

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
 Data File : VL041290.D
 Acq On : 24 May 2024 14:21
 Operator : SY/MD
 Sample : P2599-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

Quant Time: May 24 23:21:46 2024

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

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

QLast Update : Fri May 24 23:11:50 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							05/28/2024
1) Bromochloromethane	5.214	49	1043984	10.000	ppbv	0.00	Supervised By : Mahesh
33) 1,4-Difluorobenzene	6.671	114	2625311	10.000	ppbv	0.00	adoda
55) Chlorobenzene-d5	11.481	117	2434493	10.000	ppbv	0.00	
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.790	95	1955051	10.637	ppbv	0.00	05/28/2024
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.400%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.761	85	17987	0.127	ppbv	95	
4) Chloromethane	2.845	50	5925	0.095	ppbv	95	
9) Propene	2.726	41	734570	11.838	ppbv	86	
10) Heptane	7.594	43	176915	1.177	ppbv	97	
11) Trichlorofluoromethane	3.591	101	133907	0.933	ppbv	98	
13) Ethanol	3.272	45	37848	2.721	ppbv	96	
15) Acetone	3.491	43	1985588	16.116	ppbv	97	
20) Methylene Chloride	3.957	84	470793	10.988	ppbv	96	
26) Hexane	5.230	57	976318	8.896	ppbv #	41	
27) Carbon Disulfide	4.144	76	38504	0.296	ppbv #	80	
30) Cyclohexane	6.626	84	16789m	0.193	ppbv		
34) 2-Butanone	4.806	43	2024688	15.152	ppbv	99	
36) Benzene	6.388	78	134932	0.612	ppbv	92	
38) Trichloroethene	7.304	130	3449m	0.042	ppbv		
44) 2,2,4-Trimethylpentane	7.343	57	83013	0.219	ppbv #	63	
51) 2-Hexanone	9.571	43	302292	1.699	ppbv #	93	
52) Tetrachloroethene	10.632	164	122713	1.585	ppbv	94	
53) Toluene	9.237	91	373970	1.464	ppbv	100	
58) Ethyl Benzene	12.098	91	103341m	0.310	ppbv		
59) m/p-Xylene	12.355	91	282524m	1.007	ppbv		
60) o-Xylene	13.069	91	150321	0.572	ppbv	100	
62) Isopropylbenzene	14.037	105	34910m	0.089	ppbv		
64) n-propylbenzene	14.928	120	18936m	0.193	ppbv		
72) 4-Ethyltoluene	15.207	105	74805m	0.251	ppbv		
73) 1,3,5-Trimethylbenzene	15.368	105	94937m	0.352	ppbv		
74) 1,2,4-Trimethylbenzene	16.117	105	282500m	0.960	ppbv		

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

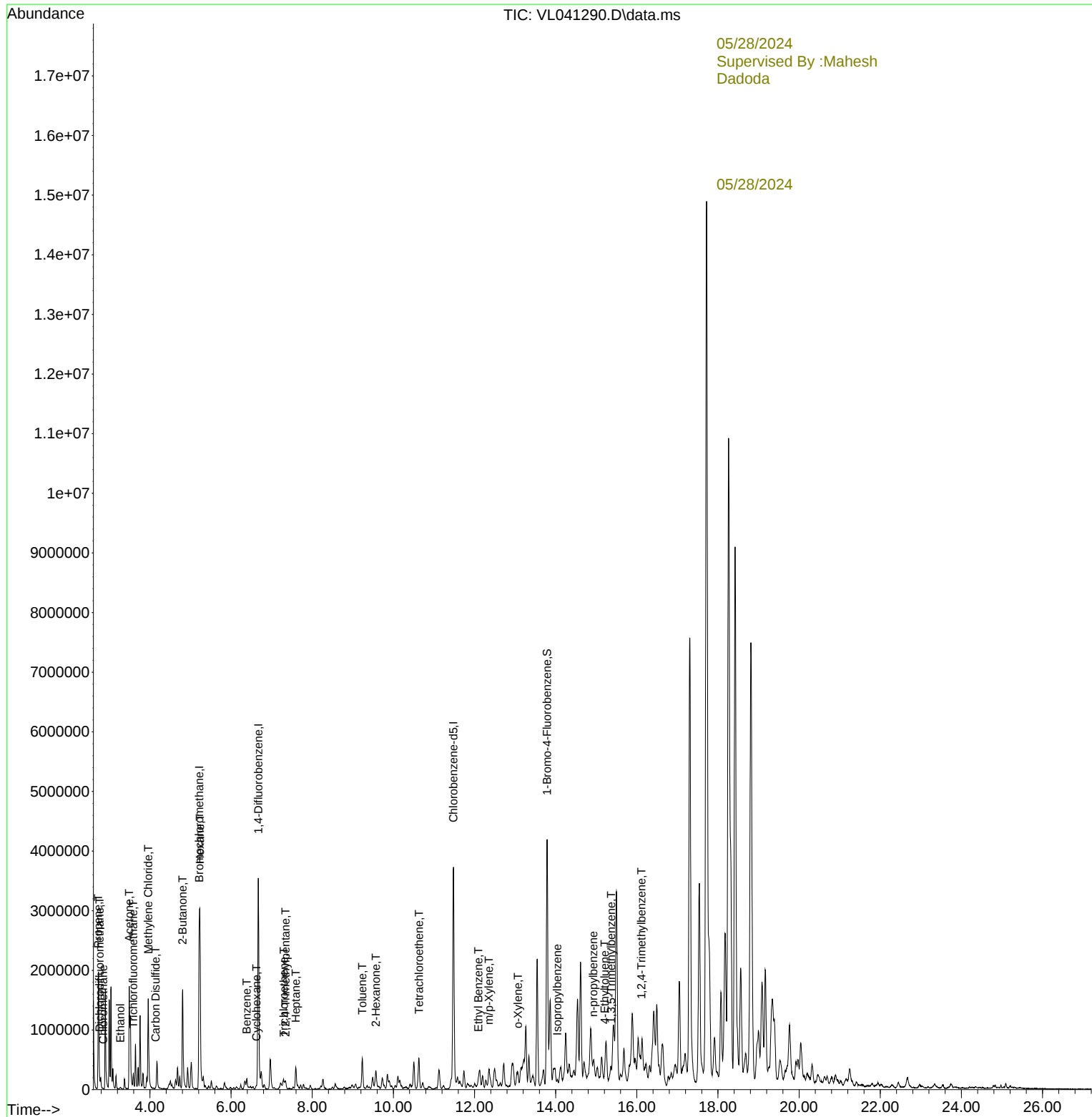
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
Data File : VL041290.D
Acq On : 24 May 2024 14:21
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Sample : P2599-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

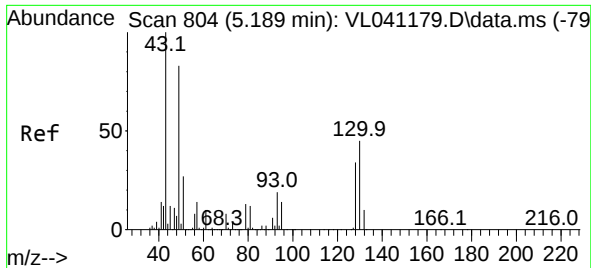
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: May 24 23:21:46 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 : Fri May 24 23:11:50 2024
Response via : Initial Calibration

Manual Integrations
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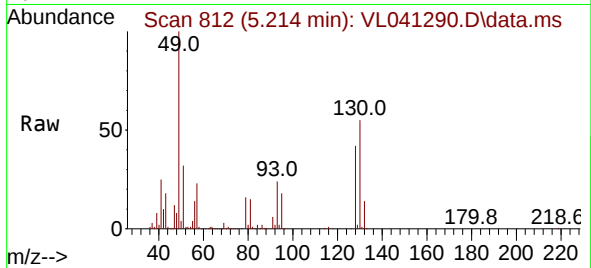
Reviewed By :Semsettin
Yesilyurt





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

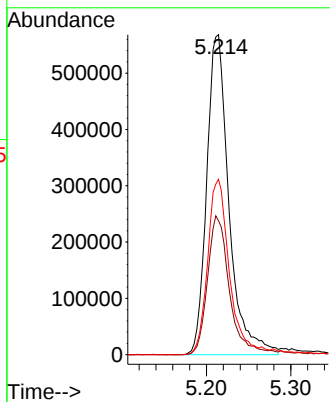
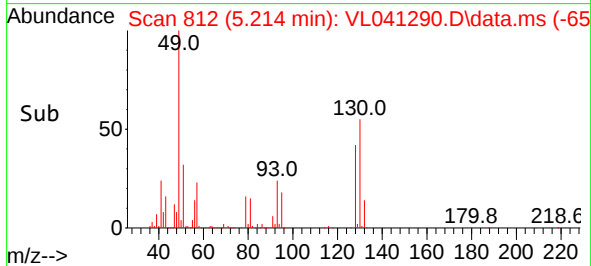
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 49 Resp: 1043984
Ion Ratio Lower Upper
49 100
128 43.6 21.5 64.5
130 55.9 27.2 81.6

