

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029977.D
 Acq On : 08 Jul 2022 16:52
 Operator : JC/MD
 Sample : N3646-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 09 02:19:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

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

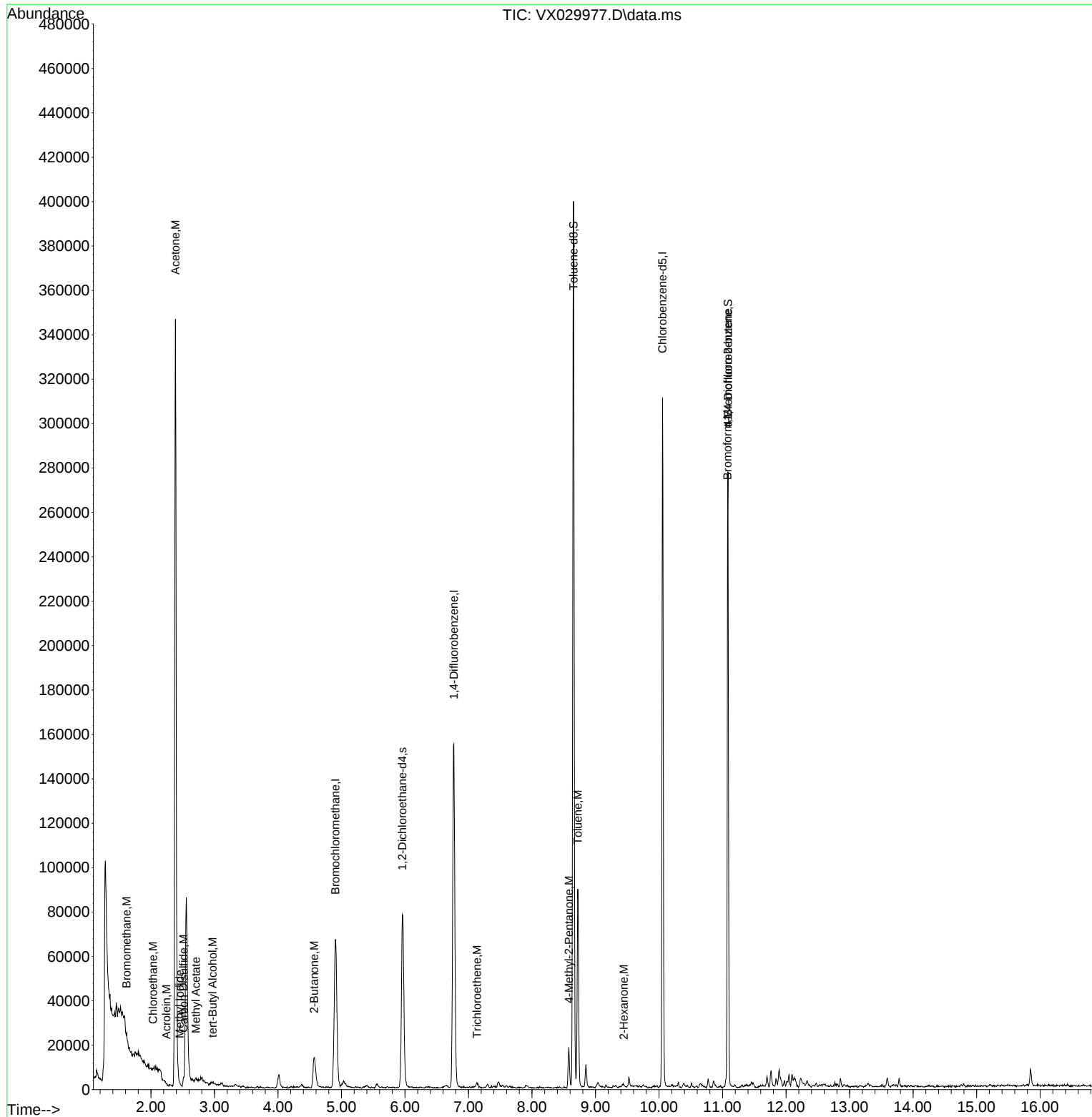
Internal Standards						
1) Bromochloromethane	4.903	128	30085	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	166014	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146514	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	69727	28.423	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.733%		
60) 4-Bromofluorobenzene	11.085	95	77979	28.242	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.133%		
63) Toluene-d8	8.653	98	237078	29.841	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.467%		
Target Compounds						Qvalue
5) Bromomethane	1.617	94	357	0.356	ug/l #	79
6) Chloroethane	2.032	64	522	0.401	ug/l #	71
11) Methyl Iodide	2.453	142	541	9.108	ug/l #	79
12) Methyl Acetate	2.709	43	1492	0.432	ug/l #	77
13) Acrolein	2.239	56	187	0.461	ug/l	96
15) Acetone	2.386	58	125811	311.892	ug/l	85
16) Carbon Disulfide	2.514	76	5463	0.988	ug/l #	94
23) tert-Butyl Alcohol	2.971	59	498	0.732	ug/l #	100
30) 2-Butanone	4.568	43	25476	13.290	ug/l #	74
37) Trichloroethene	7.135	130	692	0.284	ug/l	82
56) Bromoform	11.079	173	620	0.410	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	10475	2.894	ug/l	98
59) 2-Hexanone	9.445	43	855	0.305	ug/l #	94
62) Toluene	8.720	91	59331	6.088	ug/l	97
77) t-1,4-Dichloro-2-butene	11.085	75	37135	32.778	ug/l #	3

