

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071924\
 Data File : VX042400.D
 Acq On : 19 Jul 2024 13:36
 Operator : JC/MD
 Sample : P3289-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 19 16:09:20 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)

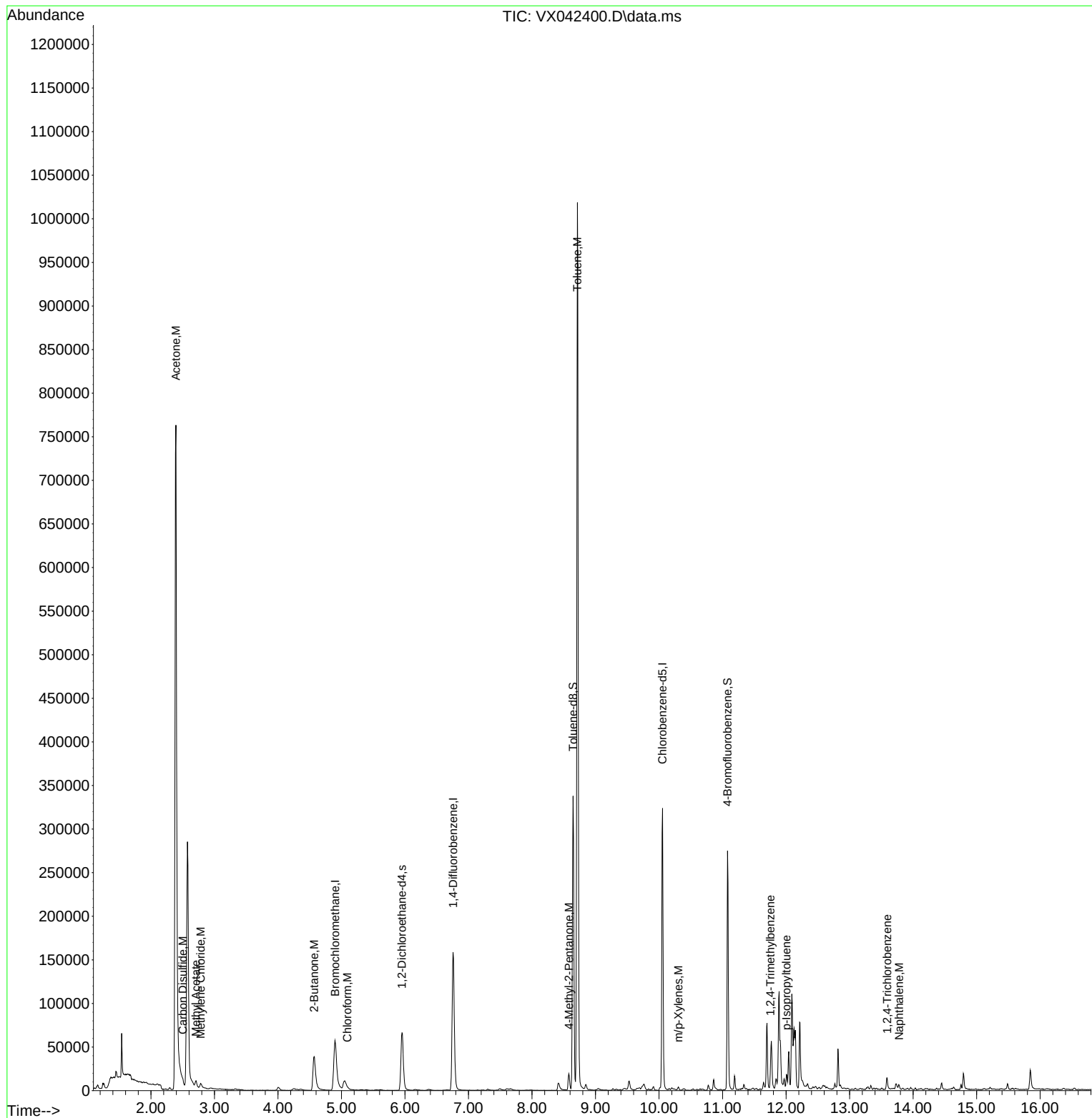
Internal Standards						
1) Bromochloromethane	4.898	128	30853	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	177448	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	161676	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	63562	28.761	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.867%
60) 4-Bromofluorobenzene	11.079	95	72519	28.829	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.100%
63) Toluene-d8	8.647	98	208909	29.745	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.167%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	9491	3.210	ug/l	95
15) Acetone	2.392	58	307597	931.366	ug/l	97
16) Carbon Disulfide	2.502	76	5564	1.565	ug/l	96
18) Methylene Chloride	2.782	84	3069	1.494	ug/l	93
25) Chloroform	5.093	83	977	0.276	ug/l	94
30) 2-Butanone	4.568	43	77479	50.152	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	12422	4.360	ug/l	98
62) Toluene	8.714	91	669182	82.789	ug/l	100
67) m/p-Xylenes	10.305	106	1135	0.322	ug/l	92
80) 1,2,4-Trimethylbenzene	11.756	105	5622	0.748	ug/l	48
82) p-Isopropyltoluene	12.006	119	6017	0.737	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	631	0.201	ug/l	92
91) Naphthalene	13.780	128	3659	0.391	ug/l	98

