

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039924.D
 Acq On : 22 Nov 2022 20:10
 Operator : SY/AP
 Sample : N5767-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2022
 Supervised By :Mahesh Dadoda 11/24/2022

Quant Time: Nov 23 04:51:12 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	1058306	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.636	114	2810243	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2491008	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1960056	10.302	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	83905	0.554	ppbv	99
3) Chlorodifluoromethane	2.652	51	48744m	0.334	ppbv	
4) Chloromethane	2.793	50	34626	0.371	ppbv	92
9) Propene	2.684	41	207016m	3.009	ppbv	
10) Heptane	7.558	43	21573m	0.130	ppbv	
11) Trichlorofluoromethane	3.542	101	39493	0.214	ppbv	97
13) Ethanol	3.221	45	245344	46.714	ppbv	99
15) Acetone	3.449	43	940018	6.697	ppbv	95
20) Methylene Chloride	3.912	84	1493365	21.959	ppbv	97
26) Hexane	5.195	57	1208397	10.733	ppbv #	38
29) Chloroform	5.256	83	162473	1.086	ppbv	93
34) 2-Butanone	4.777	43	38354m	0.285	ppbv	
35) Carbon Tetrachloride	6.478	117	12398m	0.078	ppbv	
36) Benzene	6.353	78	96684	0.405	ppbv #	93
44) 2,2,4-Trimethylpentane	7.308	57	65048m	0.163	ppbv	
52) Tetrachloroethene	10.597	164	13784m	0.154	ppbv	
53) Toluene	9.205	91	189911	0.698	ppbv	95
58) Ethyl Benzene	12.069	91	42469m	0.126	ppbv	
59) m/p-Xylene	12.336	91	107154m	0.379	ppbv	
60) o-Xylene	13.044	91	38444	0.143	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	39749m	0.135	ppbv	

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

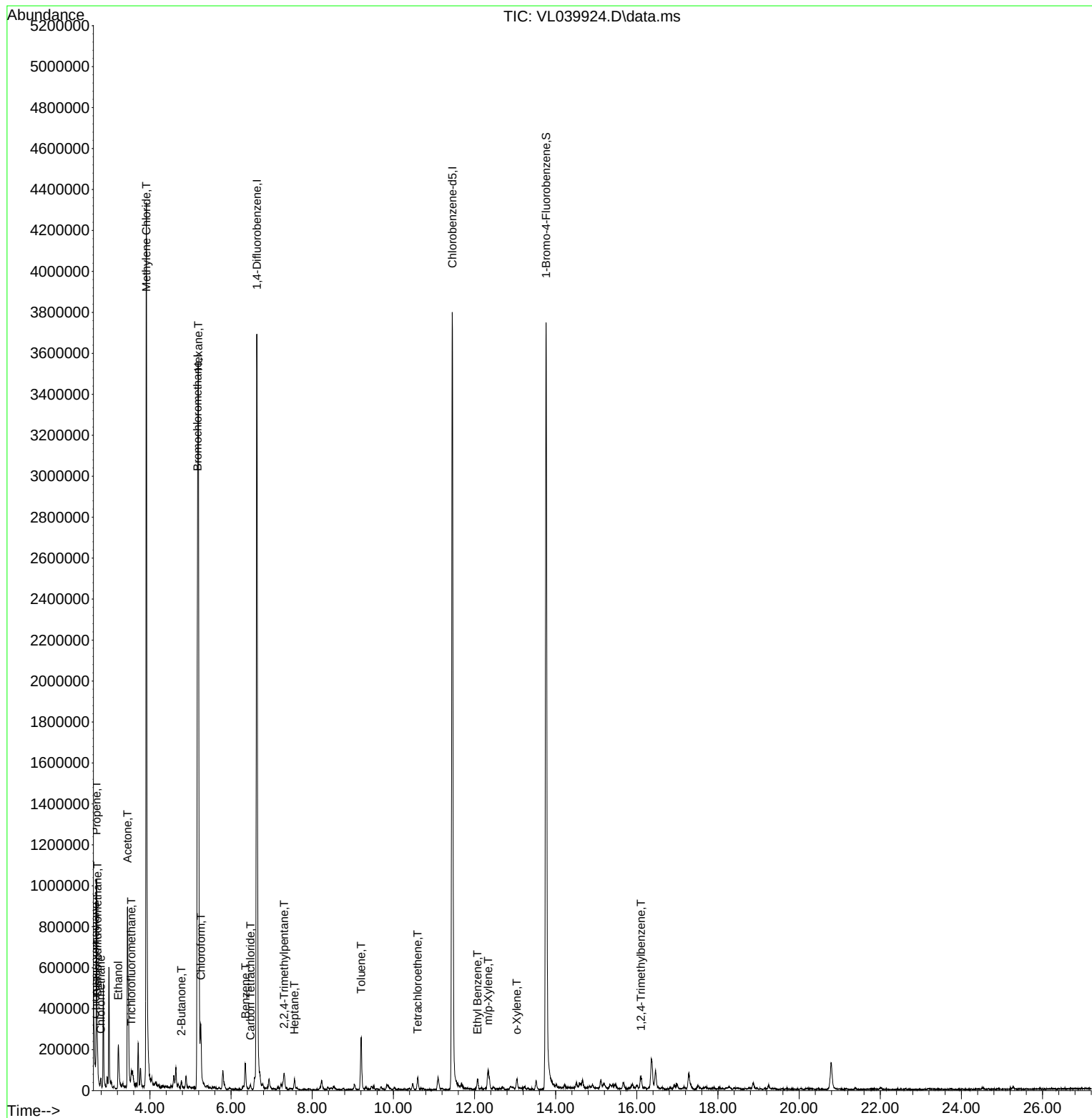
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
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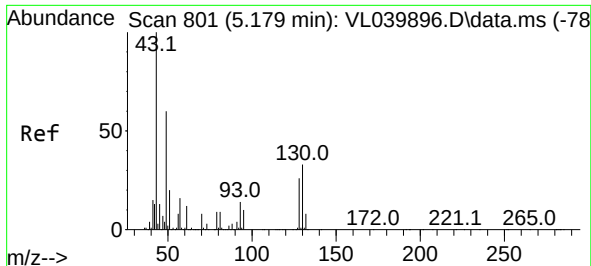
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Nov 23 04:51:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration

Manual Integrations
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Supervised By : Mahesh Dadoda 11/24/2022





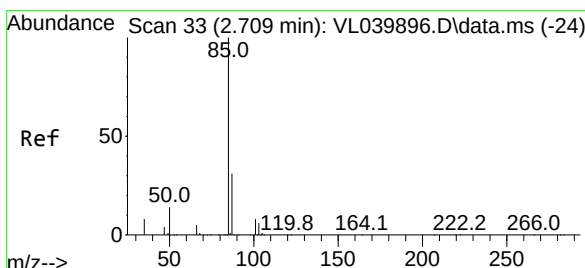
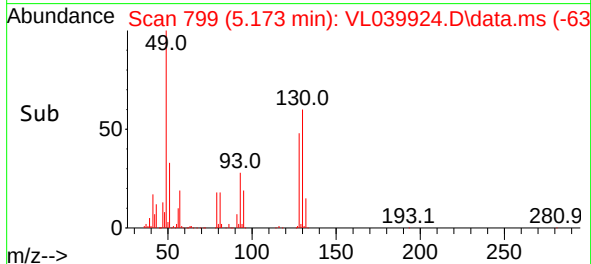
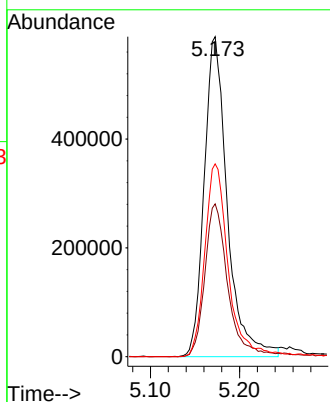
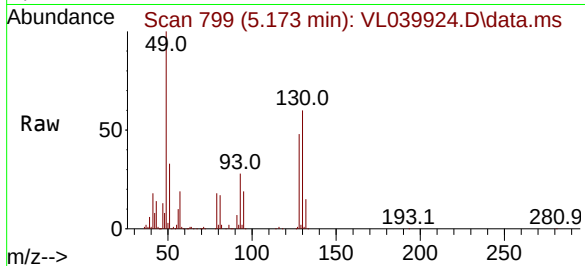
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 799
Delta R.T. 0.017 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 49 Resp: 1058300
Ion Ratio Lower Upper
49 100
128 48.7 22.1 66.3
130 62.0 27.7 83.1

