

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
 Data File : VL041291.D
 Acq On : 24 May 2024 15:02
 Operator : SY/MD
 Sample : P2599-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

Quant Time: May 24 23:22:22 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						
1) Bromochloromethane	5.211	49	1010094	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2616877	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2365112	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1871907	10.484	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.800%
Target Compounds						Qvalue
9) Propene	2.729	41	133172	2.218	ppbv	83
10) Heptane	7.594	43	28055m	0.193	ppbv	
11) Trichlorofluoromethane	3.591	101	21935	0.158	ppbv	97
13) Ethanol	3.285	45	5394m	0.401	ppbv	
15) Acetone	3.501	43	355010	2.978	ppbv	94
20) Methylene Chloride	3.957	84	101039	2.437	ppbv	98
23) Vinyl Acetate	4.674	43	34200m	0.261	ppbv	
25) Ethyl Acetate	5.230	43	153930	0.647	ppbv #	75
26) Hexane	5.230	57	212267	1.999	ppbv #	41
34) 2-Butanone	4.812	43	325435	2.443	ppbv	98
36) Benzene	6.385	78	22057	0.100	ppbv	96
51) 2-Hexanone	9.581	43	41001m	0.231	ppbv	
52) Tetrachloroethene	10.629	164	21216m	0.275	ppbv	
53) Toluene	9.237	91	55651	0.219	ppbv	99
59) m/p-Xylene	12.355	91	42190m	0.155	ppbv	
60) o-Xylene	13.069	91	23046m	0.090	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	39451m	0.138	ppbv	

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

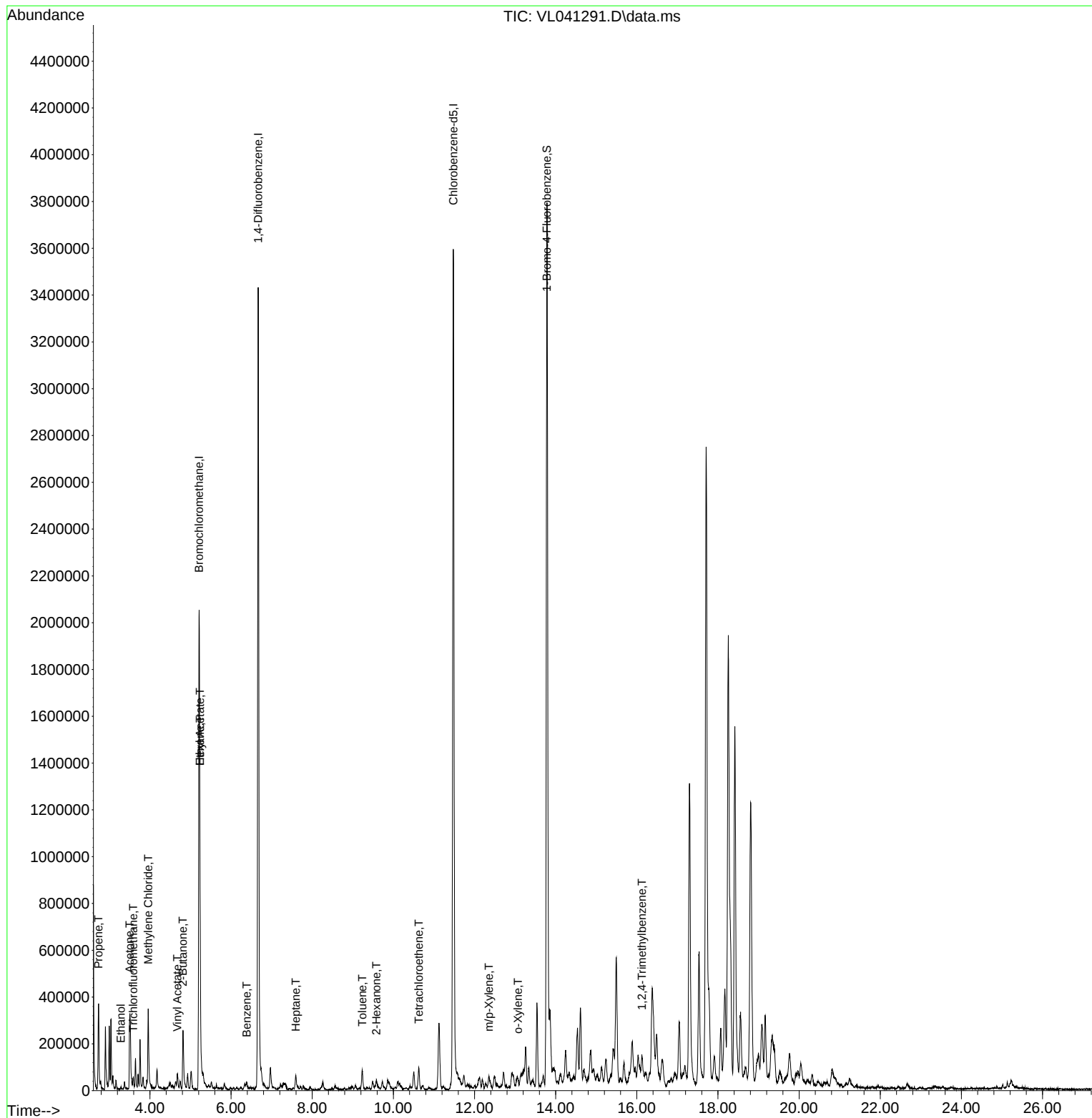
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
Data File : VL041291.D
Acq On : 24 May 2024 15:02
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Sample : P2599-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

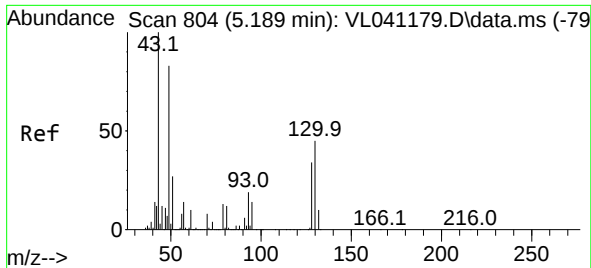
Instrument :
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ClientSampleId :
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Supervised By : Mahesh Dadoda 05/28/2024

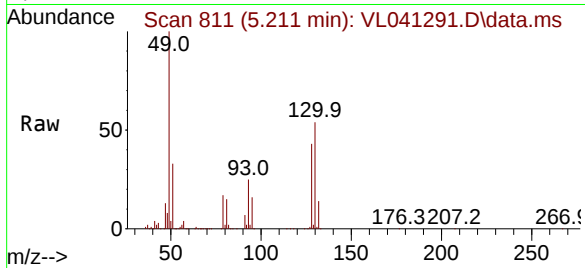
Quant Time: May 24 23:22:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 24 23:11:50 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