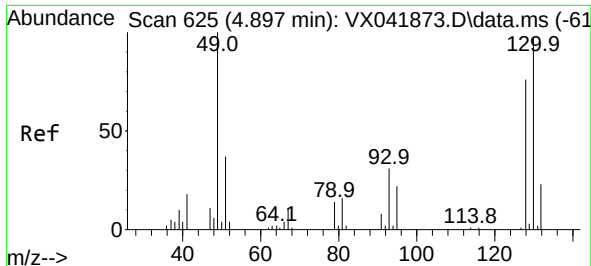
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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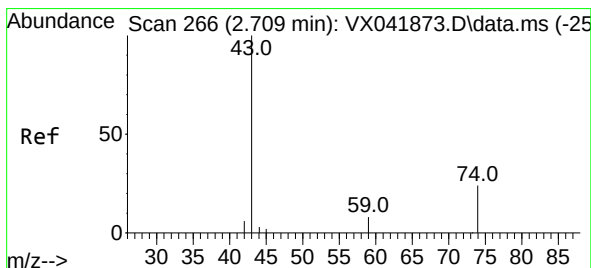
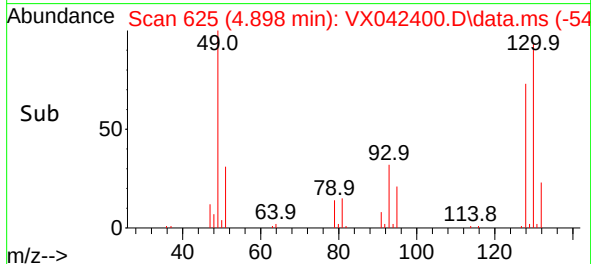
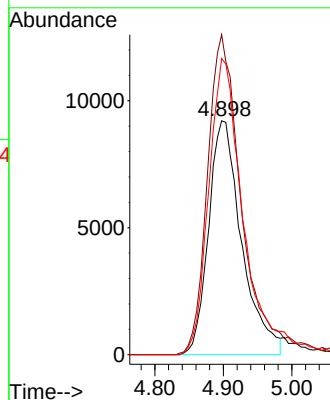
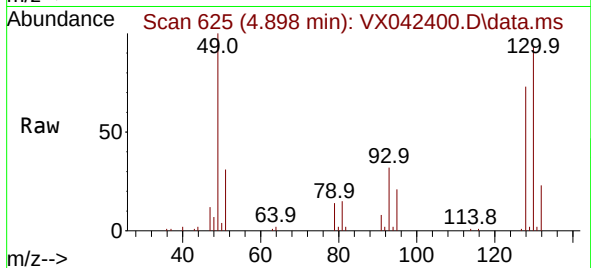




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

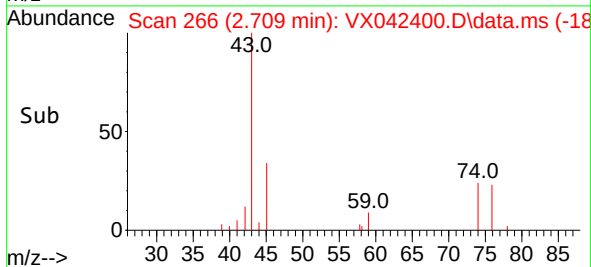
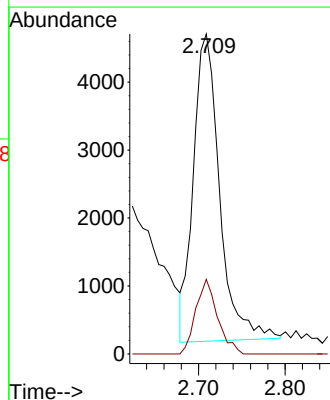
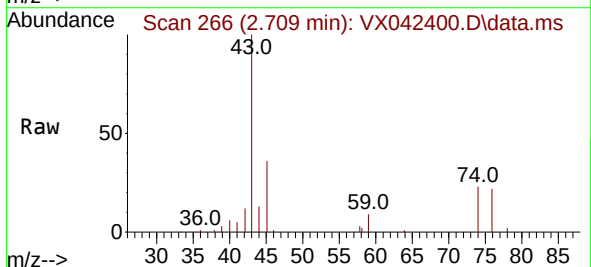
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

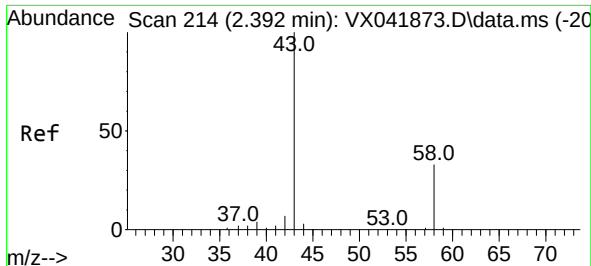
Tgt Ion:128 Resp: 30853
Ion Ratio Lower Upper
128 100
49 140.3 0.0 338.5
130 127.9 0.0 324.5



#12
Methyl Acetate
Concen: 3.210 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

Tgt Ion: 43 Resp: 9491
Ion Ratio Lower Upper
43 100
74 26.6 19.4 29.2

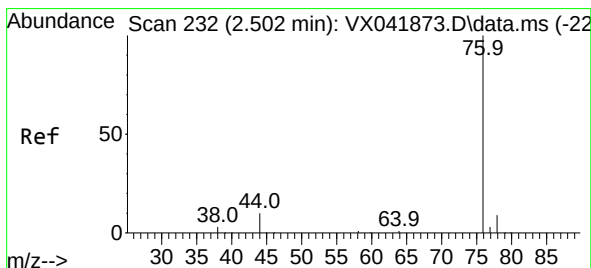
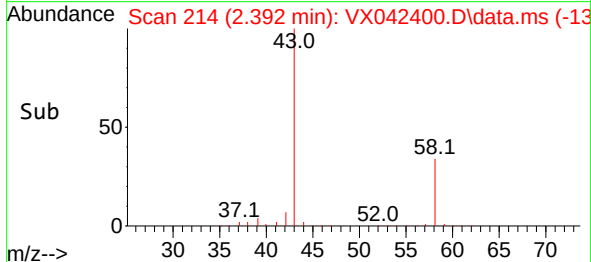
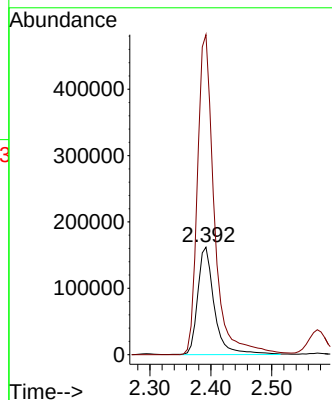
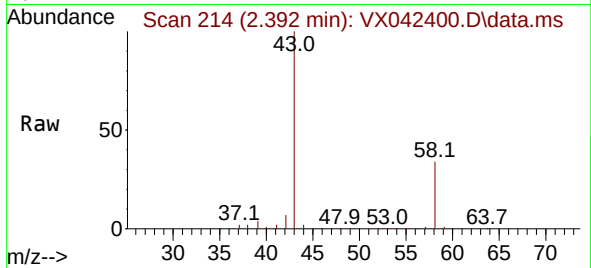




