
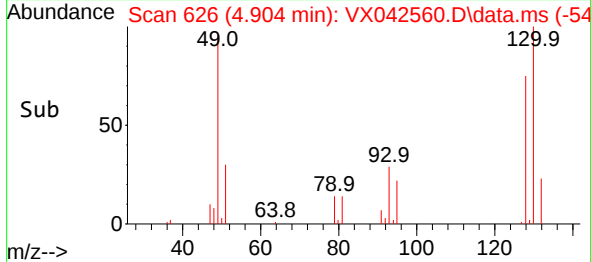
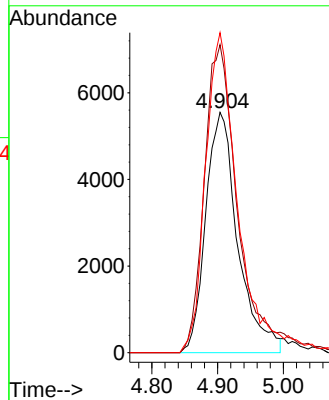
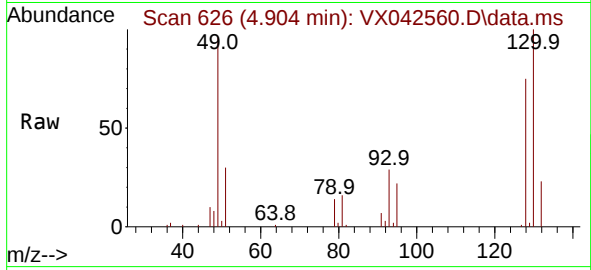




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

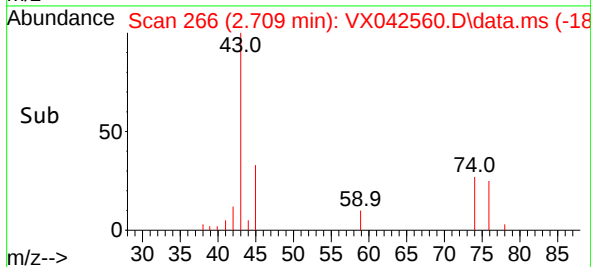
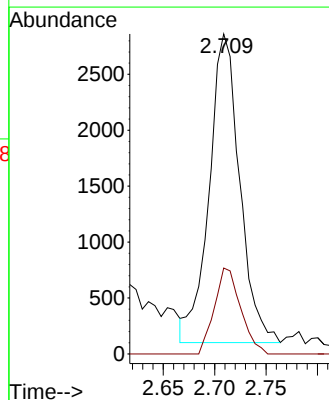
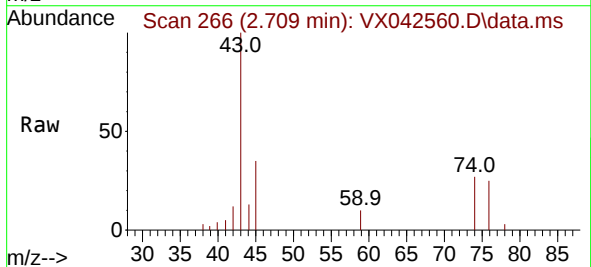
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-BLVD(JUNE

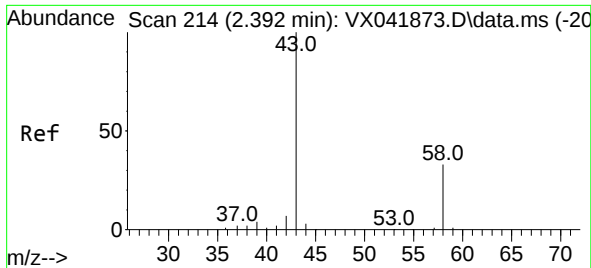
Tgt Ion:128 Resp: 18809
Ion Ratio Lower Upper
128 100
49 130.2 0.0 338.5
130 125.7 0.0 324.5



#12
Methyl Acetate
Concen: 3.156 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

