

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
 Data File : VX033376.D
 Acq On : 12 Dec 2022 15:51
 Operator : JC/MD
 Sample : N5939-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Dec 13 07:31:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:37:35 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022

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

Internal Standards						
1) Bromochloromethane	4.904	128	12419	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	86633	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	93429	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	34454	31.589	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.300%			
60) 4-Bromofluorobenzene	11.079	95	49768	28.761	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.867%			
63) Toluene-d8	8.653	98	93287	30.016	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.067%			
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.703	43	819	0.543	ug/l	90
15) Acetone	2.386	58	26400	140.003	ug/l	98
16) Carbon Disulfide	2.514	76	2158	0.748	ug/l #	94
18) Methylene Chloride	2.788	84	466m	0.375	ug/l	
25) Chloroform	5.093	83	1467	0.591	ug/l #	78
30) 2-Butanone	4.562	43	10845m	13.250	ug/l	
58) 4-Methyl-2-Pentanone	8.580	43	4148	2.746	ug/l	99
62) Toluene	8.720	91	53592	9.450	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	1526	0.286	ug/l	77
82) p-Isopropyltoluene	12.012	119	3134	0.568	ug/l	96

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

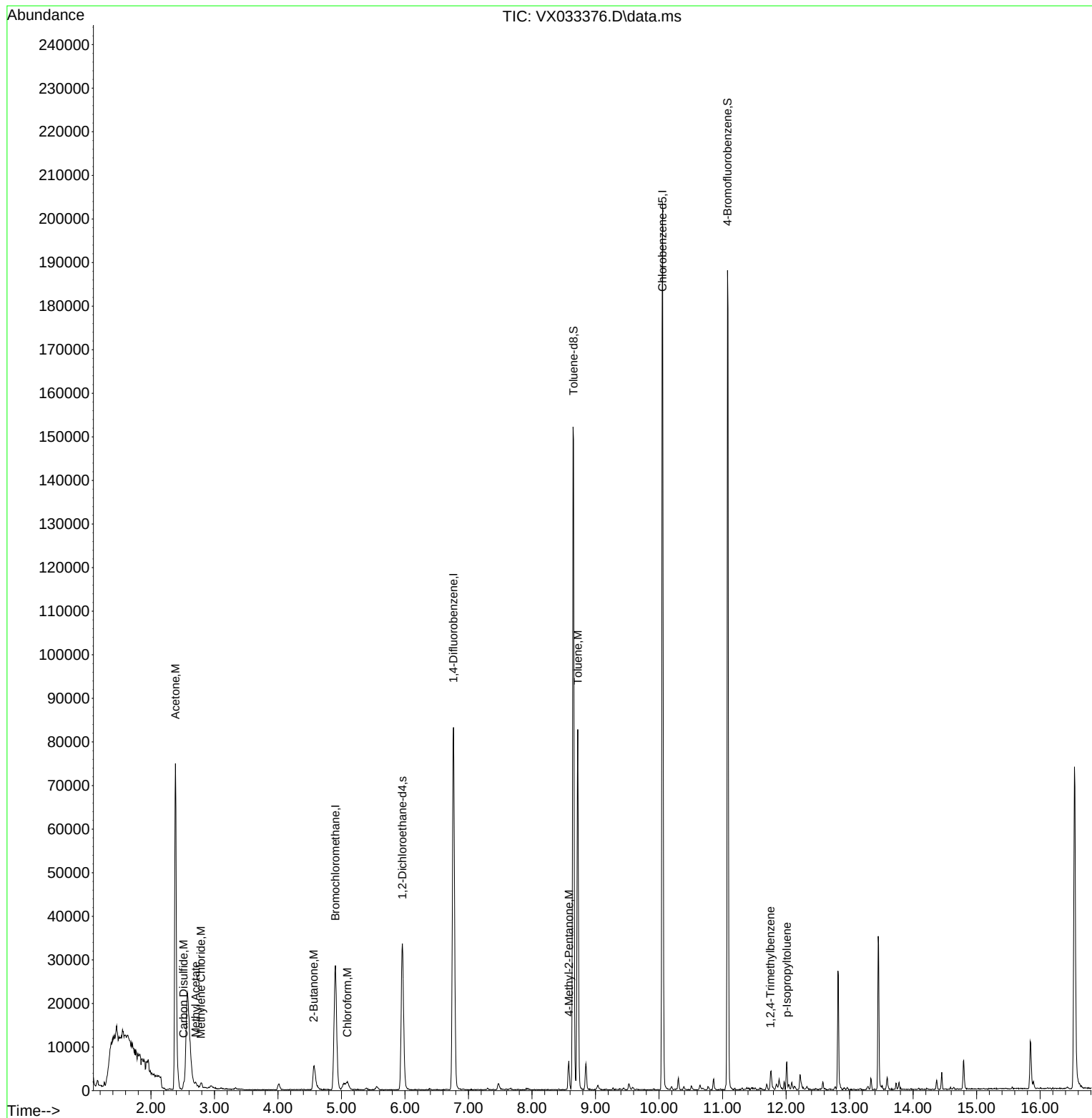
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
Data File : VX033376.D
Acq On : 12 Dec 2022 15:51
Operator : JC/MD
Sample : N5939-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

