

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041785.D
 Acq On : 07 Jun 2024 13:04
 Operator : JC/MD
 Sample : P2751-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jun 08 04:05:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

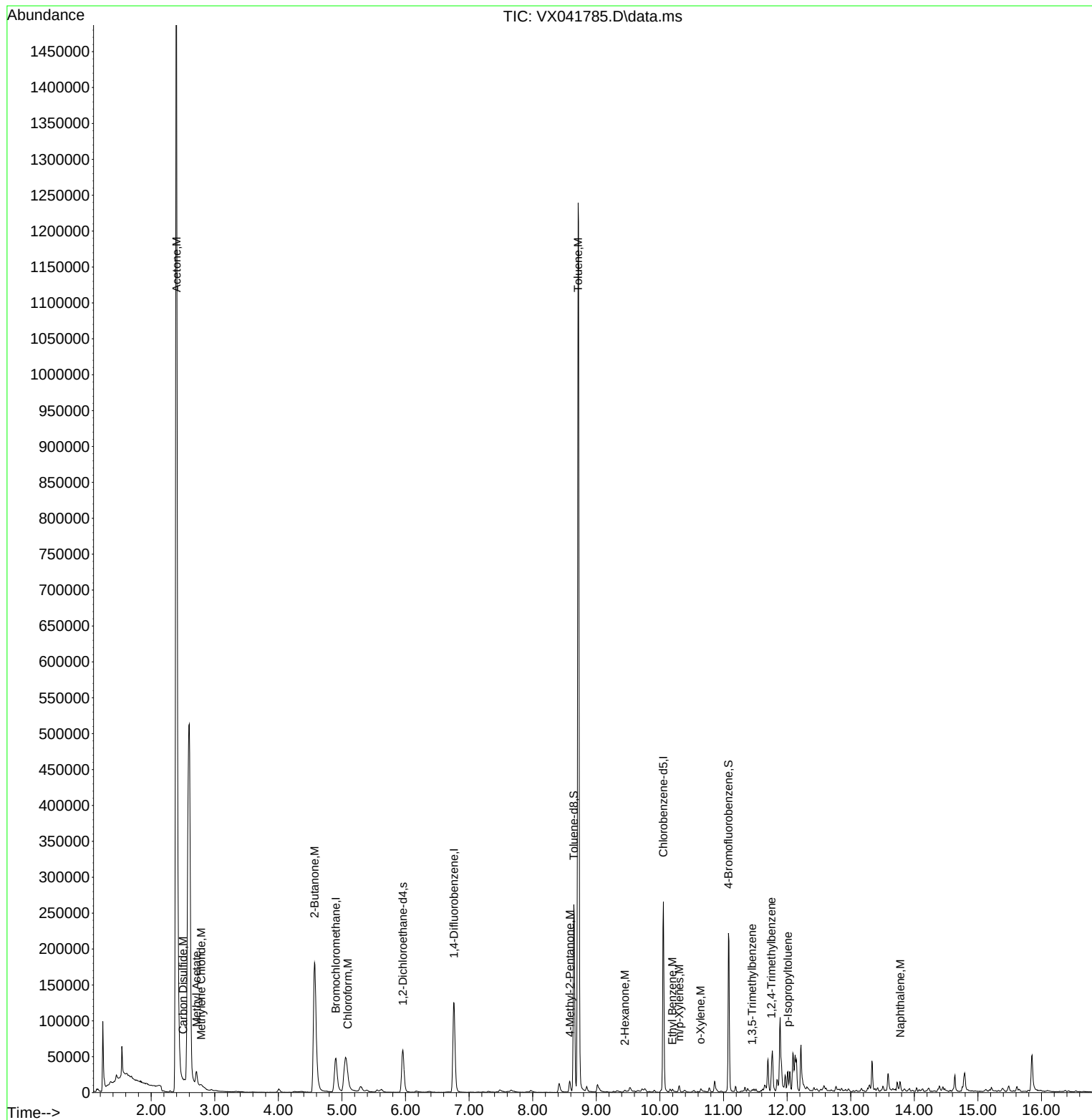
Internal Standards						
1) Bromochloromethane	4.904	128	23394	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	134423	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	121734	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	58298	31.645	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.467%	
60) 4-Bromofluorobenzene	11.079	95	56520	29.742	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.133%	
63) Toluene-d8	8.647	98	156658	30.021	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.067%	
Target Compounds						Qvalue
12) Methyl Acetate	2.715	43	23405	12.984	ug/l	99
15) Acetone	2.398	58	587233	2765.445	ug/l	93
16) Carbon Disulfide	2.502	76	2685	0.994	ug/l #	89
18) Methylene Chloride	2.788	84	875	0.615	ug/l #	74
25) Chloroform	5.093	83	3391	1.271	ug/l	99
30) 2-Butanone	4.568	43	358696	303.911	ug/l	99
58) 4-Methyl-2-Pentanone	8.586	43	10226	4.597	ug/l	99
59) 2-Hexanone	9.451	43	1532	0.865	ug/l #	89
62) Toluene	8.714	91	796822	131.547	ug/l	100
66) Ethyl Benzene	10.195	91	2103	0.313	ug/l #	87
67) m/p-Xylenes	10.305	106	2348	0.893	ug/l	99
68) o-Xylene	10.640	106	1090	0.412	ug/l	92
76) 1,3,5-Trimethylbenzene	11.451	105	1403	0.246	ug/l	100
80) 1,2,4-Trimethylbenzene	11.756	105	10280	1.796	ug/l	68
82) p-Isopropyltoluene	12.012	119	10254	1.649	ug/l	98
91) Naphthalene	13.780	128	7565	1.047	ug/l	98

