

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040393.D
 Acq On : 19 Apr 2023 23:40
 Operator : SY/MD
 Sample : 02410-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01-20230417DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 20 07:50:18 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

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	5.172	49	1119962	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.639	114	2952754	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.455	117	2698559	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2104700	9.432	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.300%
Target Compounds						
					Qvalue	
9) Propene	2.677	41	151391m	2.618	ppbv	
10) Heptane	7.568	43	23600m	0.180	ppbv	
15) Acetone	3.455	43	179898	1.134	ppbv #	82
20) Methylene Chloride	3.915	84	29811	0.471	ppbv #	78
26) Hexane	5.198	57	51467m	0.457	ppbv	
27) Carbon Disulfide	4.108	76	18463	0.127	ppbv #	63
29) Chloroform	5.256	83	21056	0.105	ppbv	91
30) Cyclohexane	6.587	84	13010	0.149	ppbv #	73
34) 2-Butanone	4.783	43	119370	0.750	ppbv	98
36) Benzene	6.356	78	140633	0.584	ppbv #	96
41) Tetrahydrofuran	5.565	42	33773	0.387	ppbv	92
44) 2,2,4-Trimethylpentane	7.314	57	73944	0.184	ppbv #	71
52) Tetrachloroethene	10.603	164	5711m	0.076	ppbv	
53) Toluene	9.214	91	93305	0.365	ppbv	100
58) Ethyl Benzene	12.072	91	59186m	0.178	ppbv	
60) o-Xylene	13.043	91	63886m	0.218	ppbv	
73) 1,3,5-Trimethylbenzene	15.349	105	40338m	0.135	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	52812m	0.155	ppbv	

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

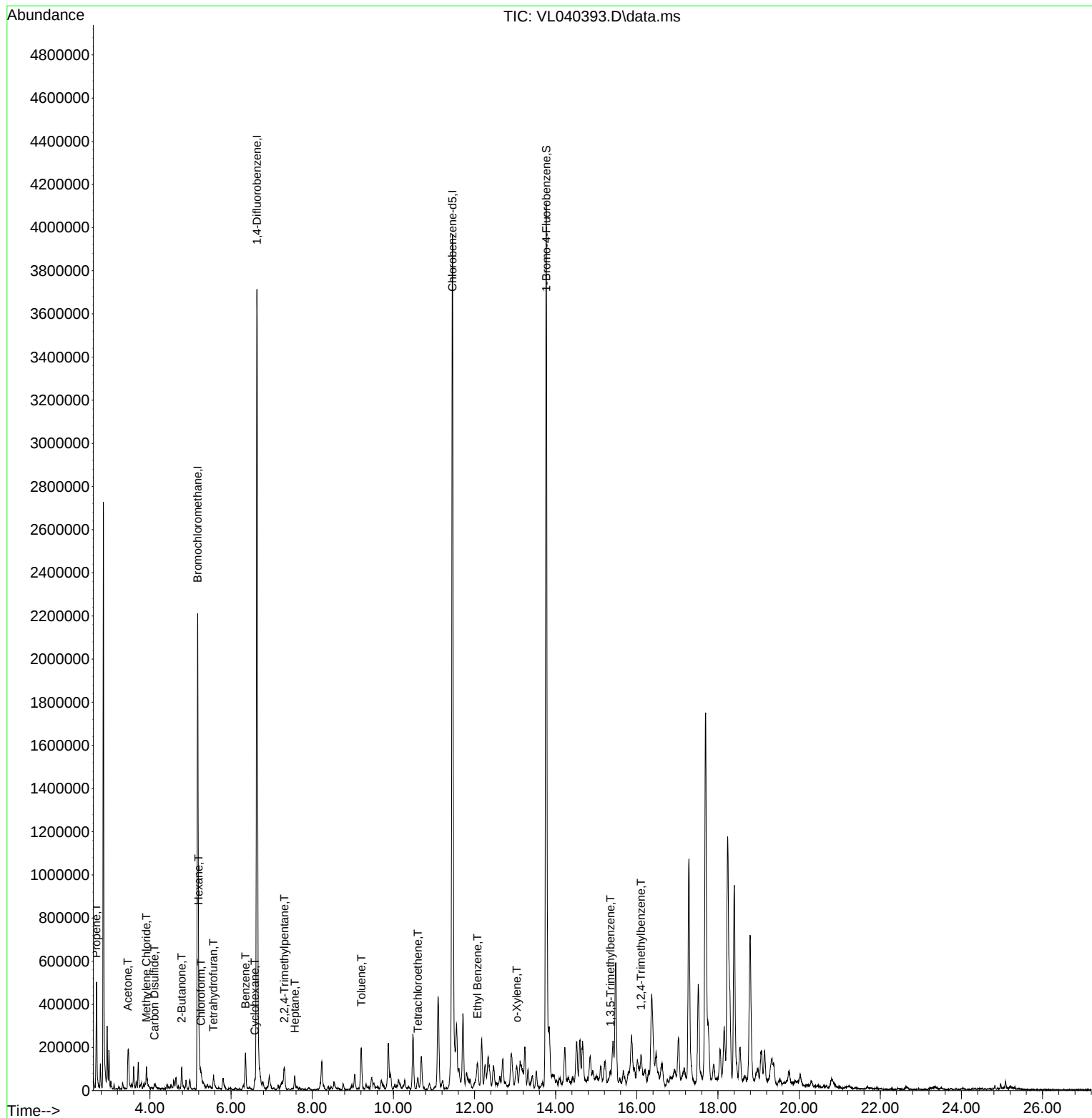
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040393.D
Acq On : 19 Apr 2023 23:40
Operator : SY/MD
Sample : 02410-02DL 20X
Misc : 400mL/MSVOA_L
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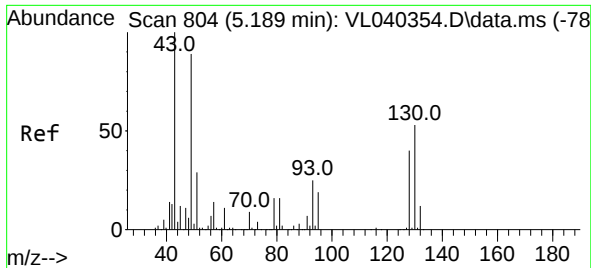
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL

Quant Time: Apr 20 07:50:18 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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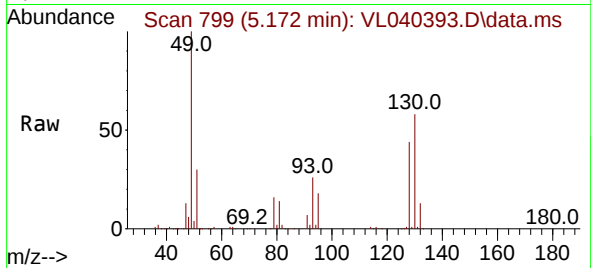
Reviewed By : Semsettin Yesilyurt 04/20/2023
Supervised By : Mahesh Dadoda 04/22/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 799
Delta R.T. -0.017 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

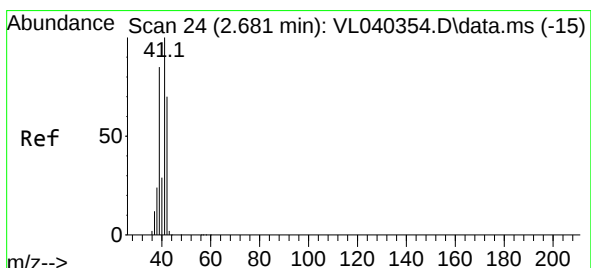
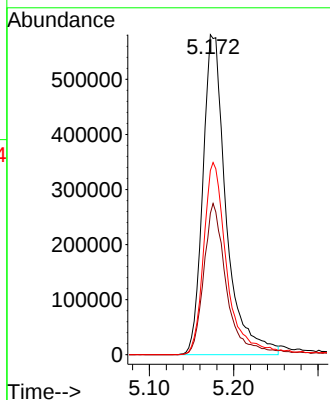
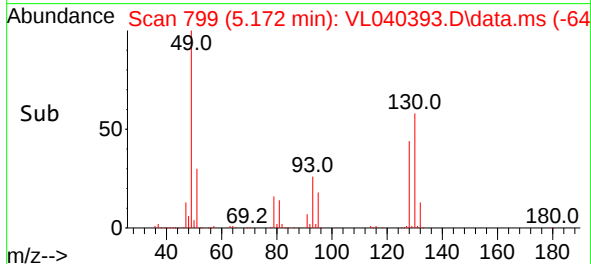
Instrument : MSVOA_L
ClientSampleId : SV-01-20230417DL



Tgt Ion: 49 Resp: 1119962
Ion Ratio Lower Upper
49 100
128 48.0 23.7 71.1
130 61.9 29.9 89.8

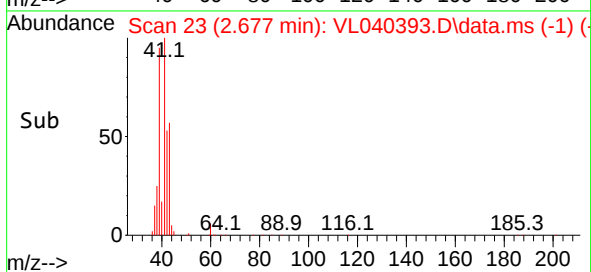
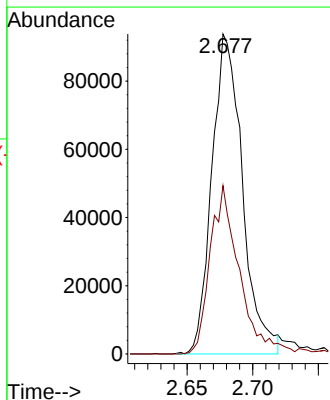
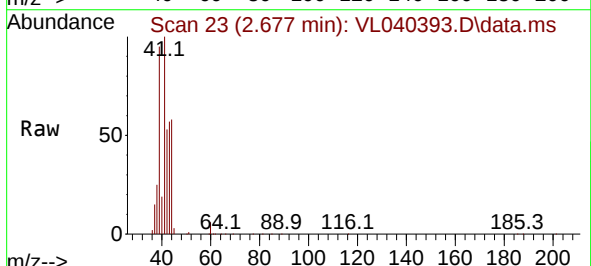
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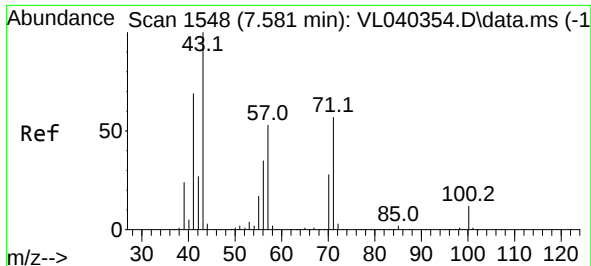
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#9
Propene
Concen: 2.618 ppbv m
RT: 2.677 min Scan# 23
Delta R.T. -0.004 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

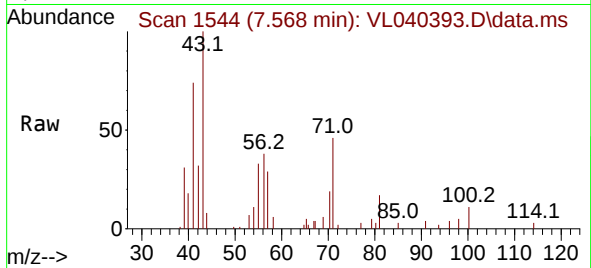
Tgt Ion: 41 Resp: 151391
Ion Ratio Lower Upper
41 100
42 337.7 56.5 84.7#





#10
Heptane
Concen: 0.180 ppbv m
RT: 7.568 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

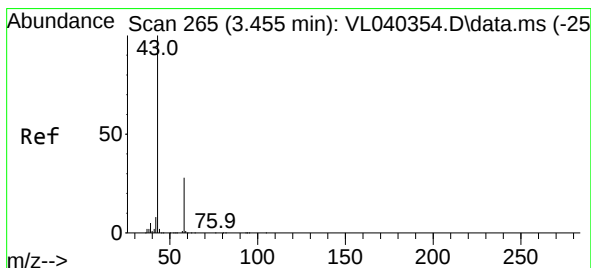
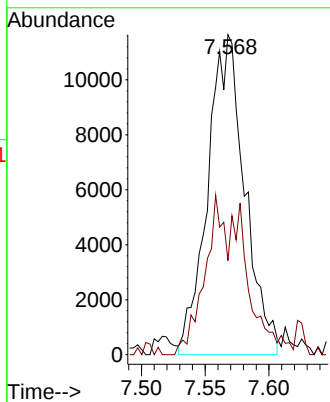
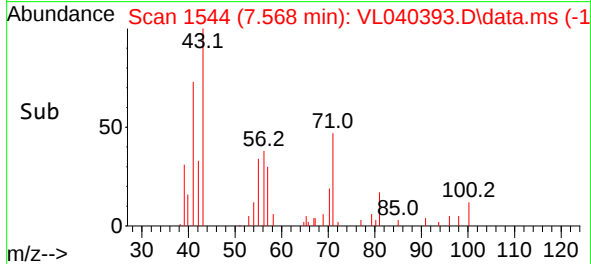
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL



