

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040391.D
 Acq On : 19 Apr 2023 22:23
 Operator : SY/MD
 Sample : 02410-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02-20230417DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/20/2023
 Supervised By : Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 07:49:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1126682	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	2958913	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.455	117	2686141	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2135574	9.614	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						
9) Propene	2.681	41	330525m	5.683	ppbv	Qvalue
11) Trichlorofluoromethane	3.542	101	13469	0.065	ppbv #	77
15) Acetone	3.469	43	325813	2.042	ppbv	90
20) Methylene Chloride	3.909	84	17759	0.279	ppbv	87
26) Hexane	5.198	57	111864	0.988	ppbv #	38
27) Carbon Disulfide	4.108	76	17151	0.117	ppbv #	69
30) Cyclohexane	6.587	84	24476m	0.279	ppbv	
34) 2-Butanone	4.787	43	101984	0.639	ppbv	97
36) Benzene	6.356	78	99008	0.410	ppbv	99
53) Toluene	9.208	91	61346	0.240	ppbv	98
58) Ethyl Benzene	12.079	91	26487m	0.080	ppbv	
59) m/p-Xylene	12.336	91	57555m	0.189	ppbv	
60) o-Xylene	13.050	91	38750	0.133	ppbv	93
73) 1,3,5-Trimethylbenzene	15.346	105	38422m	0.129	ppbv	
74) 1,2,4-Trimethylbenzene	16.095	105	44024m	0.130	ppbv	

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

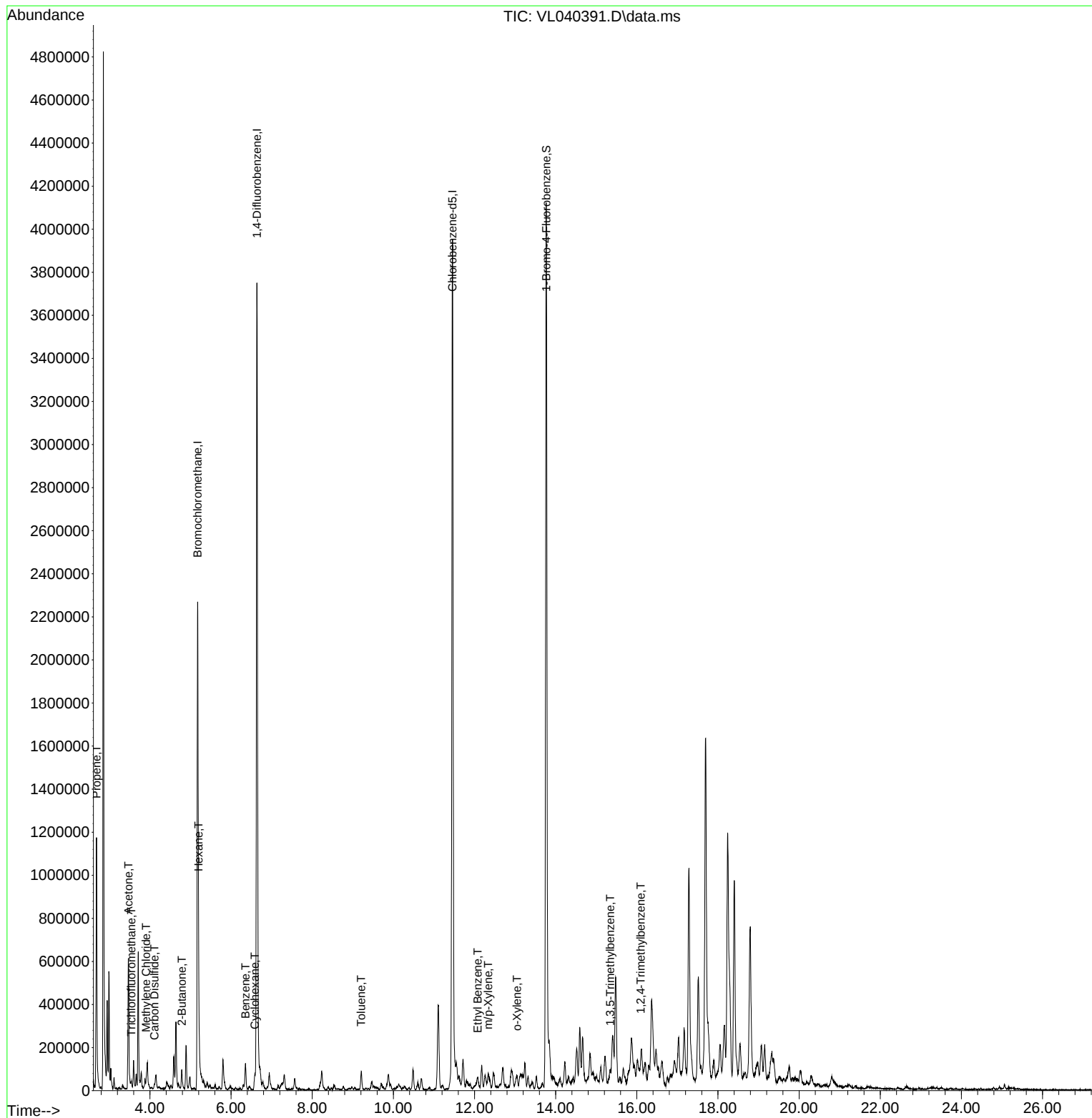
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040391.D
Acq On : 19 Apr 2023 22:23
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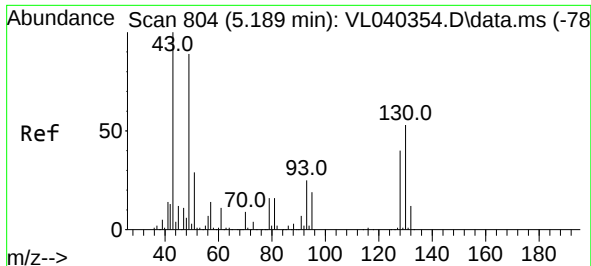
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230417DL

