

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042850.D
 Acq On : 02 Aug 2024 18:31
 Operator : JC/MD
 Sample : P3446-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 02 21:36:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:32:14 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024
 Supervised By :Semsettin Yesilyurt 08/05/2024

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

Internal Standards						
1) Bromochloromethane	4.903	128	15123	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	85923	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	81208	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	39706	26.758	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.200%#		
60) 4-Bromofluorobenzene	11.079	95	38901	28.719	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.733%		
63) Toluene-d8	8.647	98	105653	29.497	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.333%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.715	43	1554	0.880	ug/l #	86
15) Acetone	2.386	58	31565	152.341	ug/l	92
16) Carbon Disulfide	2.508	76	1545	0.801	ug/l	95
18) Methylene Chloride	2.794	84	1582	1.343	ug/l #	93
30) 2-Butanone	4.574	43	21531m	27.065	ug/l	
58) 4-Methyl-2-Pentanone	8.580	43	4535	3.169	ug/l	96
62) Toluene	8.720	91	984975	239.995	ug/l	100
66) Ethyl Benzene	10.195	91	1156m	0.252	ug/l	
67) m/p-Xylenes	10.311	106	882	0.497	ug/l	87
76) 1,3,5-Trimethylbenzene	11.457	105	1043	0.272	ug/l	79
80) 1,2,4-Trimethylbenzene	11.756	105	3184	0.835	ug/l	57
81) sec-Butylbenzene	11.890	105	1274	0.266	ug/l	89
82) p-Isopropyltoluene	12.012	119	5528	1.388	ug/l	93
83) 1,3-Dichlorobenzene	11.975	146	801	0.391	ug/l	89
84) 1,4-Dichlorobenzene	12.042	146	3579	1.732	ug/l	90
85) n-Butylbenzene	12.335	91	1830	0.528	ug/l	93
89) 1,2,4-Trichlorobenzene	13.585	180	1016	0.820	ug/l #	83
90) Hexachlorobutadiene	13.719	225	189	0.362	ug/l	89
91) Naphthalene	13.780	128	2787	0.606	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	759	0.595	ug/l	90

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

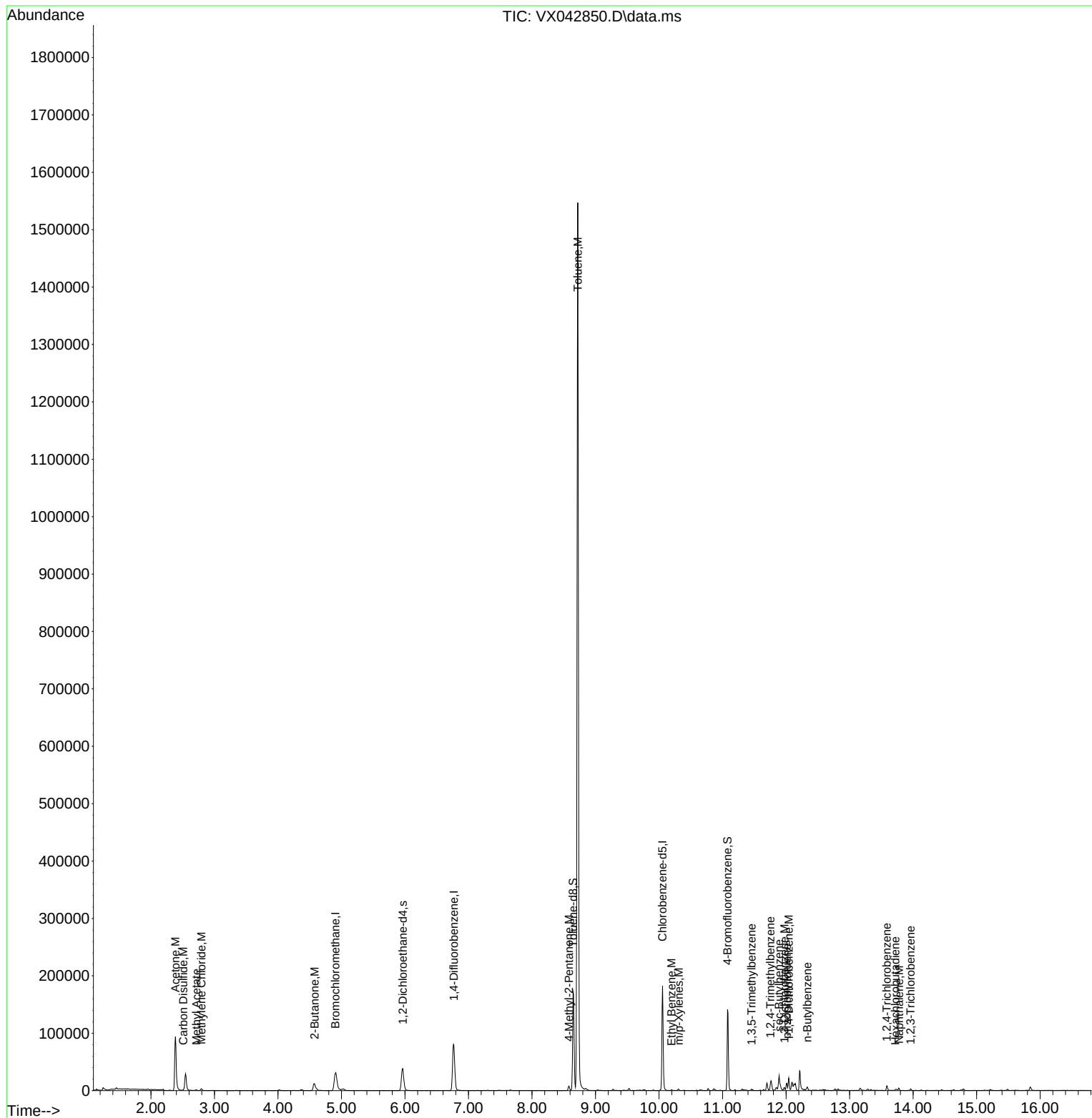
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
Data File : VX042850.D
Acq On : 02 Aug 2024 18:31
Operator : JC/MD
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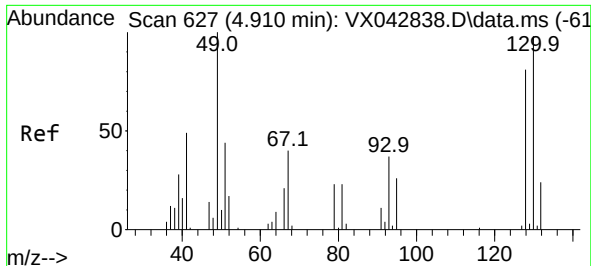
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

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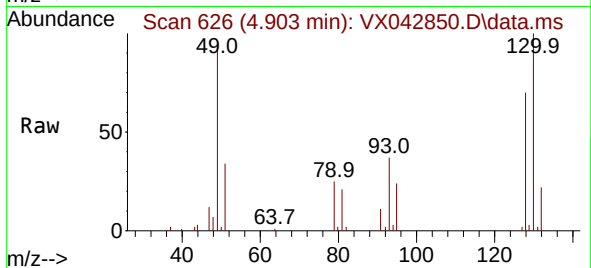
Quant Time: Aug 02 21:36:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 02 21:32:14 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

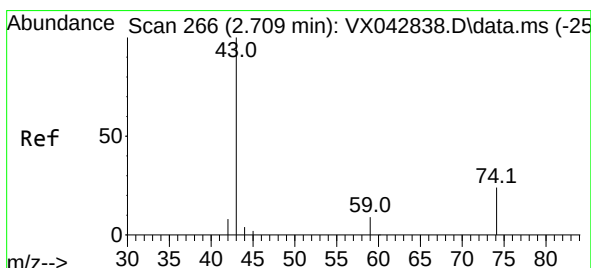
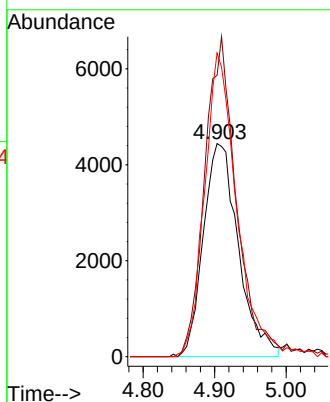
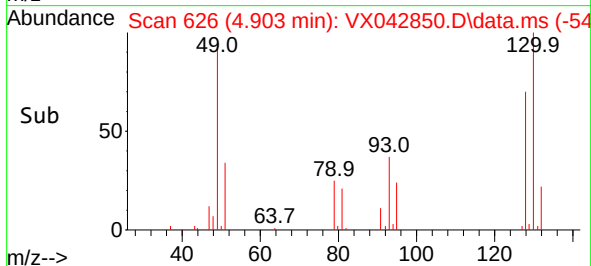
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