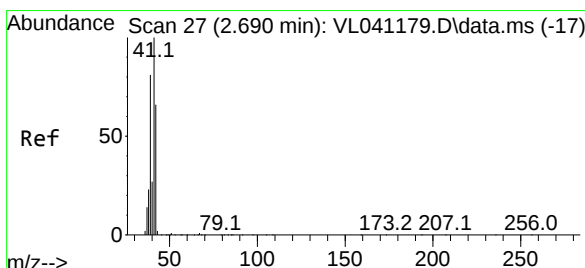
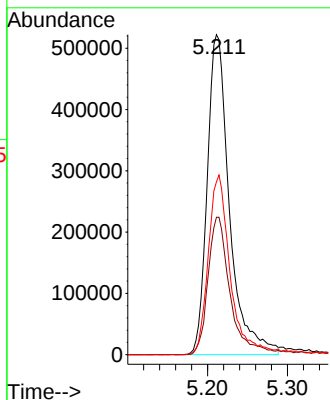
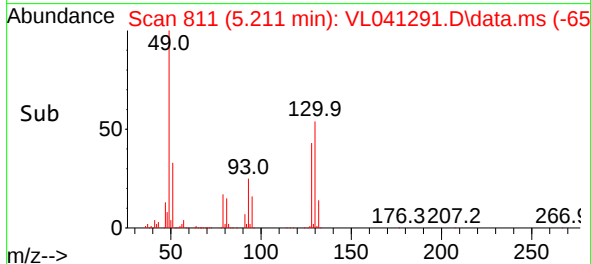
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 49 Resp: 1010094
Ion Ratio Lower Upper
49 100
128 43.2 21.5 64.5
130 57.1 27.2 81.6

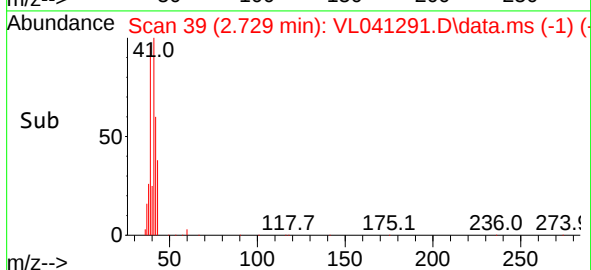
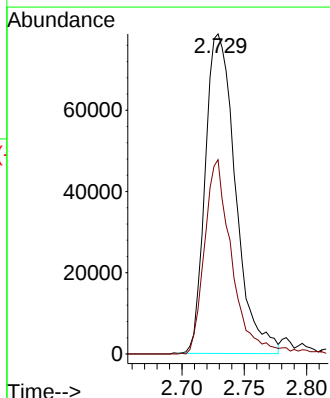
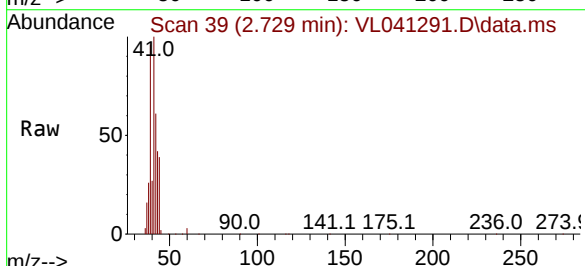
Manual Integrations
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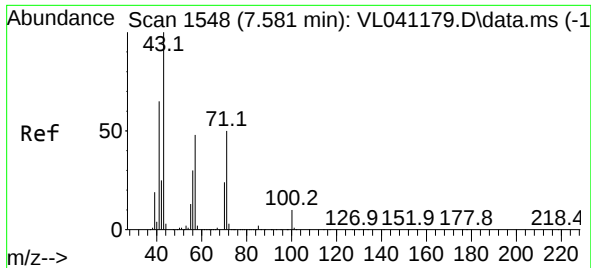
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#9
Propene
Concen: 2.218 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.010 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

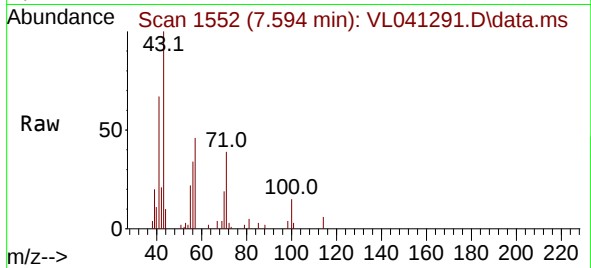
Tgt Ion: 41 Resp: 133172
Ion Ratio Lower Upper
41 100
42 55.5 55.3 82.9





#10
Heptane
Concen: 0.193 ppbv m
RT: 7.594 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

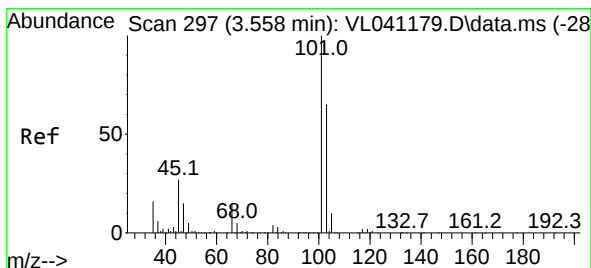
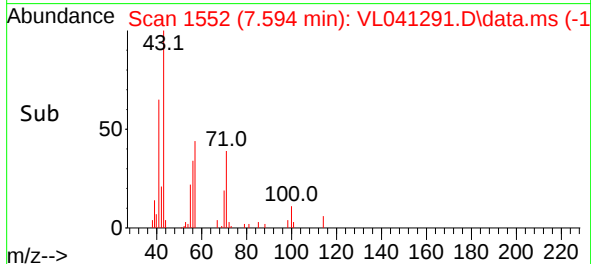
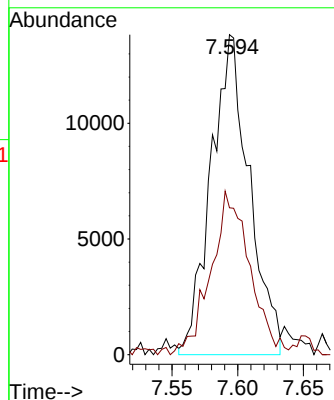
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 43 Resp: 2805
Ion Ratio Lower Upper
43 100
57 54.2 38.7 58.1

