

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
 Data File : VL041272.D
 Acq On : 21 May 2024 19:37
 Operator : SY/MD
 Sample : P2534-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024

Quant Time: May 22 05:47:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Wed May 22 05:39:49 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	884784	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2227397	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2165747	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1686330	10.314	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	45709	0.382	ppbv	97
3) Chlorodifluoromethane	2.693	51	92618	0.689	ppbv #	89
4) Chloromethane	2.832	50	31829	0.604	ppbv	94
9) Propene	2.725	41	59169	1.125	ppbv #	76
11) Trichlorofluoromethane	3.578	101	29634	0.244	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.076	101	6784m	0.075	ppbv	
13) Ethanol	3.256	45	85406	7.245	ppbv	94
15) Acetone	3.481	43	1379378	13.210	ppbv	100
19) Isopropyl Alcohol	3.597	45	119871	1.749	ppbv #	41
20) Methylene Chloride	3.944	84	2244333	61.808	ppbv	98
26) Hexane	5.221	57	1183341	12.723	ppbv #	40
30) Cyclohexane	6.597	84	8134m	0.110	ppbv	
34) 2-Butanone	4.803	43	85959	0.758	ppbv	98
35) Carbon Tetrachloride	6.500	117	8919m	0.071	ppbv	
36) Benzene	6.375	78	30231	0.162	ppbv	97
38) Trichloroethene	7.311	130	2117m	0.030	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	50665	0.157	ppbv #	87
52) Tetrachloroethene	10.619	164	13611	0.207	ppbv	92
53) Toluene	9.224	91	191842	0.885	ppbv	99
58) Ethyl Benzene	12.092	91	21145m	0.071	ppbv	
59) m/p-Xylene	12.339	91	60773m	0.243	ppbv	
60) o-Xylene	13.056	91	22843m	0.098	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	31483m	0.120	ppbv	

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

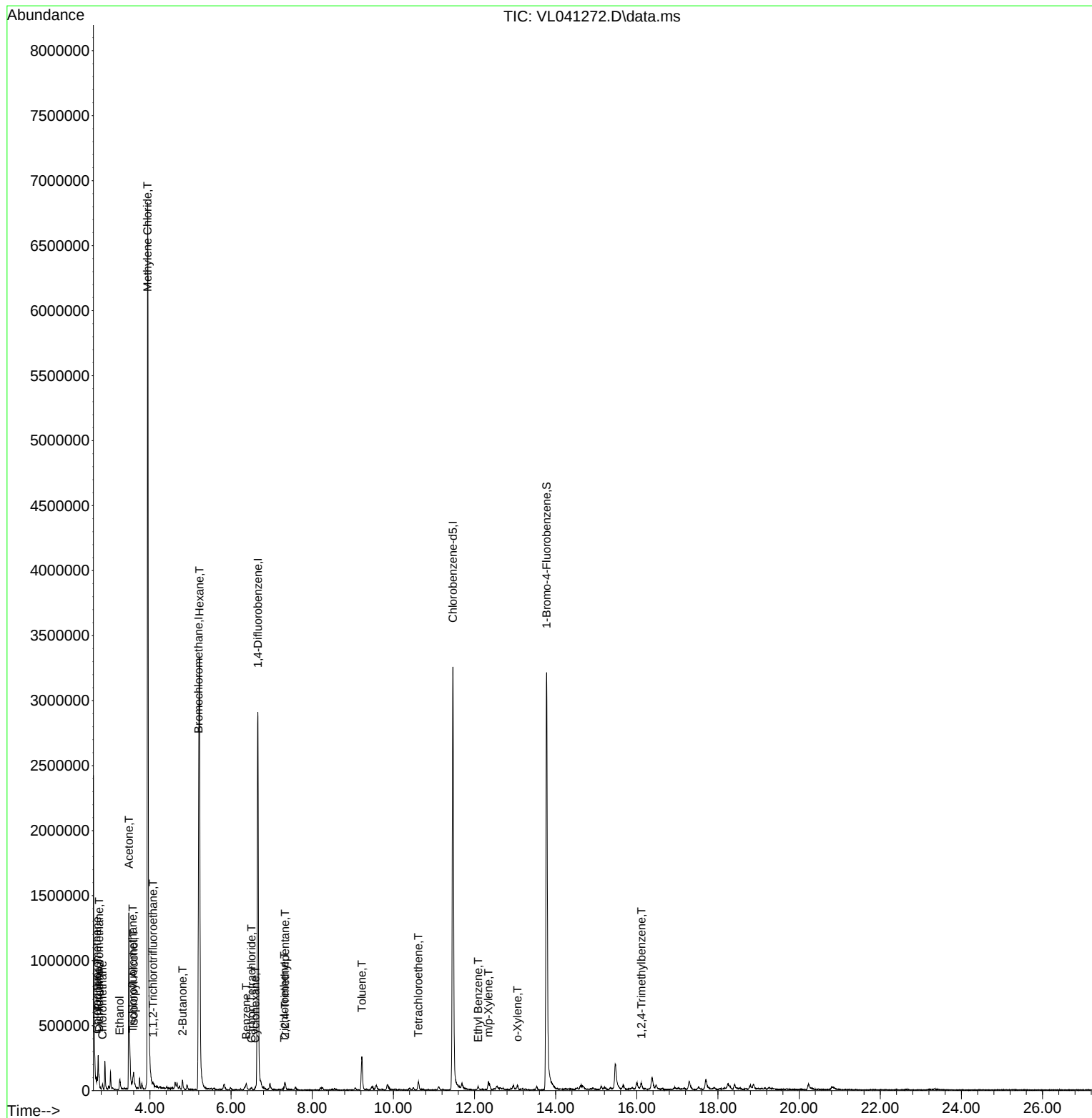
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
Data File : VL041272.D
Acq On : 21 May 2024 19:37
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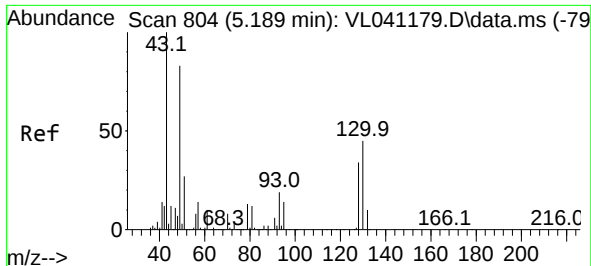
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: May 22 05:47:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed May 22 05:39:49 2024
Response via : Initial Calibration

Manual Integrations
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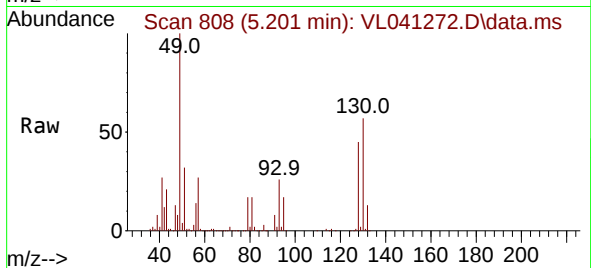
Reviewed By : Semsettin Yesilyurt 05/22/2024
Supervised By : Mahesh Dadoda 05/22/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 804
Delta R.T. 0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

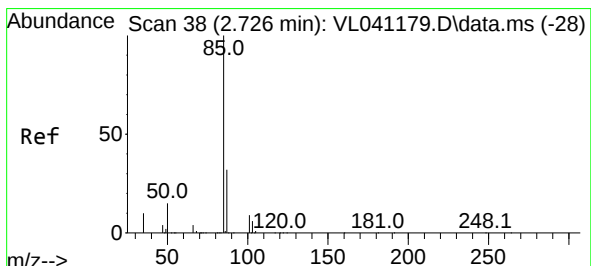
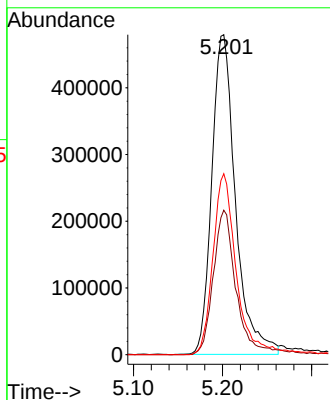
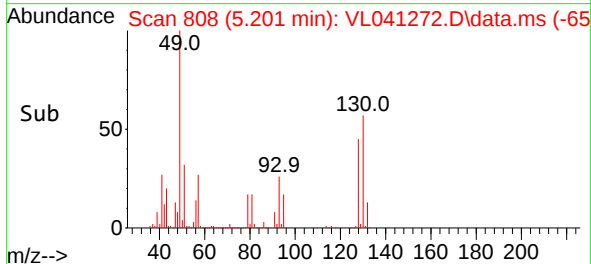
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 884784
Ion Ratio Lower Upper
49 100
128 44.6 21.5 64.5
130 56.5 27.2 81.6