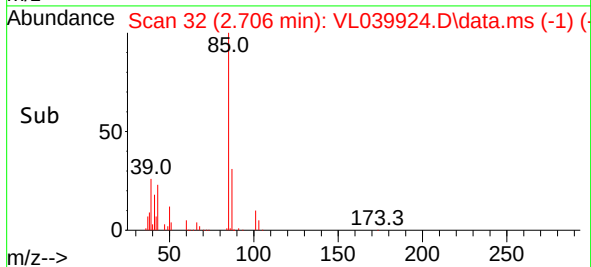
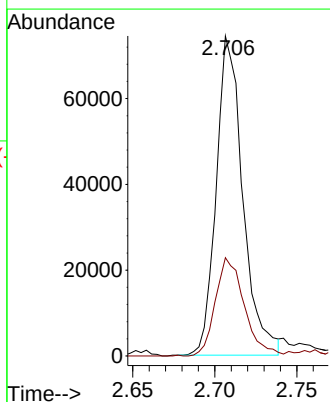
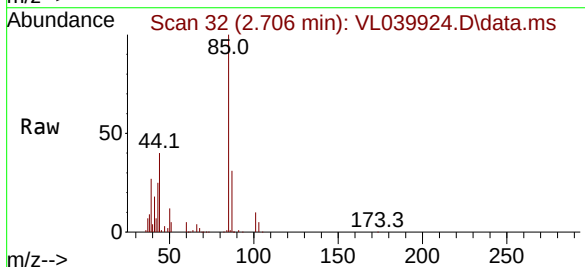
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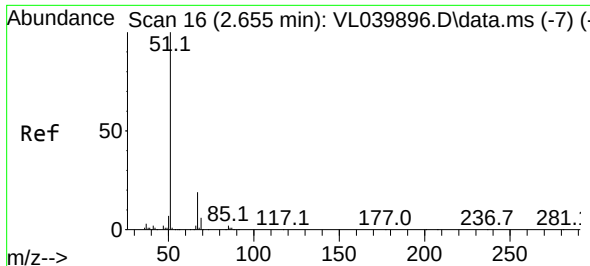
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#2
Dichlorodifluoromethane
Concen: 0.554 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

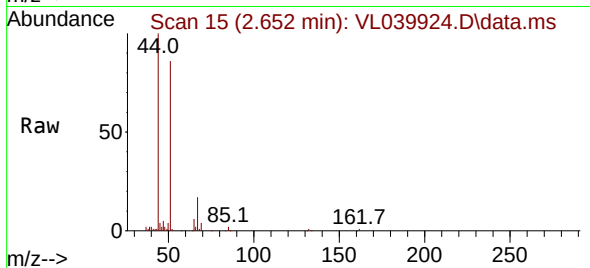
Tgt Ion: 85 Resp: 83905
Ion Ratio Lower Upper
85 100
87 30.5 25.0 37.4





#3
Chlorodifluoromethane
Concen: 0.334 ppbv m
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

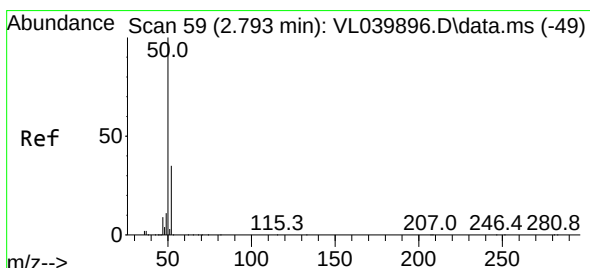
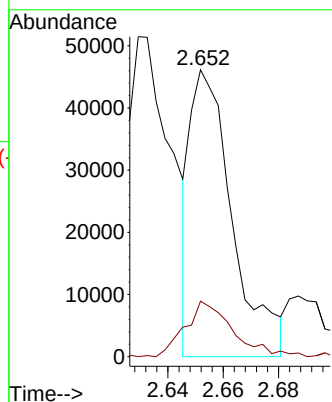
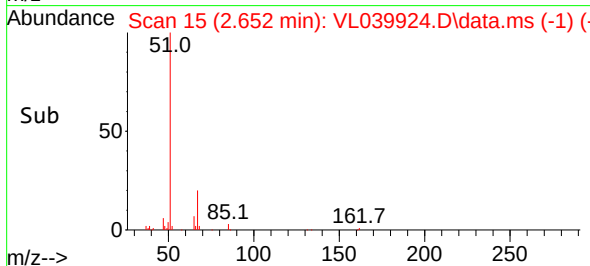
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 51 Resp: 48744
Ion Ratio Lower Upper
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67 22.1 14.2 21.4

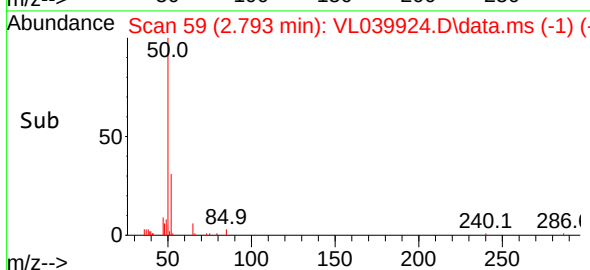
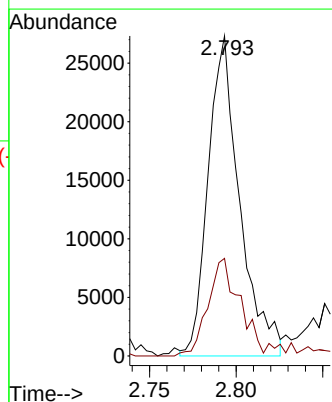
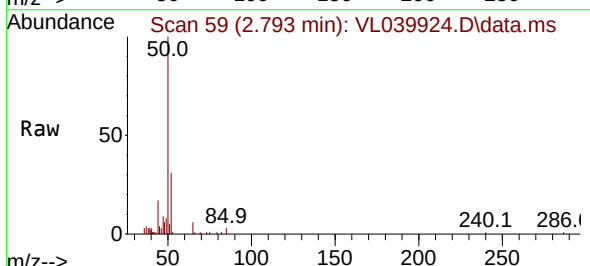
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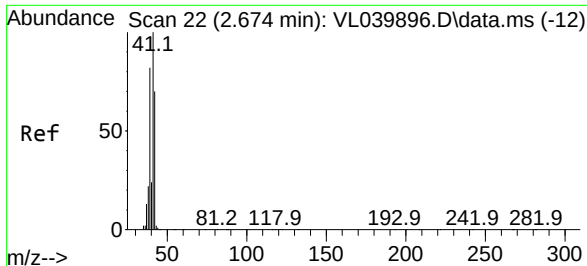
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#4
Chloromethane
Concen: 0.371 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.013 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

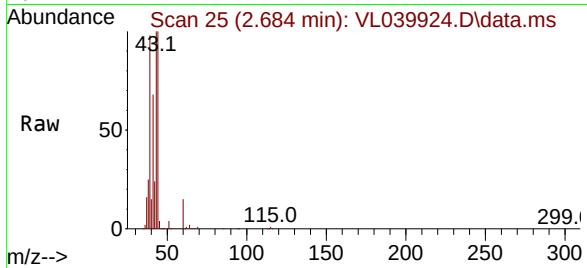
Tgt Ion: 50 Resp: 34626
Ion Ratio Lower Upper
50 100
52 30.4 27.8 41.8





