

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050522\
 Data File : VX028535.D
 Acq On : 05 May 2022 15:37
 Operator : JC/MD
 Sample : N2701-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 06 02:27:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 06:09:36 2022
 Response via : Initial Calibration

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

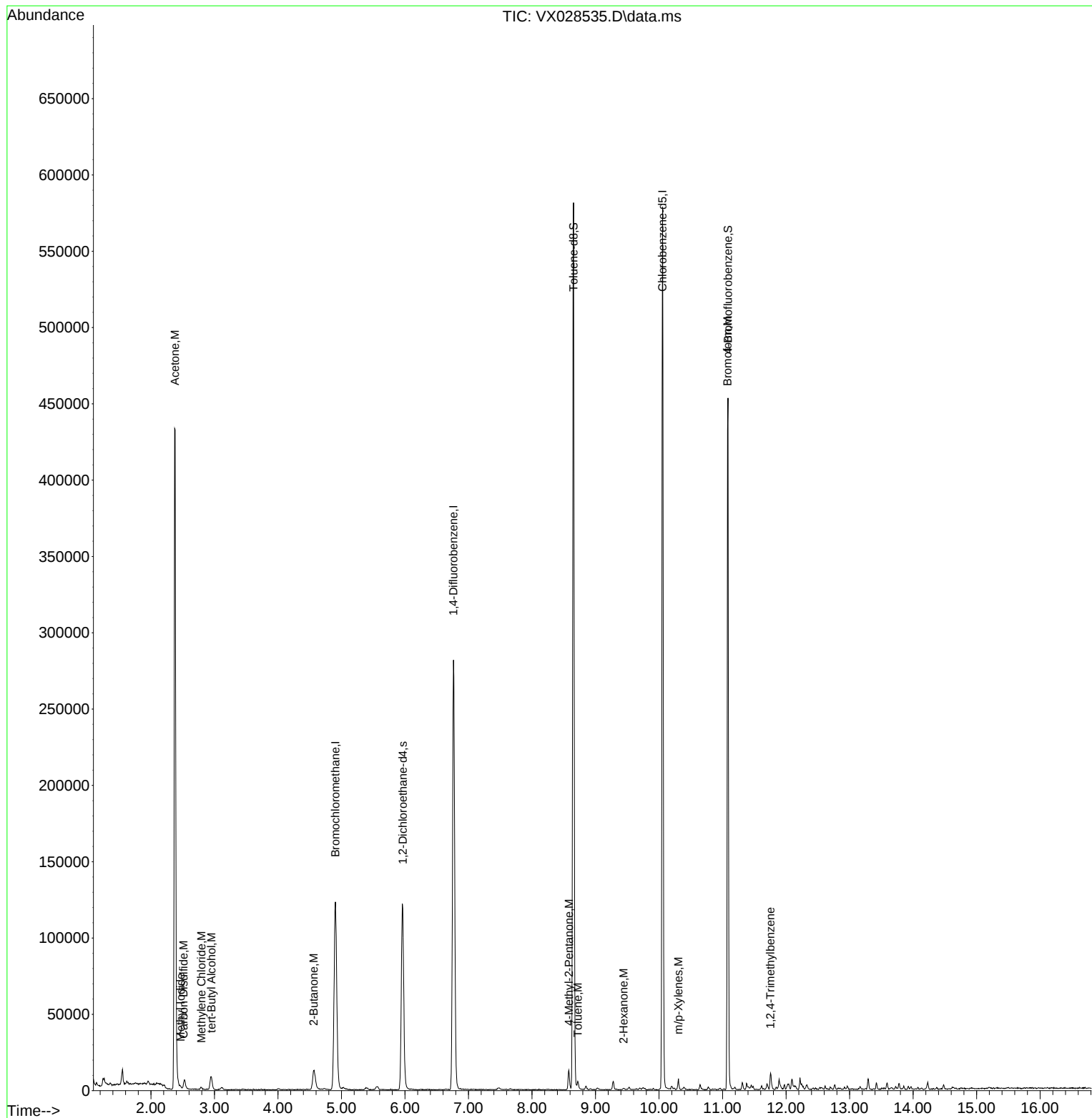
Internal Standards						
1) Bromochloromethane	4.904	128	55611	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	302211	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	271884	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	114053	32.249	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.500%	
60) 4-Bromofluorobenzene	11.085	95	118838	28.106	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 93.700%	
63) Toluene-d8	8.653	98	346392	30.075	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.233%	
Target Compounds						
					Qvalue	
11) Methyl Iodide	2.465	142	1174	0.417	ug/l	94
15) Acetone	2.380	58	150703	349.214	ug/l	92
16) Carbon Disulfide	2.514	76	2595	1.047	ug/l #	82
18) Methylene Chloride	2.794	84	754	0.280	ug/l #	79
23) tert-Butyl Alcohol	2.953	59	5417	6.582	ug/l #	100
30) 2-Butanone	4.562	43	16169	7.981	ug/l	95
56) Bromoform	11.079	173	1210	0.473	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	7707	1.949	ug/l	99
59) 2-Hexanone	9.439	43	636	0.208	ug/l #	50
62) Toluene	8.720	91	3089	0.262	ug/l	97
67) m/p-Xylenes	10.305	106	1974	0.354	ug/l #	69
80) 1,2,4-Trimethylbenzene	11.756	105	3920	0.316	ug/l	96