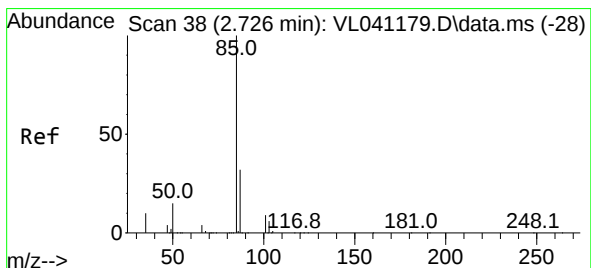
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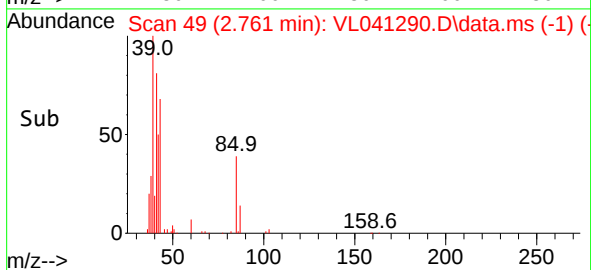
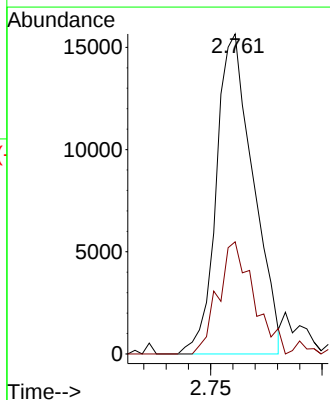
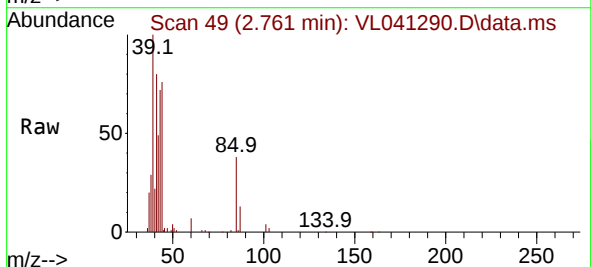
05/28/2024
Supervised By :Mahesh
Dadoda

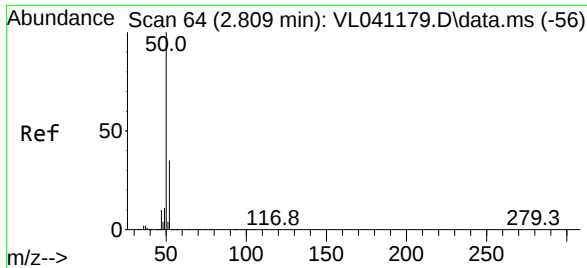
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#2
Dichlorodifluoromethane
Concen: 0.127 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 85 Resp: 17987
Ion Ratio Lower Upper
85 100
87 35.0 25.7 38.5





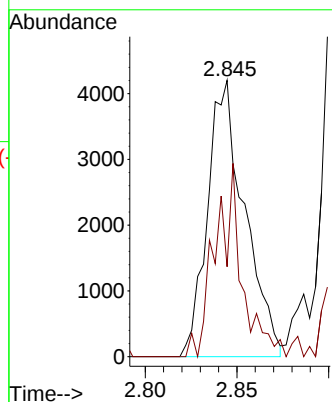
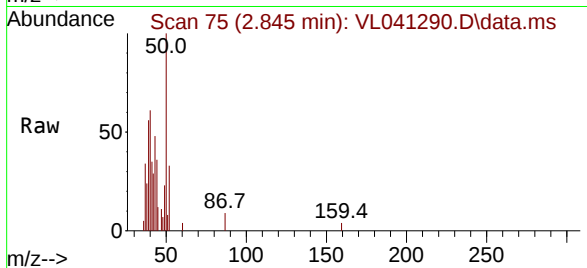
#4
Chloromethane
Concen: 0.095 ppbv
RT: 2.845 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 50 Resp: 592
Ion Ratio Lower Upper
50 100
52 32.5 28.3 42.5

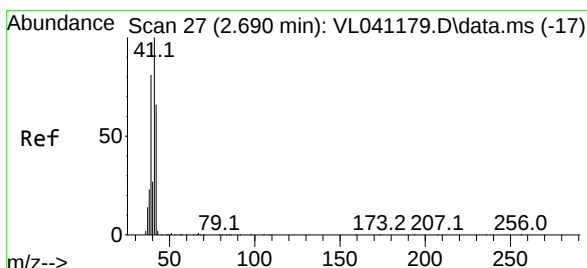
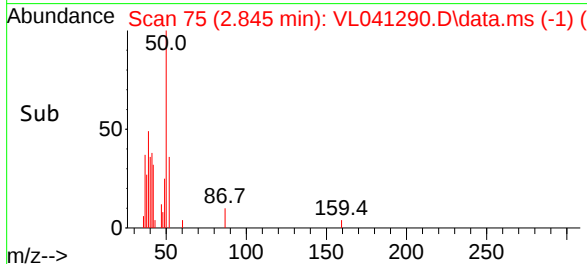
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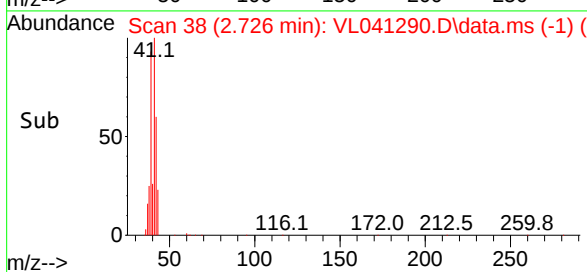
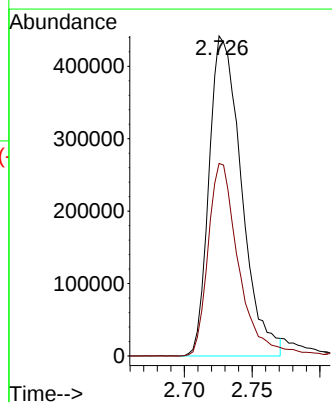
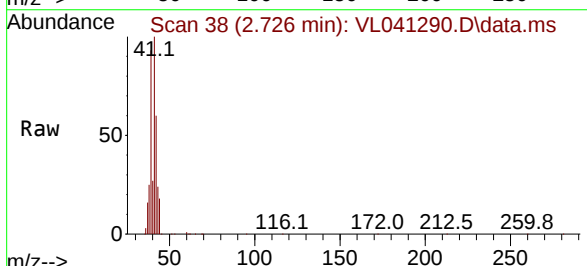
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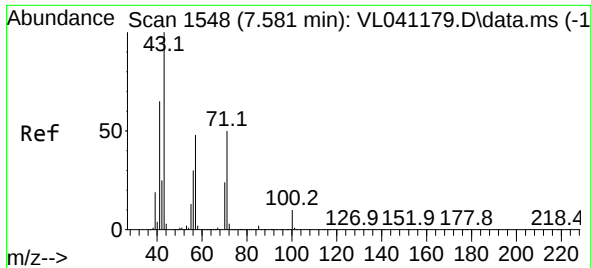
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#9
Propene
Concen: 11.838 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

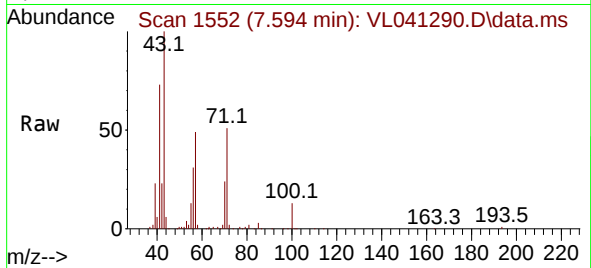
Tgt Ion: 41 Resp: 734570
Ion Ratio Lower Upper
41 100
42 57.6 55.3 82.9





#10
Heptane
Concen: 1.177 ppbv
RT: 7.594 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

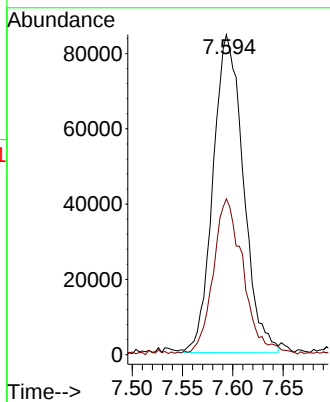
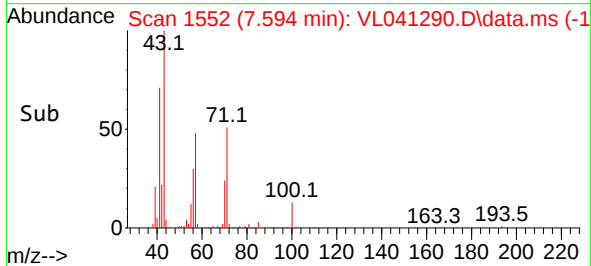
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 43 Resp: 17691
Ion Ratio Lower Upper
43 100
57 50.4 38.7 58.1