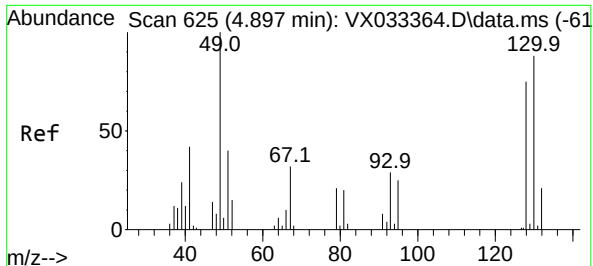
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Quant Time: Dec 13 07:31:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 12 12:37:35 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

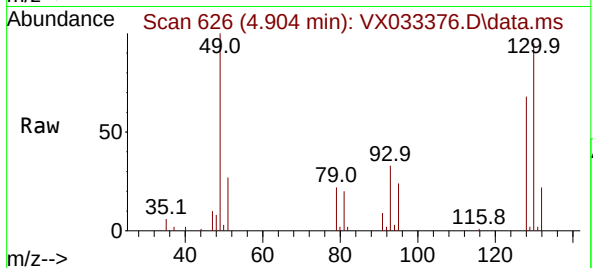
Reviewed By : John Carlone 12/13/2022
Supervised By : Mahesh Dadoda 12/13/2022





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51

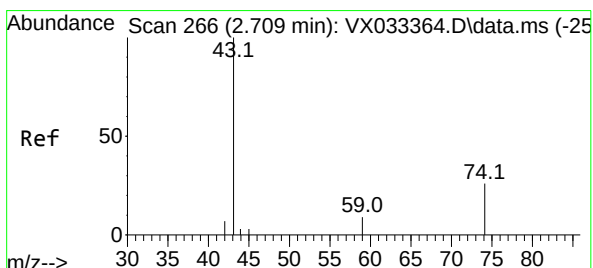
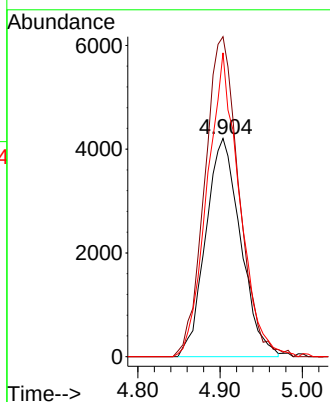
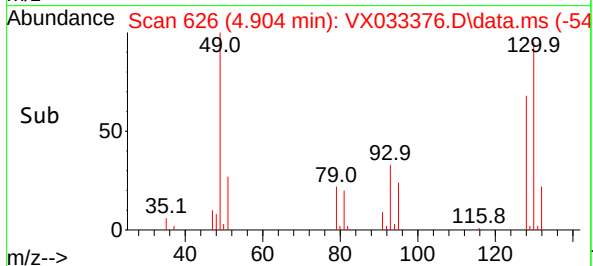
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)



Tgt Ion:128 Resp: 12419
Ion Ratio Lower Upper
128 100
49 143.8 0.0 339.5
130 129.3 0.0 318.0

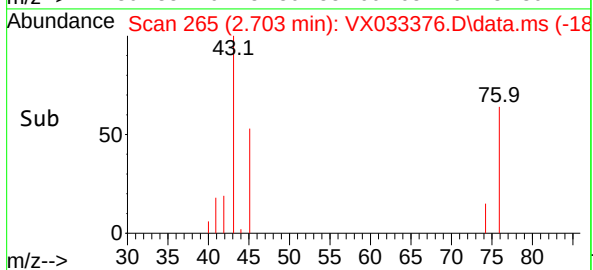
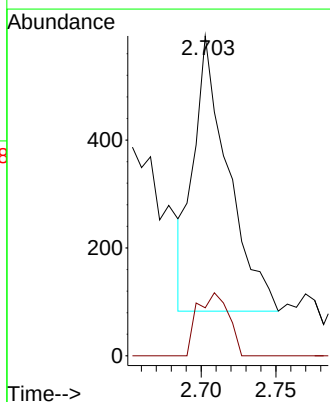
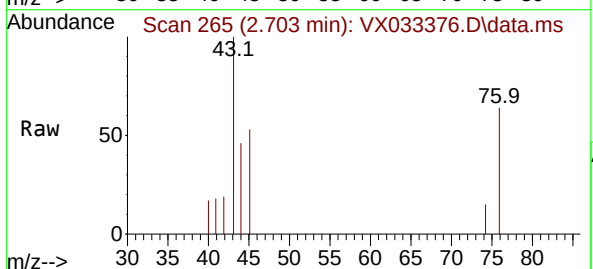
Manual Integrations
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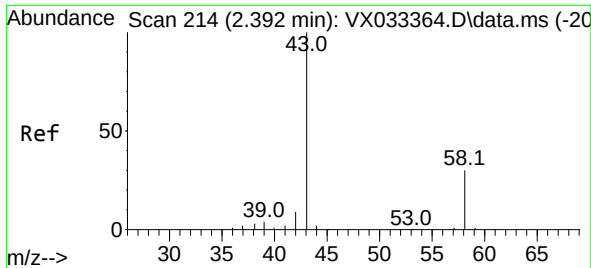
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#12
Methyl Acetate
Concen: 0.543 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51

Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
74 21.0 20.6 31.0





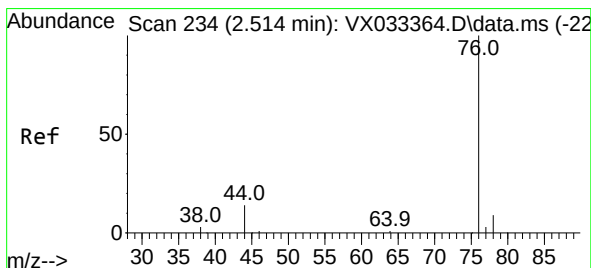
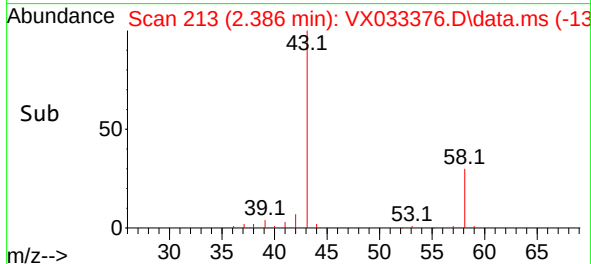
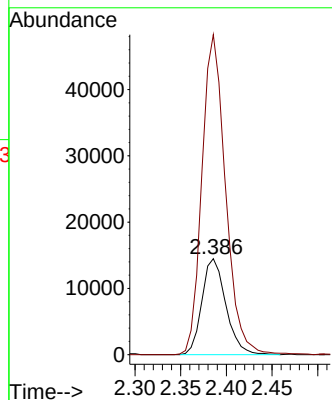
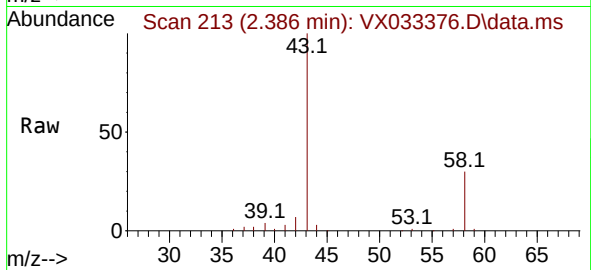
#15
Acetone
Concen: 140.003 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51

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

Tgt Ion: 58 Resp: 26400
Ion Ratio Lower Upper
58 100
43 332.6 262.9 394.3

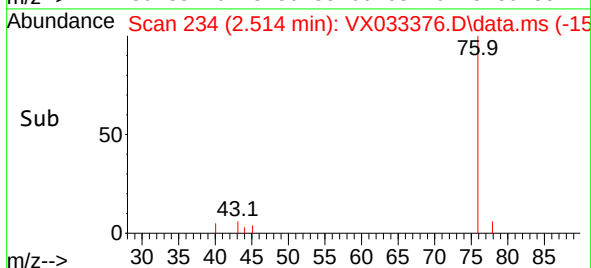
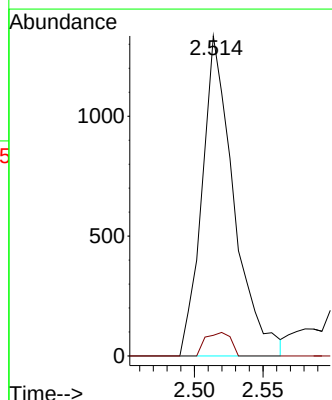
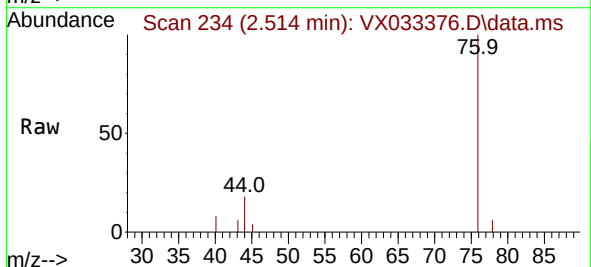
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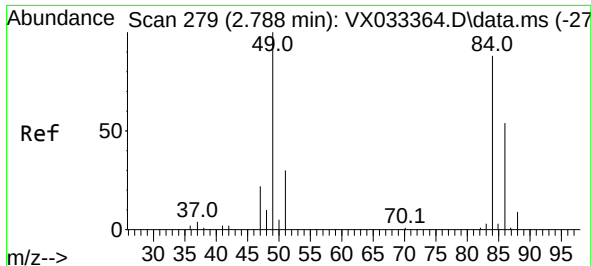
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#16
Carbon Disulfide
Concen: 0.748 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51

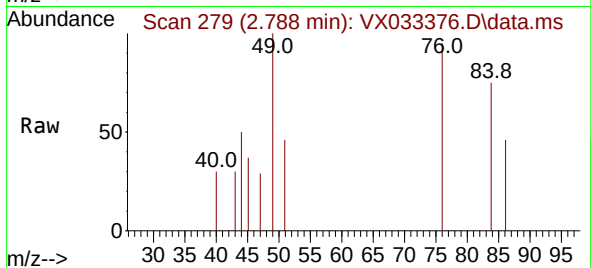
Tgt Ion: 76 Resp: 2158
Ion Ratio Lower Upper
76 100
78 6.4 7.0 10.4#





#18
Methylene Chloride
Concen: 0.375 ug/l m
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51