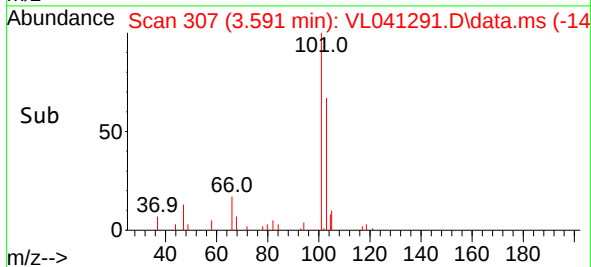
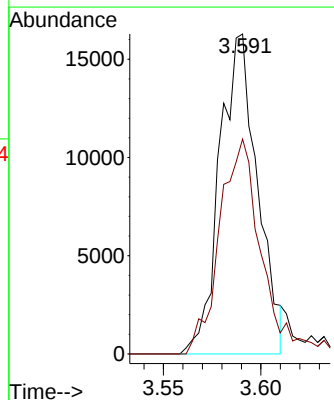
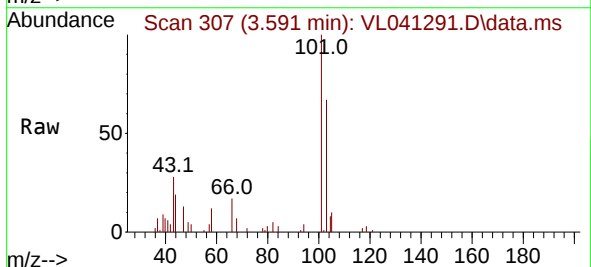
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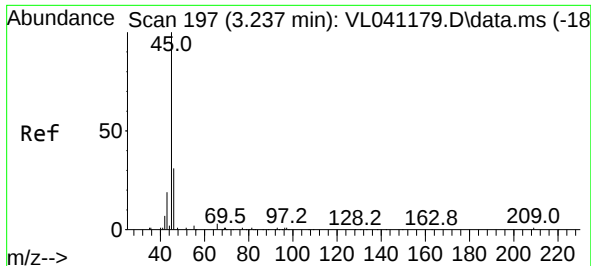
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#11
Trichlorofluoromethane
Concen: 0.158 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.006 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

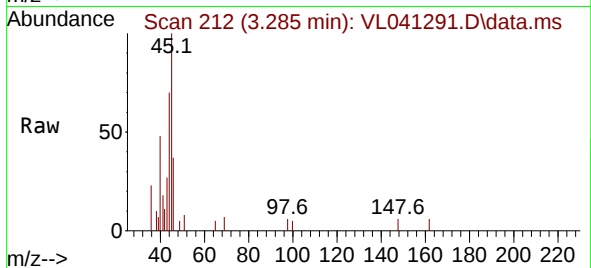
Tgt Ion:101 Resp: 21935
Ion Ratio Lower Upper
101 100
103 67.2 51.6 77.4





#13
Ethanol
Concen: 0.401 ppbv m
RT: 3.285 min Scan# 212
Delta R.T. 0.026 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

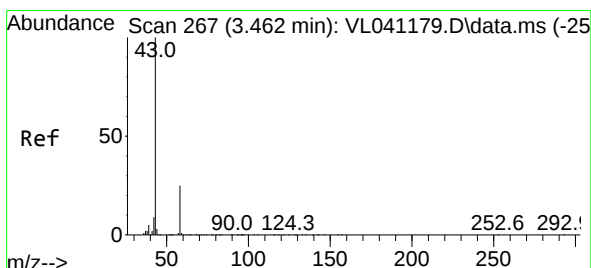
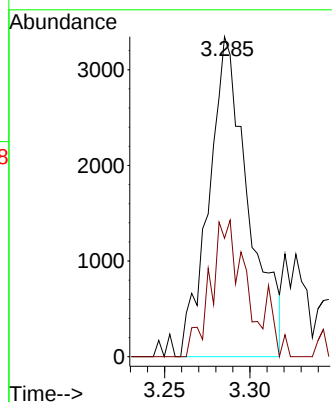
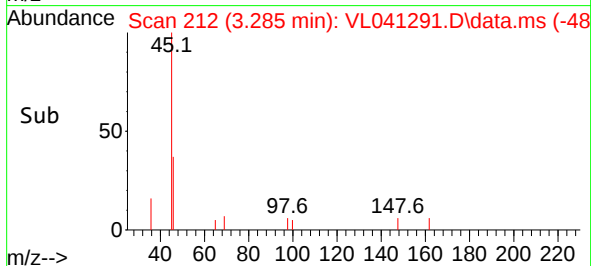
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



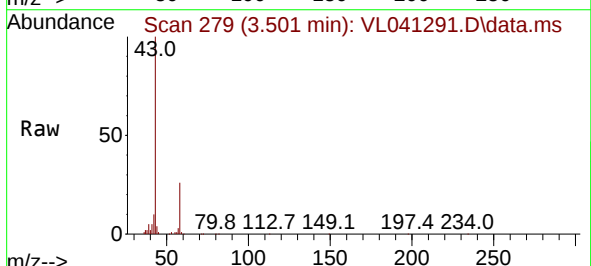
Tgt Ion: 45 Resp: 5394
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.0

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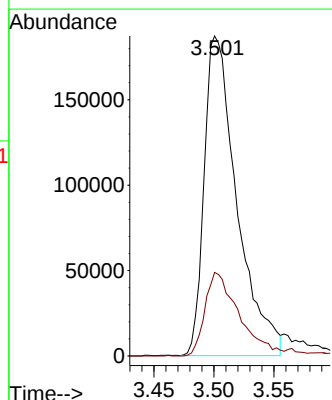
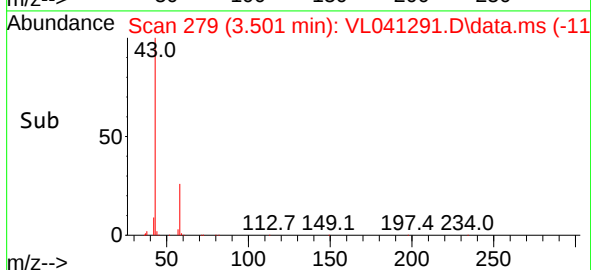
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

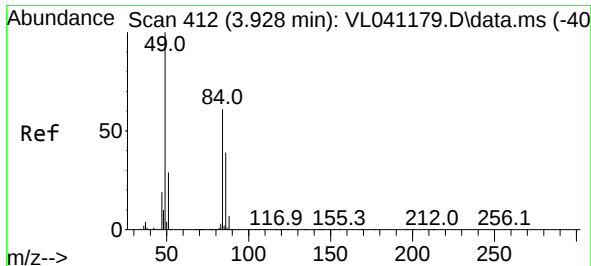


#15
Acetone
Concen: 2.978 ppbv
RT: 3.501 min Scan# 279
Delta R.T. 0.013 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02



