

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040970.D
 Acq On : 15 Jan 2024 14:54
 Operator : SY/MD
 Sample : P1138-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/16/2024
 Supervised By :Mahesh Dadoda 01/16/2024

Quant Time: Jan 16 03:36:01 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 16 03:31:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1149579	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.642	114	2823039	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2343486	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1797685	10.414	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	106682	0.487	ppbv	96
4) Chloromethane	2.825	50	30242	0.474	ppbv	91
9) Propene	2.719	41	579431m	10.151	ppbv	
10) Heptane	7.568	43	165408	1.166	ppbv	93
11) Trichlorofluoromethane	3.571	101	41324	0.241	ppbv	99
13) Ethanol	3.247	45	455179	31.610	ppbv	100
15) Acetone	3.478	43	412594m	2.993	ppbv	
19) Isopropyl Alcohol	3.584	45	1783691	24.793	ppbv	100
20) Methylene Chloride	3.938	84	1303300	26.520	ppbv	98
26) Hexane	5.211	57	1436105	13.564	ppbv #	41
30) Cyclohexane	6.594	84	74877	0.848	ppbv	90
34) 2-Butanone	4.787	43	29240	0.196	ppbv #	84
35) Carbon Tetrachloride	6.488	117	12377m	0.070	ppbv	
36) Benzene	6.362	78	351174	1.591	ppbv	99
38) Trichloroethene	7.279	130	25641m	0.309	ppbv	
43) Methyl Methacrylate	7.462	69	77931m	0.900	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	369205	0.985	ppbv #	79
52) Tetrachloroethene	10.603	164	3052m	0.041	ppbv	
53) Toluene	9.204	91	1356477	5.543	ppbv	99
58) Ethyl Benzene	12.069	91	440422	1.463	ppbv	99
59) m/p-Xylene	12.327	91	1343073	5.246	ppbv #	100
60) o-Xylene	13.037	91	446211	1.850	ppbv	98
62) Isopropylbenzene	14.005	105	48375	0.135	ppbv	96
64) n-propylbenzene	14.896	120	12584m	0.140	ppbv	
72) 4-Ethyltoluene	15.172	105	78850m	0.298	ppbv	
73) 1,3,5-Trimethylbenzene	15.333	105	60860m	0.266	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	235798m	0.927	ppbv	

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

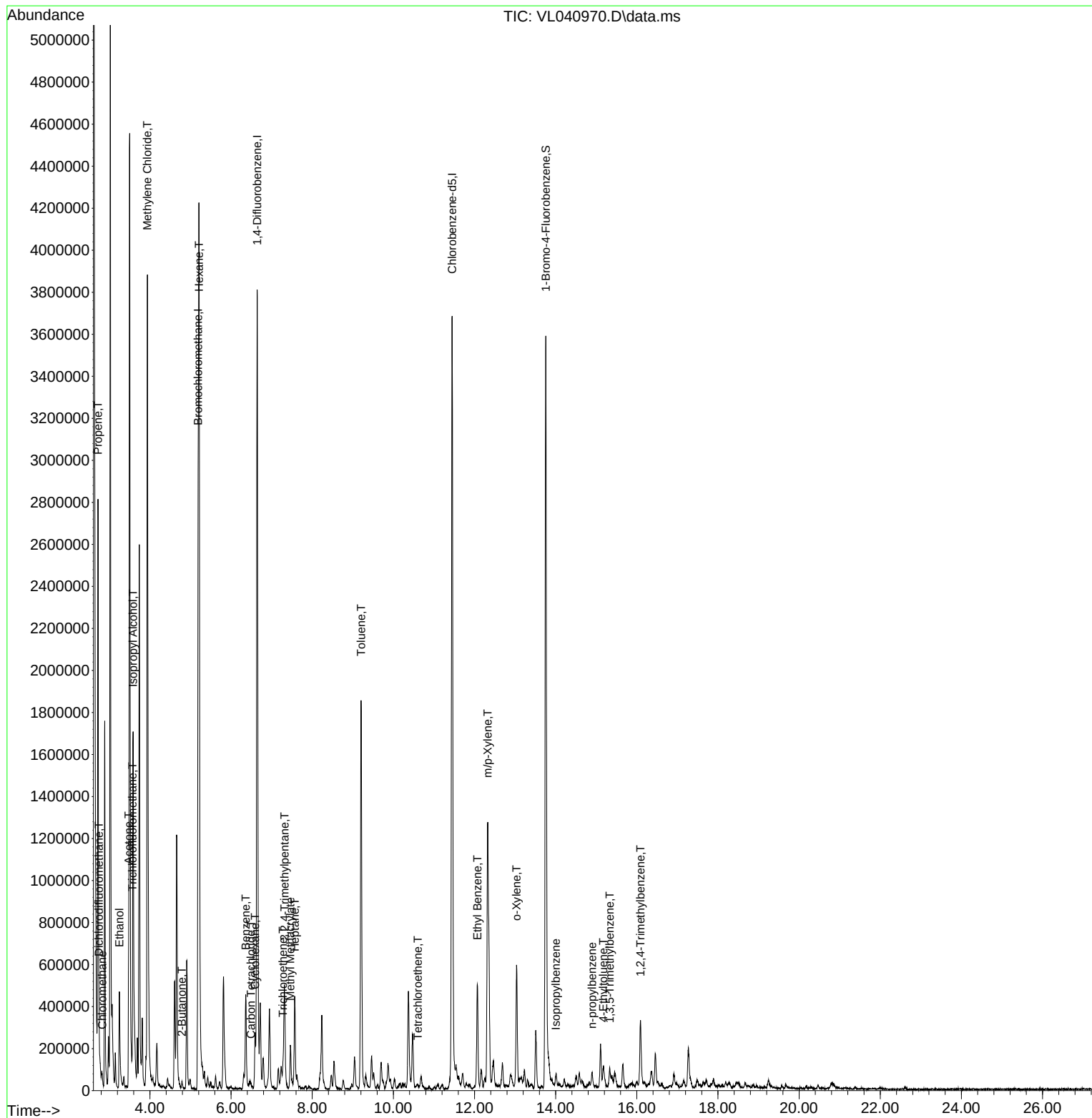
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
Data File : VL040970.D
Acq On : 15 Jan 2024 14:54
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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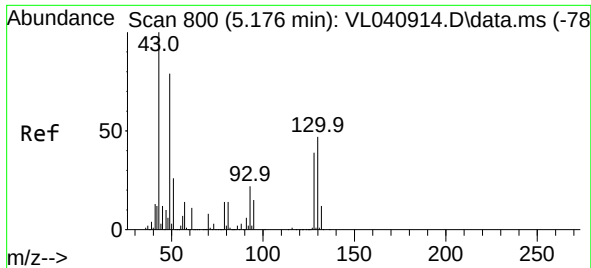
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jan 16 03:36:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 16 03:31:29 2024
Response via : Initial Calibration

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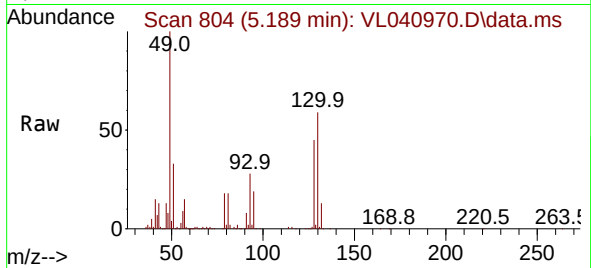
Reviewed By : Semsettin Yesilyurt 01/16/2024
Supervised By : Mahesh Dadoda 01/16/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

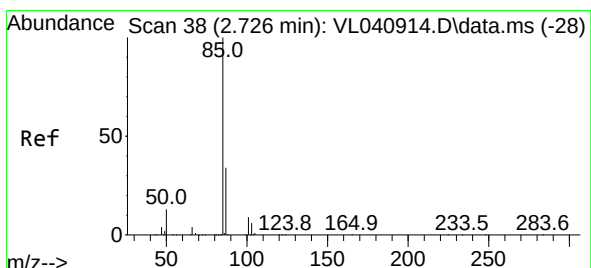
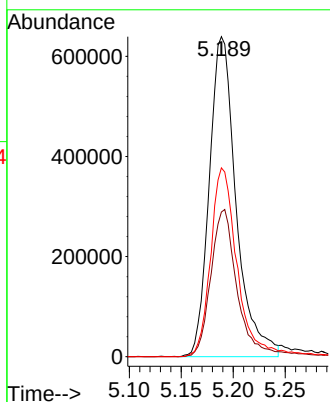
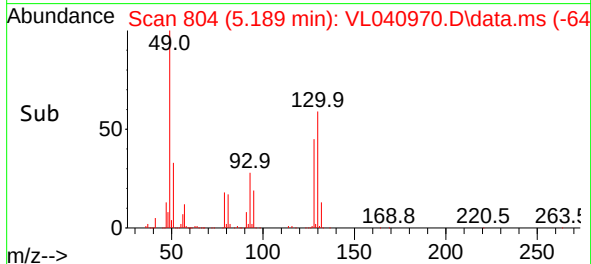
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 1149579
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 60.0 30.1 90.5