Tgt Ion: 43 Resp: 23600
Ion Ratio Lower Upper
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57 55.3 42.2 63.4

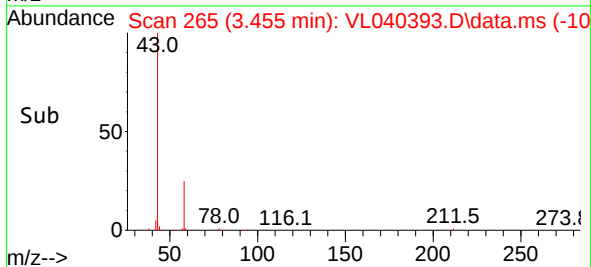
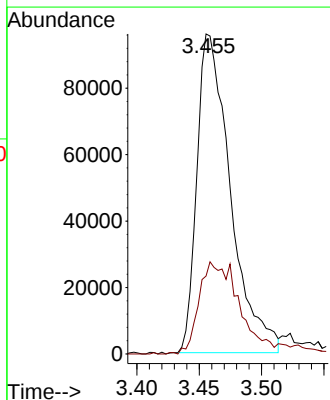
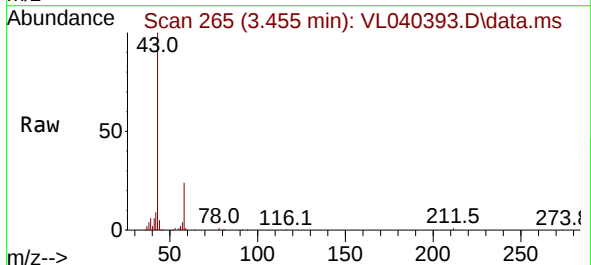
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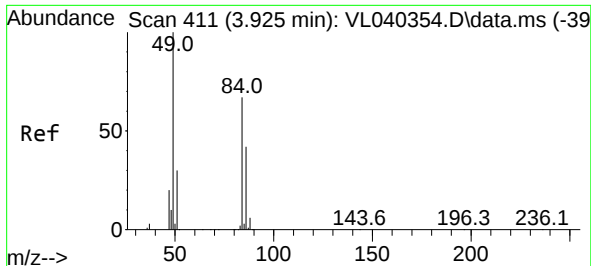
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#15
Acetone
Concen: 1.134 ppbv
RT: 3.455 min Scan# 265
Delta R.T. 0.000 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

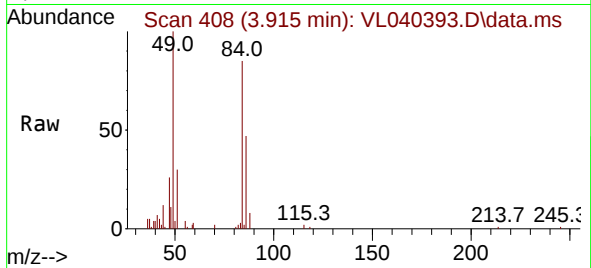
Tgt Ion: 43 Resp: 179898
Ion Ratio Lower Upper
43 100
58 37.4 22.2 33.2#





#20
Methylene Chloride
Concen: 0.471 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.010 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

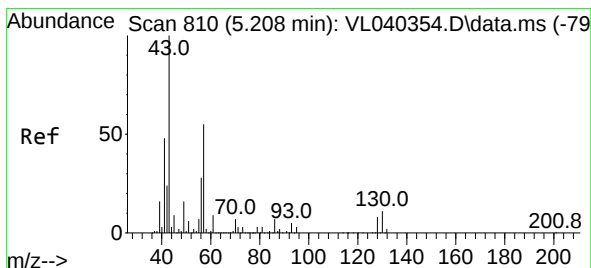
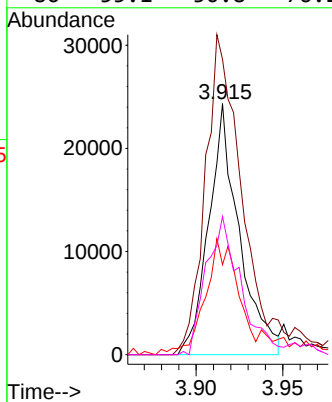
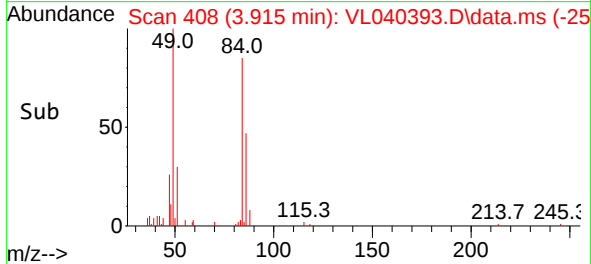
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL



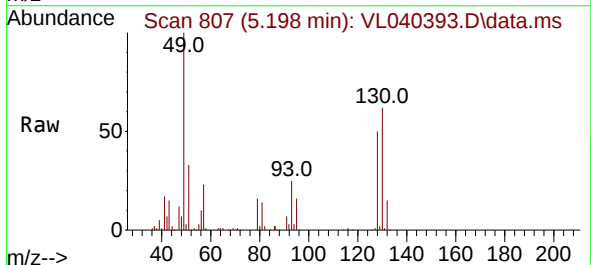
Tgt Ion: 84 Resp: 2981
Ion Ratio Lower Upper
84 100
49 115.4 120.1 180.1#
51 33.4 36.3 54.5#
86 55.1 50.8 76.2#

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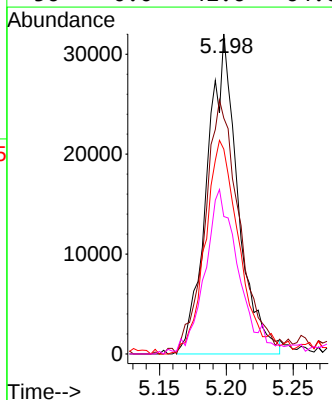
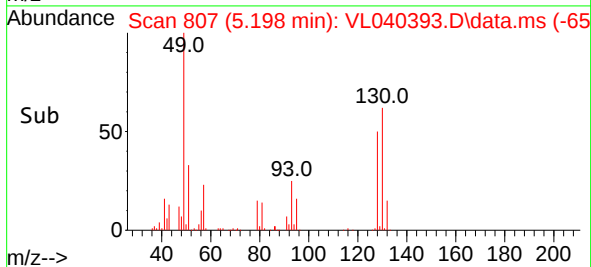
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023