#9
 Propene
 Concen: 3.009 ppbv m
 RT: 2.684 min Scan# 207010
 Delta R.T. 0.023 min
 Lab File: VL039924.D
 Acq: 22 Nov 2022 20:10

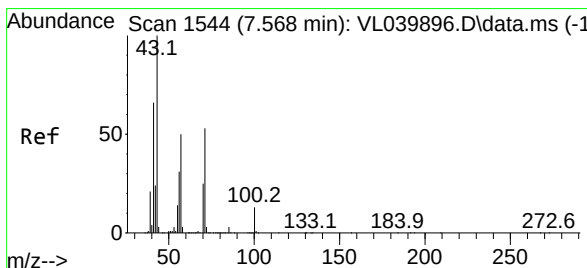
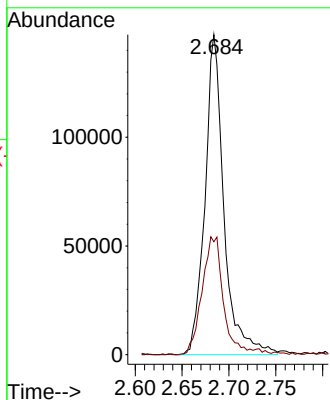
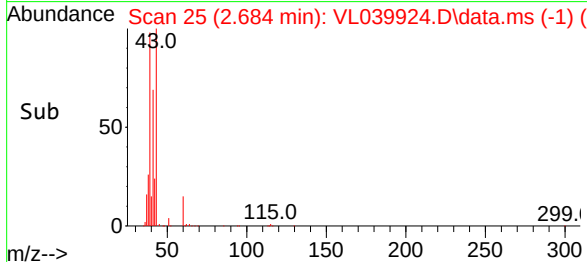
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



Tgt Ion: 41 Resp: 207010
 Ion Ratio Lower Upper
 41 100
 42 42.0 55.8 83.6

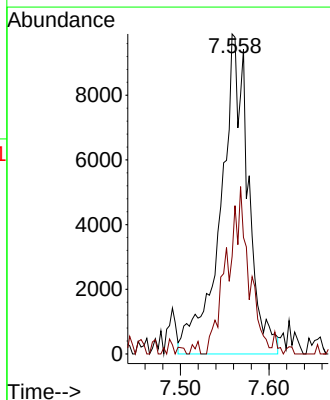
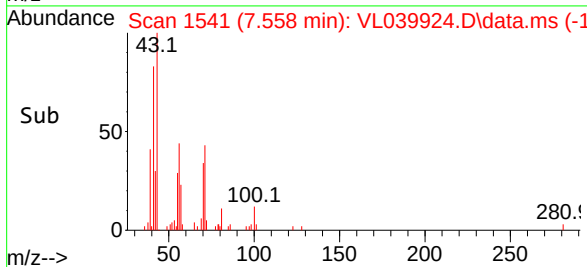
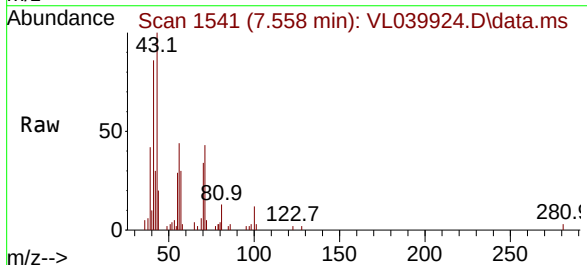
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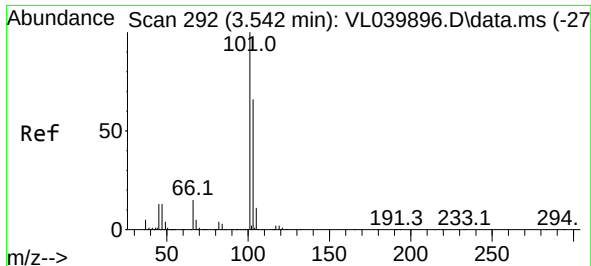
Reviewed By :Semsettin Yesilyurt 11/23/2022
 Supervised By :Mahesh Dadoda 11/24/2022



#10
 Heptane
 Concen: 0.130 ppbv m
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.013 min
 Lab File: VL039924.D
 Acq: 22 Nov 2022 20:10

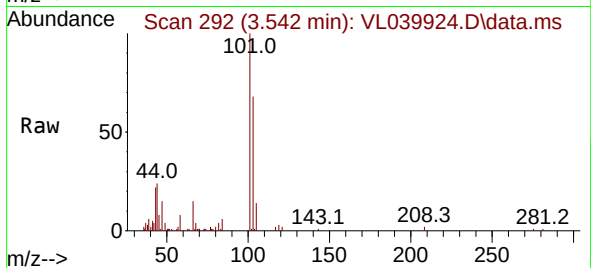
Tgt Ion: 43 Resp: 21573
 Ion Ratio Lower Upper
 43 100
 57 44.6 40.7 61.1





#11
Trichlorofluoromethane
Concen: 0.214 ppbv
RT: 3.542 min Scan# 292
Delta R.T. 0.013 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

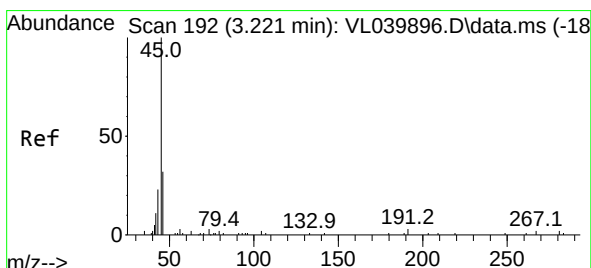
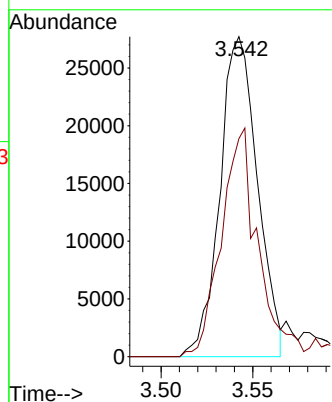
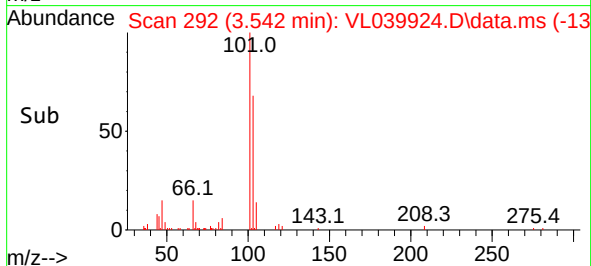
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:101 Resp: 3949
Ion Ratio Lower Upper
101 100
103 68.1 52.6 78.8

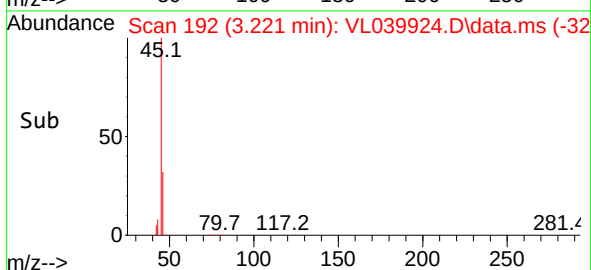
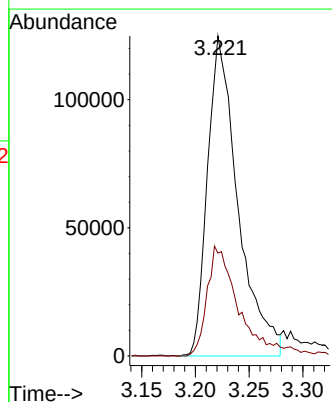
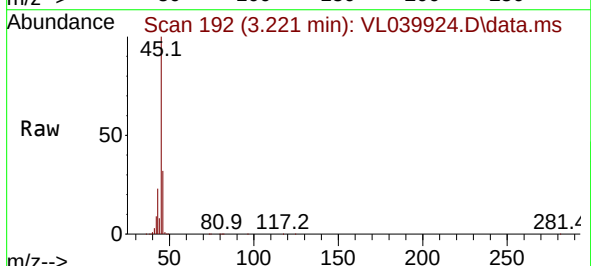
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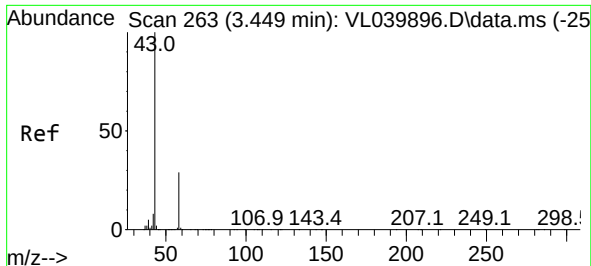
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#13
Ethanol
Concen: 46.714 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.013 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