Tgt Ion: 43 Resp: 5689
Ion Ratio Lower Upper
43 100
74 29.0 19.4 29.2

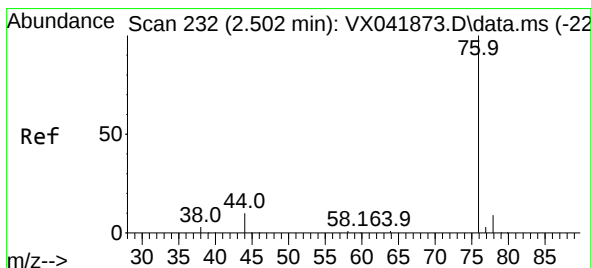
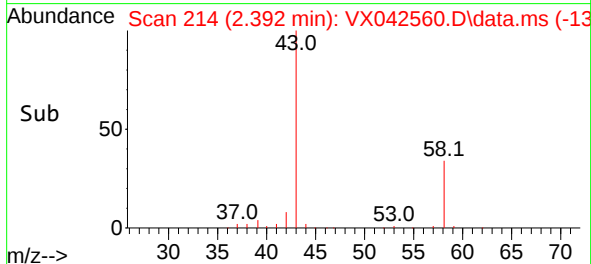
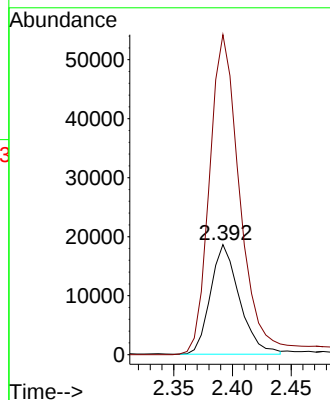
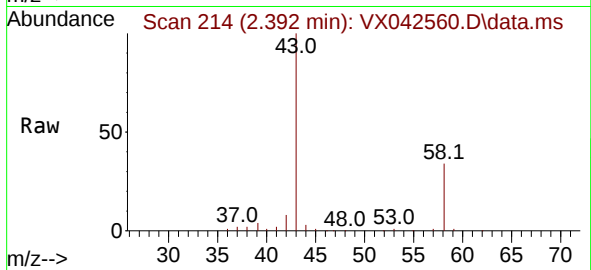




#15
Acetone
Concen: 159.044 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

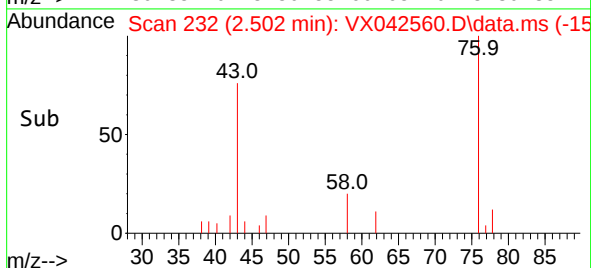
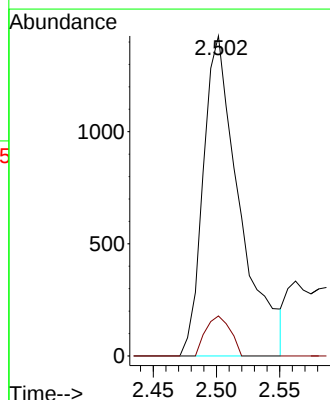
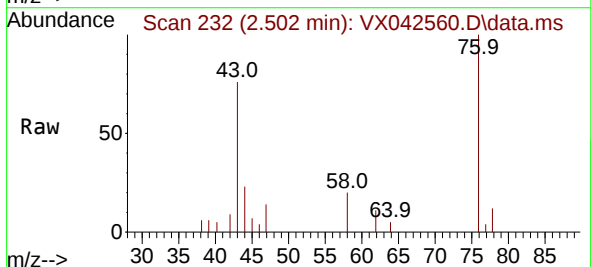
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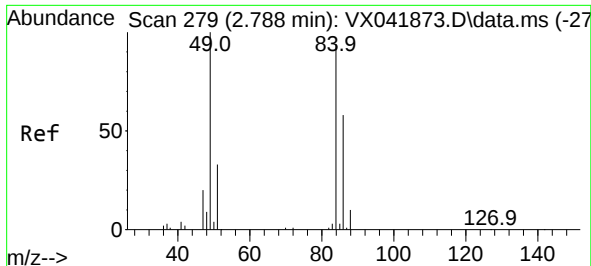
Tgt Ion: 58 Resp: 32022
Ion Ratio Lower Upper
58 100
43 291.0 243.4 365.2



#16
Carbon Disulfide
Concen: 1.316 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