#15
Acetone
Concen: 931.366 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

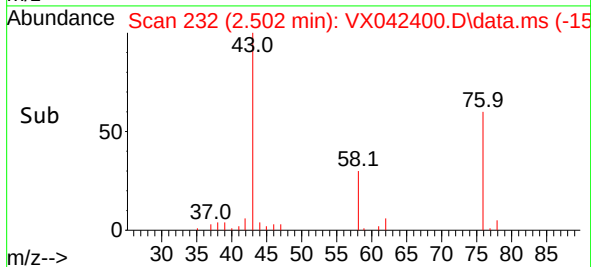
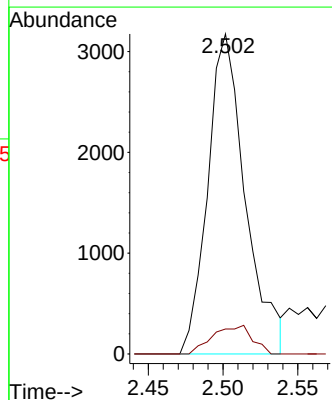
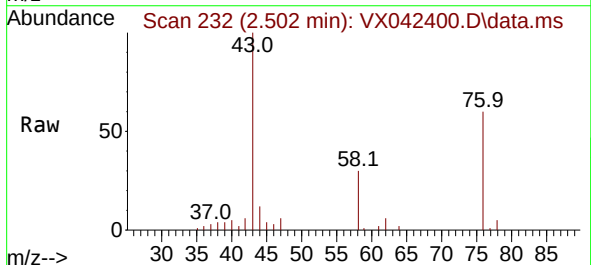
Instrument :
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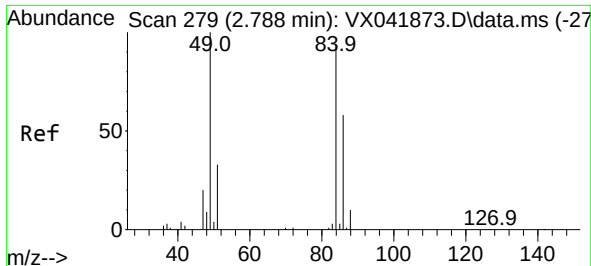
Tgt Ion: 58 Resp: 307597
Ion Ratio Lower Upper
58 100
43 298.3 243.4 365.2



#16
Carbon Disulfide
Concen: 1.565 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

Tgt Ion: 76 Resp: 5564
Ion Ratio Lower Upper
76 100
78 7.8 7.3 10.9

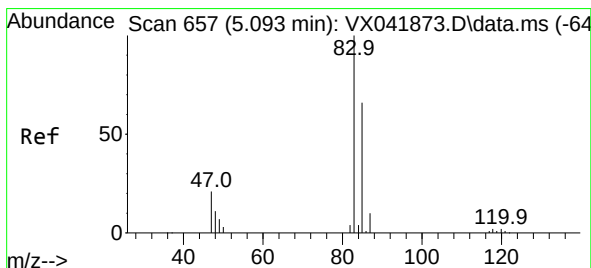
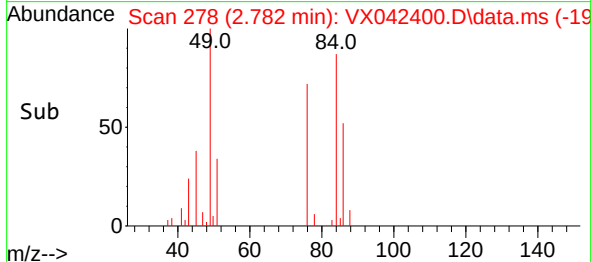
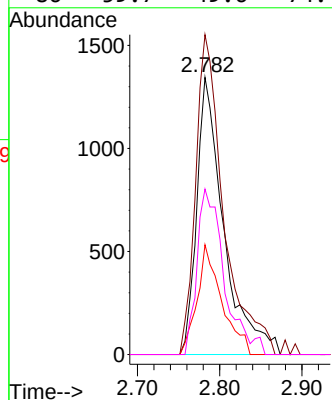
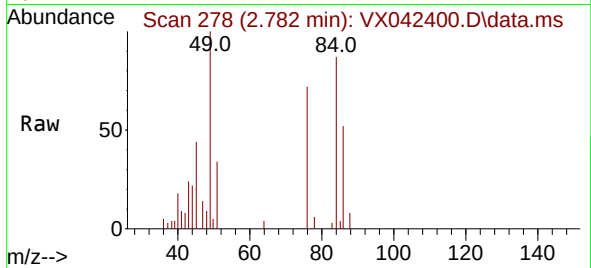




#18
Methylene Chloride
Concen: 1.494 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

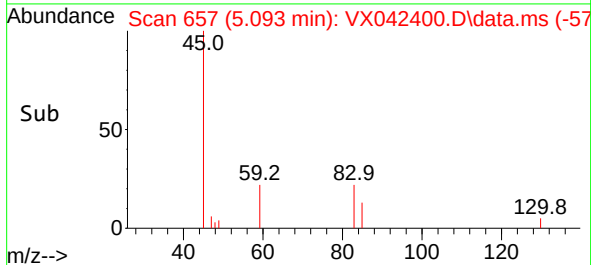
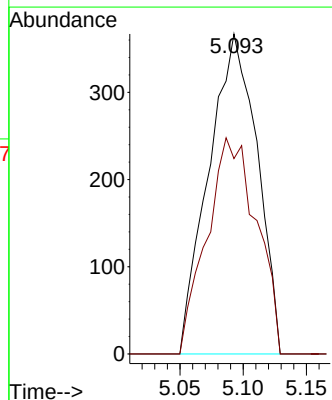
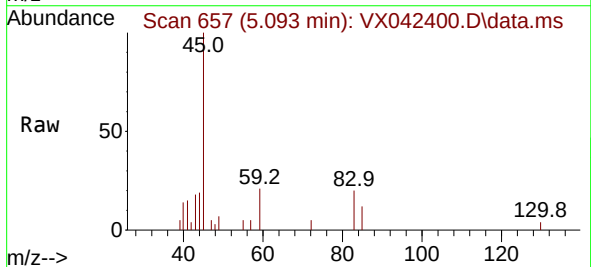
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