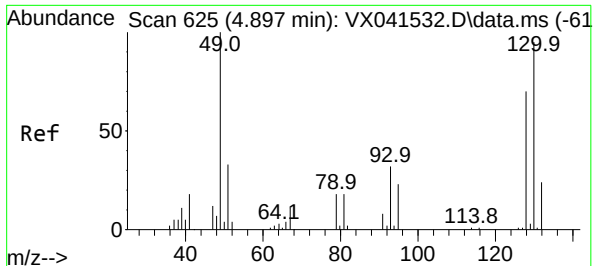
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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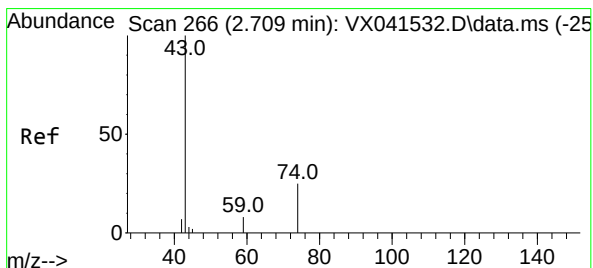
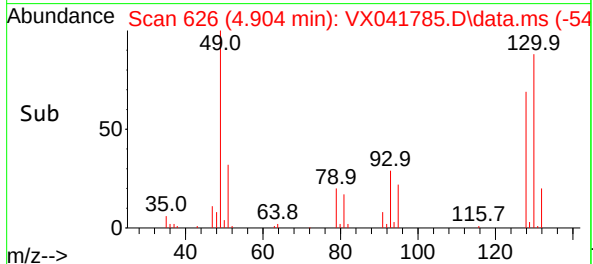
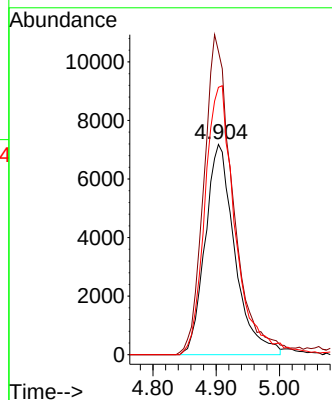
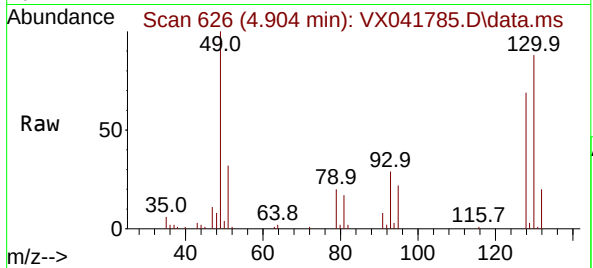




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

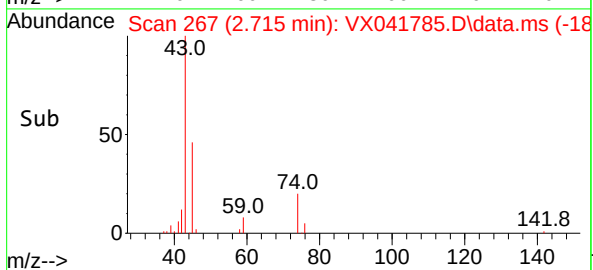
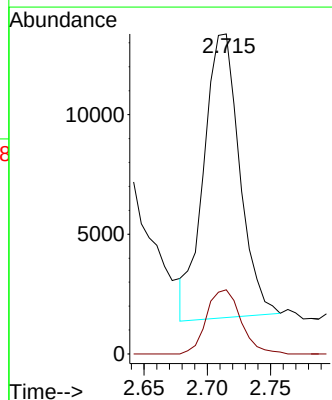
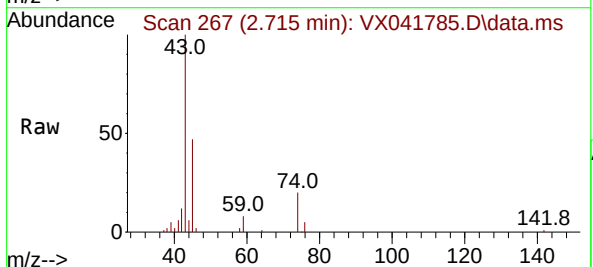
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUN)

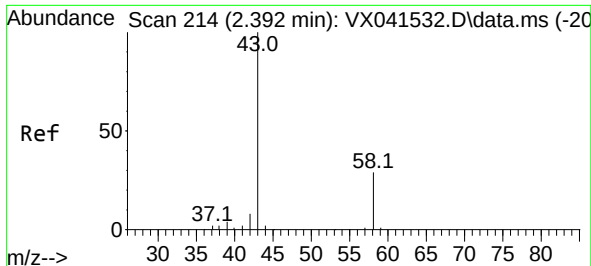
Tgt Ion:128 Resp: 23394
Ion Ratio Lower Upper
128 100
49 149.4 0.0 361.5
130 128.3 0.0 324.3



#12
Methyl Acetate
Concen: 12.984 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

Tgt Ion: 43 Resp: 23405
Ion Ratio Lower Upper
43 100
74 24.2 19.9 29.9





#15

Acetone

Concen: 2765.445 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX041785.D

Acq: 07 Jun 2024 13:04

Instrument :

MSVOA_X

ClientSampleId :

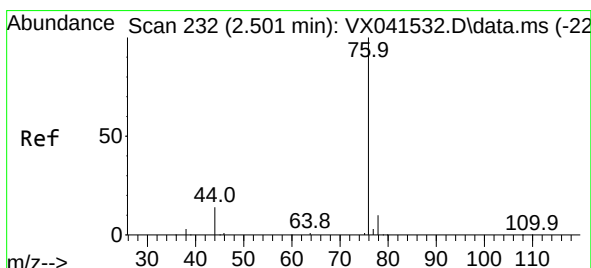
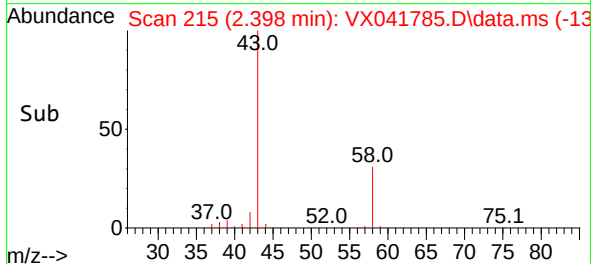
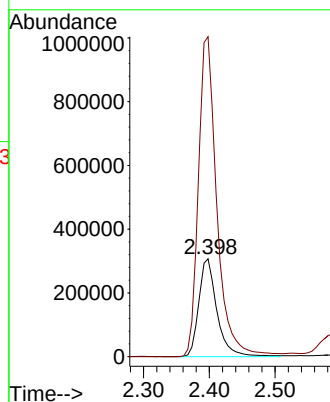
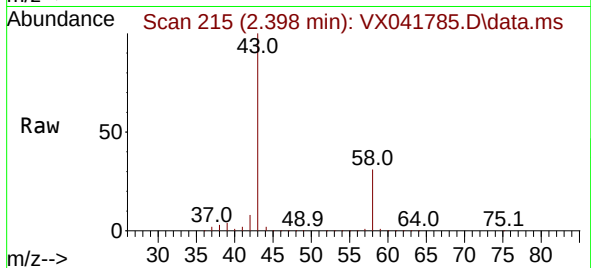
001-WILLETS-PT-BLVD(JUN)