Quant Time: Apr 20 07:49:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

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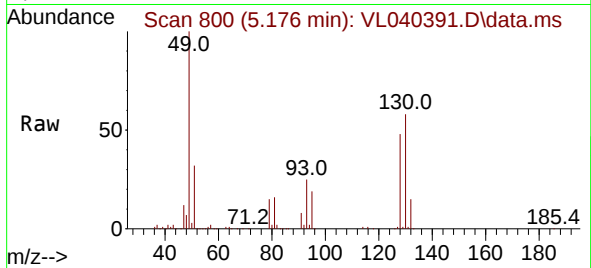
Reviewed By : Semsettin Yesilyurt 04/20/2023
Supervised By : Mahesh Dadoda 04/22/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 804
Delta R.T. -0.013 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

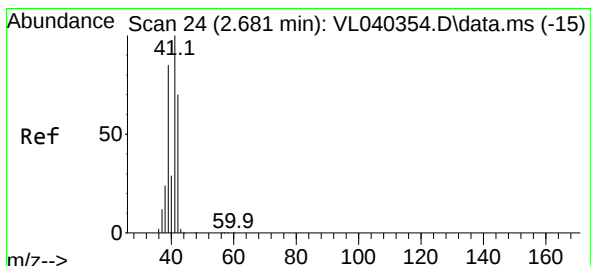
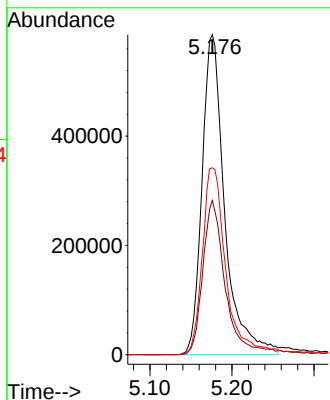
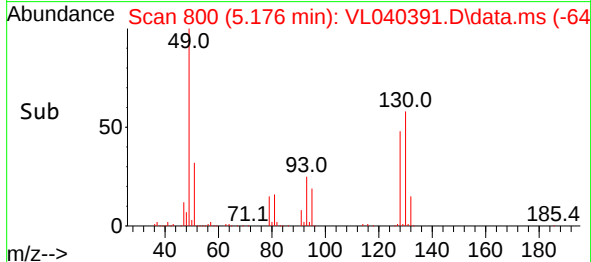
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230417DL



Tgt Ion: 49 Resp: 112668
Ion Ratio Lower Upper
49 100
128 48.3 23.7 71.1
130 63.4 29.9 89.8

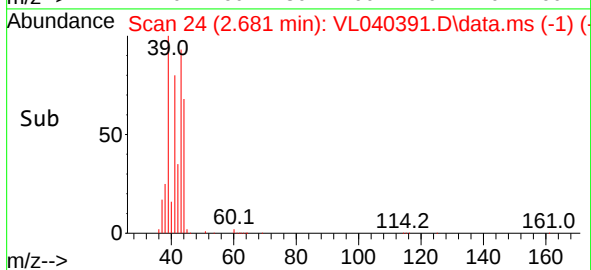
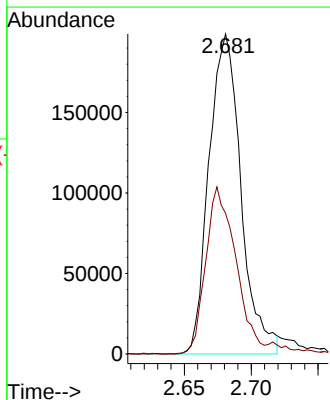
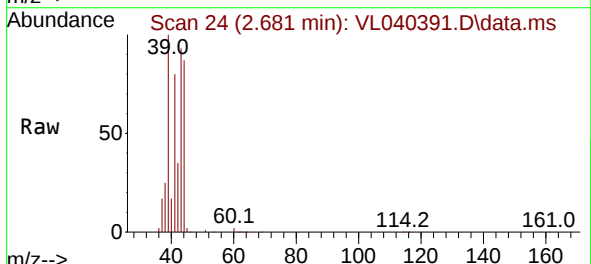
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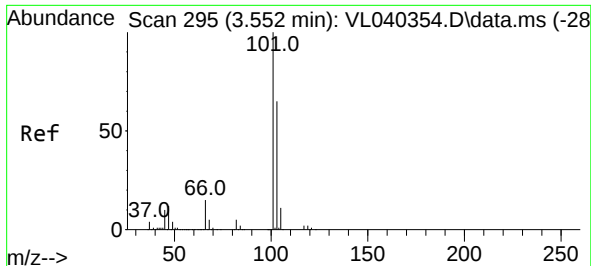
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#9
Propene
Concen: 5.683 ppbv m
RT: 2.681 min Scan# 24
Delta R.T. -0.000 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

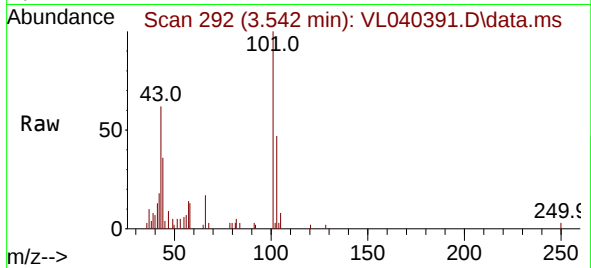
Tgt Ion: 41 Resp: 330525
Ion Ratio Lower Upper
41 100
42 276.1 56.5 84.7#





#11
Trichlorofluoromethane
Concen: 0.065 ppbv
RT: 3.542 min Scan# 249
Delta R.T. -0.010 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

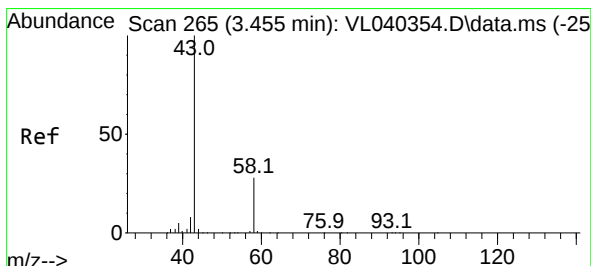
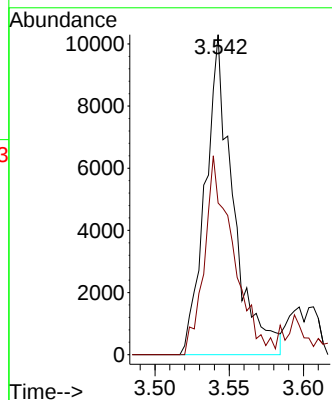
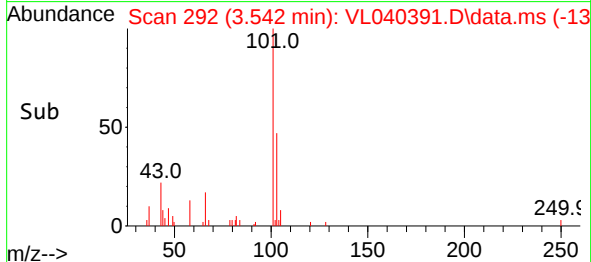
Instrument :
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ClientSampleId :
SV-02-20230417DL