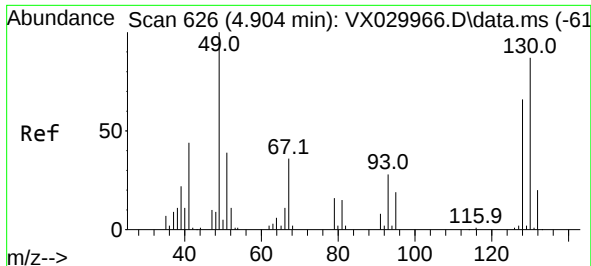
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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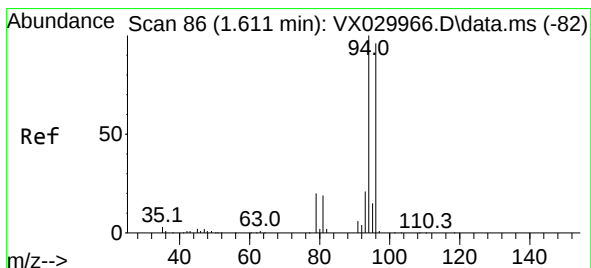
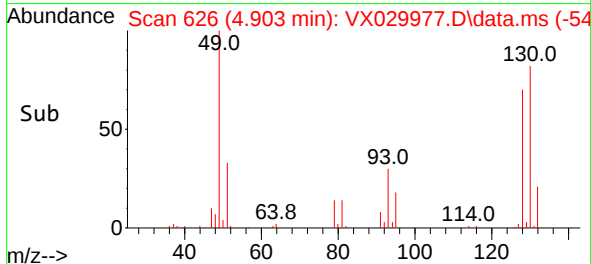
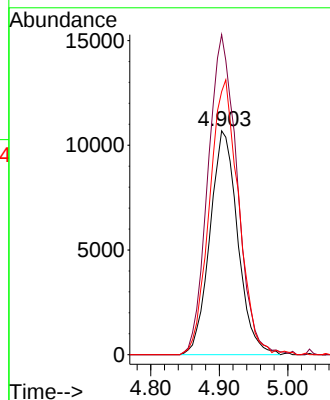
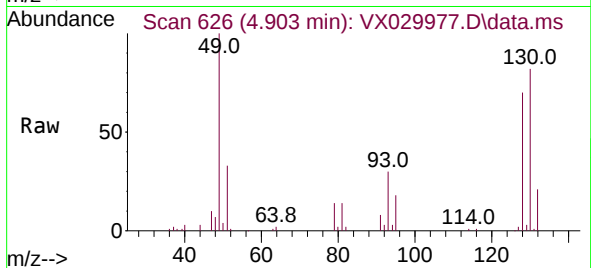




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

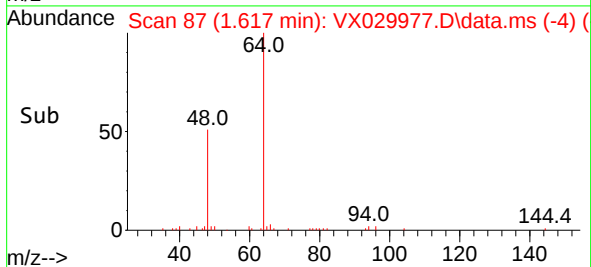
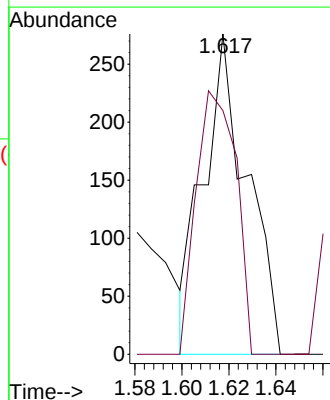
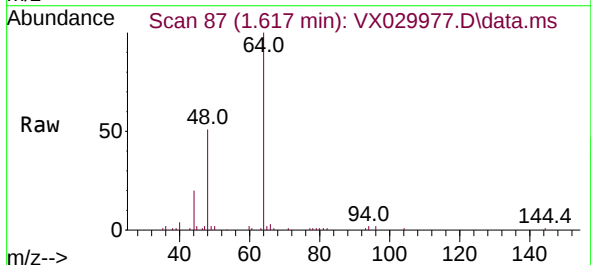
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUL)

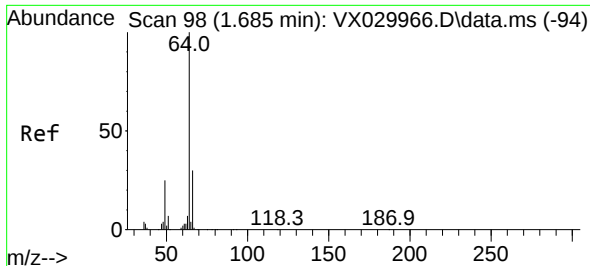
Tgt Ion:128 Resp: 30085
Ion Ratio Lower Upper
128 100
49 150.4 0.0 358.3
130 128.5 0.0 319.3



#5
Bromomethane
Concen: 0.356 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

Tgt Ion: 94 Resp: 357
Ion Ratio Lower Upper
94 100
96 76.1 77.0 115.6#

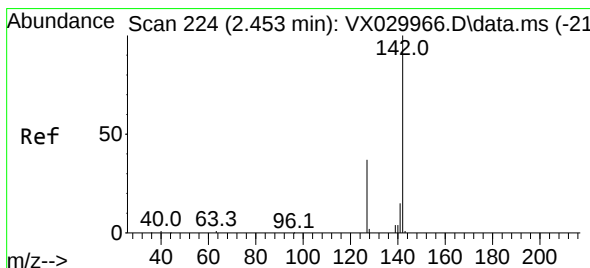
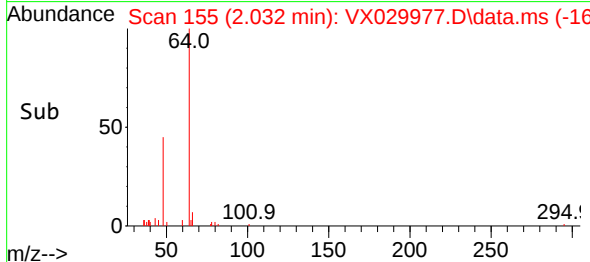
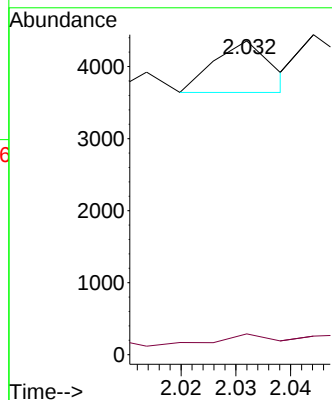
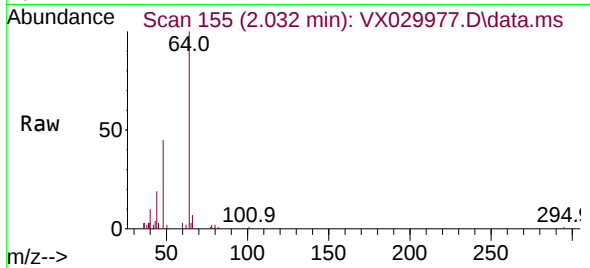




#6
Chloroethane
Concen: 0.401 ug/l
RT: 2.032 min Scan# 11
Delta R.T. 0.347 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