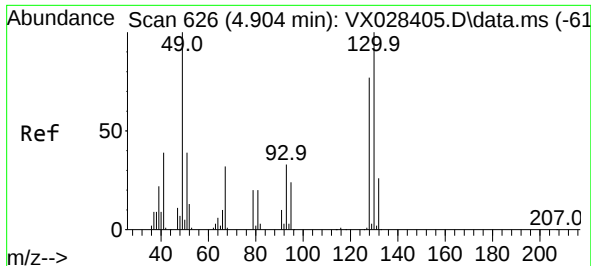
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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001-WILLETS-PT-BLVD(MAY)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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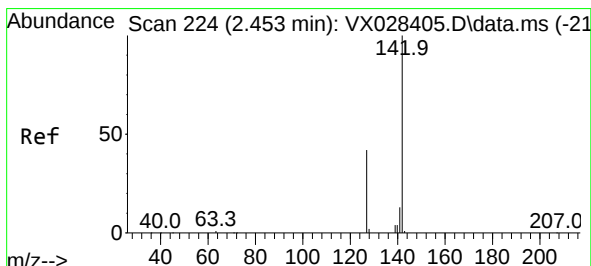
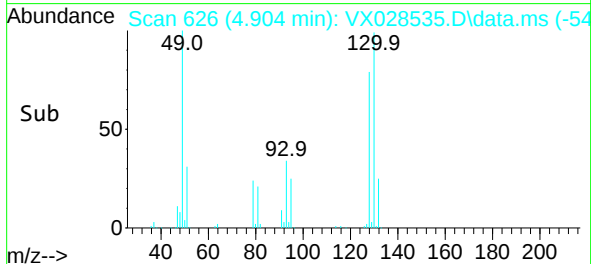
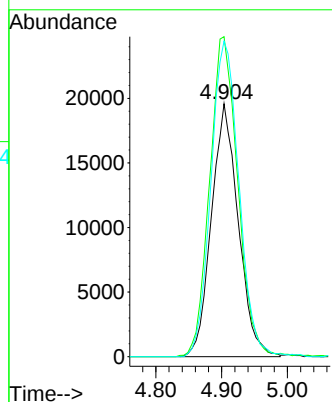
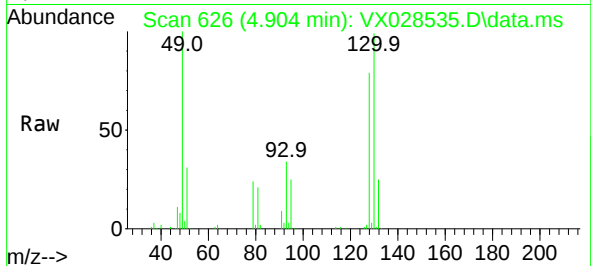




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

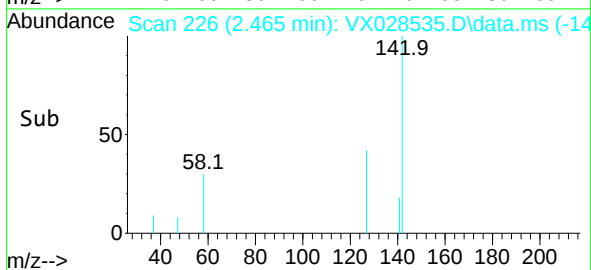
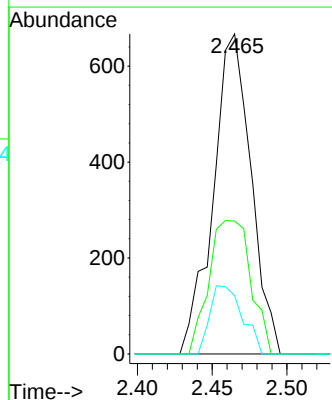
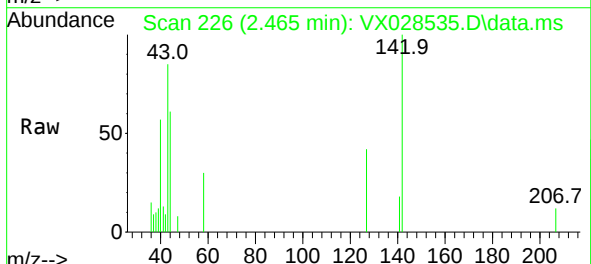
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

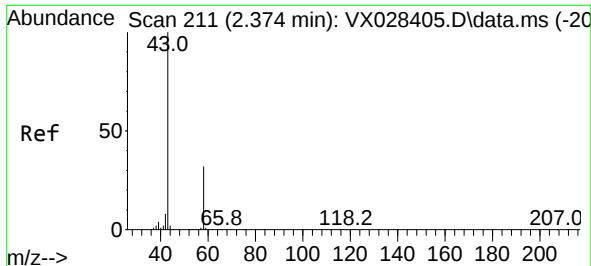
Tgt Ion:128 Resp: 55611
Ion Ratio Lower Upper
128 100
49 132.2 0.0 358.3
130 130.2 0.0 319.3



#11
Methyl Iodide
Concen: 0.417 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

Tgt Ion:142 Resp: 1174
Ion Ratio Lower Upper
142 100
127 41.5 22.3 66.9
141 18.3 7.0 20.9