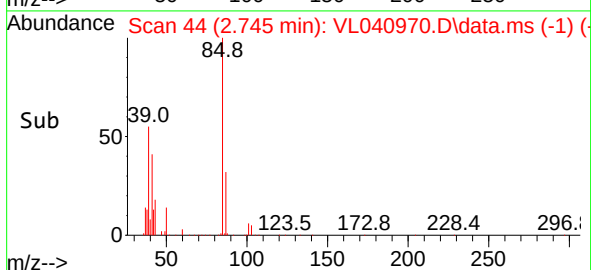
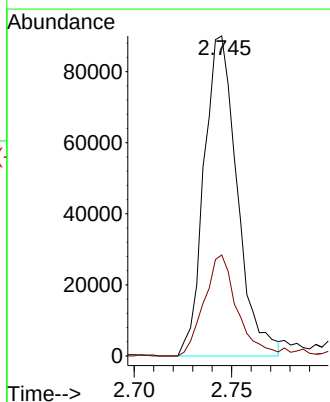
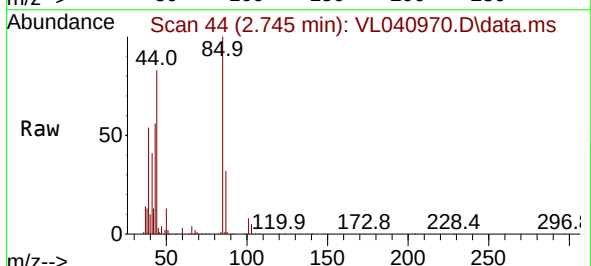
Manual Integrations
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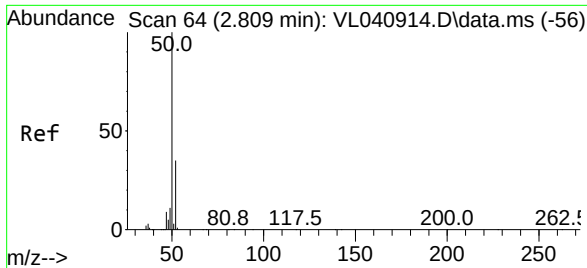
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#2
Dichlorodifluoromethane
Concen: 0.487 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.022 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

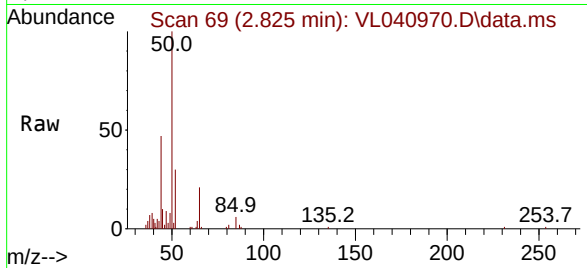
Tgt Ion: 85 Resp: 106682
Ion Ratio Lower Upper
85 100
87 31.6 27.0 40.6





#4
Chloromethane
Concen: 0.474 ppbv
RT: 2.825 min Scan# 64
Delta R.T. 0.019 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

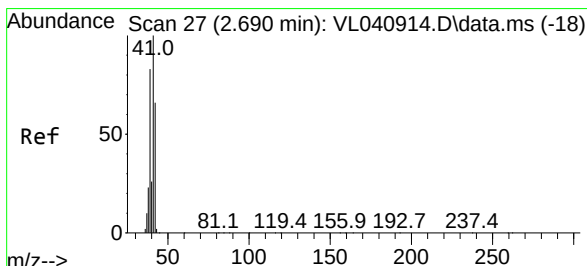
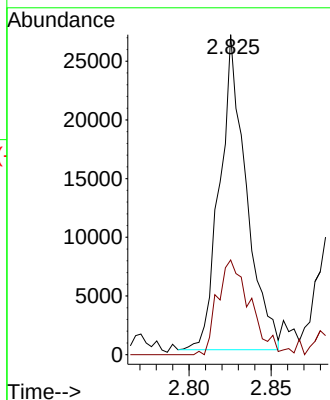
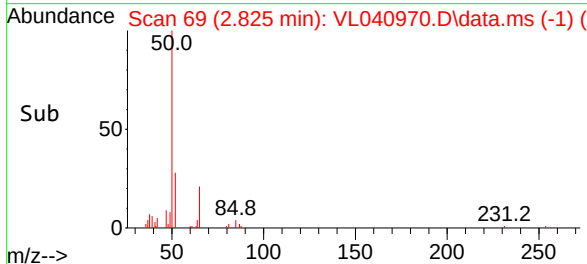
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 50 Resp: 3024
Ion Ratio Lower Upper
50 100
52 30.1 28.0 42.0

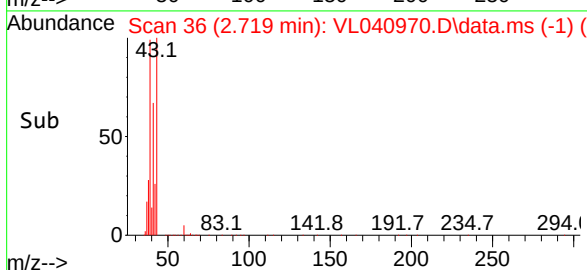
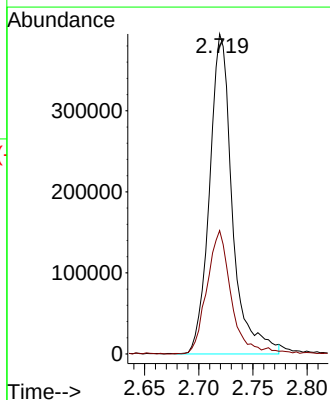
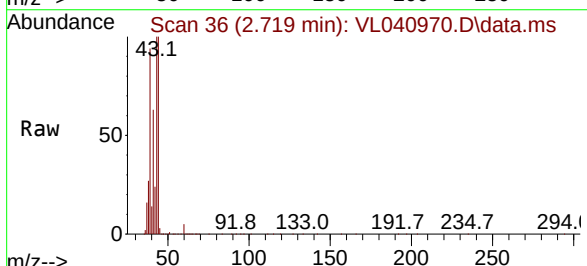
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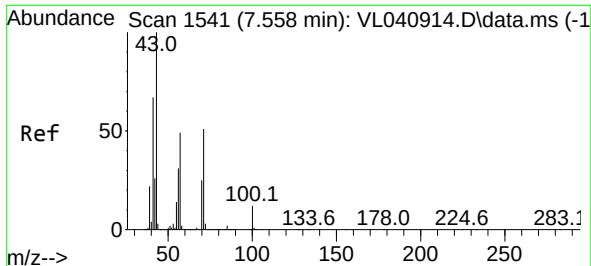
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#9
Propene
Concen: 10.151 ppbv m
RT: 2.719 min Scan# 36
Delta R.T. 0.032 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

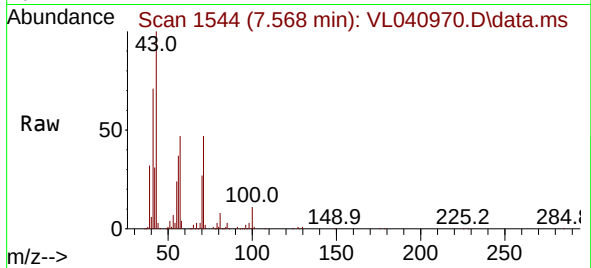
Tgt Ion: 41 Resp: 579431
Ion Ratio Lower Upper
41 100
42 52.7 55.8 83.6#





#10
Heptane
Concen: 1.166 ppbv
RT: 7.568 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

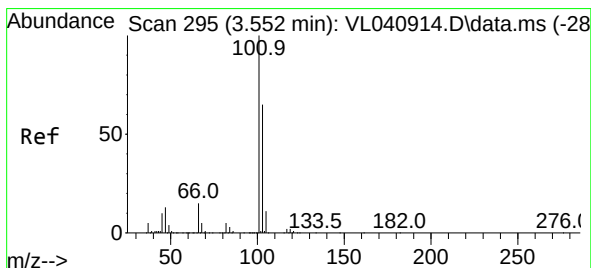
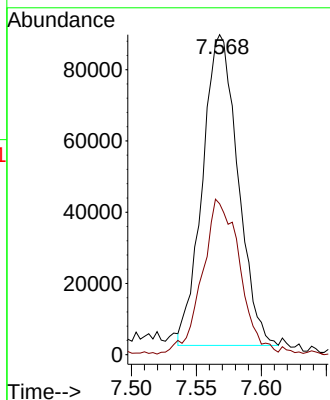
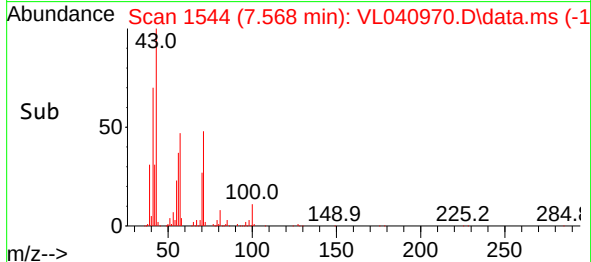
Instrument :
MSVOA_L
ClientSampleId :
IA1



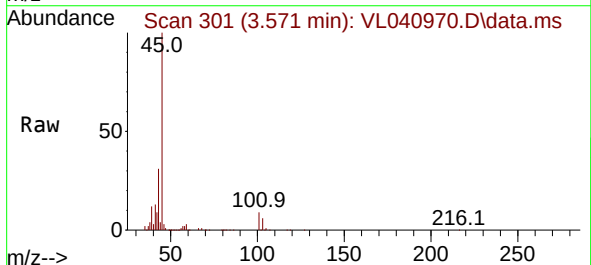
Tgt Ion: 43 Resp: 165408
Ion Ratio Lower Upper
43 100
57 53.8 39.3 58.9

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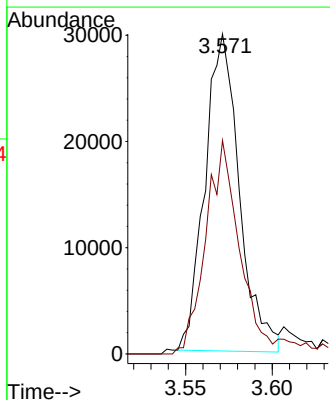
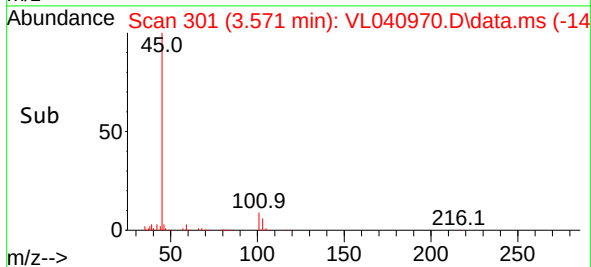
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

