

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041431.D
 Acq On : 29 Jul 2024 16:18
 Operator : SY/MD
 Sample : P3342-10 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-04

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 02:51:05 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1126191	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	3050774	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2833411	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2210530	10.138	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	38976	0.201	ppbv	100
10) Heptane	7.577	43	171134	1.237	ppbv	97
11) Trichlorofluoromethane	3.558	101	40976	0.238	ppbv	97
13) Ethanol	3.234	45	608208	110.491	ppbv	92
15) Acetone	3.462	43	1024510m	8.007	ppbv	
19) Isopropyl Alcohol	3.578	45	145888m	1.950	ppbv	
20) Methylene Chloride	3.931	84	1346398	28.217	ppbv	98
26) Hexane	5.211	57	1406848	13.341	ppbv #	38
30) Cyclohexane	6.603	84	41304	0.481	ppbv	90
32) 1,1,1-Trichloroethane	6.002	97	167055	0.998	ppbv	97
34) 2-Butanone	4.787	43	66489	0.451	ppbv #	90
36) Benzene	6.369	78	318731	1.430	ppbv	97
44) 2,2,4-Trimethylpentane	7.330	57	278842m	0.749	ppbv	
52) Tetrachloroethene	10.616	164	25648m	0.298	ppbv	
53) Toluene	9.221	91	1936943	7.801	ppbv	99
58) Ethyl Benzene	12.089	91	364728	1.117	ppbv	96
59) m/p-Xylene	12.343	91	1113775	3.951	ppbv	96
60) o-Xylene	13.060	91	351084	1.316	ppbv	100
61) Styrene	12.902	104	31316m	0.260	ppbv	
64) n-propylbenzene	14.915	120	14876m	0.140	ppbv	
72) 4-Ethyltoluene	15.195	105	87119	0.277	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.349	105	57781m	0.214	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	220168	0.700	ppbv #	71

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

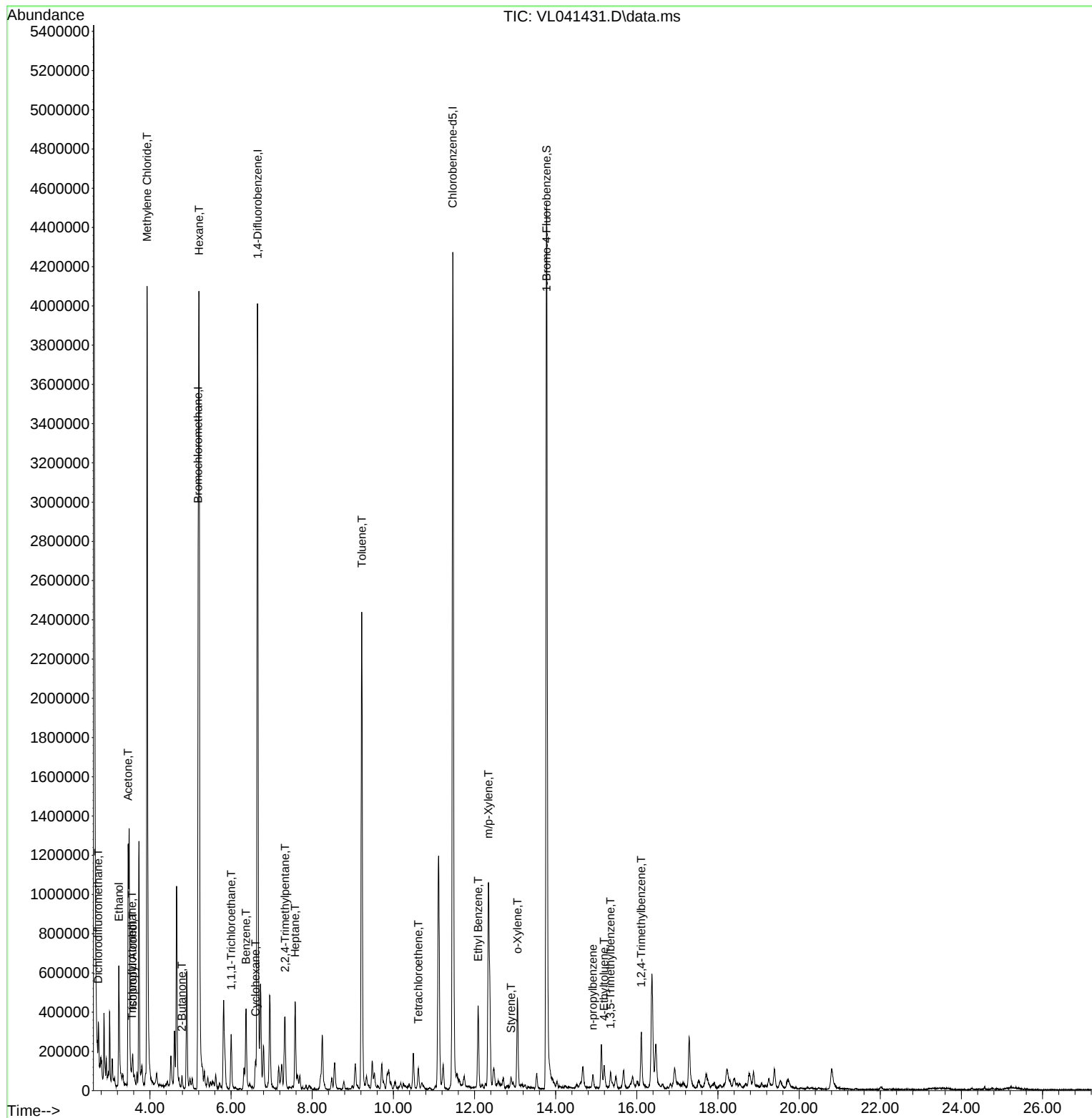
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041431.D
Acq On : 29 Jul 2024 16:18
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Sample : P3342-10 4X
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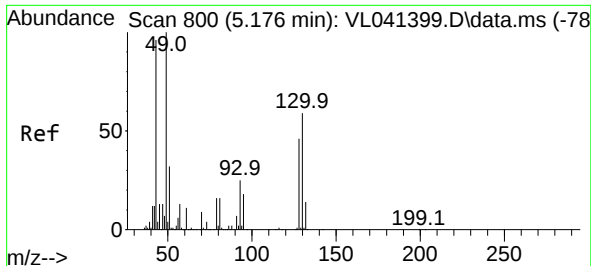
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04

Quant Time: Jul 30 02:51:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

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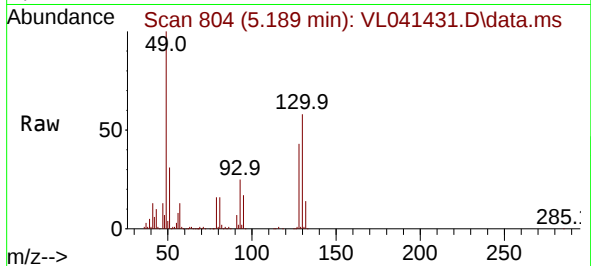
Reviewed By : Mahesh Dadoda 07/30/2024
Supervised By : Semsettin Yesilyurt 07/30/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

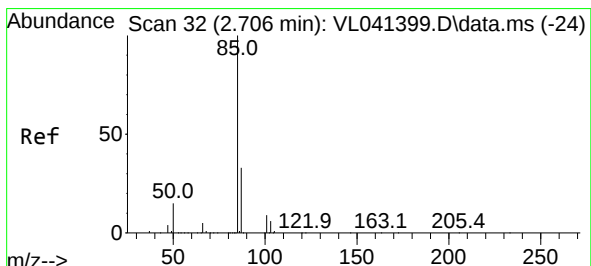
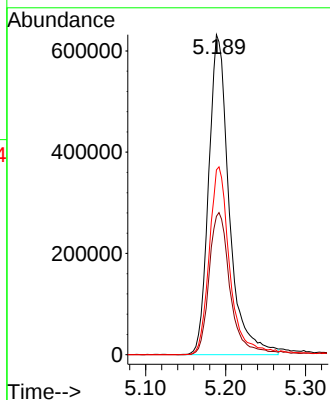
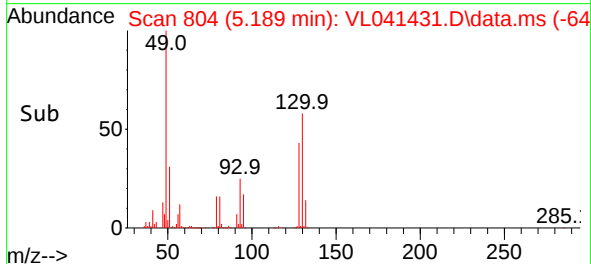
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04