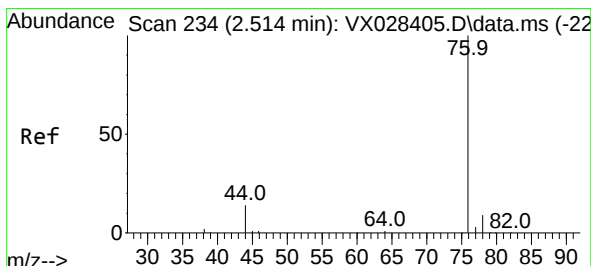
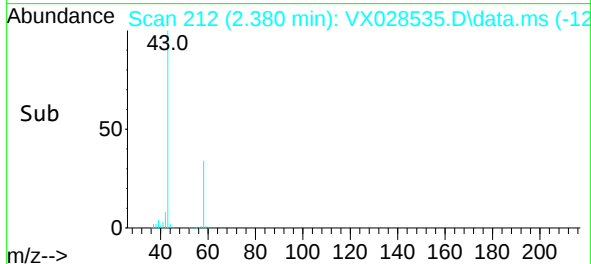
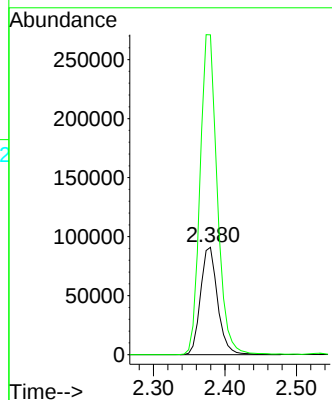
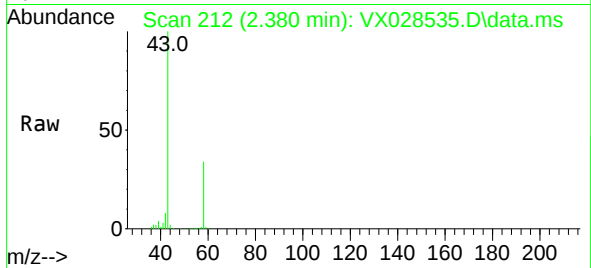




#15
Acetone
Concen: 349.214 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

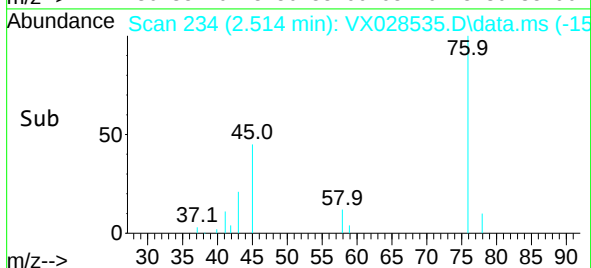
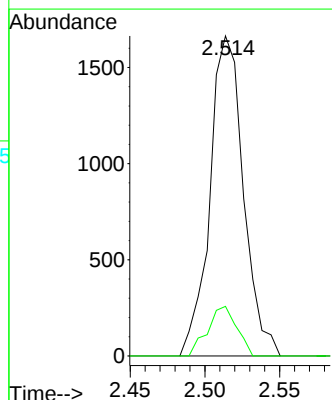
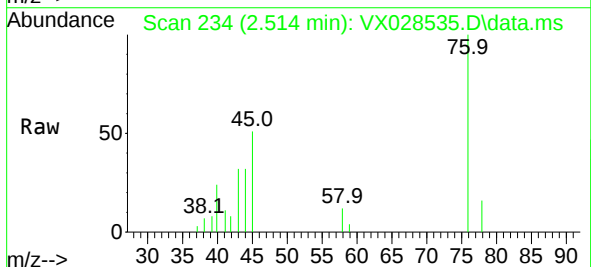
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

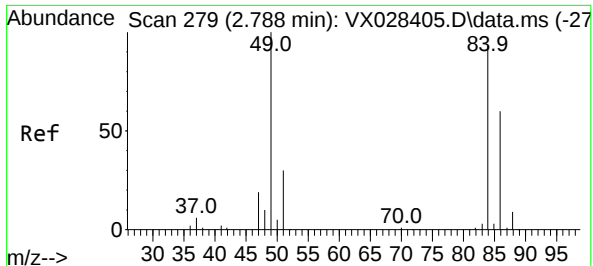
Tgt Ion: 58 Resp: 150703
Ion Ratio Lower Upper
58 100
43 297.5 250.2 375.2



#16
Carbon Disulfide
Concen: 1.047 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

Tgt Ion: 76 Resp: 2595
Ion Ratio Lower Upper
76 100
78 15.5 7.1 10.7#





#18

Methylene Chloride

Concen: 0.280 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX028535.D

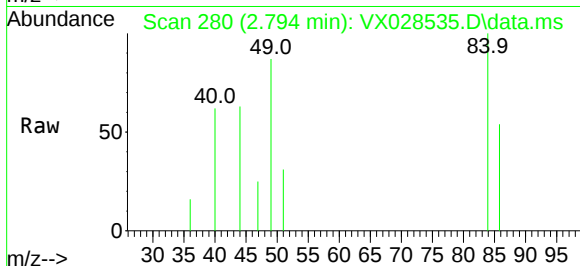
Acq: 05 May 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)



Tgt Ion: 84 Resp: 754

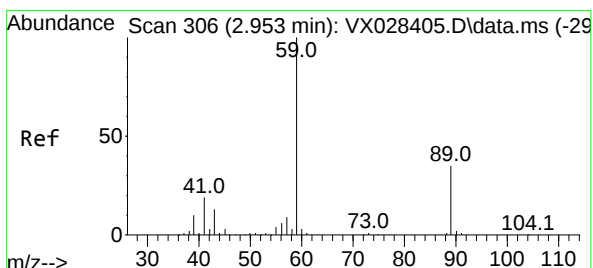
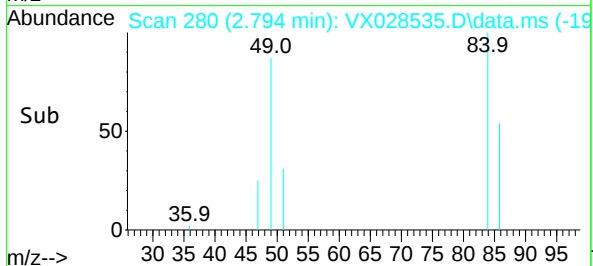
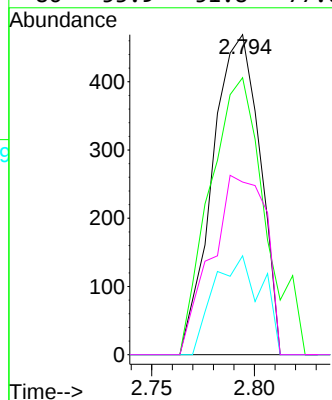
Ion Ratio Lower Upper