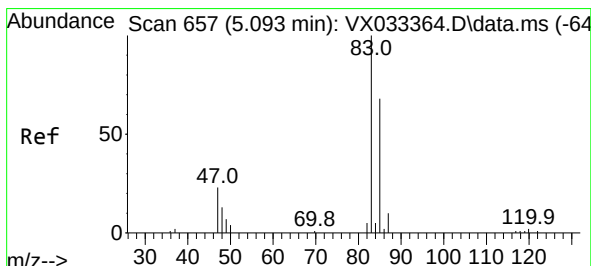
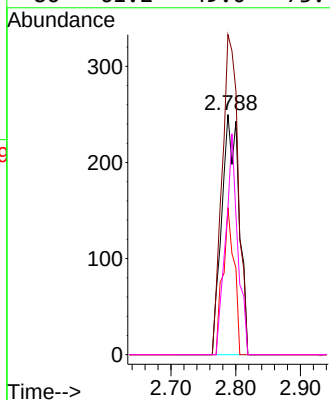
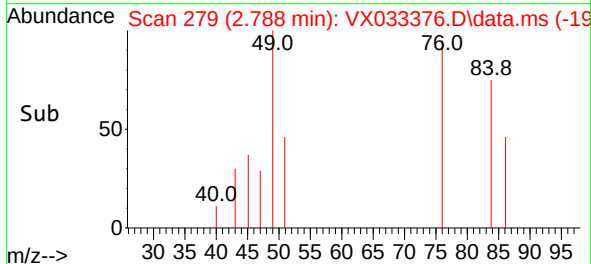
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)



Tgt Ion: 84 Resp: 460
Ion Ratio Lower Upper
84 100
49 133.2 91.2 136.8
51 61.2 27.3 40.9
86 61.2 49.0 73.4

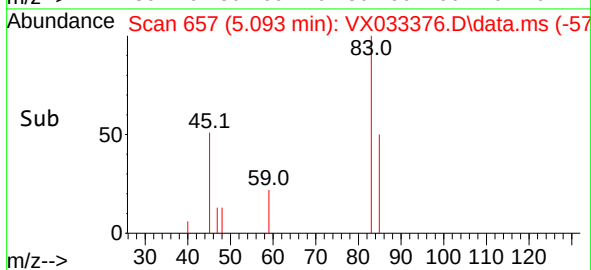
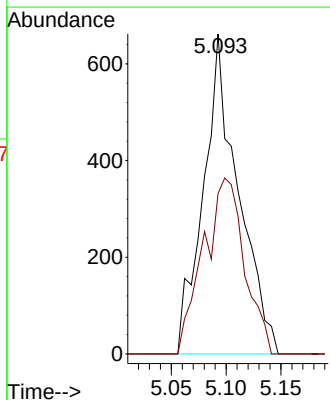
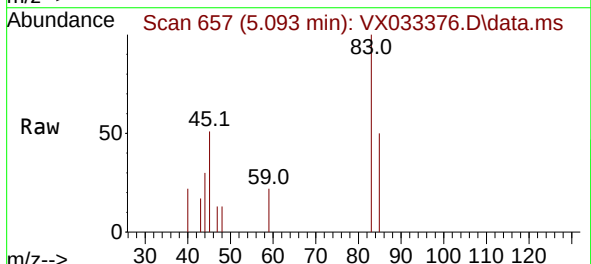
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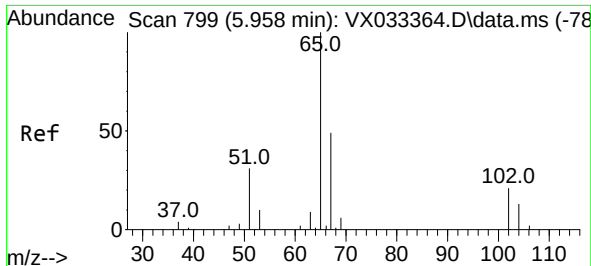
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#25
Chloroform
Concen: 0.591 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51