Tgt Ion: 49 Resp: 112619
Ion Ratio Lower Upper
49 100
128 46.9 23.8 71.4
130 60.6 30.8 92.4

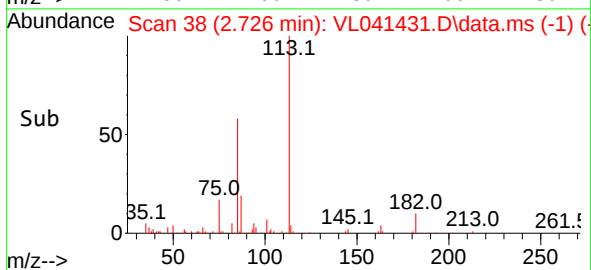
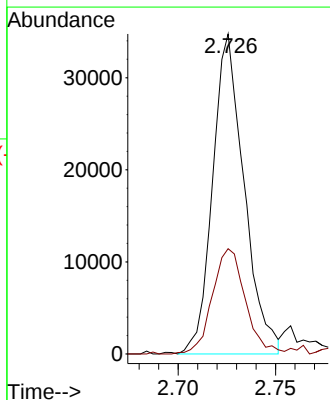
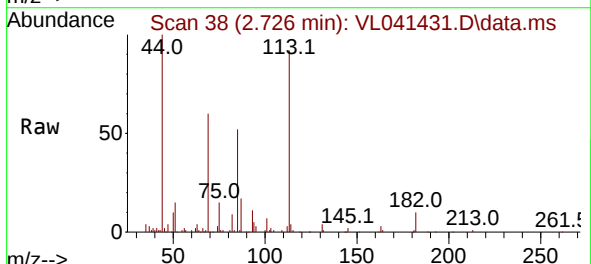
Manual Integrations
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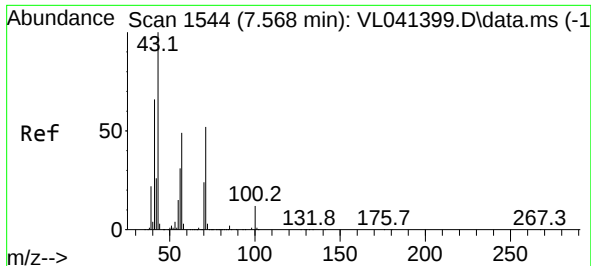
Reviewed By :Mahesh Dadoda 07/30/2024
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#2
Dichlorodifluoromethane
Concen: 0.201 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.016 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

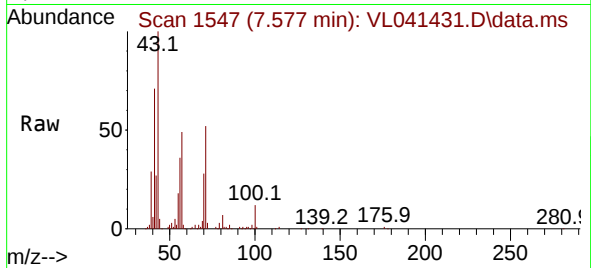
Tgt Ion: 85 Resp: 38976
Ion Ratio Lower Upper
85 100
87 32.5 26.0 39.0





#10
Heptane
Concen: 1.237 ppbv
RT: 7.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

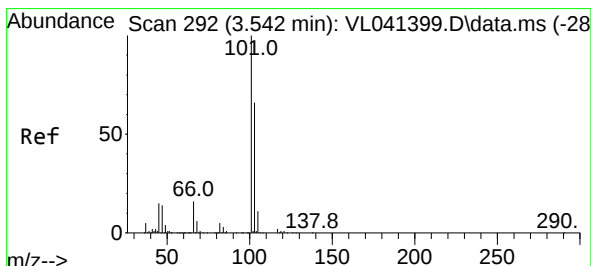
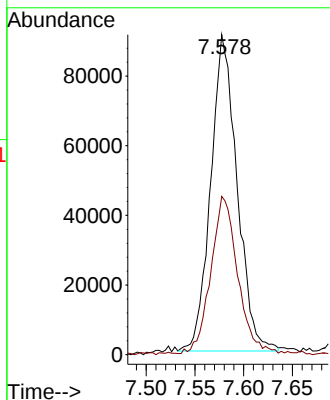
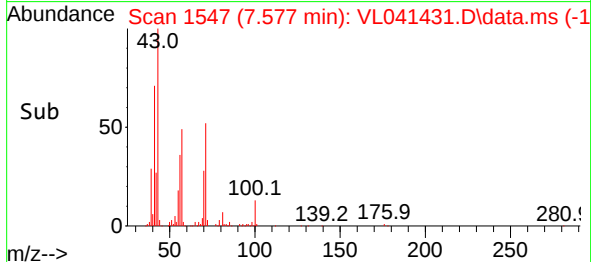
Instrument :
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ClientSampleId :
ACVI-SS-04



Tgt Ion: 43 Resp: 171134
Ion Ratio Lower Upper
43 100
57 52.6 40.5 60.7

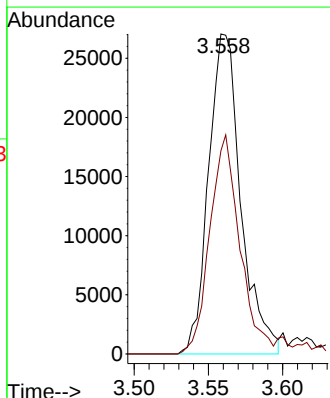
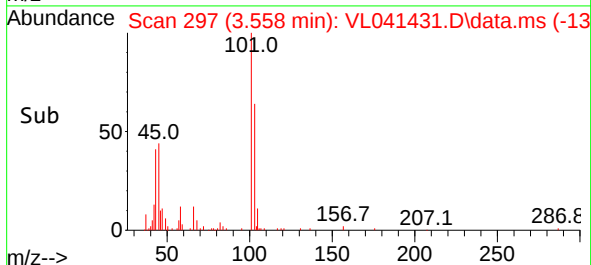
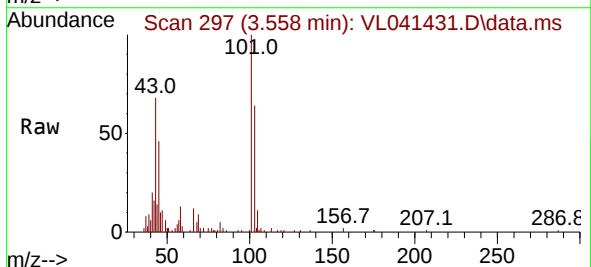
Manual Integrations
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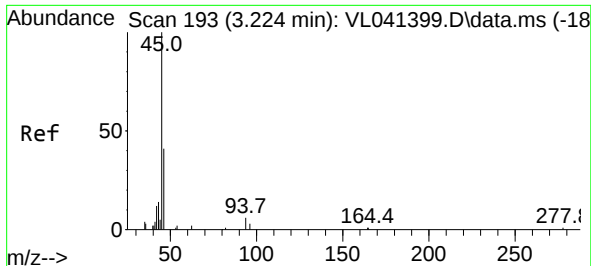
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#11
Trichlorofluoromethane
Concen: 0.238 ppbv
RT: 3.558 min Scan# 297
Delta R.T. 0.013 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

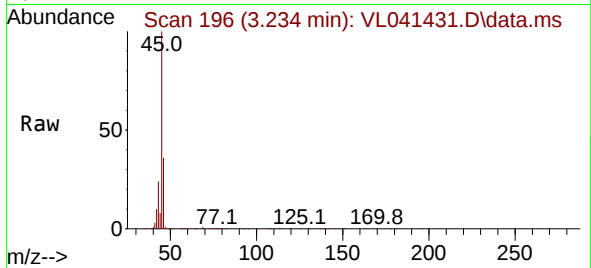
Tgt Ion:101 Resp: 40976
Ion Ratio Lower Upper
101 100
103 63.5 52.6 79.0





#13
Ethanol
Concen: 110.491 ppbv
RT: 3.234 min Scan# 193
Delta R.T. 0.006 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