Tgt Ion:128 Resp: 1512
Ion Ratio Lower Upper
128 100
49 129.9 0.0 338.5
130 130.2 0.0 324.5

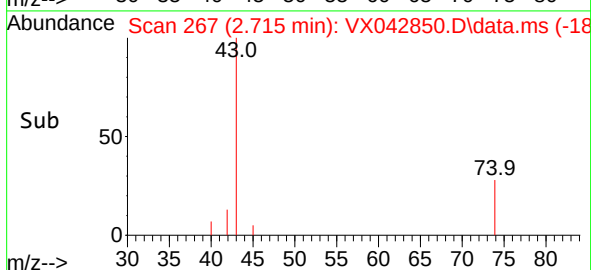
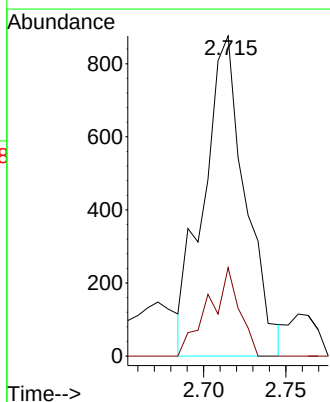
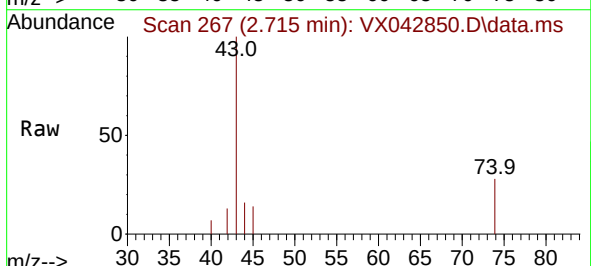
Manual Integrations
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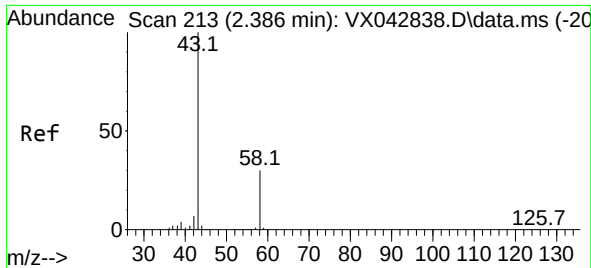
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#12
Methyl Acetate
Concen: 0.880 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

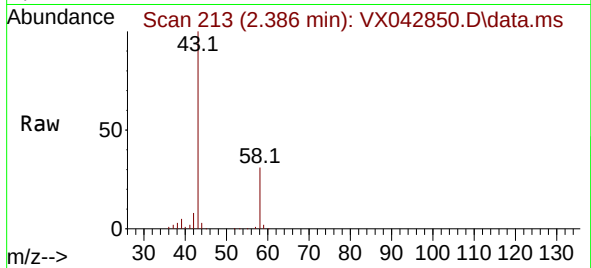
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
74 31.2 19.4 29.2#





#15
Acetone
Concen: 152.341 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

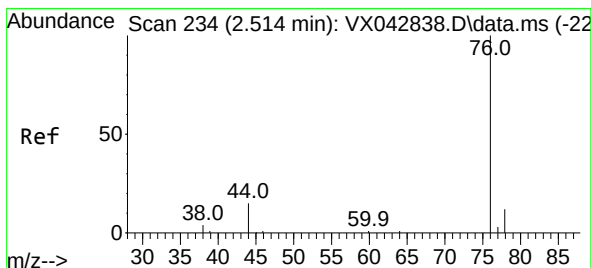
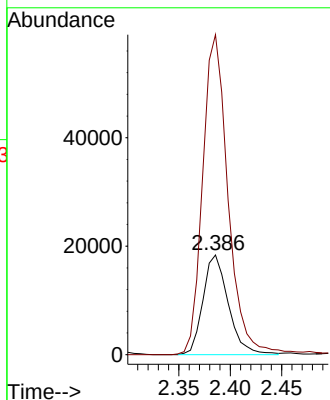
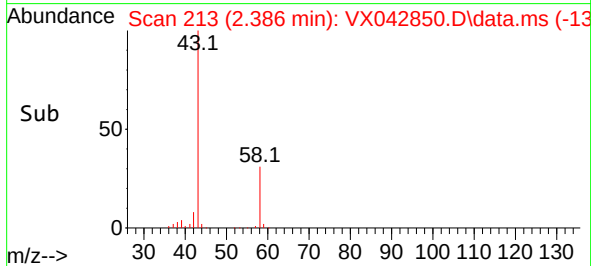
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



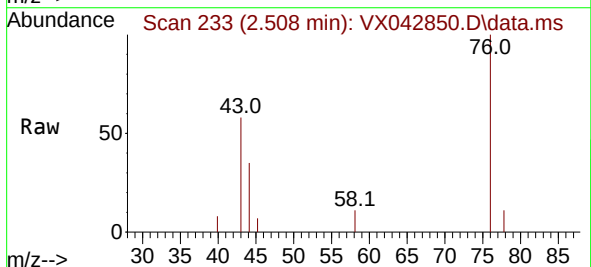
Tgt Ion: 58 Resp: 3156
Ion Ratio Lower Upper
58 100
43 320.0 243.4 365.2

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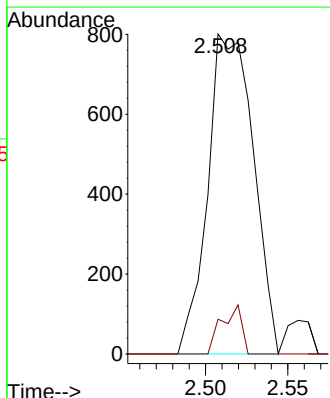
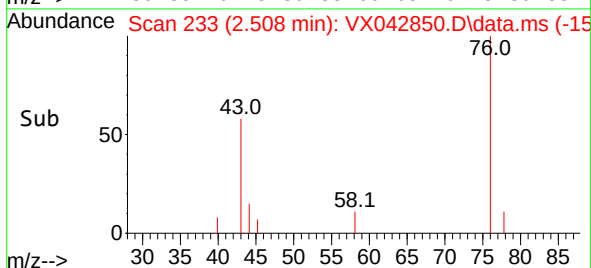
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024

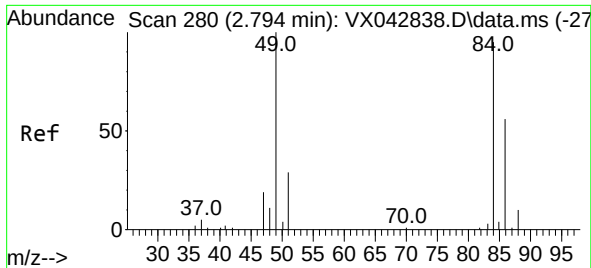


#16
Carbon Disulfide
Concen: 0.801 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31



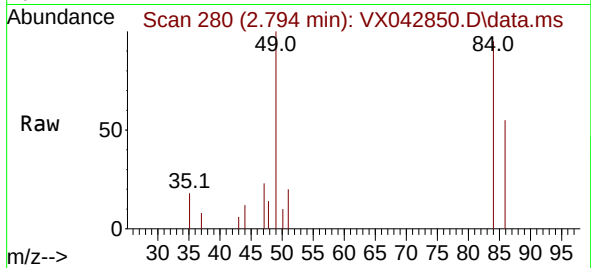
Tgt Ion: 76 Resp: 1545
Ion Ratio Lower Upper
76 100
78 10.9 7.3 10.9





#18
Methylene Chloride
Concen: 1.343 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