Tgt Ion: 58 Resp: 587233

Ion Ratio Lower Upper

58 100

43 327.1 274.0 411.0



#16

Carbon Disulfide

Concen: 0.994 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX041785.D

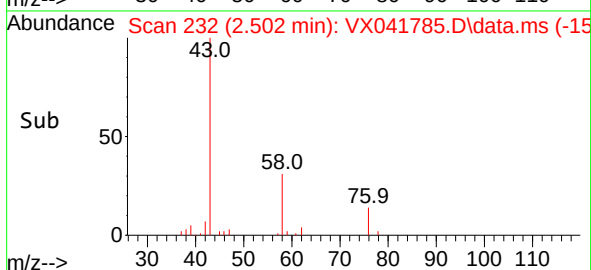
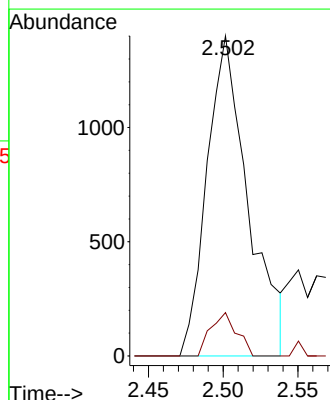
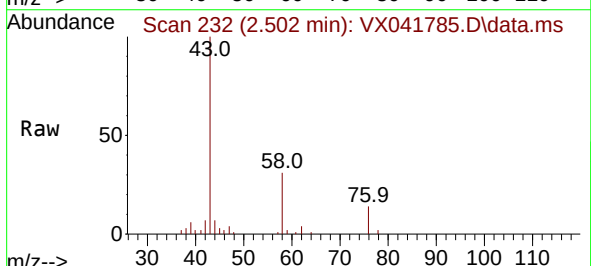
Acq: 07 Jun 2024 13:04

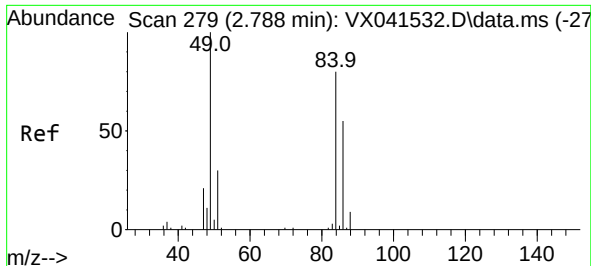
Tgt Ion: 76 Resp: 2685

Ion Ratio Lower Upper

76 100

78 13.6 7.6 11.4#

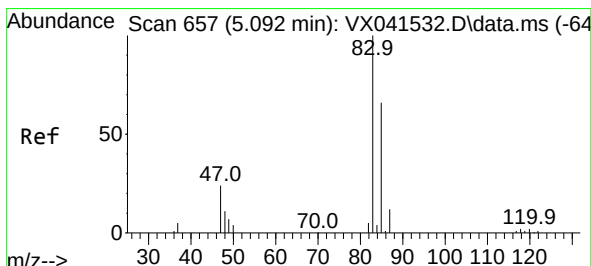
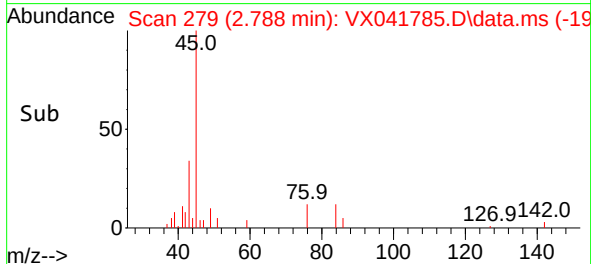
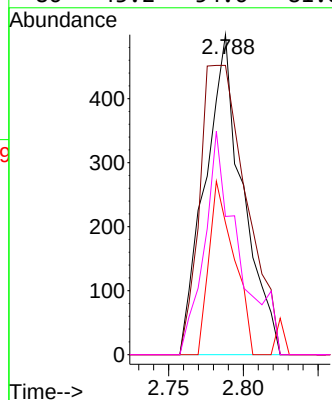
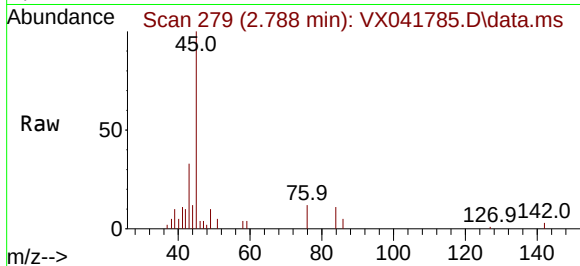




#18
Methylene Chloride
Concen: 0.615 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

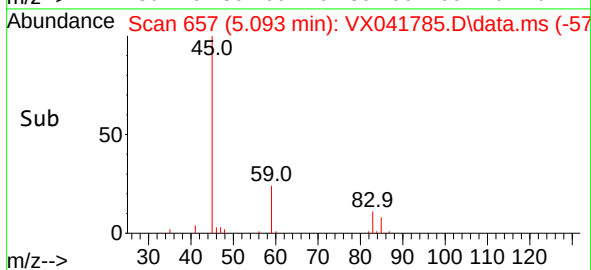
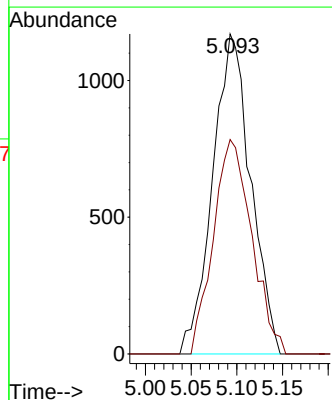
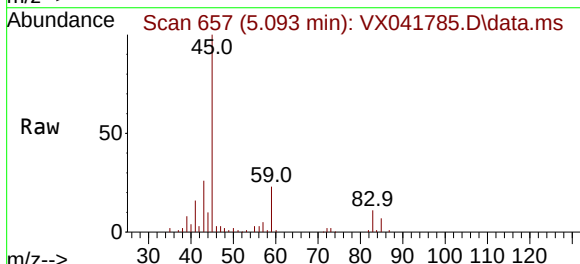
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(JUN)

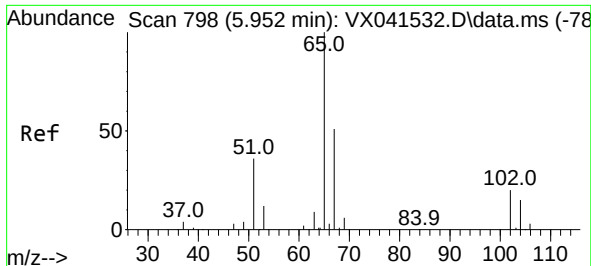
Tgt Ion:	84	Resp:	875
Ion	Ratio	Lower	Upper
84	100		
49	90.4	99.8	149.8#
51	41.2	30.2	45.4
86	43.2	54.6	81.8#



#25
Chloroform
Concen: 1.271 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

Tgt Ion:	83	Resp:	3391
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.9	79.3





#27

1,2-Dichloroethane-d4

Concen: 31.645 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041785.D

Acq: 07 Jun 2024 13:04

Instrument :

MSVOA_X

ClientSampleId :