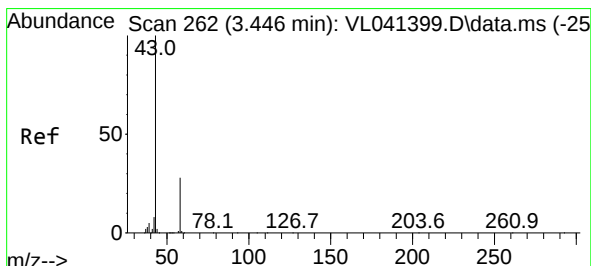
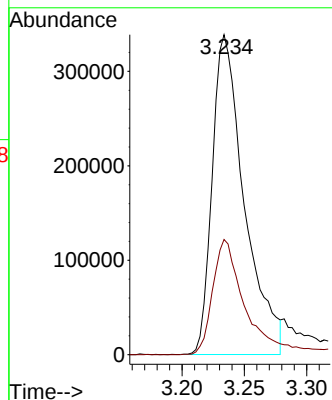
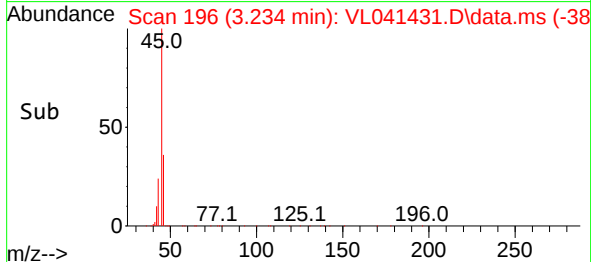
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04



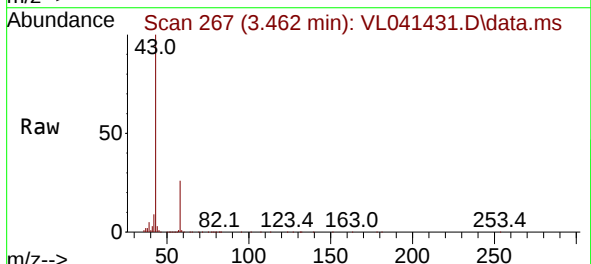
Tgt Ion: 45 Resp: 608208
Ion Ratio Lower Upper
45 100
46 38.1 13.4 53.4

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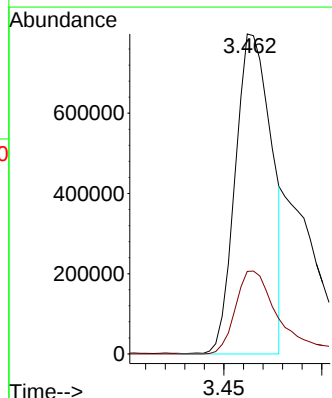
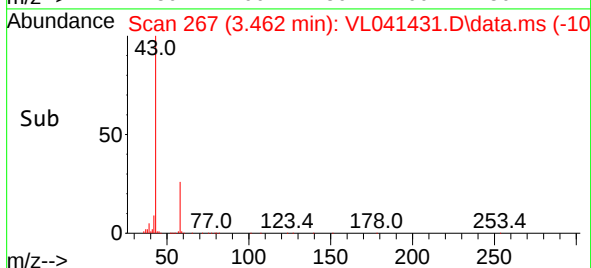
Reviewed By :Mahesh Dadoda 07/30/2024
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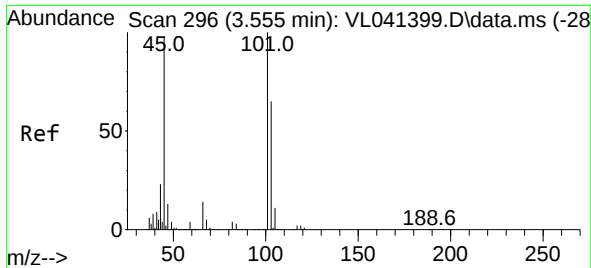


#15
Acetone
Concen: 8.007 ppbv m
RT: 3.462 min Scan# 267
Delta R.T. 0.010 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18



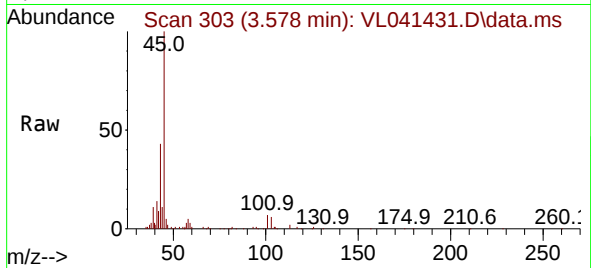
Tgt Ion: 43 Resp: 1024510
Ion Ratio Lower Upper
43 100
58 32.6 21.4 32.2#





#19
Isopropyl Alcohol
Concen: 1.950 ppbv m
RT: 3.578 min Scan# 303
Delta R.T. 0.016 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

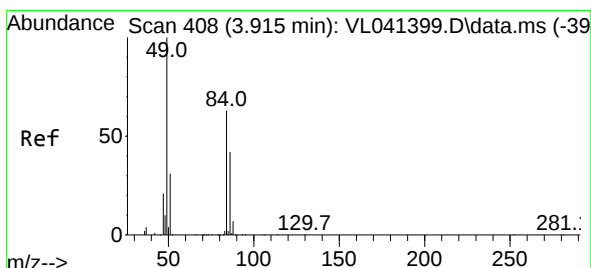
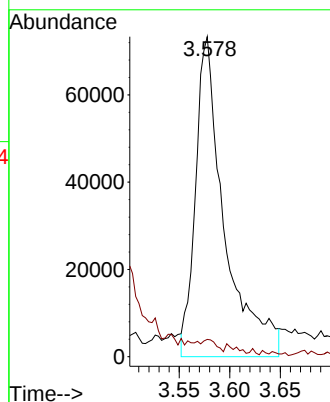
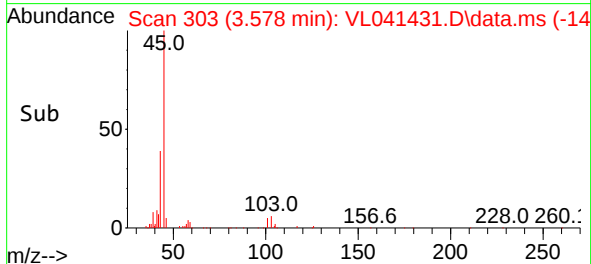
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04



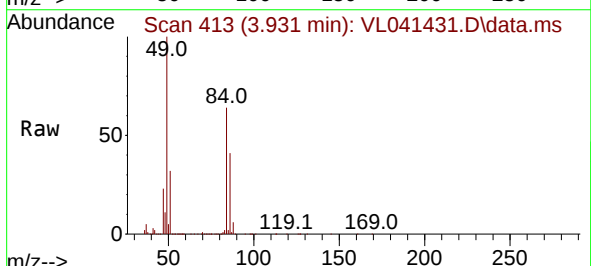
Tgt Ion: 45 Resp: 14588
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9

Manual Integrations
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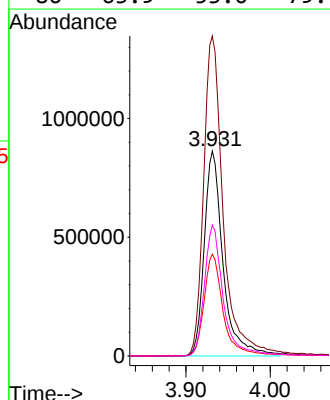
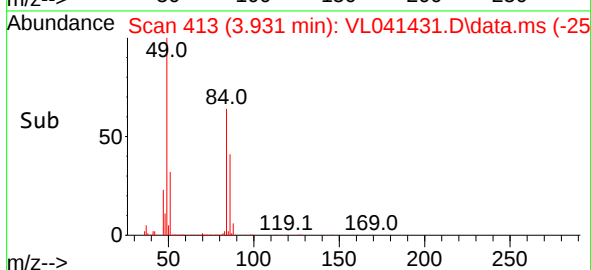
Reviewed By :Mahesh Dadoda 07/30/2024
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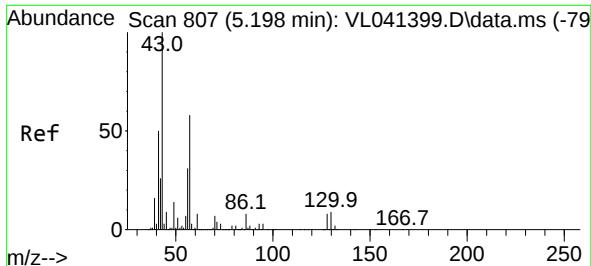


#20
Methylene Chloride
Concen: 28.217 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.013 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18



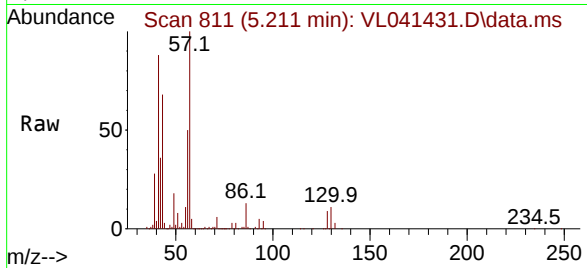
Tgt Ion: 84 Resp: 1346398
Ion Ratio Lower Upper
84 100
49 156.1 126.6 190.0
51 49.5 38.6 58.0
86 63.9 53.0 79.4