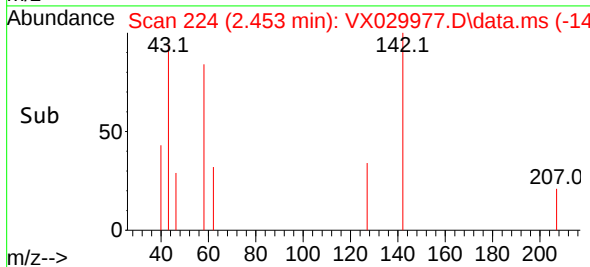
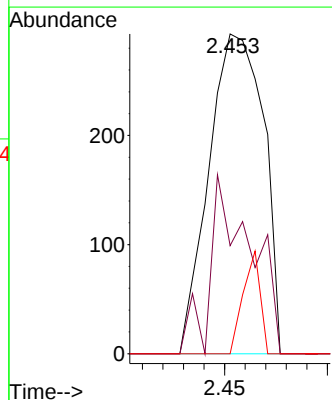
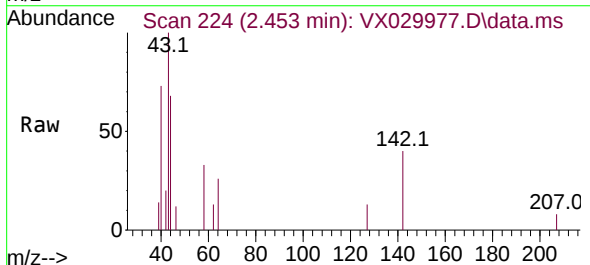
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUL)

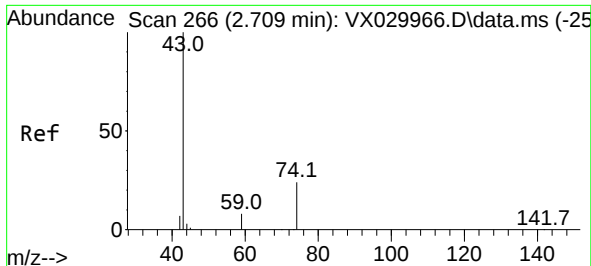
Tgt Ion: 64 Resp: 522
Ion Ratio Lower Upper
64 100
66 16.8 26.4 39.6#



#11
Methyl Iodide
Concen: 9.108 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

Tgt Ion: 142 Resp: 541
Ion Ratio Lower Upper
142 100
127 33.8 22.3 66.9
141 0.0 7.0 20.9#





#12

Methyl Acetate

Concen: 0.432 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX029977.D

Acq: 08 Jul 2022 16:52

Instrument :

MSVOA_X

ClientSampleId :

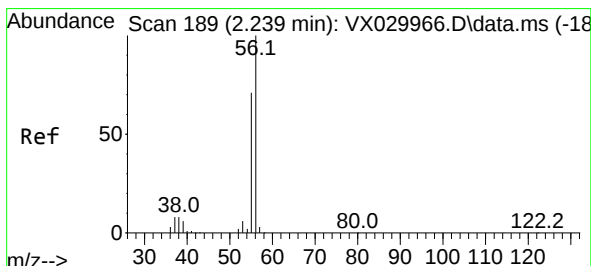
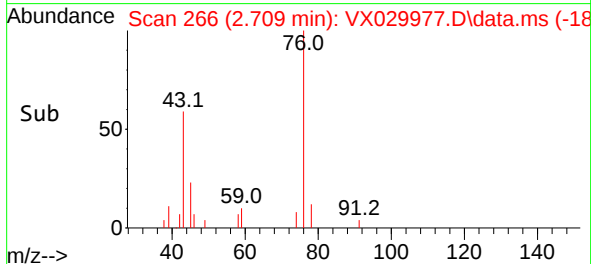
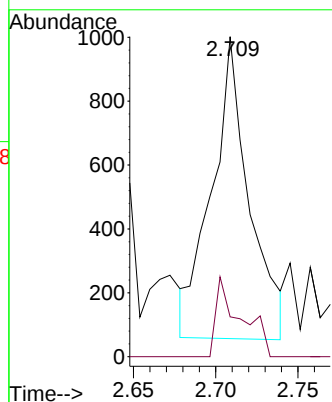
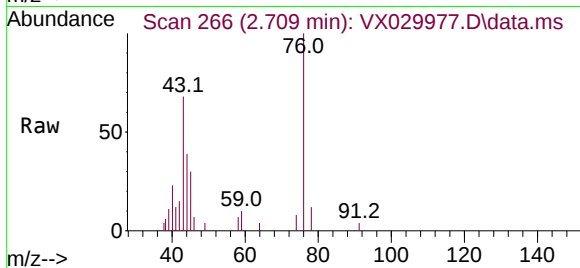
001-WILLETS-PT-BLVD(JUL)

Tgt Ion: 43 Resp: 1492

Ion Ratio Lower Upper

43 100

74 15.8 22.1 33.1#



#13

Acrolein

Concen: 0.461 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX029977.D

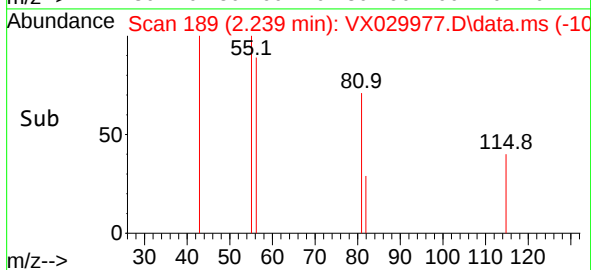
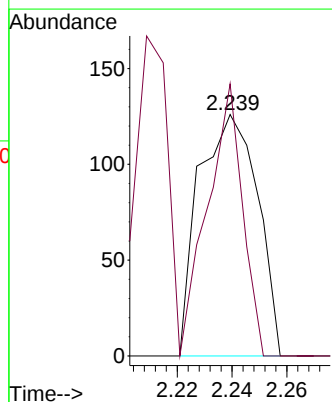
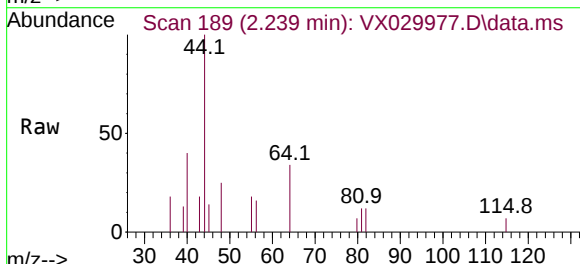
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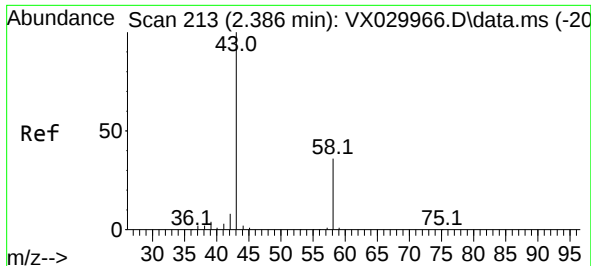
Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 67.4 56.4 84.6