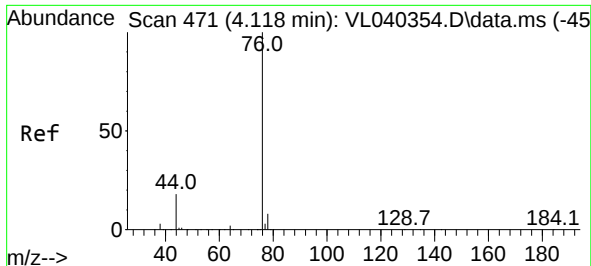


#26
Hexane
Concen: 0.457 ppbv m
RT: 5.198 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40



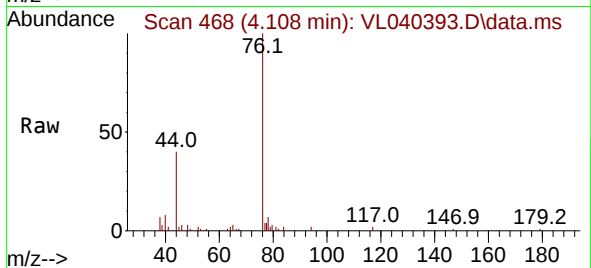
Tgt Ion: 57 Resp: 51467
Ion Ratio Lower Upper
57 100
41 0.0 74.8 112.2#
43 0.0 192.7 289.1#
56 0.0 42.6 64.0#





#27
Carbon Disulfide
Concen: 0.127 ppbv
RT: 4.108 min Scan# 410
Delta R.T. -0.010 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

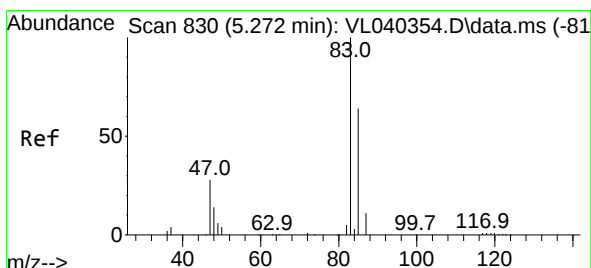
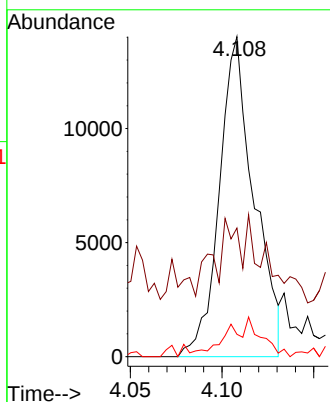
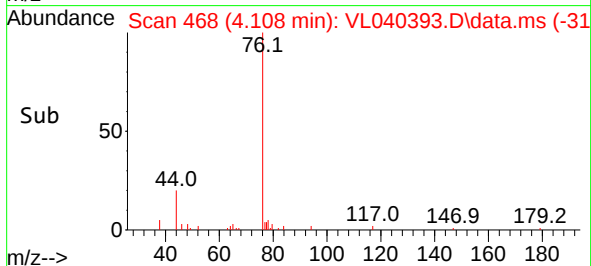
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL



Tgt Ion: 76 Resp: 1846
Ion Ratio Lower Upper
76 100
44 40.9 14.7 22.1
78 13.9 7.7 11.5

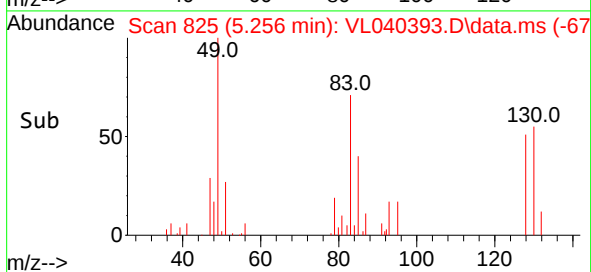
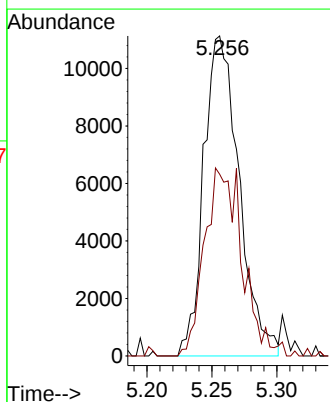
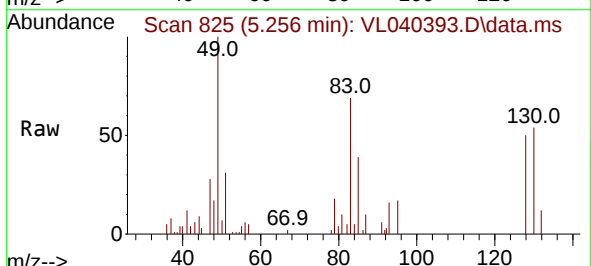
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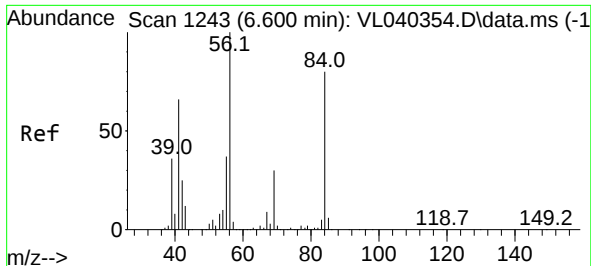
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#29
Chloroform
Concen: 0.105 ppbv
RT: 5.256 min Scan# 825
Delta R.T. -0.016 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

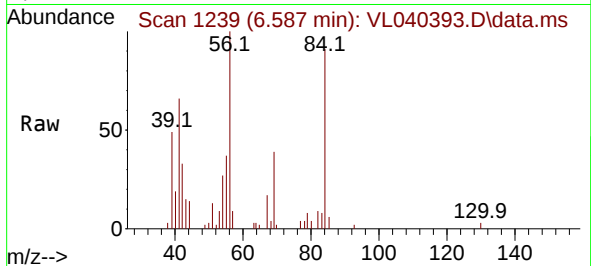
Tgt Ion: 83 Resp: 21056
Ion Ratio Lower Upper
83 100
85 56.8 51.0 76.4





#30
Cyclohexane
Concen: 0.149 ppbv
RT: 6.587 min Scan# 1239
Delta R.T. -0.013 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

