

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040294.D
 Acq On : 16 Mar 2023 13:50
 Operator : SY/MD
 Sample : 01933-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 04:14:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1175989	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3078689	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2809671	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2304062	9.793	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						Qvalue
13) Ethanol	3.234	45	769590	185.223	ppbv	100
15) Acetone	3.465	43	477382	3.334	ppbv	97
20) Methylene Chloride	3.928	84	810368	13.455	ppbv	95
26) Hexane	5.211	57	461000	4.190	ppbv #	40
34) 2-Butanone	4.787	43	177712	1.170	ppbv	97
36) Benzene	6.365	78	47520	0.203	ppbv	97
41) Tetrahydrofuran	5.565	42	28252	0.322	ppbv	91
44) 2,2,4-Trimethylpentane	7.323	57	334083	0.854	ppbv	92
52) Tetrachloroethene	10.616	164	21290	0.300	ppbv #	80
53) Toluene	9.220	91	936205	3.808	ppbv	99
58) Ethyl Benzene	12.092	91	213453	0.667	ppbv	98
59) m/p-Xylene	12.346	91	759079	2.590	ppbv	94
60) o-Xylene	13.056	91	290165	1.036	ppbv	99
64) n-propylbenzene	14.918	120	13601m	0.139	ppbv	
72) 4-Ethyltoluene	15.191	105	84678	0.276	ppbv	97
73) 1,3,5-Trimethylbenzene	15.346	105	66062m	0.238	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	257680	0.814	ppbv #	71

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

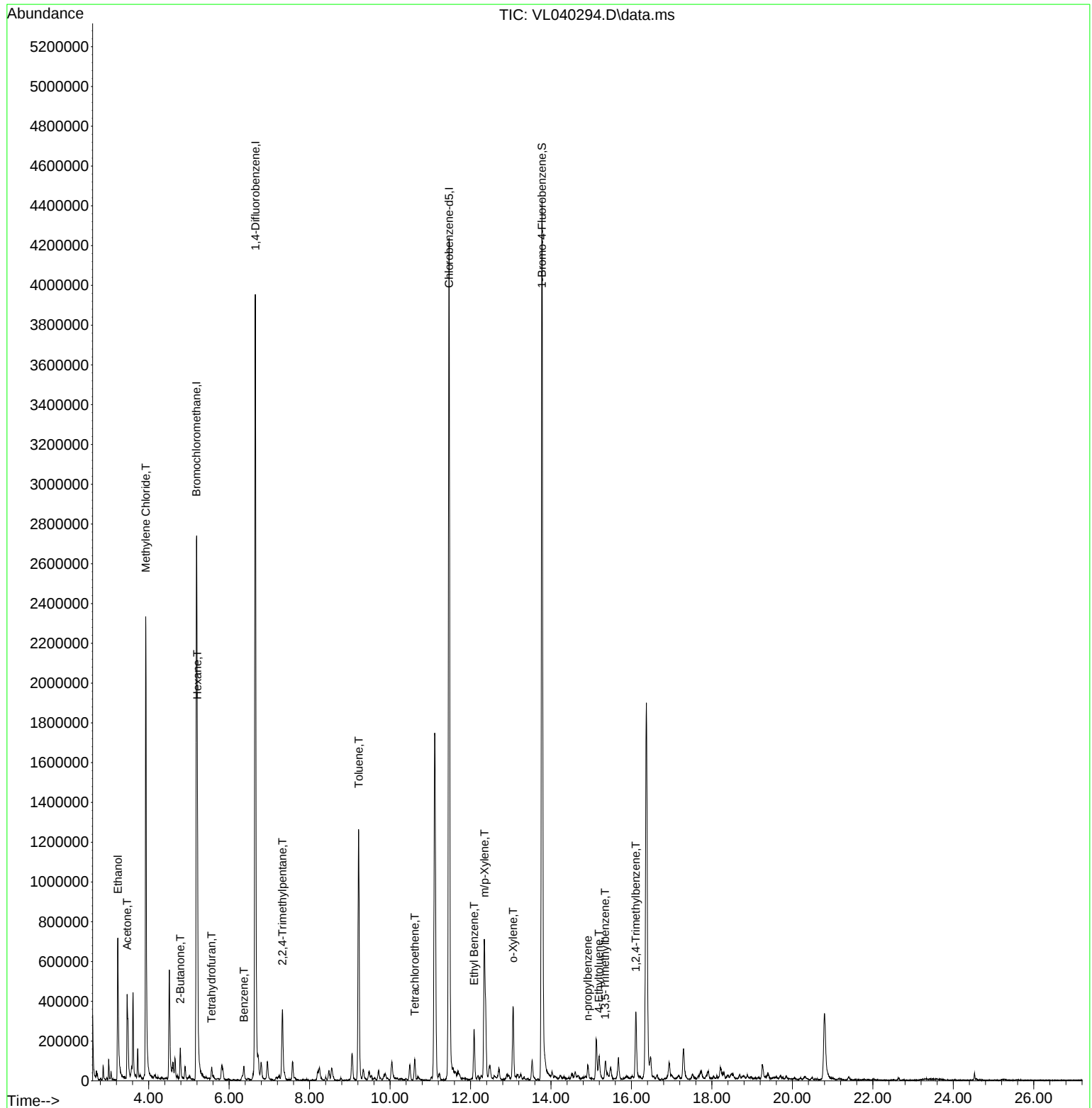
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
Data File : VL040294.D
Acq On : 16 Mar 2023 13:50
Operator : SY/MD
Sample : 01933-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

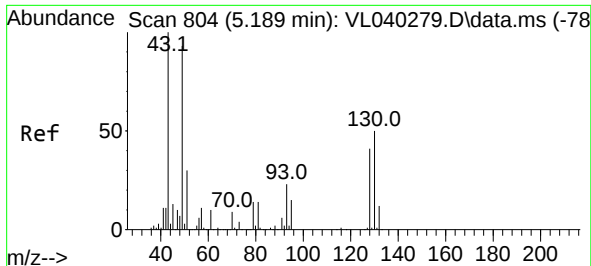
Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Quant Time: Mar 17 04:14:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

Manual Integrations
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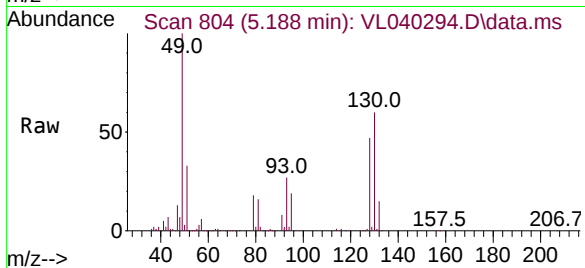
Reviewed By : Semsettin Yesilyurt 03/17/2023
Supervised By : Mahesh Dadoda 03/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 804
Delta R.T. -0.001 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