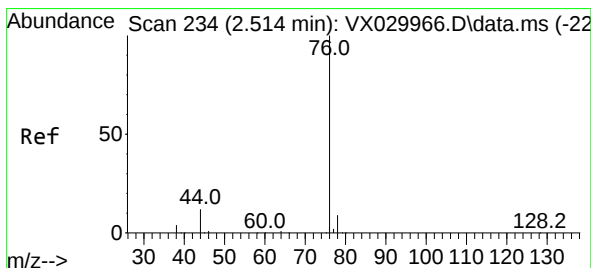
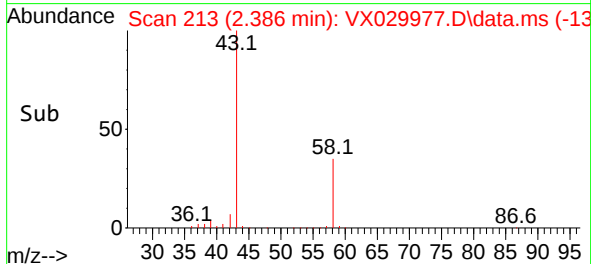
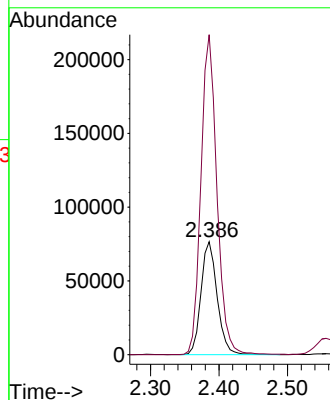
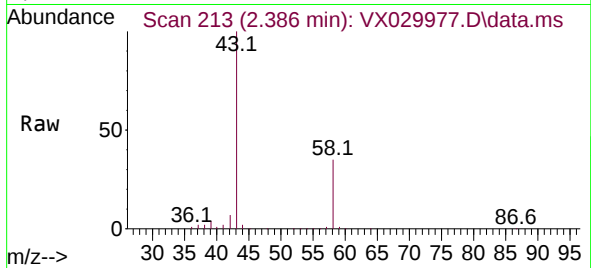




#15
Acetone
Concen: 311.892 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

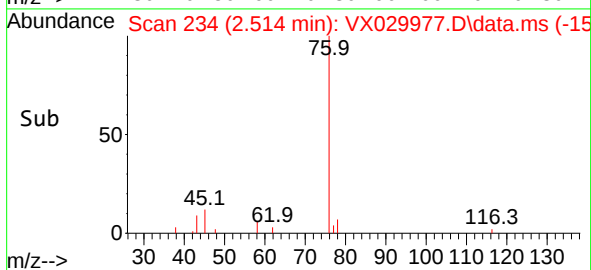
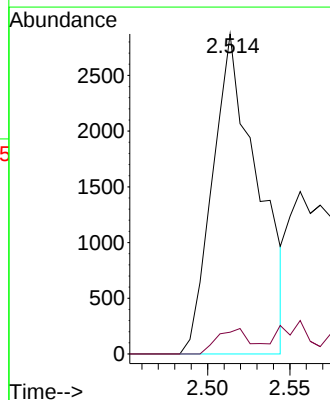
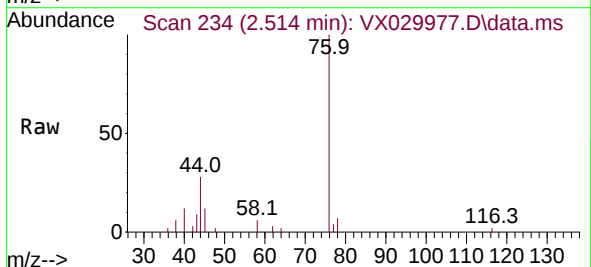
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(JUL)

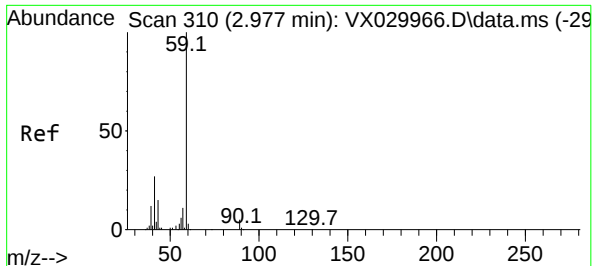
Tgt Ion: 58 Resp: 125811
Ion Ratio Lower Upper
58 100
43 283.0 250.2 375.2



#16
Carbon Disulfide
Concen: 0.988 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

Tgt Ion: 76 Resp: 5463
Ion Ratio Lower Upper
76 100
78 6.8 7.1 10.7#

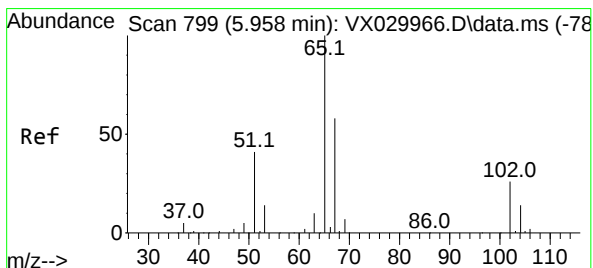
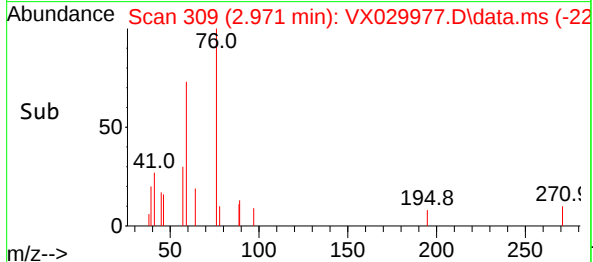
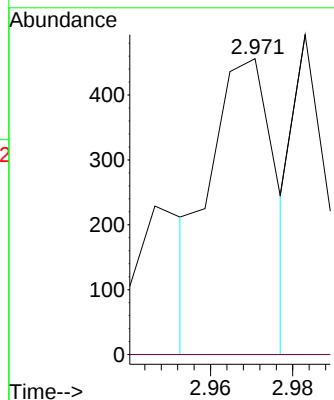
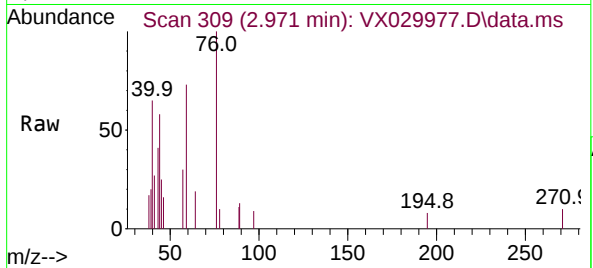