Tgt Ion: 43 Resp: 355010
Ion Ratio Lower Upper
43 100
58 29.7 21.4 32.0





#20

Methylene Chloride

Concen: 2.437 ppbv

RT: 3.957 min Scan# 412

Delta R.T. 0.006 min

Lab File: VL041291.D

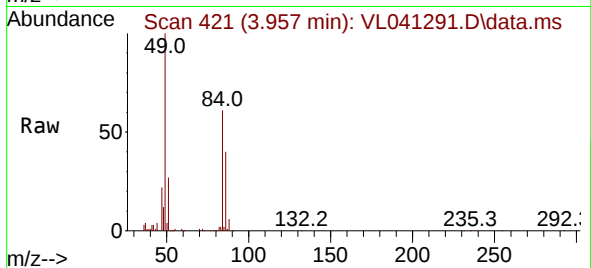
Acq: 24 May 2024 15:02

Instrument :

MSVOA_L

ClientSampleId :

SV3DL



Tgt Ion: 84 Resp: 101039

Ion Ratio Lower Upper

84 100

49 163.7 130.4 195.6

51 43.4 38.0 57.0

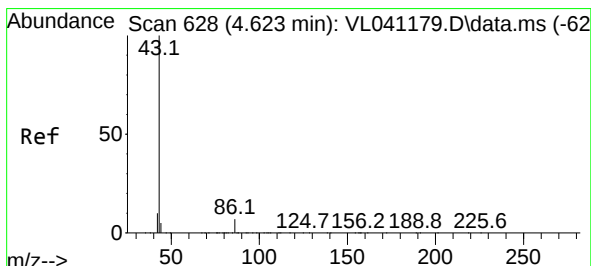
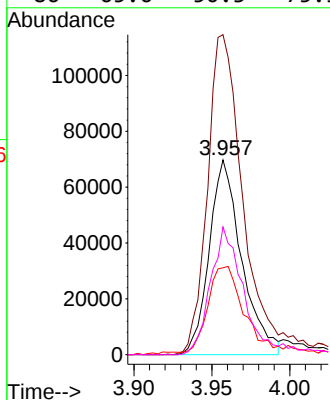
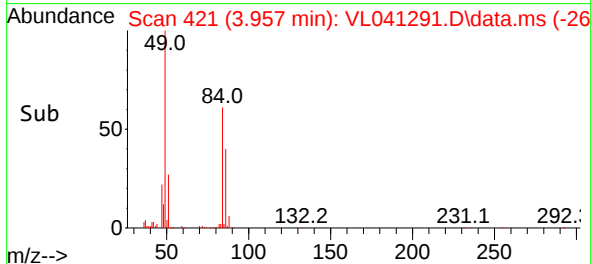
86 65.6 50.3 75.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/28/2024

Supervised By :Mahesh Dadoda 05/28/2024



#23

Vinyl Acetate

Concen: 0.261 ppbv m

RT: 4.674 min Scan# 644

Delta R.T. 0.032 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Tgt Ion: 43 Resp: 34200

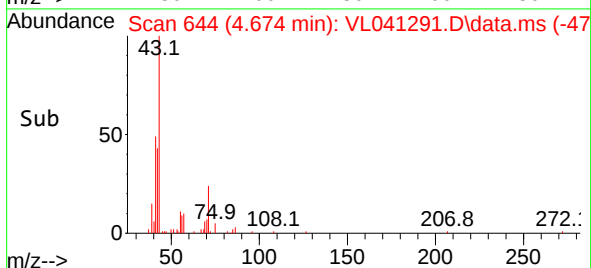
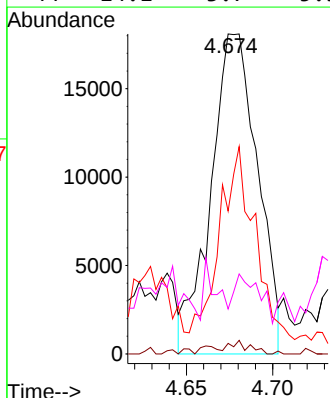
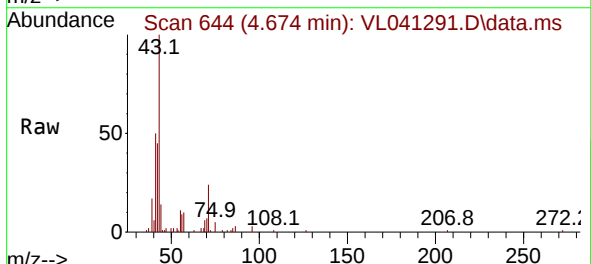
Ion Ratio Lower Upper

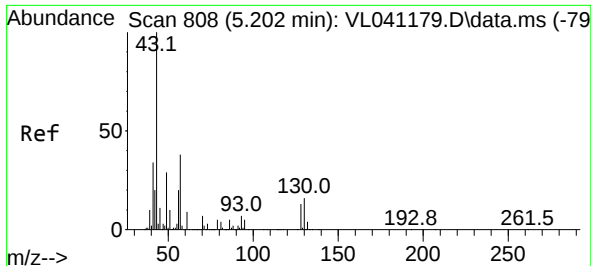
43 100

86 3.3 4.9 7.3#

42 44.6 8.0 12.0#

44 14.1 3.7 5.5#





#25

Ethyl Acetate

Concen: 0.647 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.013 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Instrument :

MSVOA_L

ClientSampleId :

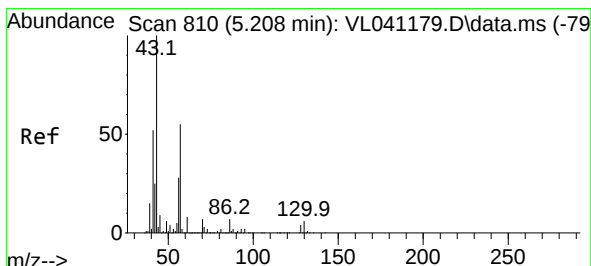
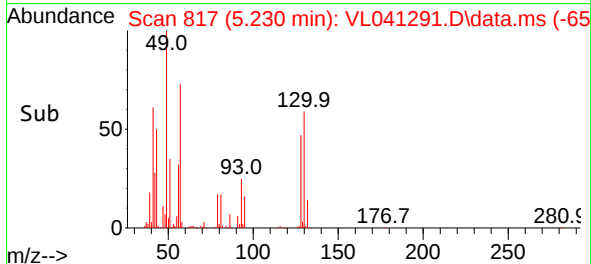
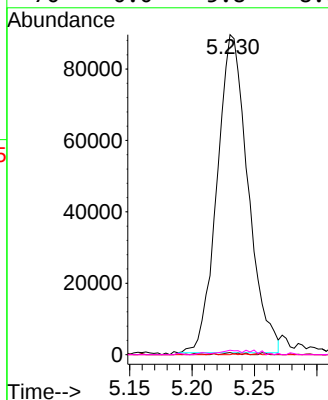
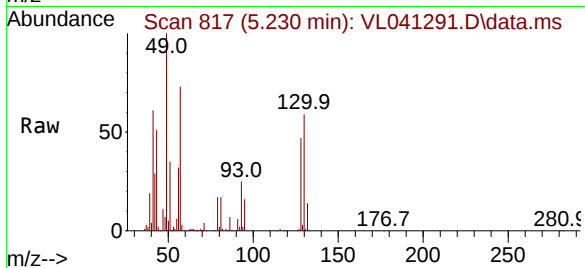
SV3DL