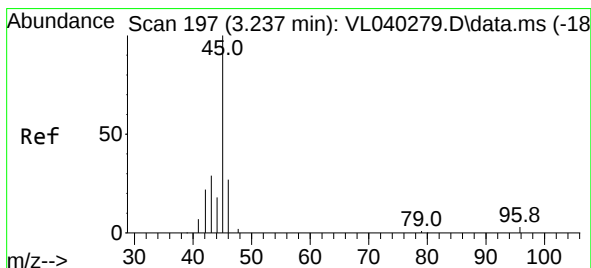
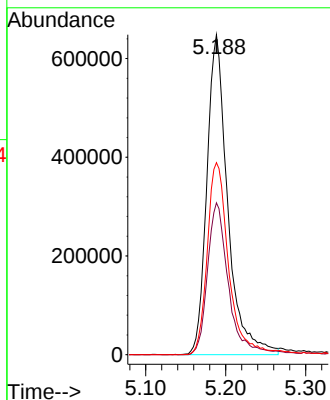
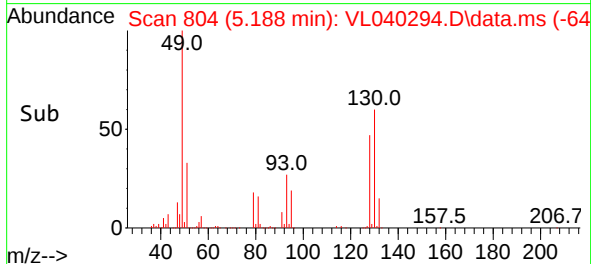
Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL



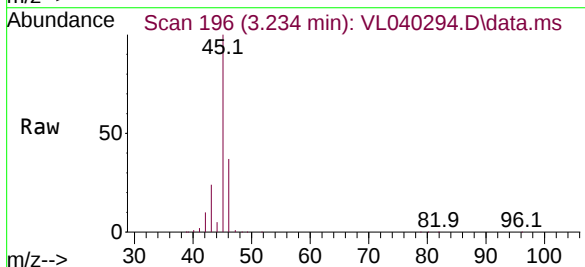
Tgt Ion: 49 Resp: 1175989
Ion Ratio Lower Upper
49 100
128 47.9 22.4 67.3
130 63.1 28.7 86.1

Manual Integrations
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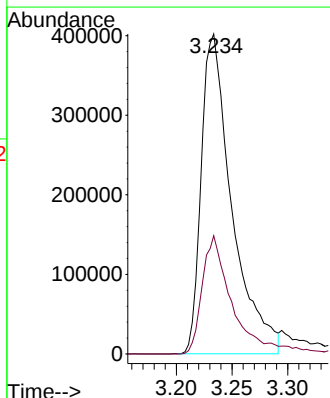
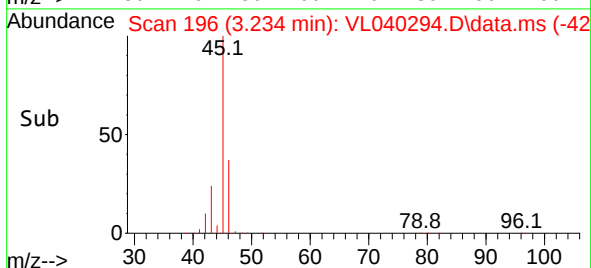
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

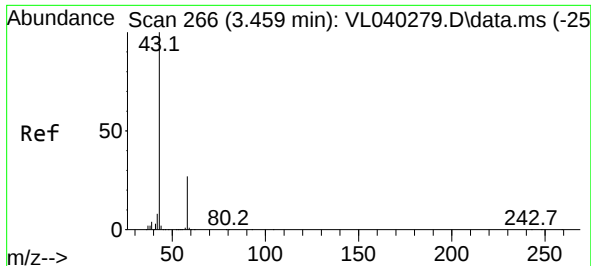


#13
Ethanol
Concen: 185.223 ppbv
RT: 3.234 min Scan# 196
Delta R.T. -0.003 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50



Tgt Ion: 45 Resp: 769590
Ion Ratio Lower Upper
45 100
46 37.8 15.0 60.2





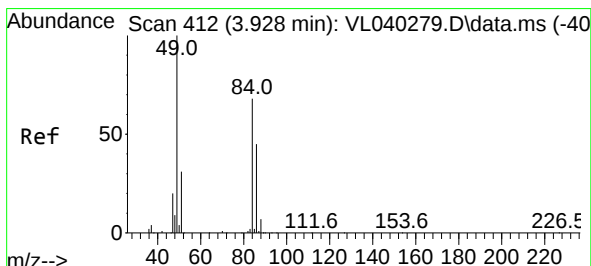
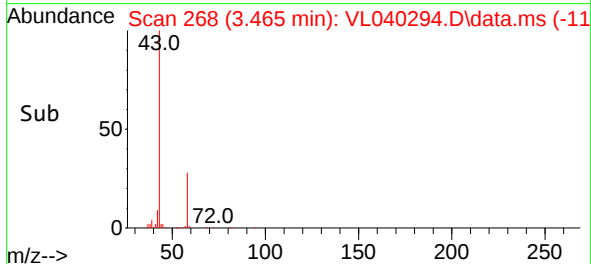
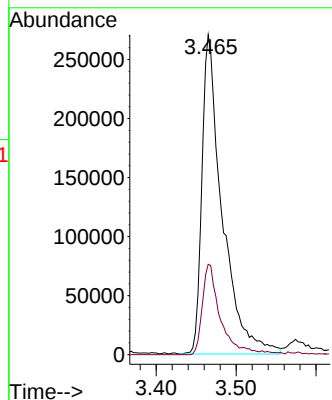
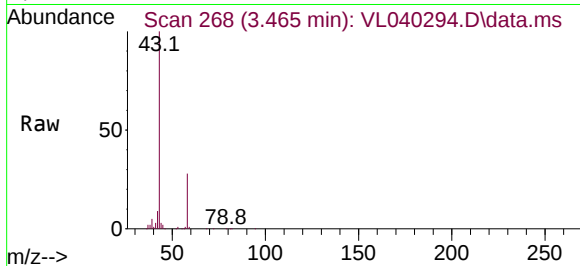
#15
Acetone
Concen: 3.334 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion: 43 Resp: 47738
Ion Ratio Lower Upper
43 100
58 25.5 21.8 32.8