#23
tert-Butyl Alcohol
Concen: 0.732 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

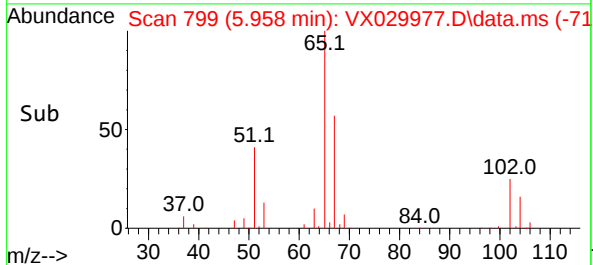
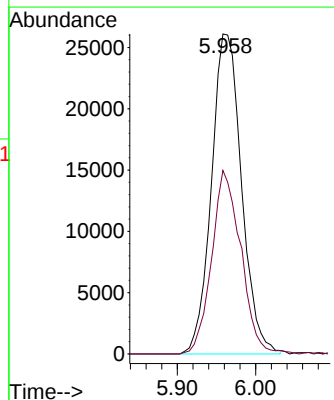
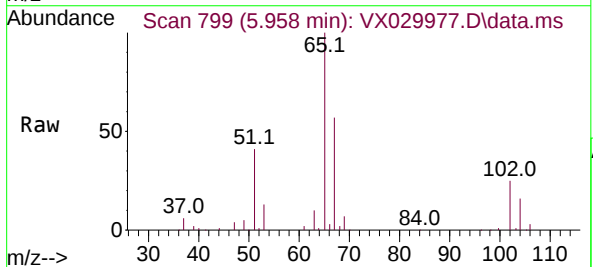
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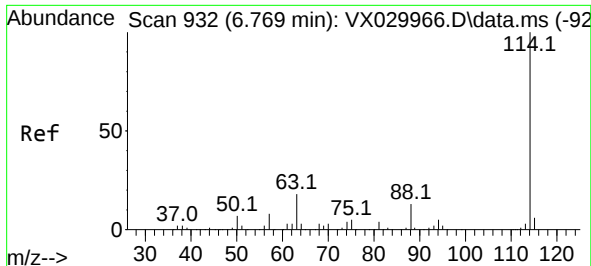
Tgt Ion: 59 Resp: 498
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.423 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

Tgt Ion: 65 Resp: 69727
Ion Ratio Lower Upper
65 100
67 55.6 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX029977.D

Acq: 08 Jul 2022 16:52

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUL)

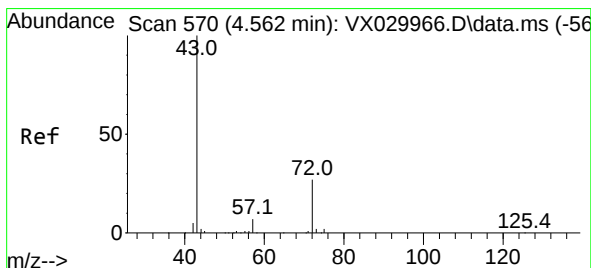
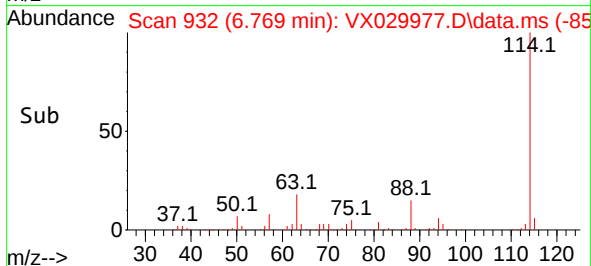
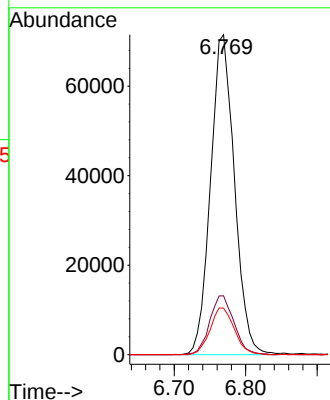
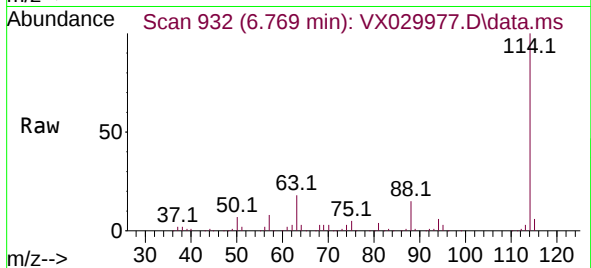
Tgt Ion:114 Resp: 166014

Ion Ratio Lower Upper

114 100

63 18.7 15.3 22.9

88 14.8 12.2 18.4



#30

2-Butanone

Concen: 13.290 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX029977.D

Acq: 08 Jul 2022 16:52

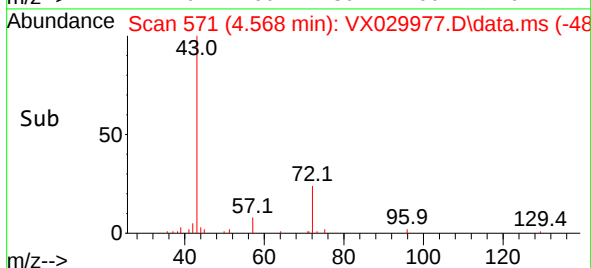
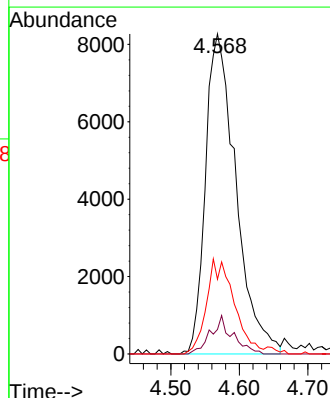
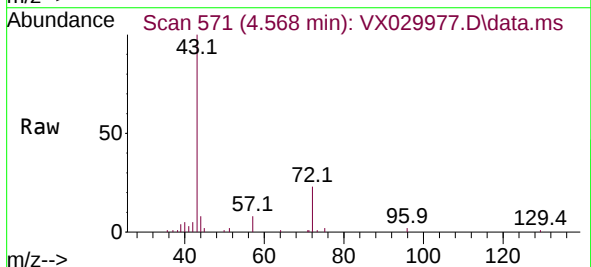
Tgt Ion: 43 Resp: 25476