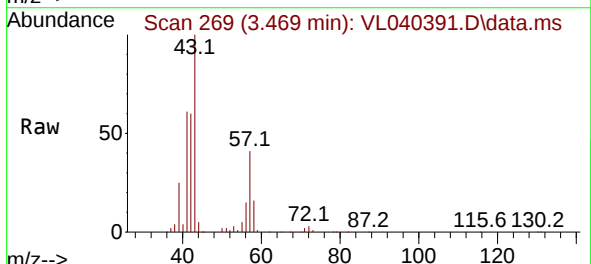
Tgt Ion:101 Resp: 13469
Ion Ratio Lower Upper
101 100
103 47.4 52.2 78.4

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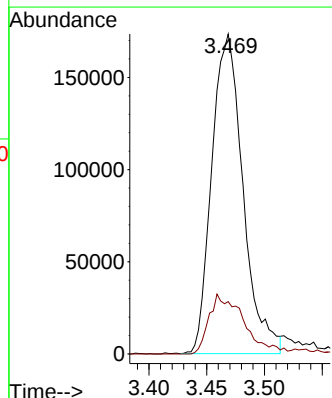
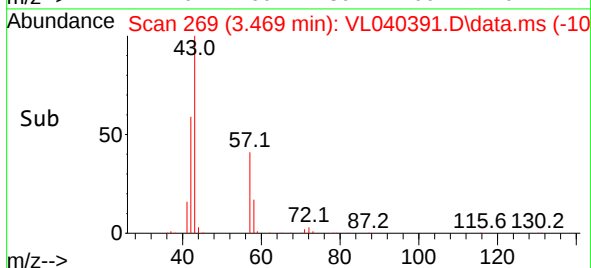
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

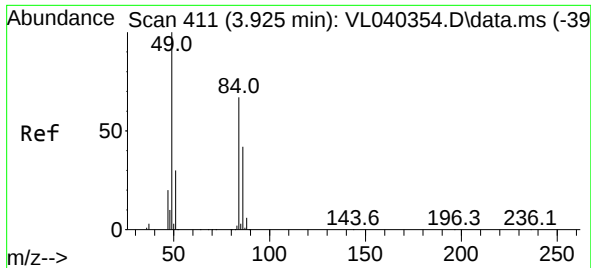


#15
Acetone
Concen: 2.042 ppbv
RT: 3.469 min Scan# 269
Delta R.T. 0.014 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23



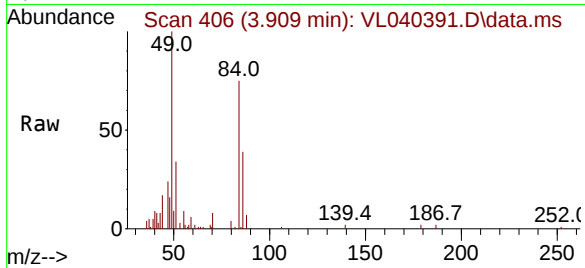
Tgt Ion: 43 Resp: 325813
Ion Ratio Lower Upper
43 100
58 22.6 22.2 33.2





#20
Methylene Chloride
Concen: 0.279 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.016 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

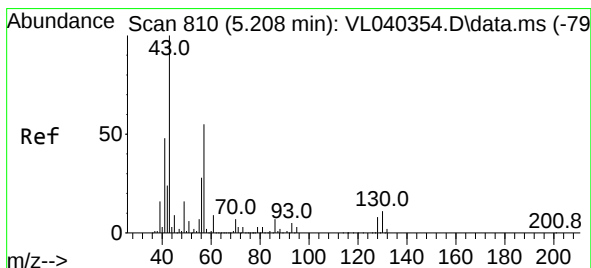
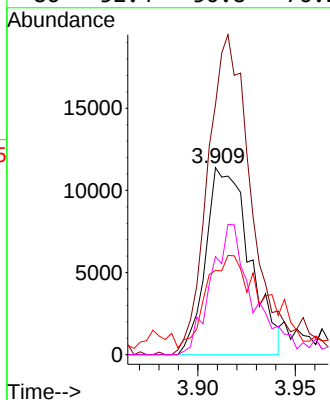
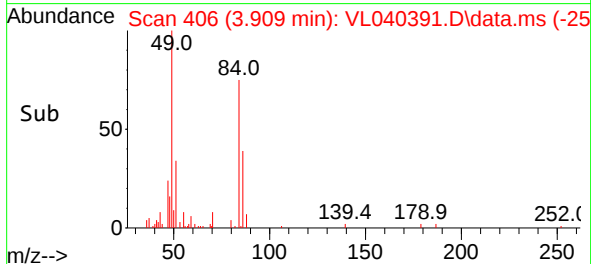
Instrument :
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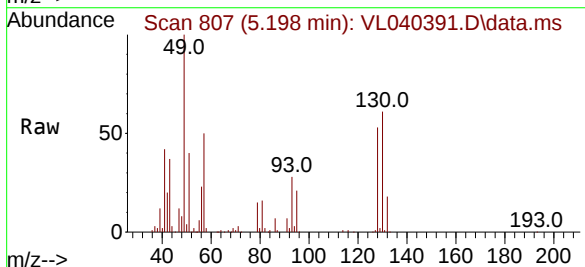
Tgt Ion: 84 Resp: 17759
Ion Ratio Lower Upper
84 100
49 131.0 120.1 180.1
51 41.3 36.3 54.5
86 52.4 50.8 76.2