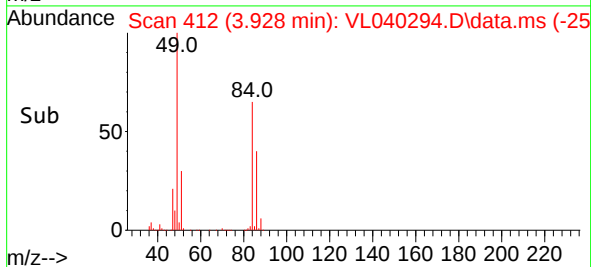
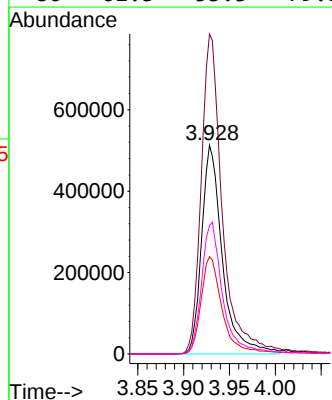
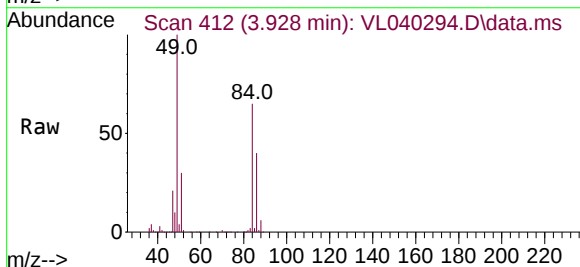
Manual Integrations
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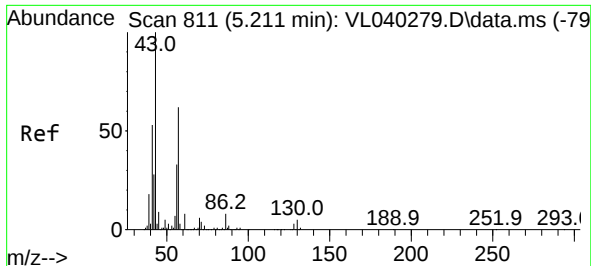
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#20
Methylene Chloride
Concen: 13.455 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

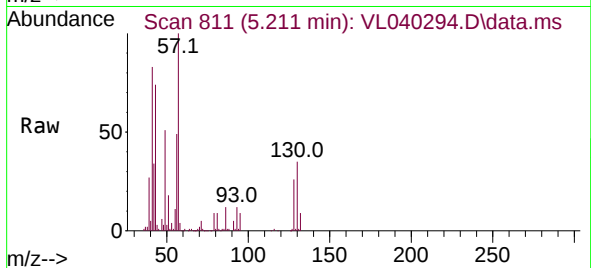
Tgt Ion: 84 Resp: 810368
Ion Ratio Lower Upper
84 100
49 153.2 117.5 176.3
51 46.5 36.9 55.3
86 61.3 53.3 79.9





#26
Hexane
Concen: 4.190 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.000 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

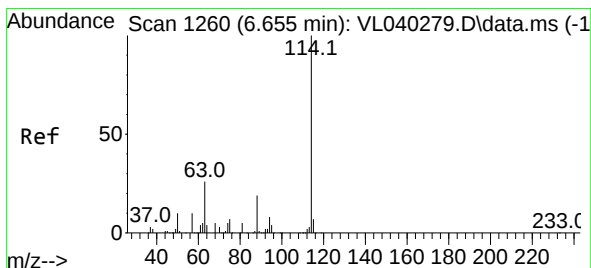
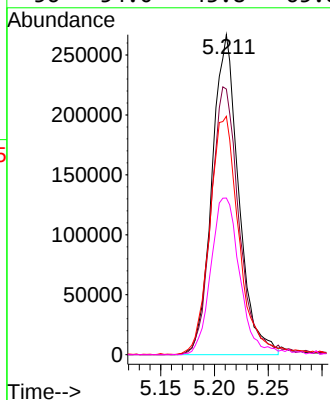
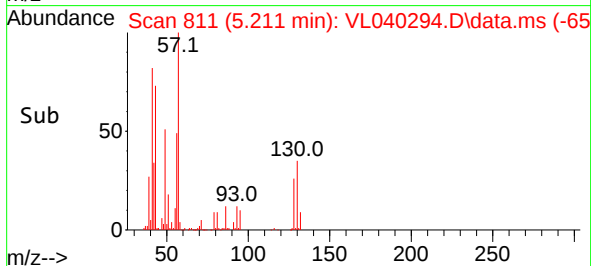
Instrument :
MSVOA_L
Client Sample Id :
SSSG-2DL



Tgt Ion: 57 Resp: 461000
Ion Ratio Lower Upper
57 100
41 89.0 73.5 110.3
43 83.4 196.3 294.5
56 54.0 43.8 65.8

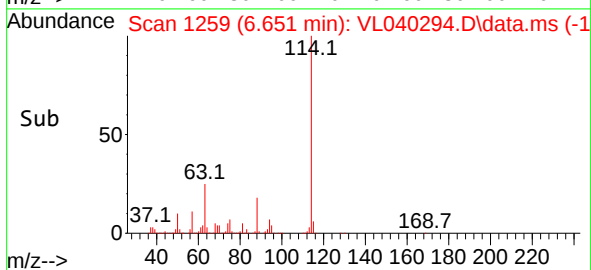
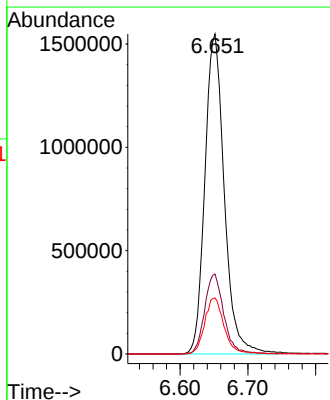
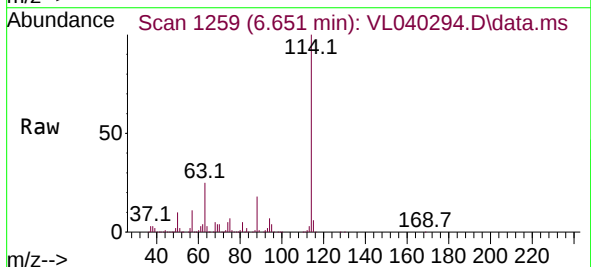
Manual Integrations
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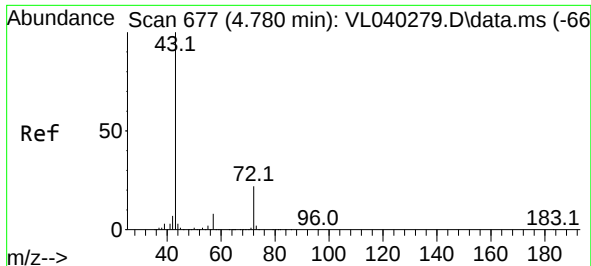
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. -0.004 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

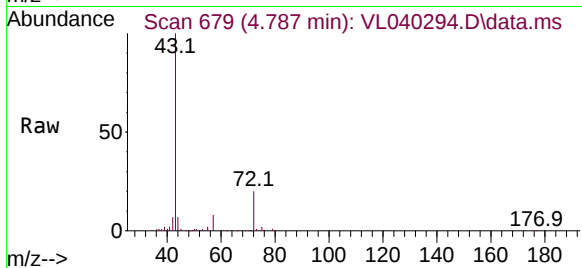
Tgt Ion:114 Resp: 3078689
Ion Ratio Lower Upper
114 100
63 24.9 21.2 31.8
88 17.5 14.5 21.7