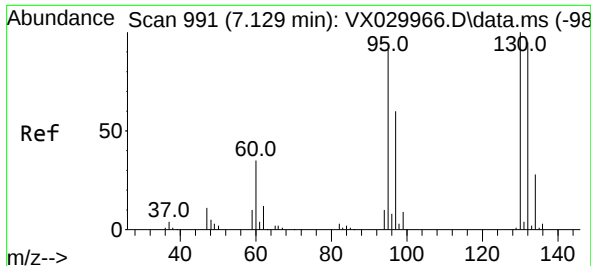
Ion Ratio Lower Upper

43 100

57 3.8 6.6 10.0#

72 12.0 22.1 33.1#





#37

Trichloroethene

Concen: 0.284 ug/l

RT: 7.135 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX029977.D

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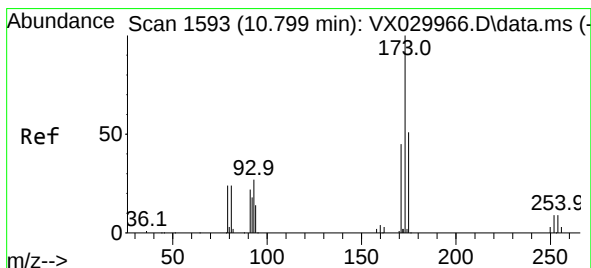
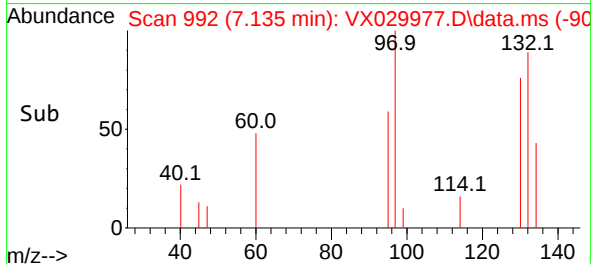
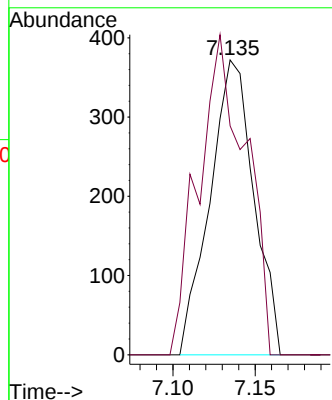
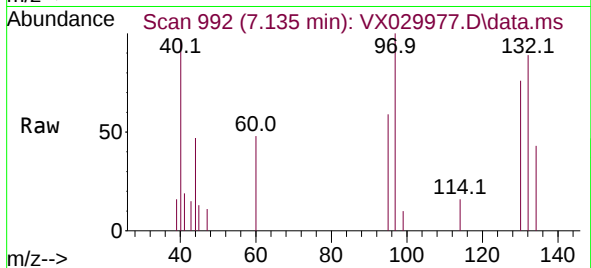
001-WILLETS-PT-BLVD(JUL)

Tgt Ion:130 Resp: 692

Ion Ratio Lower Upper

130 100

95 77.7 76.5 114.7



#56

Bromoform

Concen: 0.410 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX029977.D

Acq: 08 Jul 2022 16:52

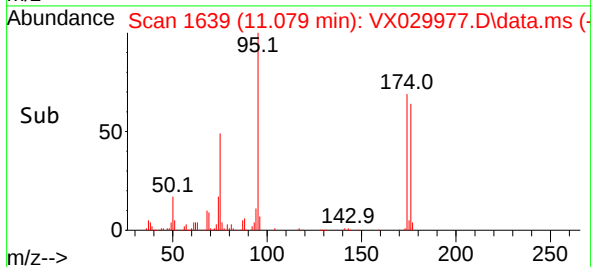
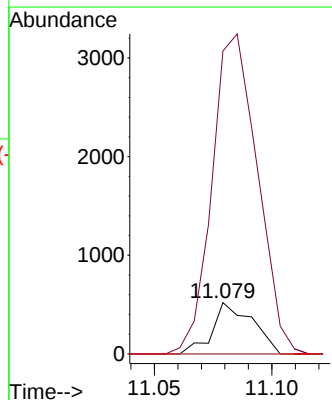
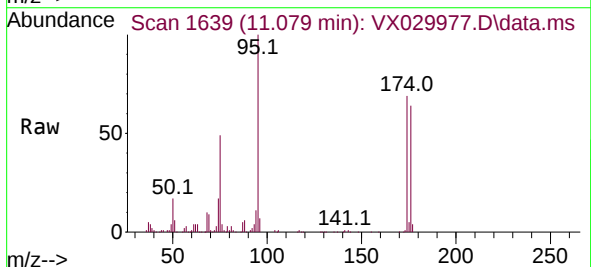
Tgt Ion:173 Resp: 620

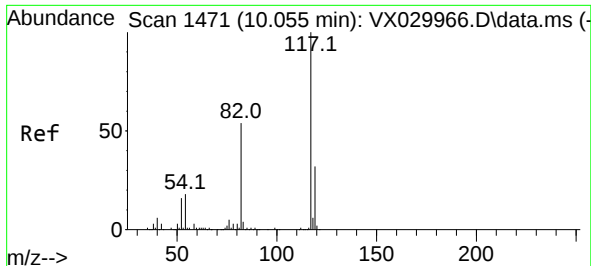
Ion Ratio Lower Upper

173 100

175 704.5 40.3 60.5#

254 0.0 7.4 11.2#

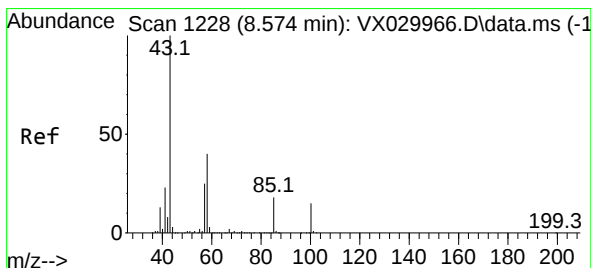
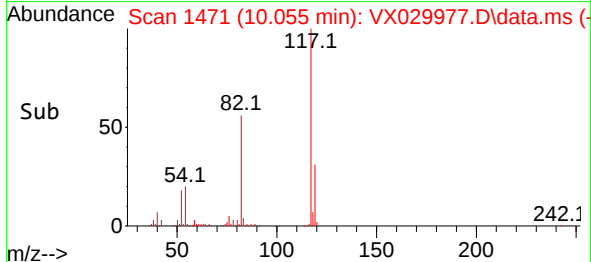
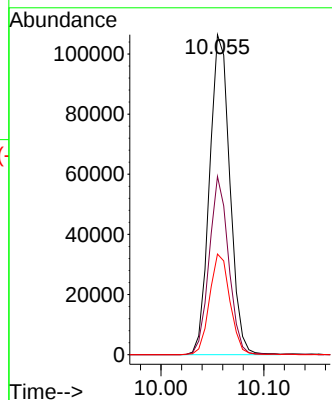
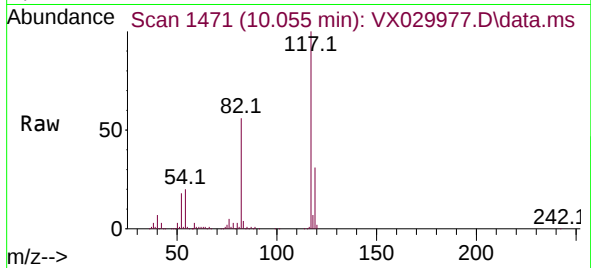