Tgt Ion: 43	Resp: 153930
Ion Ratio	Lower Upper
43 100	
45 0.3	8.2 12.2
61 0.0	7.7 11.5
70 0.0	5.8 8.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#26

Hexane

Concen: 1.999 ppbv

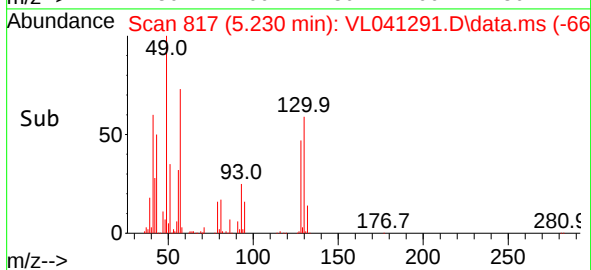
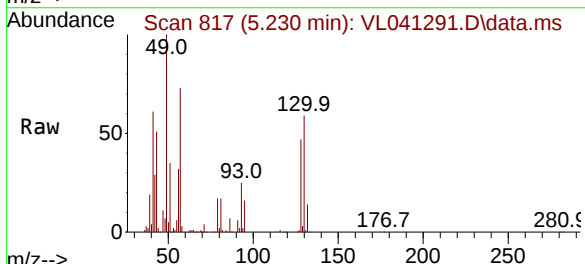
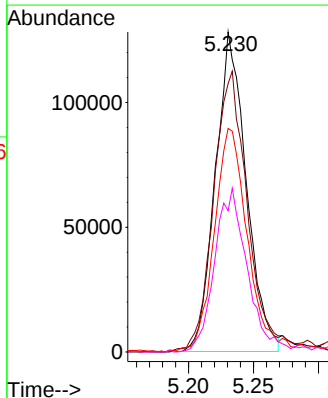
RT: 5.230 min Scan# 817

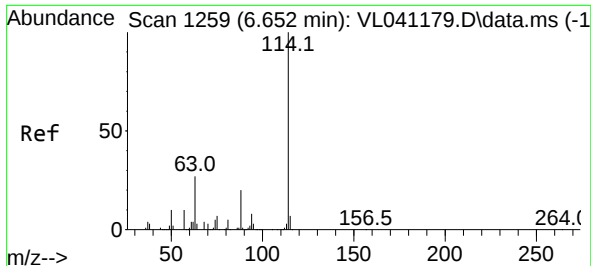
Delta R.T. 0.003 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Tgt Ion: 57	Resp: 212267
Ion Ratio	Lower Upper
57 100	
41 97.9	75.8 113.8
43 76.6	187.0 280.4
56 54.6	42.7 64.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tgt Ion:114 Resp: 261687

Ion Ratio Lower Upper

114 100

63 26.1 21.8 32.6

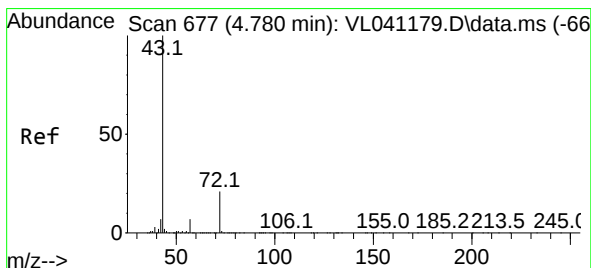
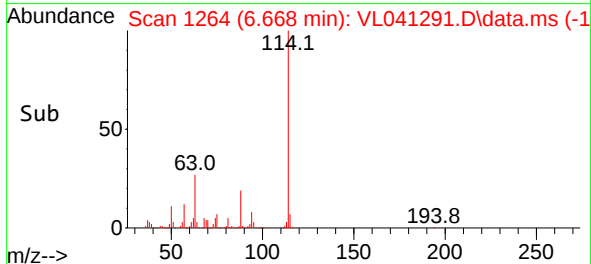
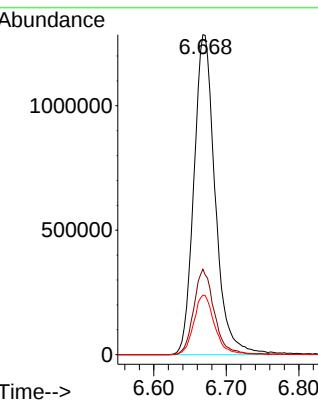
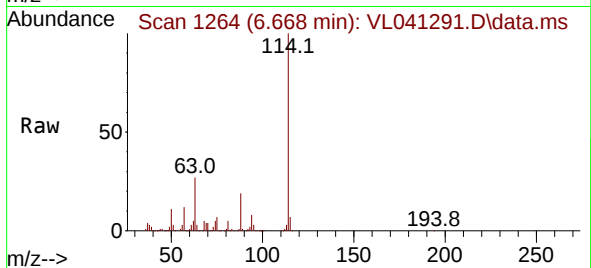
88 18.5 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024

Supervised By :Mahesh Dadoda 05/28/2024



#34

2-Butanone

Concen: 2.443 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.010 min

Lab File: VL041291.D

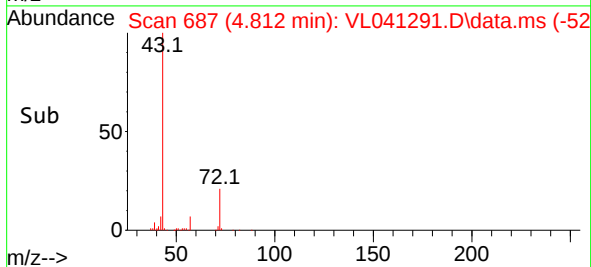
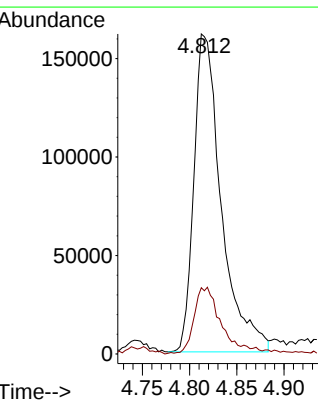
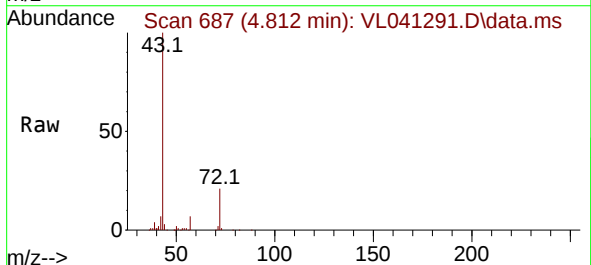
Acq: 24 May 2024 15:02