#34
2-Butanone
Concen: 1.170 ppbv
RT: 4.787 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

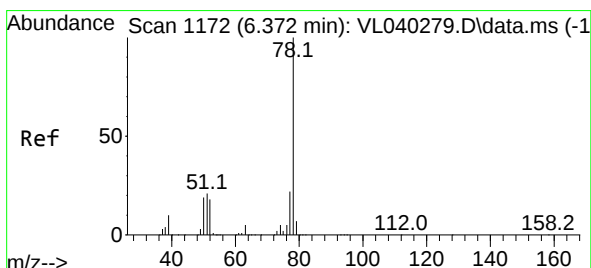
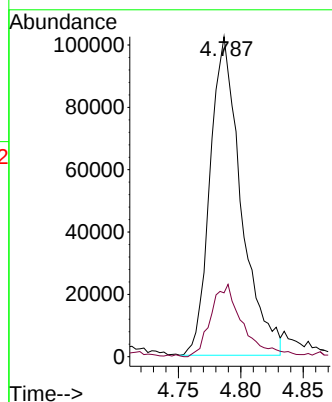
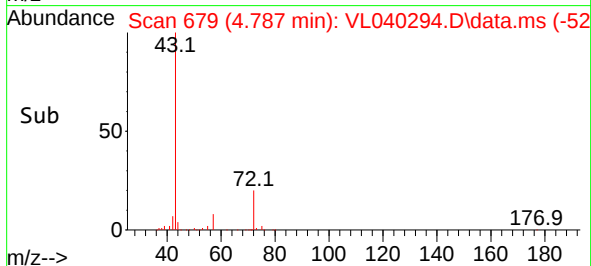
Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL



Tgt Ion: 43 Resp: 177712
Ion Ratio Lower Upper
43 100
72 24.3 18.3 27.5

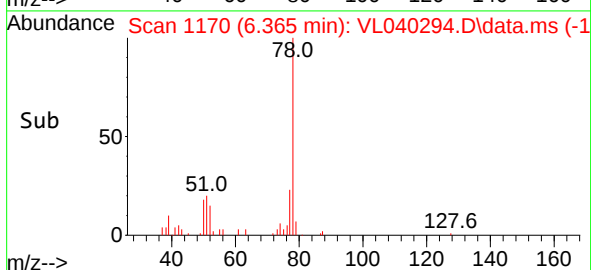
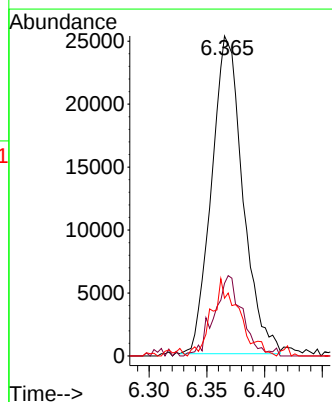
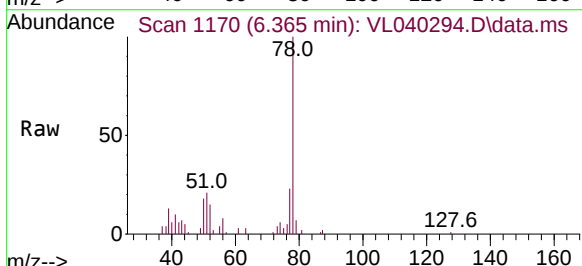
Manual Integrations
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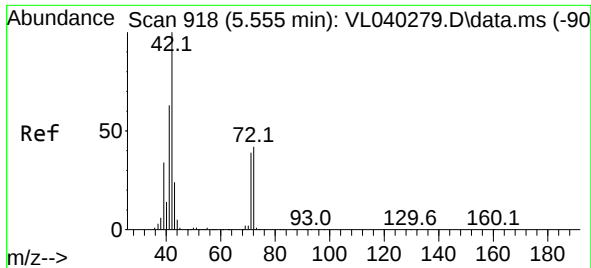
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#36
Benzene
Concen: 0.203 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.007 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

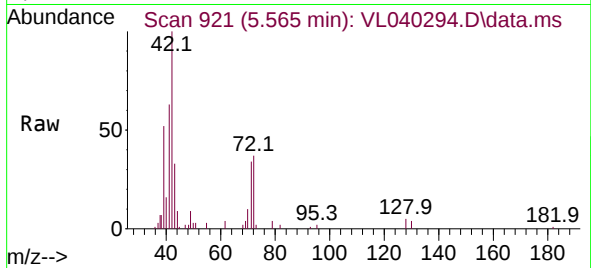
Tgt Ion: 78 Resp: 47520
Ion Ratio Lower Upper
78 100
77 22.9 17.8 26.8
50 16.7 15.4 23.2





#41
Tetrahydrofuran
Concen: 0.322 ppbv
RT: 5.565 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

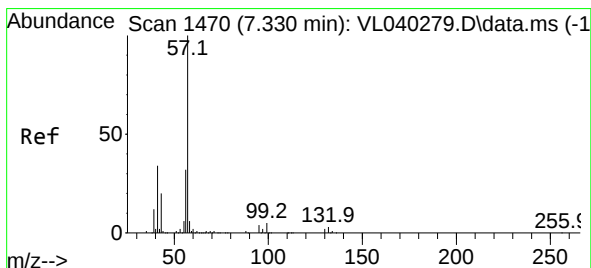
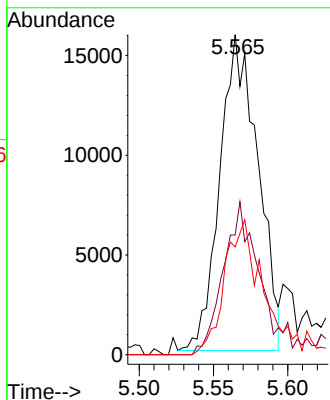
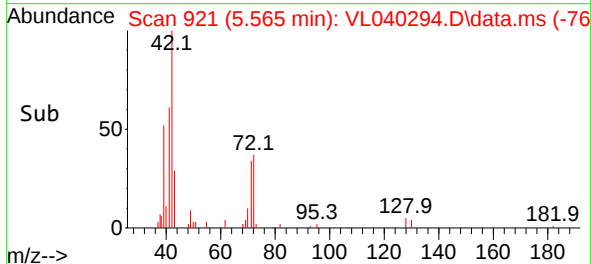
Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL



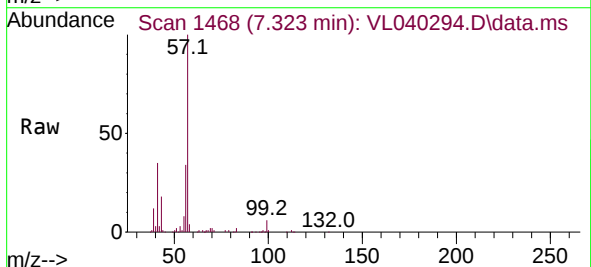
Tgt Ion: 42 Resp: 2825
Ion Ratio Lower Upper
42 100
72 45.4 32.6 49.0
71 45.8 31.0 46.4

Manual Integrations
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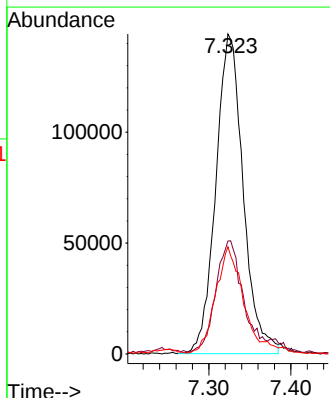
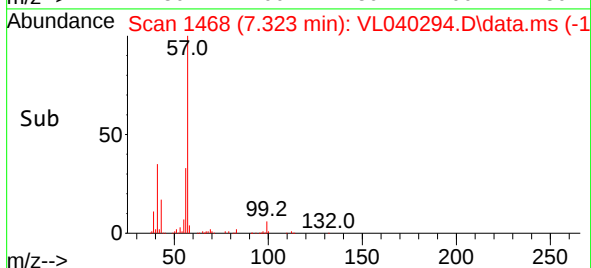
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

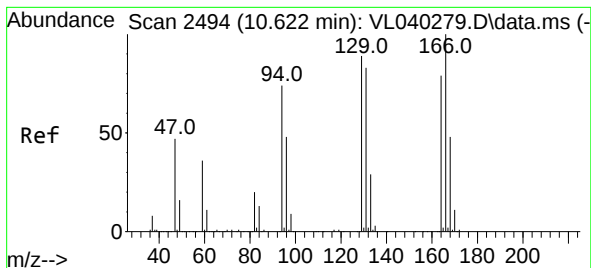


#44
2,2,4-Trimethylpentane
Concen: 0.854 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. -0.007 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50



Tgt Ion: 57 Resp: 334083
Ion Ratio Lower Upper
57 100
41 38.3 26.8 40.2
56 35.6 25.0 37.6





#52

Tetrachloroethene

Concen: 0.300 ppbv

RT: 10.616 min Scan# 2494

Delta R.T. -0.006 min

Lab File: VL040294.D

Acq: 16 Mar 2023 13:50

Instrument :

MSVOA_L

ClientSampleId :

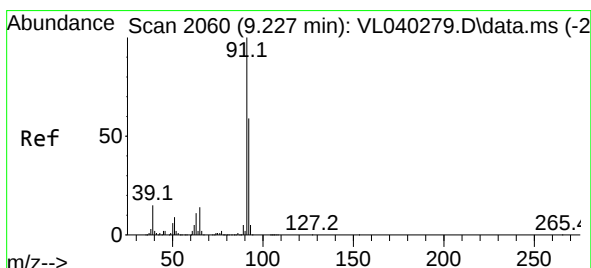
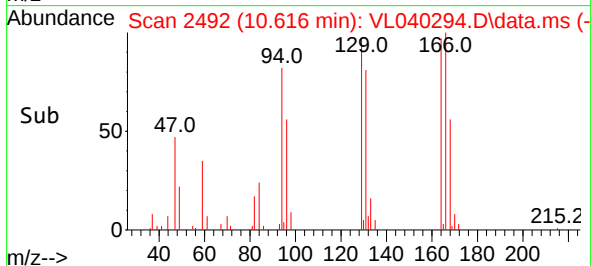
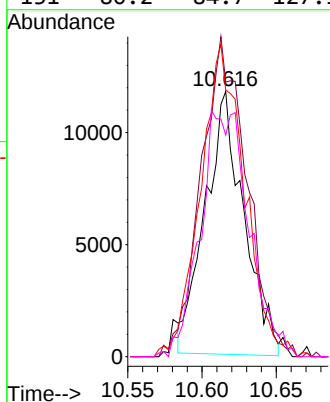
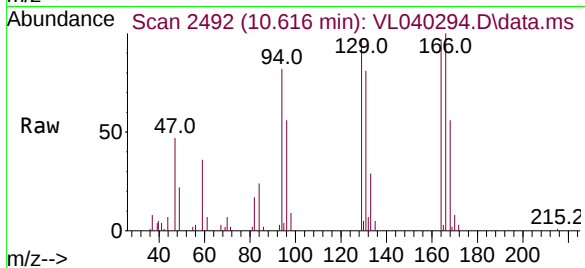
SSSG-2DL

Tgt Ion:164	Resp:	21290
Ion Ratio	Lower	Upper
164	100	
166	100.0	101.8 152.6
129	100.3	90.2 135.2
131	80.2	84.7 127.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#53

Toluene

Concen: 3.808 ppbv

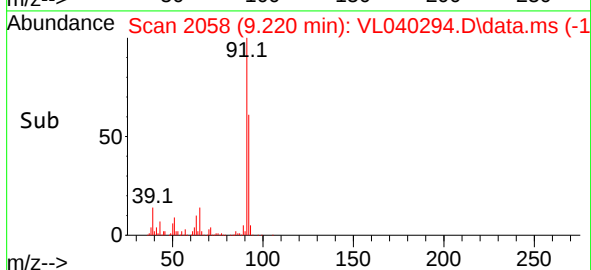
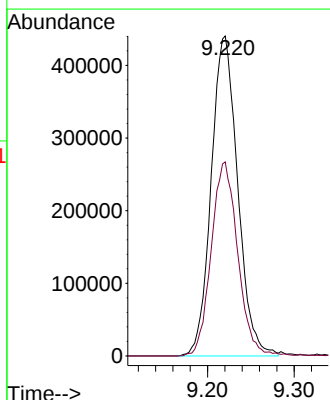
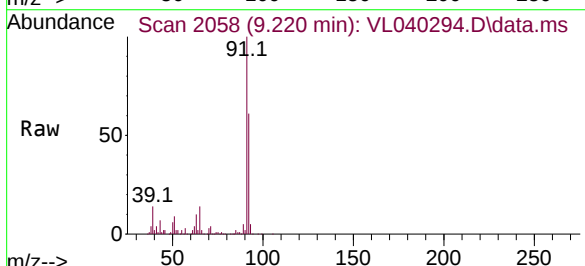
RT: 9.220 min Scan# 2058