Tgt Ion: 45 Resp: 245344
Ion Ratio Lower Upper
45 100
46 36.9 14.6 58.2





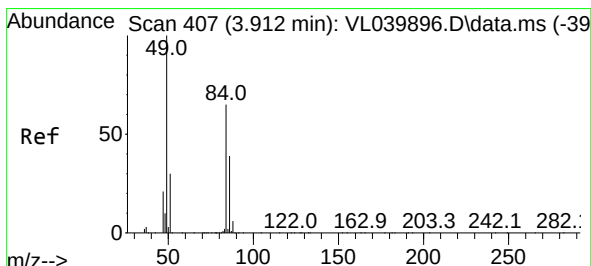
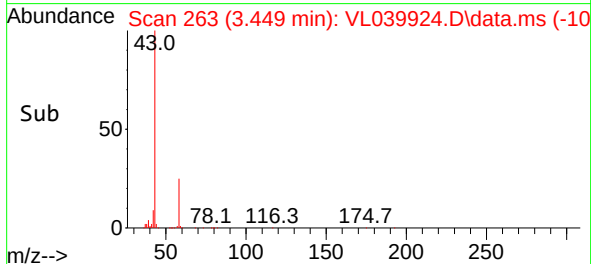
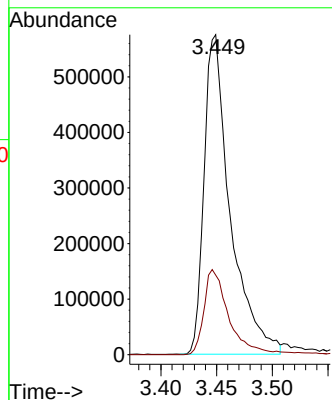
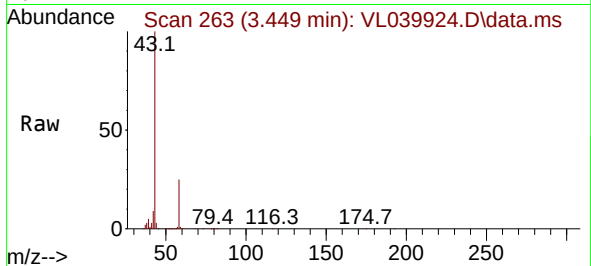
#15
Acetone
Concen: 6.697 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 940018
Ion Ratio Lower Upper
43 100
58 26.1 22.9 34.3

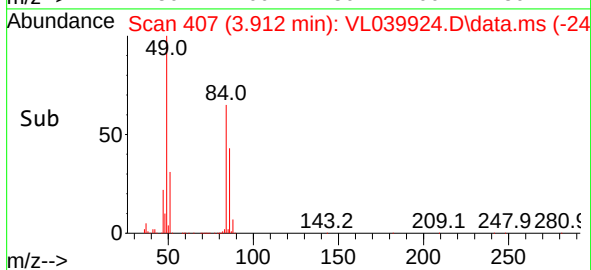
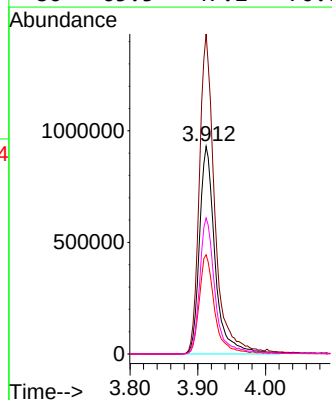
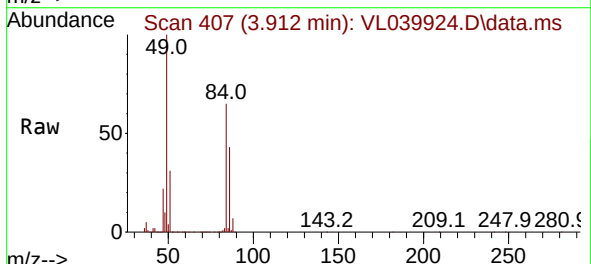
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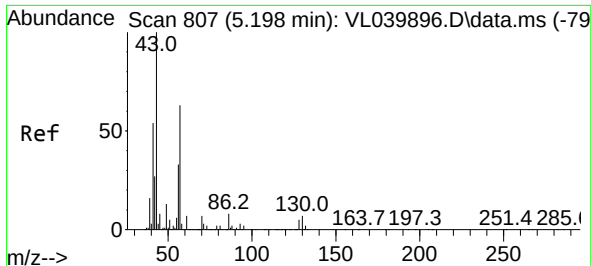
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#20
Methylene Chloride
Concen: 21.959 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.013 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

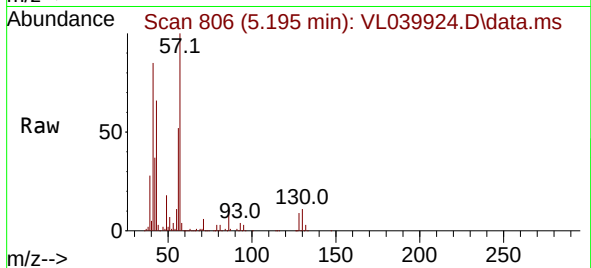
Tgt Ion: 84 Resp: 1493365
Ion Ratio Lower Upper
84 100
49 154.1 122.2 183.4
51 47.8 36.3 54.5
86 65.5 47.2 70.8





#26
Hexane
Concen: 10.733 ppbv
RT: 5.195 min Scan# 807
Delta R.T. 0.013 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

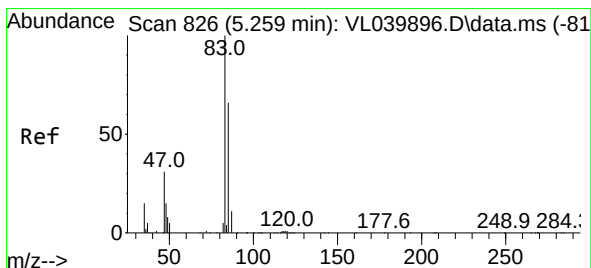
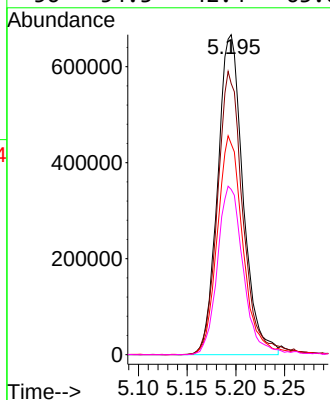
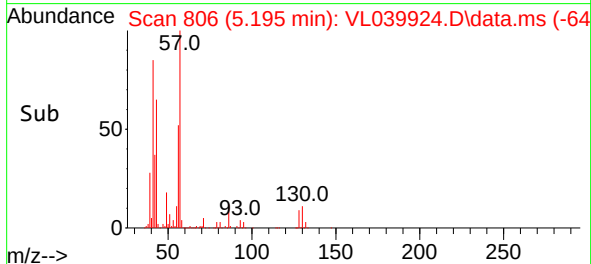
Instrument :
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ClientSampleId :
IA1DUP