Tgt Ion: 76 Resp: 2854
Ion Ratio Lower Upper
76 100
78 12.5 7.3 10.9#

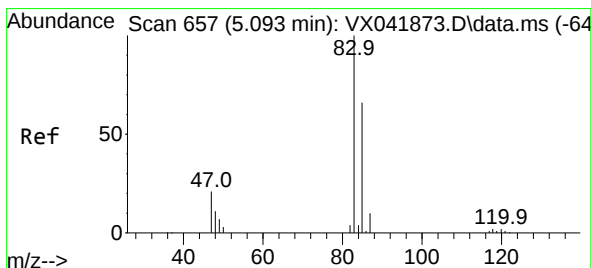
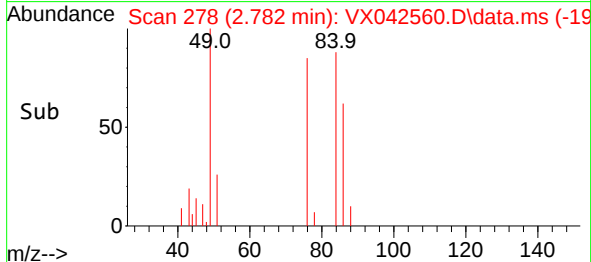
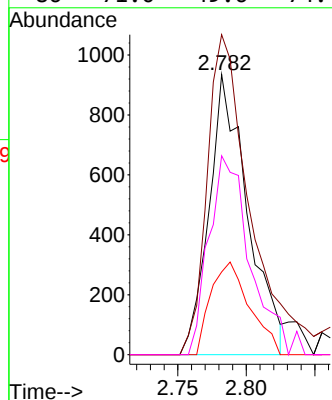
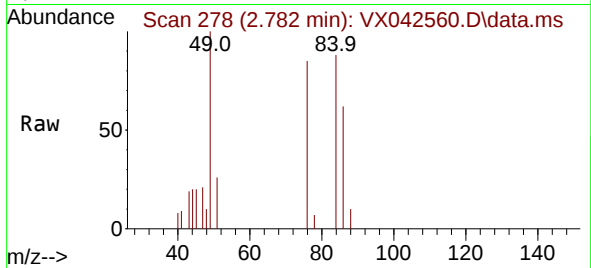




#18
Methylene Chloride
Concen: 1.460 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

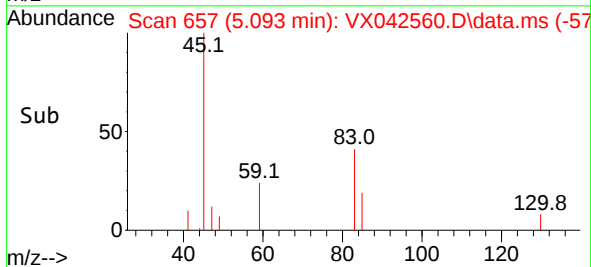
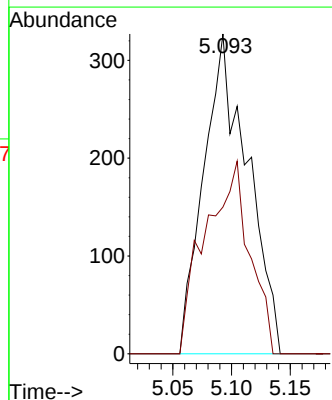
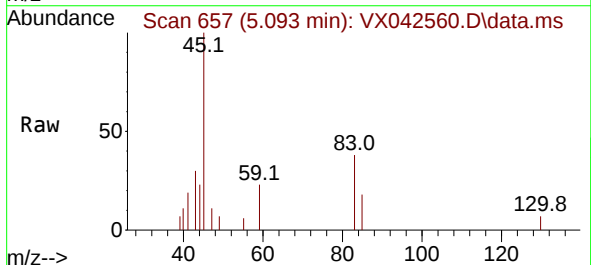
Instrument :
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ClientSampleId :
001-WILLETS-BLVD(JUNE

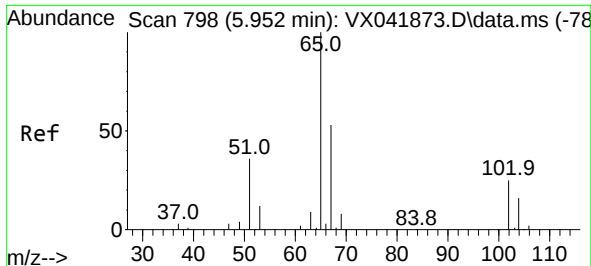
Tgt Ion: 84	Resp: 1829
Ion Ratio	Lower Upper
84 100	
49 114.2	85.3 127.9
51 29.5	28.5 42.7
86 71.0	49.6 74.4



#25
Chloroform
Concen: 0.393 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

Tgt Ion: 83	Resp: 847		
Ion Ratio	Lower	Upper	
83 100			
85 45.9	52.7	79.1#	





#27

1,2-Dichloroethane-d4

Concen: 30.681 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX042560.D

Acq: 25 Jul 2024 11:57

Instrument :

MSVOA_X

ClientSampleId :