#26
Hexane
Concen: 13.341 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

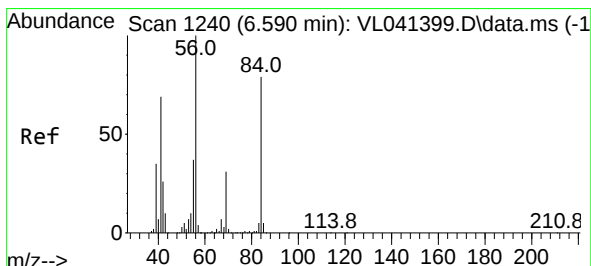
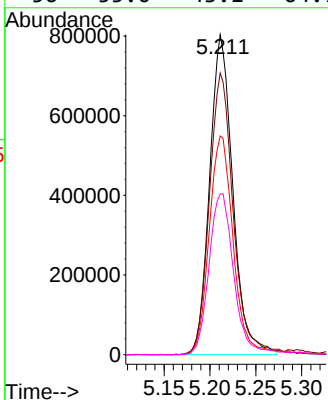
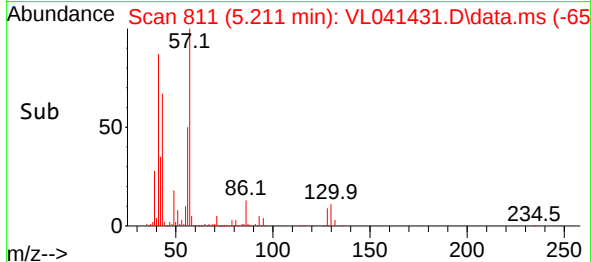
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04



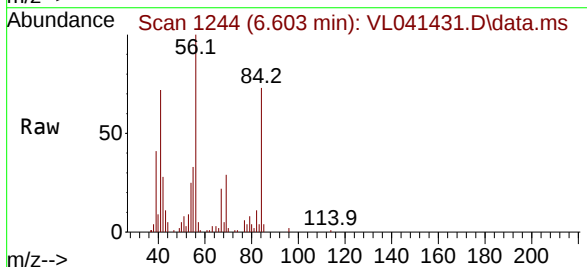
Tgt Ion: 57 Resp: 140684
Ion Ratio Lower Upper
57 100
41 92.9 74.0 111.0
43 72.0 193.6 290.4
56 55.0 43.1 64.7

Manual Integrations
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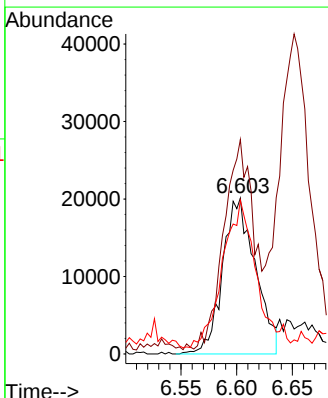
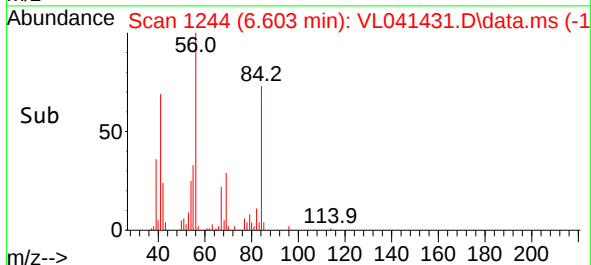
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

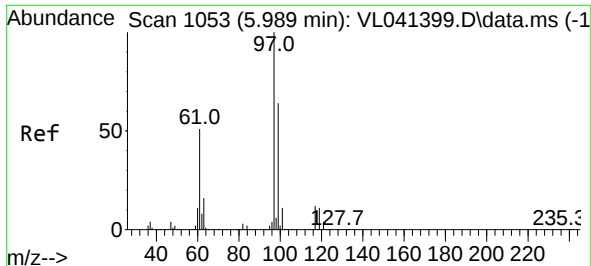


#30
Cyclohexane
Concen: 0.481 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. 0.010 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18



Tgt Ion: 84 Resp: 41304
Ion Ratio Lower Upper
84 100
56 126.3 111.2 166.8
41 96.7 70.3 105.5





#32

1,1,1-Trichloroethane

Concen: 0.998 ppbv

RT: 6.002 min Scan# 1053

Delta R.T. 0.010 min

Lab File: VL041431.D

Acq: 29 Jul 2024 16:18

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-04

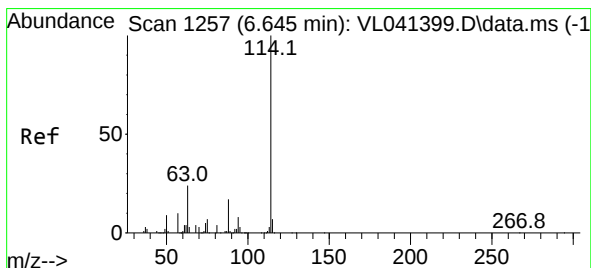
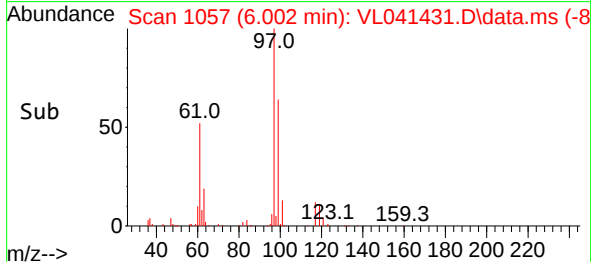
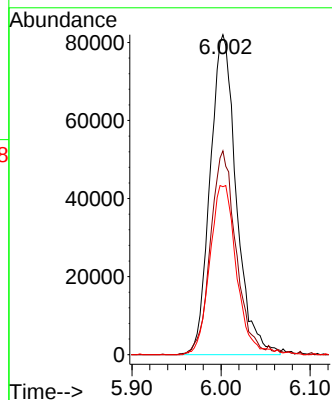
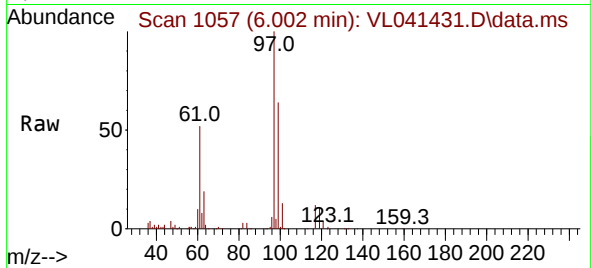
Tgt Ion: 97 Resp: 16705

Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.0	78.0
61	54.5	41.8	62.8

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1259

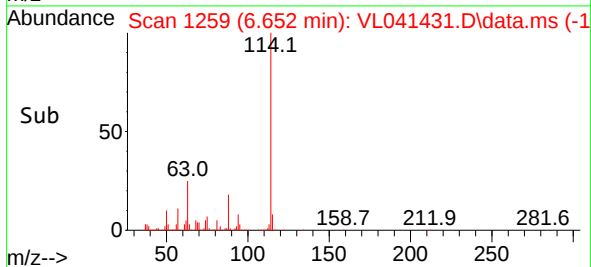
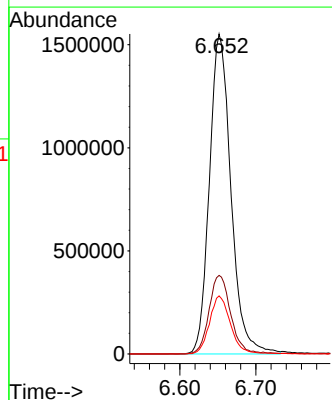
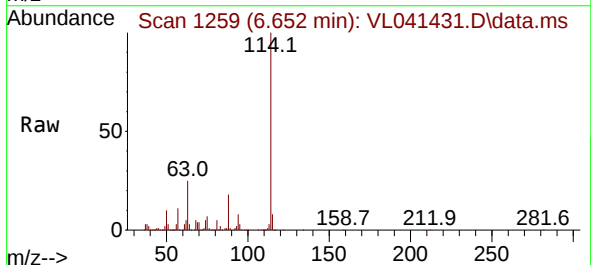
Delta R.T. 0.006 min