84 100

49 86.6 94.2 141.2#

51 30.9 29.2 43.8

86 53.9 51.8 77.6



#23

tert-Butyl Alcohol

Concen: 6.582 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.000 min

Lab File: VX028535.D

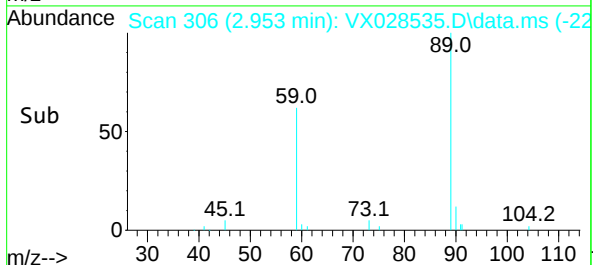
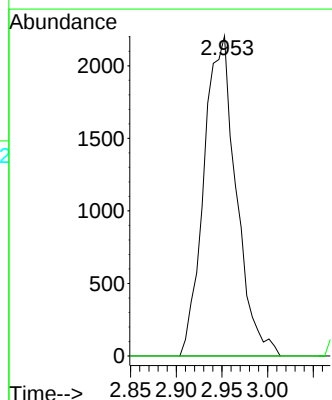
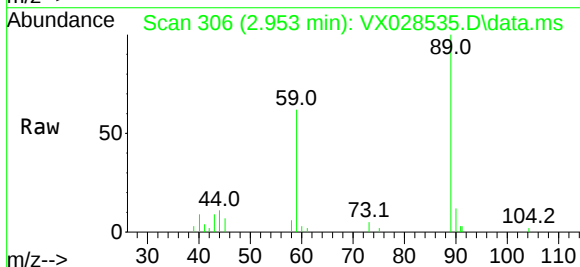
Acq: 05 May 2022 15:37

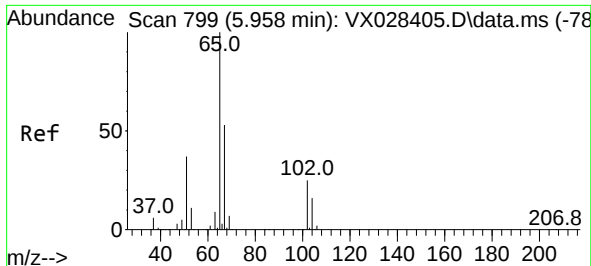
Tgt Ion: 59 Resp: 5417

Ion Ratio Lower Upper

59 100

52 1.5 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 32.249 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX028535.D

Acq: 05 May 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

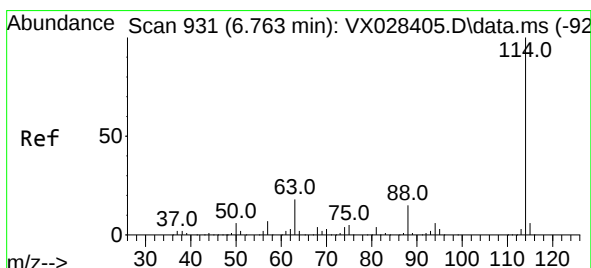
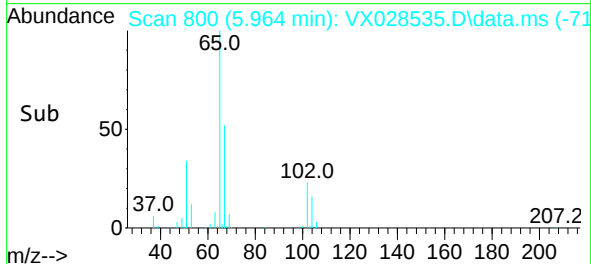
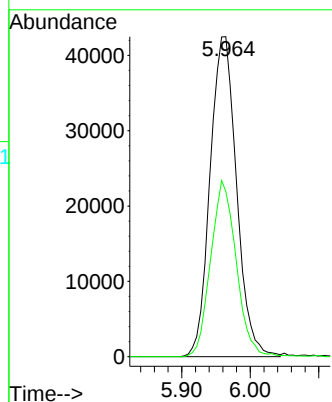
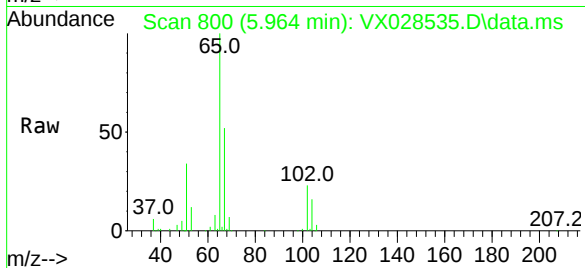
001-WILLETS-PT-BLVD(MAY)