Tgt Ion: 83 Resp: 1467
Ion Ratio Lower Upper
83 100
85 50.2 54.2 81.2#





#27

1,2-Dichloroethane-d4

Concen: 31.589 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033376.D

Acq: 12 Dec 2022 15:51

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 65 Resp: 34454

Ion Ratio Lower Upper

65 100

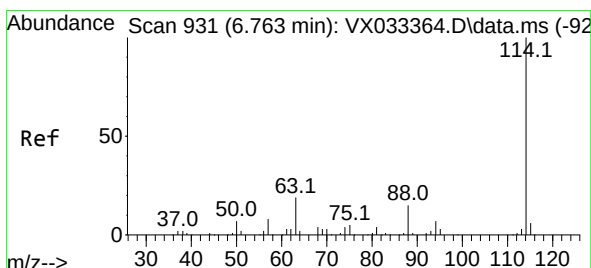
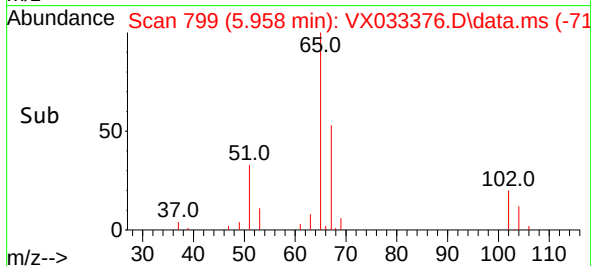
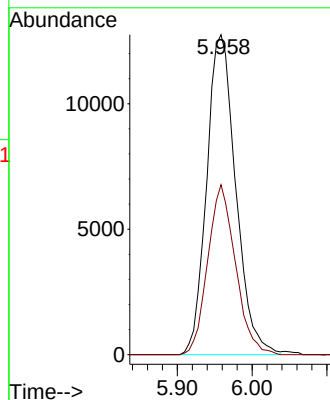
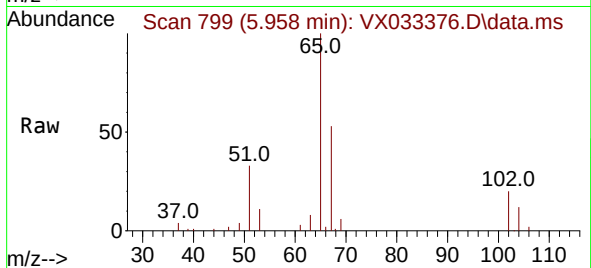
67 50.7 39.8 59.8

Manual Integrations

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Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033376.D

Acq: 12 Dec 2022 15:51

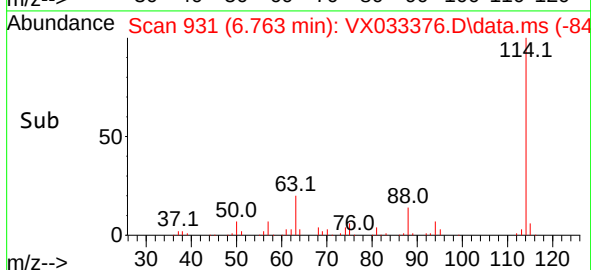
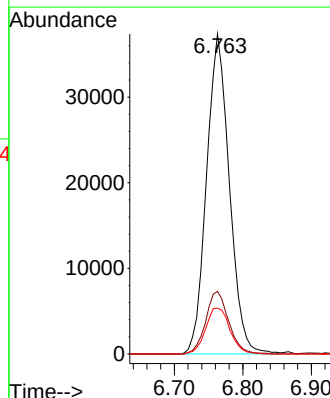
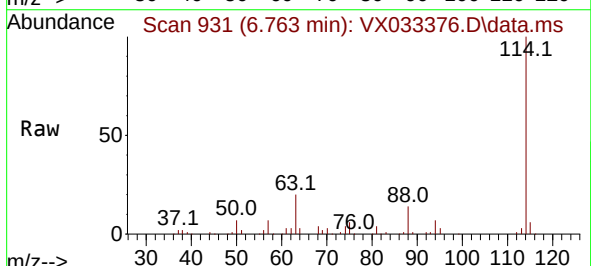
Tgt Ion:114 Resp: 86633

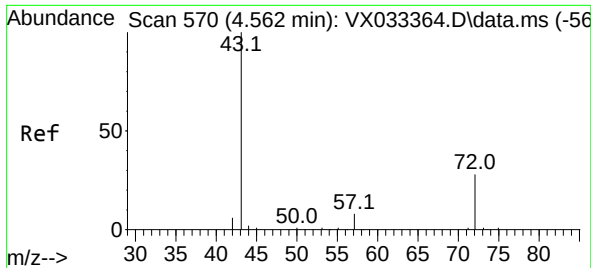
Ion Ratio Lower Upper

114 100

63 19.6 15.2 22.8

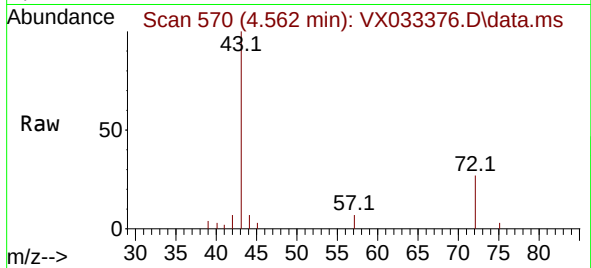
88 15.3 12.2 18.4





#30
2-Butanone
Concen: 13.250 ug/l m
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51

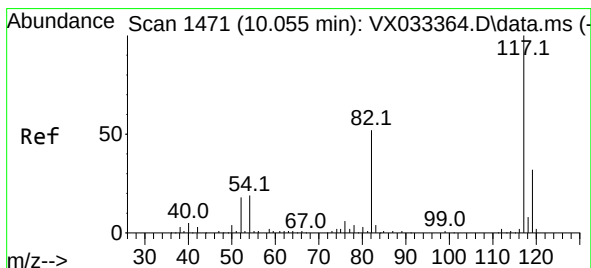
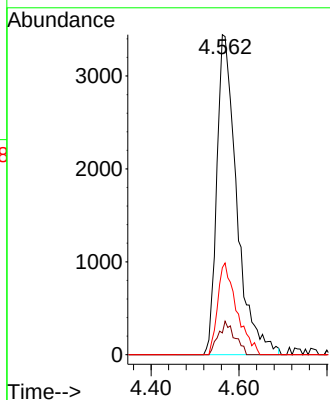
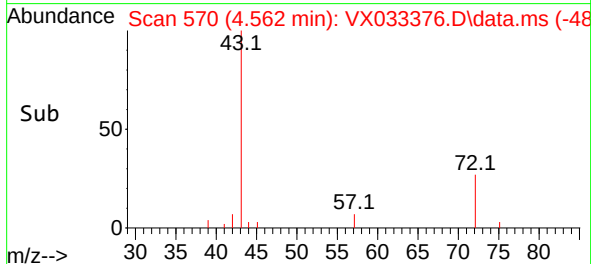
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)