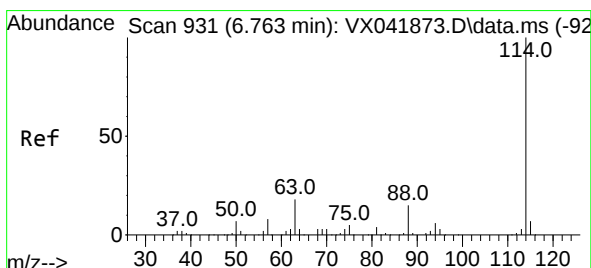
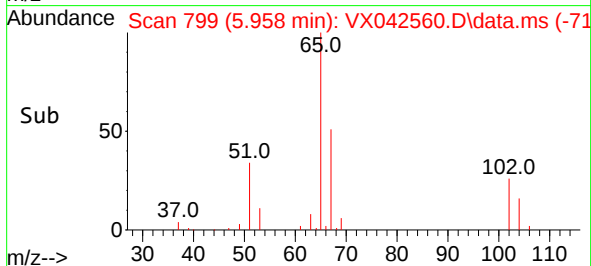
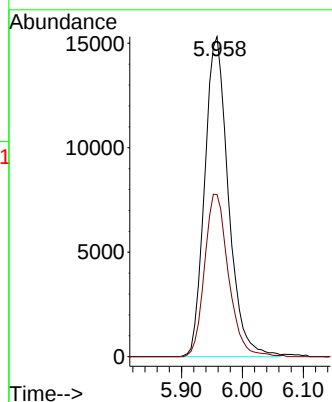
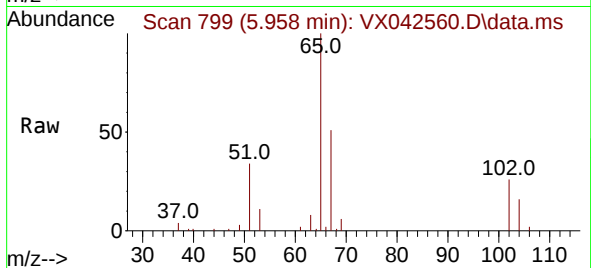
001-WILLETS-BLVD(JUNE

Tgt Ion: 65 Resp: 41336

Ion Ratio Lower Upper

65 100

67 51.3 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042560.D

Acq: 25 Jul 2024 11:57

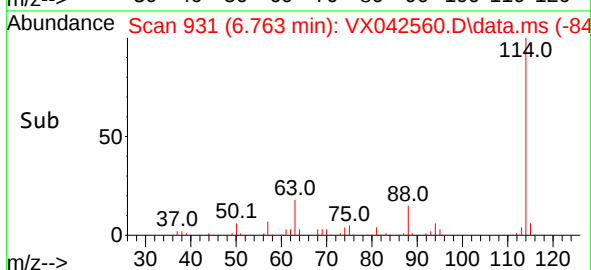
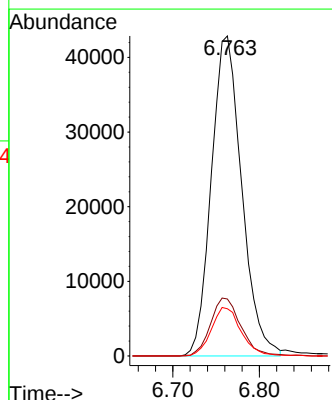
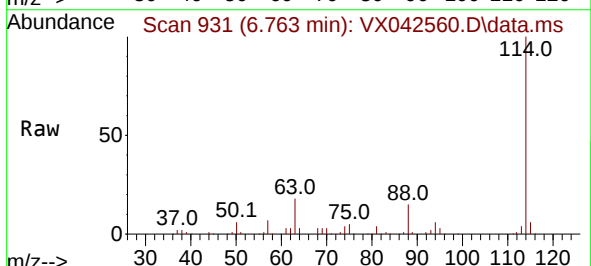
Tgt Ion: 114 Resp: 104520

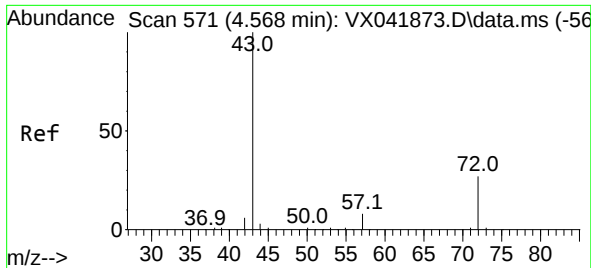
Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