Manual Integrations
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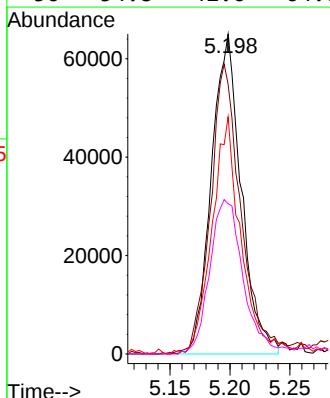
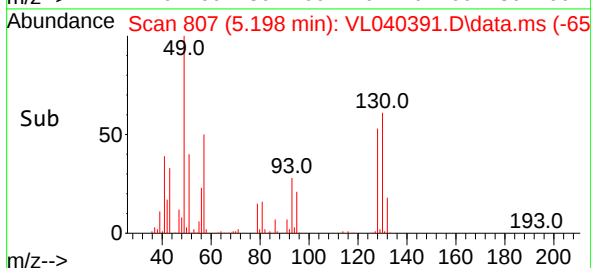
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

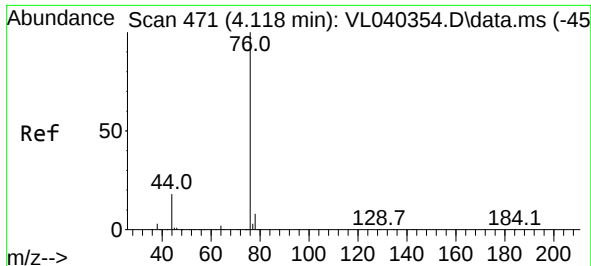


#26
Hexane
Concen: 0.988 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23



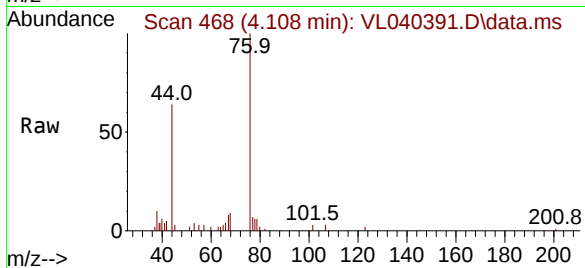
Tgt Ion: 57 Resp: 111864
Ion Ratio Lower Upper
57 100
41 94.7 74.8 112.2
43 73.7 192.7 289.1#
56 54.8 42.6 64.0





#27
Carbon Disulfide
Concen: 0.117 ppbv
RT: 4.108 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

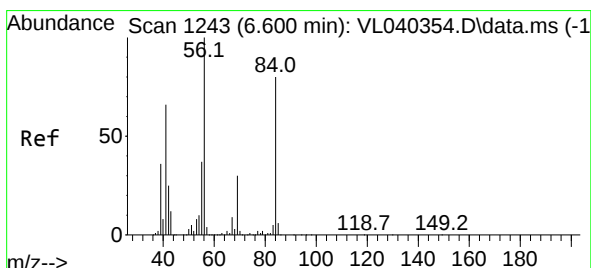
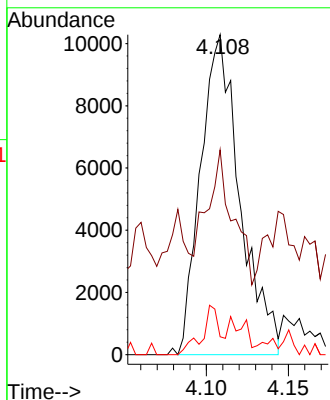
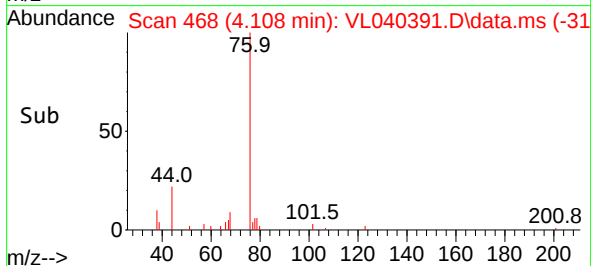
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230417DL



Tgt Ion: 76 Resp: 1715
Ion Ratio Lower Upper
76 100
44 38.1 14.7 22.1
78 11.9 7.7 11.5

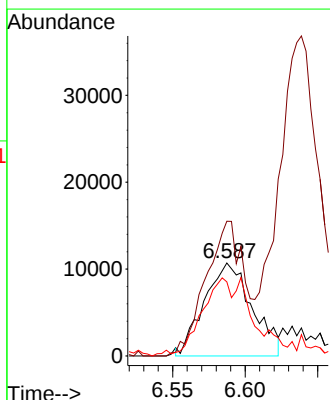
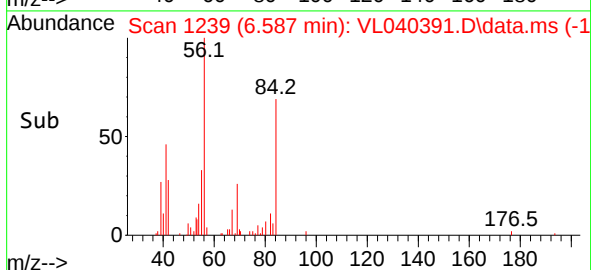
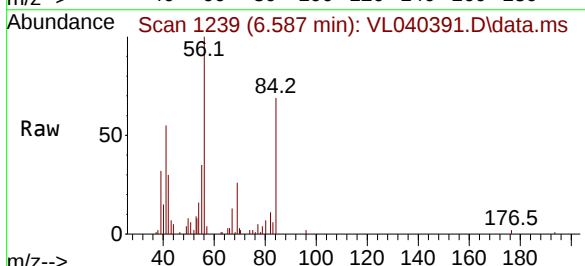
Manual Integrations
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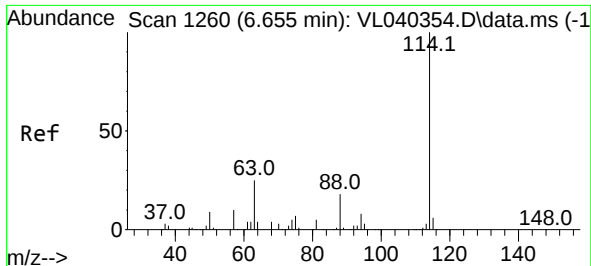
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#30
Cyclohexane
Concen: 0.279 ppbv m
RT: 6.587 min Scan# 1239
Delta R.T. -0.013 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