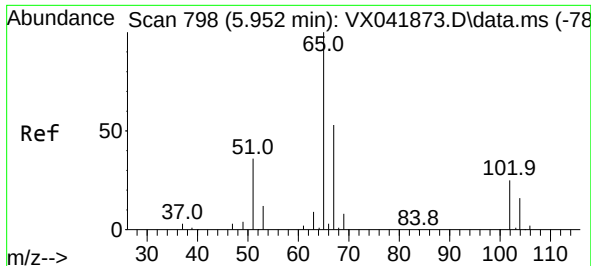
Tgt Ion:	84	Resp:	3069
Ion	Ratio	Lower	Upper
84	100		
49	115.4	85.3	127.9
51	39.6	28.5	42.7
86	59.7	49.6	74.4



#25
Chloroform
Concen: 0.276 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

Tgt Ion:	83	Resp:	977
Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.7	79.1

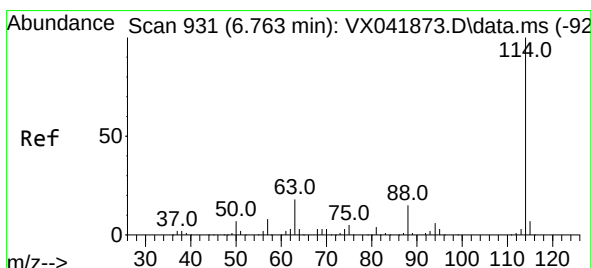
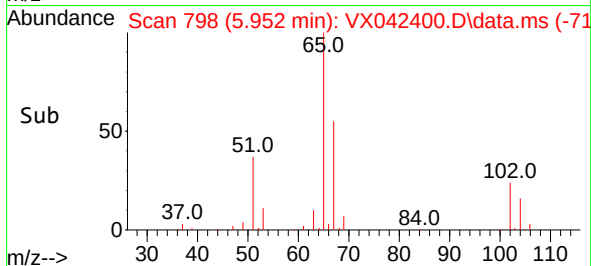
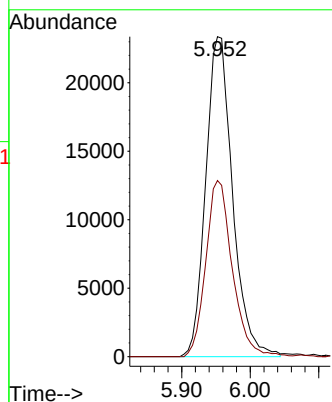
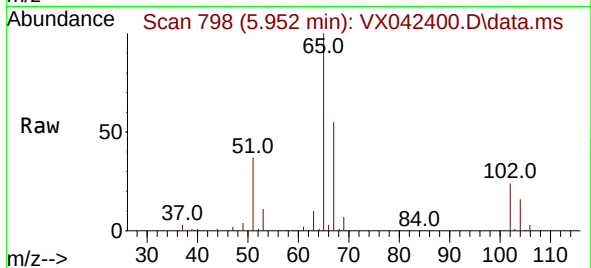




#27
 1,2-Dichloroethane-d4
 Concen: 28.761 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX042400.D
 Acq: 19 Jul 2024 13:36

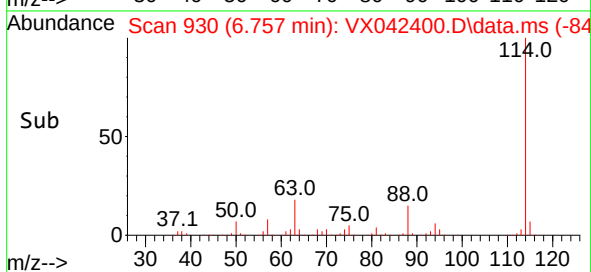
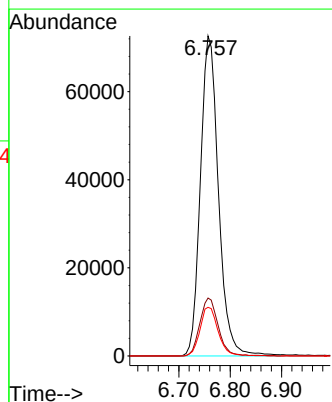
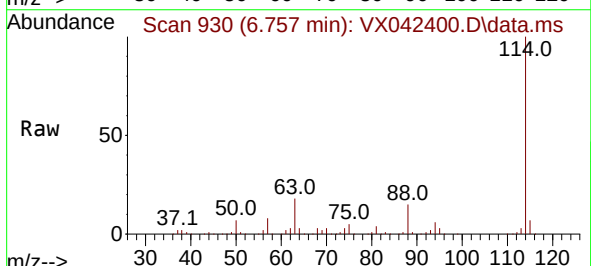
Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)

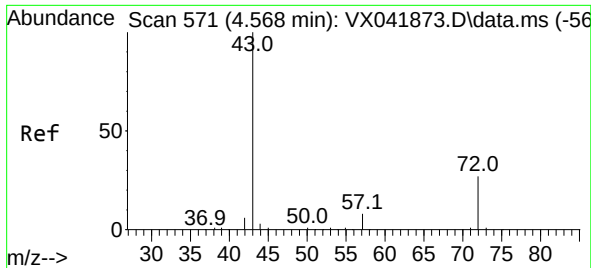
Tgt Ion: 65 Resp: 63562
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX042400.D
 Acq: 19 Jul 2024 13:36

Tgt Ion: 114 Resp: 177448
 Ion Ratio Lower Upper
 114 100
 63 18.2 14.6 21.8
 88 15.1 11.8 17.8