88 14.8 11.8 17.8

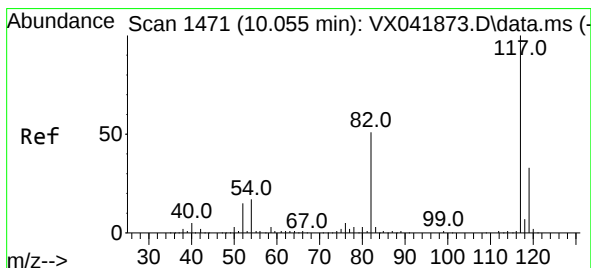
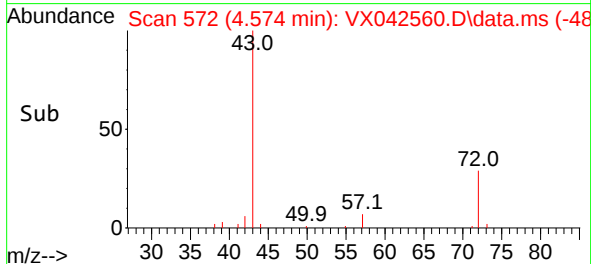
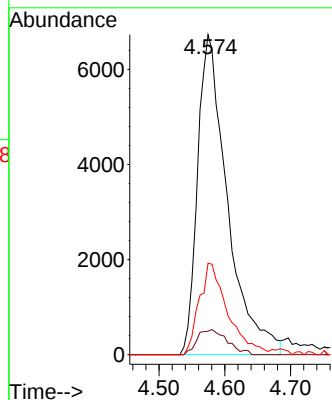
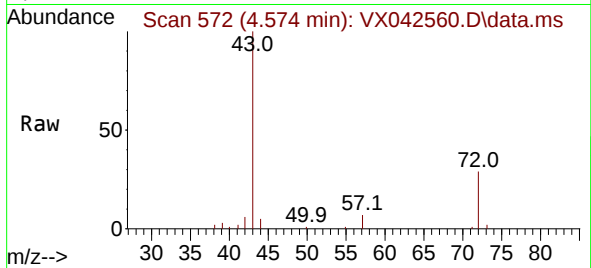




#30
2-Butanone
Concen: 23.300 ug/l
RT: 4.574 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

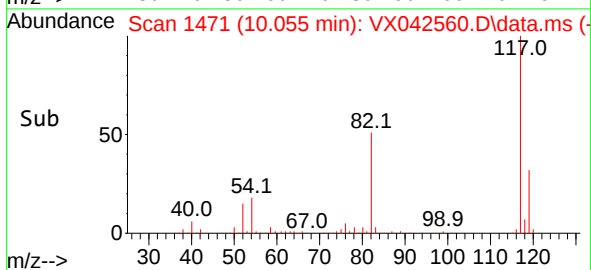
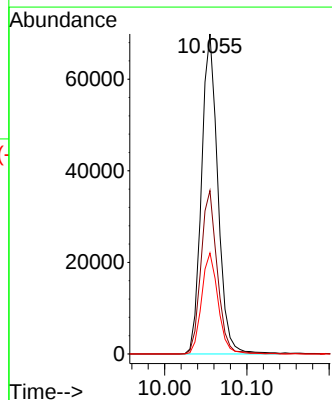
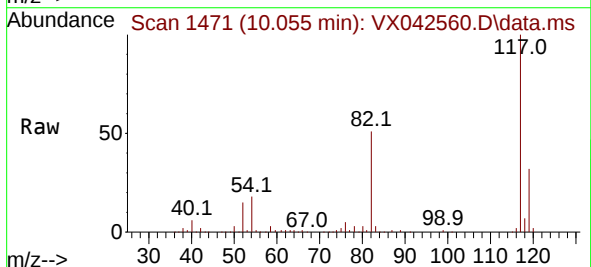
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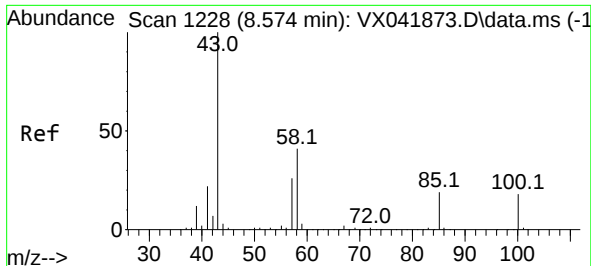
Tgt Ion: 43 Resp: 21202
Ion Ratio Lower Upper
43 100
57 0.0 6.5 9.7#
72 27.3 22.0 33.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

Tgt Ion: 117 Resp: 96633
Ion Ratio Lower Upper
117 100
82 50.4 41.1 61.7
119 31.7 26.1 39.1