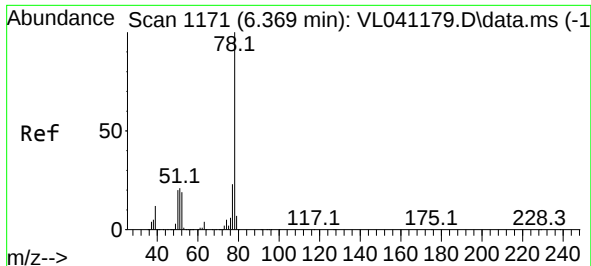
Tgt Ion: 43 Resp: 325435

Ion Ratio Lower Upper

43 100

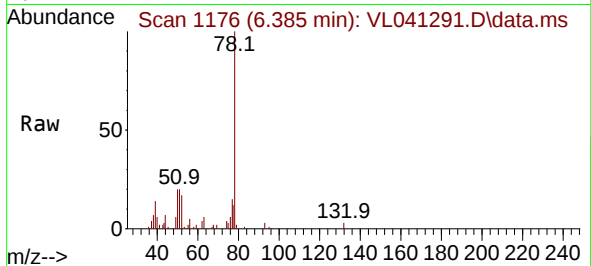
72 22.5 17.3 25.9





#36
Benzene
Concen: 0.100 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

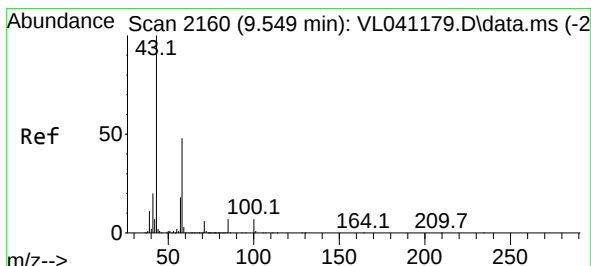
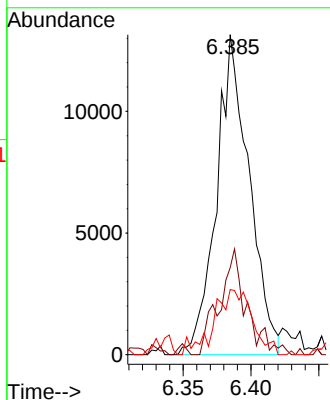
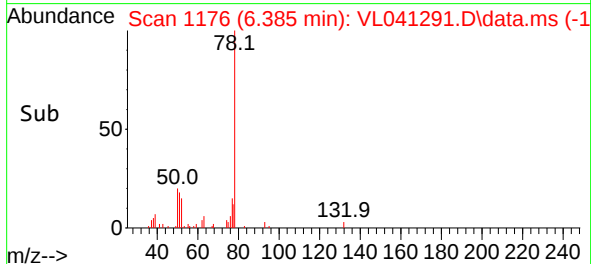
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 78 Resp: 2205
Ion Ratio Lower Upper
78 100
77 25.9 18.3 27.5
50 20.8 15.9 23.9

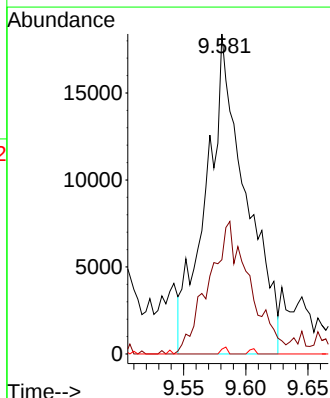
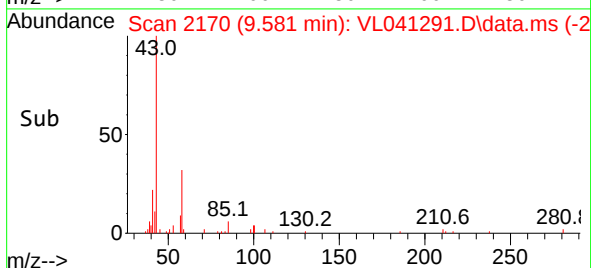
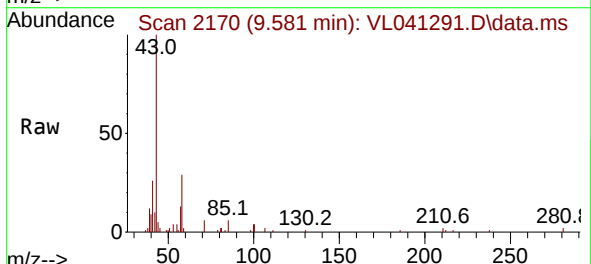
Manual Integrations
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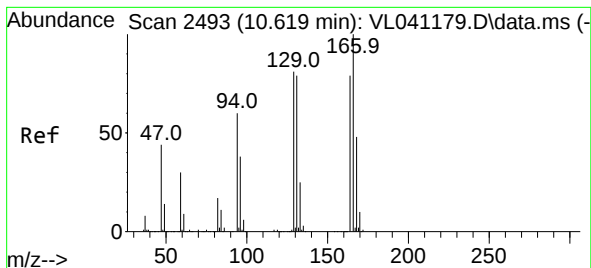
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#51
2-Hexanone
Concen: 0.231 ppbv m
RT: 9.581 min Scan# 2170
Delta R.T. 0.023 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

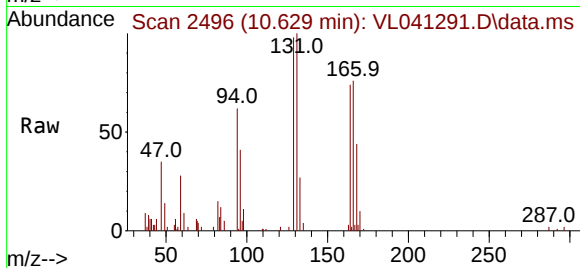
Tgt Ion: 43 Resp: 41001
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.0 0.0 0.0





#52
Tetrachloroethene
Concen: 0.275 ppbv m
RT: 10.629 min Scan# 2493
Delta R.T. 0.006 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