Tgt Ion: 84 Resp: 24476
Ion Ratio Lower Upper
84 100
56 117.5 107.0 160.6
41 0.0 66.7 100.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.016 min

Lab File: VL040391.D

Acq: 19 Apr 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

SV-02-20230417DL

Tgt Ion:114 Resp: 295891

Ion Ratio Lower Upper

114 100

63 24.7 21.4 32.0

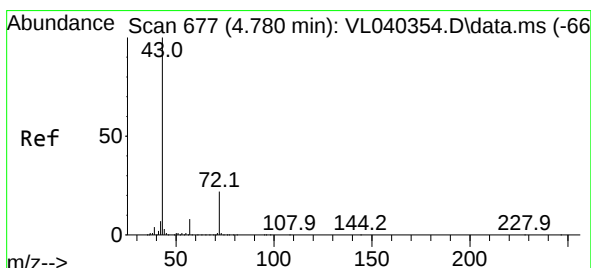
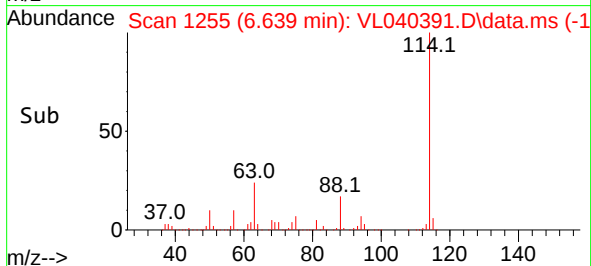
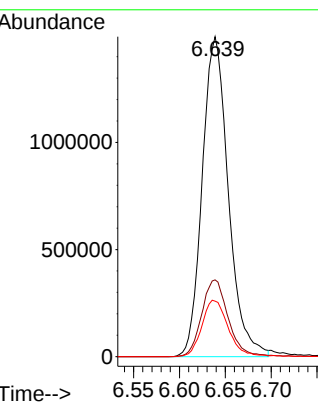
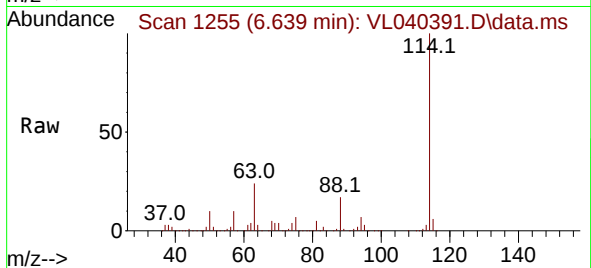
88 18.1 14.6 22.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#34

2-Butanone

Concen: 0.639 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.007 min

Lab File: VL040391.D

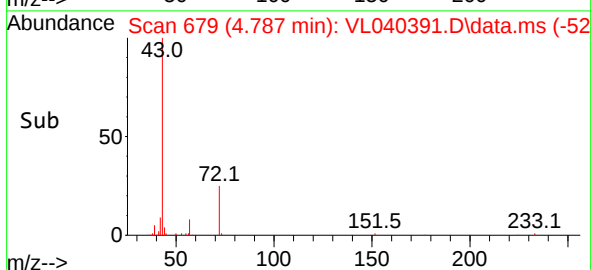
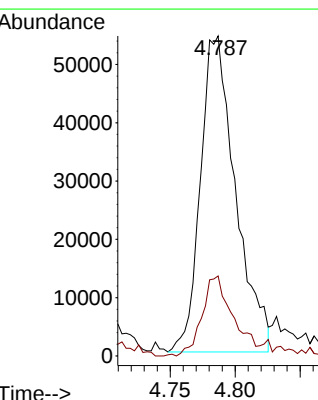
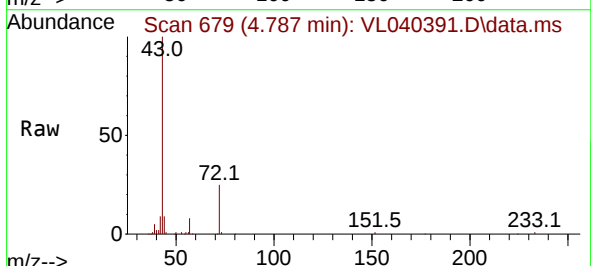
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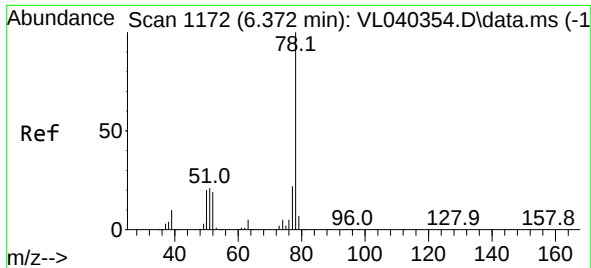
Tgt Ion: 43 Resp: 101984

Ion Ratio Lower Upper

43 100

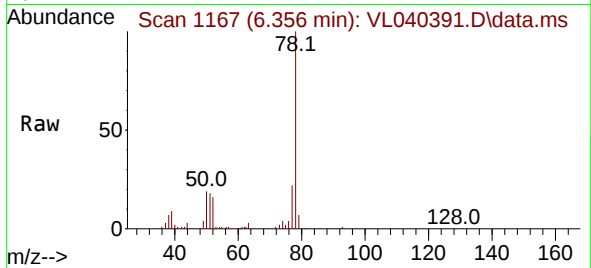
72 24.7 18.4 27.6





#36
Benzene
Concen: 0.410 ppbv
RT: 6.356 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