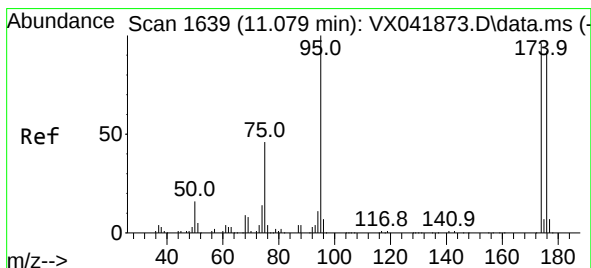
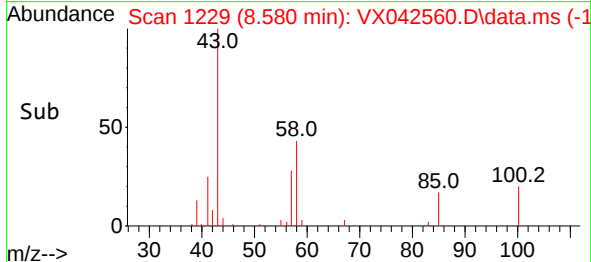
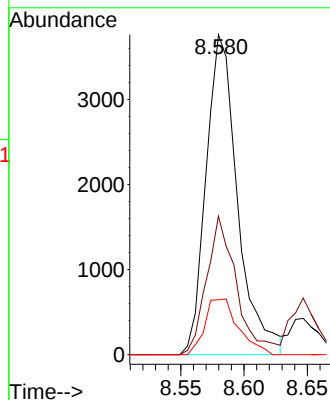
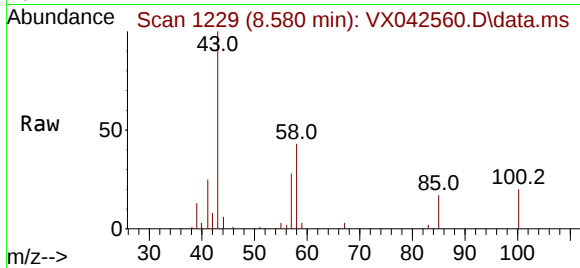




#58
4-Methyl-2-Pentanone
Concen: 3.835 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

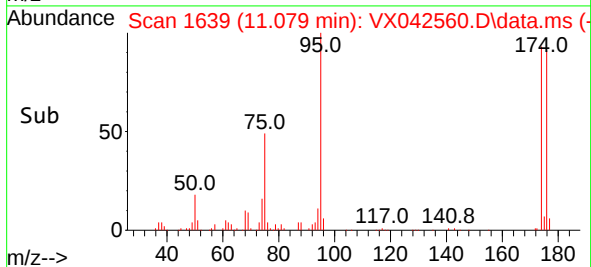
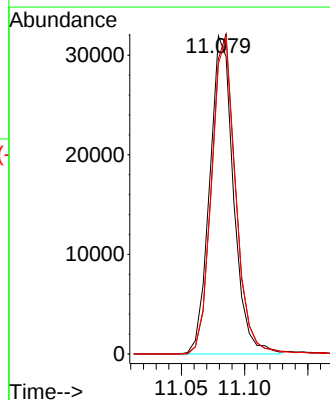
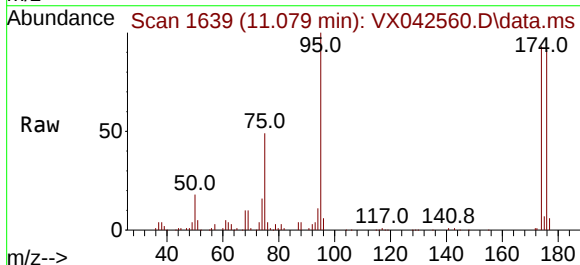
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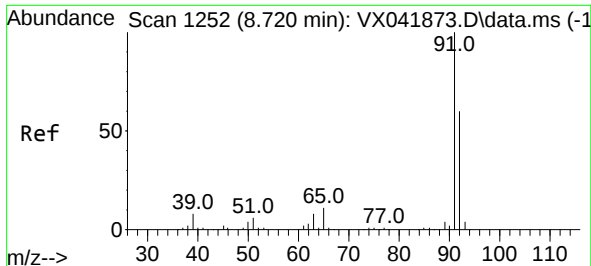
Tgt Ion:	43	Resp:	6532
Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.2	49.8
85	18.5	15.5	23.3



#60
4-Bromofluorobenzene
Concen: 27.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

Tgt Ion:	95	Resp:	41804
Ion	Ratio	Lower	Upper
95	100		
174	100.9	78.9	118.3
176	100.0	77.1	115.7