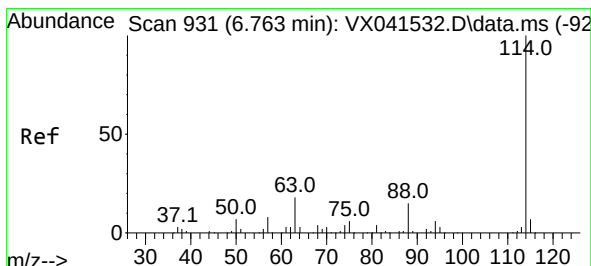
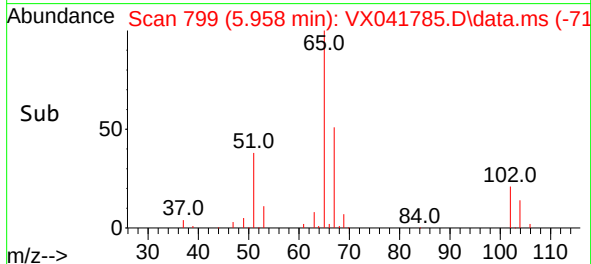
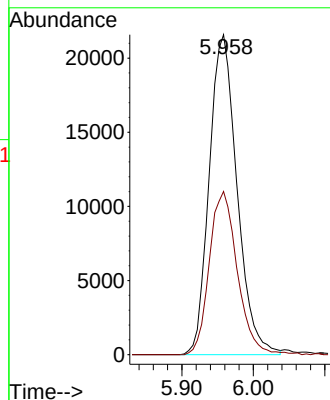
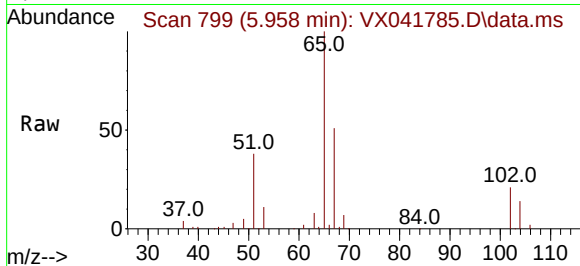
001-WILLETS-PT-BLVD(JUN)

Tgt Ion: 65 Resp: 58298

Ion Ratio Lower Upper

65 100

67 51.3 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041785.D

Acq: 07 Jun 2024 13:04

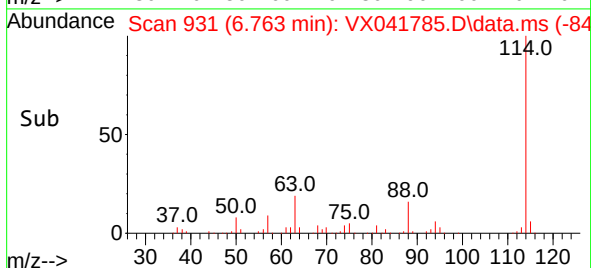
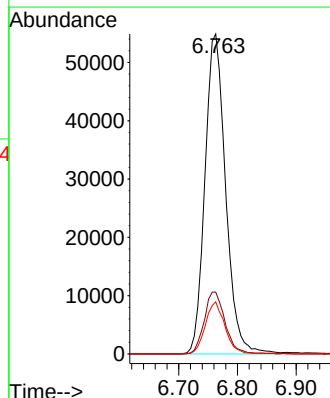
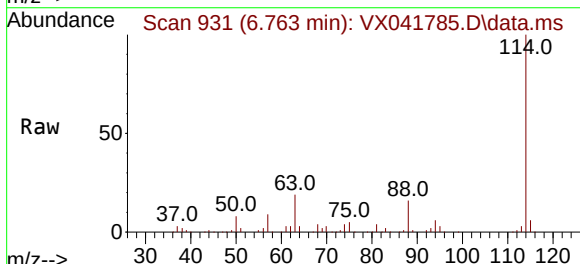
Tgt Ion: 114 Resp: 134423

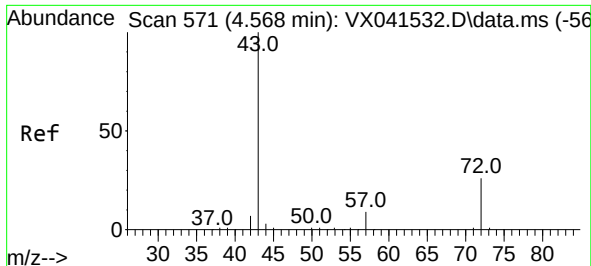
Ion Ratio Lower Upper

114 100

63 19.4 15.4 23.0

88 15.3 12.2 18.2

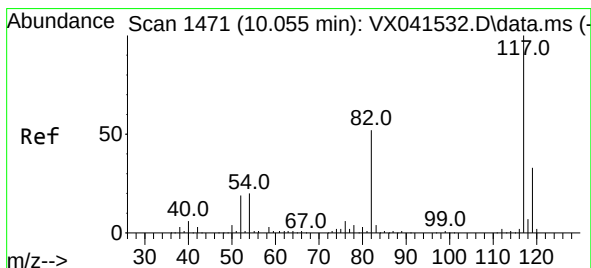
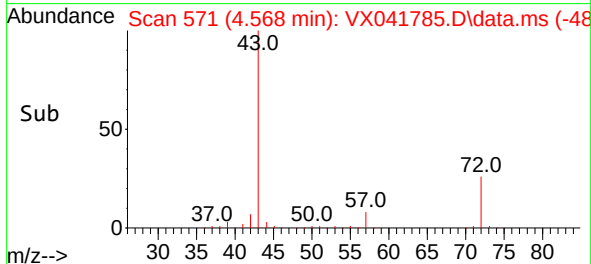
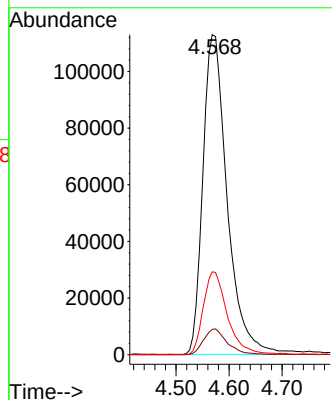
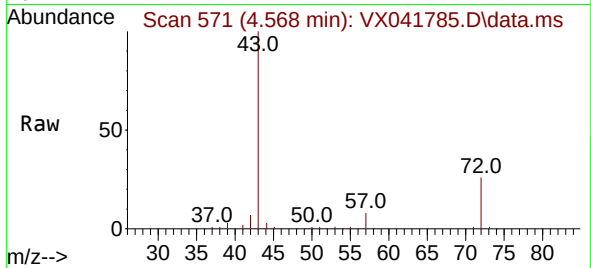




#30
2-Butanone
Concen: 303.911 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