Tgt Ion: 65 Resp: 114053

Ion Ratio Lower Upper

65 100

67 52.7 42.3 63.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028535.D

Acq: 05 May 2022 15:37

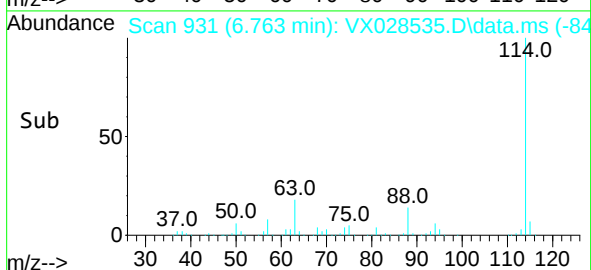
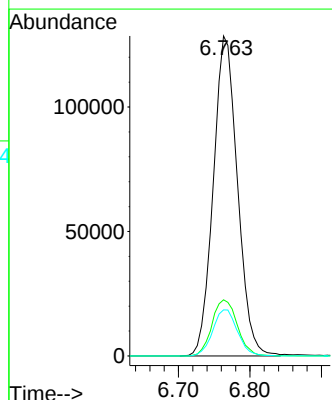
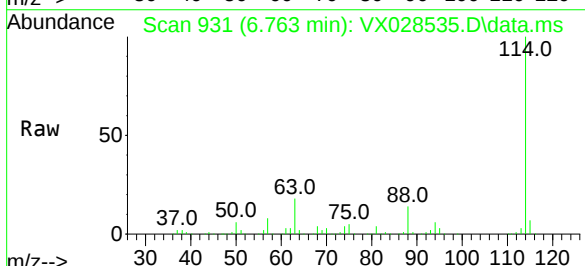
Tgt Ion: 114 Resp: 302211

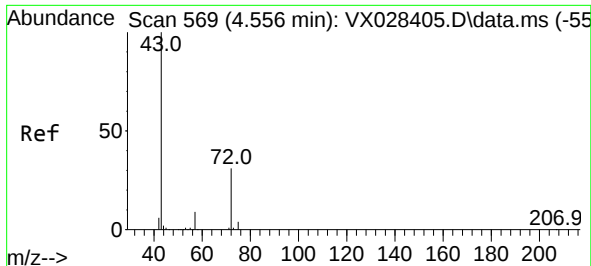
Ion Ratio Lower Upper

114 100

63 18.4 15.3 22.9

88 14.7 12.2 18.4





#30

2-Butanone

Concen: 7.981 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028535.D

Acq: 05 May 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)

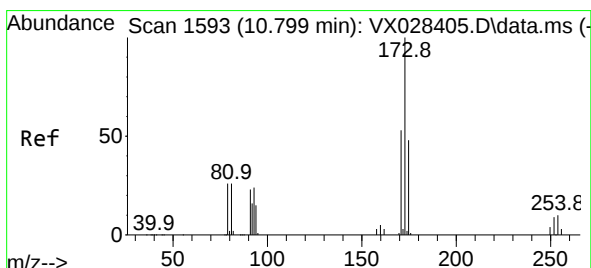
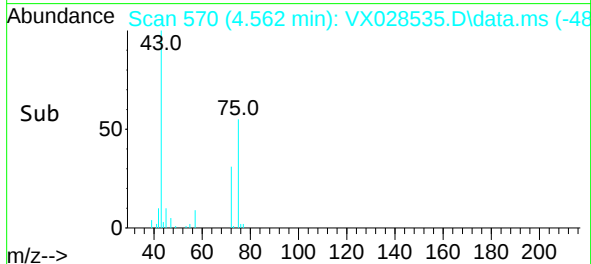
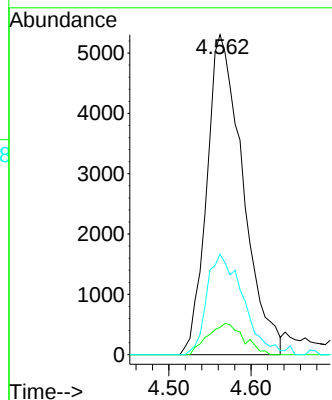
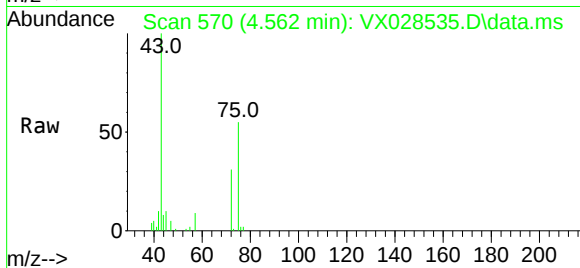
Tgt Ion: 43 Resp: 16169

Ion Ratio Lower Upper

43 100

57 8.5 6.6 10.0

72 30.9 22.1 33.1



#56

Bromoform

Concen: 0.473 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX028535.D

Acq: 05 May 2022 15:37

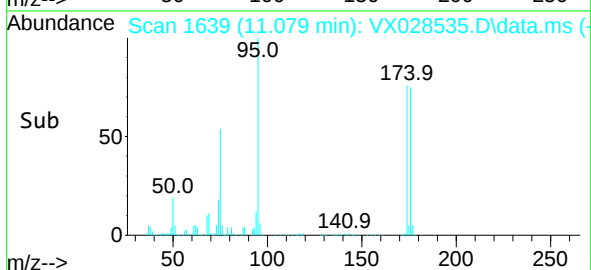
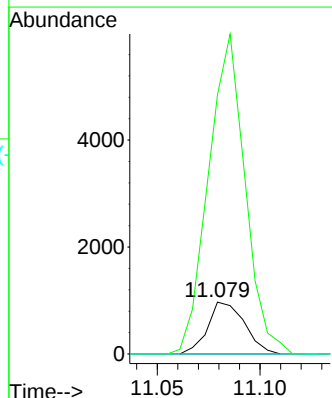
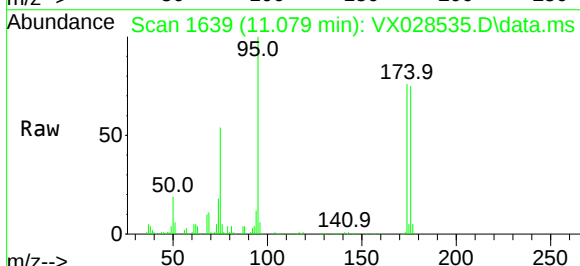
Tgt Ion:173 Resp: 1210