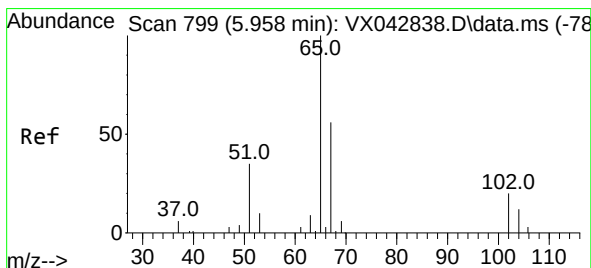
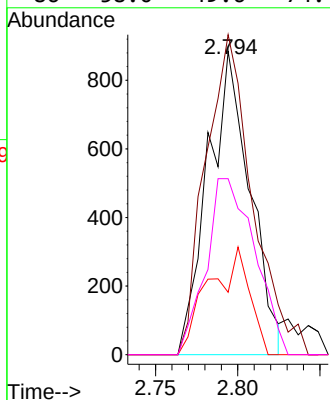
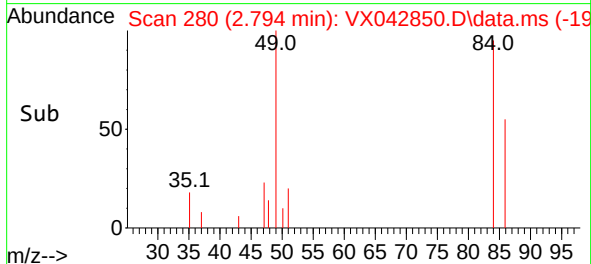
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



Tgt Ion: 84 Resp: 1582
Ion Ratio Lower Upper
84 100
49 105.4 85.3 127.9
51 20.6 28.5 42.7
86 58.0 49.6 74.4

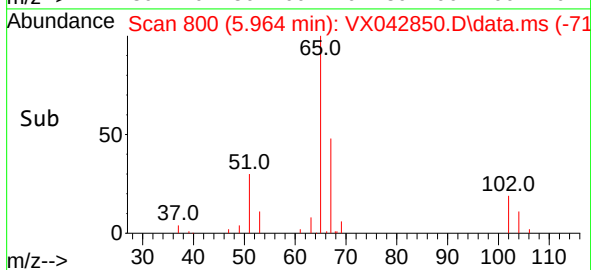
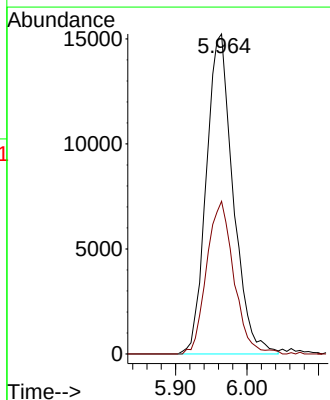
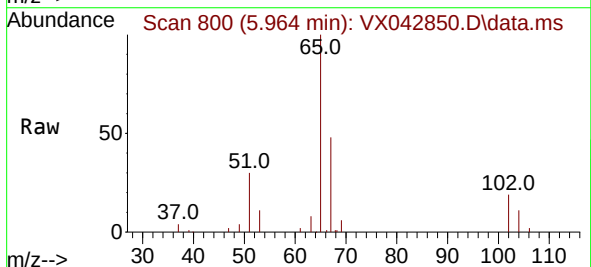
Manual Integrations
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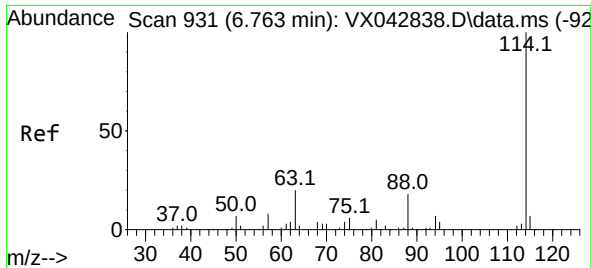
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#27
1,2-Dichloroethane-d4
Concen: 26.758 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

Tgt Ion: 65 Resp: 39706
Ion Ratio Lower Upper
65 100
67 47.9 43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX042850.D

Acq: 02 Aug 2024 18:31

Instrument :

MSVOA_X

ClientSampleId :

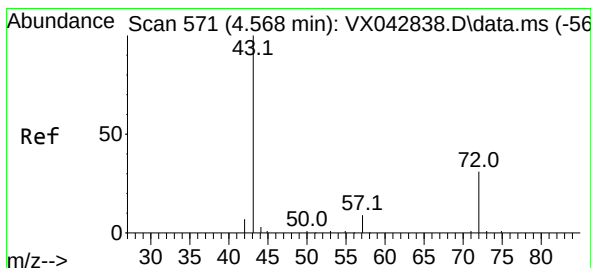
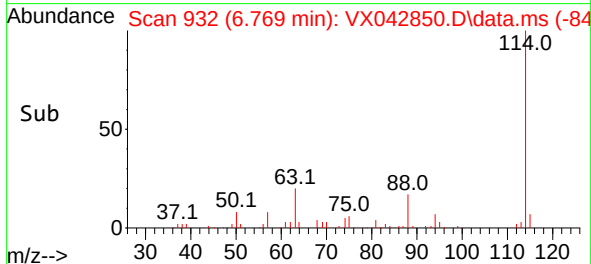
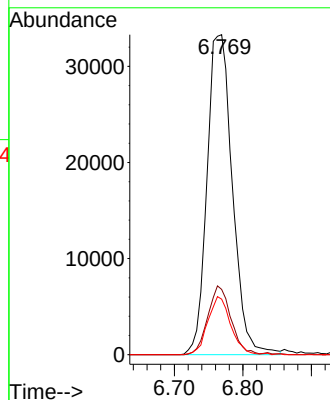
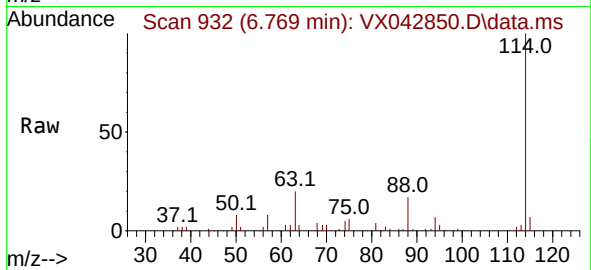
001-WILLETS-PT-BLVD(JULY)

Tgt Ion:	114	Resp:	8592
Ion Ratio	Lower	Upper	
114	100		
63	19.5	14.6	21.8
88	16.4	11.8	17.8

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Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#30

2-Butanone

Concen: 27.065 ug/l m

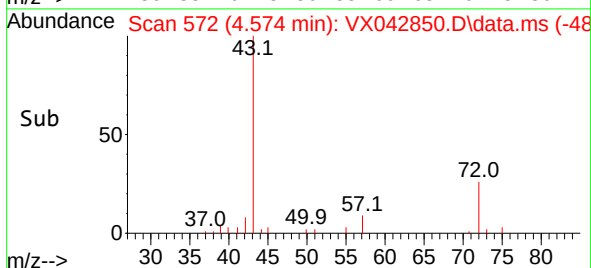
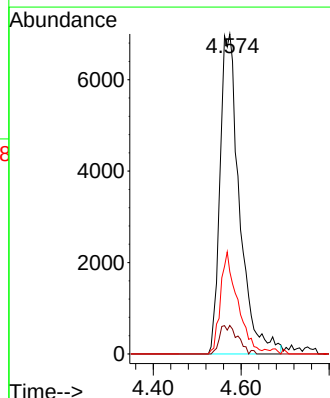
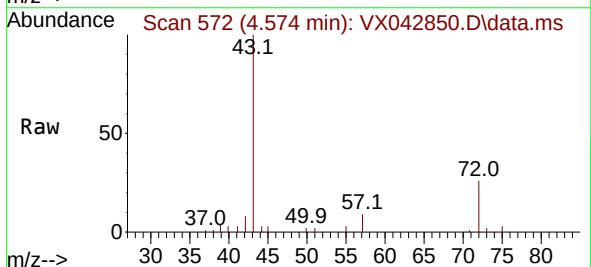
RT: 4.574 min Scan# 572