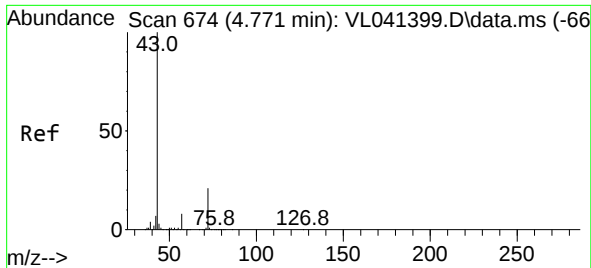
Lab File: VL041431.D

Acq: 29 Jul 2024 16:18

Tgt Ion:114 Resp: 3050774

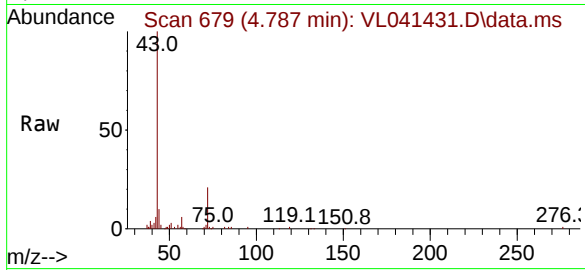
Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.3	30.5
88	17.7	14.3	21.5





#34
2-Butanone
Concen: 0.451 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

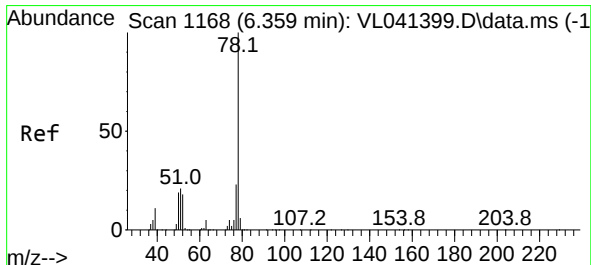
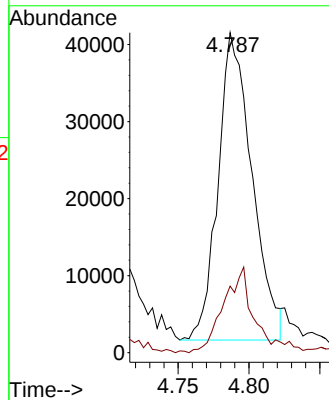
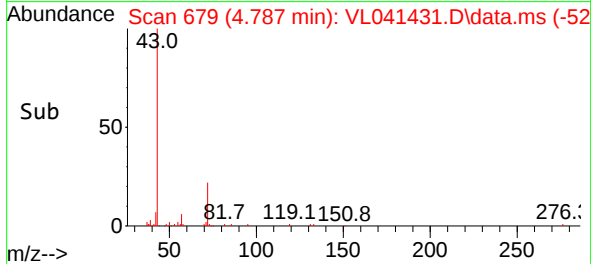
Instrument :
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ACVI-SS-04



Tgt Ion: 43 Resp: 66489
Ion Ratio Lower Upper
43 100
72 26.5 17.3 25.9

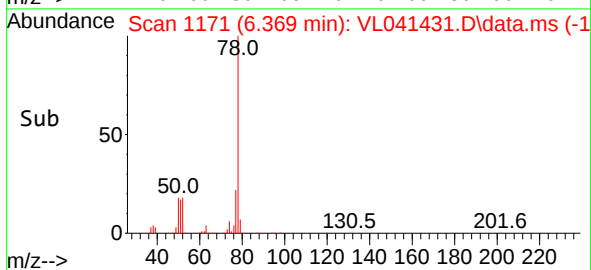
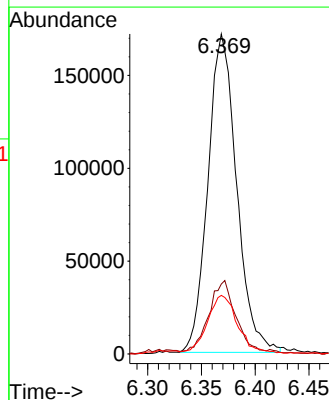
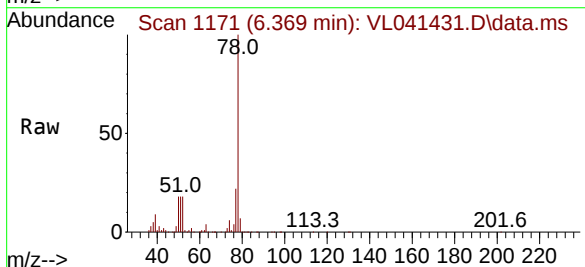
Manual Integrations
APPROVED

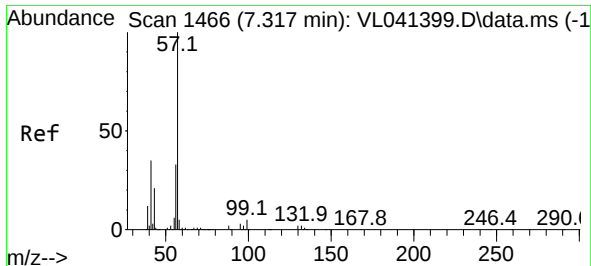
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#36
Benzene
Concen: 1.430 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.010 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

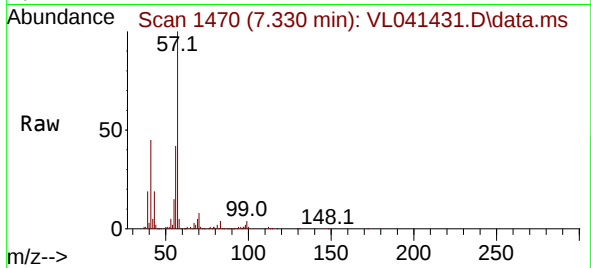
Tgt Ion: 78 Resp: 318731
Ion Ratio Lower Upper
78 100
77 21.5 18.1 27.1
50 17.9 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.749 ppbv m
RT: 7.330 min Scan# 1466
Delta R.T. 0.013 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

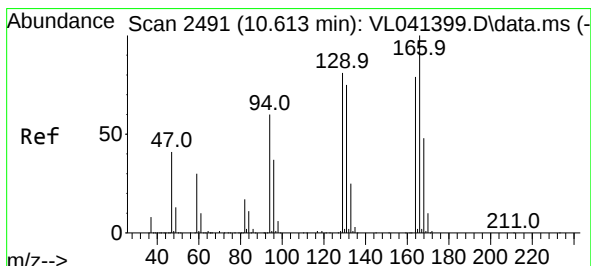
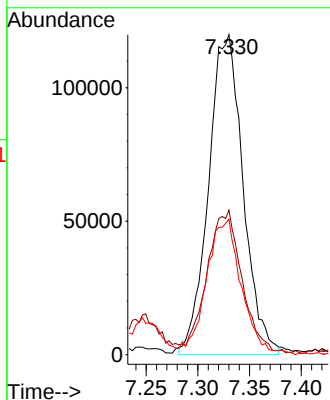
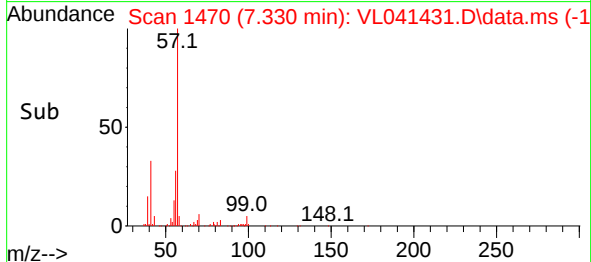
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04



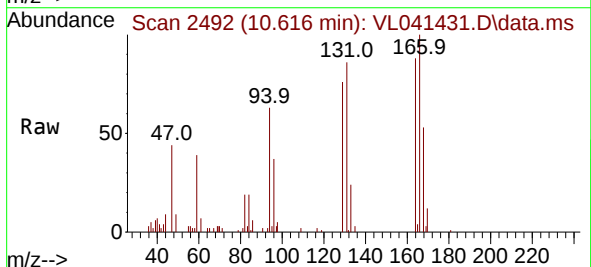
Tgt Ion: 57 Resp: 27884
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.6
56 0.0 25.2 37.8