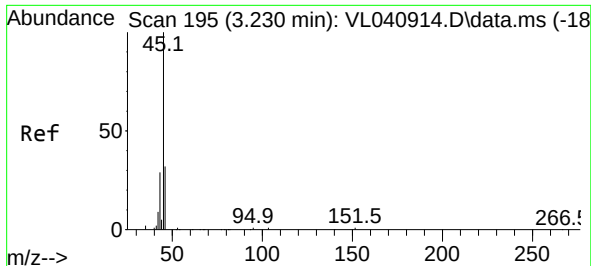


#11
Trichlorofluoromethane
Concen: 0.241 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54



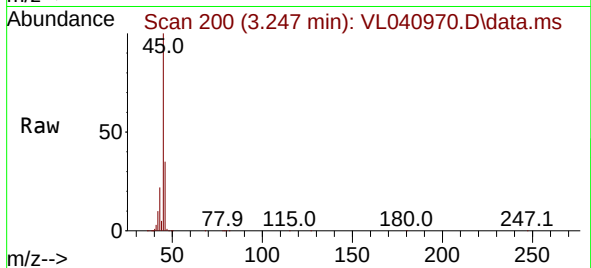
Tgt Ion:101 Resp: 41324
Ion Ratio Lower Upper
101 100
103 65.6 51.9 77.9





#13
Ethanol
Concen: 31.610 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.016 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

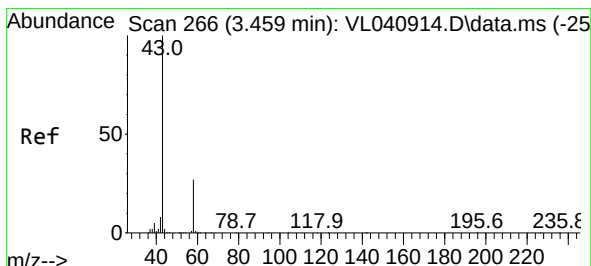
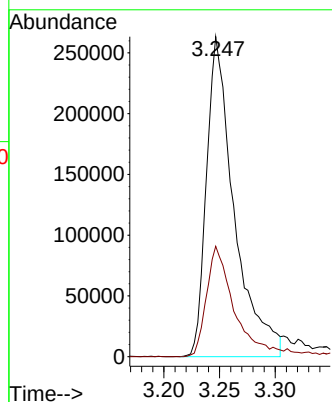
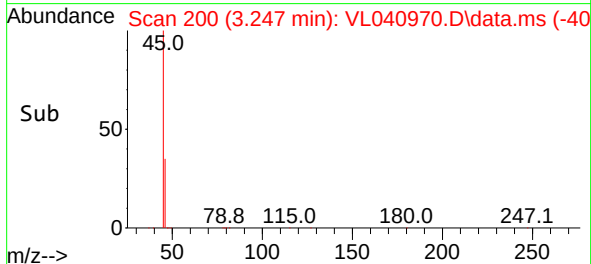
Instrument :
MSVOA_L
ClientSampleId :
IA1



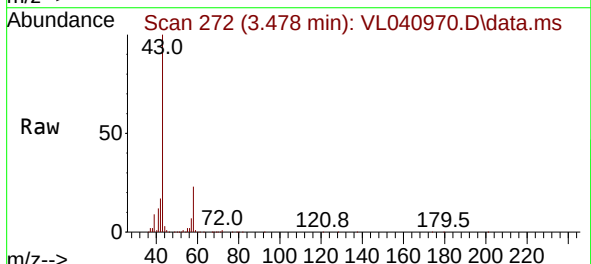
Tgt Ion: 45 Resp: 455179
Ion Ratio Lower Upper
45 100
46 37.4 15.0 60.0

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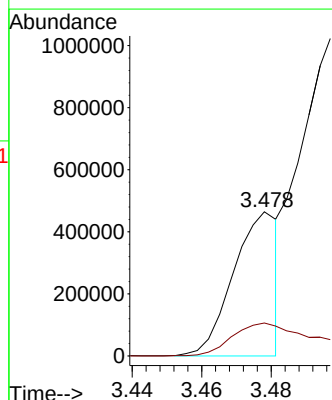
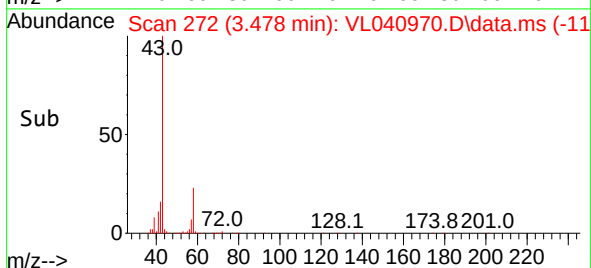
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

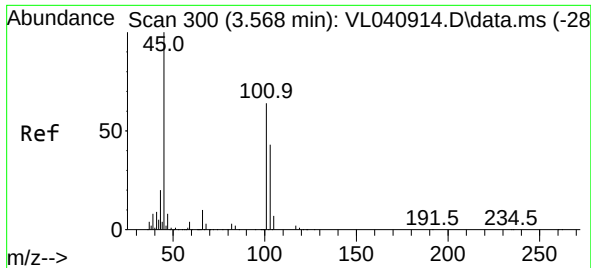


#15
Acetone
Concen: 2.993 ppbv m
RT: 3.478 min Scan# 272
Delta R.T. 0.022 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54



Tgt Ion: 43 Resp: 412594
Ion Ratio Lower Upper
43 100
58 0.0 20.6 30.8#





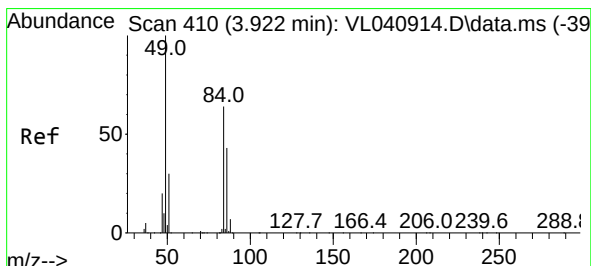
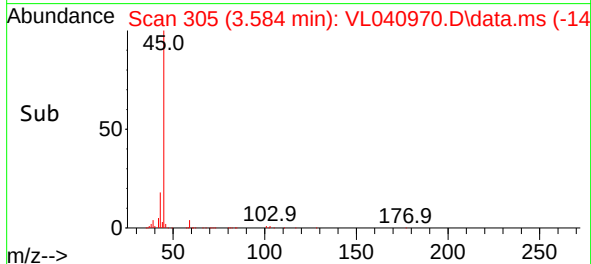
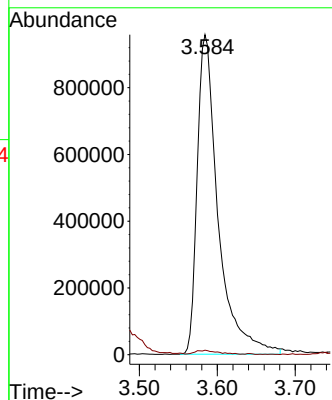
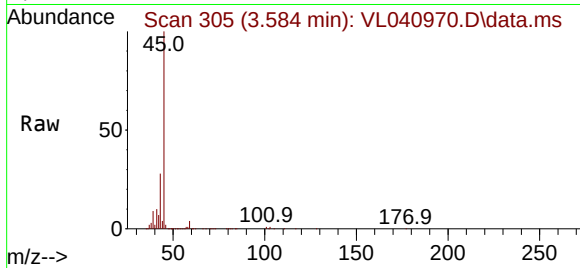
#19
Isopropyl Alcohol
Concen: 24.793 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.019 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 178369
Ion Ratio Lower Upper
45 100
58 2.1 1.5 2.3

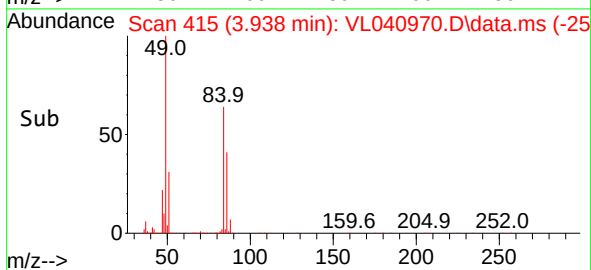
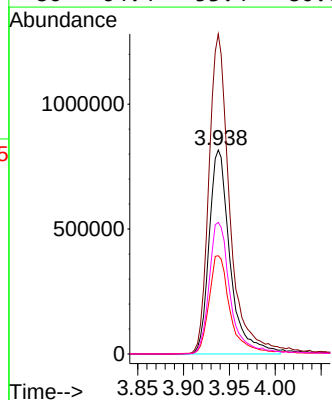
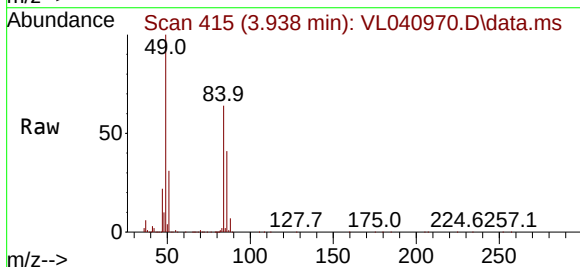
Manual Integrations
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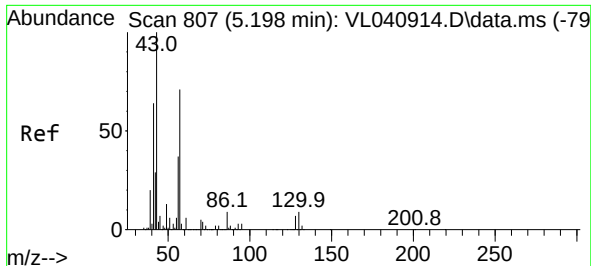
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#20
Methylene Chloride
Concen: 26.520 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.019 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