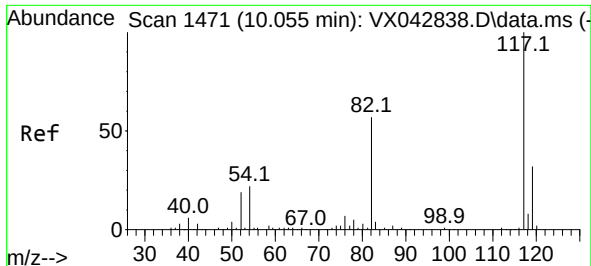
Delta R.T. 0.006 min

Lab File: VX042850.D

Acq: 02 Aug 2024 18:31

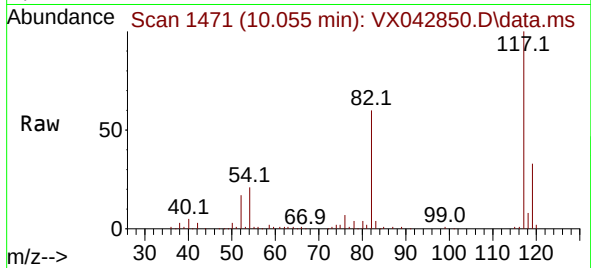
Tgt Ion:	43	Resp:	21531
Ion Ratio	Lower	Upper	
43	100		
57	3.8	6.5	9.7#
72	28.2	22.0	33.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

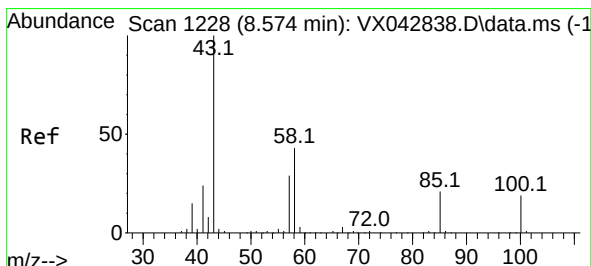
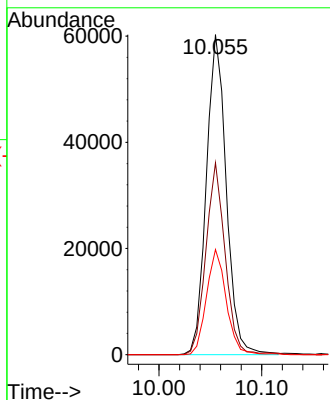
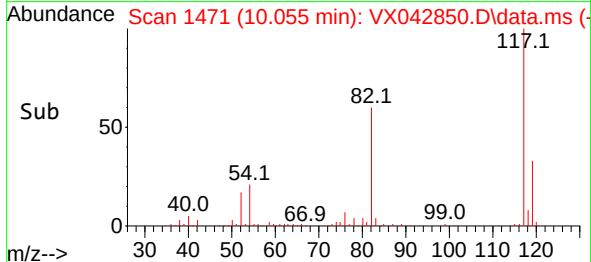
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JULY)



Tgt Ion: 117 Resp: 81208
Ion Ratio Lower Upper
117 100
82 57.6 41.1 61.7
119 32.6 26.1 39.1

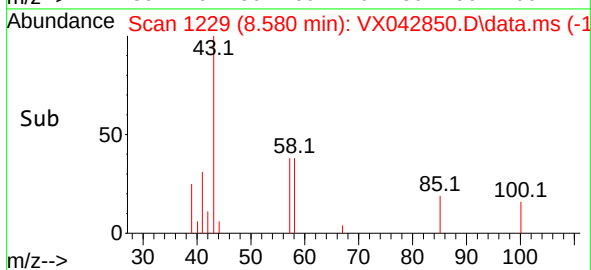
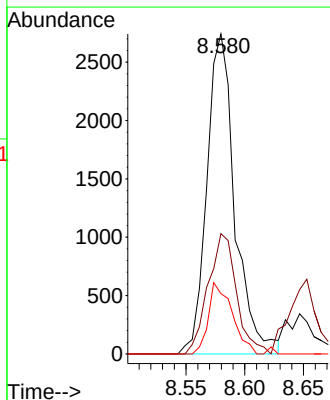
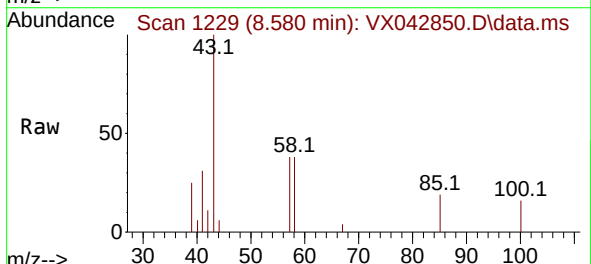
Manual Integrations
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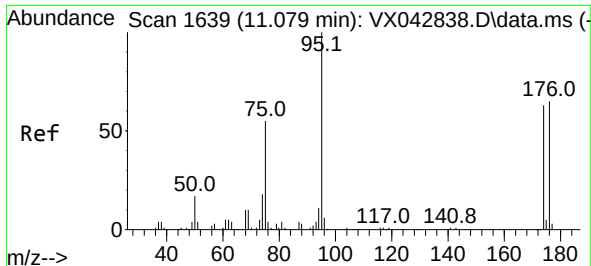
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#58
4-Methyl-2-Pentanone
Concen: 3.169 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

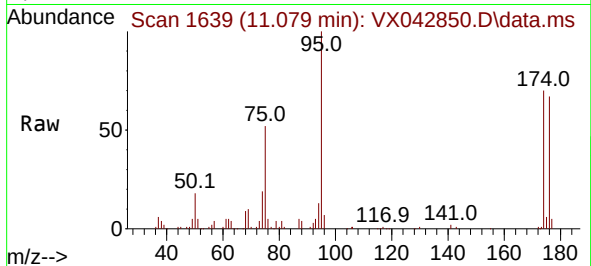
Tgt Ion: 43 Resp: 4535
Ion Ratio Lower Upper
43 100
58 38.2 33.2 49.8
85 19.0 15.5 23.3





#60
4-Bromofluorobenzene
Concen: 28.719 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

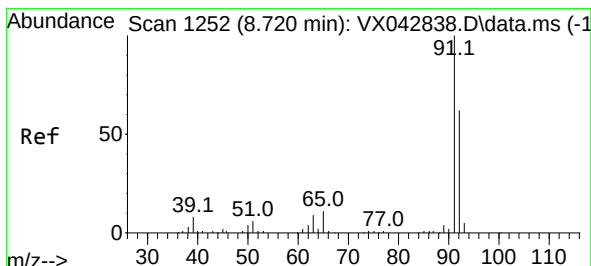
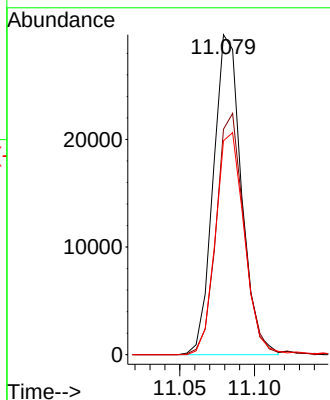
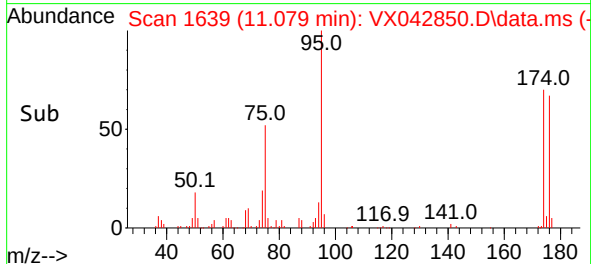
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JULY)



Tgt Ion: 95 Resp: 3890
Ion Ratio Lower Upper
95 100
174 74.0 78.9 118.3
176 70.9 77.1 115.7