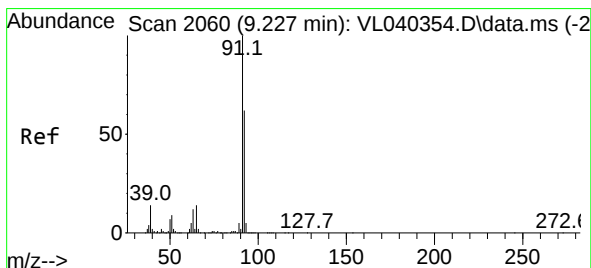
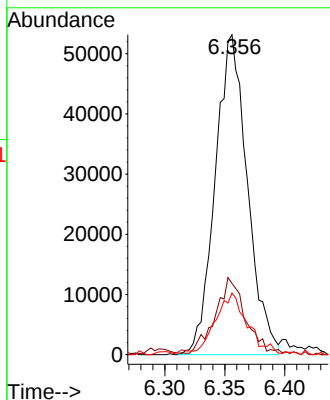
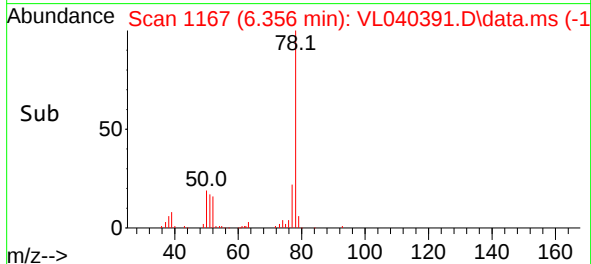
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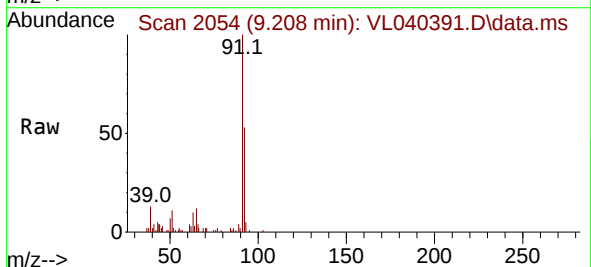
Tgt Ion: 78 Resp: 99008
Ion Ratio Lower Upper
78 100
77 21.9 17.8 26.8
50 18.7 15.6 23.4

Manual Integrations
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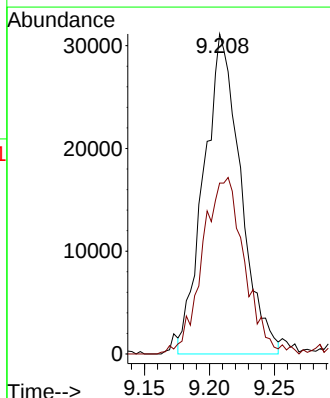
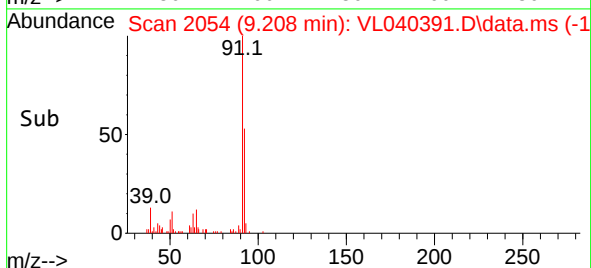
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

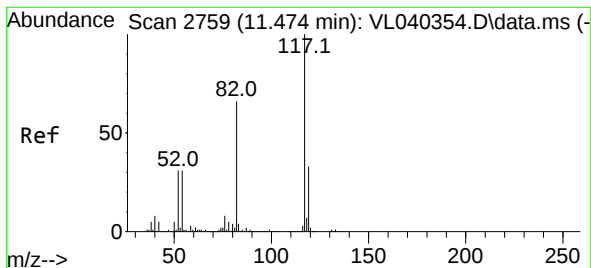


#53
Toluene
Concen: 0.240 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. -0.019 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23



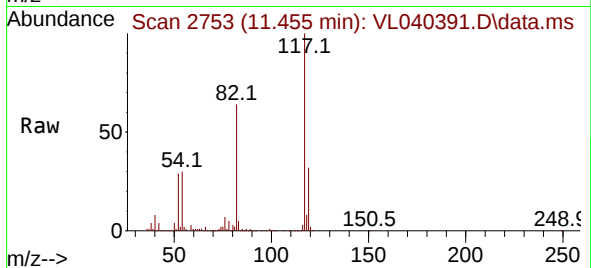
Tgt Ion: 91 Resp: 61346
Ion Ratio Lower Upper
91 100
92 62.9 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

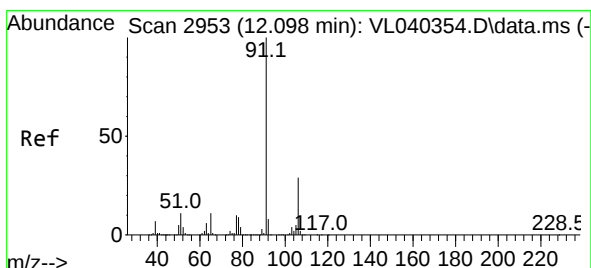
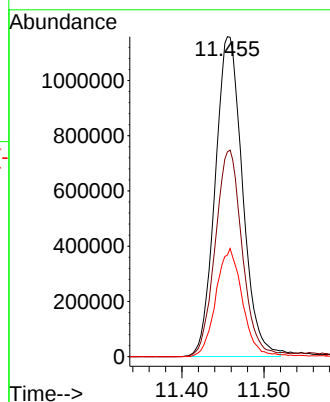
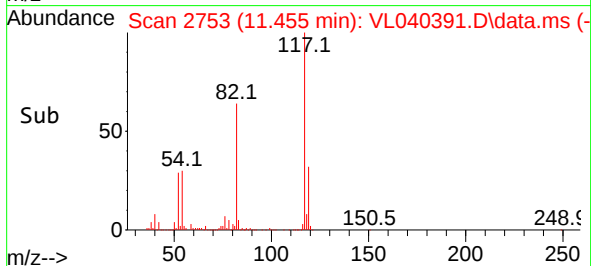
Instrument :
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SV-02-20230417DL



Tgt Ion:117 Resp: 268614
Ion Ratio Lower Upper
117 100
82 64.2 52.5 78.7
119 33.3 24.3 36.5