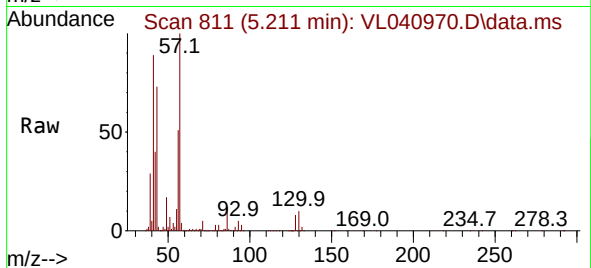
Tgt Ion: 84 Resp: 1303300
Ion Ratio Lower Upper
84 100
49 156.8 124.6 187.0
51 47.9 37.2 55.8
86 64.4 53.4 80.0





#26
Hexane
Concen: 13.564 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

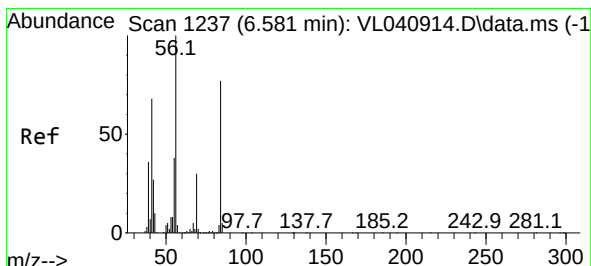
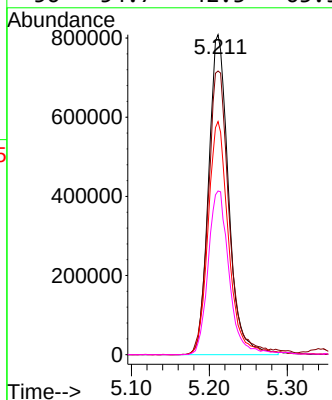
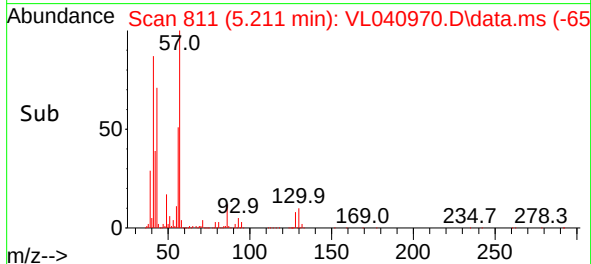
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 143610
Ion Ratio Lower Upper
57 100
41 94.6 75.2 112.8
43 75.8 188.0 282.0
56 54.7 42.3 63.5

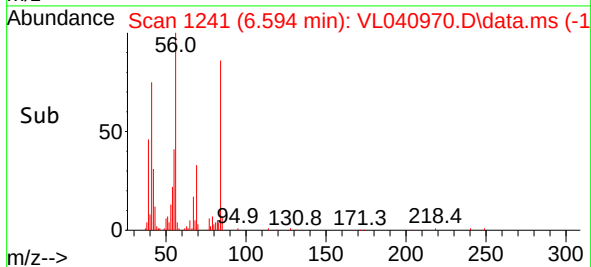
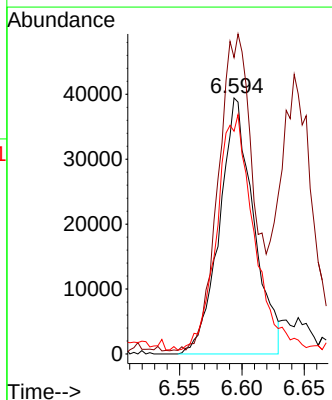
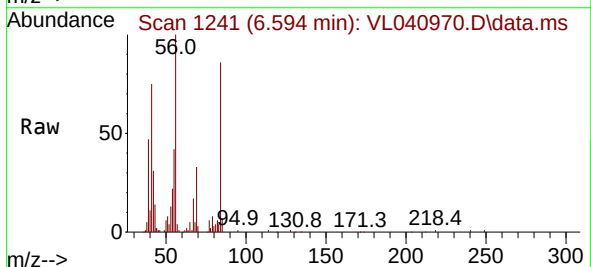
Manual Integrations
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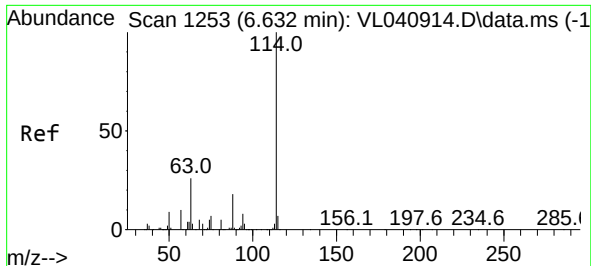
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#30
Cyclohexane
Concen: 0.848 ppbv
RT: 6.594 min Scan# 1241
Delta R.T. 0.010 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

Tgt Ion: 84 Resp: 74877
Ion Ratio Lower Upper
84 100
56 130.1 111.4 167.2
41 99.8 70.0 105.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL040970.D

Acq: 15 Jan 2024 14:54

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:114 Resp: 2823039

Ion Ratio Lower Upper

114 100

63 26.3 21.0 31.6

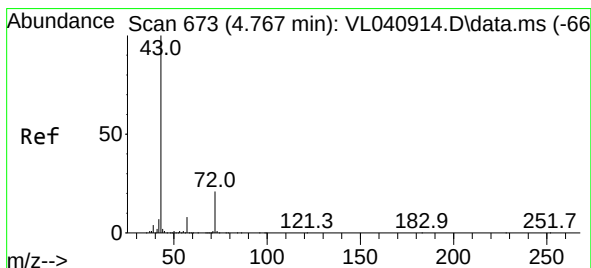
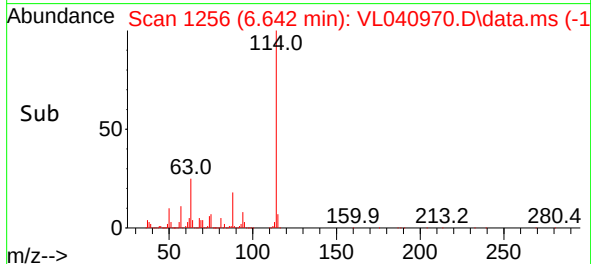
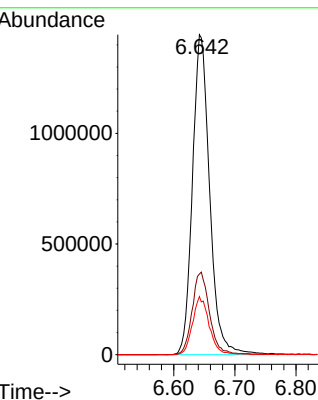
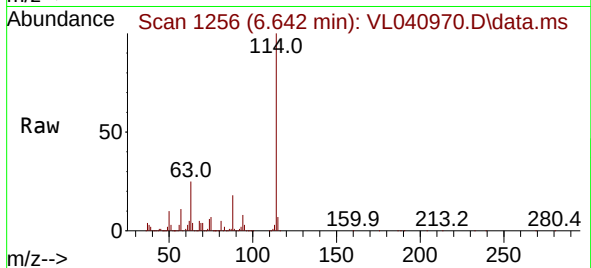
88 17.7 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/16/2024

Supervised By :Mahesh Dadoda 01/16/2024



#34

2-Butanone

Concen: 0.196 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.016 min

Lab File: VL040970.D

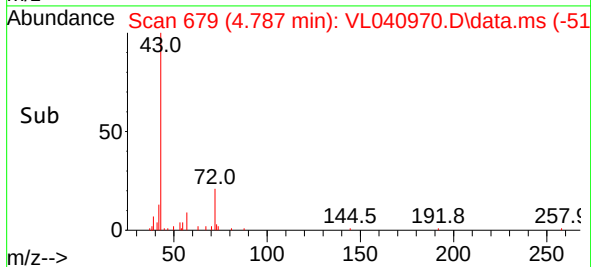
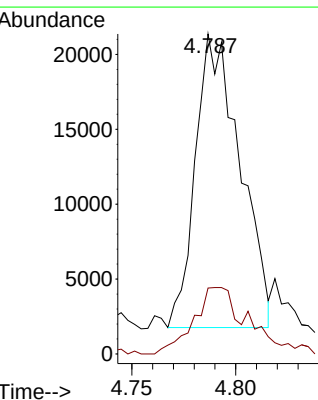
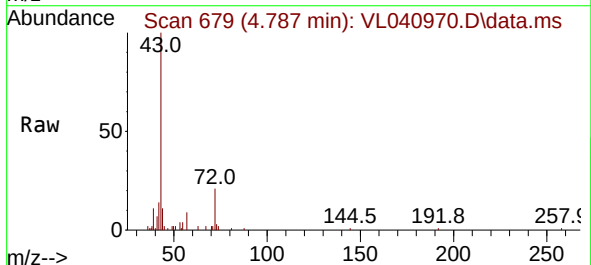
Acq: 15 Jan 2024 14:54