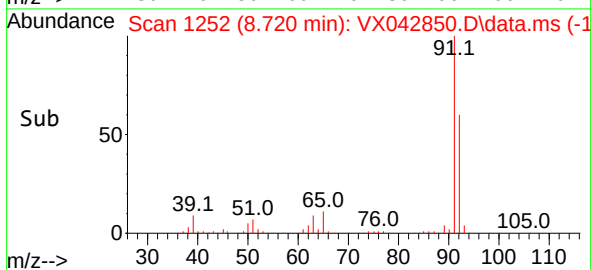
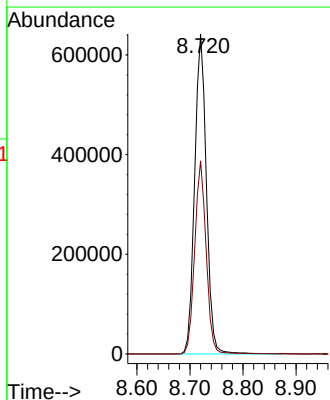
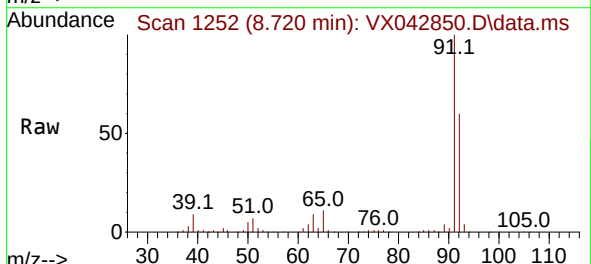
Manual Integrations
APPROVED

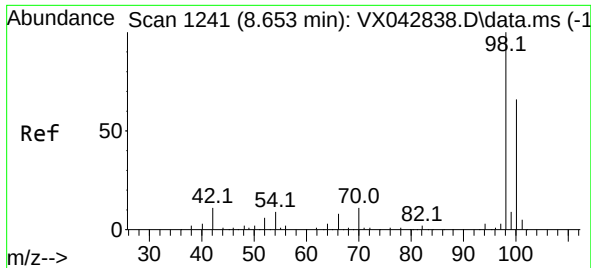
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#62
Toluene
Concen: 239.995 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

Tgt Ion: 91 Resp: 984975
Ion Ratio Lower Upper
91 100
92 59.1 47.4 71.2





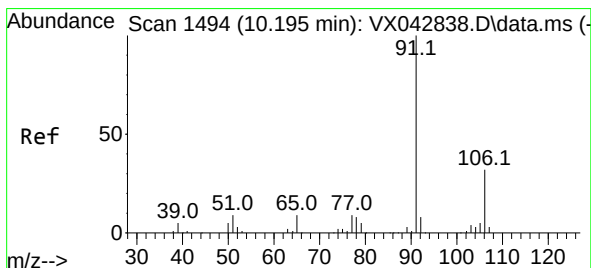
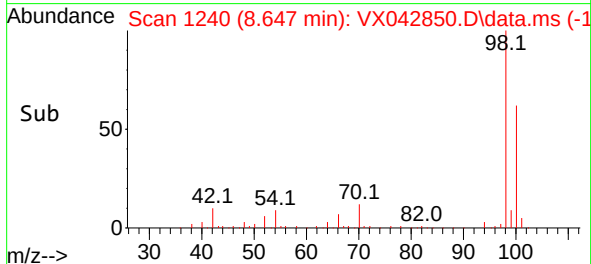
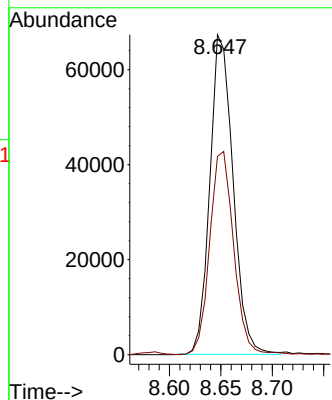
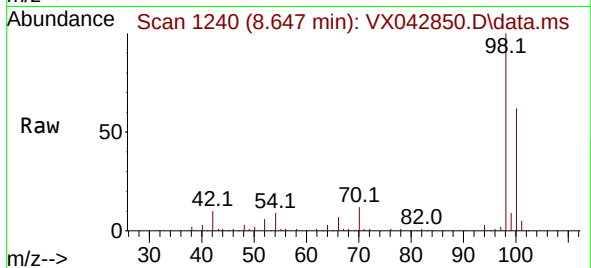
#63
Toluene-d8
Concen: 29.497 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

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

Tgt Ion: 98 Resp: 10565
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1

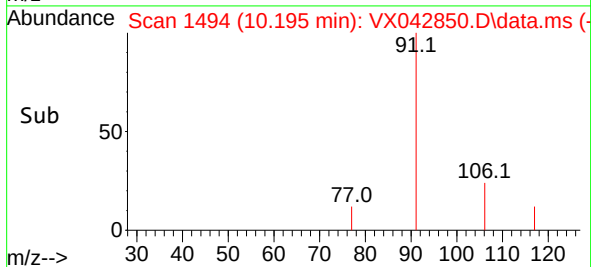
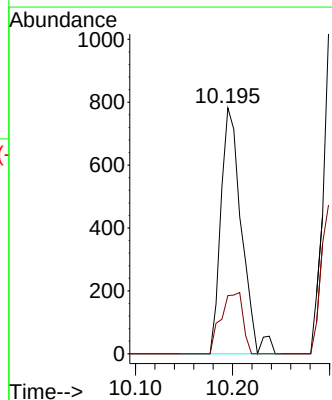
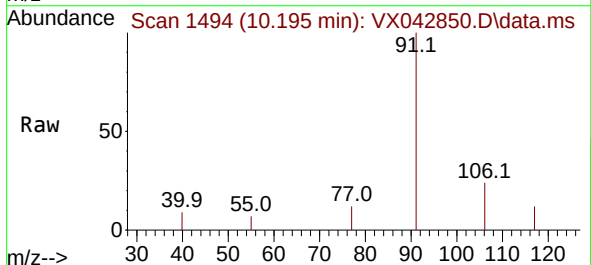
Manual Integrations
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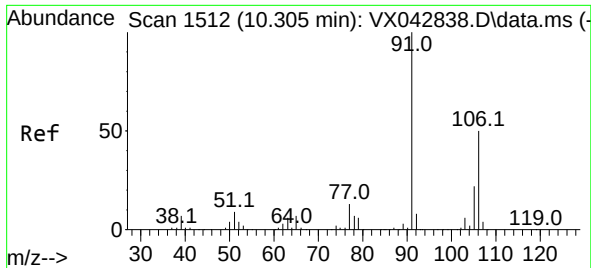
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#66
Ethyl Benzene
Concen: 0.252 ug/l m
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

Tgt Ion: 91 Resp: 1156
Ion Ratio Lower Upper
91 100
106 23.7 26.4 39.6#





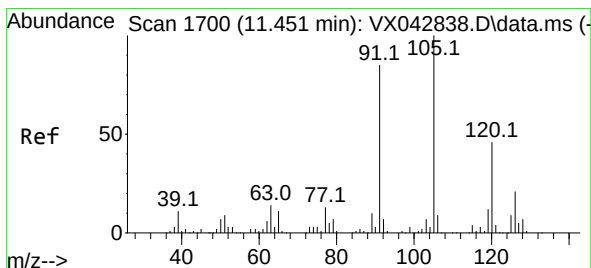
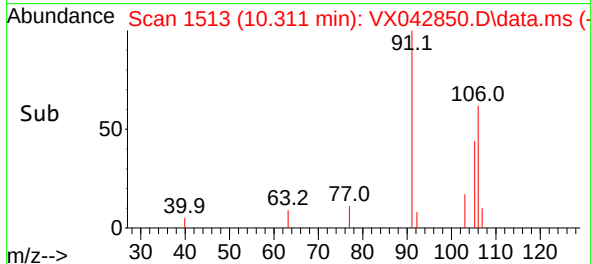
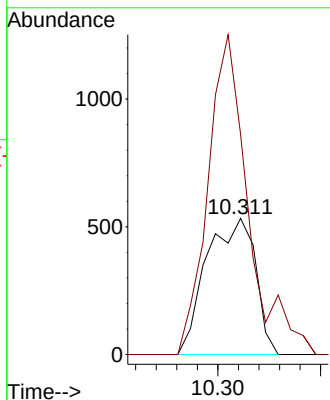
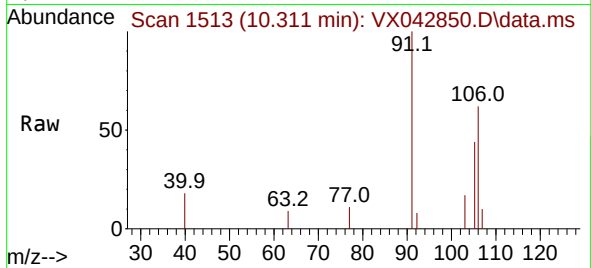
#67
m/p-Xylenes
Concen: 0.497 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