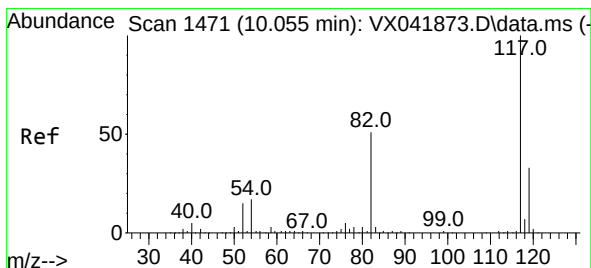
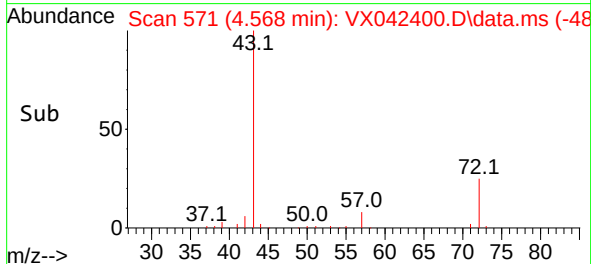
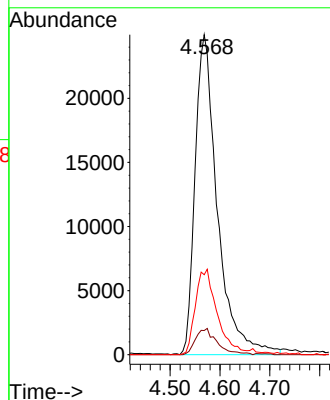
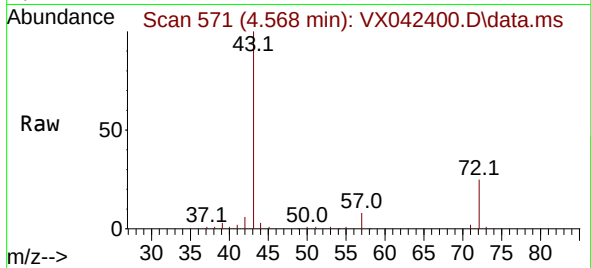




#30
2-Butanone
Concen: 50.152 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

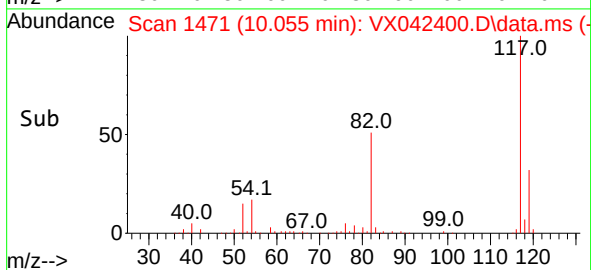
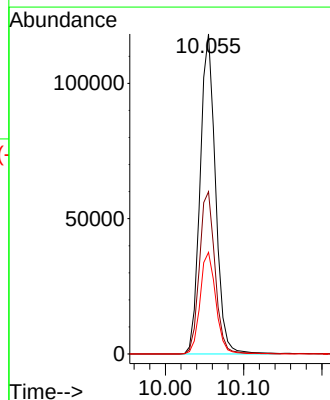
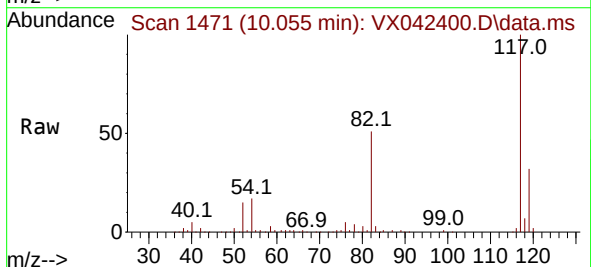
Instrument :
MSVOA_X
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001-WILLETS-PT-BLVD(JUNE)

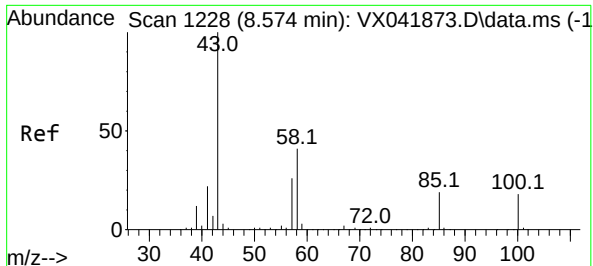
Tgt Ion: 43 Resp: 77479
Ion Ratio Lower Upper
43 100
57 7.8 6.5 9.7
72 26.1 22.0 33.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

Tgt Ion: 117 Resp: 161676
Ion Ratio Lower Upper
117 100
82 51.6 41.1 61.7
119 32.3 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 4.360 ug/l

RT: 8.580 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX042400.D

Acq: 19 Jul 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

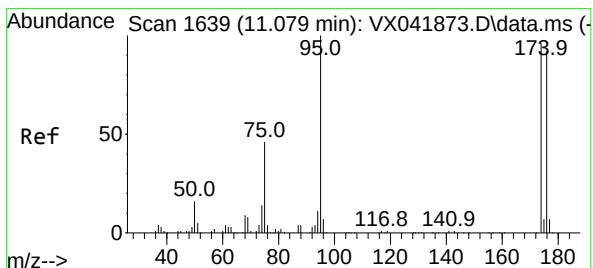
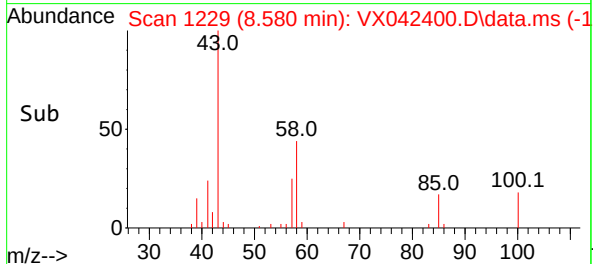
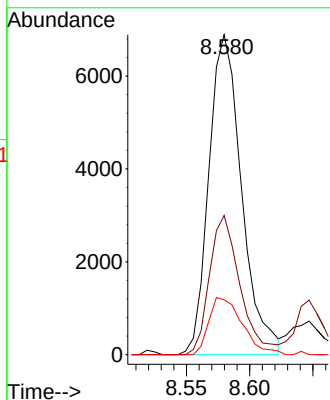
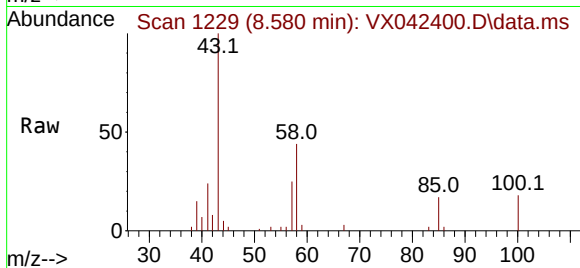
Tgt Ion: 43 Resp: 12422