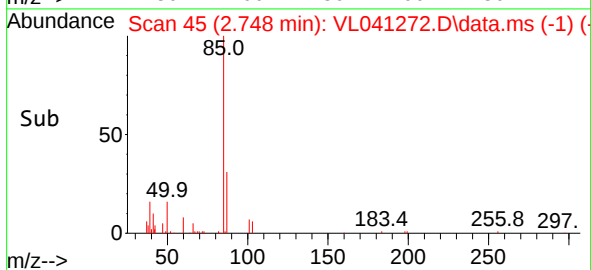
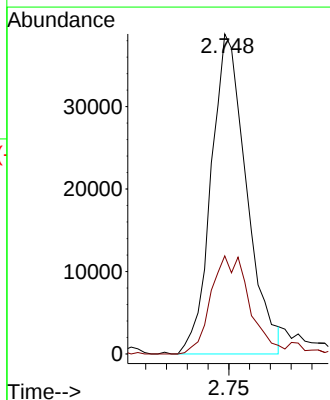
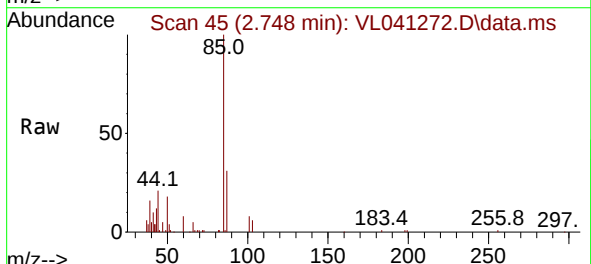
Manual Integrations
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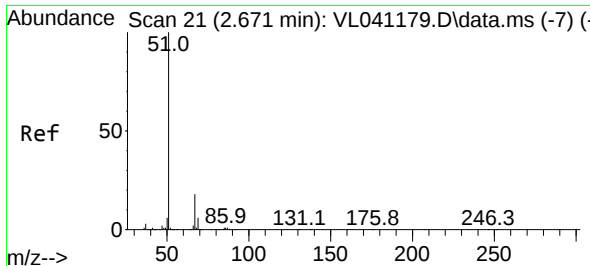
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#2
Dichlorodifluoromethane
Concen: 0.382 ppbv
RT: 2.748 min Scan# 45
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

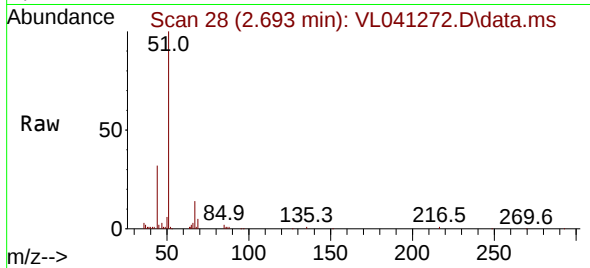
Tgt Ion: 85 Resp: 45709
Ion Ratio Lower Upper
85 100
87 30.7 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.689 ppbv
RT: 2.693 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

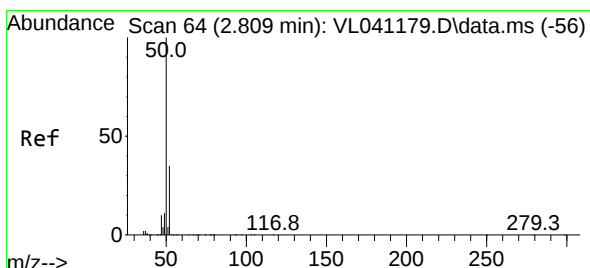
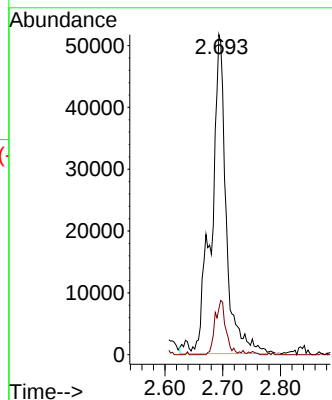
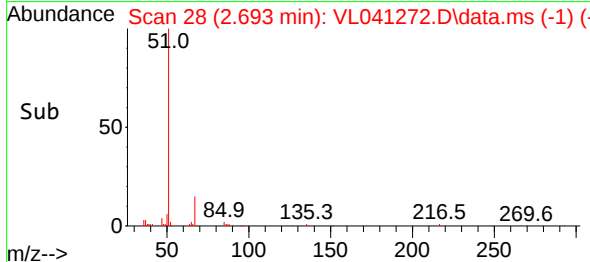
Instrument :
MSVOA_L
ClientSampleId :
OA1



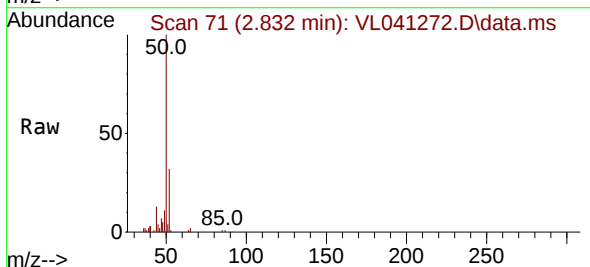
Tgt Ion: 51 Resp: 92618
Ion Ratio Lower Upper
51 100
67 12.6 14.0 21.0

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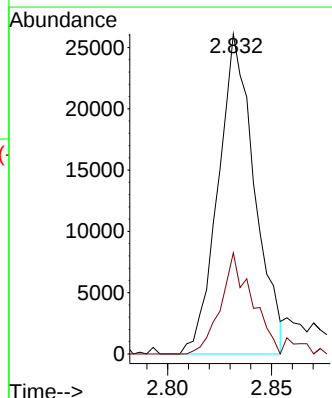
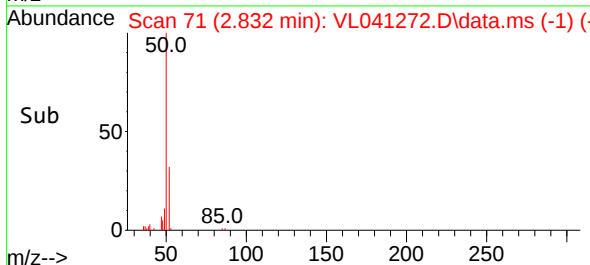
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

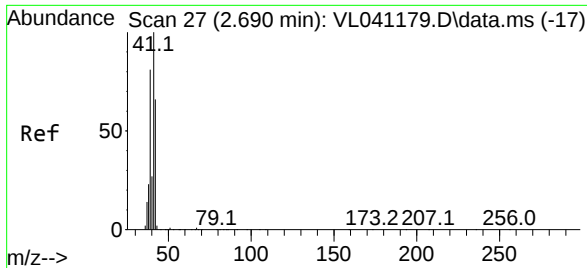


#4
Chloromethane
Concen: 0.604 ppbv
RT: 2.832 min Scan# 71
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37



Tgt Ion: 50 Resp: 31829
Ion Ratio Lower Upper
50 100
52 32.0 28.3 42.5





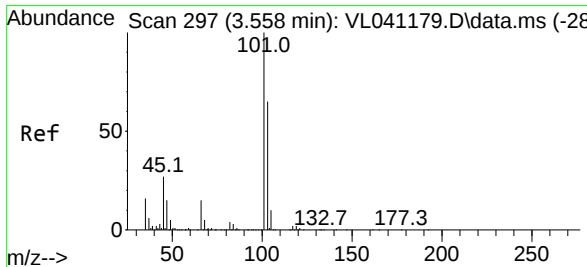
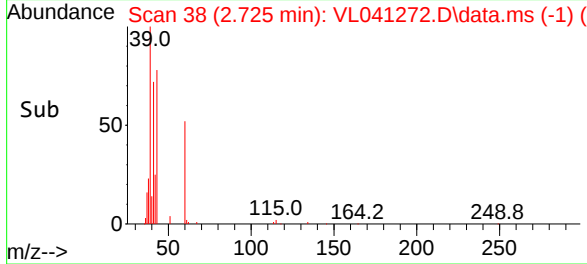
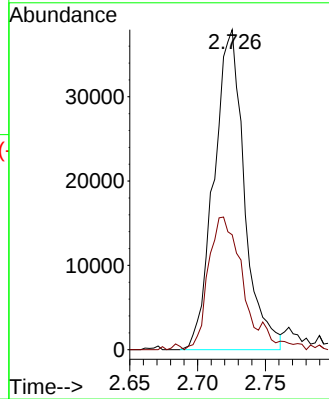
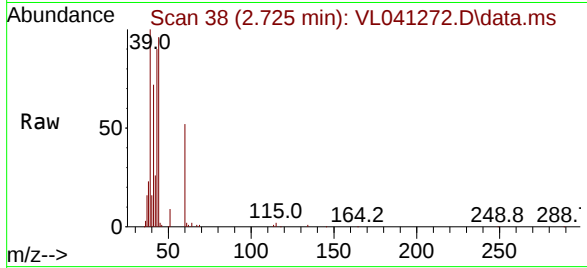
#9
Propene
Concen: 1.125 ppbv
RT: 2.725 min Scan# 303
Delta R.T. 0.013 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 59169
Ion Ratio Lower Upper
41 100
42 49.4 55.3 82.9