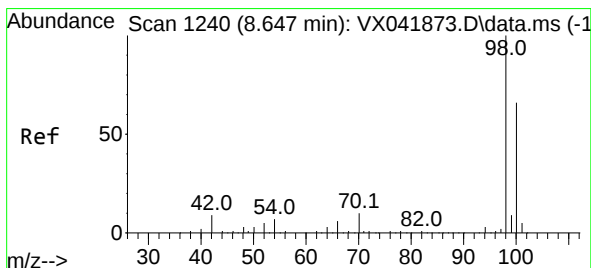
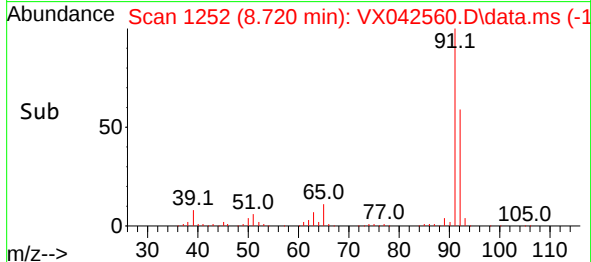
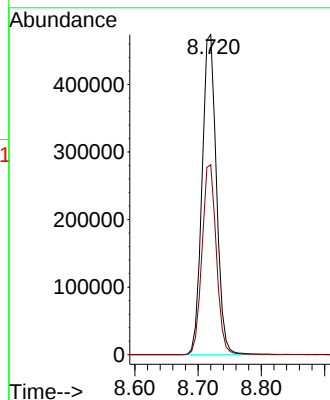
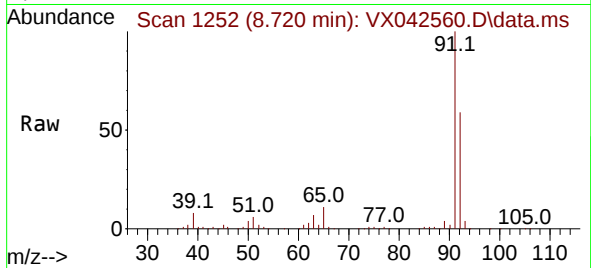




#62
Toluene
Concen: 155.347 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

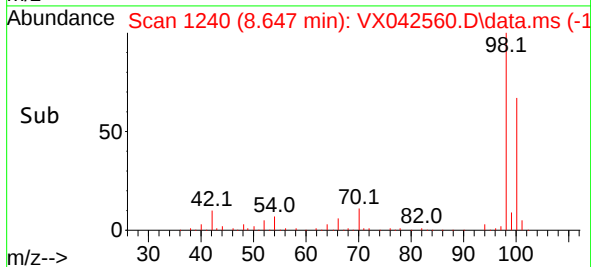
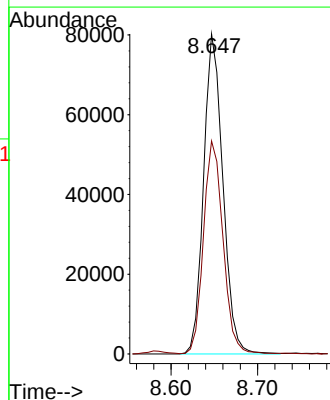
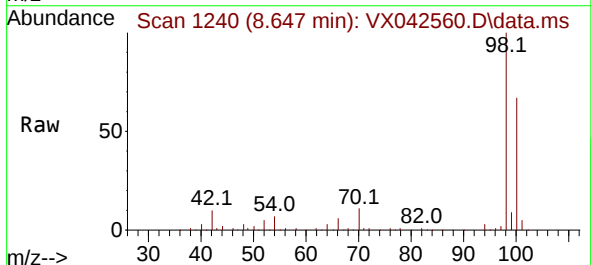
Instrument :
MSVOA_X
ClientSampleId :
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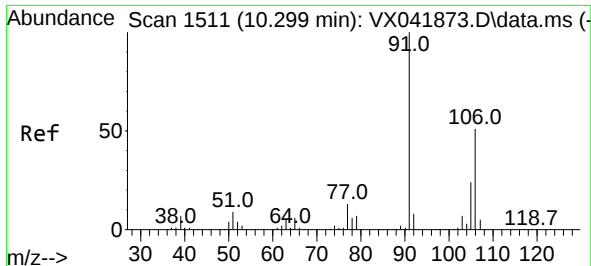
Tgt Ion: 91 Resp: 750509
Ion Ratio Lower Upper
91 100
92 59.2 47.4 71.2



#63
Toluene-d8
Concen: 29.575 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042560.D
Acq: 25 Jul 2024 11:57

Tgt Ion: 98 Resp: 124149
Ion Ratio Lower Upper
98 100
100 67.5 52.7 79.1





#67

m/p-Xylenes

Concen: 0.250 ug/l

RT: 10.305 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042560.D

Acq: 25 Jul 2024 11:57

Instrument :

MSVOA_X

ClientSampleId :