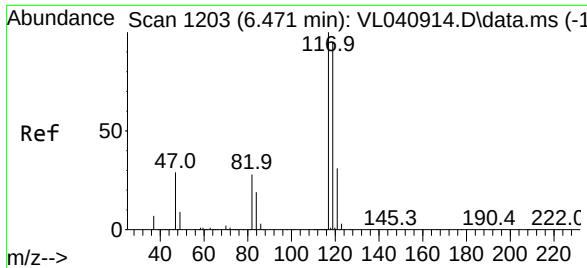
Tgt Ion: 43 Resp: 29240

Ion Ratio Lower Upper

43 100

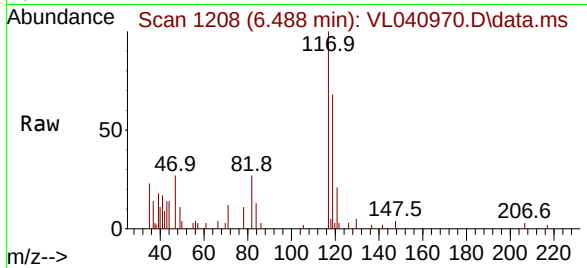
72 29.3 17.2 25.8#





#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.488 min Scan# 1169
Delta R.T. 0.013 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

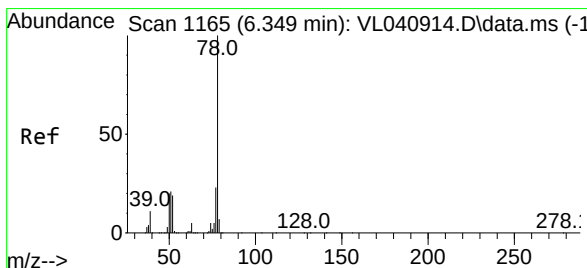
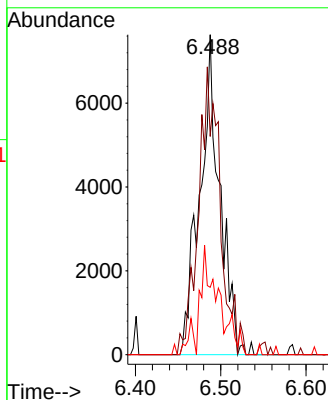
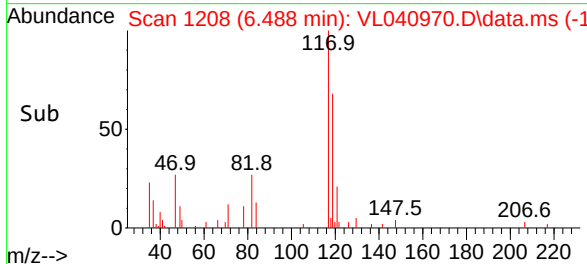
Instrument : MSVOA_L
ClientSampleId : IA1



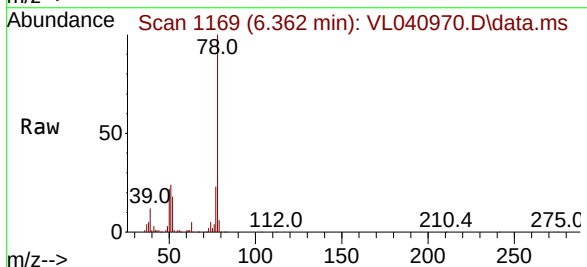
Tgt Ion: 117 Resp: 1237
Ion Ratio Lower Upper
117 100
119 68.2 76.3 114.5
121 21.1 24.9 37.3

Manual Integrations
APPROVED

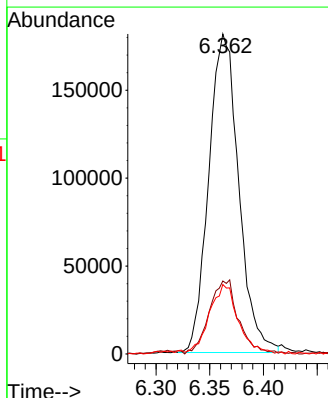
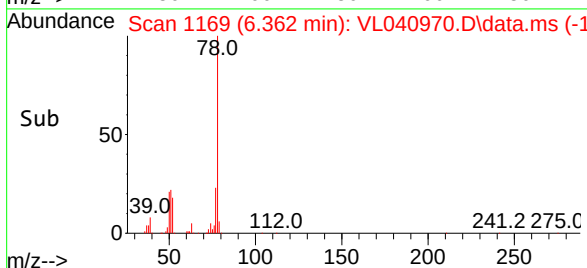
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

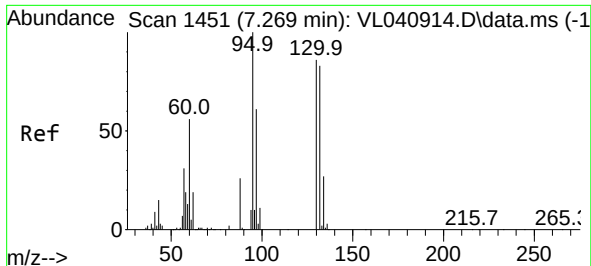


#36
Benzene
Concen: 1.591 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.010 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54



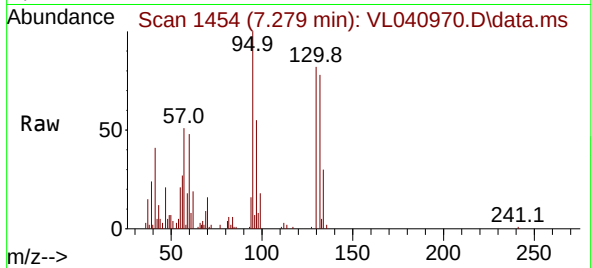
Tgt Ion: 78 Resp: 351174
Ion Ratio Lower Upper
78 100
77 22.6 18.4 27.6
50 20.8 16.0 24.0





#38
Trichloroethene
Concen: 0.309 ppbv m
RT: 7.279 min Scan# 1451
Delta R.T. 0.010 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

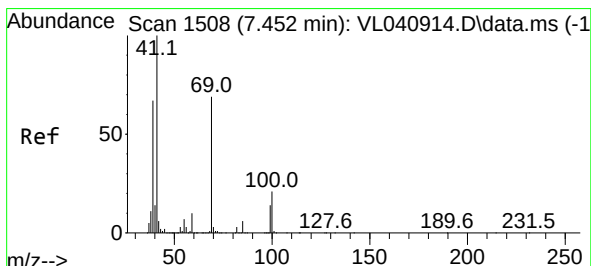
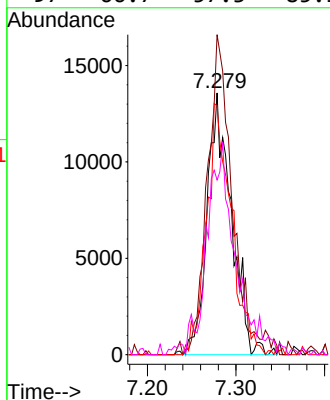
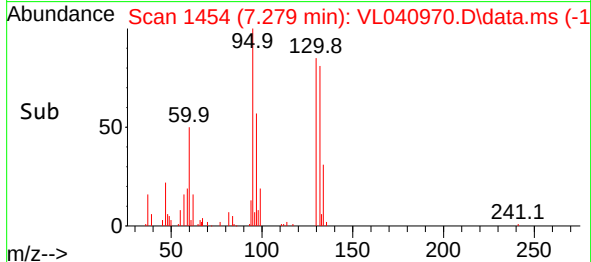
Instrument :
MSVOA_L
ClientSampleId :
IA1



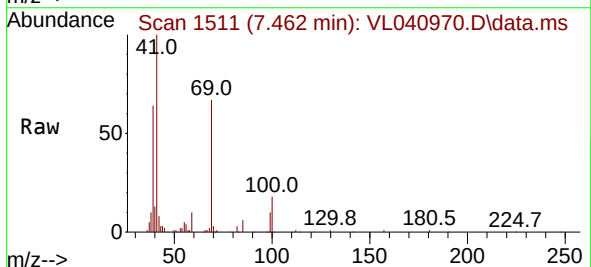
Tgt Ion:	130	Resp:	2564
Ion Ratio	Lower	Upper	
130	100		
95	122.3	93.5	140.3
132	95.0	77.4	116.2
97	66.7	57.3	85.9

Manual Integrations
APPROVED

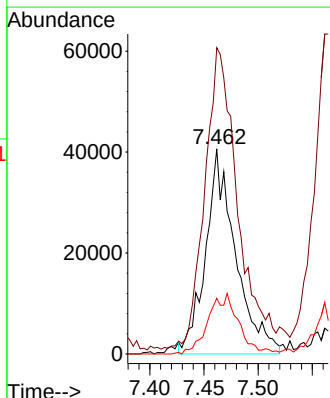
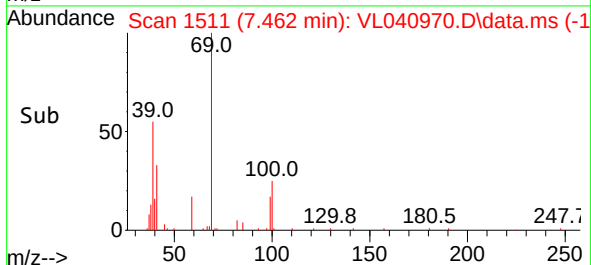
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

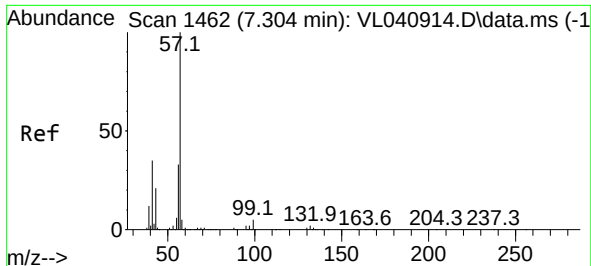


#43
Methyl Methacrylate
Concen: 0.900 ppbv m
RT: 7.462 min Scan# 1511
Delta R.T. 0.010 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54