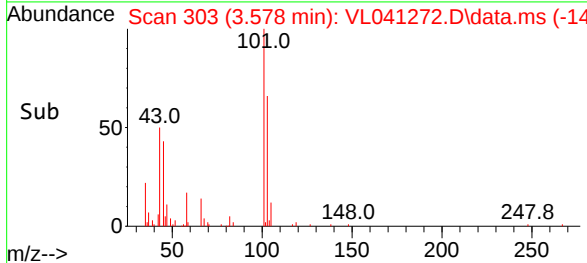
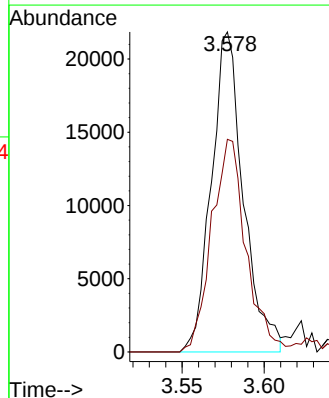
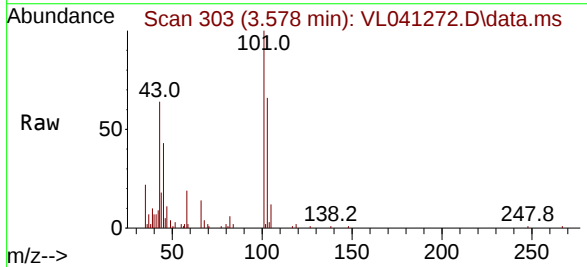
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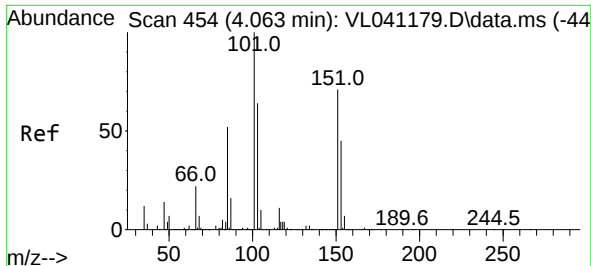
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#11
Trichlorofluoromethane
Concen: 0.244 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.003 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Tgt Ion:101 Resp: 29634
Ion Ratio Lower Upper
101 100
103 66.5 51.6 77.4





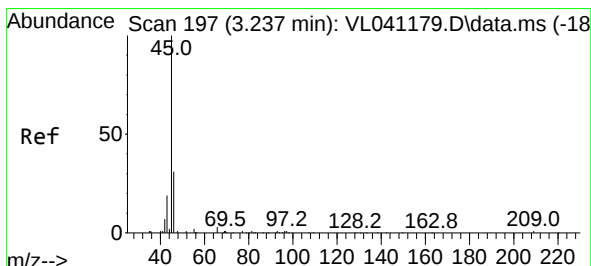
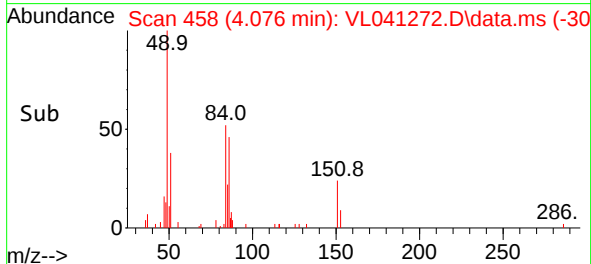
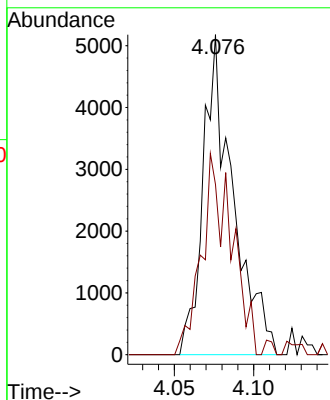
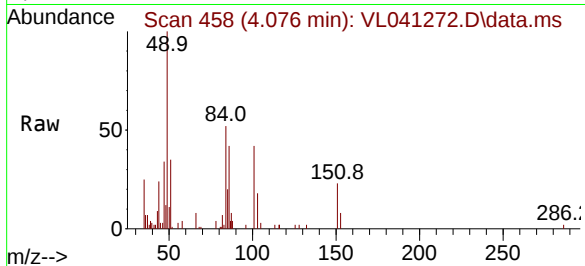
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.075 ppbv m
RT: 4.076 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 6784
Ion Ratio Lower Upper
101 100
151 67.4 56.8 85.2

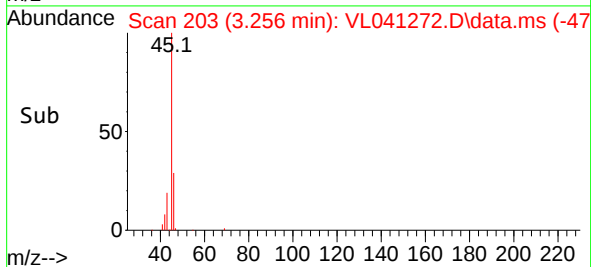
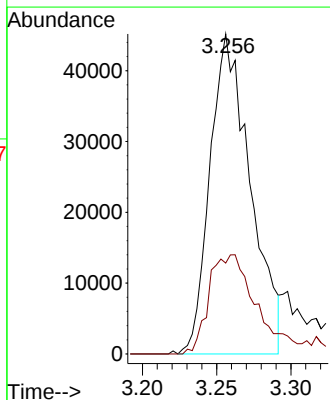
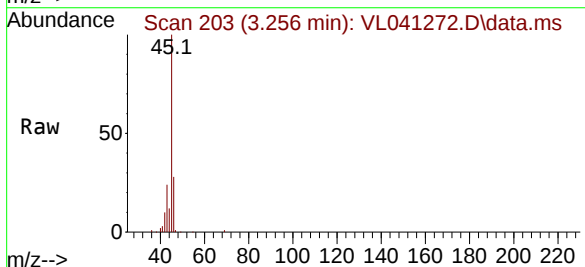
Manual Integrations
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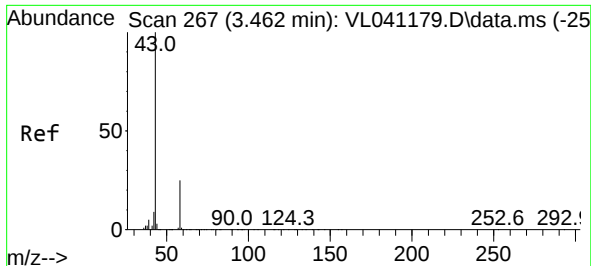
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#13
Ethanol
Concen: 7.245 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.003 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

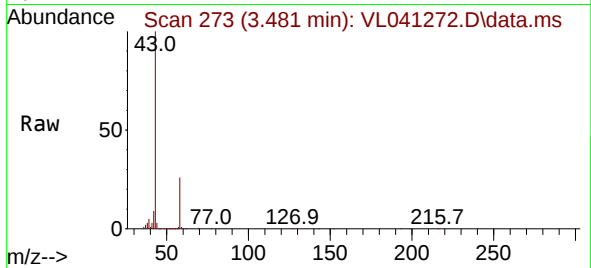
Tgt Ion: 45 Resp: 85406
Ion Ratio Lower Upper
45 100
46 40.3 14.8 59.0





#15
Acetone
Concen: 13.210 ppbv
RT: 3.481 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