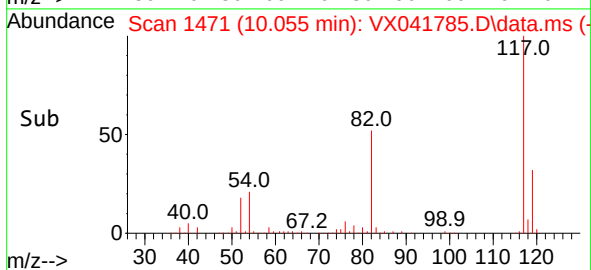
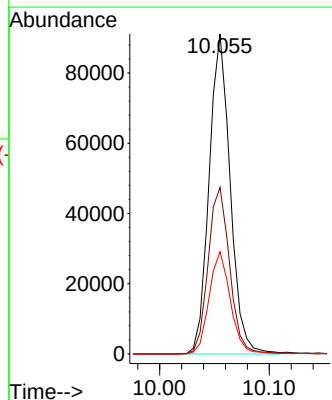
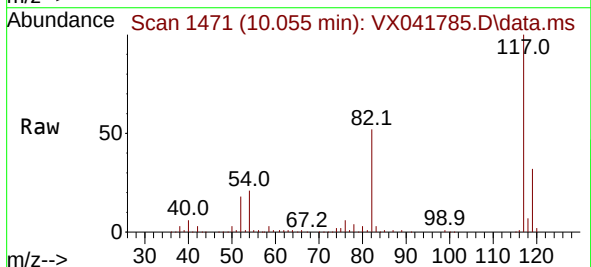
Instrument :
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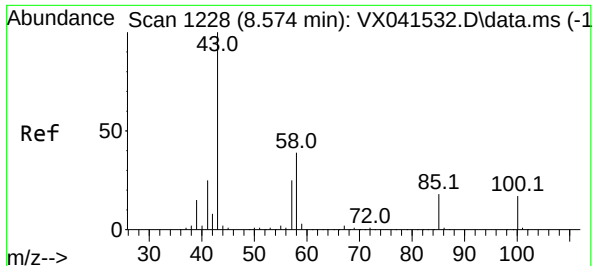
Tgt Ion: 43 Resp: 358696
Ion Ratio Lower Upper
43 100
57 7.8 6.6 10.0
72 25.6 20.7 31.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

Tgt Ion: 117 Resp: 121734
Ion Ratio Lower Upper
117 100
82 52.6 41.7 62.5
119 32.3 25.7 38.5





#58

4-Methyl-2-Pentanone

Concen: 4.597 ug/l

RT: 8.586 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX041785.D

Acq: 07 Jun 2024 13:04

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUN)

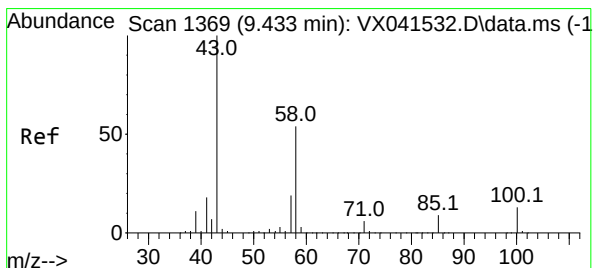
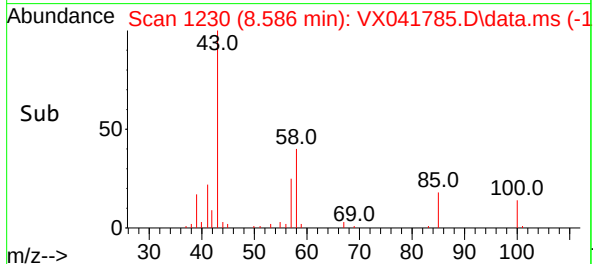
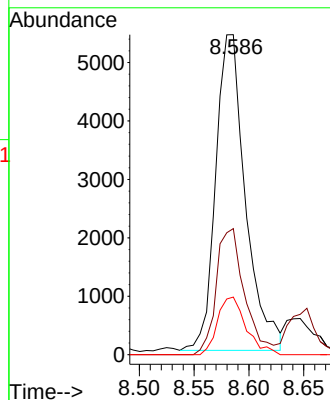
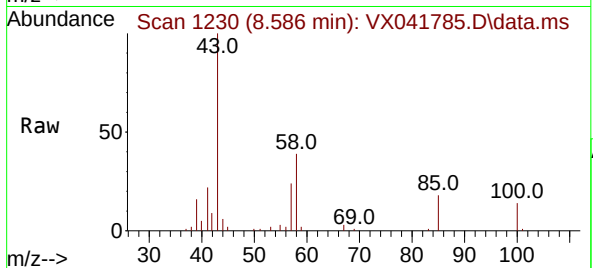
Tgt Ion: 43 Resp: 10226

Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.4

85 17.4 14.6 21.8



#59

2-Hexanone

Concen: 0.865 ug/l

RT: 9.451 min Scan# 1372

Delta R.T. 0.018 min

Lab File: VX041785.D

Acq: 07 Jun 2024 13:04

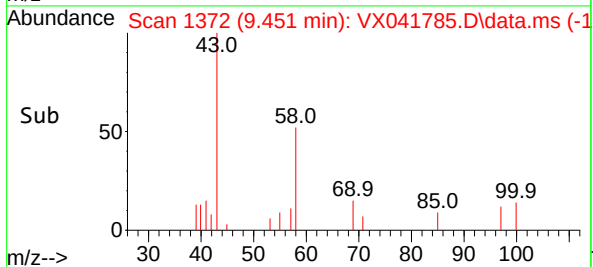
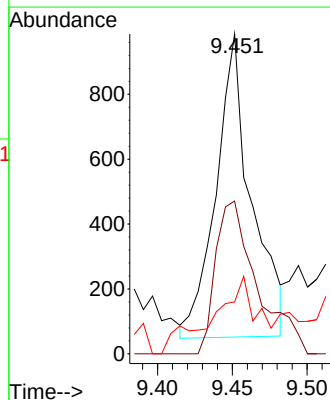
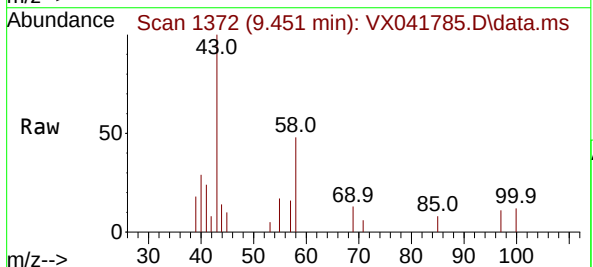
Tgt Ion: 43 Resp: 1532