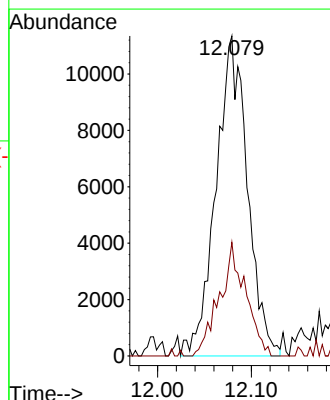
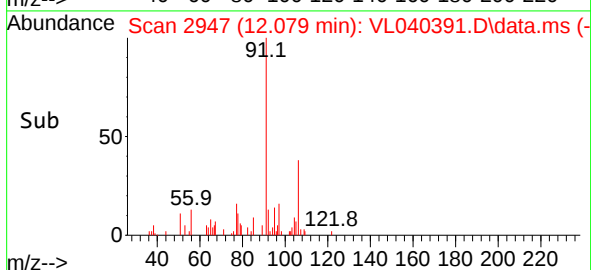
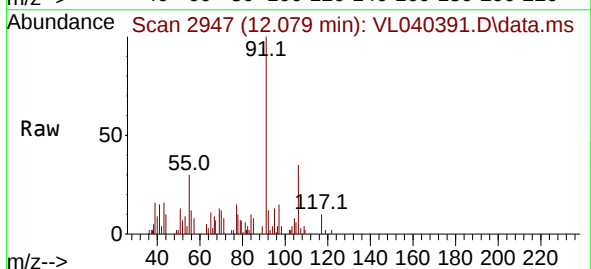
Manual Integrations
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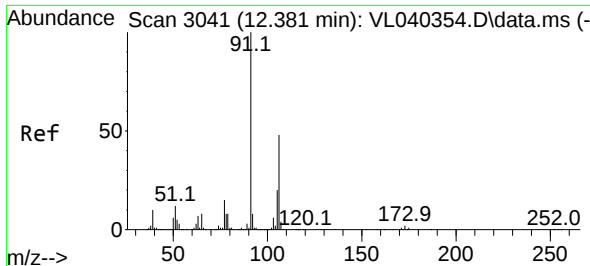
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#58
Ethyl Benzene
Concen: 0.080 ppbv m
RT: 12.079 min Scan# 2947
Delta R.T. -0.019 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

Tgt Ion: 91 Resp: 26487
Ion Ratio Lower Upper
91 100
106 35.5 23.5 35.3#





#59

m/p-Xylene

Concen: 0.189 ppbv m

RT: 12.336 min Scan# 3041

Delta R.T. -0.045 min

Lab File: VL040391.D

Acq: 19 Apr 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

SV-02-20230417DL

Tgt Ion: 91 Resp: 5755

Ion Ratio Lower Upper

91 100

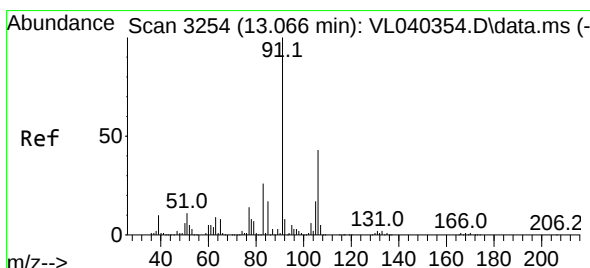
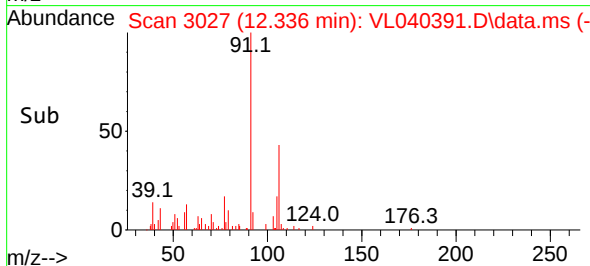
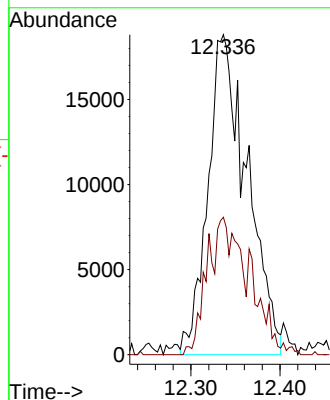
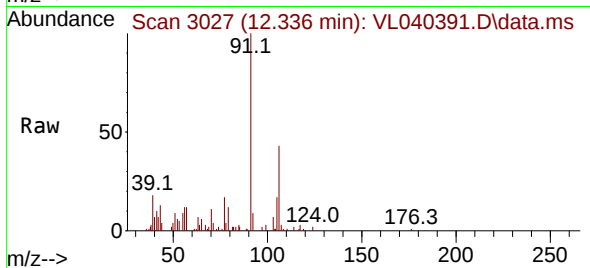
106 0.0 34.7 52.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#60

o-Xylene

Concen: 0.133 ppbv

RT: 13.050 min Scan# 3249

Delta R.T. -0.016 min

Lab File: VL040391.D

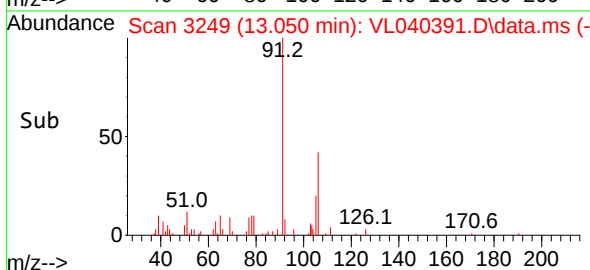
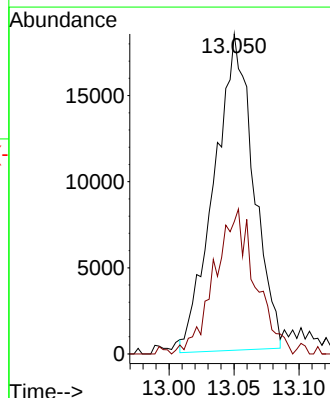
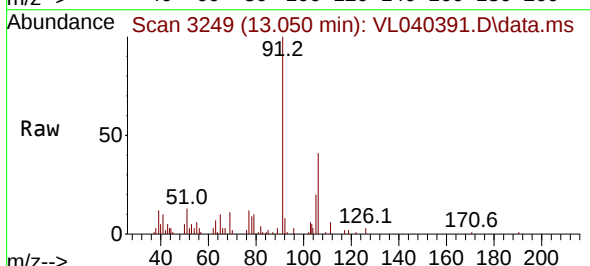
Acq: 19 Apr 2023 22:23