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

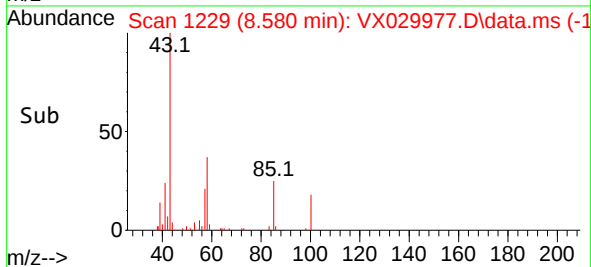
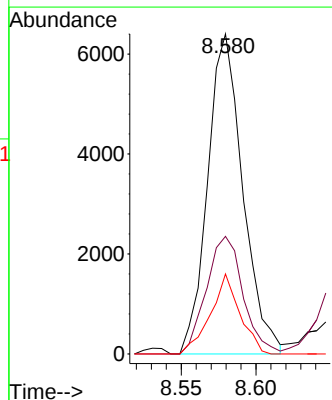
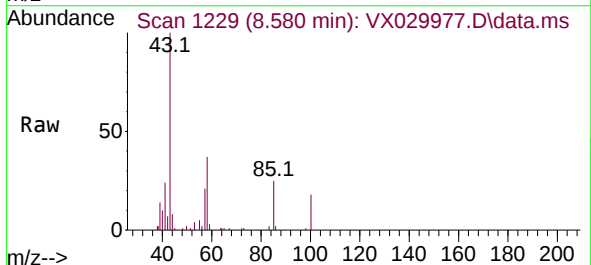
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUL)

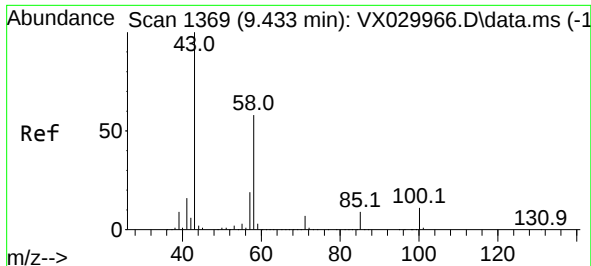
Tgt Ion:117 Resp: 146514
Ion Ratio Lower Upper
117 100
82 53.0 42.3 63.5
119 31.5 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 2.894 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX029977.D
Acq: 08 Jul 2022 16:52

Tgt Ion: 43 Resp: 10475
Ion Ratio Lower Upper
43 100
58 38.2 31.8 47.6
85 20.9 15.8 23.6





#59

2-Hexanone

Concen: 0.305 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX029977.D

Acq: 08 Jul 2022 16:52

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUL)

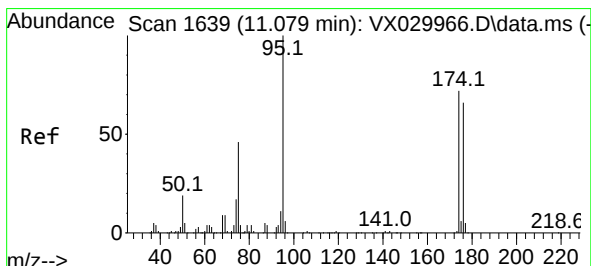
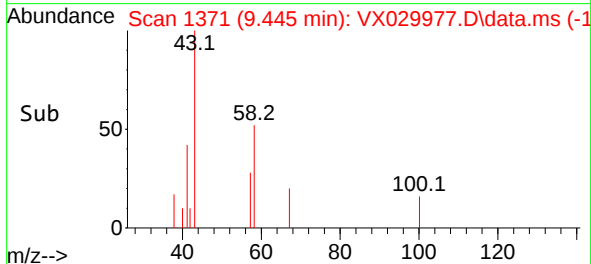
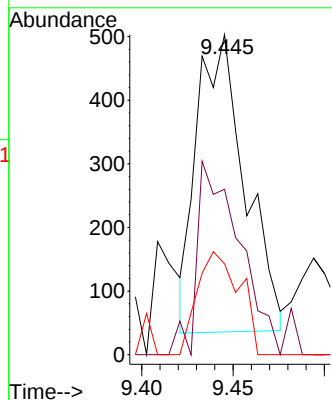
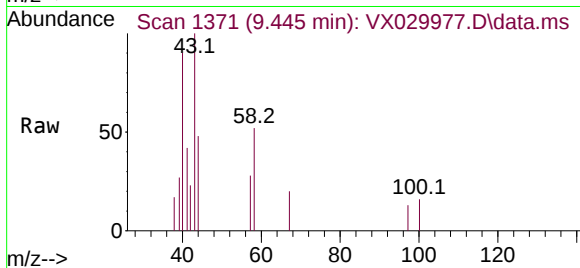
Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