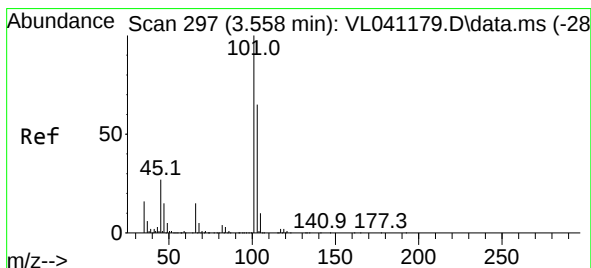
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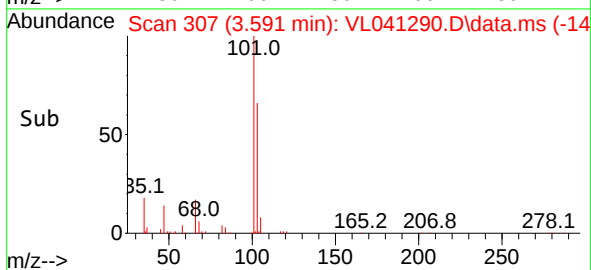
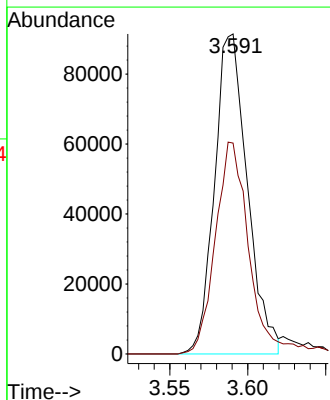
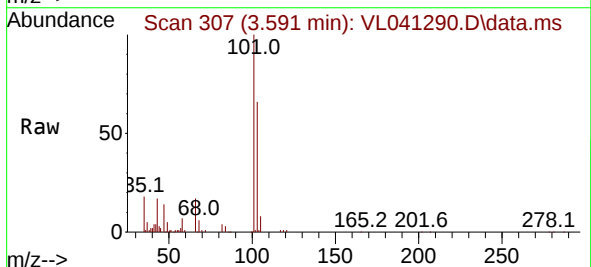
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Dadoda

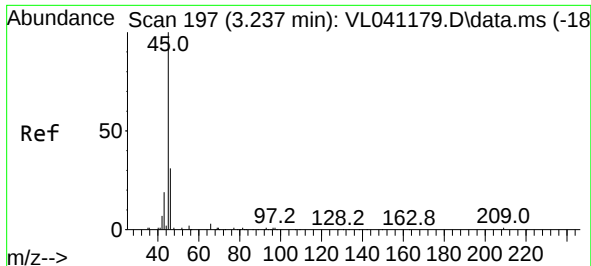
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#11
Trichlorofluoromethane
Concen: 0.933 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

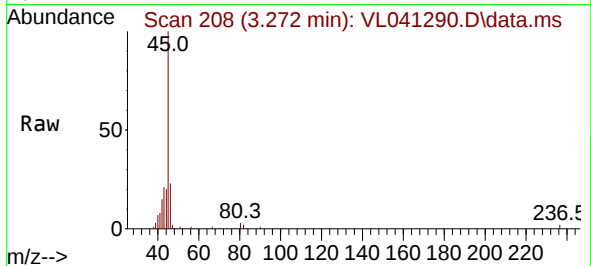
Tgt Ion:101 Resp: 133907
Ion Ratio Lower Upper
101 100
103 65.9 51.6 77.4





#13
Ethanol
Concen: 2.721 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.013 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

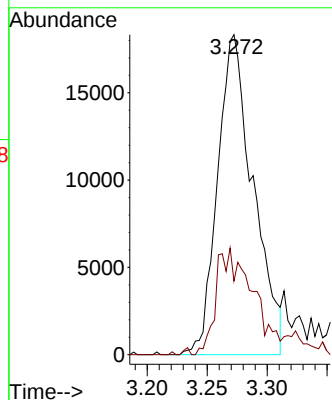
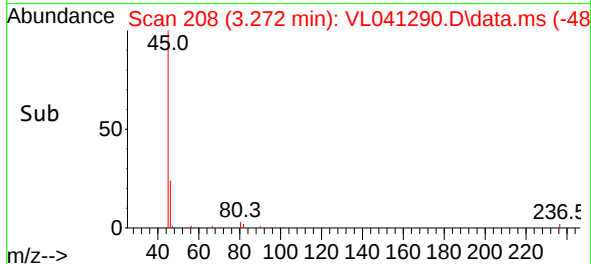
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 45 Resp: 37848
Ion Ratio Lower Upper
45 100
46 39.1 14.8 59.0

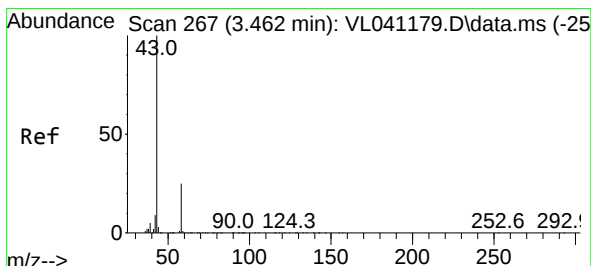
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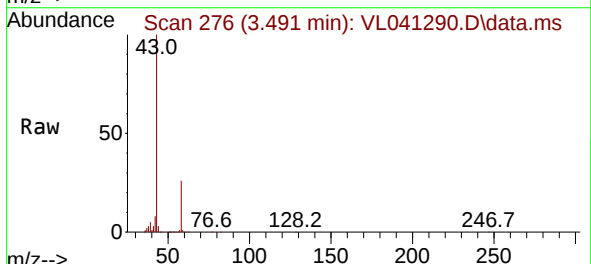


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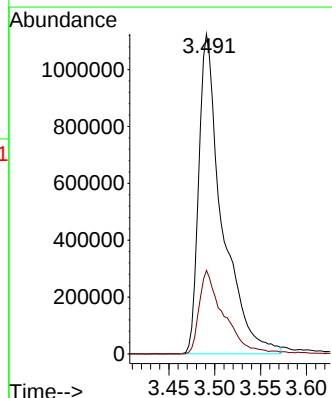
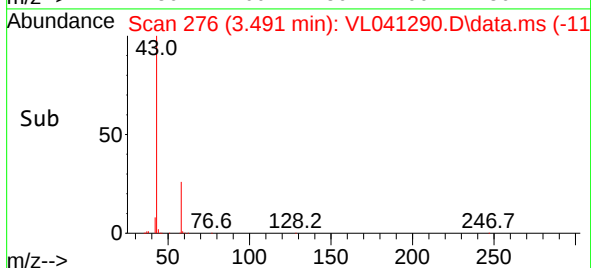
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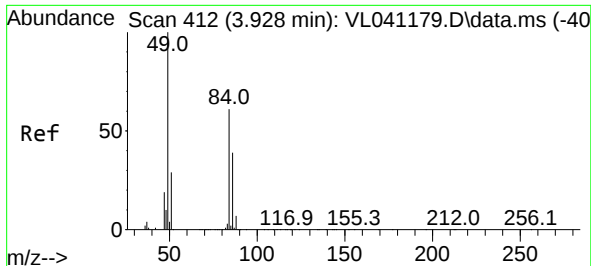


#15
Acetone
Concen: 16.116 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21



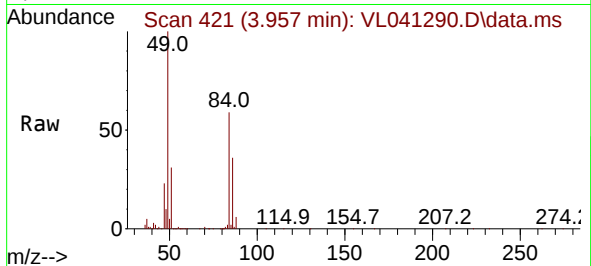
Tgt Ion: 43 Resp: 1985588
Ion Ratio Lower Upper
43 100
58 28.4 21.4 32.0





#20
Methylene Chloride
Concen: 10.988 ppbv
RT: 3.957 min Scan# 412
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

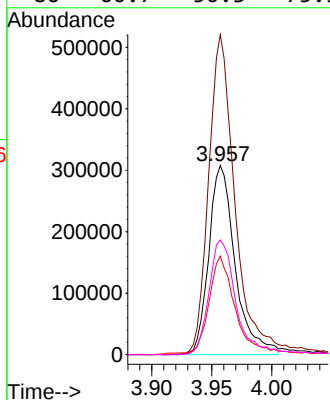
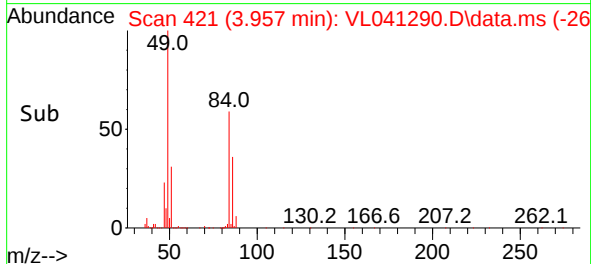
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 84 Resp: 470793
Ion Ratio Lower Upper
84 100
49 168.9 130.4 195.6
51 51.3 38.0 57.0
86 60.7 50.3 75.5