Manual Integrations
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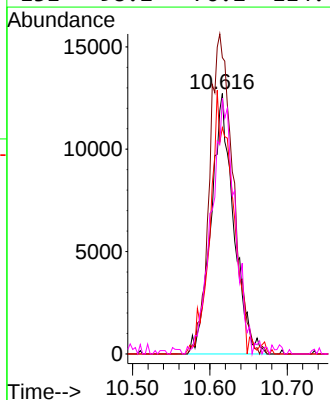
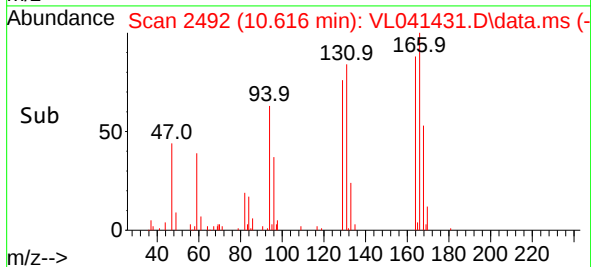
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

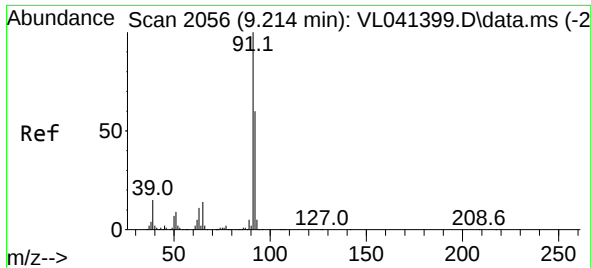


#52
Tetrachloroethene
Concen: 0.298 ppbv m
RT: 10.616 min Scan# 2492
Delta R.T. 0.006 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18



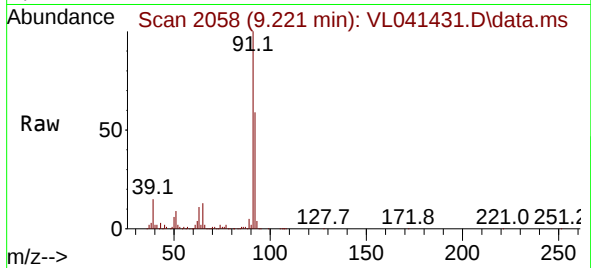
Tgt Ion:164 Resp: 25648
Ion Ratio Lower Upper
164 100
166 113.7 101.1 151.7
129 86.8 81.7 122.5
131 98.2 76.2 114.4





#53
Toluene
Concen: 7.801 ppbv
RT: 9.221 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

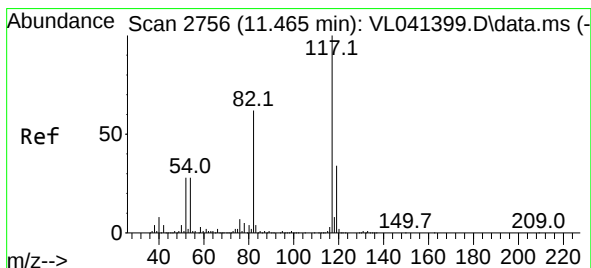
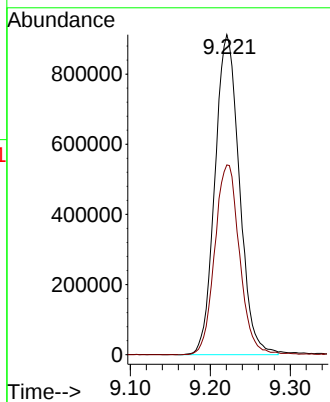
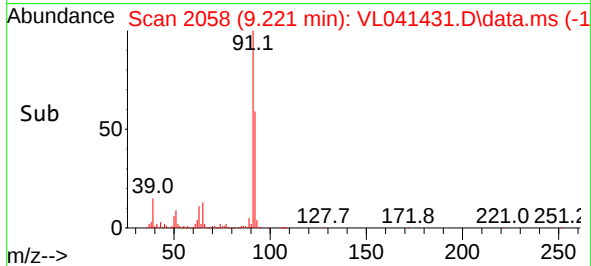
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04



Tgt Ion: 91 Resp: 193694
Ion Ratio Lower Upper
91 100
92 60.5 48.7 73.1

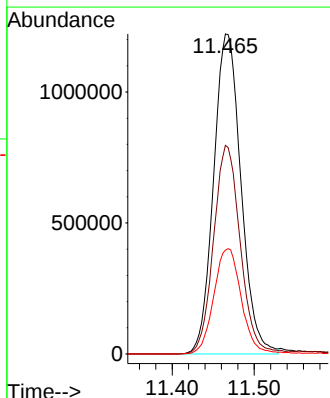
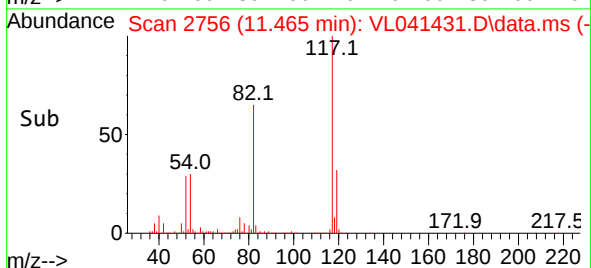
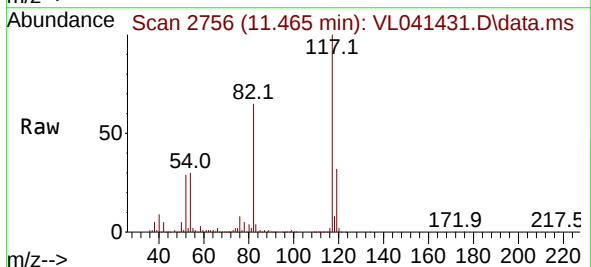
Manual Integrations
APPROVED

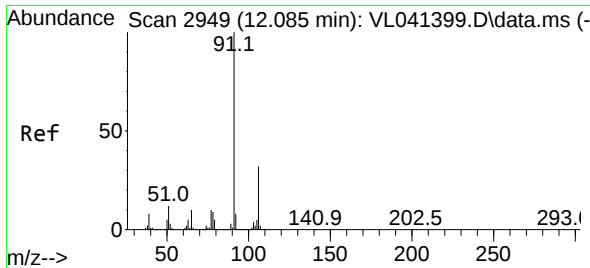
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. -0.000 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

Tgt Ion:117 Resp: 2833411
Ion Ratio Lower Upper
117 100
82 65.1 51.0 76.6
119 33.4 45.2 67.8#





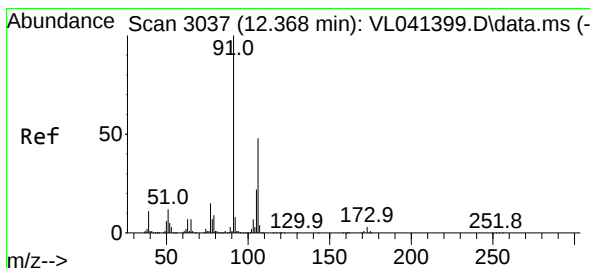
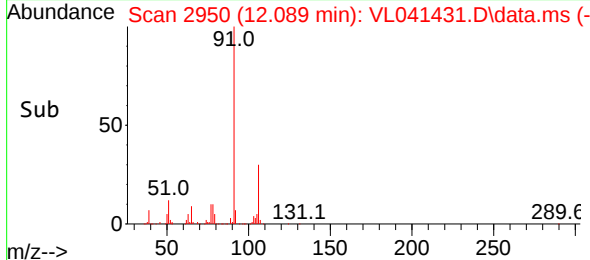
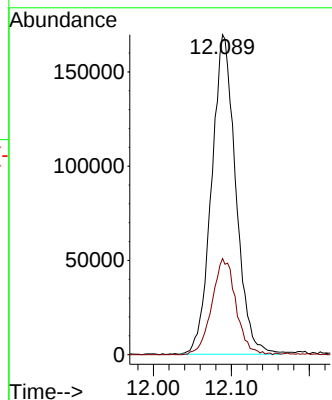
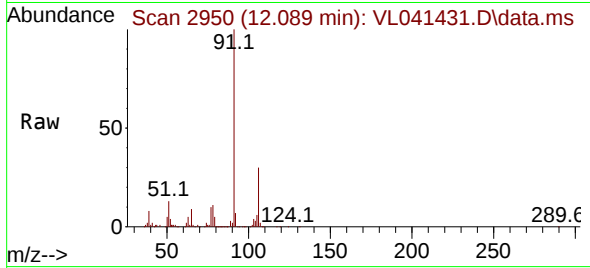
#58
Ethyl Benzene
Concen: 1.117 ppbv
RT: 12.089 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04