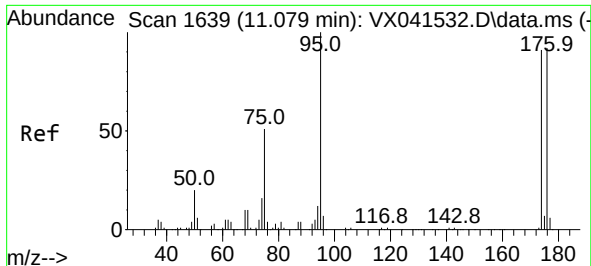
Ion Ratio Lower Upper

43 100

58 59.3 42.3 63.5

57 25.8 15.1 22.7#

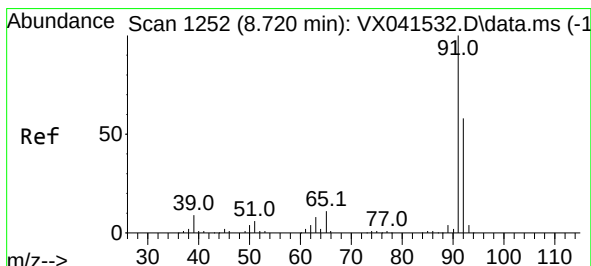
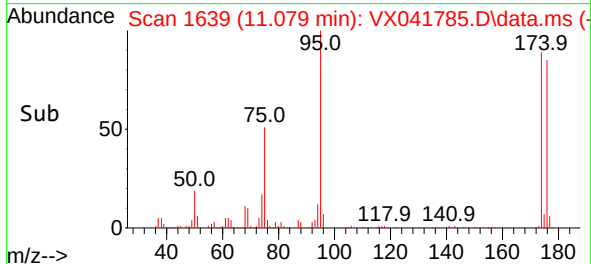
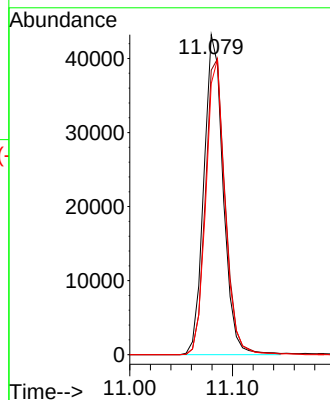
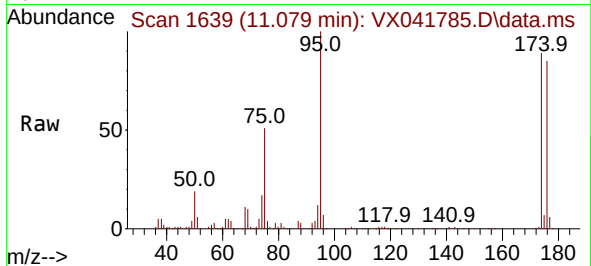




#60
4-Bromofluorobenzene
Concen: 29.742 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

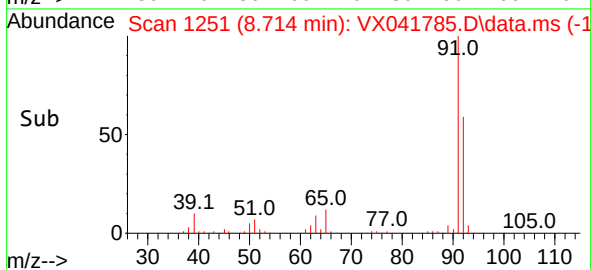
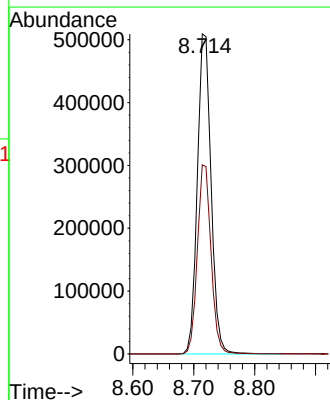
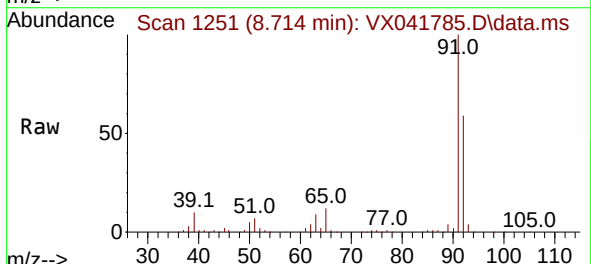
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001-WILLETS-PT-BLVD(JUN)

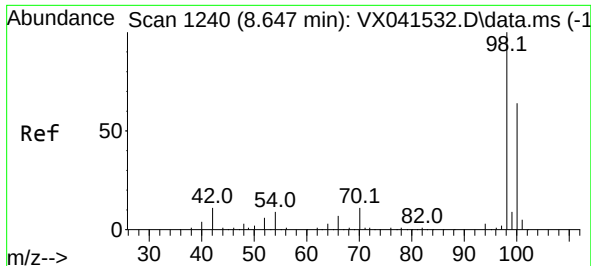
Tgt Ion: 95 Resp: 56520
Ion Ratio Lower Upper
95 100
174 94.9 76.6 115.0
176 91.1 75.4 113.0



#62
Toluene
Concen: 131.547 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

Tgt Ion: 91 Resp: 796822
Ion Ratio Lower Upper
91 100
92 58.9 47.0 70.6





#63

Toluene-d8

Concen: 30.021 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041785.D

Acq: 07 Jun 2024 13:04

Instrument :

MSVOA_X

ClientSampleId :

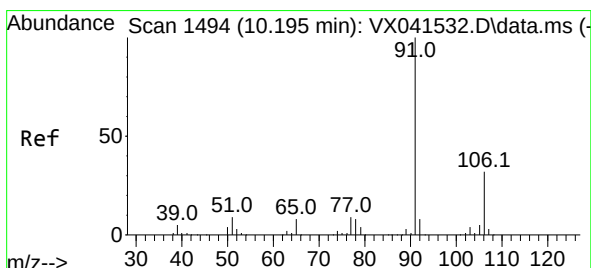
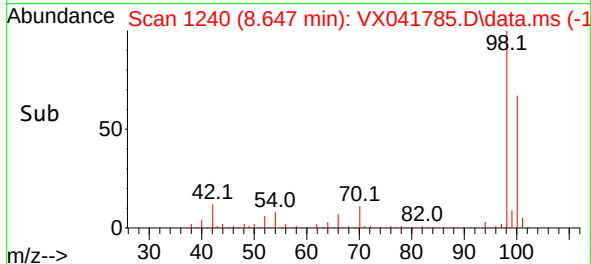
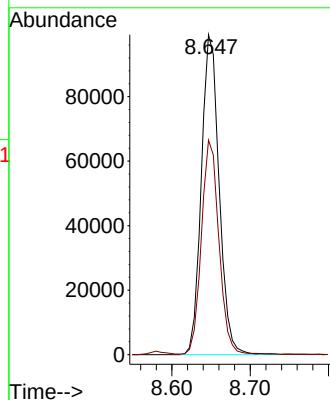
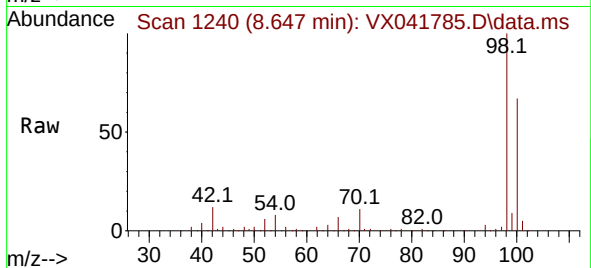
001-WILLETS-PT-BLVD(JUN)