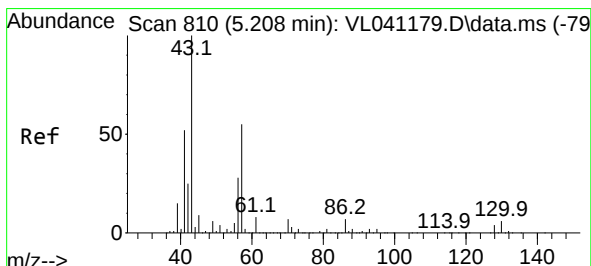
Manual Integrations
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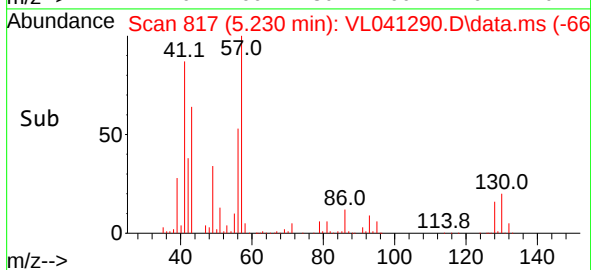
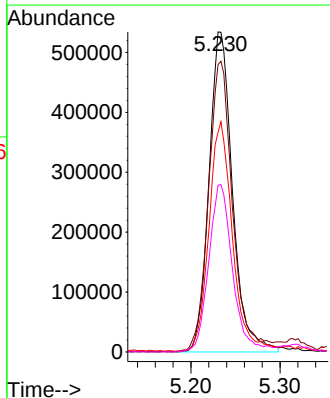
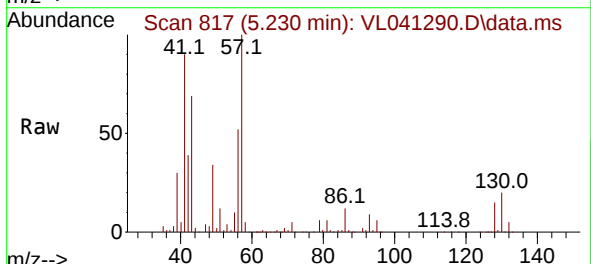
05/28/2024
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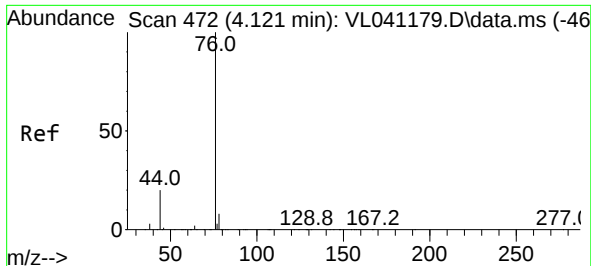
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#26
Hexane
Concen: 8.896 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

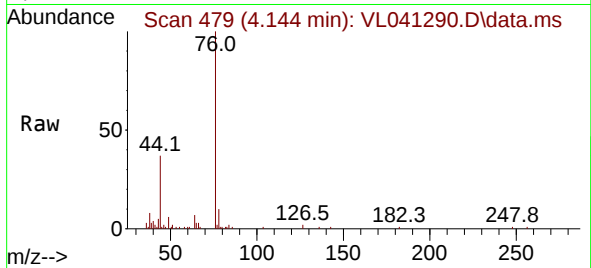
Tgt Ion: 57 Resp: 976318
Ion Ratio Lower Upper
57 100
41 94.1 75.8 113.8
43 73.7 187.0 280.4#
56 53.1 42.7 64.1





#27
Carbon Disulfide
Concen: 0.296 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

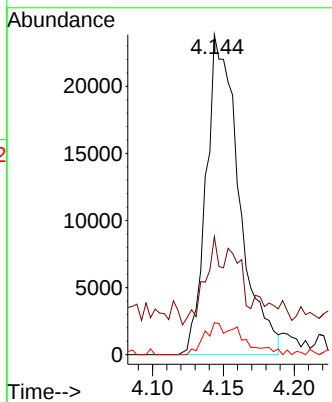
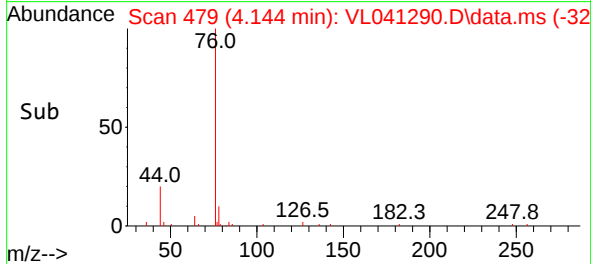
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 76 Resp: 38504
Ion Ratio Lower Upper
76 100
44 32.3 16.3 24.5#
78 11.6 7.3 10.9#

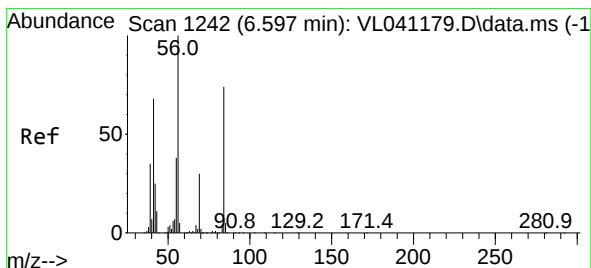
Manual Integrations
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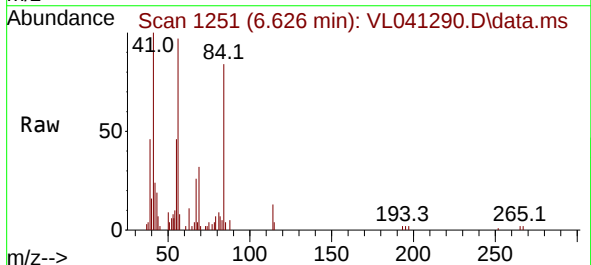


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Dadoda

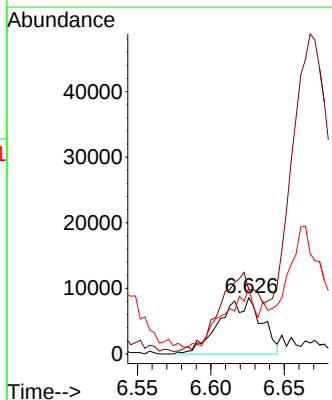
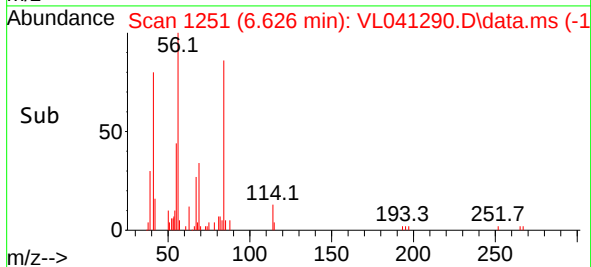
05/28/2024

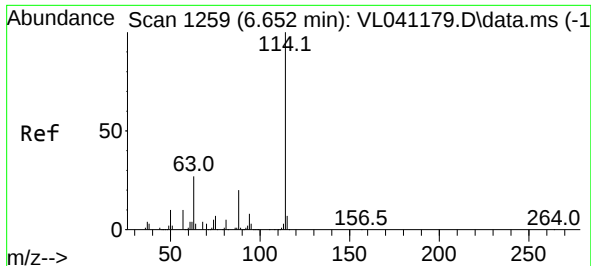


#30
Cyclohexane
Concen: 0.193 ppbv m
RT: 6.626 min Scan# 1251
Delta R.T. 0.013 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21



Tgt Ion: 84 Resp: 16789
Ion Ratio Lower Upper
84 100
56 0.0 116.8 175.2#
41 0.0 73.8 110.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion:114 Resp: 262531

Ion Ratio Lower Upper

114 100

63 26.3 21.8 32.6

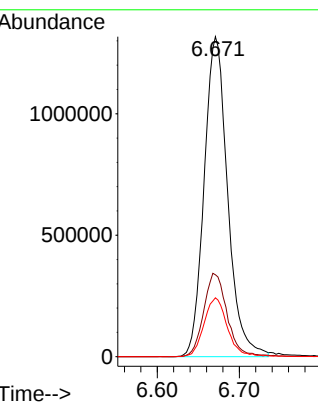
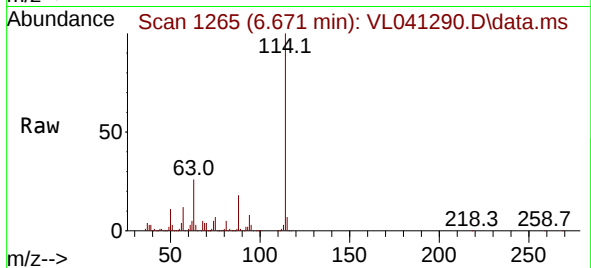
88 18.5 15.2 22.8

Manual Integrations

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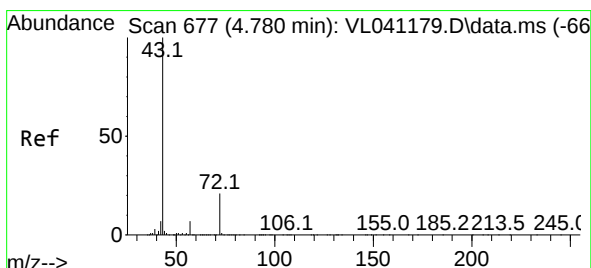
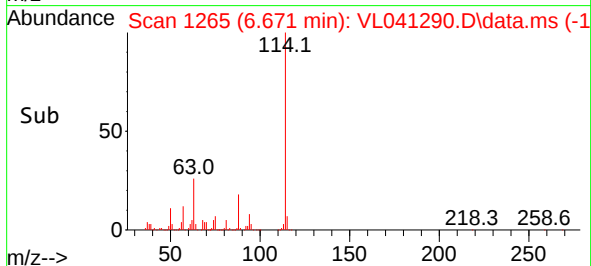