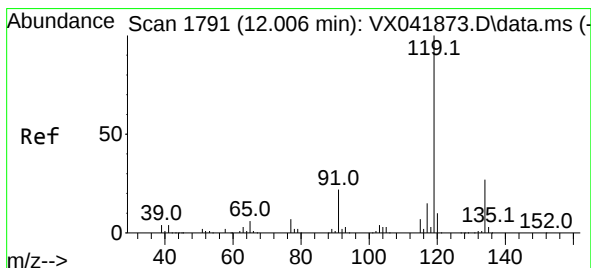
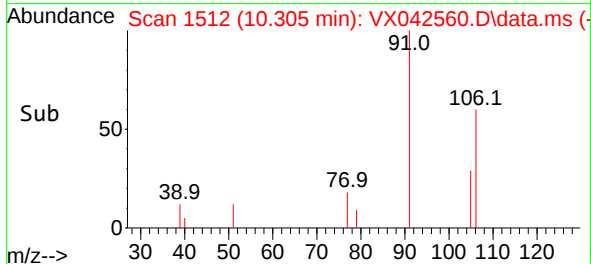
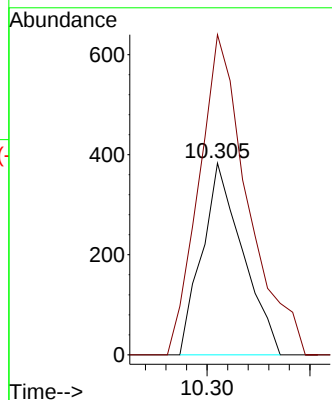
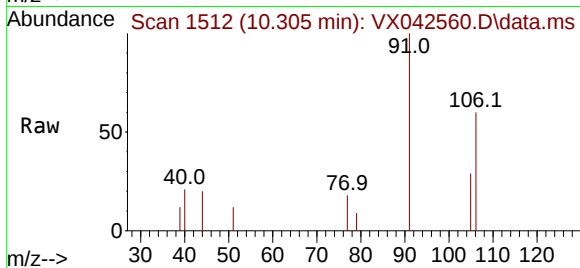
001-WILLETS-BLVD(JUNE

Tgt Ion:106 Resp: 527

Ion Ratio Lower Upper

106 100

91 200.2 157.0 235.6



#82

p-Isopropyltoluene

Concen: 0.829 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX042560.D

Acq: 25 Jul 2024 11:57

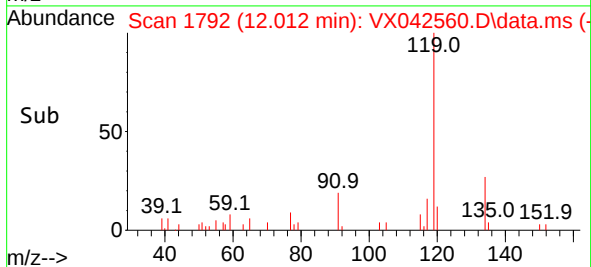
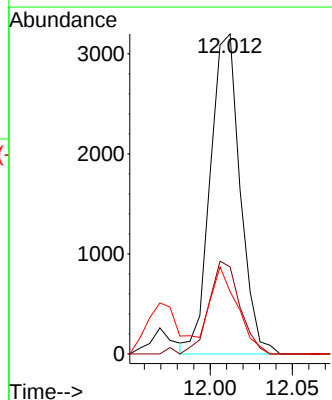
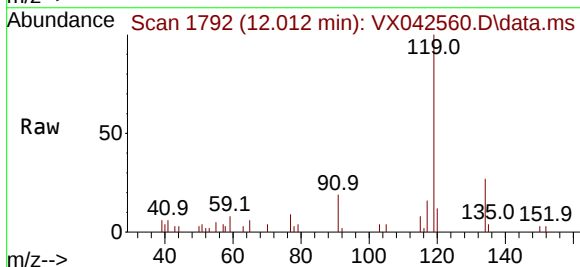
Tgt Ion:119 Resp: 4041

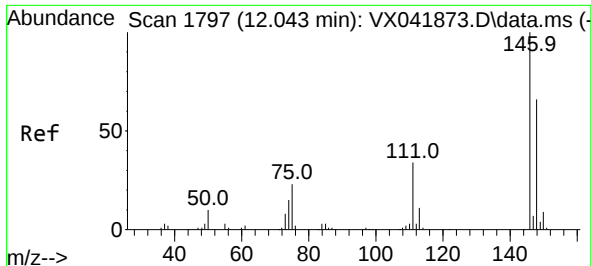
Ion Ratio Lower Upper

119 100

134 29.7 0.0 54.0

91 24.4 0.0 42.2





#84

1,4-Dichlorobenzene

Concen: 1.543 ug/l

RT: 12.043 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042560.D

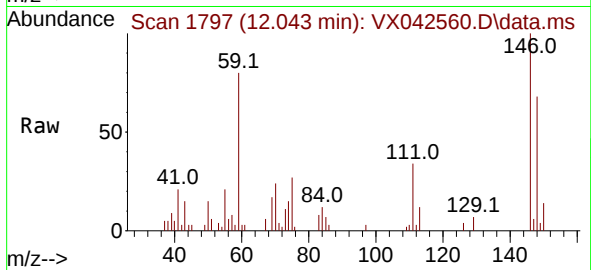
Acq: 25 Jul 2024 11:57

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-BLVD(JUNE



Tgt Ion:146 Resp: 4202

Ion Ratio Lower Upper

146 100

111 38.1 17.4 52.3

148 68.2 32.3 96.9