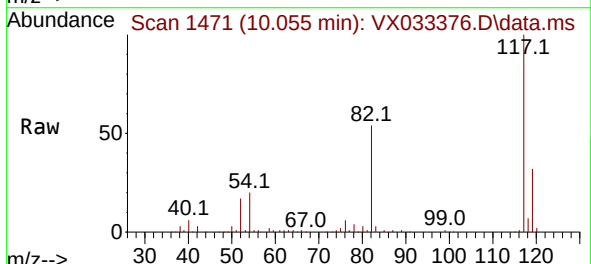
Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
57 7.4 6.6 9.8
72 27.2 22.5 33.7

Manual Integrations
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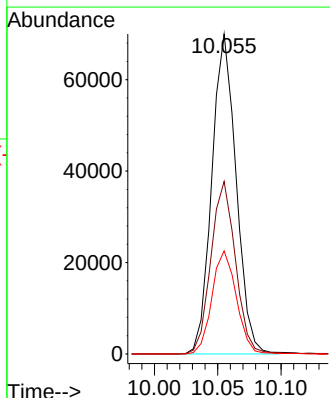
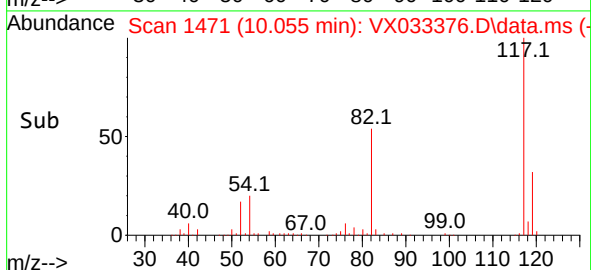
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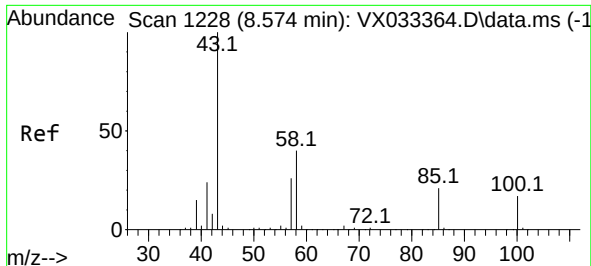


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51



Tgt Ion:117 Resp: 93429
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 32.4 25.6 38.4





#58

4-Methyl-2-Pentanone

Concen: 2.746 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX033376.D

Acq: 12 Dec 2022 15:51

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(DEC)

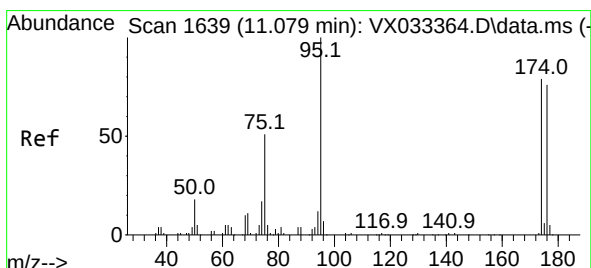
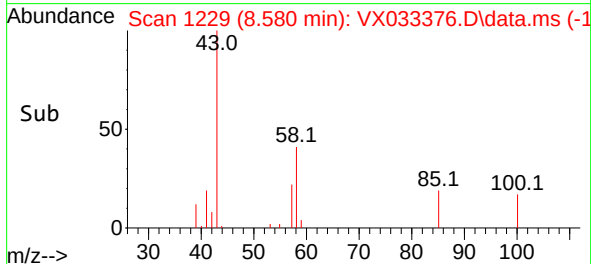
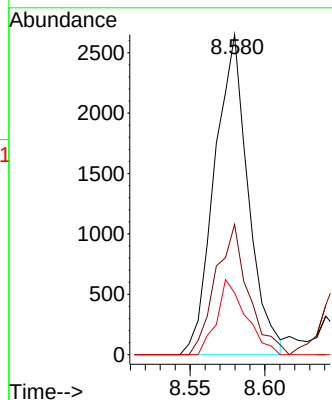
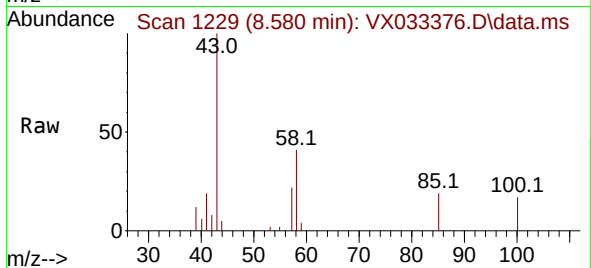
Tgt Ion: 43	Resp: 4148
Ion Ratio	Lower Upper
43 100	
58 39.5	32.3 48.5
85 20.3	16.6 24.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/13/2022