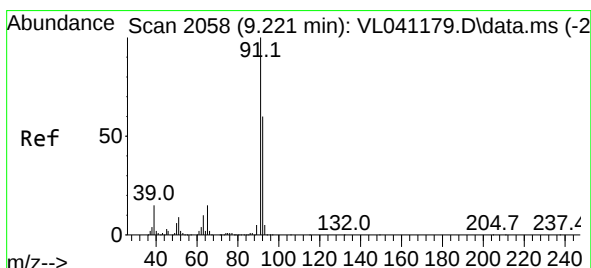
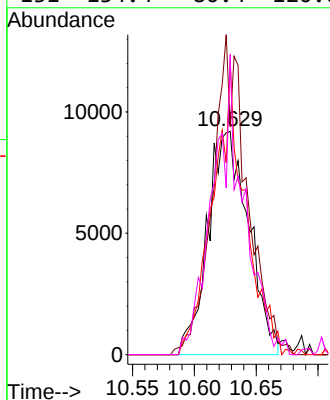
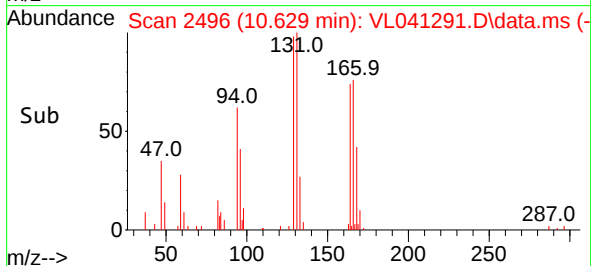
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:164 Resp: 21210
Ion Ratio Lower Upper
164 100
166 102.1 101.1 151.7
129 131.5 81.7 122.5
131 134.4 80.4 120.6#

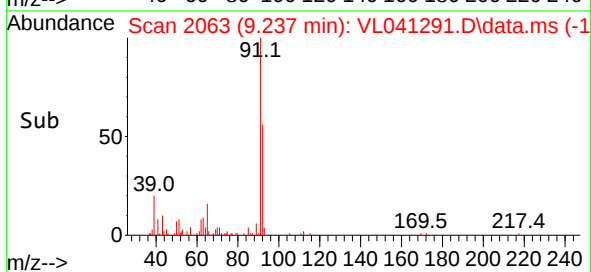
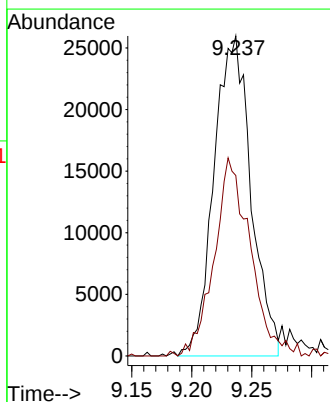
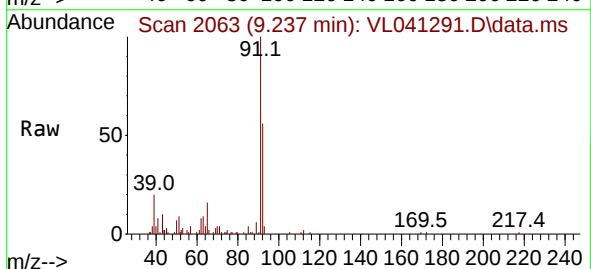
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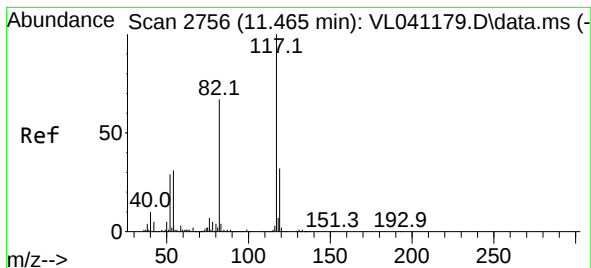
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#53
Toluene
Concen: 0.219 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.007 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

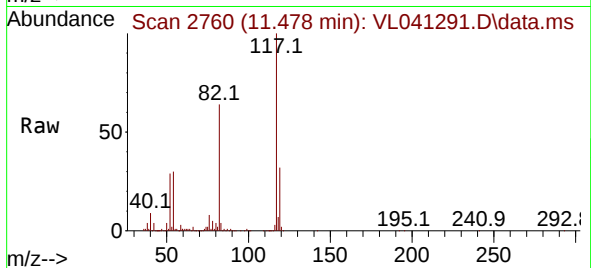
Tgt Ion: 91 Resp: 55651
Ion Ratio Lower Upper
91 100
92 60.9 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 211
Delta R.T. 0.007 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

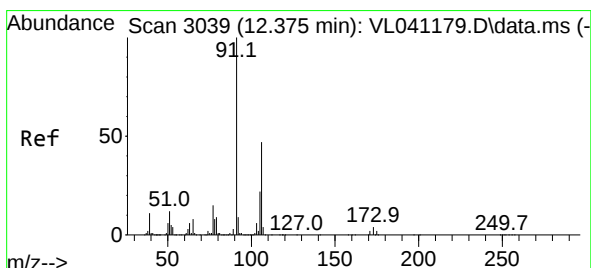
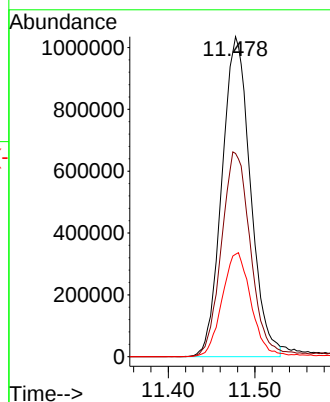
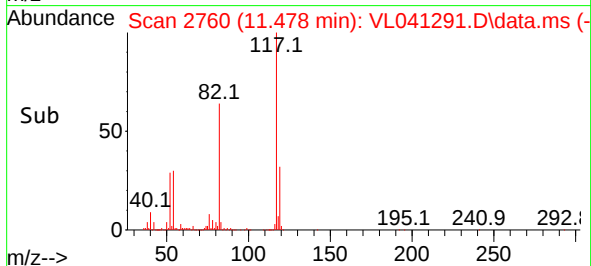
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:117 Resp: 236511
Ion Ratio Lower Upper
117 100
82 67.9 53.6 80.4
119 33.6 27.2 40.8