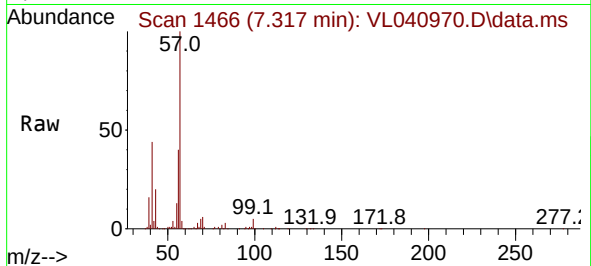
Tgt Ion:	69	Resp:	77931
Ion Ratio	Lower	Upper	
69	100		
41	172.1	119.9	179.9
100	30.0	25.1	37.7





#44
2,2,4-Trimethylpentane
Concen: 0.985 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.010 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

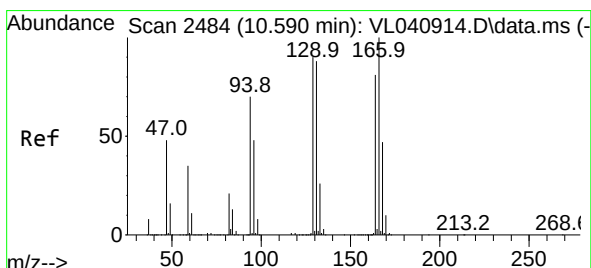
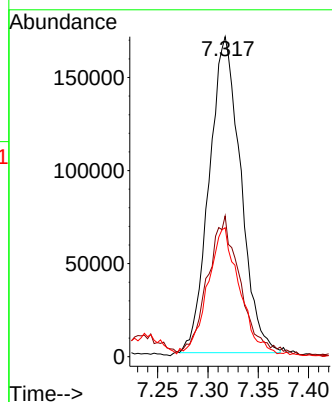
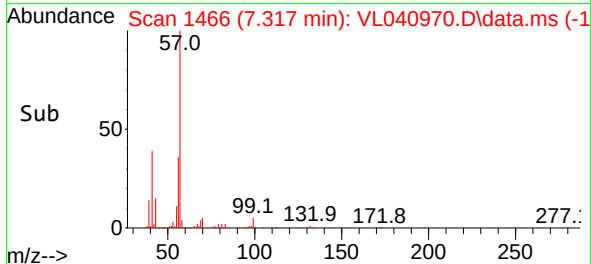
Instrument :
MSVOA_L
ClientSampleId :
IA1



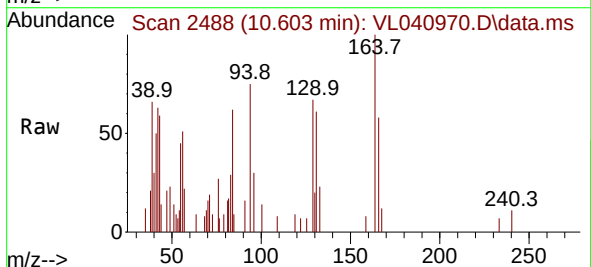
Tgt Ion: 57 Resp: 36920
Ion Ratio Lower Upper
57 100
41 47.8 28.2 42.4
56 43.3 25.3 37.9

Manual Integrations
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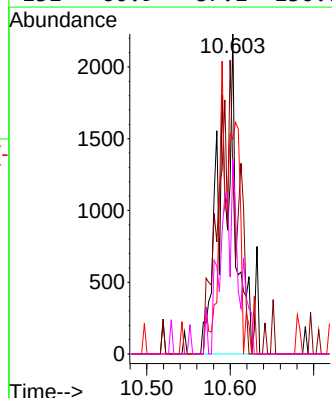
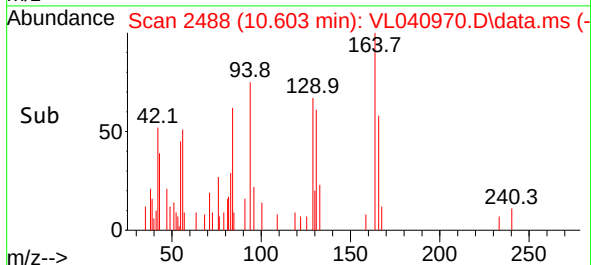
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

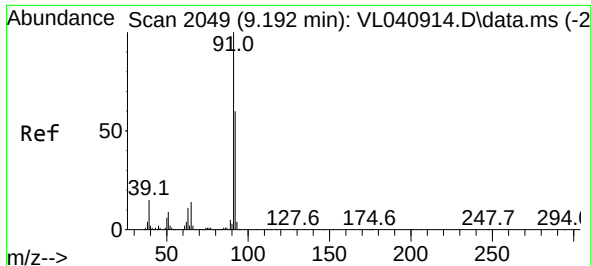


#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 10.603 min Scan# 2488
Delta R.T. 0.010 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54



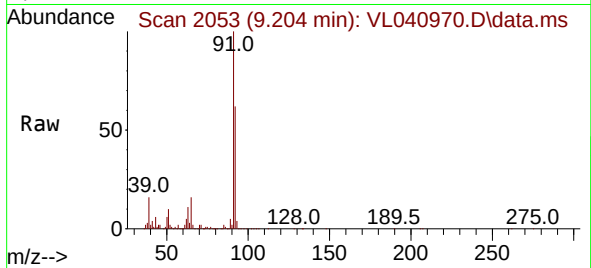
Tgt Ion:164 Resp: 3052
Ion Ratio Lower Upper
164 100
166 58.0 98.9 148.3#
129 67.2 88.7 133.1#
131 60.9 87.1 130.7#





#53
Toluene
Concen: 5.543 ppbv
RT: 9.204 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

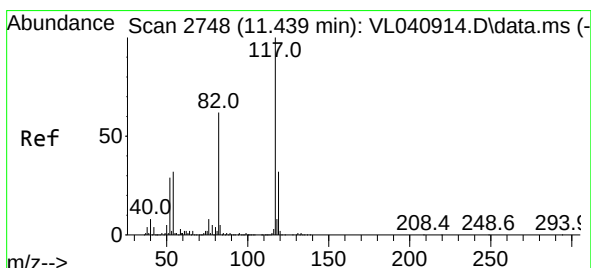
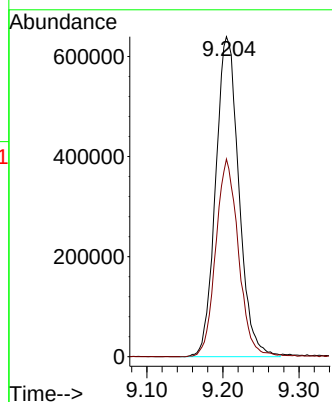
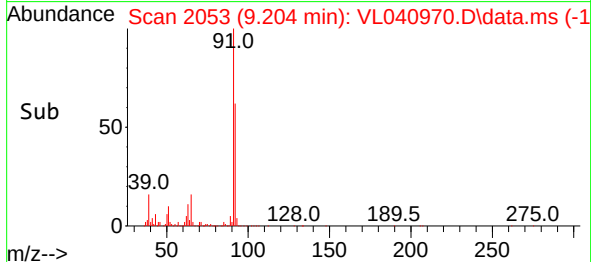
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 135647
Ion Ratio Lower Upper
91 100
92 60.8 49.2 73.8

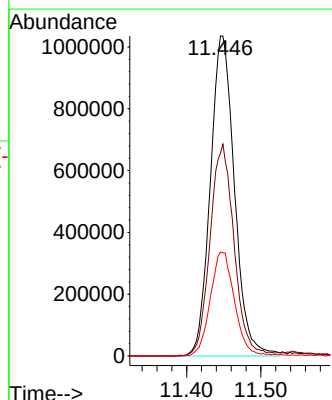
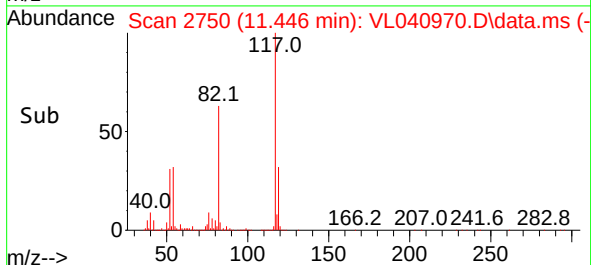
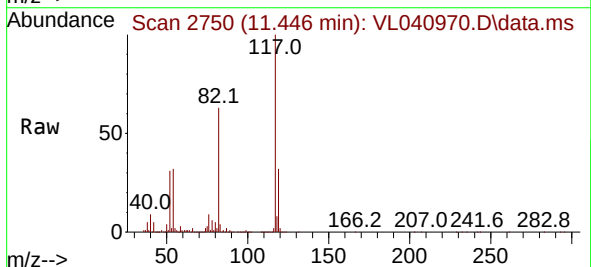
Manual Integrations
APPROVED

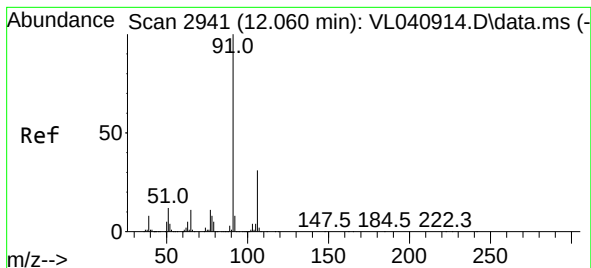
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. 0.003 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

Tgt Ion:117 Resp: 2343486
Ion Ratio Lower Upper
117 100
82 65.9 49.6 74.4
119 33.0 23.4 35.0