Tgt Ion: 91 Resp: 364728
Ion Ratio Lower Upper
91 100
106 30.1 25.8 38.8

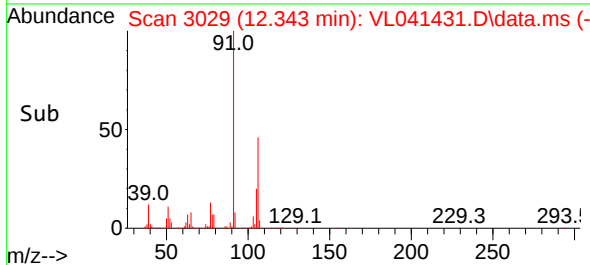
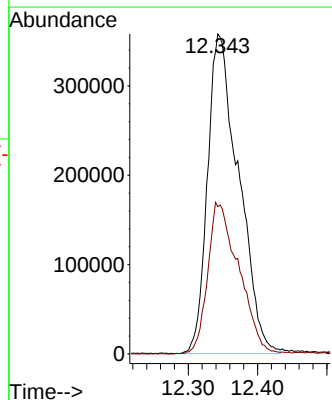
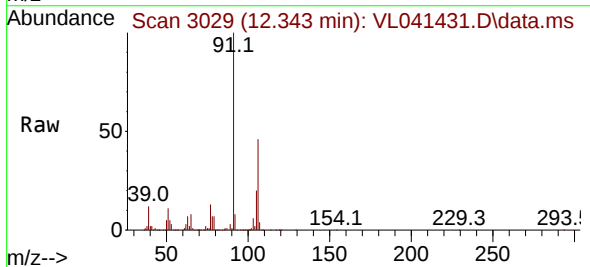
Manual Integrations
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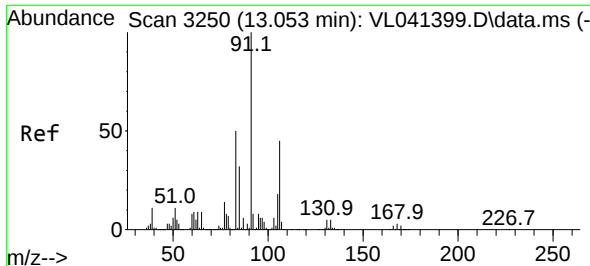
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#59
m/p-Xylene
Concen: 3.951 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. -0.026 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

Tgt Ion: 91 Resp: 1113775
Ion Ratio Lower Upper
91 100
106 47.9 36.3 54.5





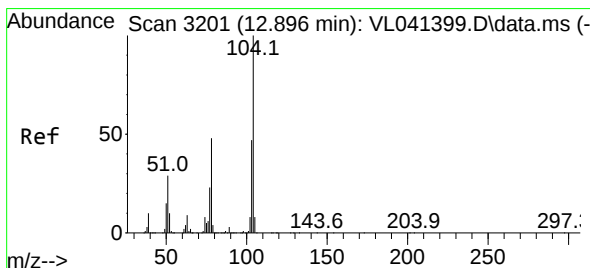
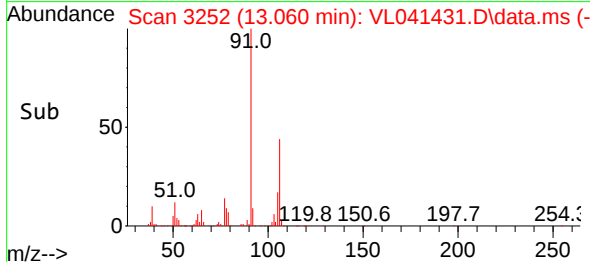
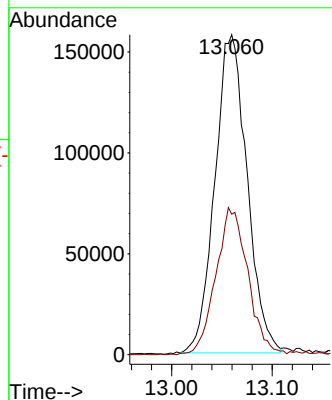
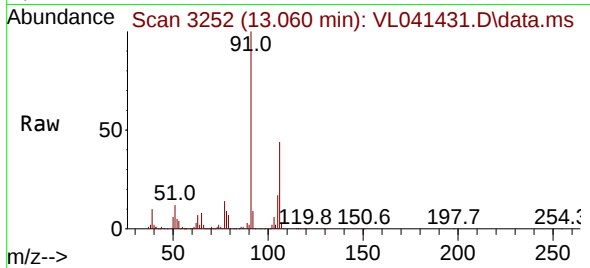
#60
o-Xylene
Concen: 1.316 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04

Tgt Ion: 91 Resp: 351084
Ion Ratio Lower Upper
91 100
106 45.9 23.1 69.3

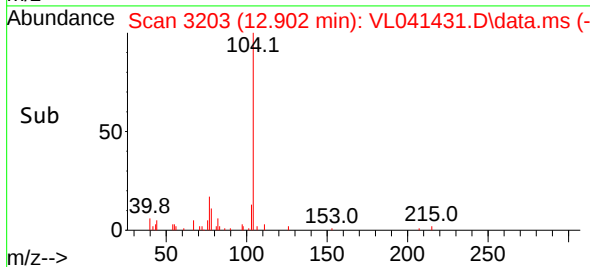
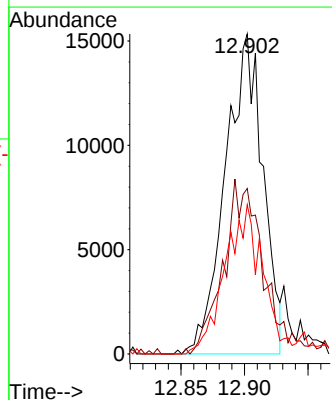
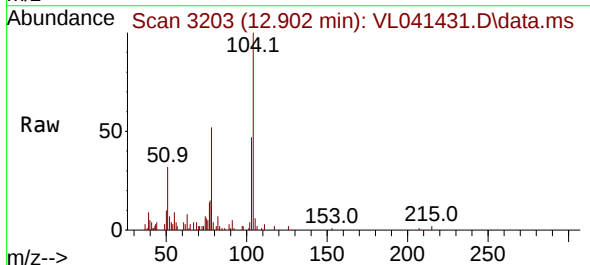
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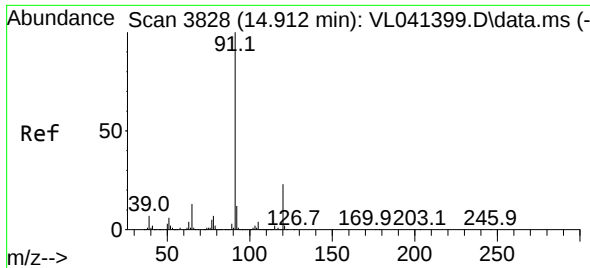
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#61
Styrene
Concen: 0.260 ppbv m
RT: 12.902 min Scan# 3203
Delta R.T. 0.006 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

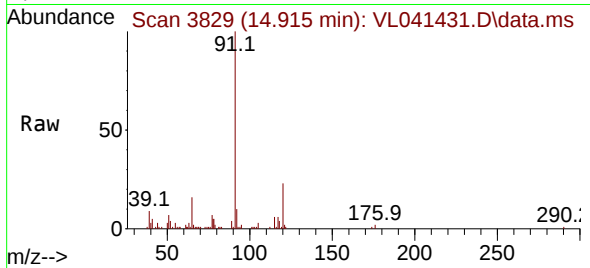
Tgt Ion:104 Resp: 31316
Ion Ratio Lower Upper
104 100
78 58.6 40.8 61.2
103 0.0 38.2 57.4#





#64
n-propylbenzene
Concen: 0.140 ppbv m
RT: 14.915 min Scan# 3829
Delta R.T. -0.000 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

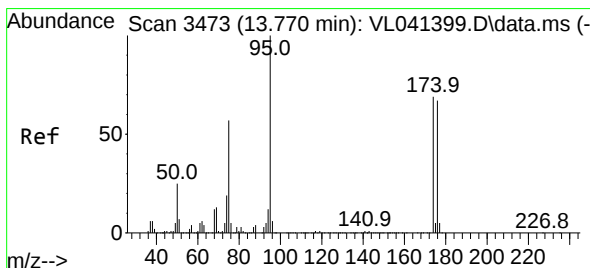
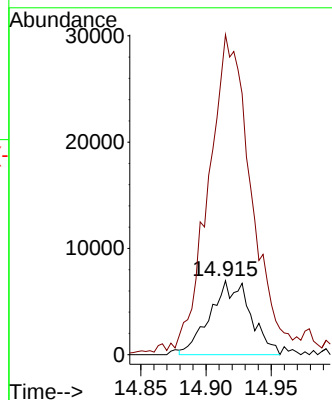
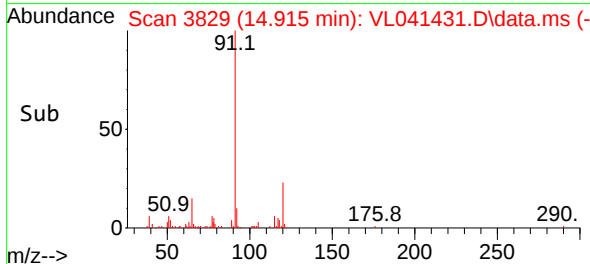
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04