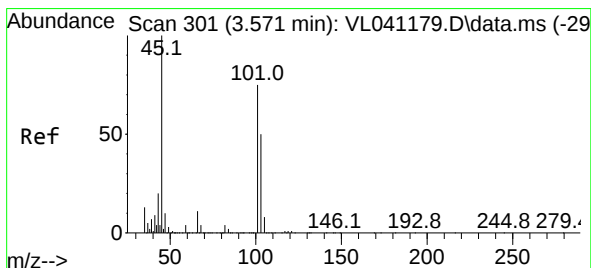
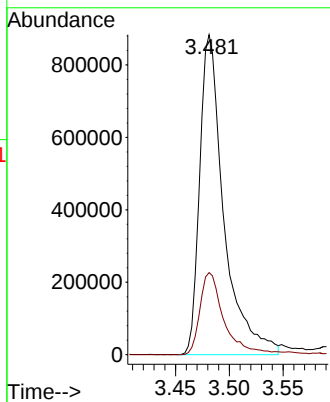
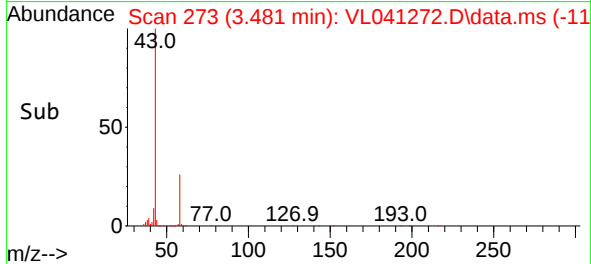
Instrument :
MSVOA_L
ClientSampleId :
OA1



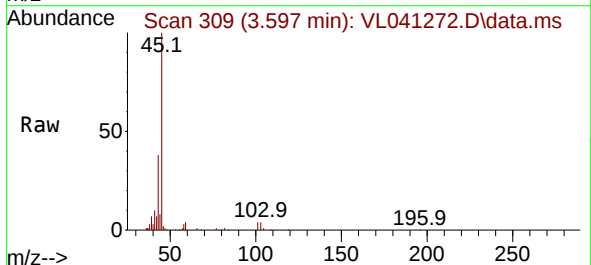
Tgt Ion: 43 Resp: 1379378
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.0

Manual Integrations
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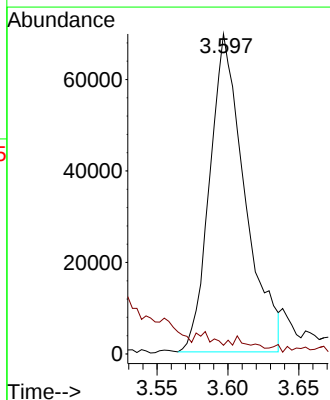
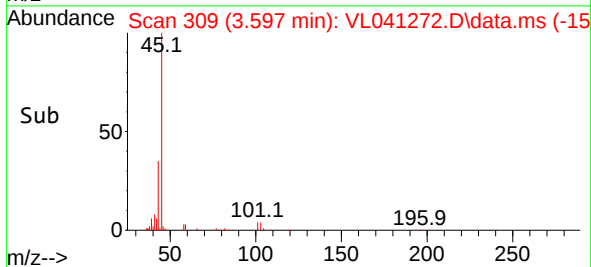
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

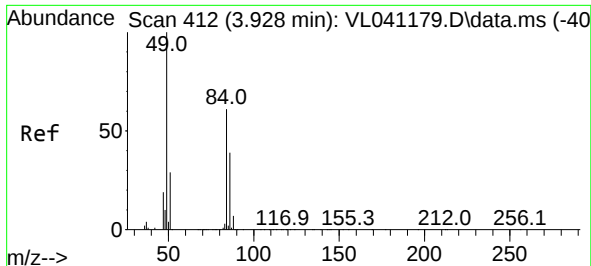


#19
Isopropyl Alcohol
Concen: 1.749 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.009 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37



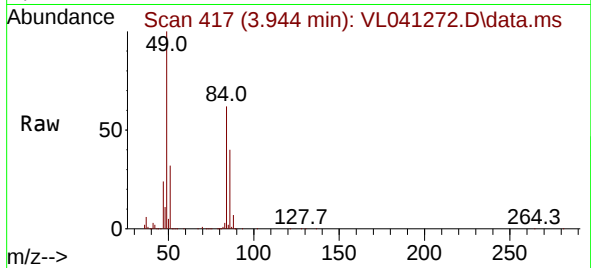
Tgt Ion: 45 Resp: 119871
Ion Ratio Lower Upper
45 100
58 0.0 26.8 40.2#





#20
Methylene Chloride
Concen: 61.808 ppbv
RT: 3.944 min Scan# 412
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

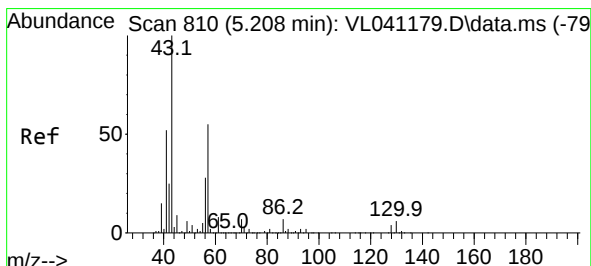
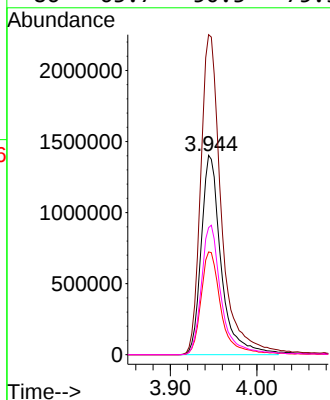
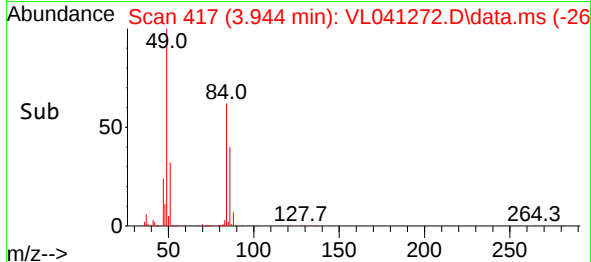
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 224433
Ion Ratio Lower Upper
84 100
49 160.5 130.4 195.6
51 51.5 38.0 57.0
86 63.7 50.3 75.5

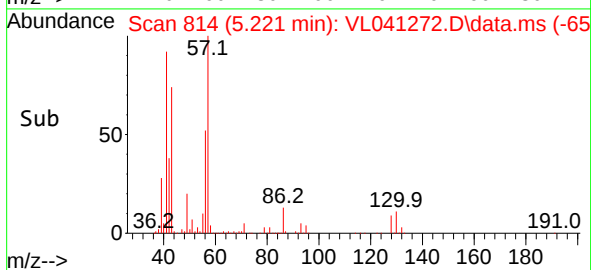
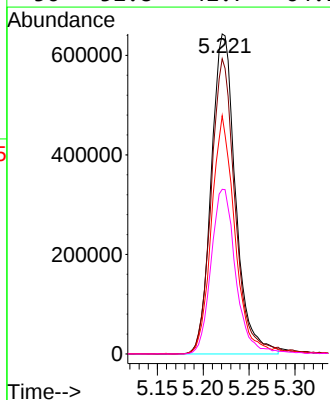
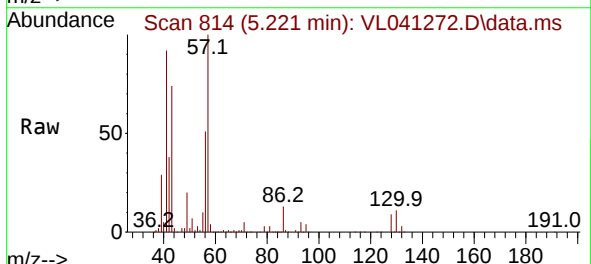
Manual Integrations
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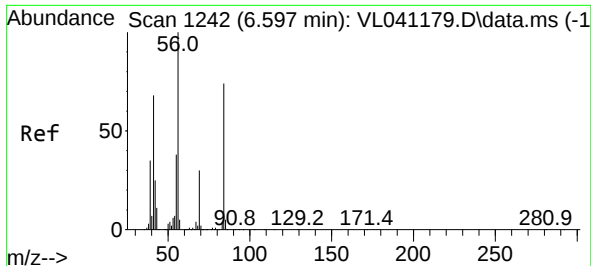
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#26
Hexane
Concen: 12.723 ppbv
RT: 5.221 min Scan# 814
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