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Dadoda

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#34

2-Butanone

Concen: 15.152 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.003 min

Lab File: VL041290.D

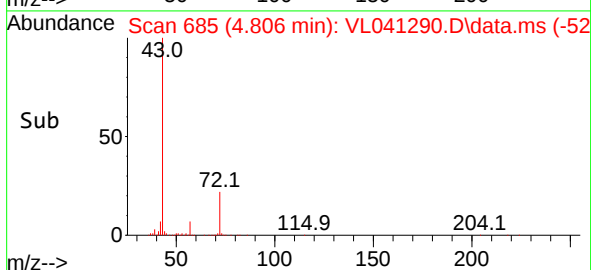
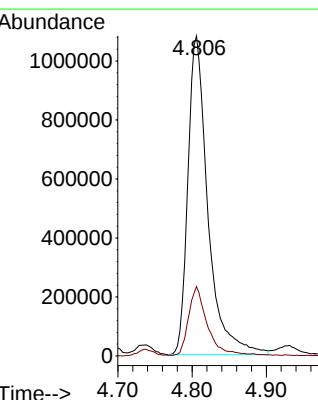
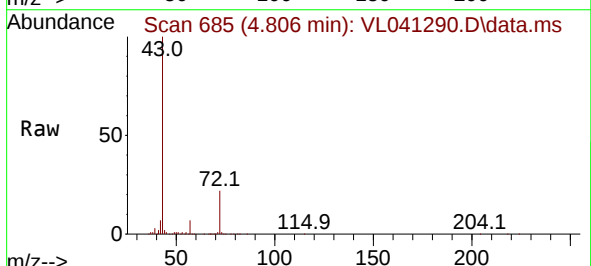
Acq: 24 May 2024 14:21

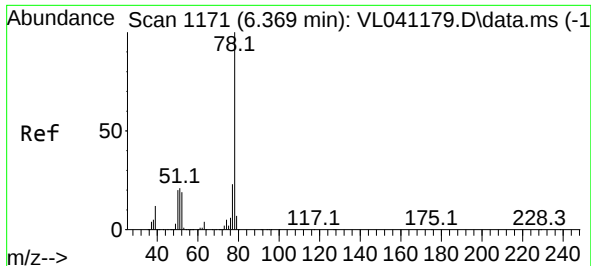
Tgt Ion: 43 Resp: 2024688

Ion Ratio Lower Upper

43 100

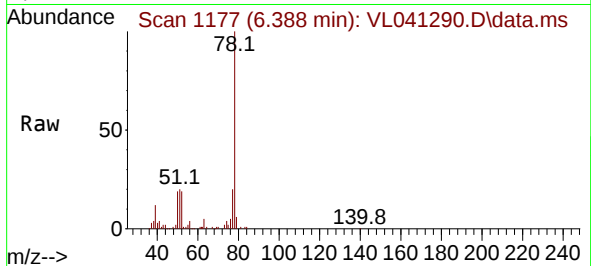
72 21.0 17.3 25.9





#36
Benzene
Concen: 0.612 ppbv
RT: 6.388 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

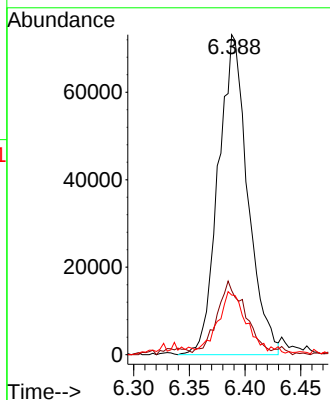
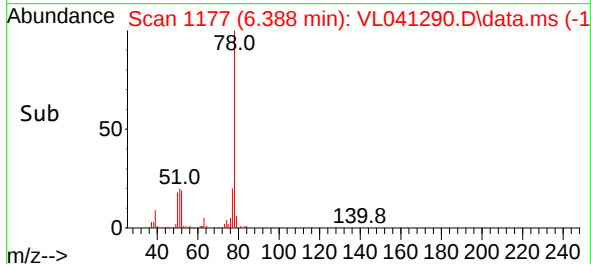
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 78 Resp: 13493
Ion Ratio Lower Upper
78 100
77 18.5 18.3 27.5
50 16.3 15.9 23.9

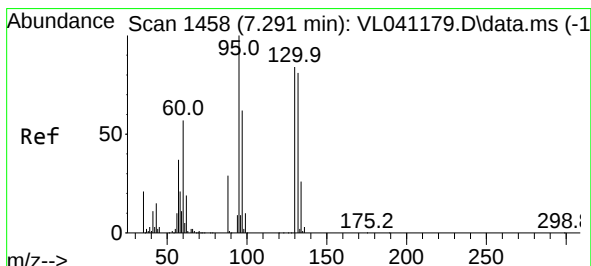
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Reviewed By :Semsettin
Yesilyurt

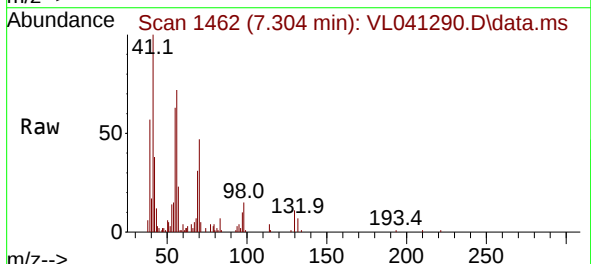


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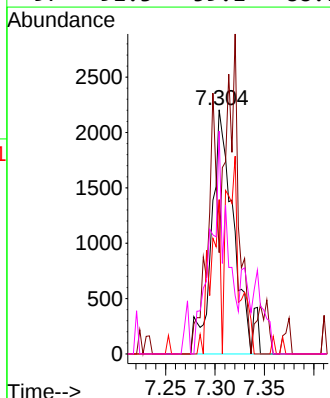
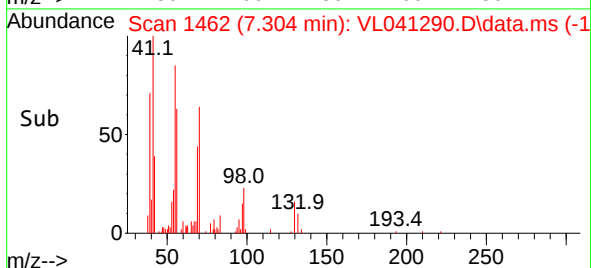
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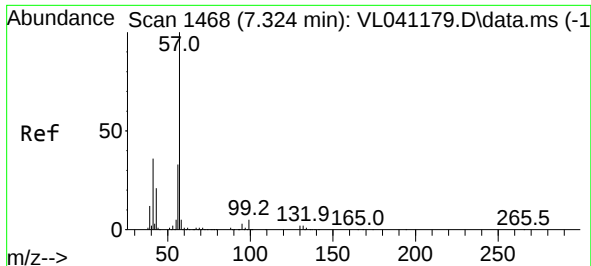


#38
Trichloroethene
Concen: 0.042 ppbv m
RT: 7.304 min Scan# 1462
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21



Tgt Ion:130 Resp: 3449
Ion Ratio Lower Upper
130 100
95 41.5 95.0 142.6#
132 63.2 77.0 115.4#
97 91.3 59.1 88.7#





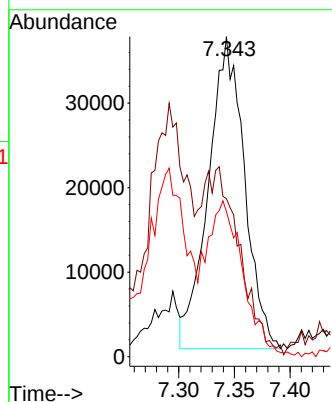
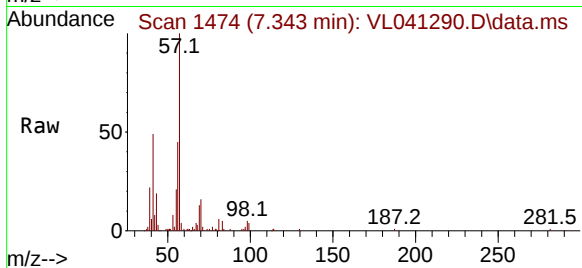
#44
2,2,4-Trimethylpentane
Concen: 0.219 ppbv
RT: 7.343 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 57 Resp: 8301
Ion Ratio Lower Upper
57 100
41 58.2 29.5 44.3
56 52.8 25.3 37.9

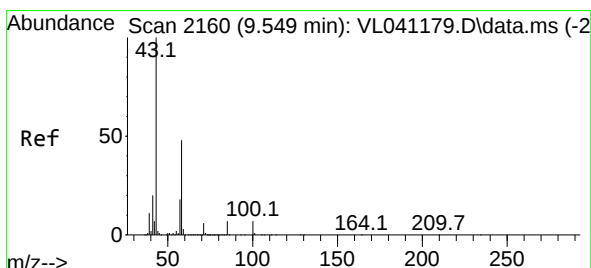
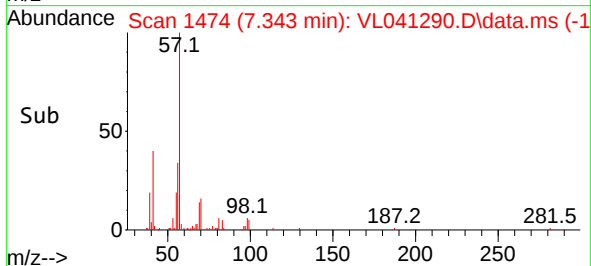
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Reviewed By :Semsettin
Yesilyurt