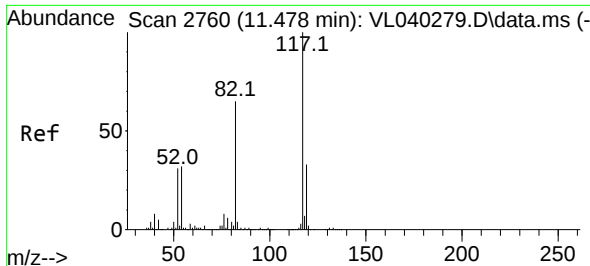
Delta R.T. -0.007 min

Lab File: VL040294.D

Acq: 16 Mar 2023 13:50

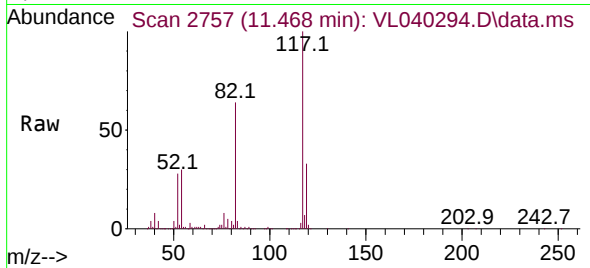
Tgt Ion: 91	Resp:	936205
Ion Ratio	Lower	Upper
91	100	
92	61.0	48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

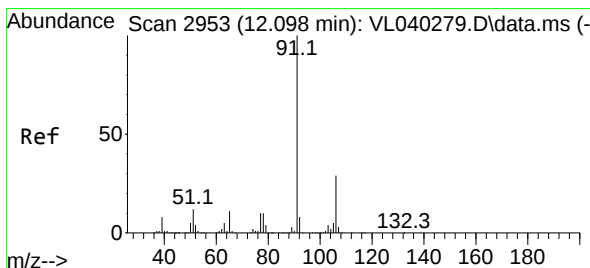
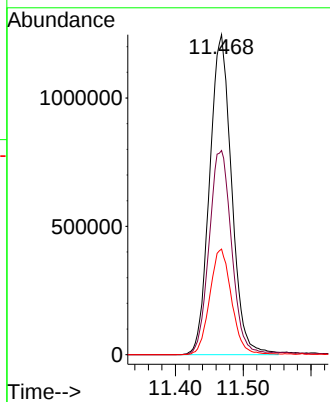
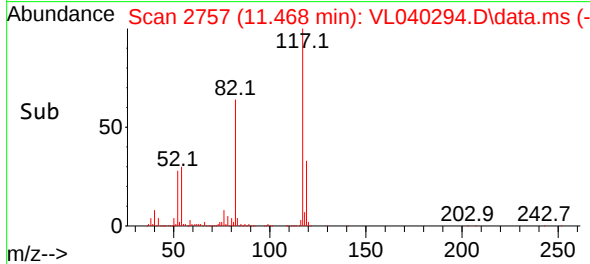
Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL



Tgt Ion:117 Resp: 280967
Ion Ratio Lower Upper
117 100
82 66.7 51.4 77.2
119 33.2 24.0 36.0

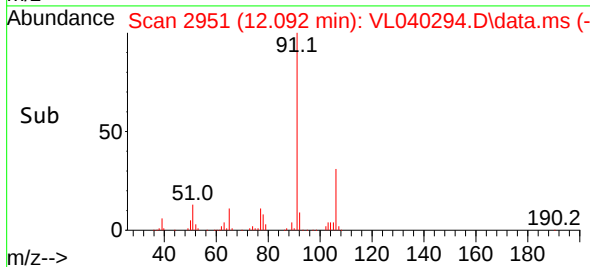
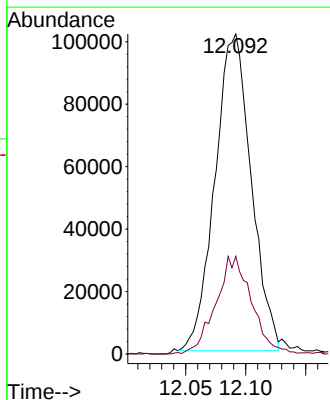
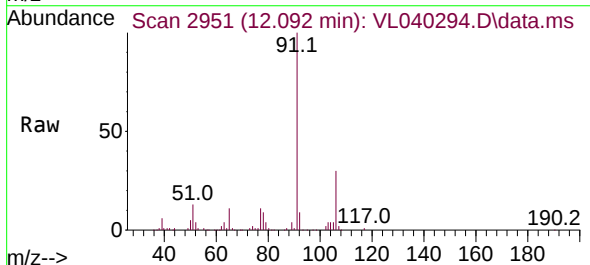
Manual Integrations
APPROVED

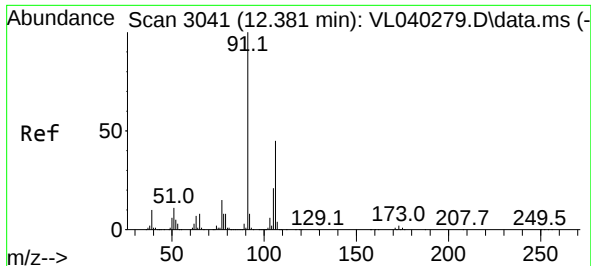
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#58
Ethyl Benzene
Concen: 0.667 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. -0.006 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

Tgt Ion: 91 Resp: 213453
Ion Ratio Lower Upper
91 100
106 30.4 23.4 35.2





#59

m/p-Xylene

Concen: 2.590 ppbv

RT: 12.346 min Scan# 3041

Delta R.T. -0.035 min

Lab File: VL040294.D

Acq: 16 Mar 2023 13:50

Instrument :

MSVOA_L

ClientSampleId :

SSSG-2DL

Tgt Ion: 91 Resp: 759079

Ion Ratio Lower Upper

91 100

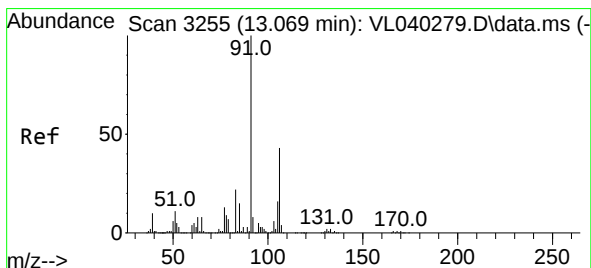
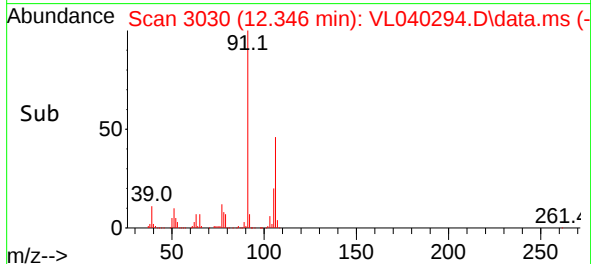
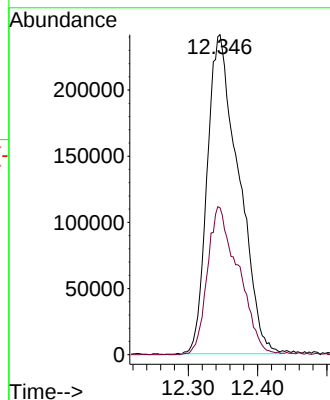
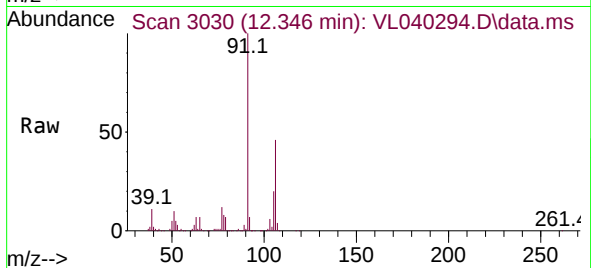
106 46.2 34.0 51.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#60