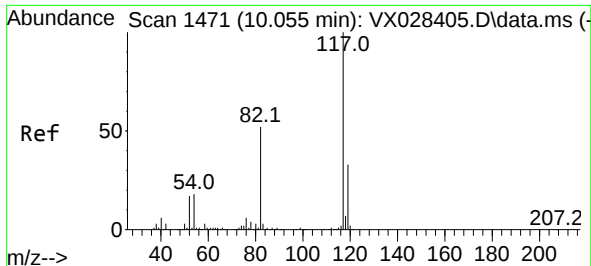
Ion Ratio Lower Upper

173 100

175 612.8 40.3 60.5#

254 0.0 7.4 11.2#

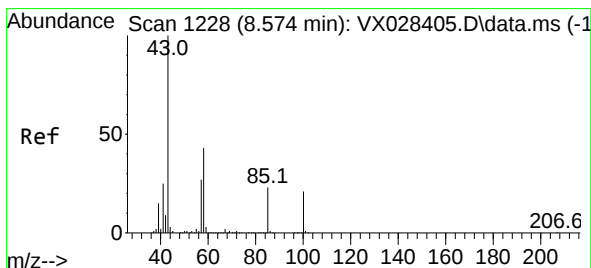
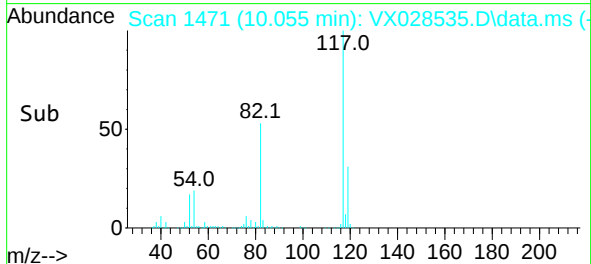
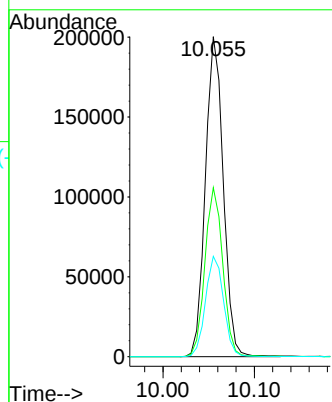
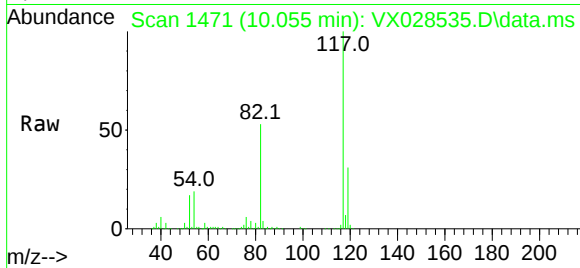




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

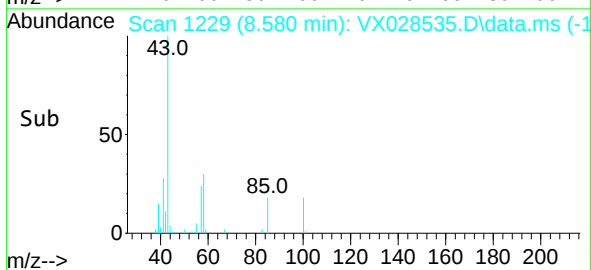
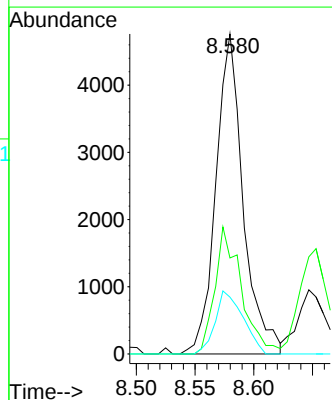
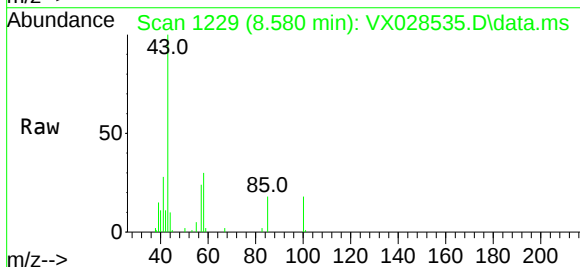
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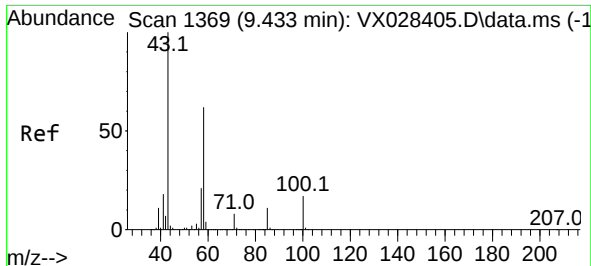
Tgt Ion: 117 Resp: 271884
Ion Ratio Lower Upper
117 100
82 52.6 42.3 63.5
119 31.8 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 1.949 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

Tgt Ion: 43 Resp: 7707
Ion Ratio Lower Upper
43 100
58 38.7 31.8 47.6
85 20.0 15.8 23.6