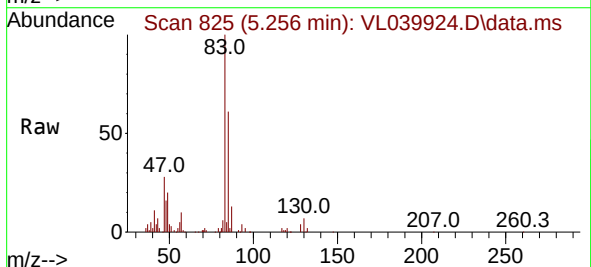
Tgt Ion: 57 Resp: 120839
Ion Ratio Lower Upper
57 100
41 89.5 72.3 108.5
43 70.1 188.7 283.1
56 54.3 42.4 63.6

Manual Integrations
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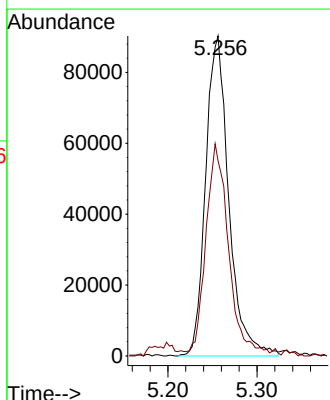
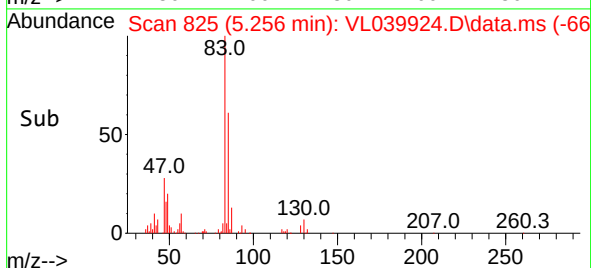
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022

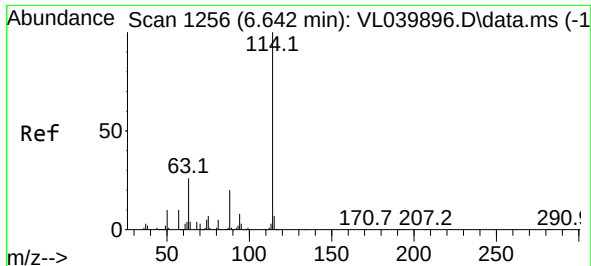


#29
Chloroform
Concen: 1.086 ppbv
RT: 5.256 min Scan# 825
Delta R.T. 0.016 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10



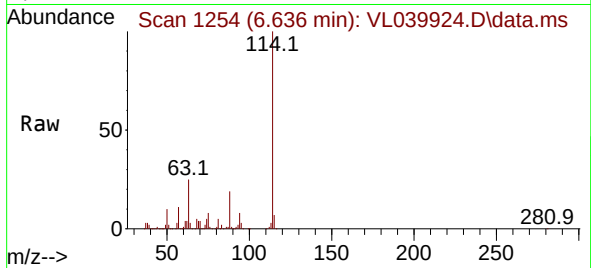
Tgt Ion: 83 Resp: 162473
Ion Ratio Lower Upper
83 100
85 60.2 52.4 78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.636 min Scan# 114
Delta R.T. 0.016 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

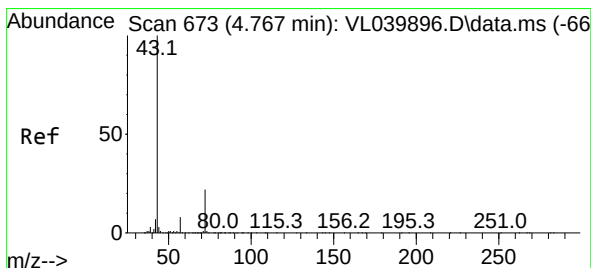
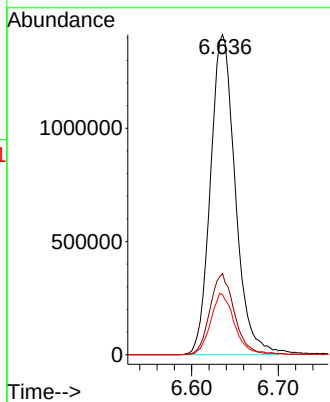
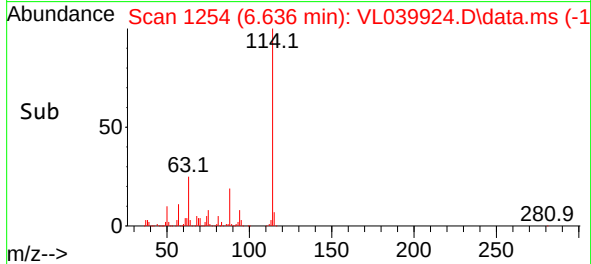
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:114 Resp: 281024
Ion Ratio Lower Upper
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63 25.3 21.4 32.0
88 18.6 15.3 22.9

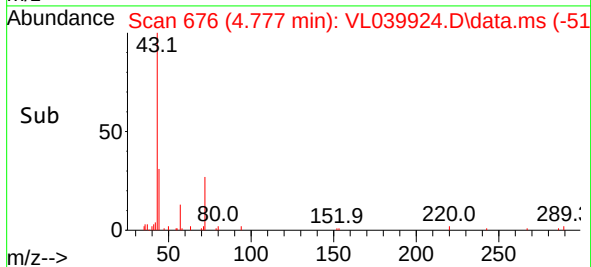
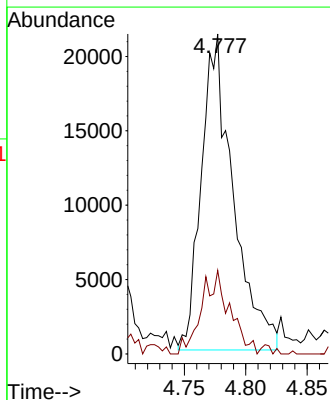
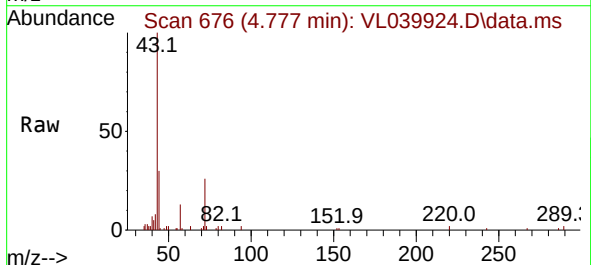
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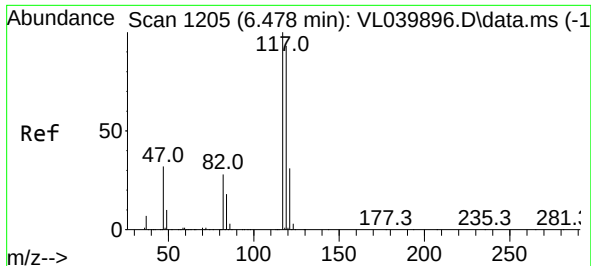
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#34
2-Butanone
Concen: 0.285 ppbv m
RT: 4.777 min Scan# 676
Delta R.T. 0.026 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

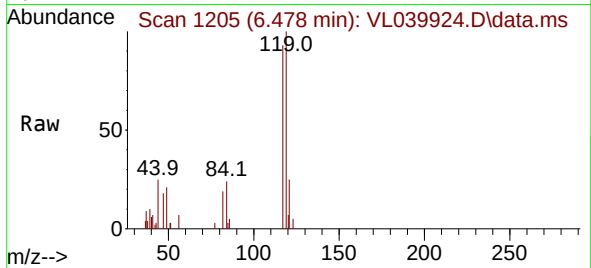
Tgt Ion: 43 Resp: 38354
Ion Ratio Lower Upper
43 100
72 24.3 17.4 26.2