Ion Ratio Lower Upper

43 100

58 40.7 33.2 49.8

85 18.2 15.5 23.3



#60

4-Bromofluorobenzene

Concen: 28.829 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX042400.D

Acq: 19 Jul 2024 13:36

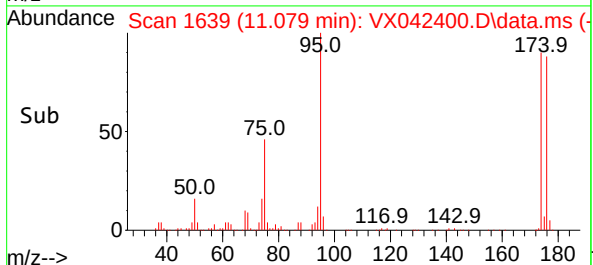
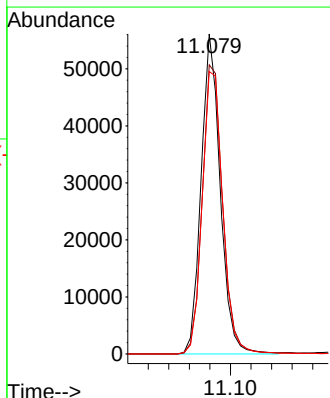
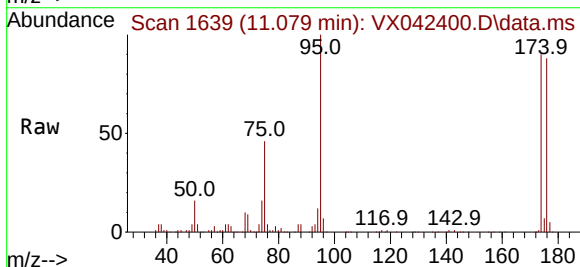
Tgt Ion: 95 Resp: 72519

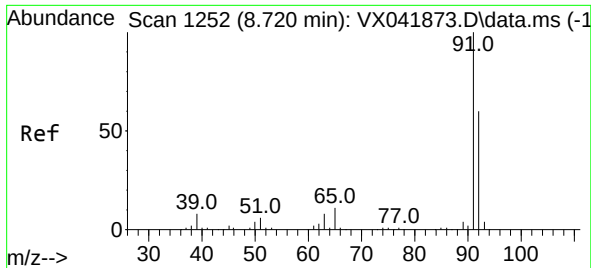
Ion Ratio Lower Upper

95 100

174 96.0 78.9 118.3

176 94.9 77.1 115.7

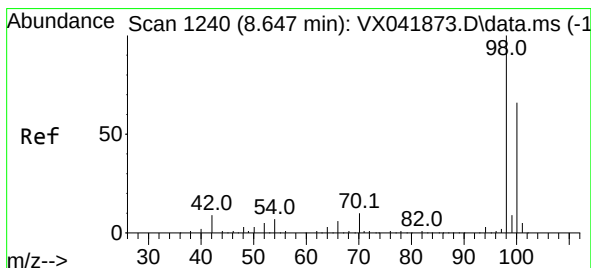
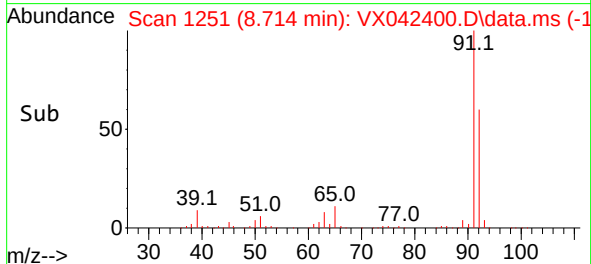
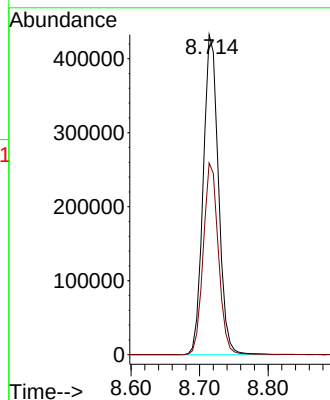
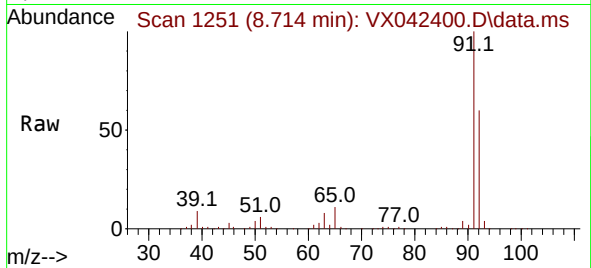