Tgt Ion: 98 Resp: 156658

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7



#66

Ethyl Benzene

Concen: 0.313 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX041785.D

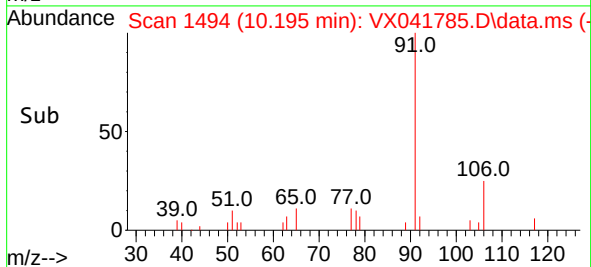
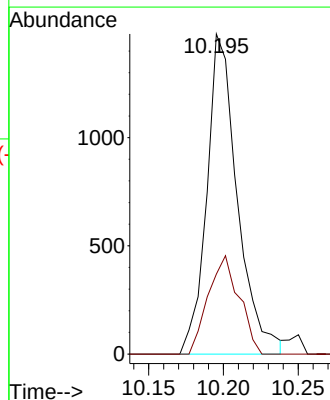
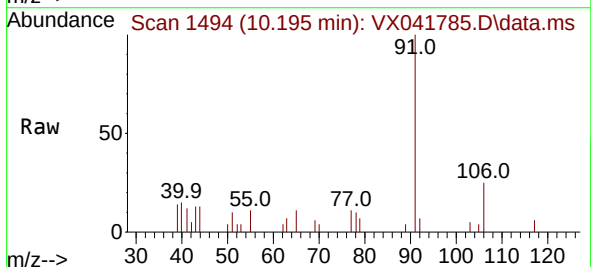
Acq: 07 Jun 2024 13:04

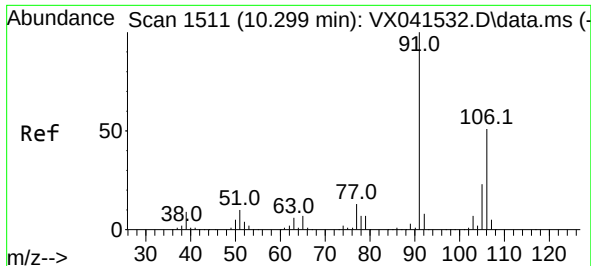
Tgt Ion: 91 Resp: 2103

Ion Ratio Lower Upper

91 100

106 24.9 25.9 38.9#





#67

m/p-Xylenes

Concen: 0.893 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041785.D

Acq: 07 Jun 2024 13:04

Instrument :

MSVOA_X

ClientSampleId :

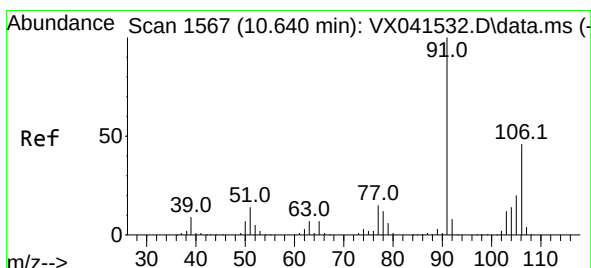
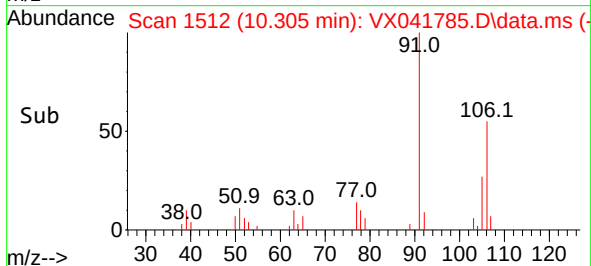
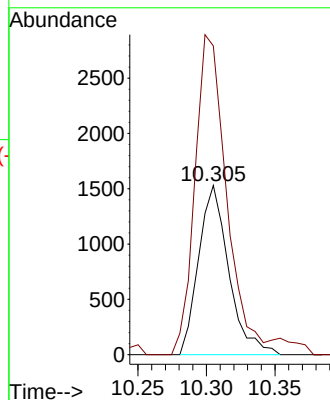
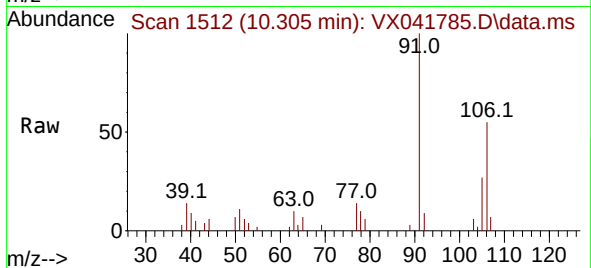
001-WILLETS-PT-BLVD(JUN)

Tgt Ion:106 Resp: 2348

Ion Ratio Lower Upper

106 100

91 196.7 156.5 234.7



#68

o-Xylene

Concen: 0.412 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX041785.D

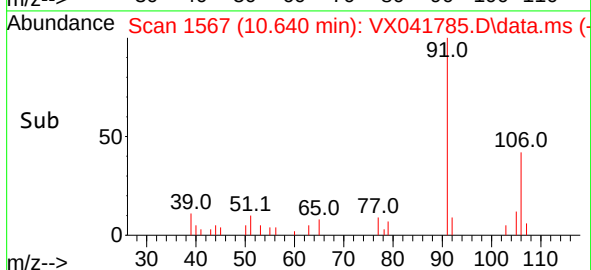
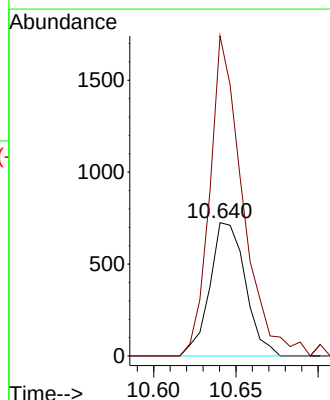
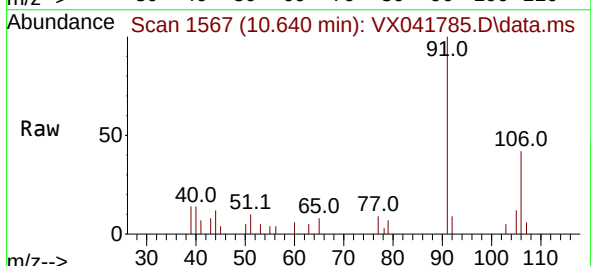
Acq: 07 Jun 2024 13:04