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

Tgt Ion:106 Resp: 88
Ion Ratio Lower Upper
106 100
91 177.0 157.0 235.6

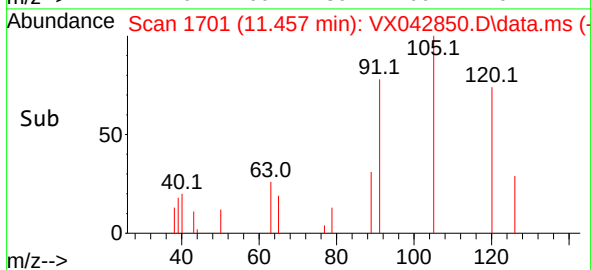
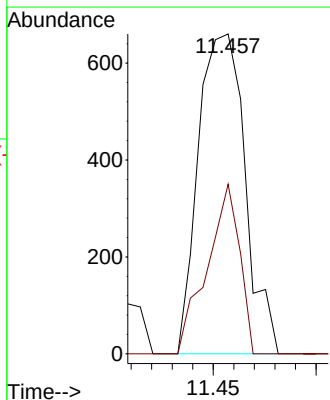
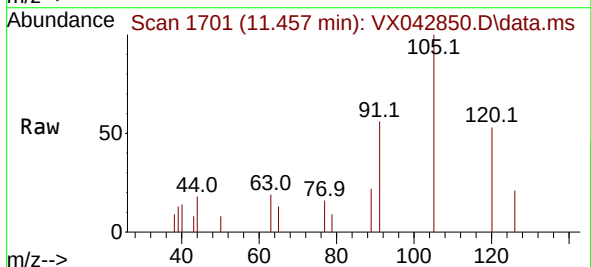
Manual Integrations
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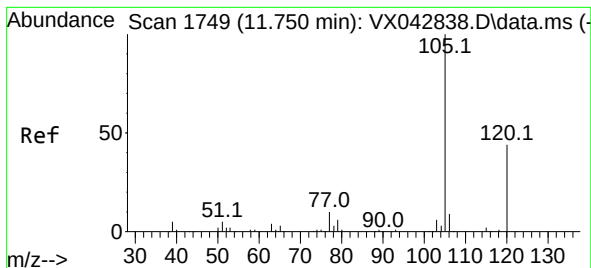
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#76
1,3,5-Trimethylbenzene
Concen: 0.272 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

Tgt Ion:105 Resp: 1043
Ion Ratio Lower Upper
105 100
120 36.8 0.0 103.0





#80

1,2,4-Trimethylbenzene

Concen: 0.835 ug/l

RT: 11.756 min Scan# 11750

Delta R.T. 0.006 min

Lab File: VX042850.D

Acq: 02 Aug 2024 18:31

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)

Tgt Ion:105 Resp: 3184

Ion Ratio Lower Upper

105 100

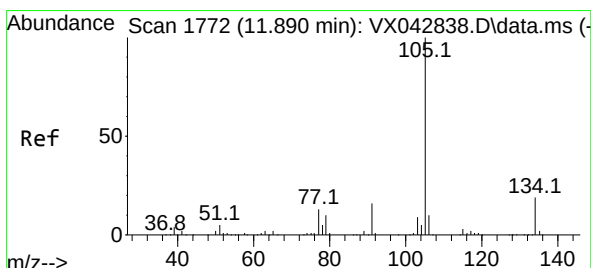
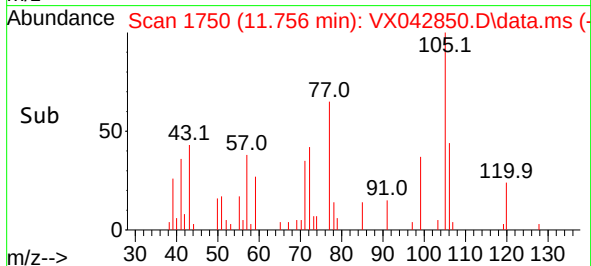
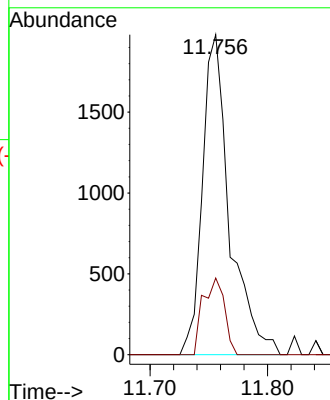
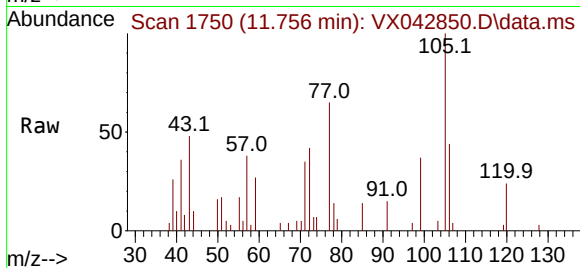
120 18.9 0.0 96.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/05/2024

Supervised By :Semsettin Yesilyurt 08/05/2024



#81

sec-Butylbenzene

Concen: 0.266 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX042850.D

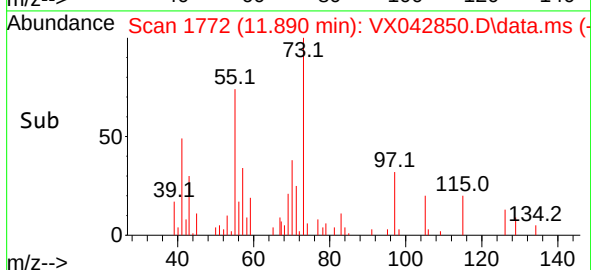
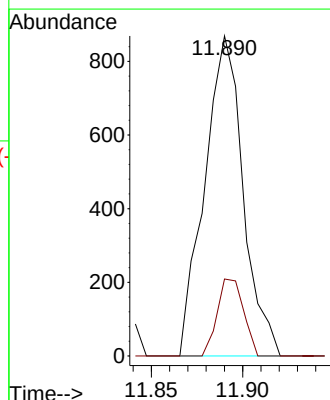
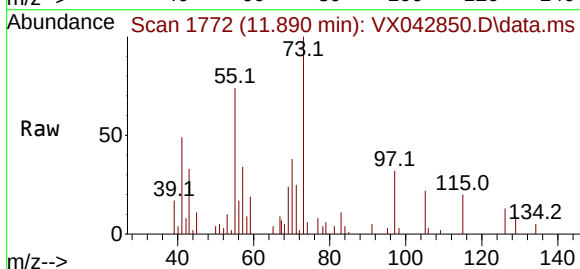
Acq: 02 Aug 2024 18:31

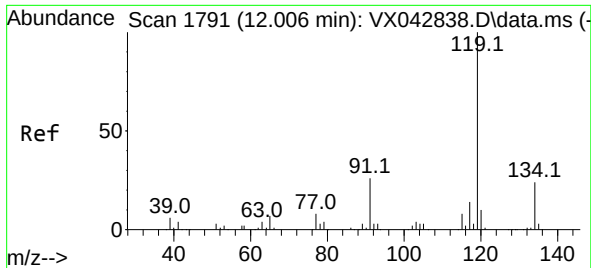
Tgt Ion:105 Resp: 1274

Ion Ratio Lower Upper

105 100

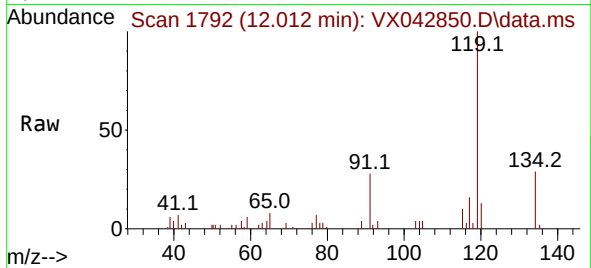
134 16.5 0.0 43.2





#82
p-Isopropyltoluene
Concen: 1.388 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