o-Xylene

Concen: 1.036 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. -0.013 min

Lab File: VL040294.D

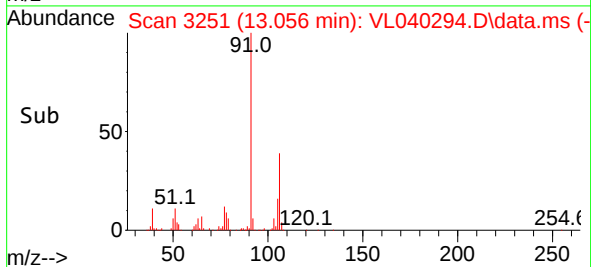
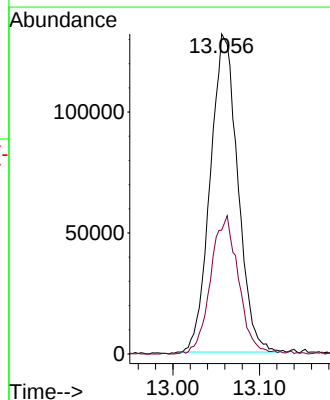
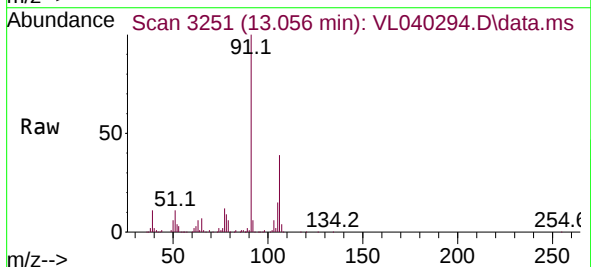
Acq: 16 Mar 2023 13:50

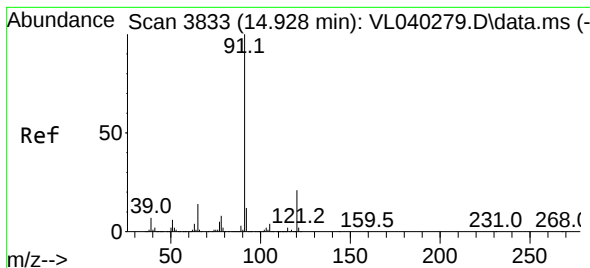
Tgt Ion: 91 Resp: 290165

Ion Ratio Lower Upper

91 100

106 44.3 21.7 65.1





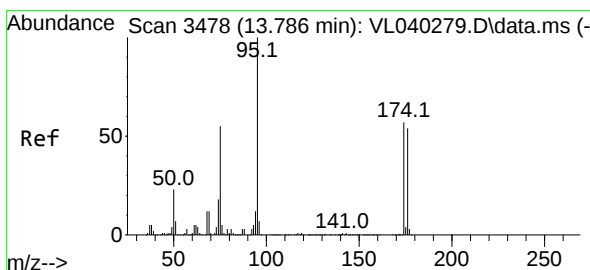
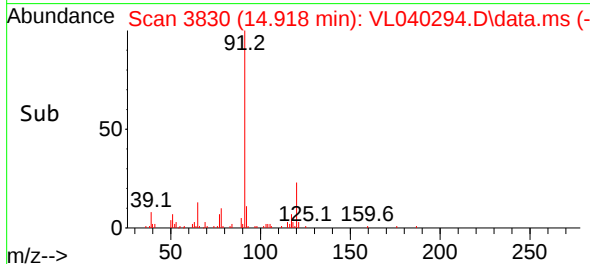
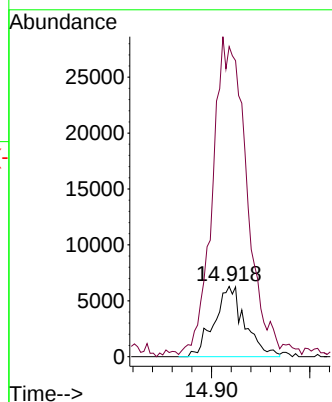
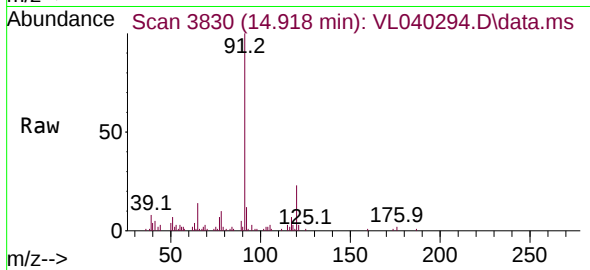
#64
n-propylbenzene
Concen: 0.139 ppbv m
RT: 14.918 min Scan# 3830
Delta R.T. -0.010 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion:120 Resp: 1360
Ion Ratio Lower Upper
120 100
91 526.9 399.0 598.6

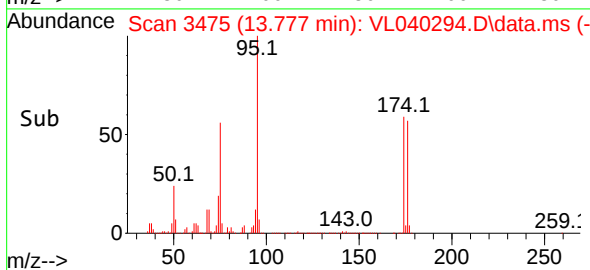
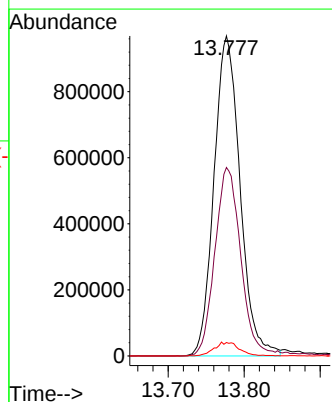
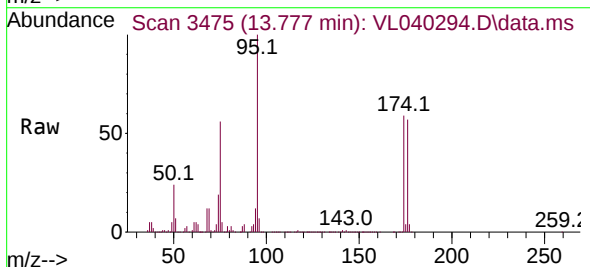
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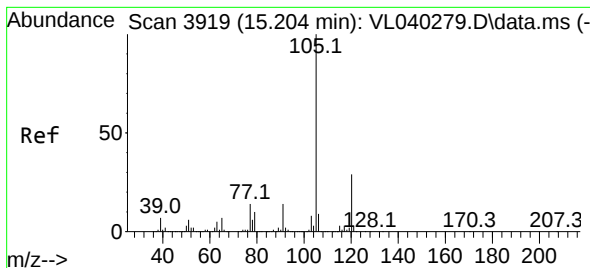
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.793 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.009 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