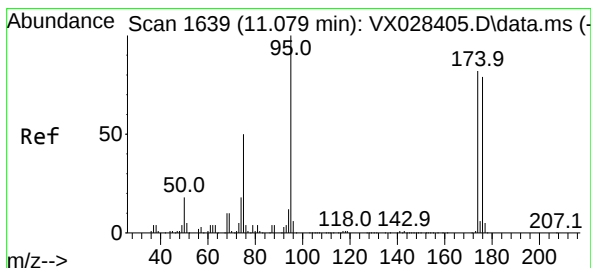
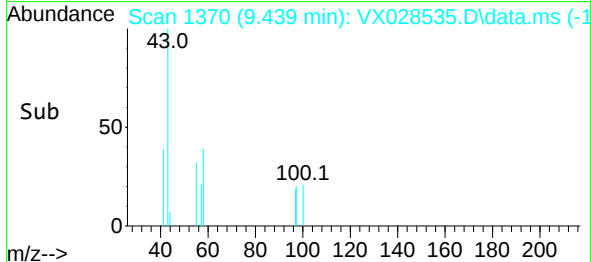
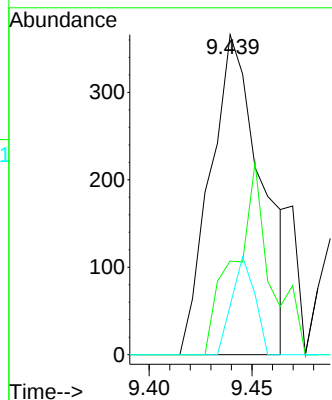
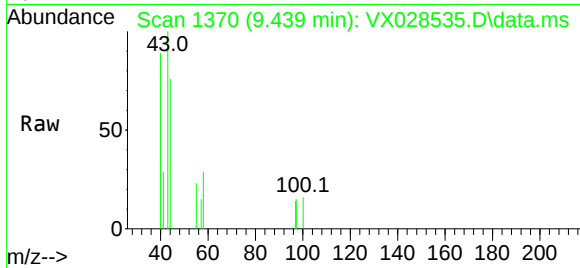




#59
2-Hexanone
Concen: 0.208 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

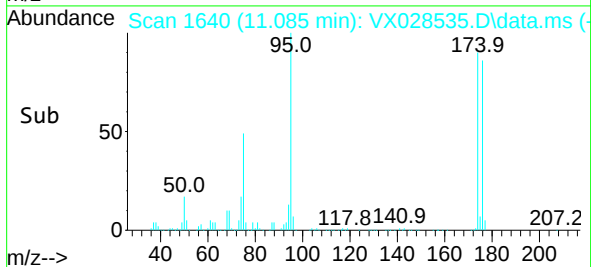
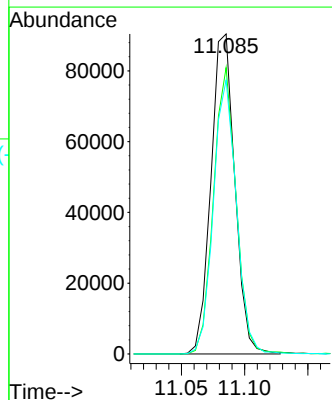
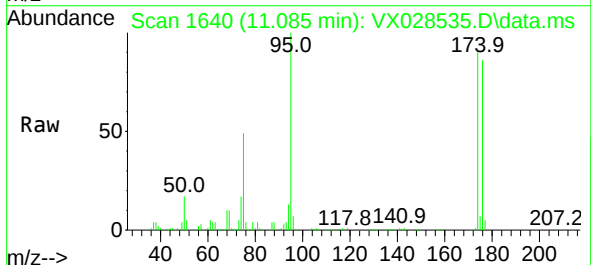
Instrument :
MSVOA_X
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001-WILLETS-PT-BLVD(MAY)

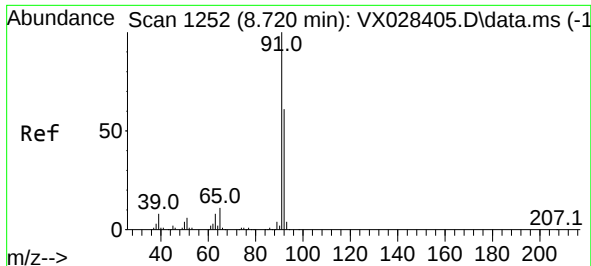
Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
58 17.1 44.1 66.1#
57 0.0 16.2 24.2#



#60
4-Bromofluorobenzene
Concen: 28.106 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

Tgt Ion: 95 Resp: 118838
Ion Ratio Lower Upper
95 100
174 84.2 65.4 98.2
176 82.4 63.4 95.0

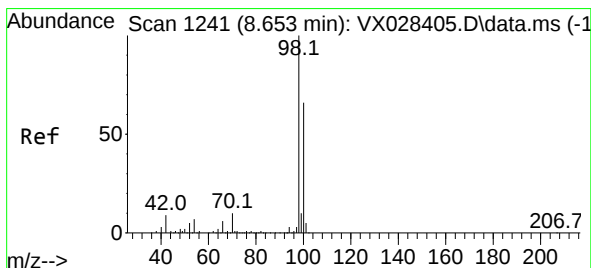
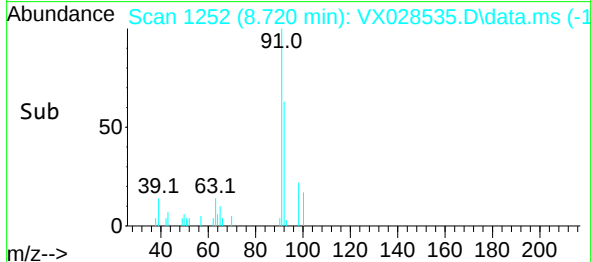
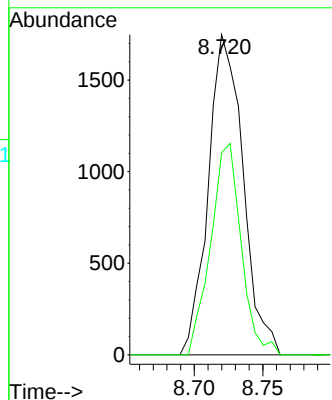
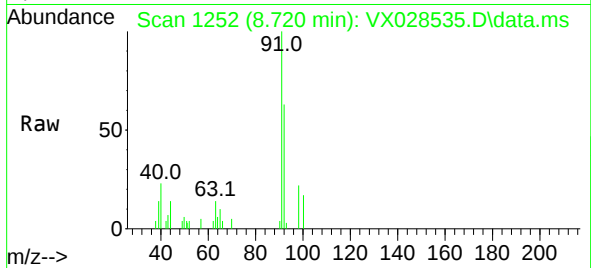