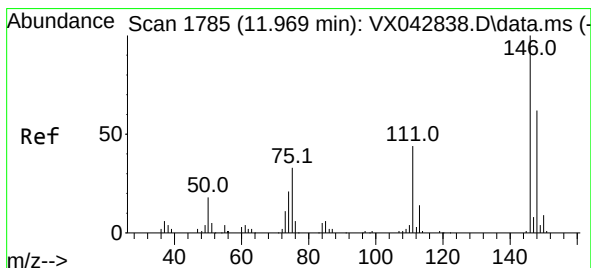
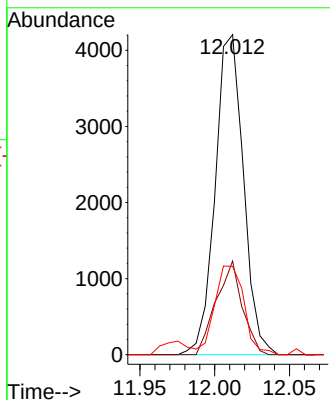
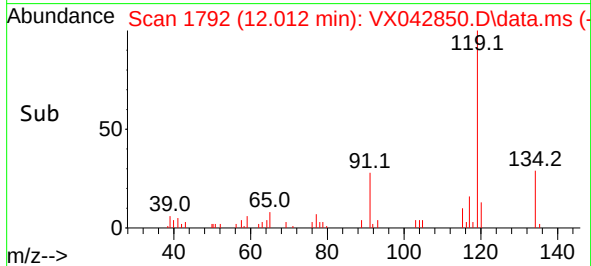
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JULY)



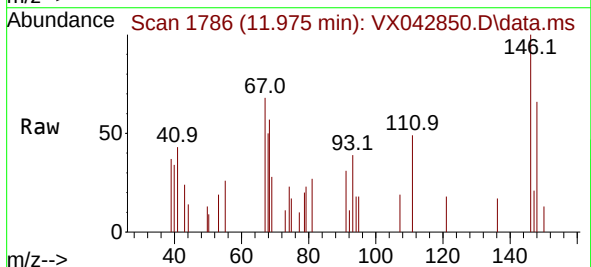
Tgt Ion:119 Resp: 5528
Ion Ratio Lower Upper
119 100
134 27.1 0.0 54.0
91 28.6 0.0 42.2

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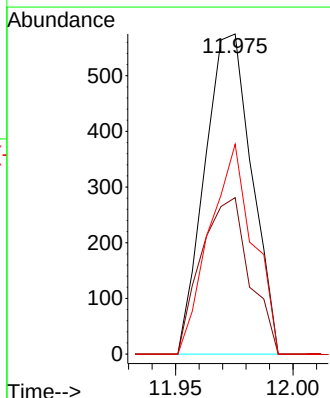
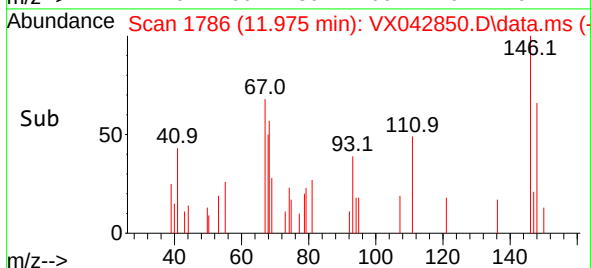
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024

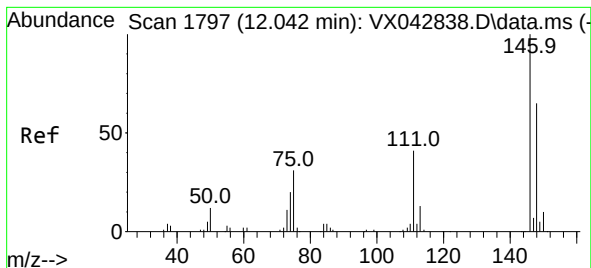


#83
1,3-Dichlorobenzene
Concen: 0.391 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31



Tgt Ion:146 Resp: 801
Ion Ratio Lower Upper
146 100
111 50.2 18.0 54.0
148 60.8 31.9 95.7





#84

1,4-Dichlorobenzene

Concen: 1.732 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX042850.D

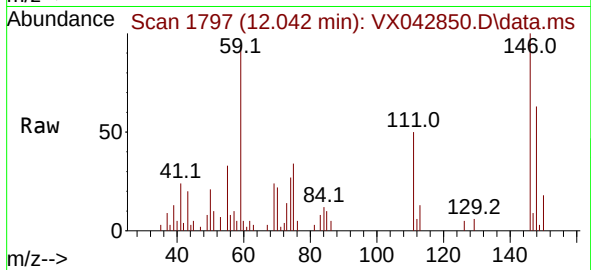
Acq: 02 Aug 2024 18:31

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)

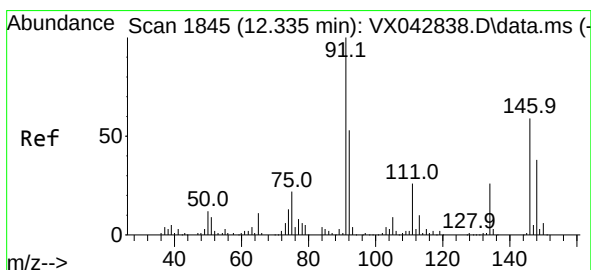
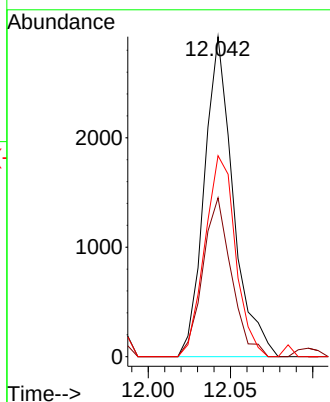
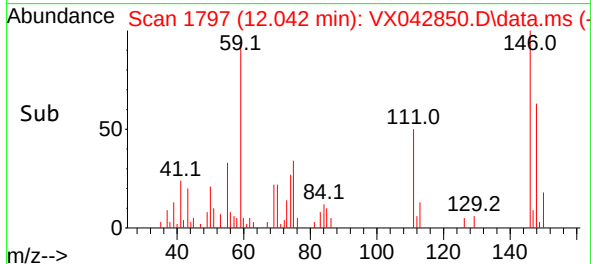


Tgt Ion:	146	Resp:	3579
Ion Ratio	Lower	Upper	
146	100		
111	49.2	17.4	52.3
148	66.4	32.3	96.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#85

n-Butylbenzene

Concen: 0.528 ug/l

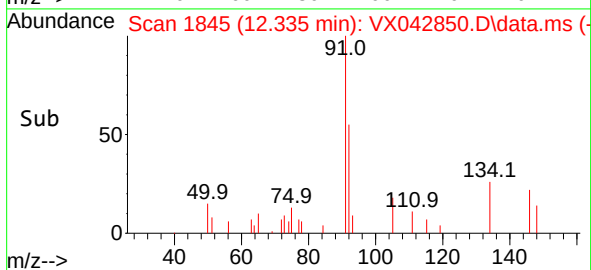
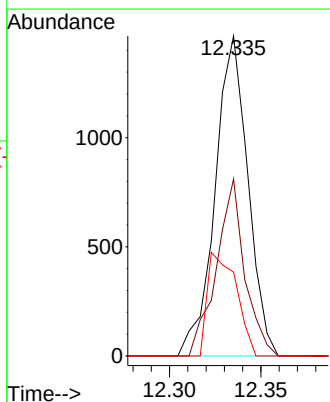
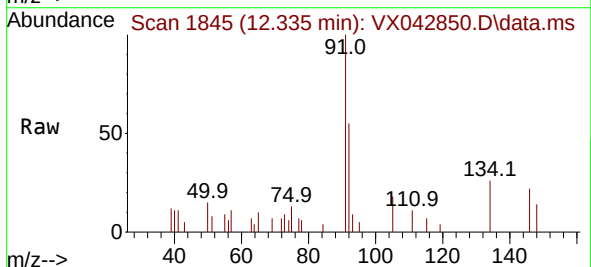
RT: 12.335 min Scan# 1845