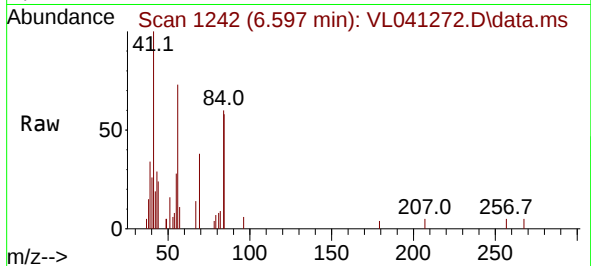
Tgt Ion: 57 Resp: 1183341
Ion Ratio Lower Upper
57 100
41 92.5 75.8 113.8
43 72.9 187.0 280.4#
56 52.8 42.7 64.1





#30
Cyclohexane
Concen: 0.110 ppbv m
RT: 6.597 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

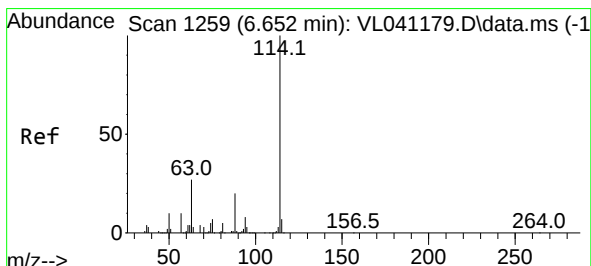
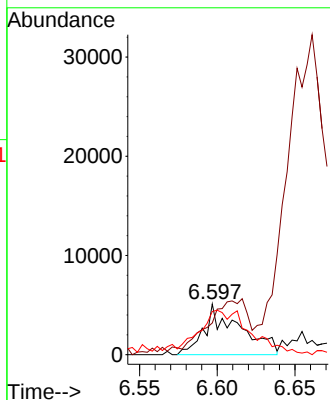
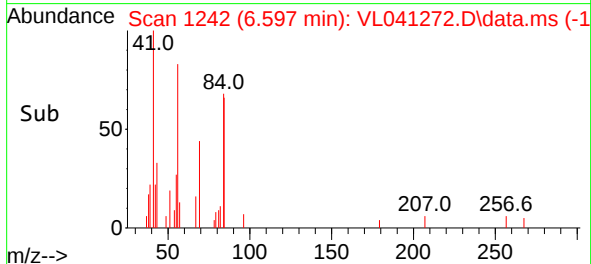
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 8134
Ion Ratio Lower Upper
84 100
56 0.0 116.8 175.2
41 0.0 73.8 110.8

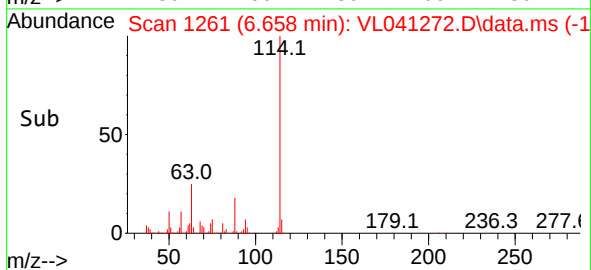
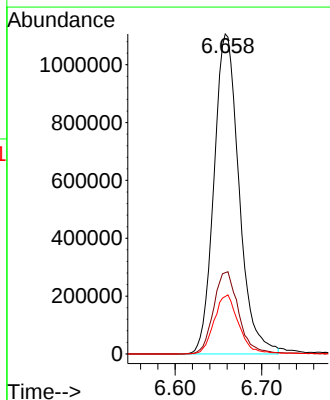
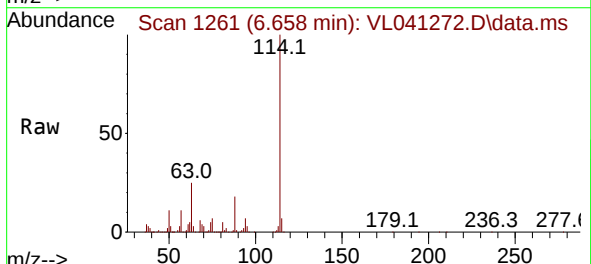
Manual Integrations
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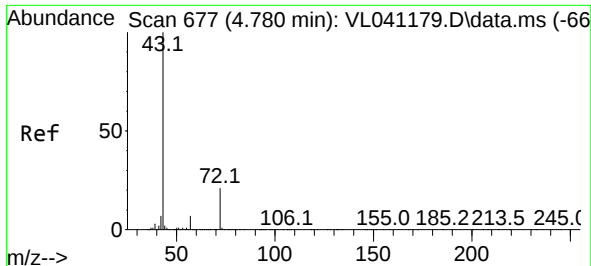
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

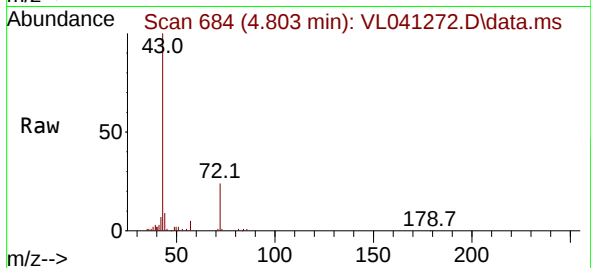
Tgt Ion:114 Resp: 2227397
Ion Ratio Lower Upper
114 100
63 26.0 21.8 32.6
88 18.3 15.2 22.8





#34
2-Butanone
Concen: 0.758 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.009 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

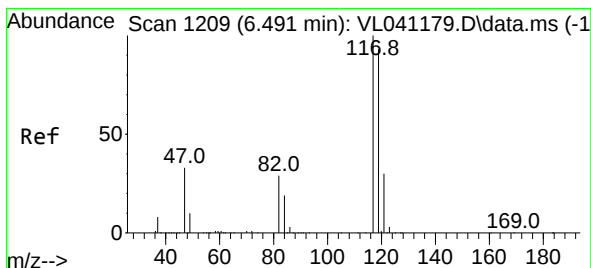
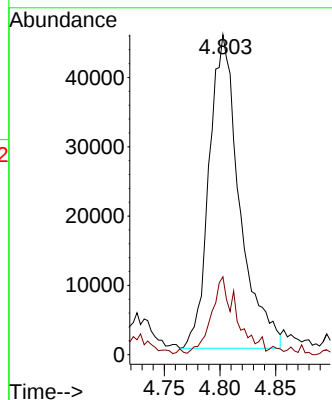
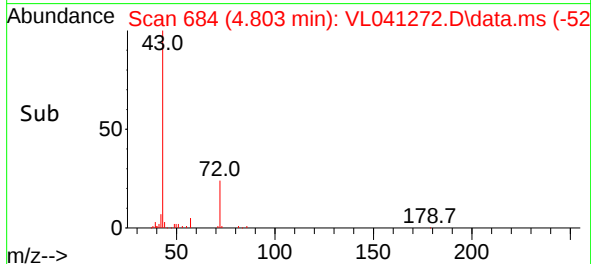
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 8595
Ion Ratio Lower Upper
43 100
72 22.5 17.3 25.9

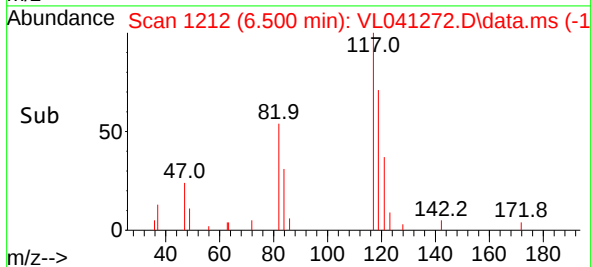
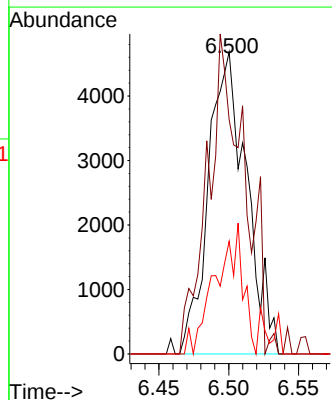
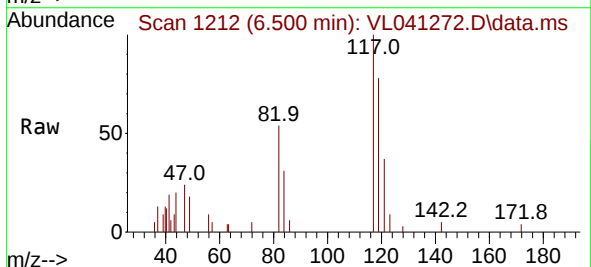
Manual Integrations
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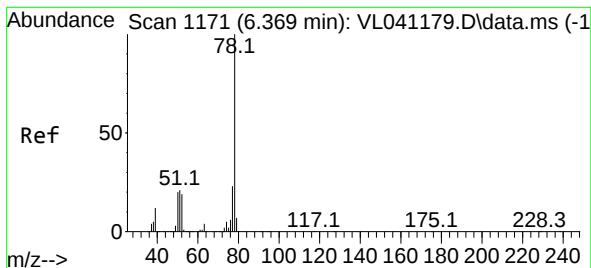
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 6.500 min Scan# 1212
Delta R.T. 0.003 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Tgt Ion:117 Resp: 8919
Ion Ratio Lower Upper
117 100
119 77.6 74.3 111.5
121 37.3 23.8 35.8#