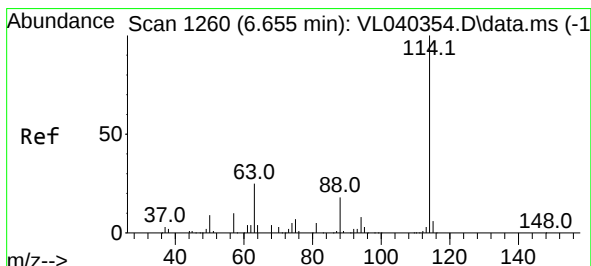
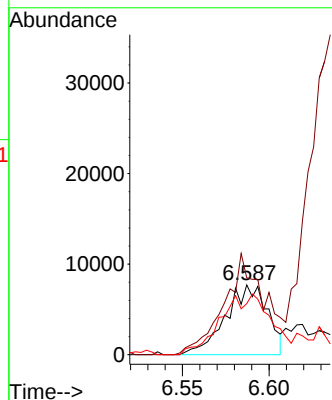
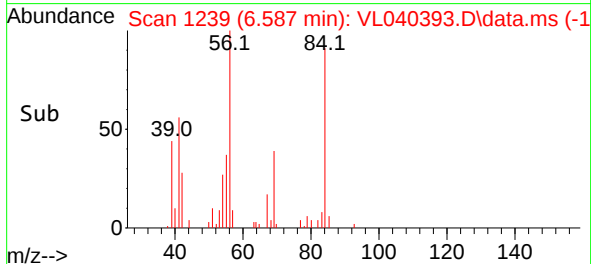
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL



Tgt Ion: 84 Resp: 13010
Ion Ratio Lower Upper
84 100
56 142.1 107.0 160.6
41 136.1 66.7 100.1

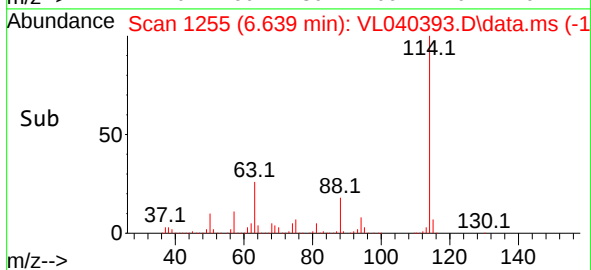
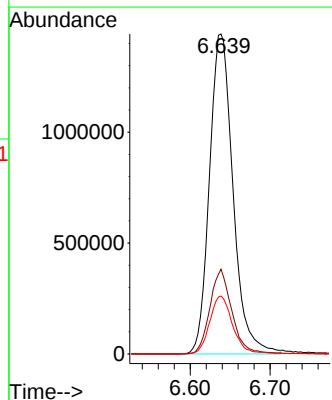
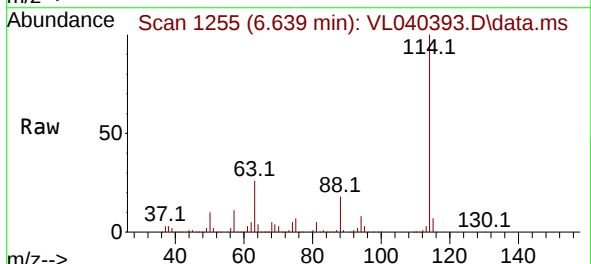
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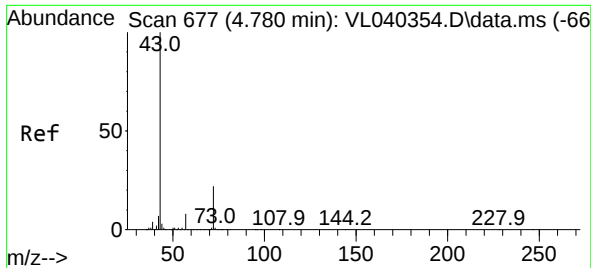
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

Tgt Ion:114 Resp: 2952754
Ion Ratio Lower Upper
114 100
63 24.9 21.4 32.0
88 17.8 14.6 22.0





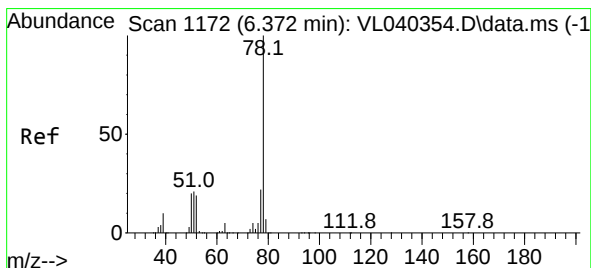
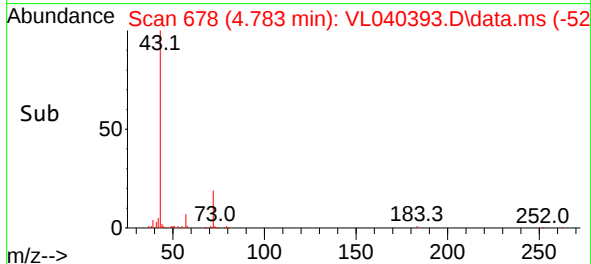
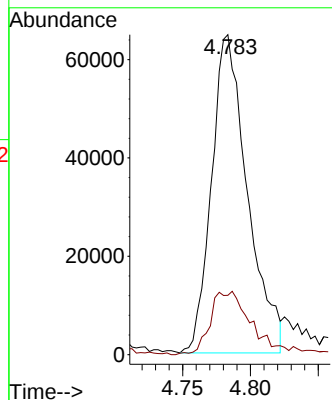
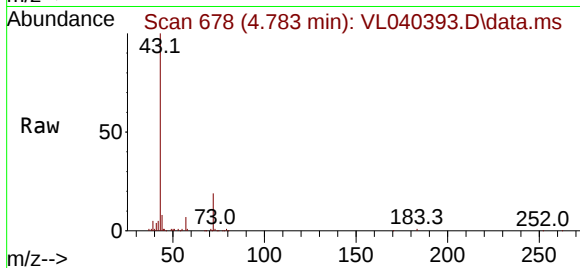
#34
2-Butanone
Concen: 0.750 ppbv
RT: 4.783 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL

Tgt Ion: 43 Resp: 119370
Ion Ratio Lower Upper
43 100
72 24.1 18.4 27.6

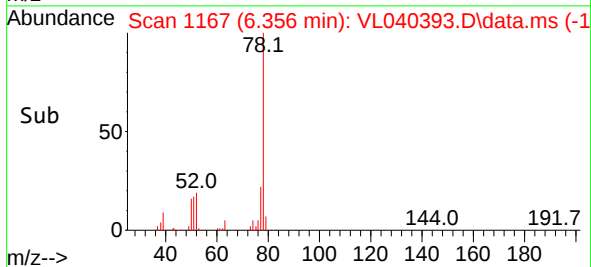
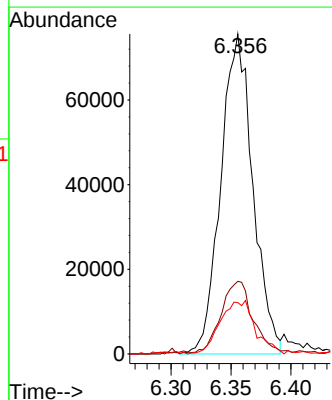
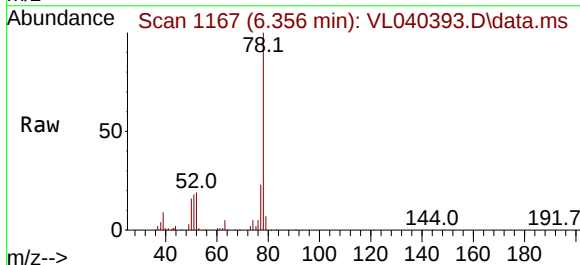
Manual Integrations
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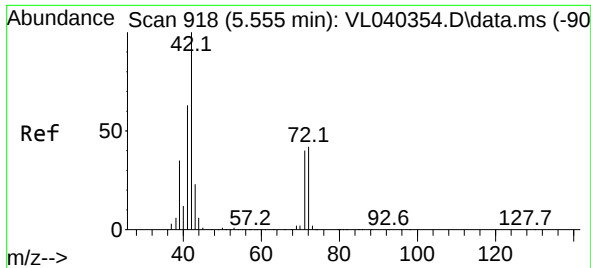
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#36
Benzene
Concen: 0.584 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.016 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

Tgt Ion: 78 Resp: 140633
Ion Ratio Lower Upper
78 100
77 22.1 17.8 26.8
50 15.4 15.6 23.4#





#41

Tetrahydrofuran

Concen: 0.387 ppbv

RT: 5.565 min Scan# 918

Delta R.T. 0.010 min

Lab File: VL040393.D

Acq: 19 Apr 2023 23:40

Instrument :

MSVOA_L

ClientSampleId :

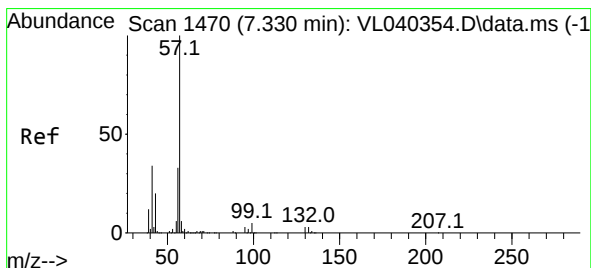
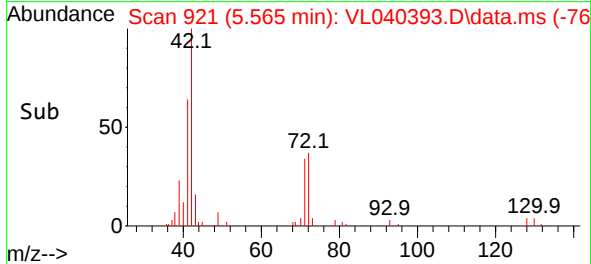
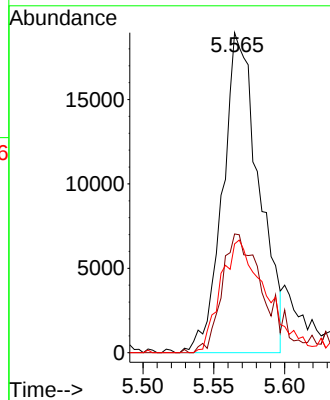
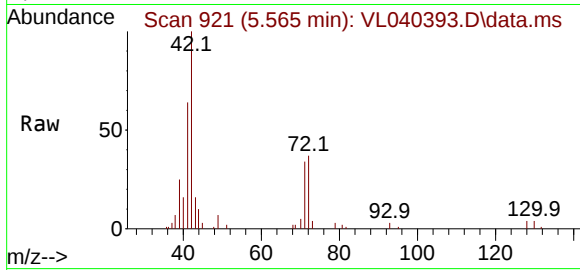
SV-01-20230417DL

Tgt Ion:	42	Resp:	3377
Ion Ratio	Lower	Upper	
42	100		
72	46.9	33.7	50.5
71	45.6	32.2	48.2

Manual Integrations

APPROVED

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



#44

2,2,4-Trimethylpentane

Concen: 0.184 ppbv

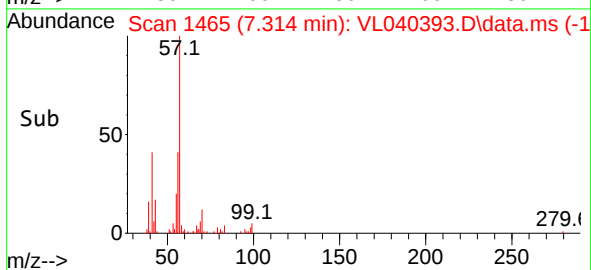
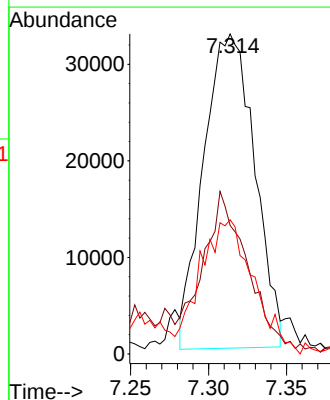
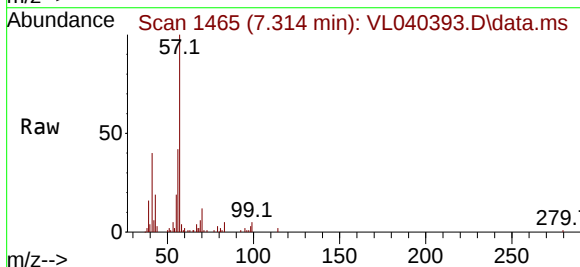
RT: 7.314 min Scan# 1465