#62
Toluene
Concen: 0.262 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

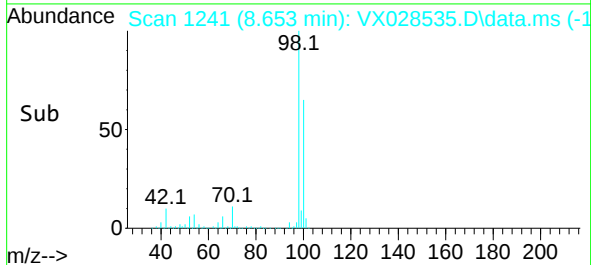
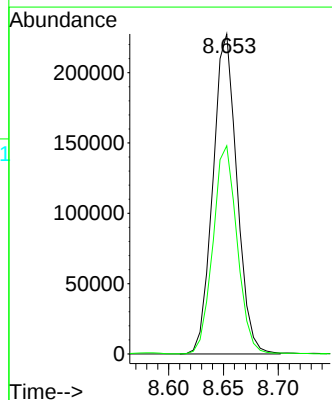
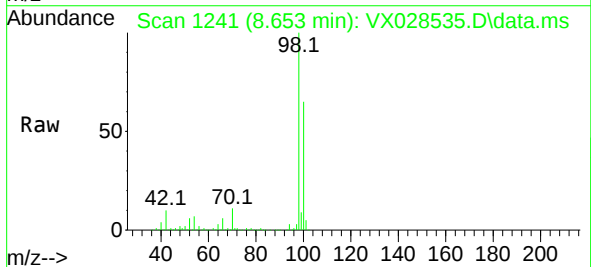
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)

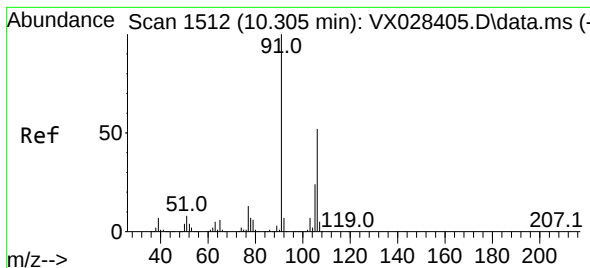
Tgt Ion: 91 Resp: 3089
Ion Ratio Lower Upper
91 100
92 57.9 48.1 72.1



#63
Toluene-d8
Concen: 30.075 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

Tgt Ion: 98 Resp: 346392
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.2

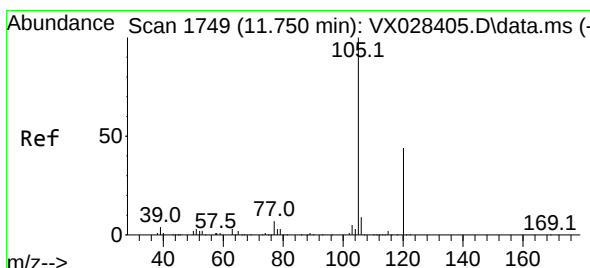
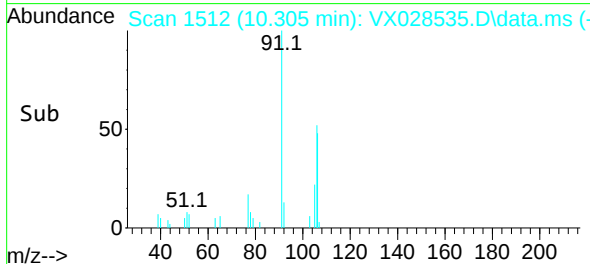
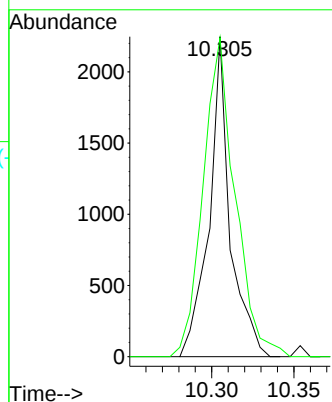
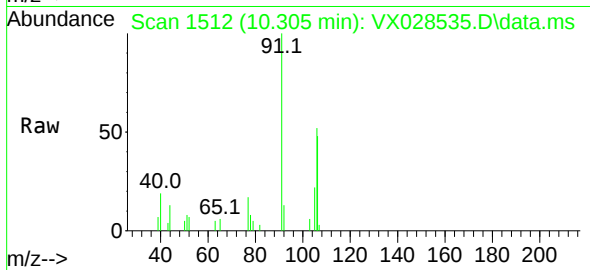




#67
m/p-Xylenes
Concen: 0.354 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

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

Tgt Ion:106 Resp: 1974
Ion Ratio Lower Upper
106 100
91 153.0 159.5 239.3#



#80
1,2,4-Trimethylbenzene
Concen: 0.316 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX028535.D
Acq: 05 May 2022 15:37

Tgt Ion:105 Resp: 3920
Ion Ratio Lower Upper
105 100
120 47.7 0.0 89.6