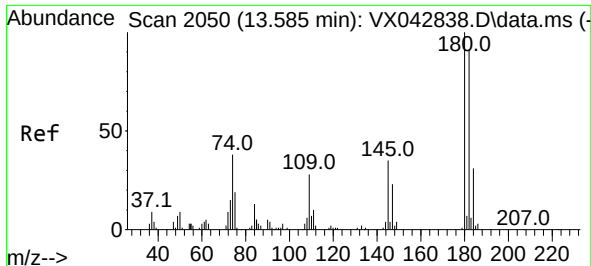
Delta R.T. 0.000 min

Lab File: VX042850.D

Acq: 02 Aug 2024 18:31

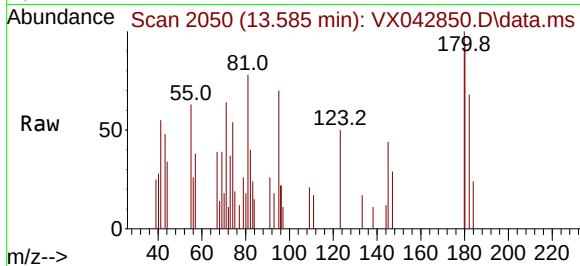
Tgt Ion:	91	Resp:	1830
Ion Ratio	Lower	Upper	
91	100		
92	47.7	0.0	109.8
134	28.4	0.0	58.4





#89
1,2,4-Trichlorobenzene
Concen: 0.820 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

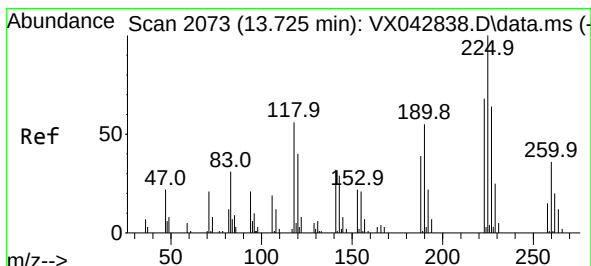
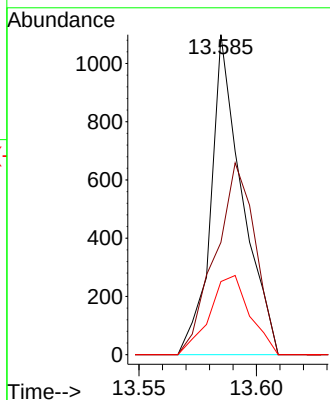
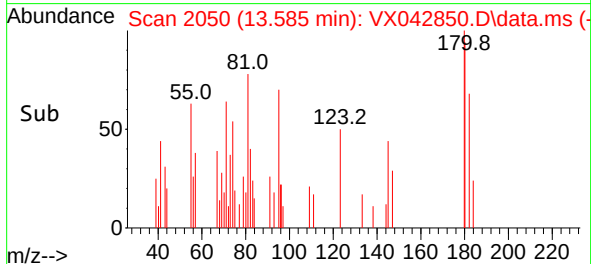
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



Tgt Ion:180 Resp: 1010
Ion Ratio Lower Upper
180 100
182 76.2 76.9 115.3
145 32.0 22.8 34.2

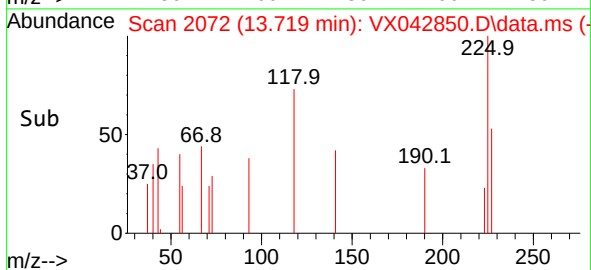
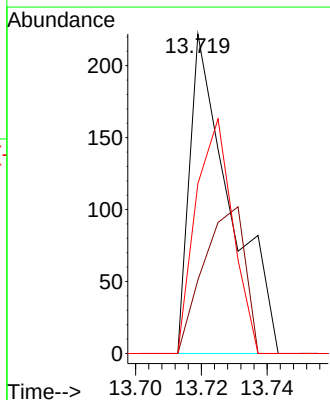
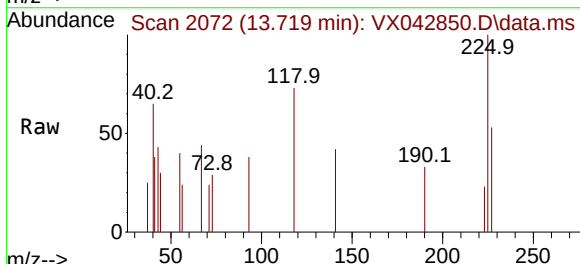
Manual Integrations
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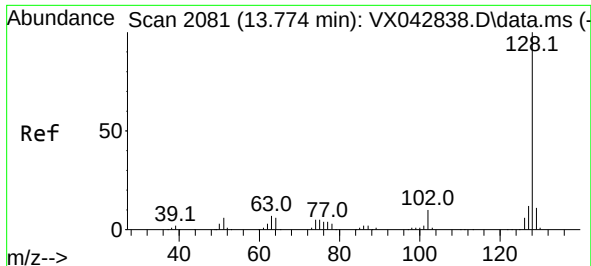
Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#90
Hexachlorobutadiene
Concen: 0.362 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

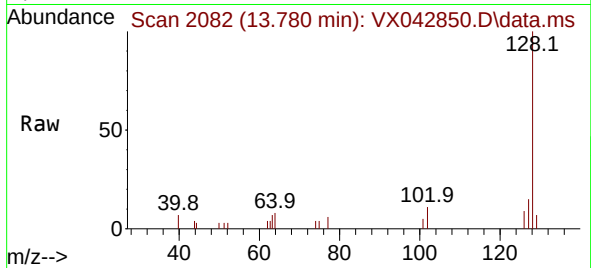
Tgt Ion:225 Resp: 189
Ion Ratio Lower Upper
225 100
223 47.1 0.0 120.8
227 67.2 0.0 126.6





#91
Naphthalene
Concen: 0.606 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

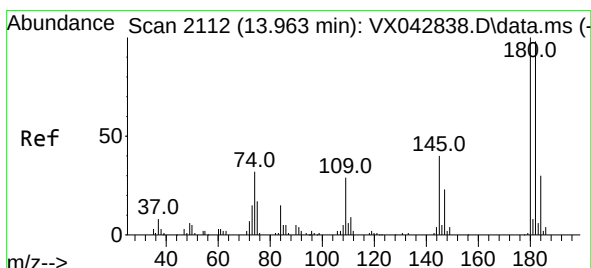
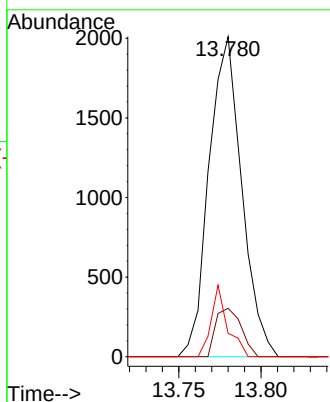
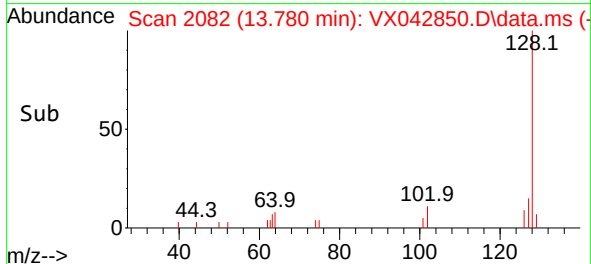
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



Tgt Ion:128 Resp: 278
Ion Ratio Lower Upper
128 100
127 11.7 10.4 15.6
129 11.1 8.7 13.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2024
Supervised By :Semsettin Yesilyurt 08/05/2024



#92
1,2,3-Trichlorobenzene
Concen: 0.595 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX042850.D
Acq: 02 Aug 2024 18:31

Tgt Ion:180 Resp: 759
Ion Ratio Lower Upper
180 100
182 101.3 0.0 187.8
145 39.0 0.0 58.4