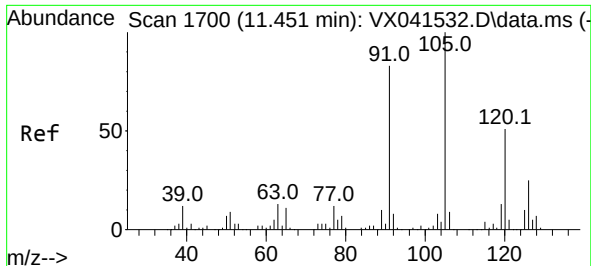
Tgt Ion:106 Resp: 1090

Ion Ratio Lower Upper

106 100

91 222.2 105.2 315.6

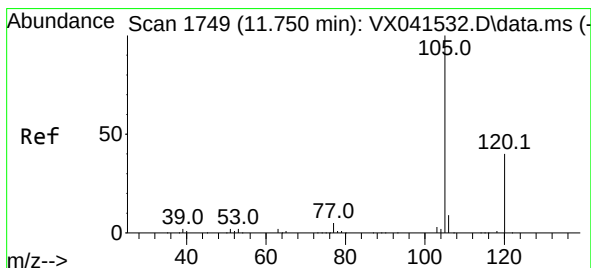
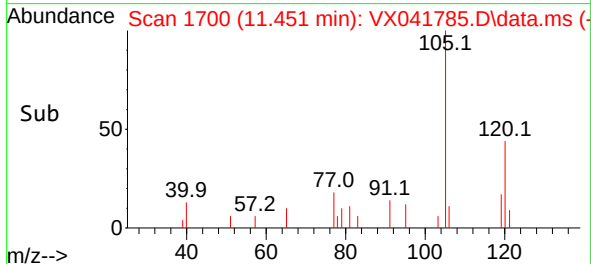
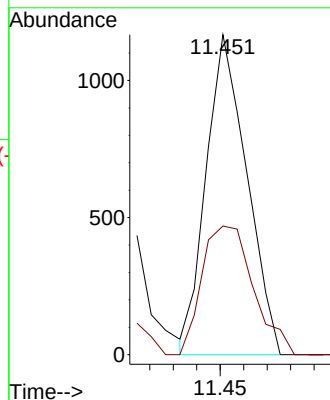
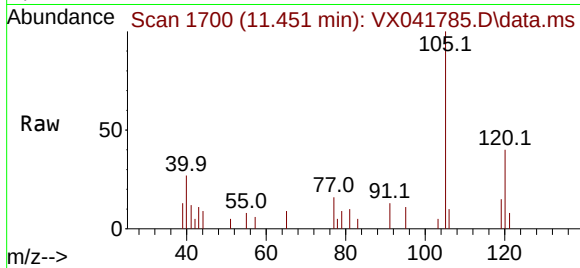




#76
 1,3,5-Trimethylbenzene
 Concen: 0.246 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX041785.D
 Acq: 07 Jun 2024 13:04

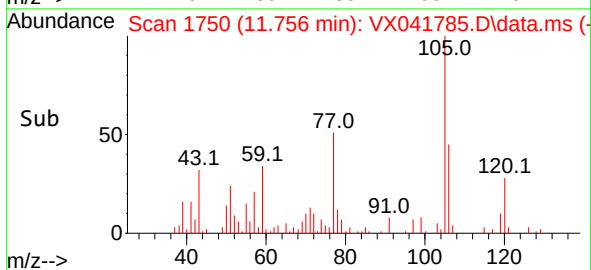
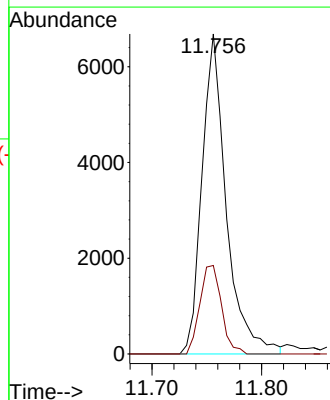
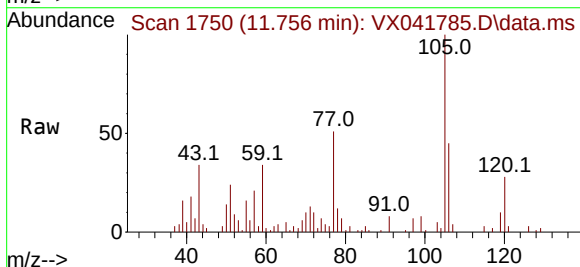
Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUN)

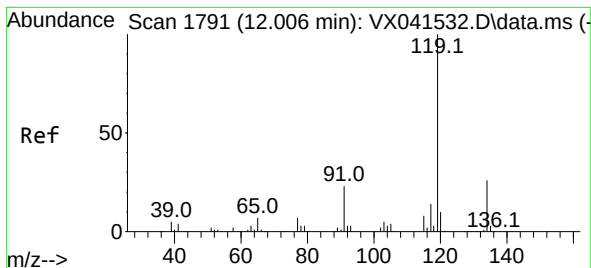
Tgt Ion:105 Resp: 1403
 Ion Ratio Lower Upper
 105 100
 120 51.0 0.0 102.6



#80
 1,2,4-Trimethylbenzene
 Concen: 1.796 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX041785.D
 Acq: 07 Jun 2024 13:04

Tgt Ion:105 Resp: 10280
 Ion Ratio Lower Upper
 105 100
 120 24.6 0.0 92.2

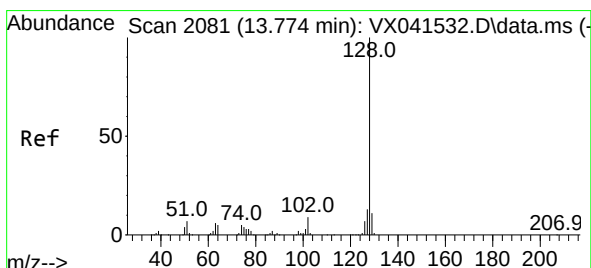
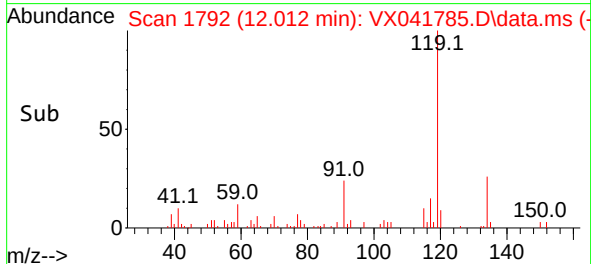
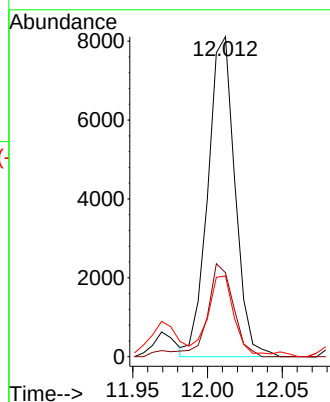
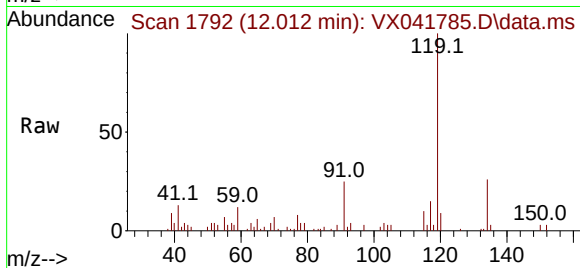




#82
p-Isopropyltoluene
Concen: 1.649 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.006 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	53.4
91	23.7	0.0	44.8



#91
Naphthalene
Concen: 1.047 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041785.D
Acq: 07 Jun 2024 13:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	11.1	8.8	13.2