Tgt Ion: 95 Resp: 2304062
Ion Ratio Lower Upper
95 100
174 60.2 47.0 70.6
175 4.3 3.4 5.2





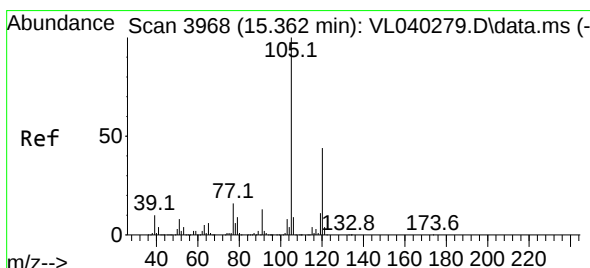
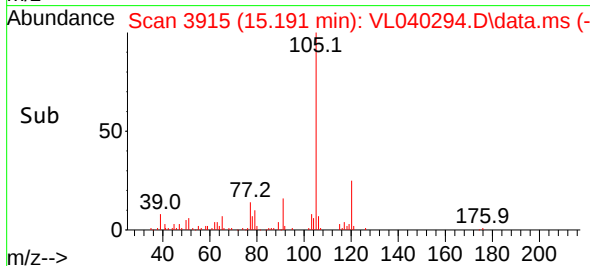
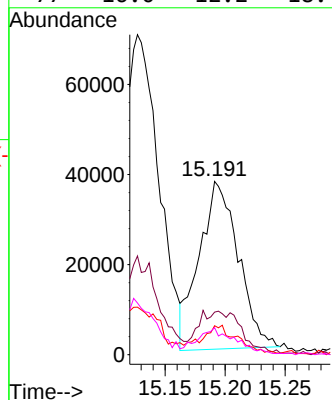
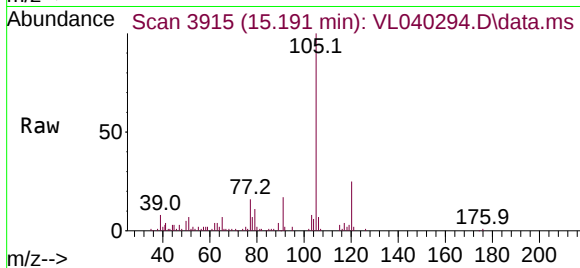
#72
4-Ethyltoluene
Concen: 0.276 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. -0.013 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DL

Tgt Ion:105	Resp:	84678
Ion Ratio	Lower	Upper
105	100	
120	31.1	23.7 35.5
91	16.7	11.6 17.4
77	16.0	12.2 18.4

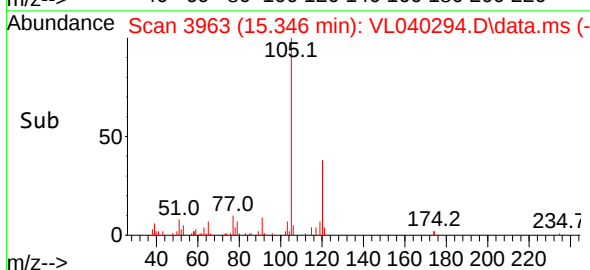
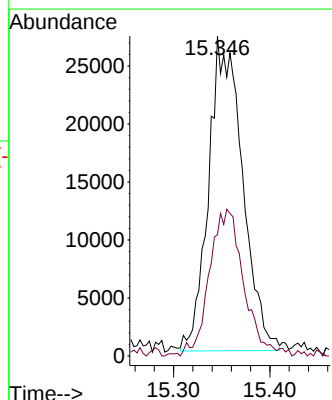
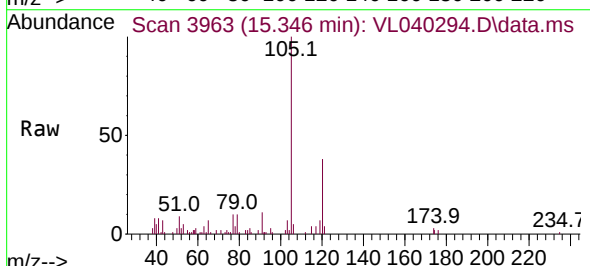
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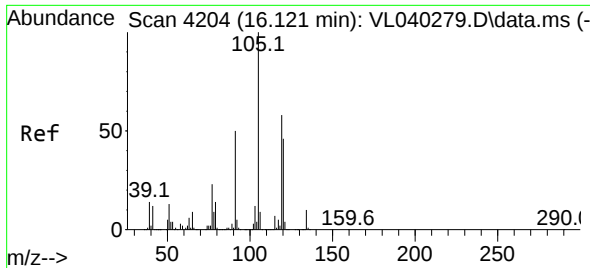
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#73
1,3,5-Trimethylbenzene
Concen: 0.238 ppbv m
RT: 15.346 min Scan# 3963
Delta R.T. -0.016 min
Lab File: VL040294.D
Acq: 16 Mar 2023 13:50

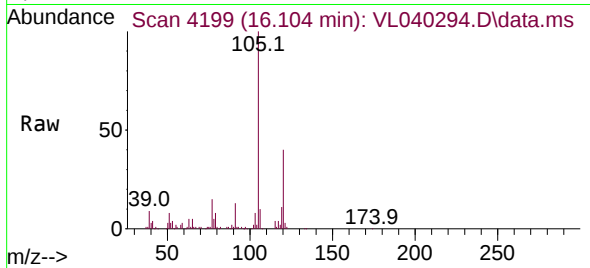
Tgt Ion:105	Resp:	66062
Ion Ratio	Lower	Upper
105	100	
120	37.9	34.9 52.3





#74
 1,2,4-Trimethylbenzene
 Concen: 0.814 ppbv
 RT: 16.104 min Scan# 4199
 Delta R.T. -0.017 min
 Lab File: VL040294.D
 Acq: 16 Mar 2023 13:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-2DL



Tgt Ion:	105	Resp:	257680
Ion	Ratio	Lower	Upper
105	100		
120	39.6	36.6	54.8
91	13.2	39.9	59.9
77	15.1	18.6	27.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