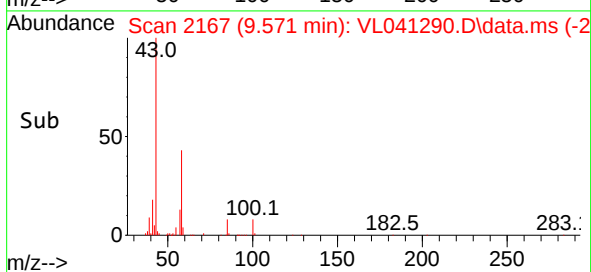
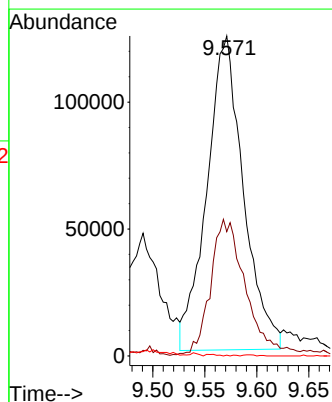
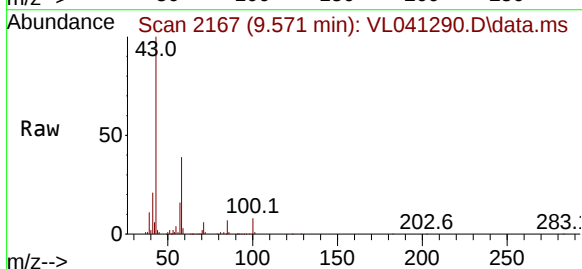
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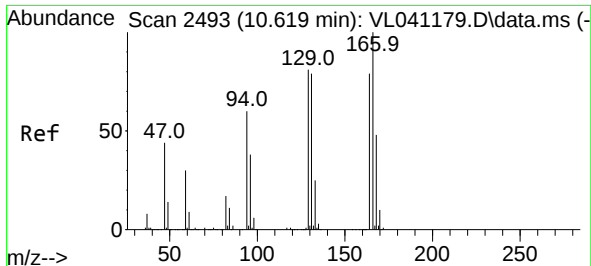
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#51
2-Hexanone
Concen: 1.699 ppbv
RT: 9.571 min Scan# 2167
Delta R.T. 0.013 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

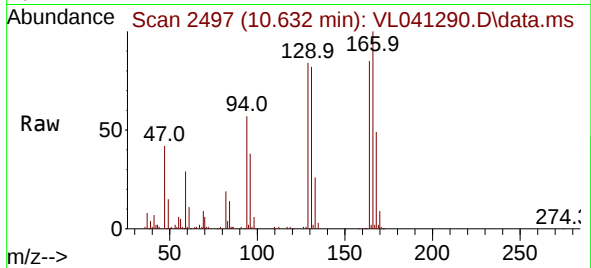
Tgt Ion: 43 Resp: 302292
Ion Ratio Lower Upper
43 100
58 43.4 38.4 57.6
98 0.3 0.0 0.0





#52
Tetrachloroethene
Concen: 1.585 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

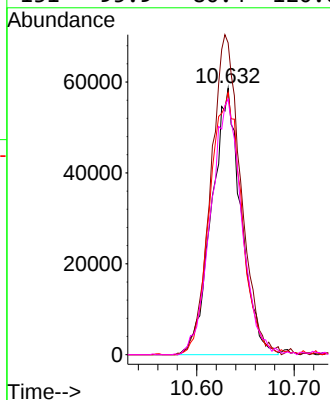
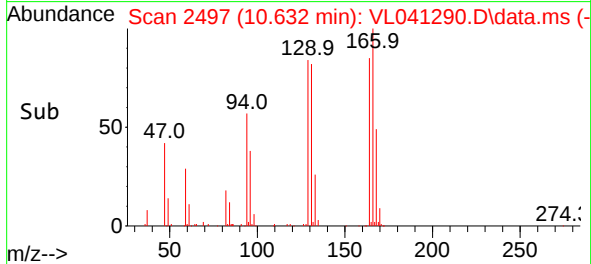
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:164 Resp: 12271
Ion Ratio Lower Upper
164 100
166 116.4 101.1 151.7
129 98.4 81.7 122.5
131 95.9 80.4 120.6

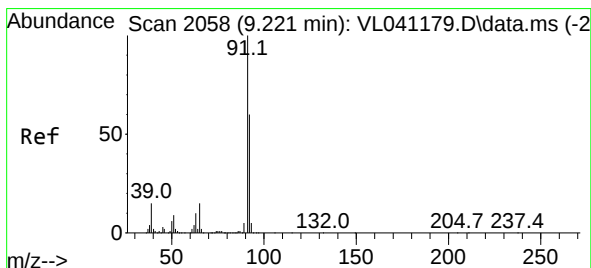
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Yesilyurt



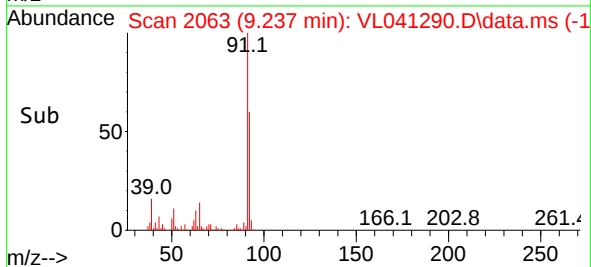
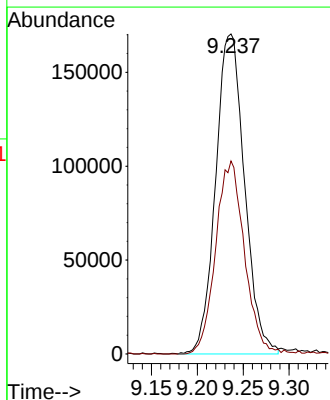
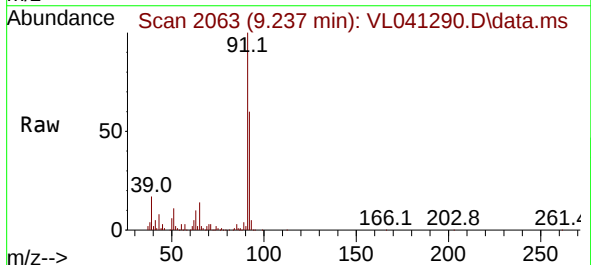
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Supervised By :Mahesh
Dadoda

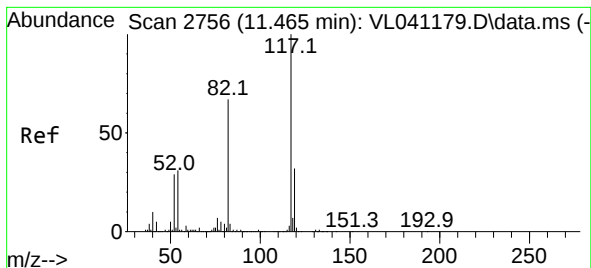
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#53
Toluene
Concen: 1.464 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

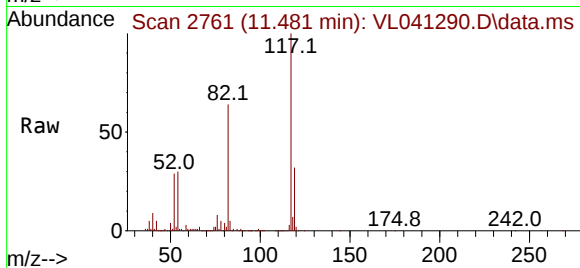
Tgt Ion: 91 Resp: 373970
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

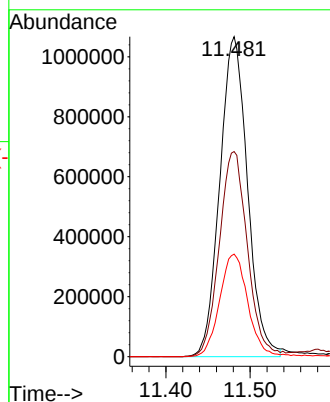
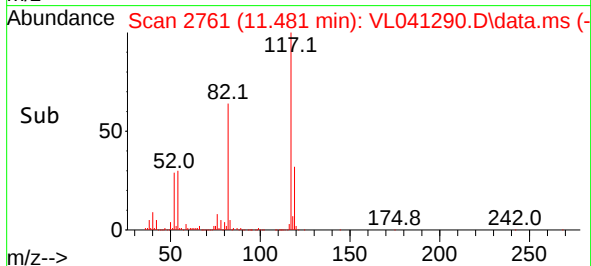
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:117 Resp: 243449
Ion Ratio Lower Upper
117 100
82 65.3 53.6 80.4
119 33.5 27.2 40.8

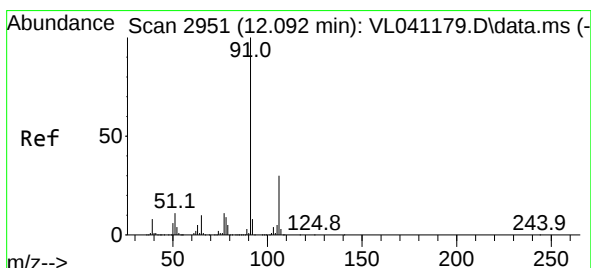
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Yesilyurt