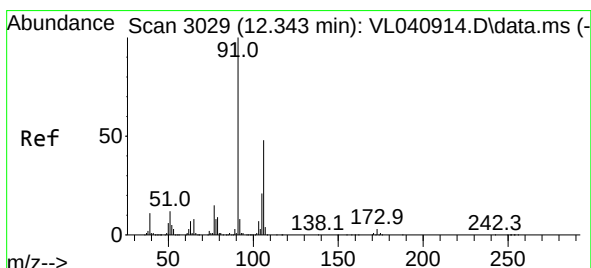
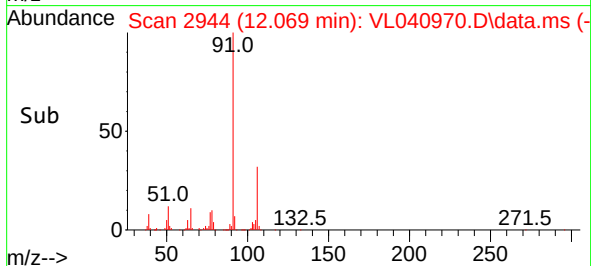
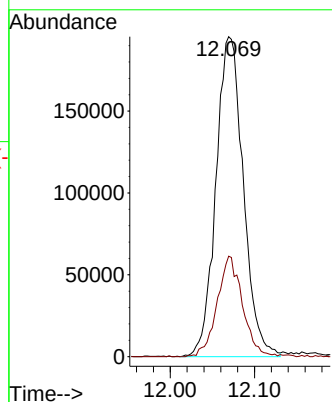
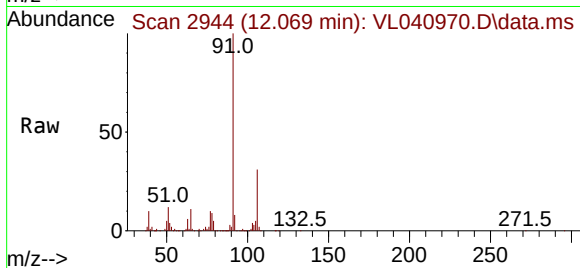
#58
Ethyl Benzene
Concen: 1.463 ppbv
RT: 12.069 min Scan# 2941
Delta R.T. 0.006 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 44042
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

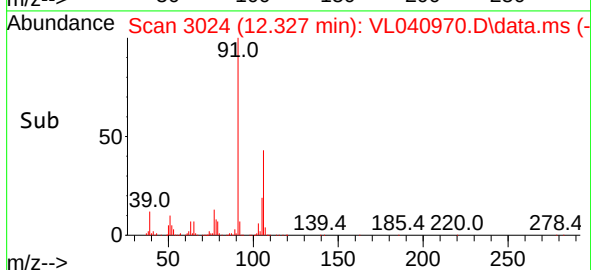
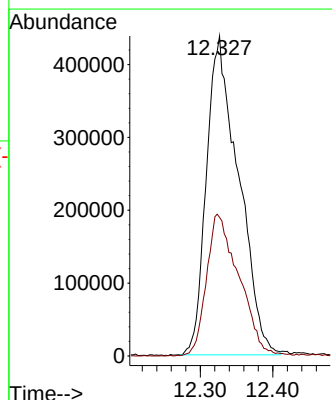
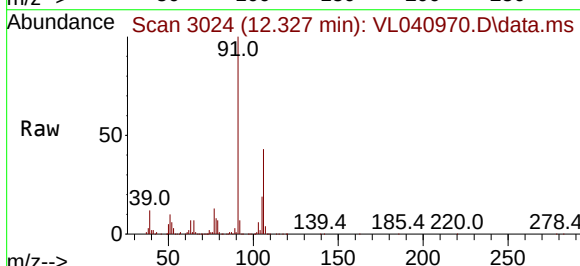
Manual Integrations
APPROVED

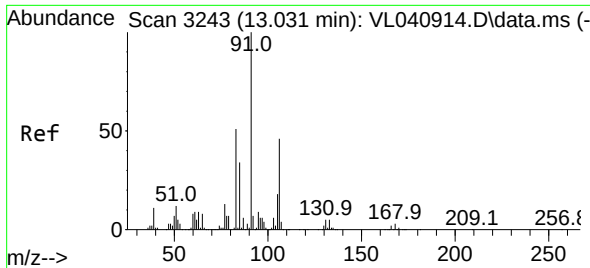
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#59
m/p-Xylene
Concen: 5.246 ppbv
RT: 12.327 min Scan# 3024
Delta R.T. -0.023 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

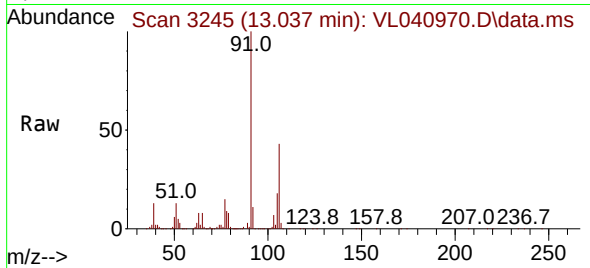
Tgt Ion: 91 Resp: 1343073
Ion Ratio Lower Upper
91 100
106 45.6 0.0 0.0#





#60
o-Xylene
Concen: 1.850 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

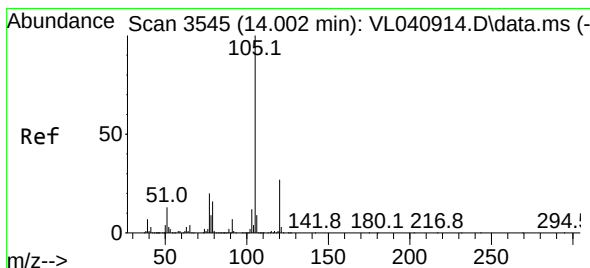
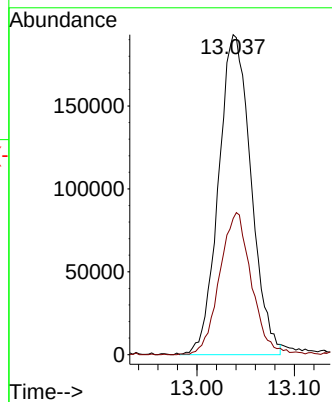
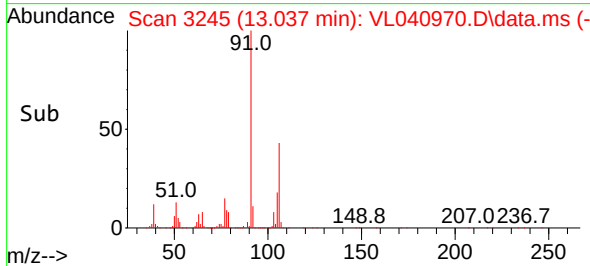
Instrument :
MSVOA_L
ClientSampleId :
IA1



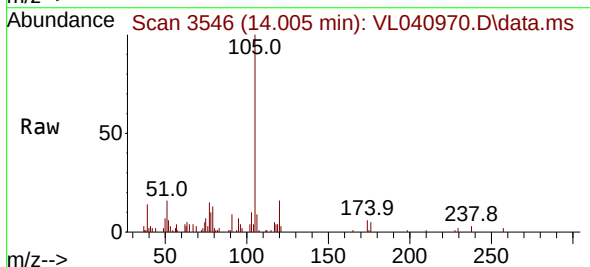
Tgt Ion: 91 Resp: 44621
Ion Ratio Lower Upper
91 100
106 43.8 22.6 67.7

Manual Integrations
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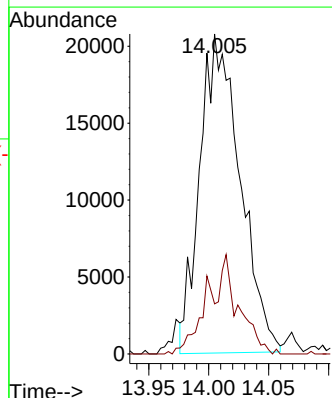
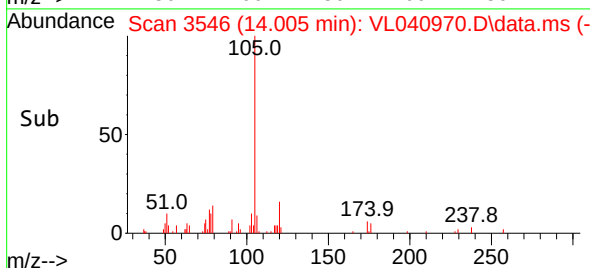
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

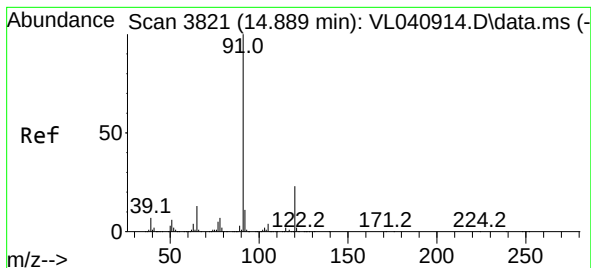


#62
Isopropylbenzene
Concen: 0.135 ppbv
RT: 14.005 min Scan# 3546
Delta R.T. -0.000 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54



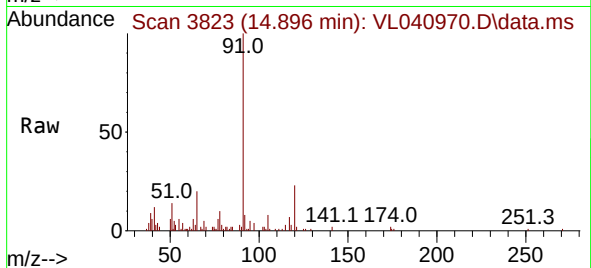
Tgt Ion:105 Resp: 48375
Ion Ratio Lower Upper
105 100
120 23.9 20.7 31.1





#64
n-propylbenzene
Concen: 0.140 ppbv m
RT: 14.896 min Scan# 3823
Delta R.T. 0.003 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