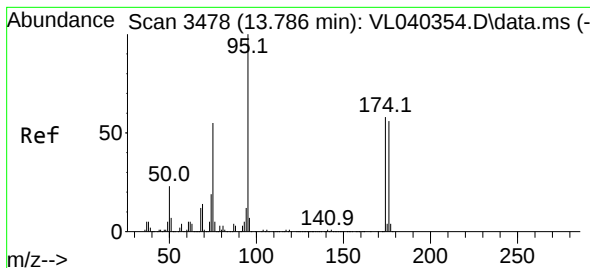
Tgt Ion: 91 Resp: 38750

Ion Ratio Lower Upper

91 100

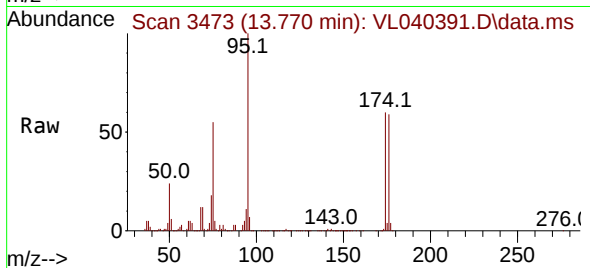
106 48.6 21.9 65.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.614 ppbv
RT: 13.770 min Scan# 3478
Delta R.T. -0.016 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

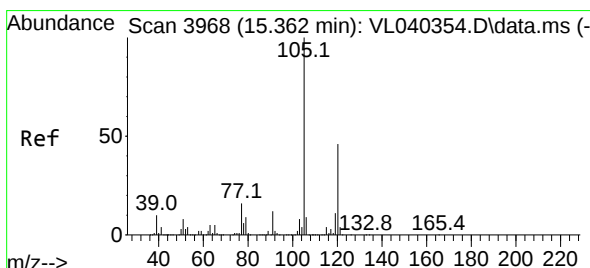
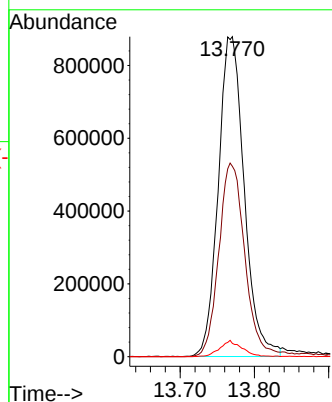
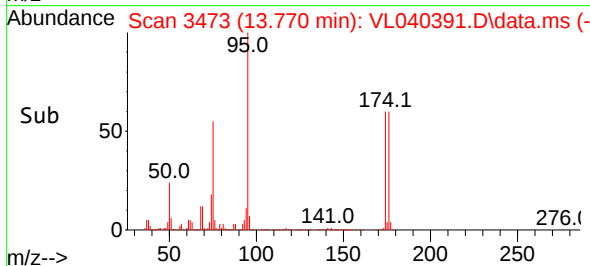
Instrument :
MSVOA_L
ClientSampleId :
SV-02-20230417DL



Tgt Ion: 95 Resp: 2135574
Ion Ratio Lower Upper
95 100
174 60.9 47.2 70.8
175 4.4 3.5 5.3

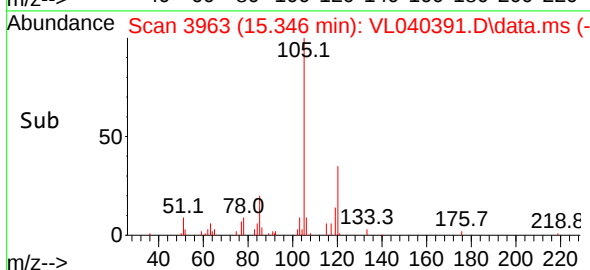
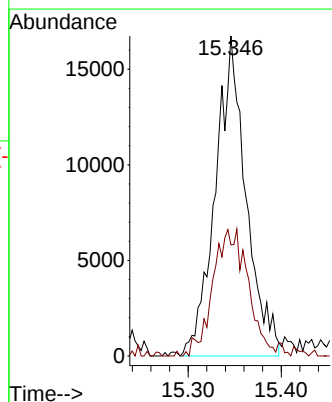
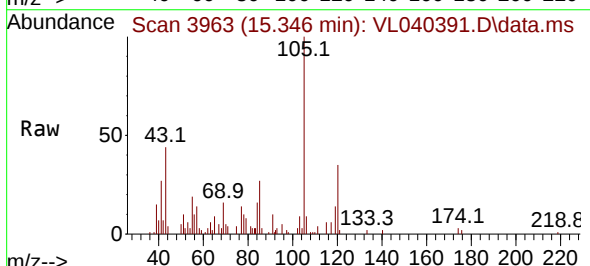
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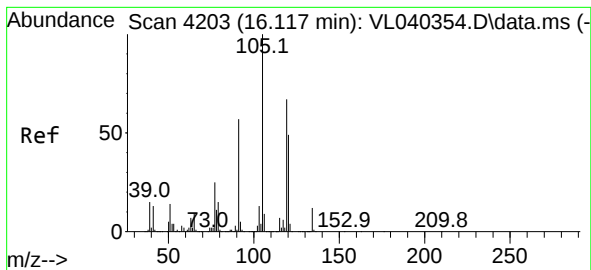
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#73
1,3,5-Trimethylbenzene
Concen: 0.129 ppbv m
RT: 15.346 min Scan# 3963
Delta R.T. -0.016 min
Lab File: VL040391.D
Acq: 19 Apr 2023 22:23

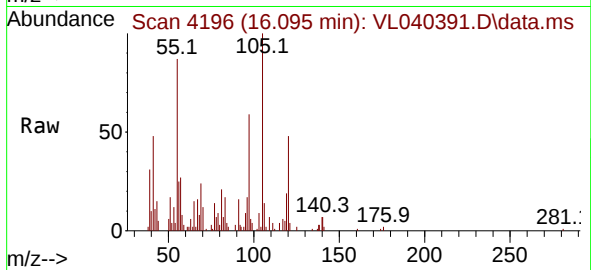
Tgt Ion:105 Resp: 38422
Ion Ratio Lower Upper
105 100
120 34.7 36.9 55.3#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.130 ppbv m
 RT: 16.095 min Scan# 4196
 Delta R.T. -0.022 min
 Lab File: VL040391.D
 Acq: 19 Apr 2023 22:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02-20230417DL



Tgt Ion:	105	Resp:	44024
Ion	Ratio	Lower	Upper
105	100		
120	48.1	38.9	58.3
91	16.1	46.0	69.0
77	14.2	20.0	30.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