#60

4-Bromofluorobenzene

Concen: 28.761 ug/l

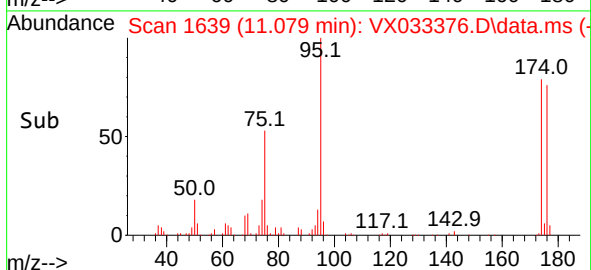
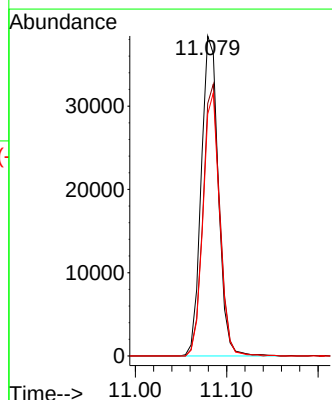
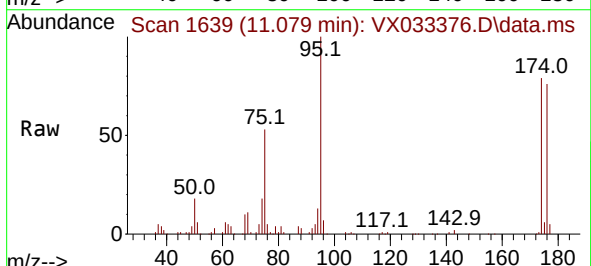
RT: 11.079 min Scan# 1639

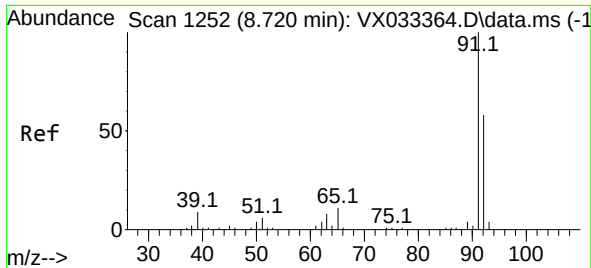
Delta R.T. 0.000 min

Lab File: VX033376.D

Acq: 12 Dec 2022 15:51

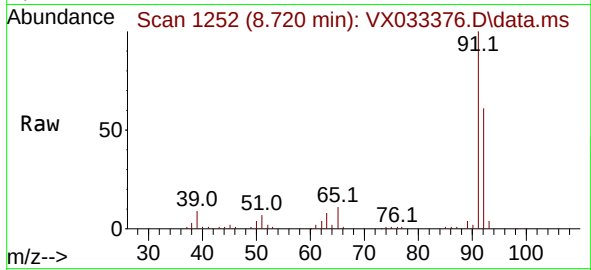
Tgt Ion: 95	Resp: 49768
Ion Ratio	Lower Upper
95 100	
174 83.4	65.9 98.9
176 80.0	63.3 94.9





#62
Toluene
Concen: 9.450 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51

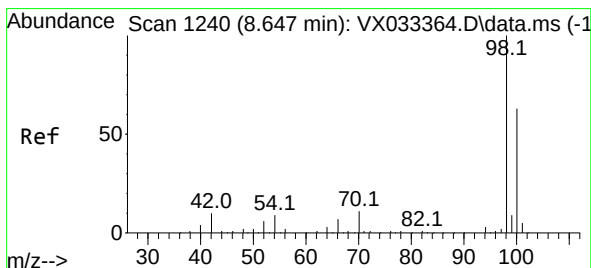
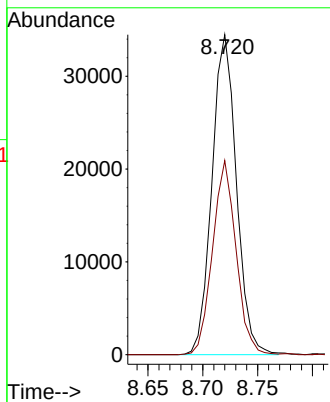
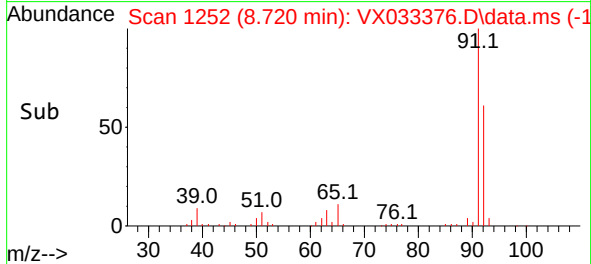
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(DEC)



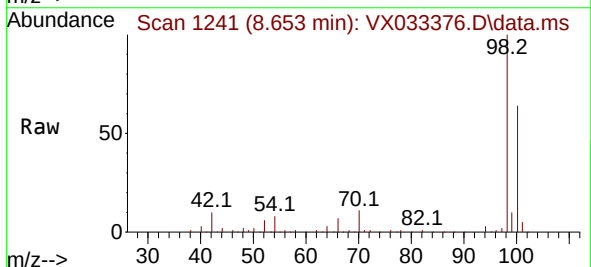
Tgt Ion: 91 Resp: 53592
Ion Ratio Lower Upper
91 100
92 58.2 46.2 69.2