#36

Benzene

Concen: 0.162 ppbv

RT: 6.375 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VL041272.D

Acq: 21 May 2024 19:37

Instrument :

MSVOA_L

ClientSampleId :

OA1

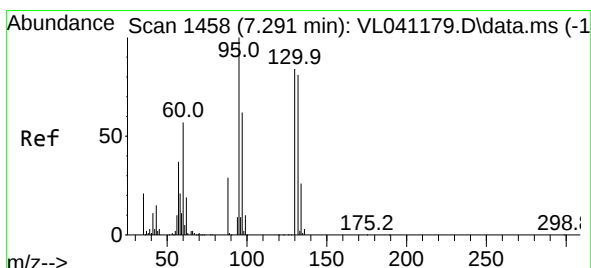
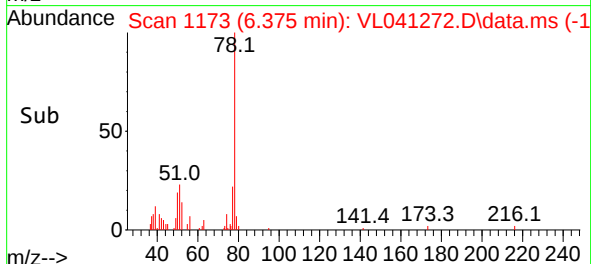
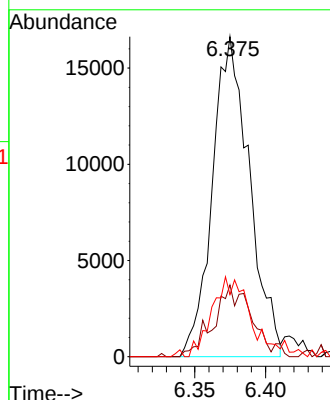
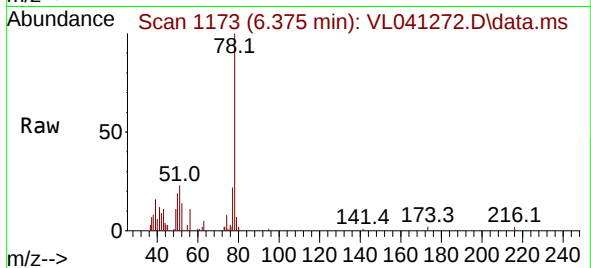
Tgt Ion: 78 Resp: 3023

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.3	27.5
50	17.2	15.9	23.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#38

Trichloroethene

Concen: 0.030 ppbv m

RT: 7.311 min Scan# 1464

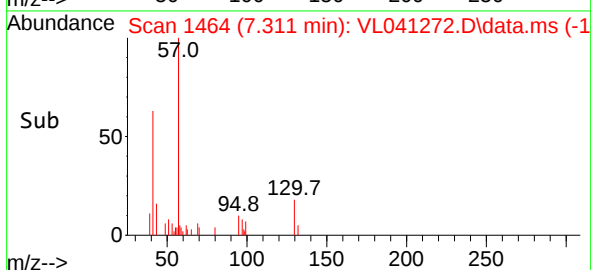
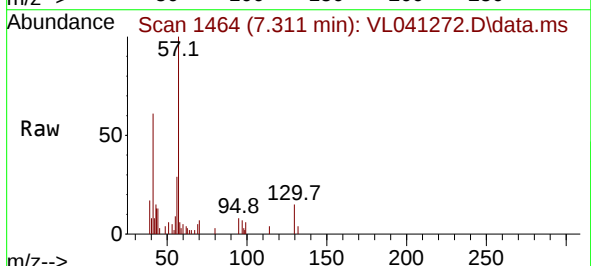
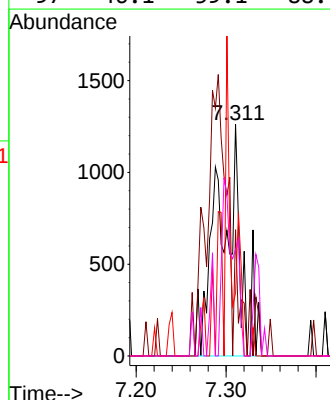
Delta R.T. 0.019 min

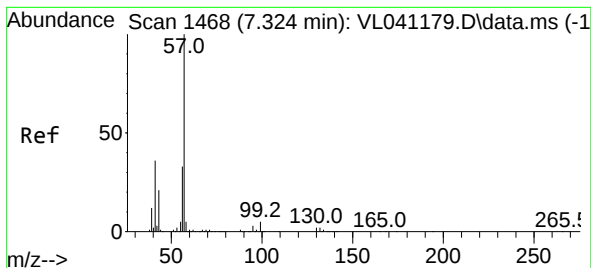
Lab File: VL041272.D

Acq: 21 May 2024 19:37

Tgt Ion:130 Resp: 2117

Ion	Ratio	Lower	Upper
130	100		
95	54.6	95.0	142.6#
132	27.2	77.0	115.4#
97	46.1	59.1	88.7#





#44

2,2,4-Trimethylpentane

Concen: 0.157 ppbv

RT: 7.333 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VL041272.D

Acq: 21 May 2024 19:37

Instrument :

MSVOA_L

ClientSampleId :

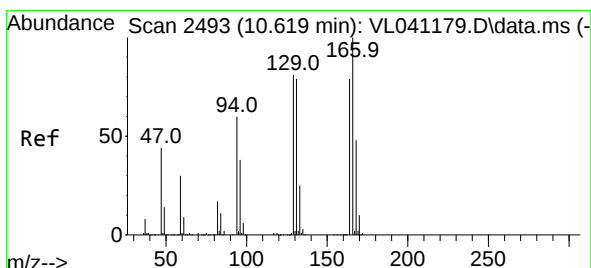
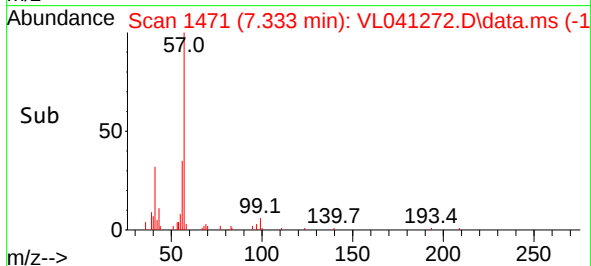
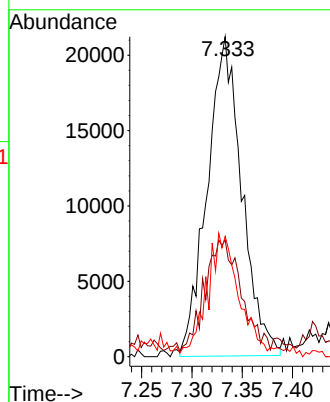
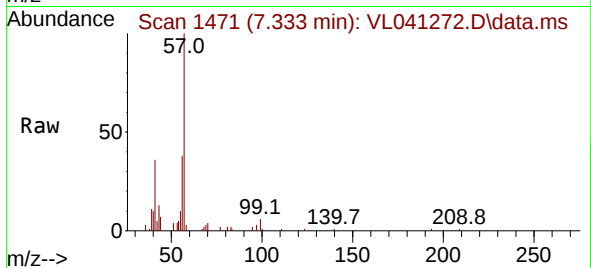
OA1

Tgt Ion: 57	Resp: 5066
Ion Ratio	Lower Upper
57 100	
41 44.5	29.5 44.3
56 38.7	25.3 37.9

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Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#52