58 55.3 44.1 66.1

57 30.6 16.2 24.2#



#60

4-Bromofluorobenzene

Concen: 28.242 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX029977.D

Acq: 08 Jul 2022 16:52

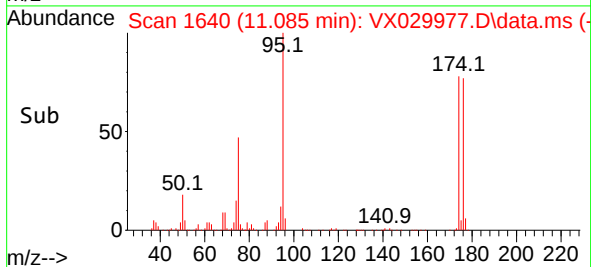
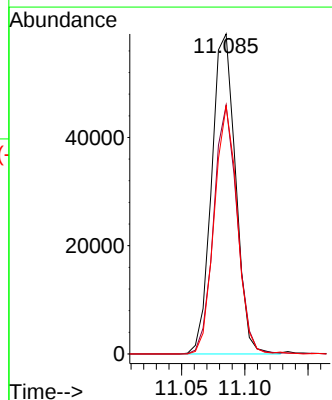
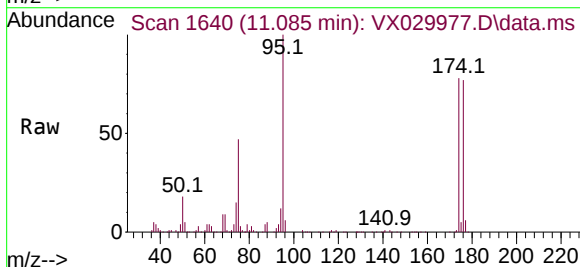
Tgt Ion: 95 Resp: 77979

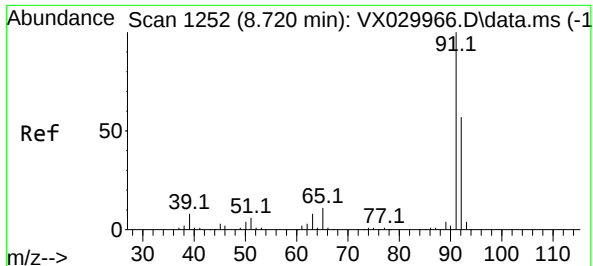
Ion Ratio Lower Upper

95 100

174 75.9 65.4 98.2

176 74.0 63.4 95.0





#62

Toluene

Concen: 6.088 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX029977.D

Acq: 08 Jul 2022 16:52

Instrument :

MSVOA_X

ClientSampleId :

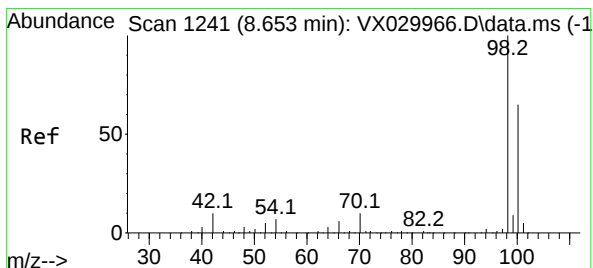
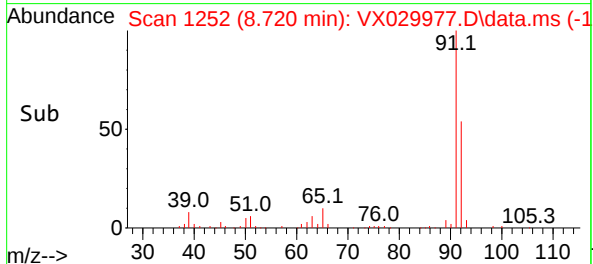
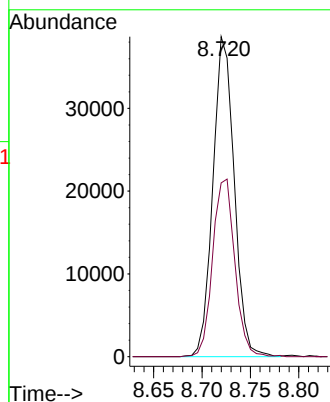
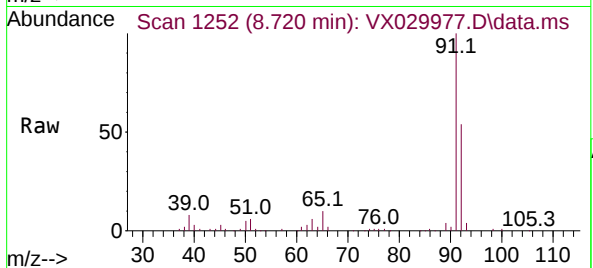
001-WILLETS-PT-BLVD(JUL)

Tgt Ion: 91 Resp: 59331

Ion Ratio Lower Upper

91 100

92 57.6 48.1 72.1



#63

Toluene-d8

Concen: 29.841 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029977.D

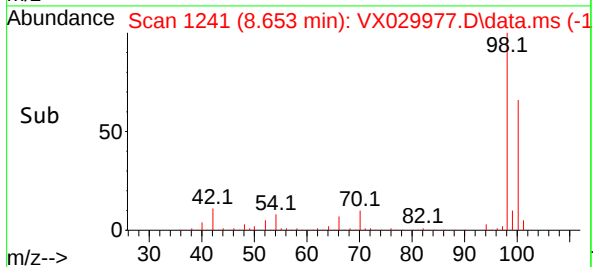
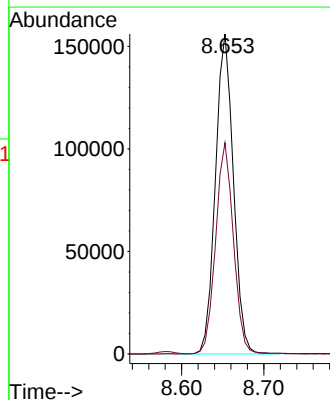
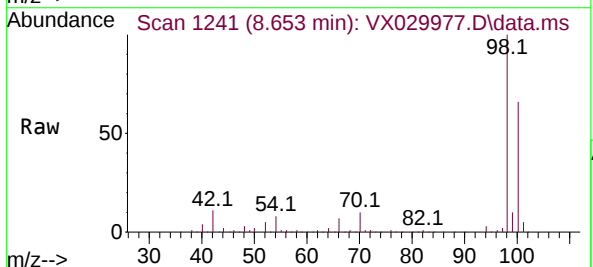
Acq: 08 Jul 2022 16:52

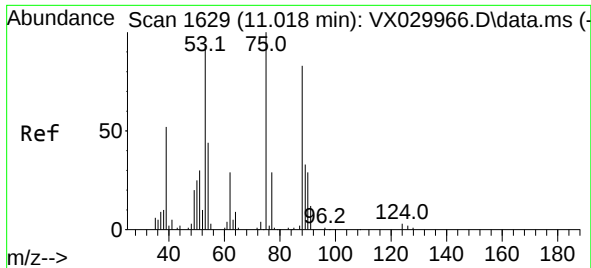
Tgt Ion: 98 Resp: 237078

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.778 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029977.D
 Acq: 08 Jul 2022 16:52

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

Tgt Ion: 75 Resp: 37135
 Ion Ratio Lower Upper
 75 100
 53 0.2 59.7 179.1#
 89 0.0 23.1 69.2#