#62
Toluene
Concen: 82.789 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

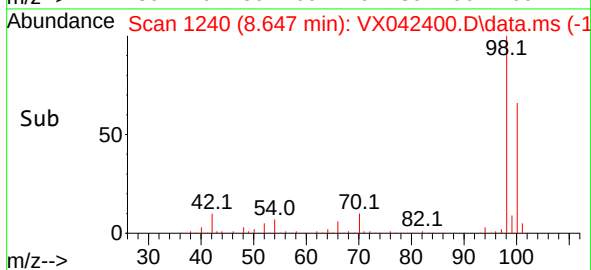
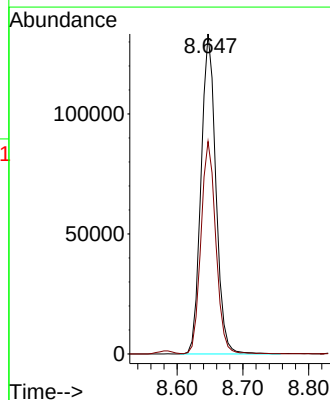
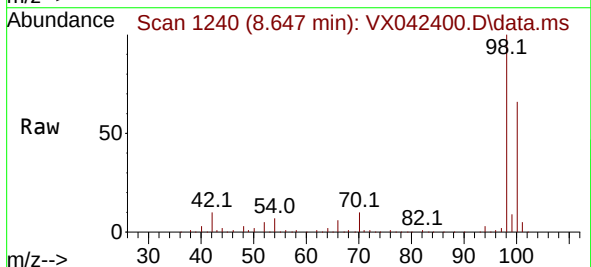
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

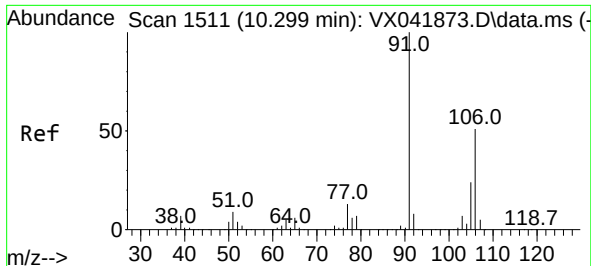
Tgt Ion: 91 Resp: 669182
Ion Ratio Lower Upper
91 100
92 59.5 47.4 71.2



#63
Toluene-d8
Concen: 29.745 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

Tgt Ion: 98 Resp: 208909
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1





#67

m/p-Xylenes

Concen: 0.322 ug/l

RT: 10.305 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042400.D

Acq: 19 Jul 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :

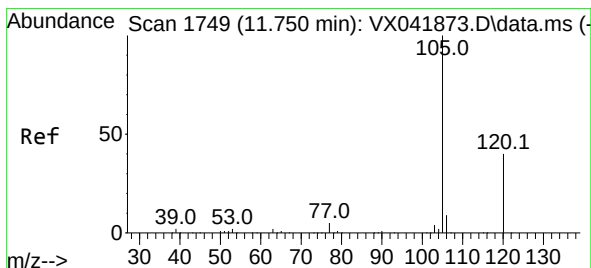
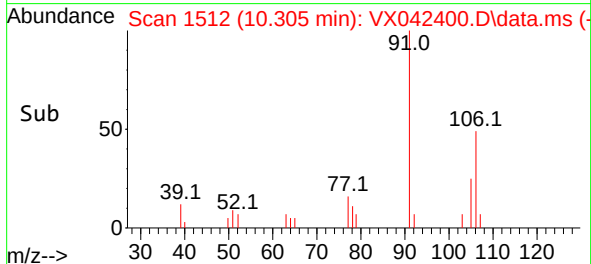
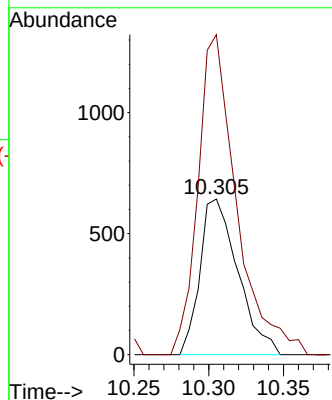
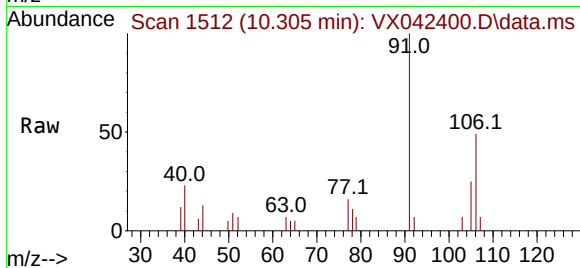
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion:106 Resp: 1135

Ion Ratio Lower Upper

106 100

91 209.0 157.0 235.6



#80

1,2,4-Trimethylbenzene

Concen: 0.748 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX042400.D

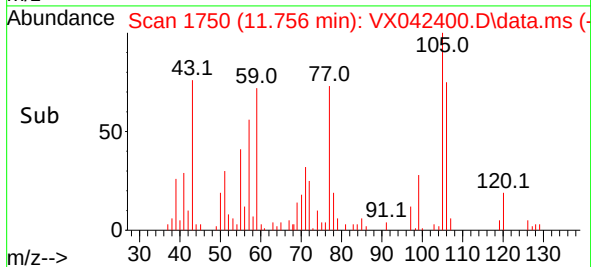
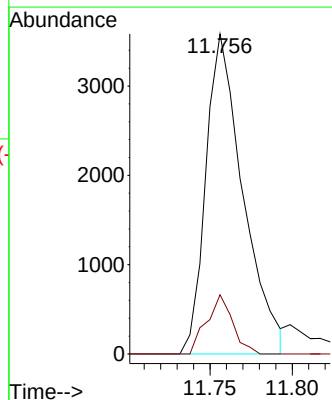
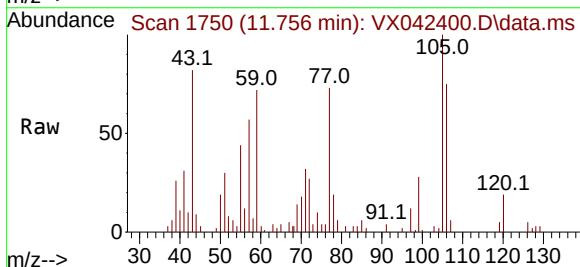
Acq: 19 Jul 2024 13:36