Tetrachloroethene

Concen: 0.207 ppbv

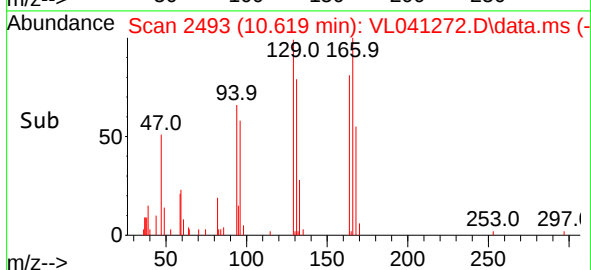
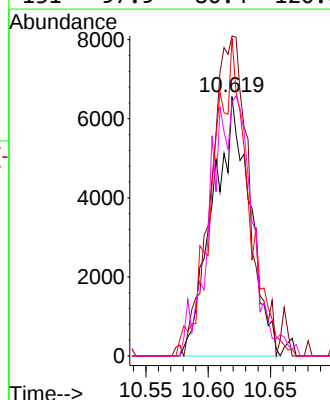
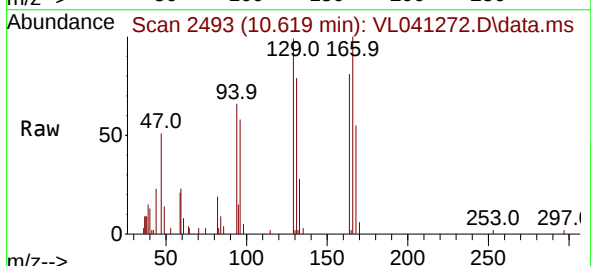
RT: 10.619 min Scan# 2493

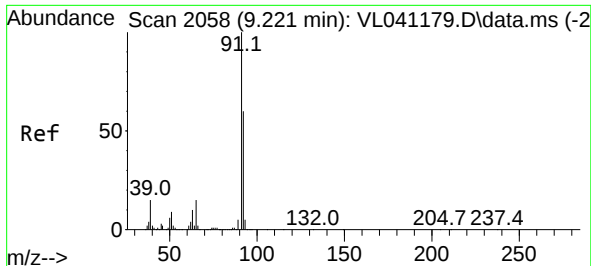
Delta R.T. 0.003 min

Lab File: VL041272.D

Acq: 21 May 2024 19:37

Tgt Ion: 164	Resp: 13611
Ion Ratio	Lower Upper
164 100	
166 119.3	101.1 151.7
129 116.5	81.7 122.5
131 97.9	80.4 120.6





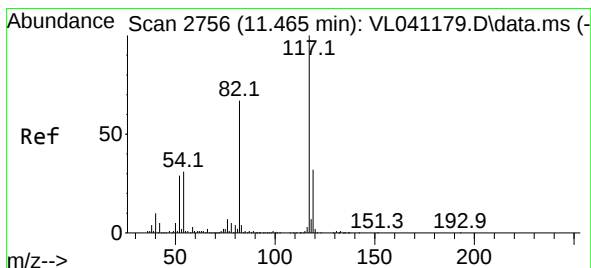
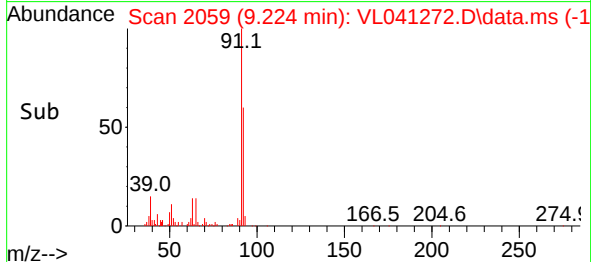
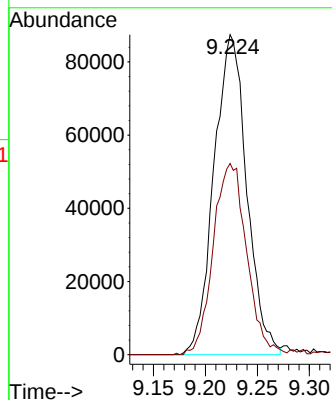
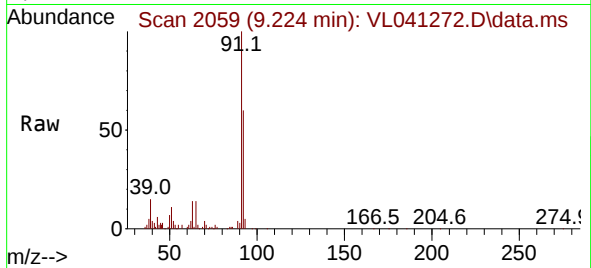
#53
Toluene
Concen: 0.885 ppbv
RT: 9.224 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 19184
Ion Ratio Lower Upper
91 100
92 61.4 48.2 72.4

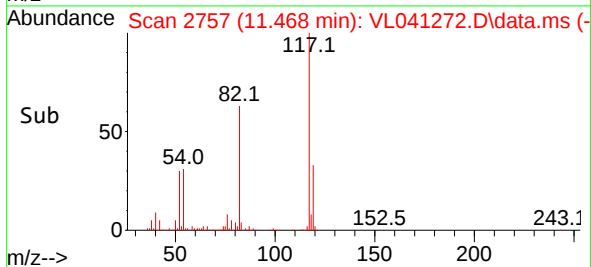
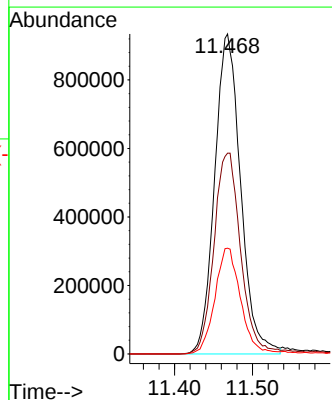
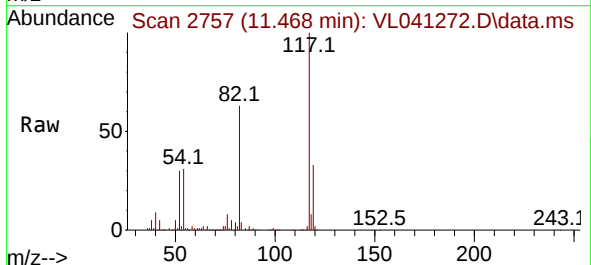
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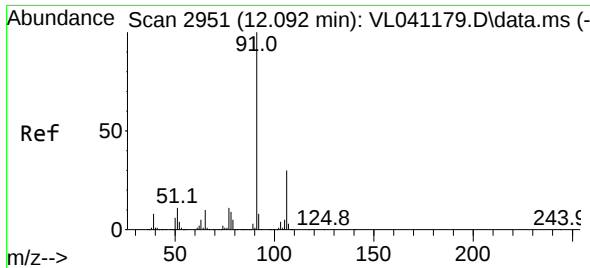
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Tgt Ion:117 Resp: 2165747
Ion Ratio Lower Upper
117 100
82 66.1 53.6 80.4
119 33.6 27.2 40.8





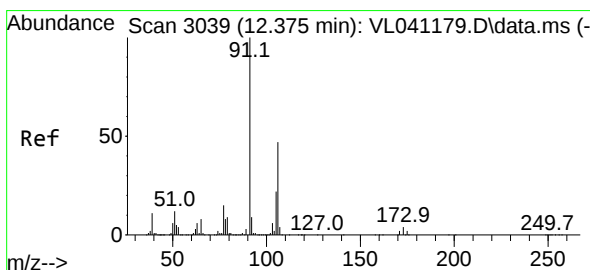
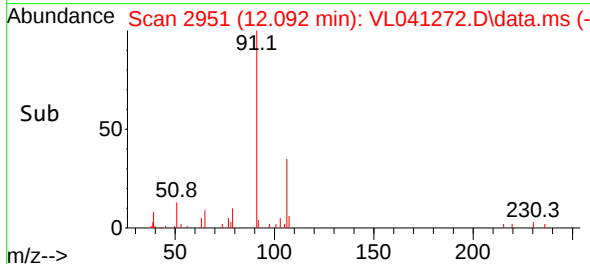
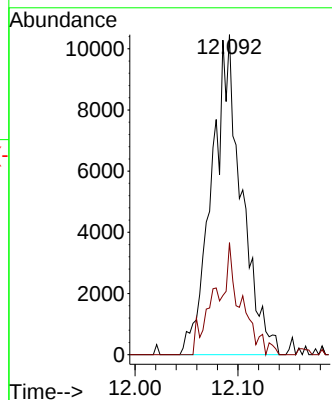
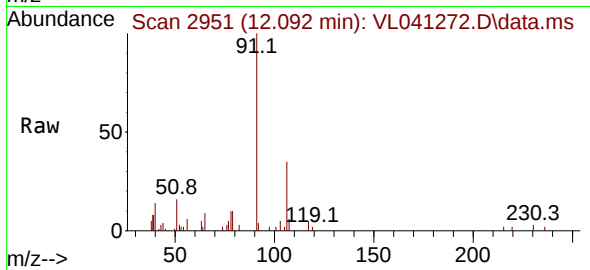
#58
Ethyl Benzene
Concen: 0.071 ppbv m
RT: 12.092 min Scan# 2951
Delta R.T. 0.006 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 21145
Ion Ratio Lower Upper
91 100
106 35.0 24.3 36.5