Tgt Ion:120 Resp: 14870
Ion Ratio Lower Upper
120 100
91 482.1 361.4 542.0

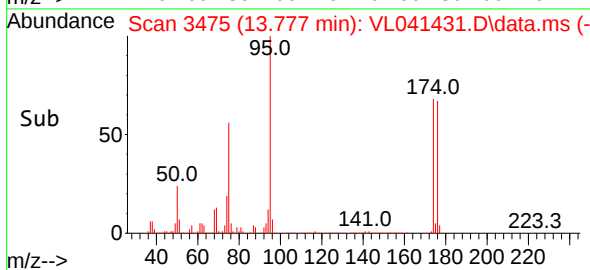
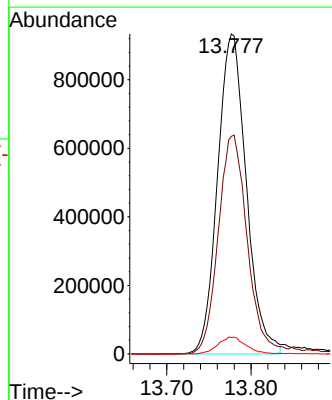
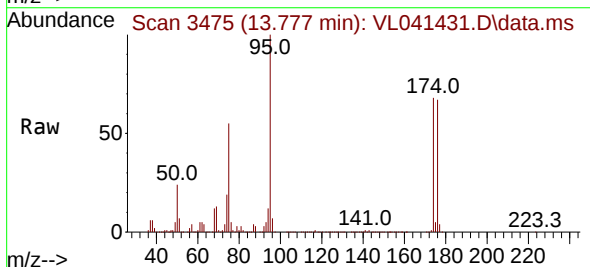
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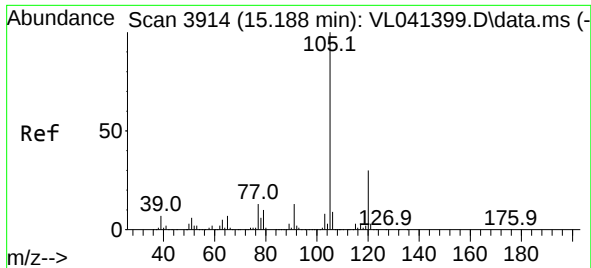
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.138 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

Tgt Ion: 95 Resp: 2210530
Ion Ratio Lower Upper
95 100
174 70.5 56.3 84.5
175 5.3 4.0 6.0





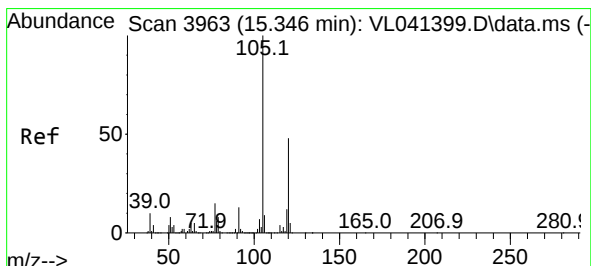
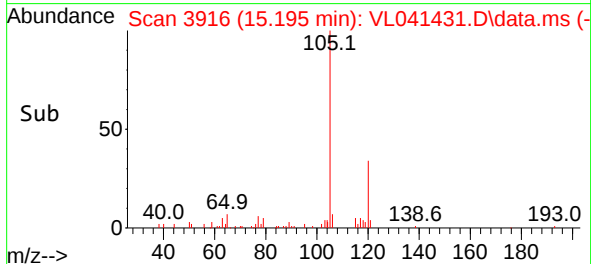
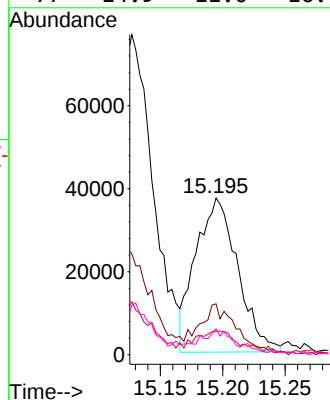
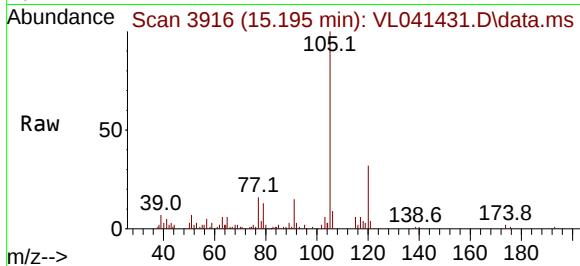
#72
4-Ethyltoluene
Concen: 0.277 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-04

Tgt Ion:105 Resp: 87119
Ion Ratio Lower Upper
105 100
120 29.6 24.2 36.2
91 17.3 10.4 15.6
77 14.9 11.0 16.4

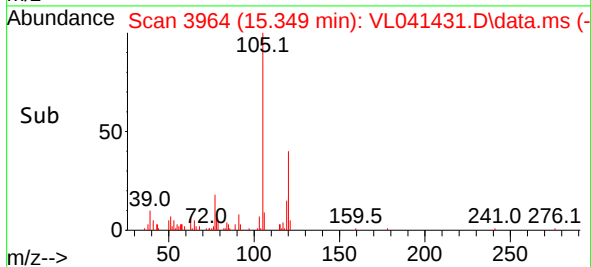
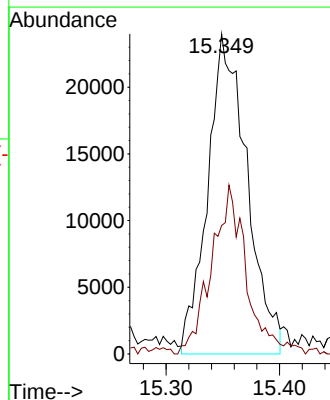
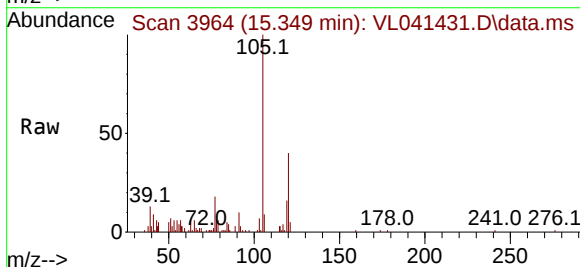
Manual Integrations
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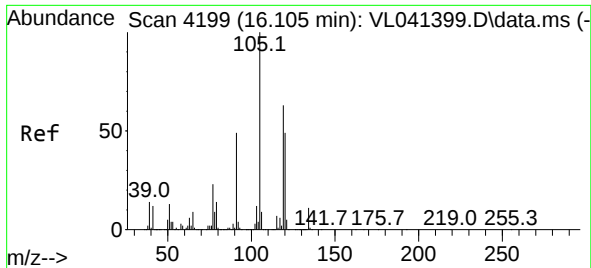
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#73
1,3,5-Trimethylbenzene
Concen: 0.214 ppbv m
RT: 15.349 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VL041431.D
Acq: 29 Jul 2024 16:18

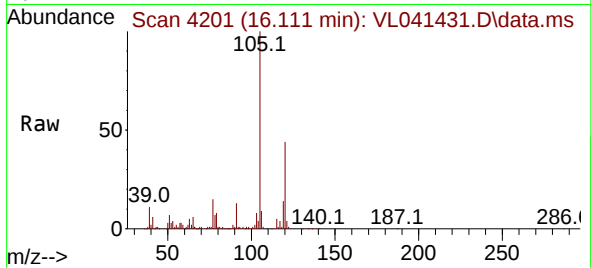
Tgt Ion:105 Resp: 57781
Ion Ratio Lower Upper
105 100
120 40.2 38.6 57.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.700 ppbv
 RT: 16.111 min Scan# 4199
 Delta R.T. 0.003 min
 Lab File: VL041431.D
 Acq: 29 Jul 2024 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-04



Tgt Ion:	105	Resp:	220168
Ion Ratio	Lower	Upper	
105	100		
120	44.2	39.5	59.3
91	12.5	39.8	59.8
77	14.0	18.2	27.4

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