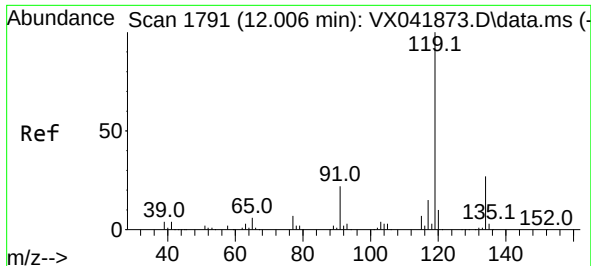
Tgt Ion:105 Resp: 5622

Ion Ratio Lower Upper

105 100

120 12.9 0.0 96.2

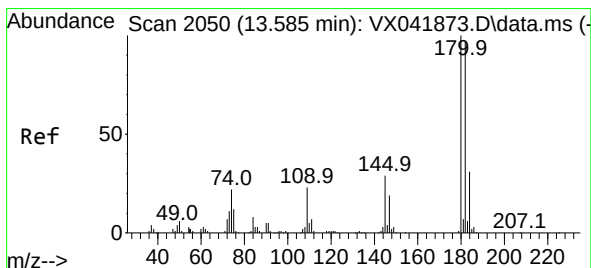
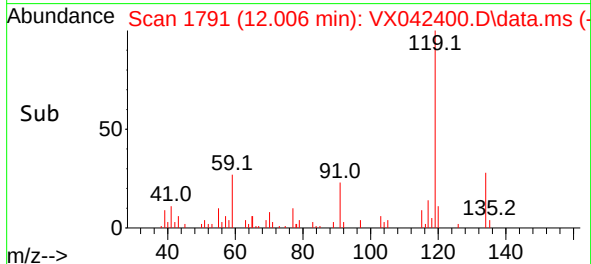
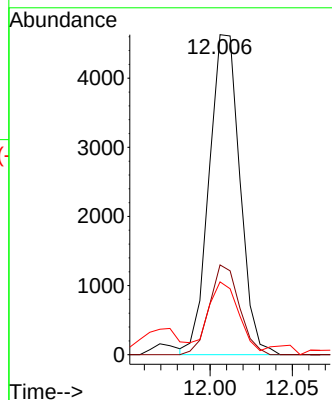
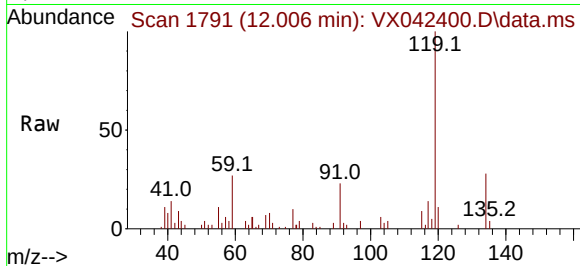




#82
 p-Isopropyltoluene
 Concen: 0.737 ug/l
 RT: 12.006 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VX042400.D
 Acq: 19 Jul 2024 13:36

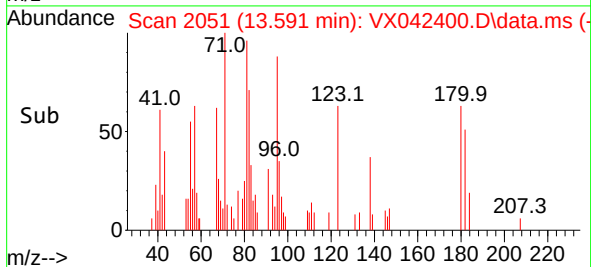
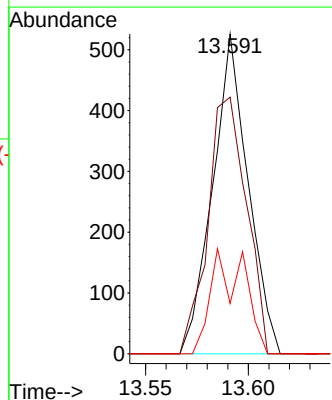
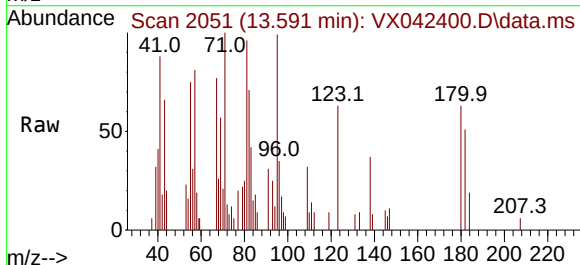
Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)

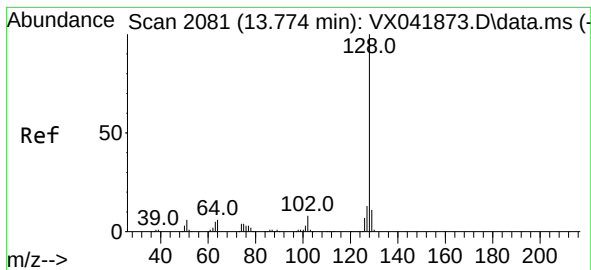
Tgt Ion:119	Resp:	6017
Ion	Ratio	Lower Upper
119	100	
134	27.3	0.0 54.0
91	23.0	0.0 42.2



#89
 1,2,4-Trichlorobenzene
 Concen: 0.201 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX042400.D
 Acq: 19 Jul 2024 13:36

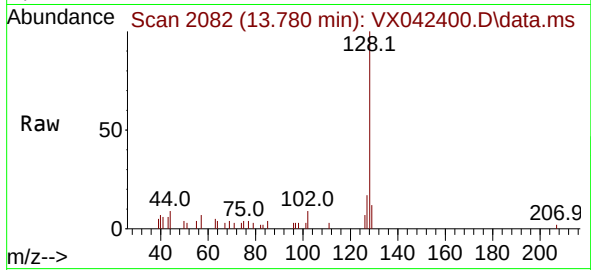
Tgt Ion:180	Resp:	631
Ion	Ratio	Lower Upper
180	100	
182	87.3	76.9 115.3
145	30.6	22.8 34.2





#91
Naphthalene
Concen: 0.391 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX042400.D
Acq: 19 Jul 2024 13:36

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



Tgt Ion:	128	Resp:	3659
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	9.1	8.7	13.1