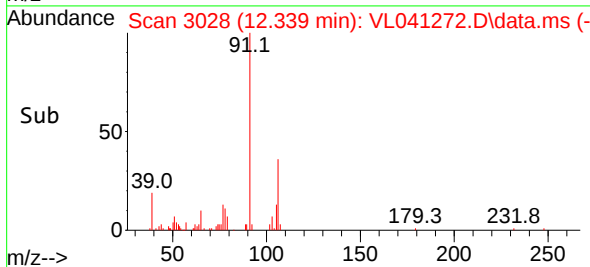
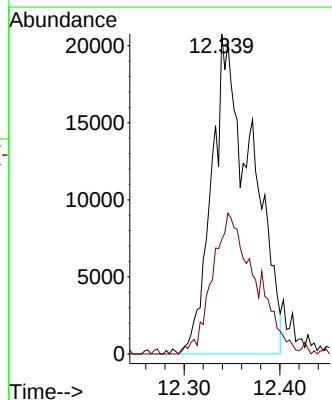
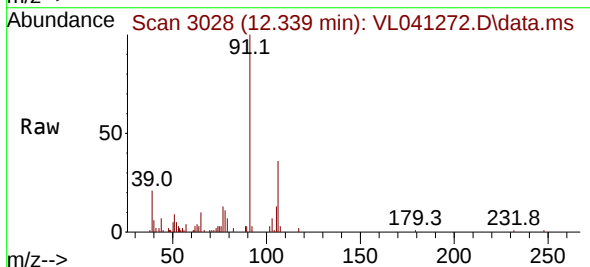
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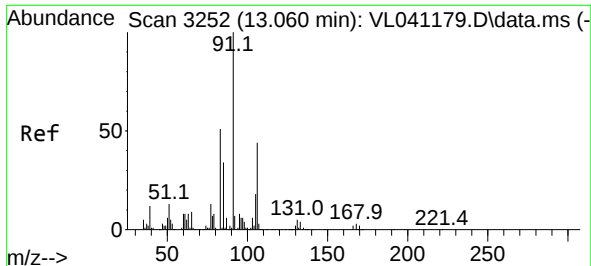
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#59
m/p-Xylene
Concen: 0.243 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.026 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Tgt Ion: 91 Resp: 60773
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#





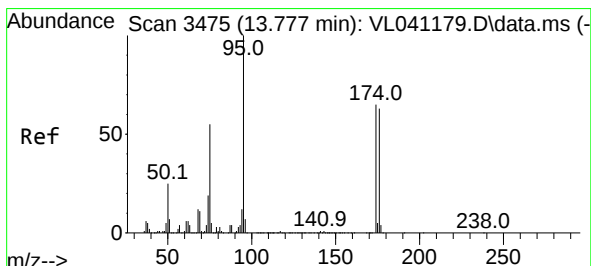
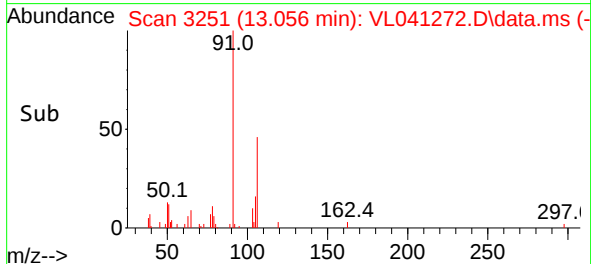
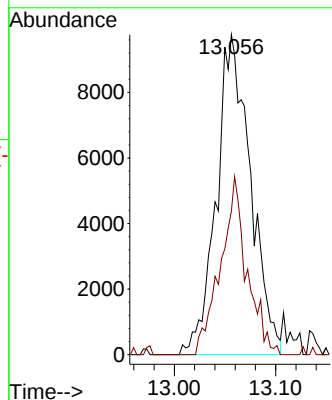
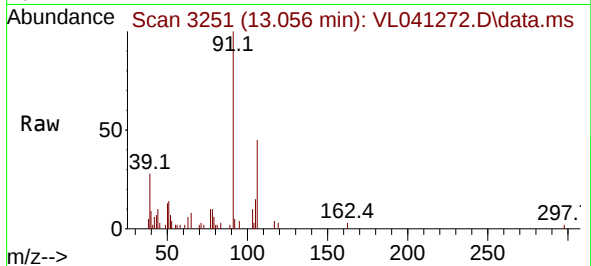
#60
o-Xylene
Concen: 0.098 ppbv m
RT: 13.056 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 2284
Ion Ratio Lower Upper
91 100
106 43.1 22.4 67.3

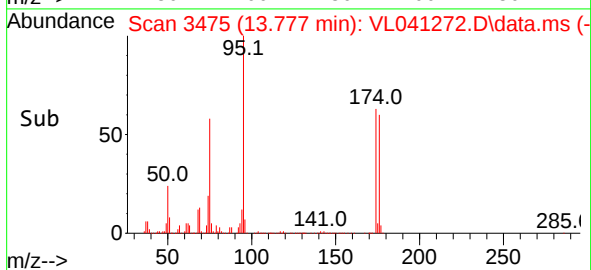
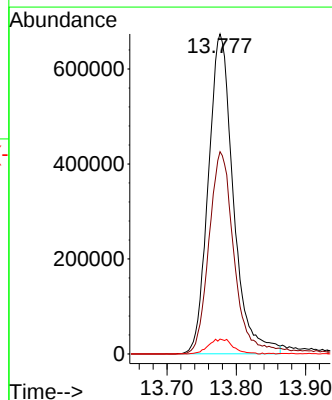
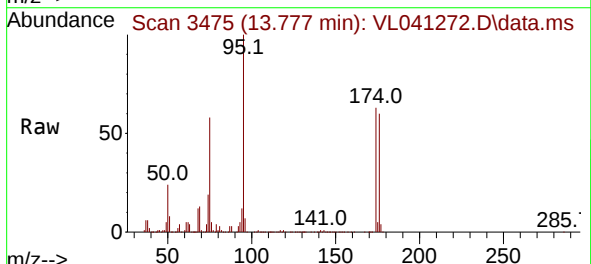
Manual Integrations
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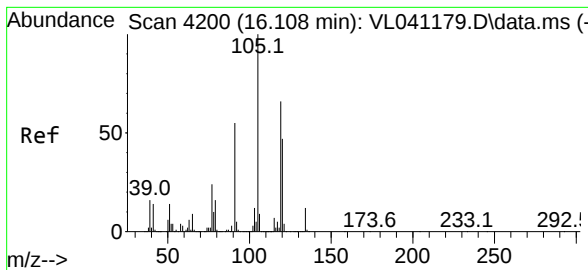
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.314 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041272.D
Acq: 21 May 2024 19:37

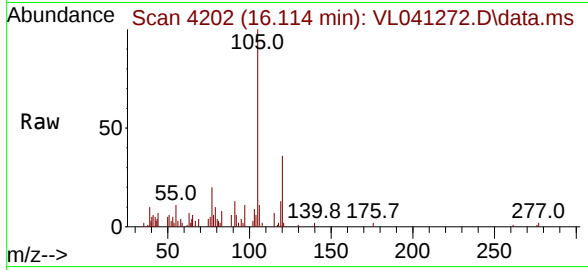
Tgt Ion: 95 Resp: 1686330
Ion Ratio Lower Upper
95 100
174 65.6 53.6 80.4
175 4.7 4.2 6.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.120 ppbv m
 RT: 16.114 min Scan# 41
 Delta R.T. 0.009 min
 Lab File: VL041272.D
 Acq: 21 May 2024 19:37

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion:	105	Resp:	3148
Ion	Ratio	Lower	Upper
105	100		
120	36.3	37.8	56.6
91	13.1	44.3	66.5
77	19.5	19.0	28.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024