#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 6.478 min Scan# 1166
Delta R.T. 0.016 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

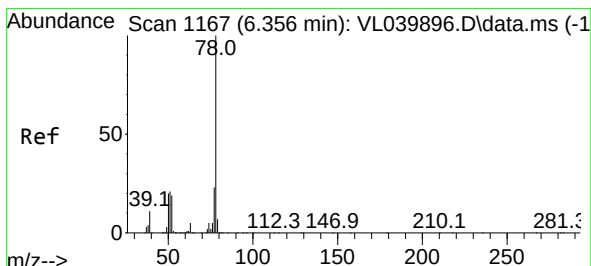
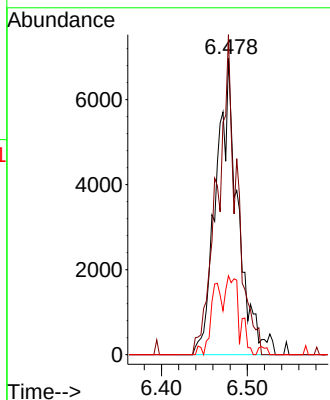
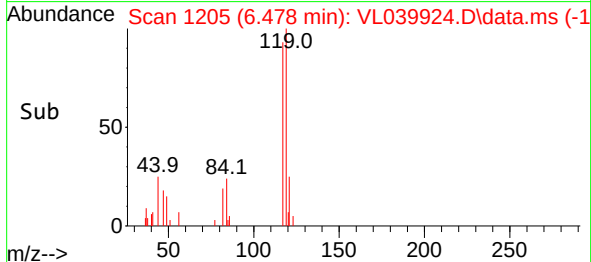
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 117 Resp: 12398
Ion Ratio Lower Upper
117 100
119 107.9 74.7 112.1
121 26.6 24.5 36.7

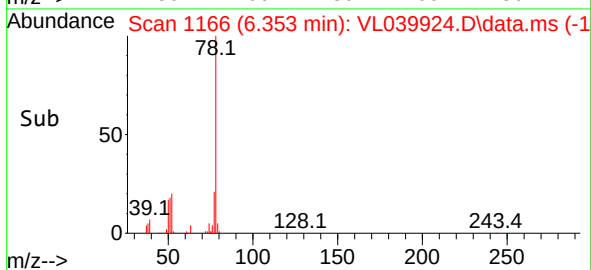
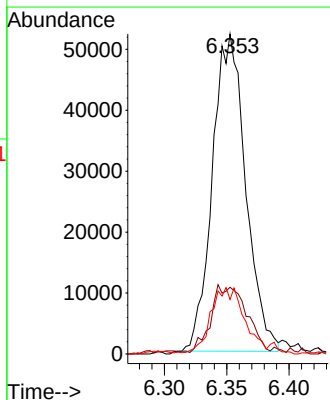
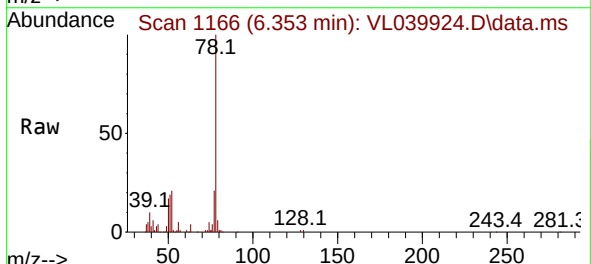
Manual Integrations
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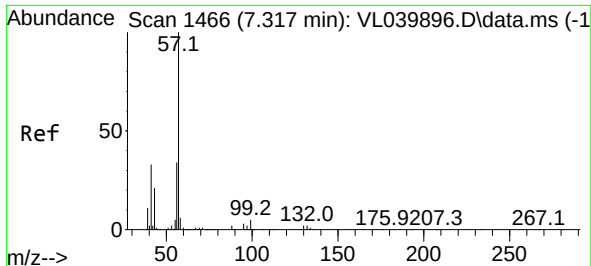
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#36
Benzene
Concen: 0.405 ppbv
RT: 6.353 min Scan# 1166
Delta R.T. 0.016 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

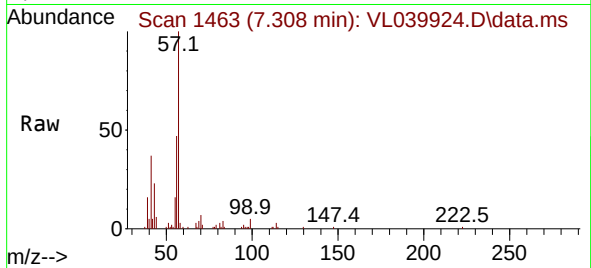
Tgt Ion: 78 Resp: 96684
Ion Ratio Lower Upper
78 100
77 20.2 18.2 27.2
50 15.8 15.8 23.8#





#44
2,2,4-Trimethylpentane
Concen: 0.163 ppbv m
RT: 7.308 min Scan# 1466
Delta R.T. 0.013 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

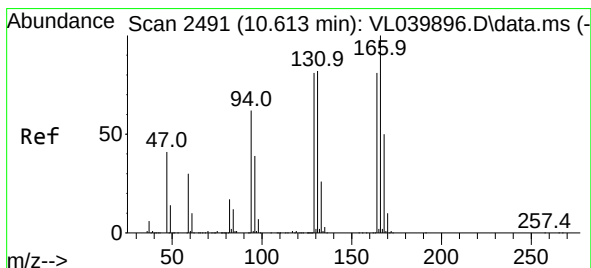
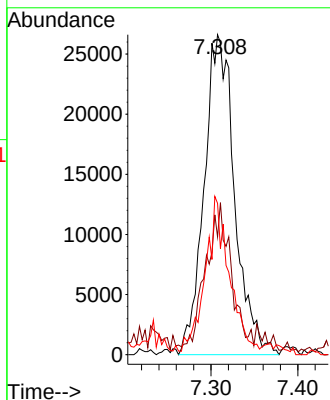
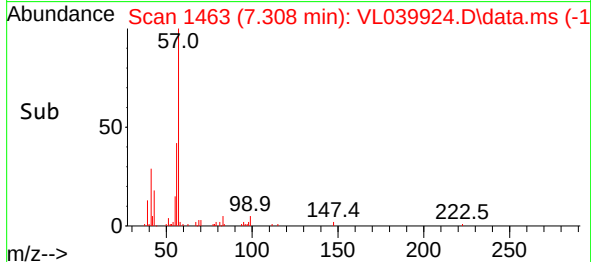
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 57 Resp: 6504
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.2
56 0.0 25.5 38.3

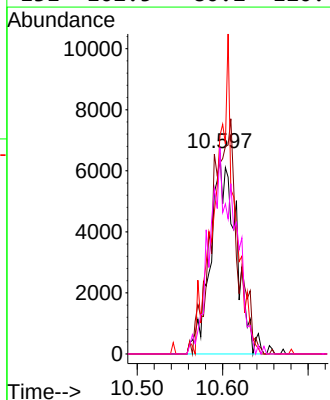
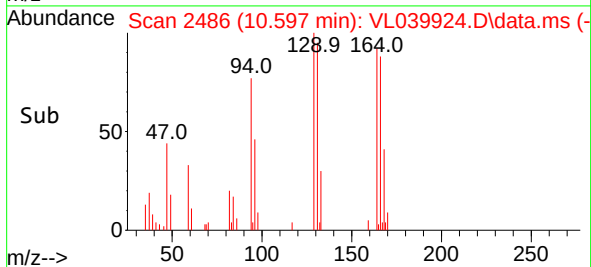
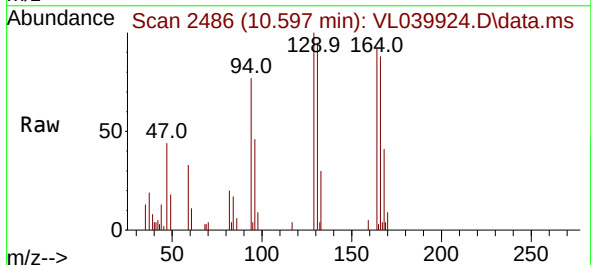
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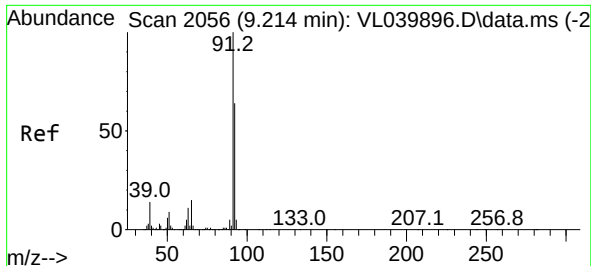
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#52
Tetrachloroethene
Concen: 0.154 ppbv m
RT: 10.597 min Scan# 2486
Delta R.T. 0.010 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