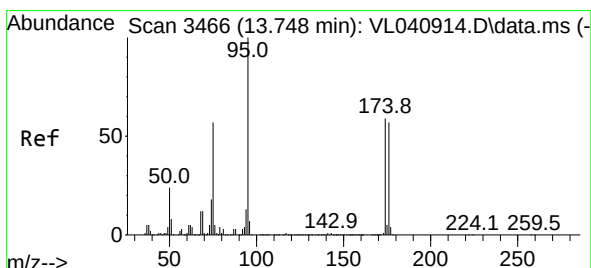
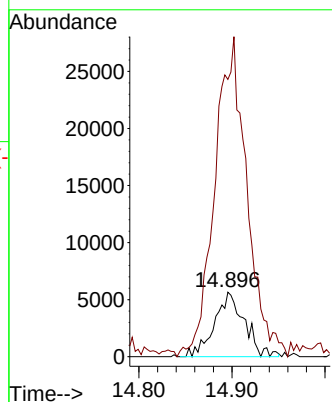
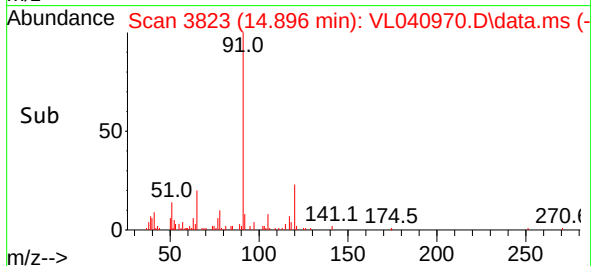
Instrument :
MSVOA_L
ClientSampleId :
IA1



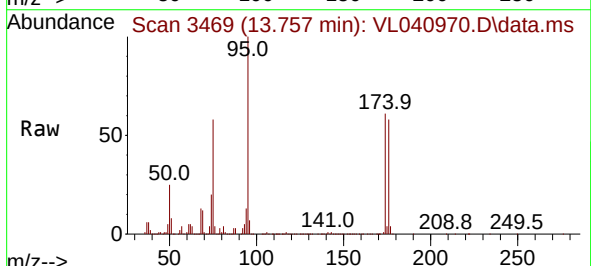
Tgt Ion:120 Resp: 12584
Ion Ratio Lower Upper
120 100
91 527.6 381.9 572.9

Manual Integrations
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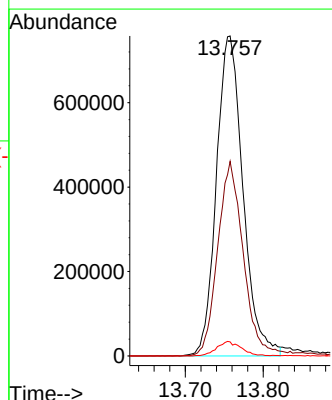
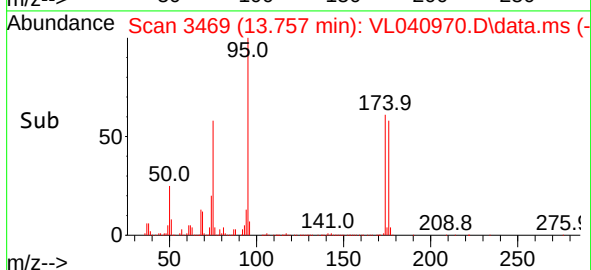
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

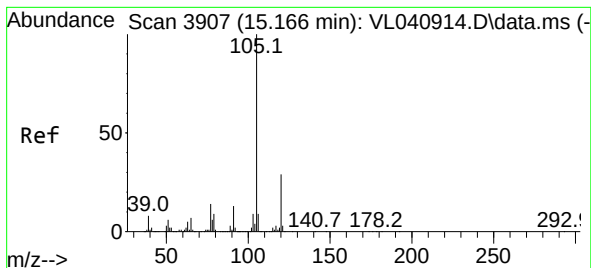


#68
1-Bromo-4-Fluorobenzene
Concen: 10.414 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. 0.003 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54



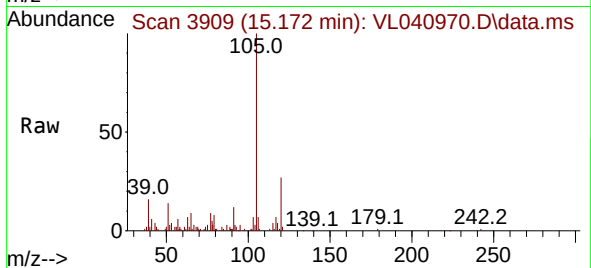
Tgt Ion: 95 Resp: 1797685
Ion Ratio Lower Upper
95 100
174 60.1 48.0 72.0
175 4.4 3.7 5.5





#72
4-Ethyltoluene
Concen: 0.298 ppbv m
RT: 15.172 min Scan# 3909
Delta R.T. 0.003 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

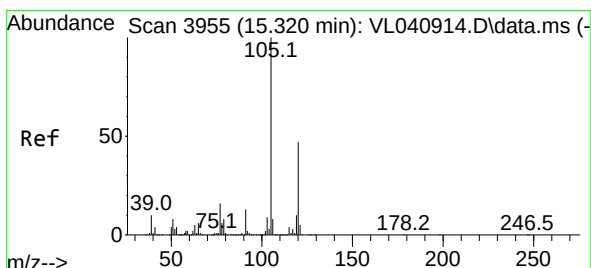
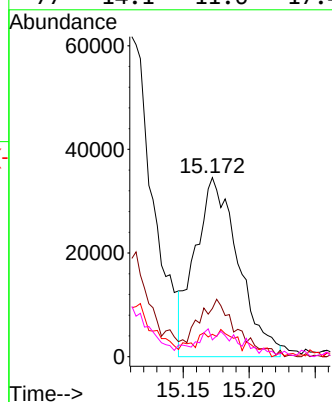
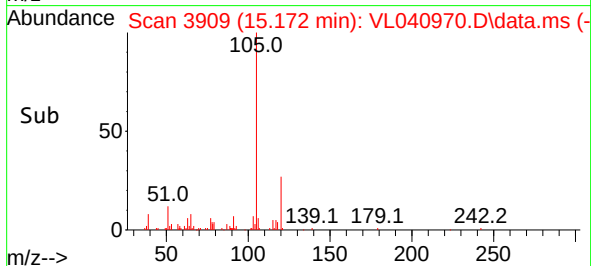
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:105 Resp: 78850
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.8
91 0.0 10.9 16.3
77 14.1 11.6 17.4

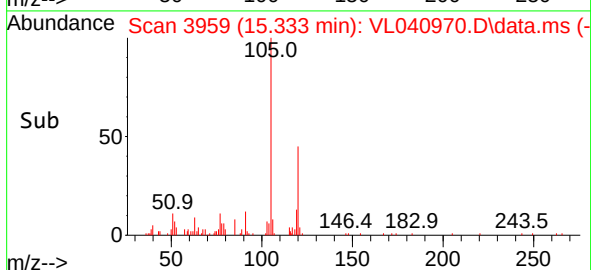
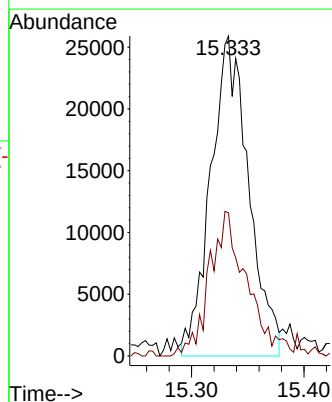
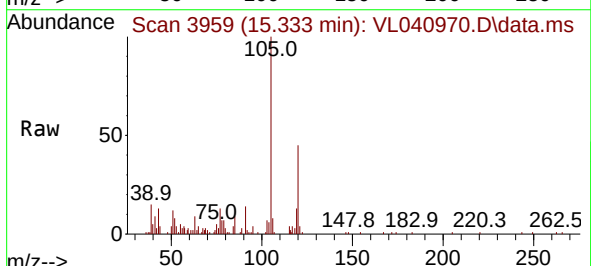
Manual Integrations
APPROVED

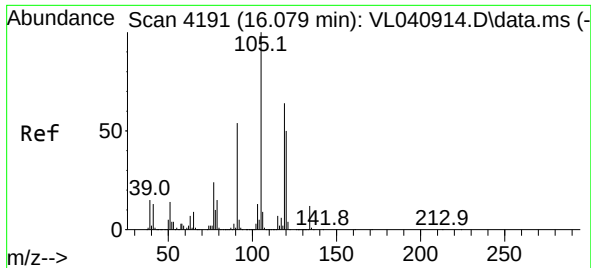
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#73
1,3,5-Trimethylbenzene
Concen: 0.266 ppbv m
RT: 15.333 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VL040970.D
Acq: 15 Jan 2024 14:54

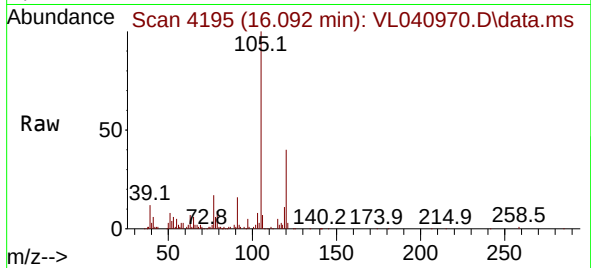
Tgt Ion:105 Resp: 60860
Ion Ratio Lower Upper
105 100
120 44.7 37.8 56.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.927 ppbv m
 RT: 16.092 min Scan# 4195
 Delta R.T. 0.006 min
 Lab File: VL040970.D
 Acq: 15 Jan 2024 14:54

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion:	105	Resp:	235798
Ion Ratio	Lower	Upper	
105	100		
120	40.3	40.2	60.4
91	16.5	43.0	64.6
77	16.5	18.9	28.3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/16/2024
 Supervised By :Mahesh Dadoda 01/16/2024