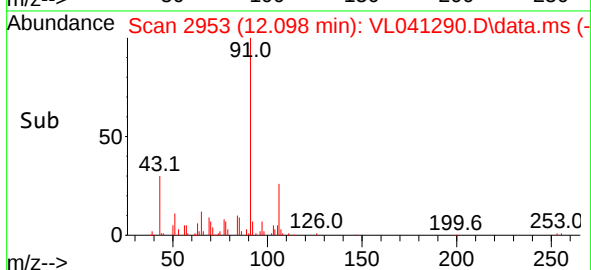
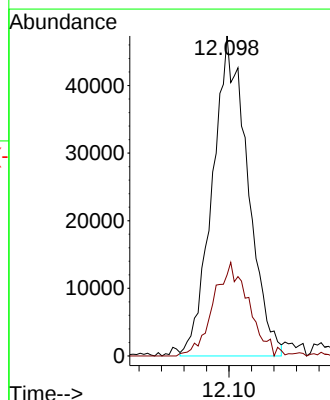
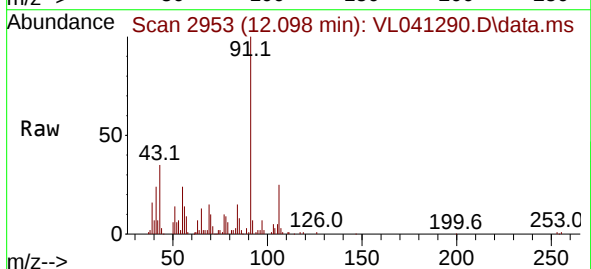
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Dadoda

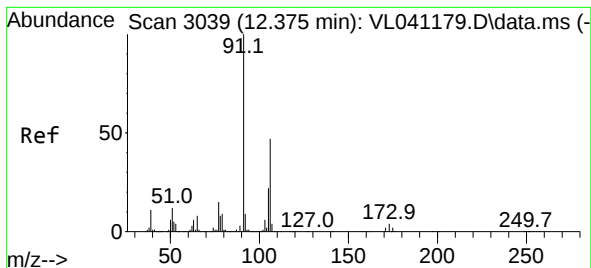
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#58
Ethyl Benzene
Concen: 0.310 ppbv m
RT: 12.098 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 91 Resp: 103341
Ion Ratio Lower Upper
91 100
106 25.4 24.3 36.5





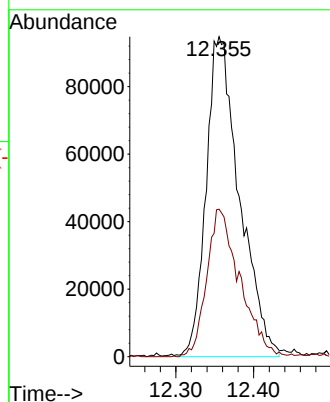
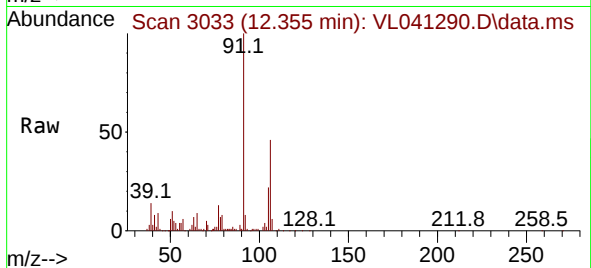
#59
m/p-Xylene
Concen: 1.007 ppbv m
RT: 12.355 min Scan# 3033
Delta R.T. -0.022 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 91 Resp: 282524
Ion Ratio Lower Upper
91 100
106 45.9 35.7 53.5

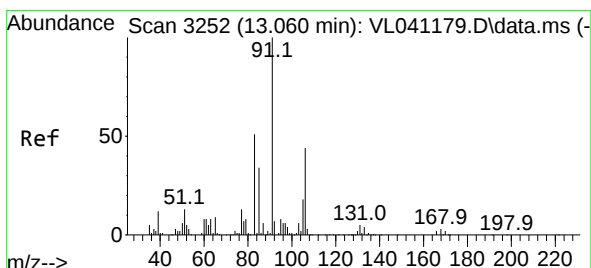
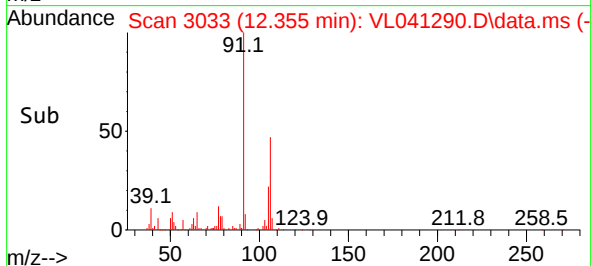
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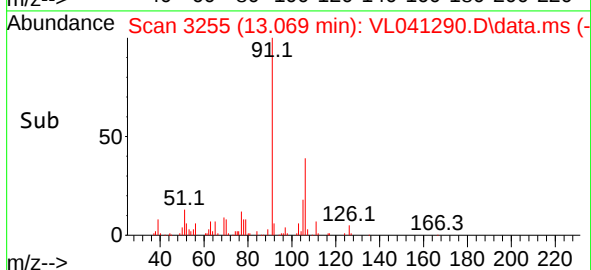
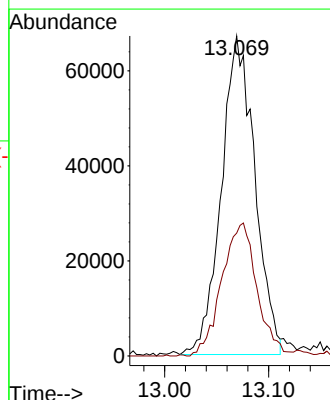
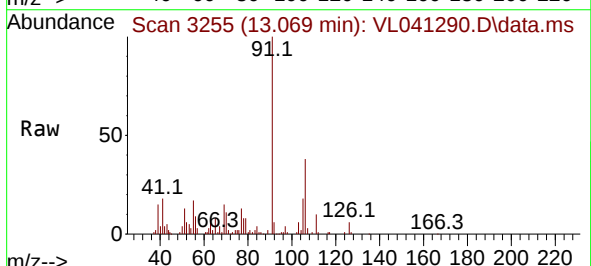
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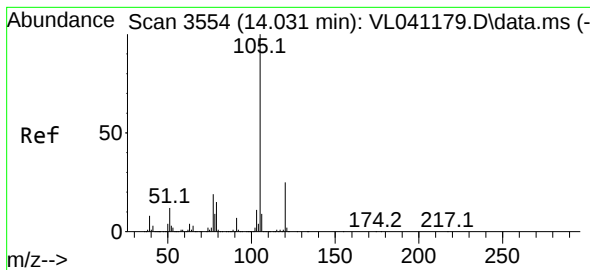
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#60
o-Xylene
Concen: 0.572 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

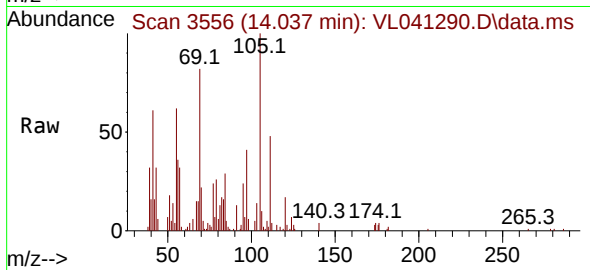
Tgt Ion: 91 Resp: 150321
Ion Ratio Lower Upper
91 100
106 45.0 22.4 67.3





#62
Isopropylbenzene
Concen: 0.089 ppbv m
RT: 14.037 min Scan# 3554
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

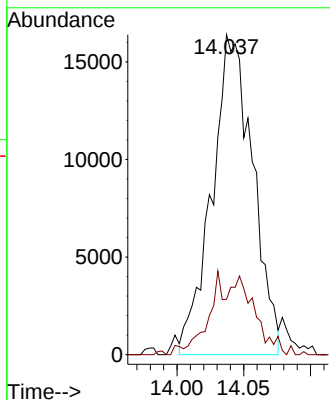
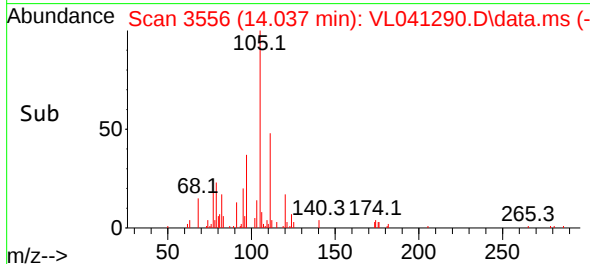
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:105 Resp: 34910
Ion Ratio Lower Upper
105 100
120 0.0 20.2 30.2

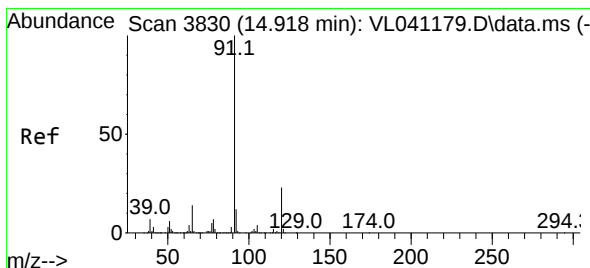
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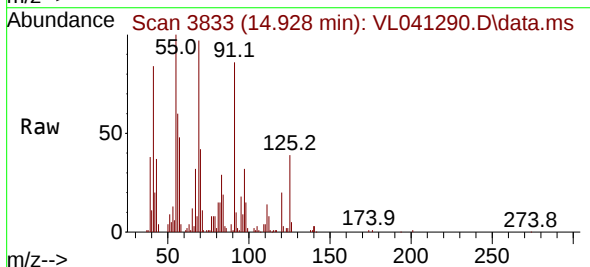