Tgt Ion:164 Resp: 13784
Ion Ratio Lower Upper
164 100
166 94.9 98.3 147.5
129 108.4 79.7 119.5
131 102.5 80.2 120.4





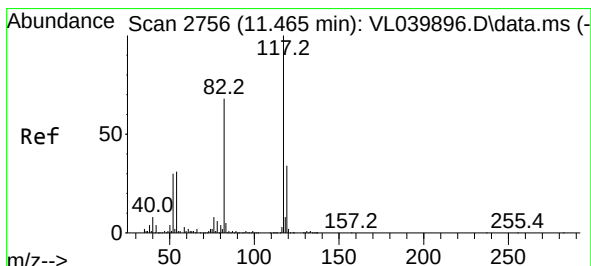
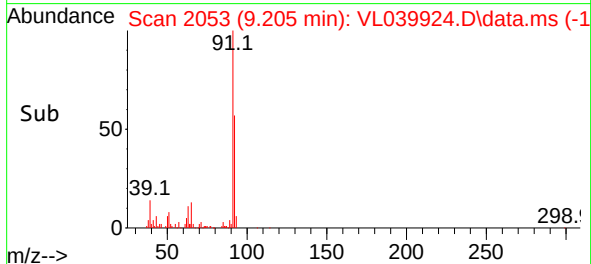
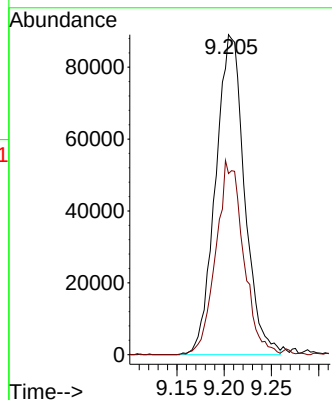
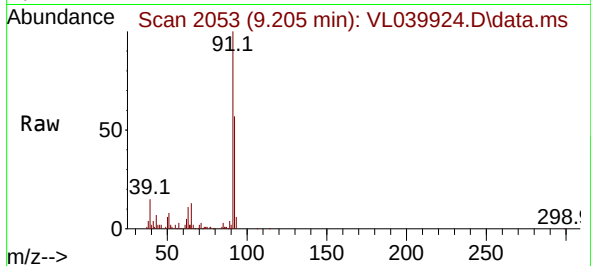
#53
Toluene
Concen: 0.698 ppbv
RT: 9.205 min Scan# 2056
Delta R.T. 0.013 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 18991
Ion Ratio Lower Upper
91 100
92 58.3 49.8 74.6

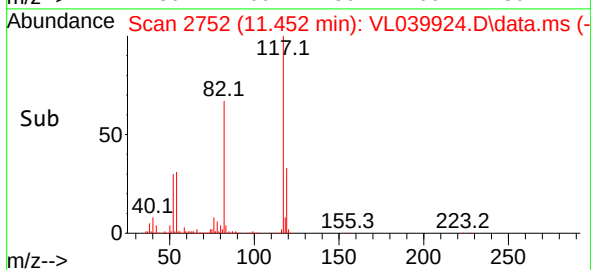
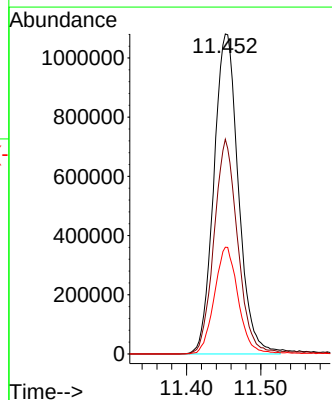
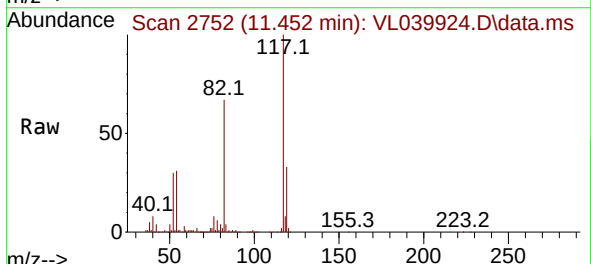
Manual Integrations
APPROVED

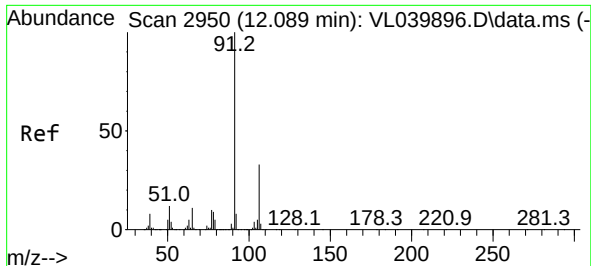
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.013 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

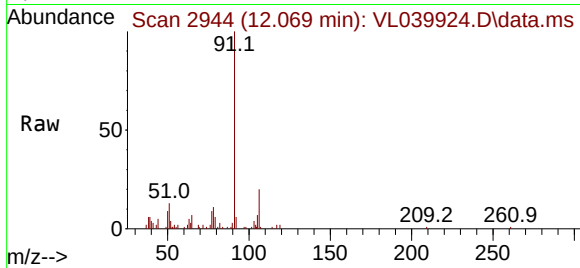
Tgt Ion:117 Resp: 2491008
Ion Ratio Lower Upper
117 100
82 65.6 52.3 78.5
119 32.8 25.7 38.5





#58
Ethyl Benzene
Concen: 0.126 ppbv m
RT: 12.069 min Scan# 2944
Delta R.T. 0.007 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

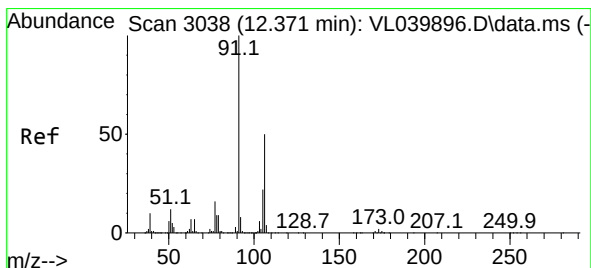
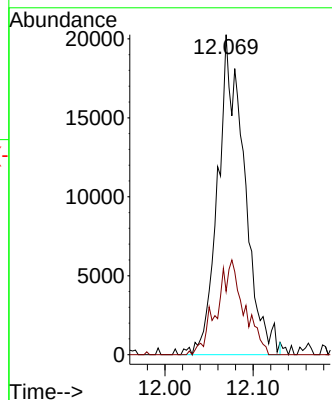
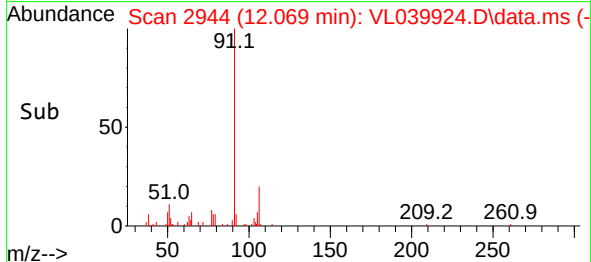
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