Manual Integrations
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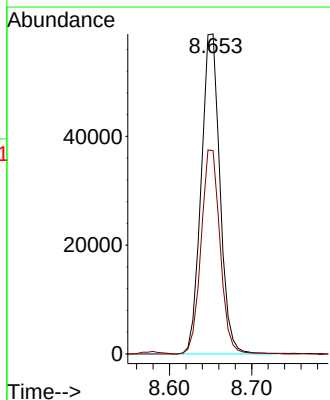
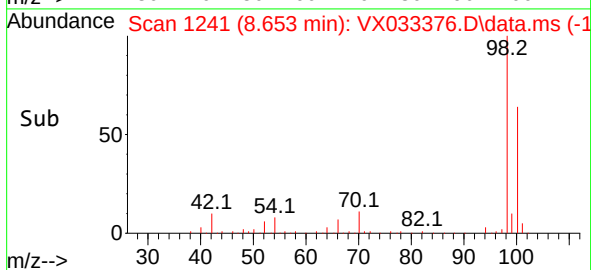
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

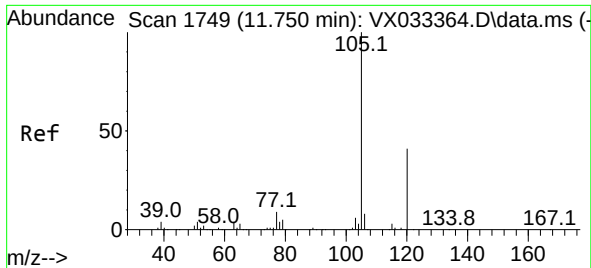


#63
Toluene-d8
Concen: 30.016 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX033376.D
Acq: 12 Dec 2022 15:51



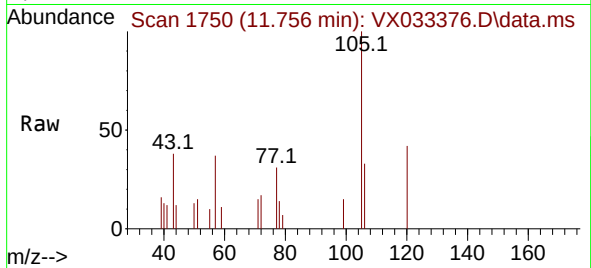
Tgt Ion: 98 Resp: 93287
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2





#80
 1,2,4-Trimethylbenzene
 Concen: 0.286 ug/l
 RT: 11.756 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VX033376.D
 Acq: 12 Dec 2022 15:51

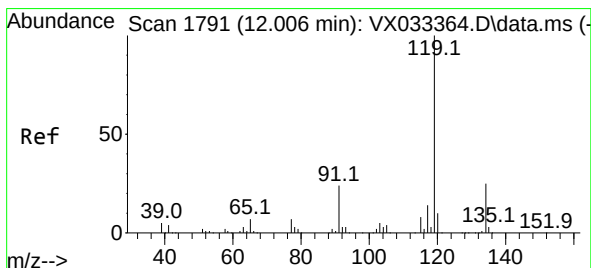
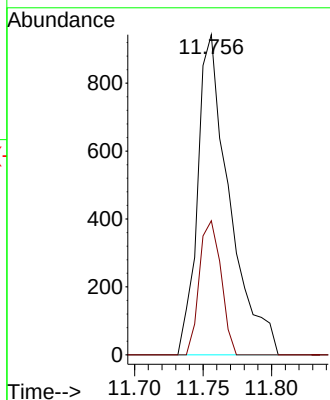
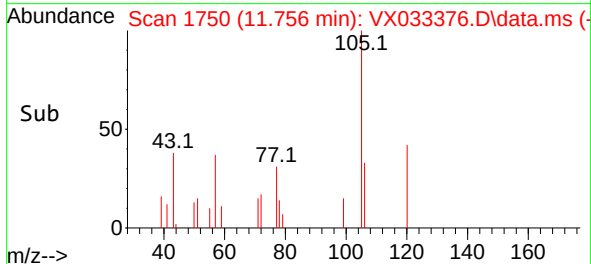
Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(DEC)



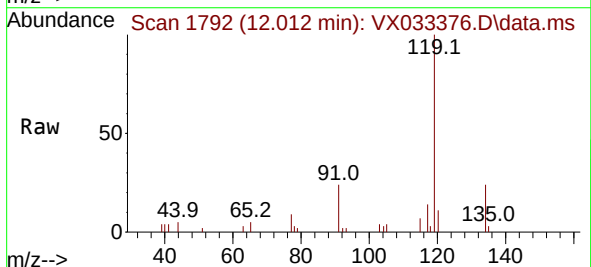
Tgt Ion:105 Resp: 1520
 Ion Ratio Lower Upper
 105 100
 120 28.4 0.0 86.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022



#82
 p-Isopropyltoluene
 Concen: 0.568 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX033376.D
 Acq: 12 Dec 2022 15:51



Tgt Ion:119 Resp: 3134
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 52.6
 91 27.5 0.0 47.2