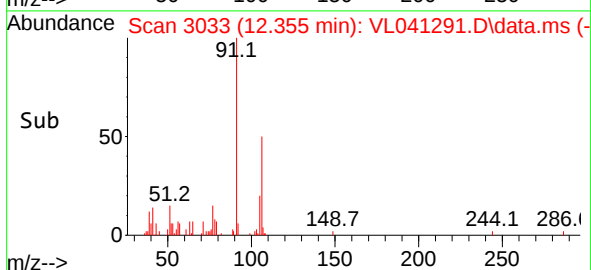
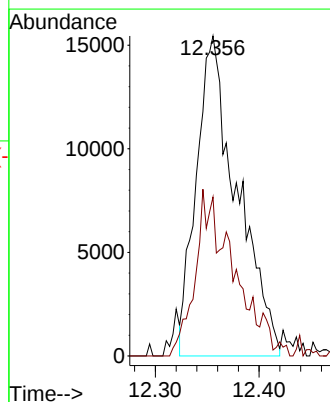
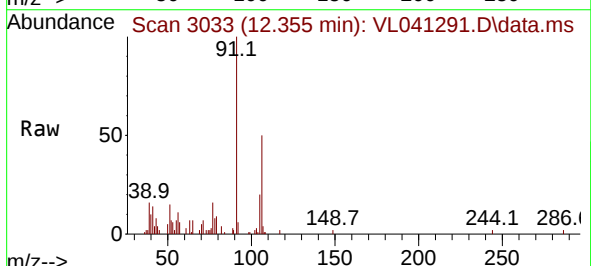
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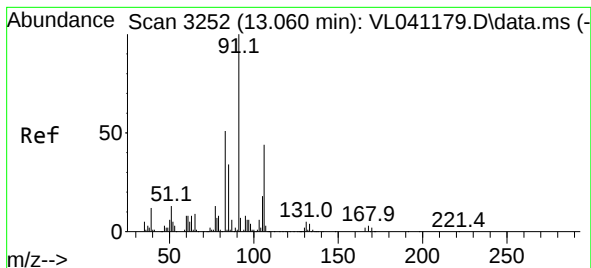
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#59
m/p-Xylene
Concen: 0.155 ppbv m
RT: 12.355 min Scan# 3033
Delta R.T. -0.022 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

Tgt Ion: 91 Resp: 42190
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#





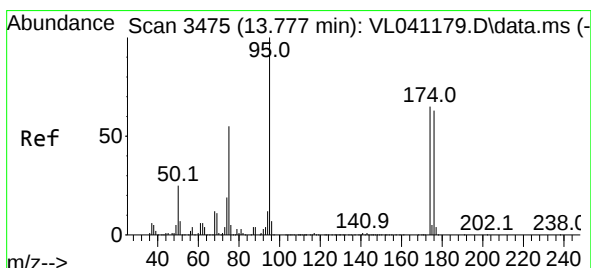
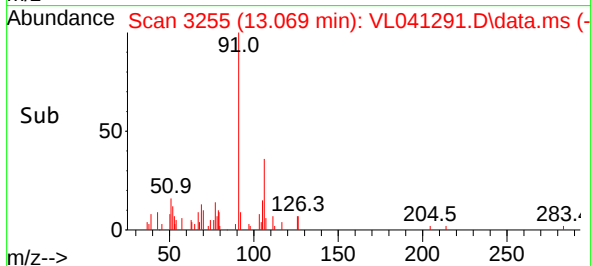
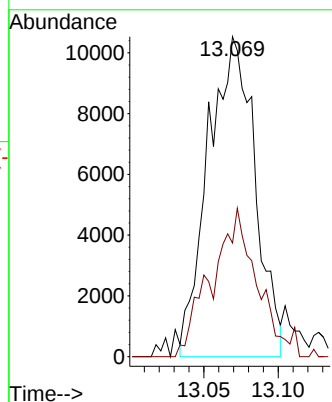
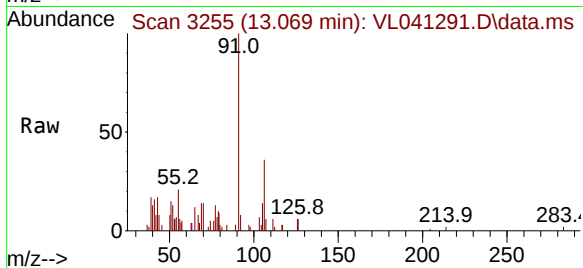
#60
o-Xylene
Concen: 0.090 ppbv m
RT: 13.069 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 23040
Ion Ratio Lower Upper
91 100
106 45.3 22.4 67.3

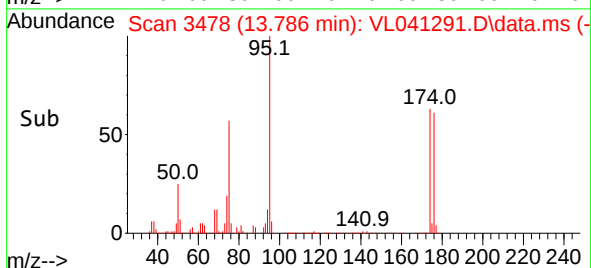
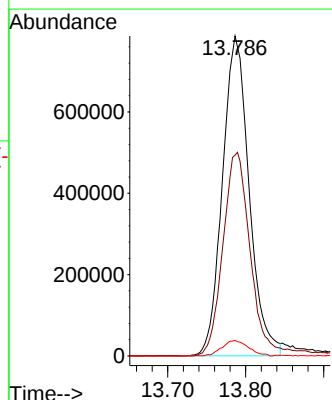
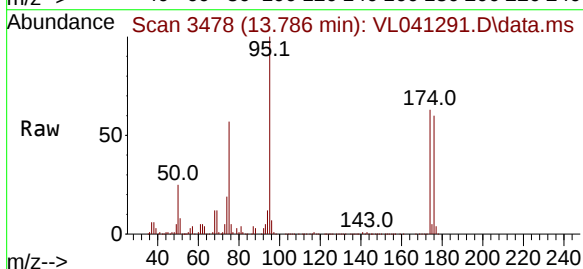
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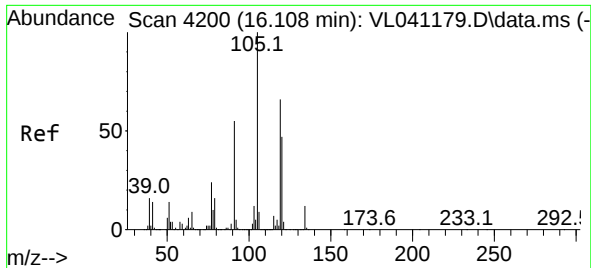
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.484 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.006 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

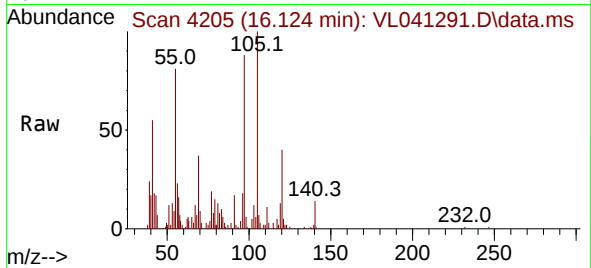
Tgt Ion: 95 Resp: 1871907
Ion Ratio Lower Upper
95 100
174 68.1 53.6 80.4
175 5.0 4.2 6.4





#74
1,2,4-Trimethylbenzene
Concen: 0.138 ppbv m
RT: 16.124 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:	105	Resp:	3945
Ion	Ratio	Lower	Upper
105	100		
120	39.7	37.8	56.6
91	17.2	44.3	66.5
77	18.9	19.0	28.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