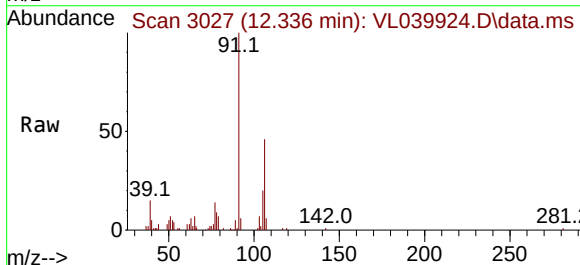
Tgt Ion: 91 Resp: 42469
Ion Ratio Lower Upper
91 100
106 19.8 26.1 39.1

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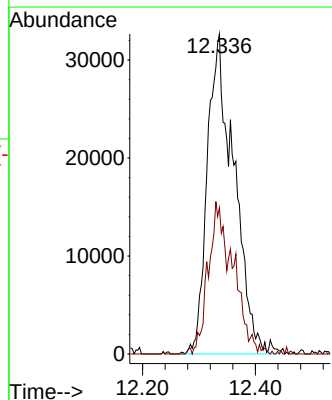
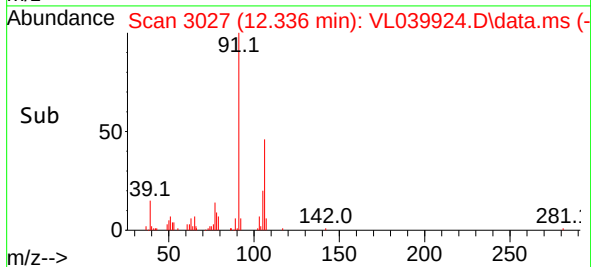
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022

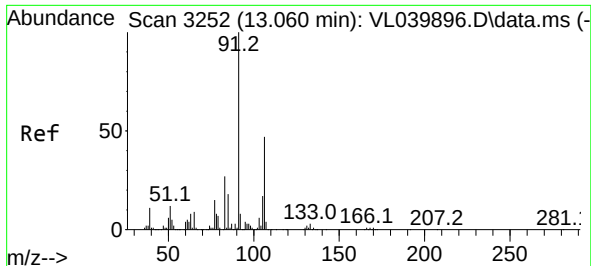


#59
m/p-Xylene
Concen: 0.379 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.010 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10



Tgt Ion: 91 Resp: 107154
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6





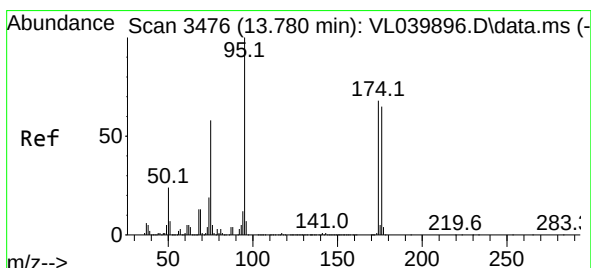
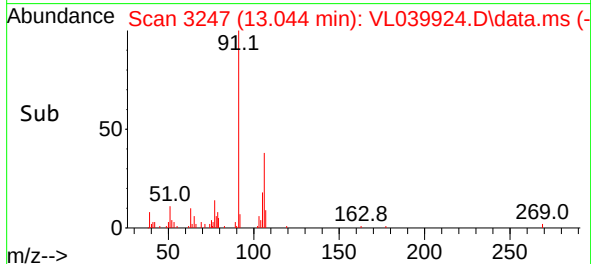
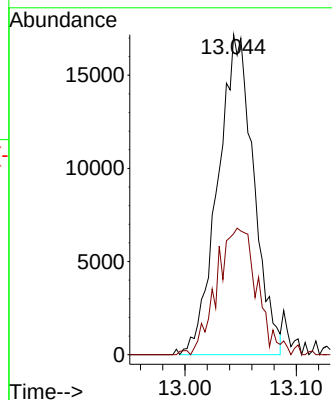
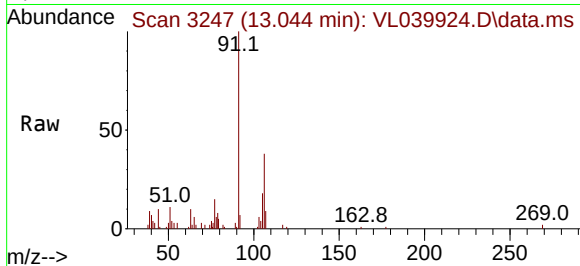
#60
o-Xylene
Concen: 0.143 ppbv
RT: 13.044 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 3844
Ion Ratio Lower Upper
91 100
106 45.1 23.2 69.6

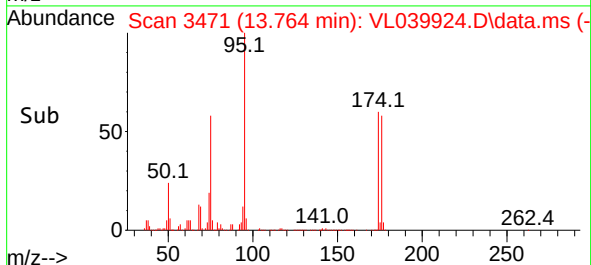
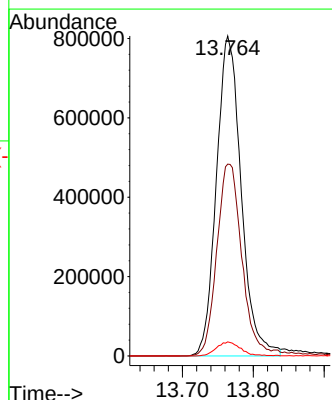
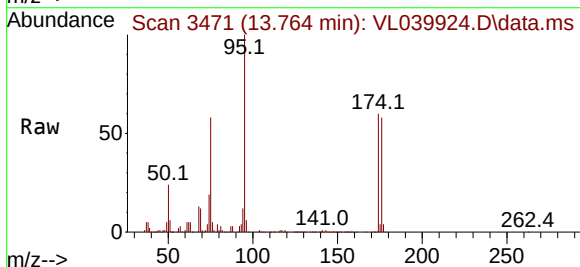
Manual Integrations
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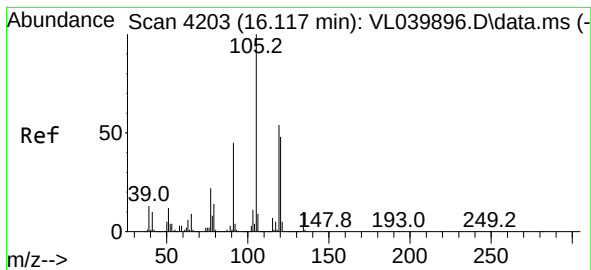
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.302 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.010 min
Lab File: VL039924.D
Acq: 22 Nov 2022 20:10

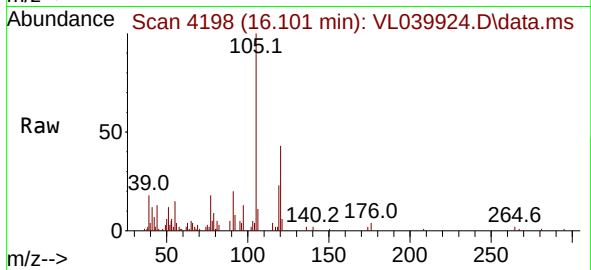
Tgt Ion: 95 Resp: 1960056
Ion Ratio Lower Upper
95 100
174 61.5 53.7 80.5
175 4.4 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.135 ppbv m
 RT: 16.101 min Scan# 4198
 Delta R.T. 0.010 min
 Lab File: VL039924.D
 Acq: 22 Nov 2022 20:10

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



Tgt Ion:	105	Resp:	39749
Ion	Ratio	Lower	Upper
105	100		
120	43.0	38.7	58.1
91	19.7	36.4	54.6
77	18.1	17.4	26.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2022
 Supervised By :Mahesh Dadoda 11/24/2022