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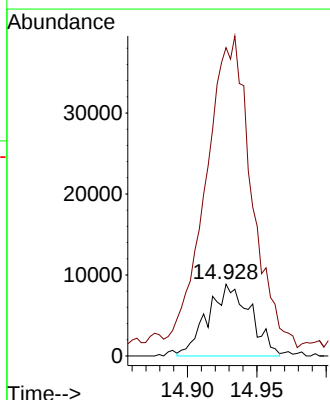
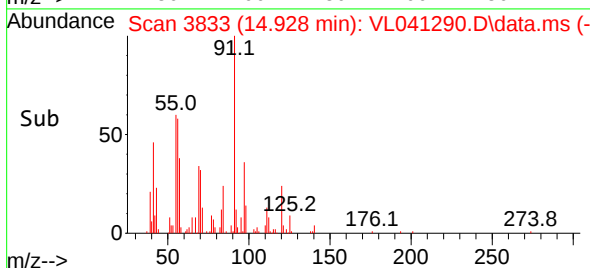
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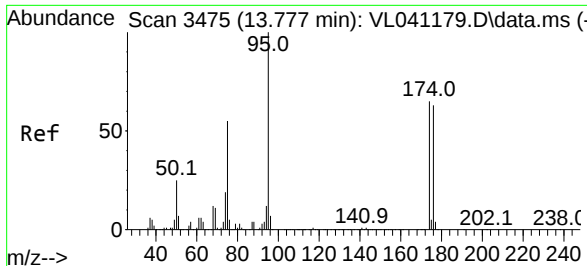


#64
n-propylbenzene
Concen: 0.193 ppbv m
RT: 14.928 min Scan# 3833
Delta R.T. 0.010 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21



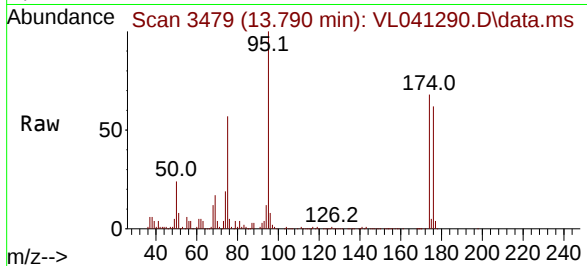
Tgt Ion:120 Resp: 18936
Ion Ratio Lower Upper
120 100
91 546.9 384.8 577.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.637 ppbv
RT: 13.790 min Scan# 3475
Delta R.T. 0.010 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

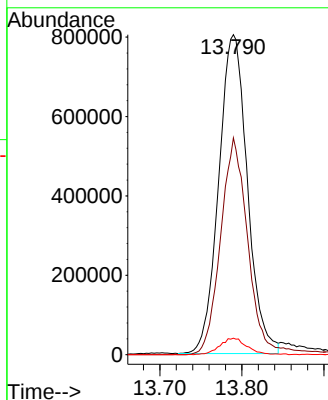
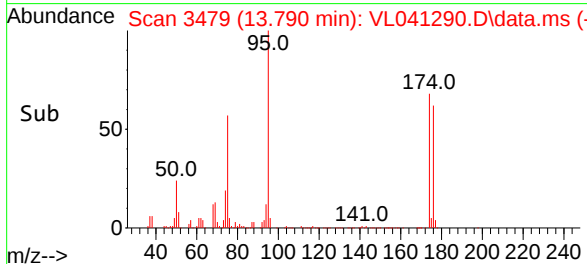
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 95 Resp: 195505
Ion Ratio Lower Upper
95 100
174 66.5 53.6 80.4
175 5.0 4.2 6.4

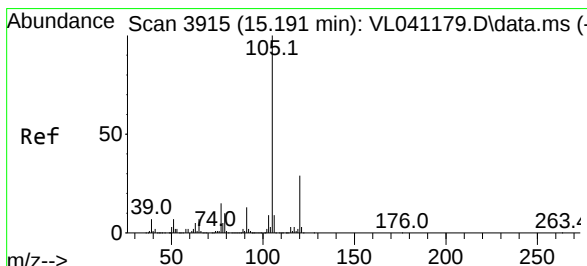
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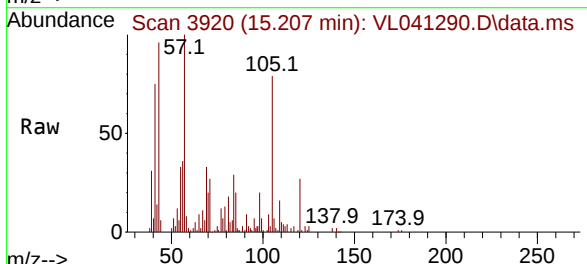


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Supervised By :Mahesh
Dadoda

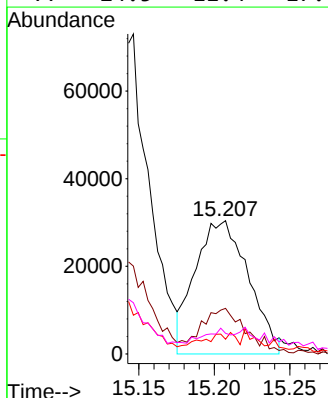
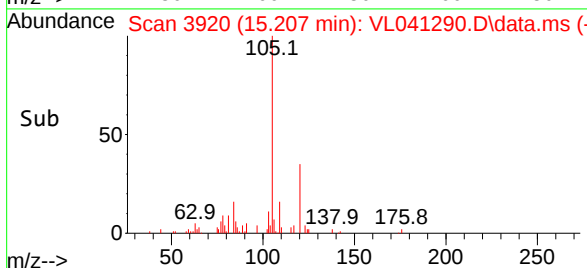
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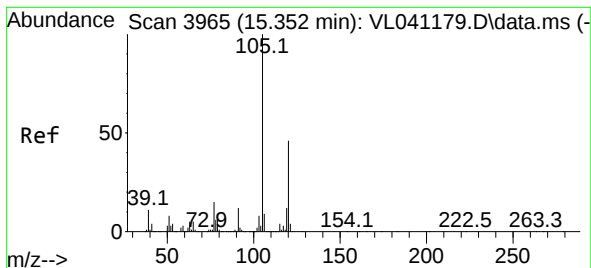


#72
4-Ethyltoluene
Concen: 0.251 ppbv m
RT: 15.207 min Scan# 3920
Delta R.T. 0.010 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21



Tgt Ion:105 Resp: 74805
Ion Ratio Lower Upper
105 100
120 29.2 24.7 37.1
91 16.7 10.3 15.5#
77 24.5 11.4 17.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.352 ppbv m

RT: 15.368 min Scan# 3965

Delta R.T. 0.013 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion:105 Resp: 9493

Ion Ratio Lower Upper

105 100

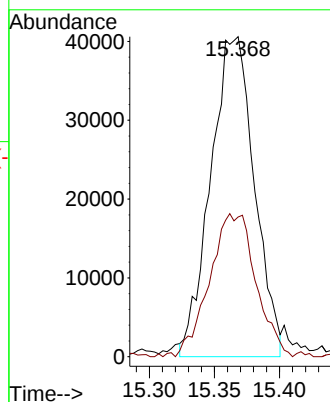
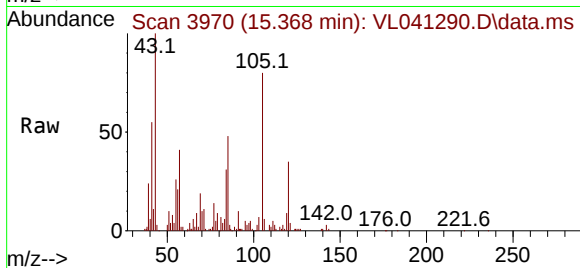
120 43.7 37.0 55.4

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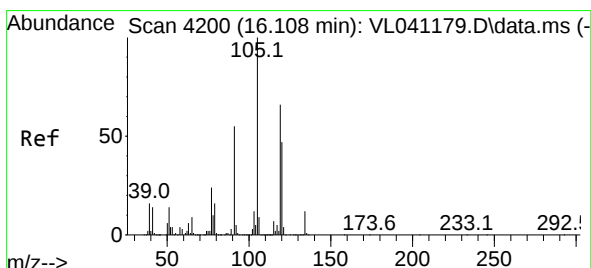
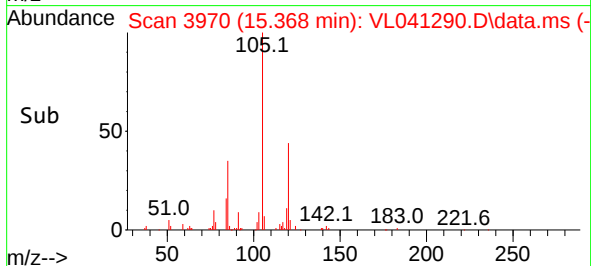


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#74

1,2,4-Trimethylbenzene

Concen: 0.960 ppbv m

RT: 16.117 min Scan# 4203

Delta R.T. 0.006 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Tgt Ion:105 Resp: 282500

Ion Ratio Lower Upper

105 100

120 46.6 37.8 56.6

91 14.9 44.3 66.5#

77 15.3 19.0 28.4#