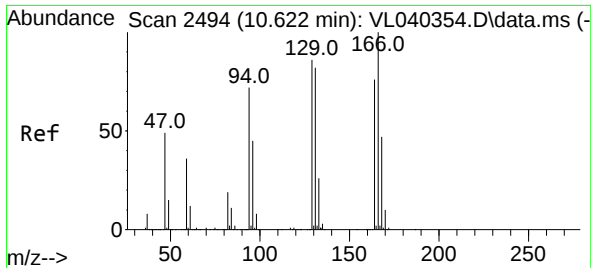
Delta R.T. -0.016 min

Lab File: VL040393.D

Acq: 19 Apr 2023 23:40

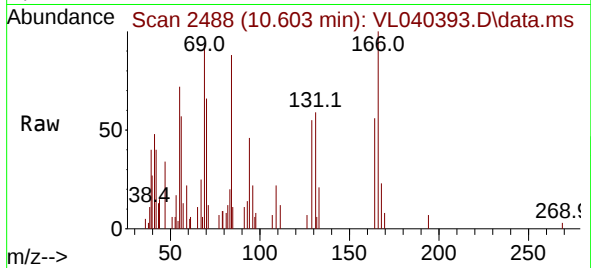
Tgt Ion:	57	Resp:	73944
Ion Ratio	Lower	Upper	
57	100		
41	51.4	26.9	40.3#
56	46.2	25.1	37.7#





#52
Tetrachloroethene
Concen: 0.076 ppbv m
RT: 10.603 min Scan# 2494
Delta R.T. -0.019 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

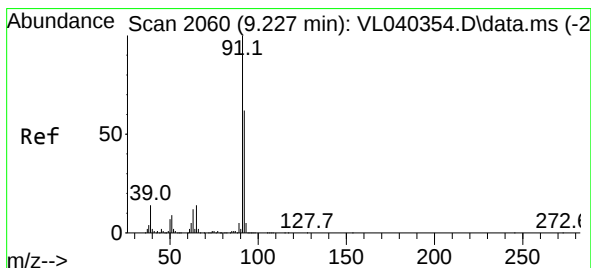
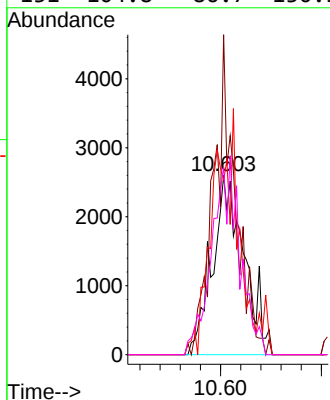
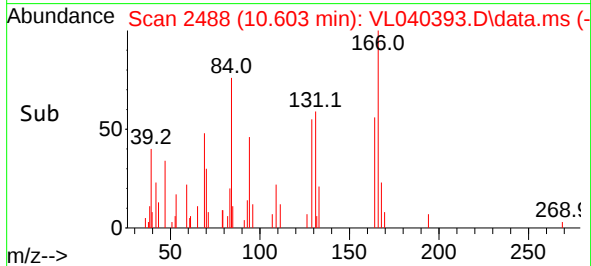
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL



Tgt Ion:164 Resp: 571
Ion Ratio Lower Upper
164 100
166 178.6 105.2 157.8
129 97.4 90.3 135.5
131 104.8 86.7 130.1

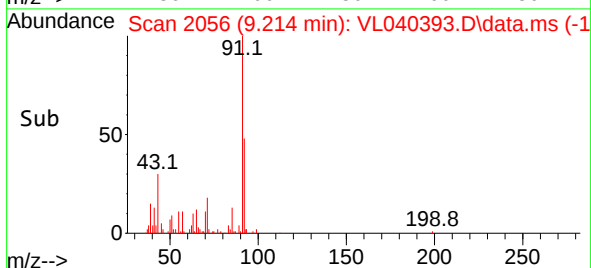
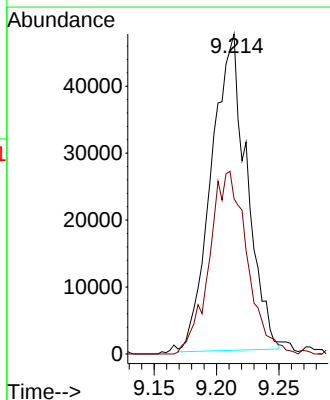
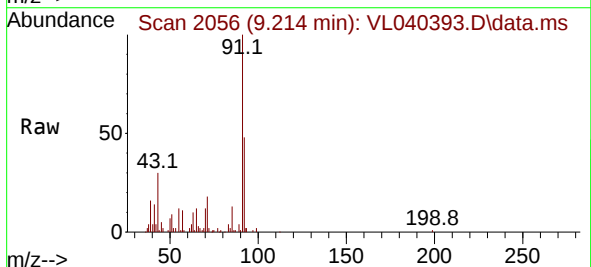
Manual Integrations
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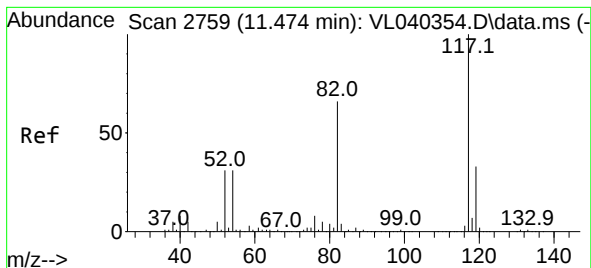
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#53
Toluene
Concen: 0.365 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.013 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

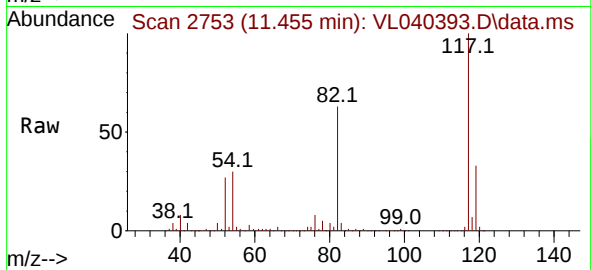
Tgt Ion: 91 Resp: 93305
Ion Ratio Lower Upper
91 100
92 61.5 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

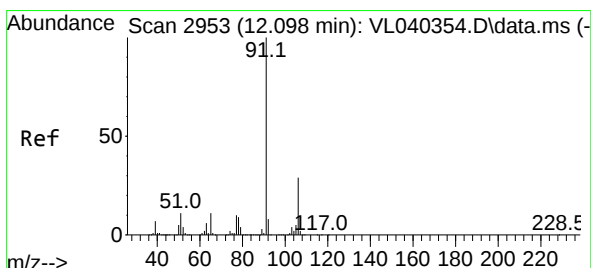
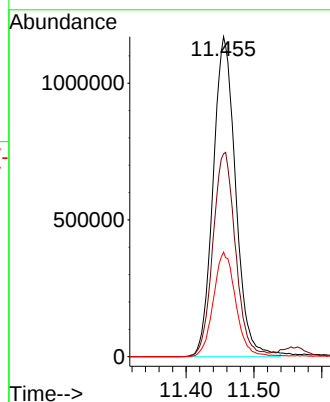
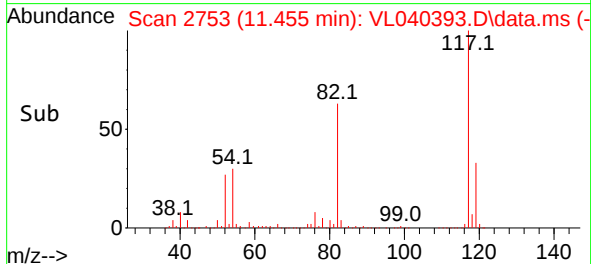
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL



Tgt Ion:117 Resp: 269855
Ion Ratio Lower Upper
117 100
82 64.4 52.5 78.7
119 33.0 24.3 36.5

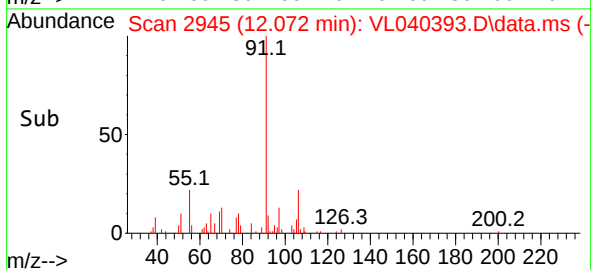
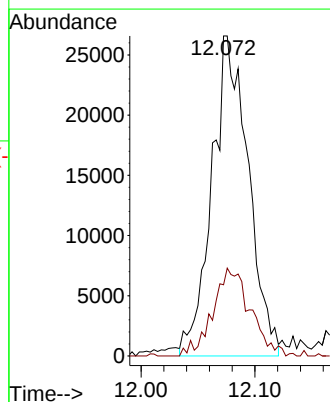
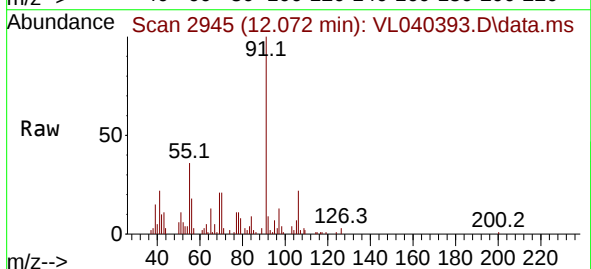
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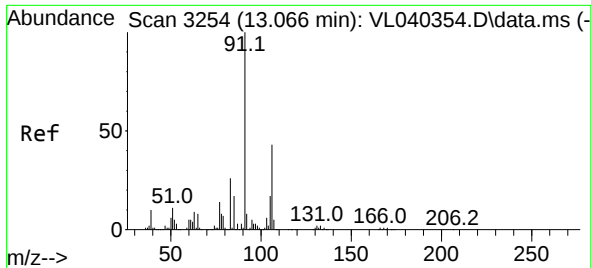
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#58
Ethyl Benzene
Concen: 0.178 ppbv m
RT: 12.072 min Scan# 2945
Delta R.T. -0.026 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

Tgt Ion: 91 Resp: 59186
Ion Ratio Lower Upper
91 100
106 22.3 23.5 35.3#





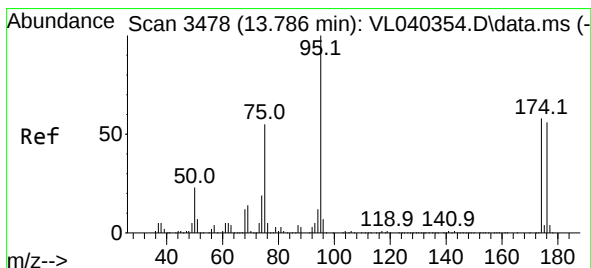
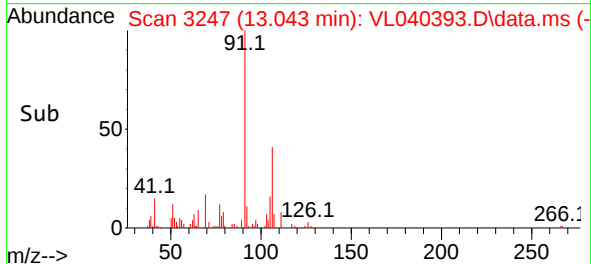
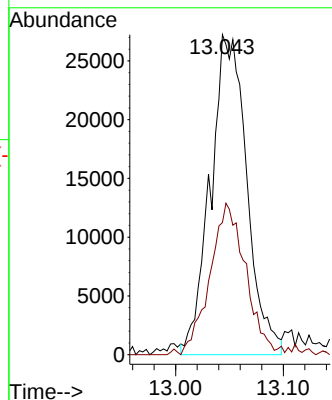
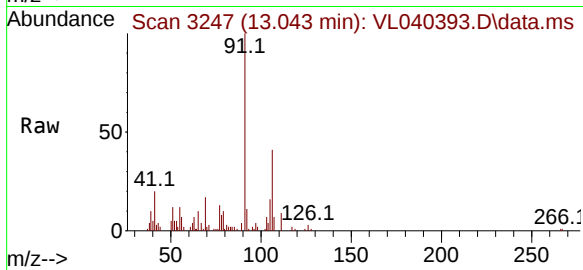
#60
o-Xylene
Concen: 0.218 ppbv m
RT: 13.043 min Scan# 31
Delta R.T. -0.023 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL

Tgt Ion: 91 Resp: 63880
Ion Ratio Lower Upper
91 100
106 47.9 21.9 65.8

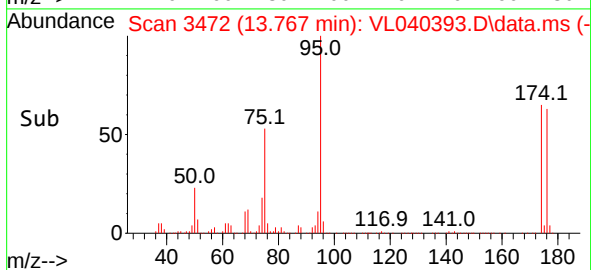
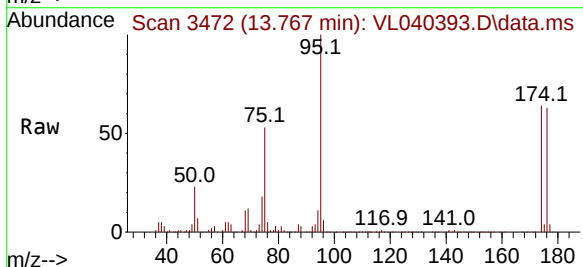
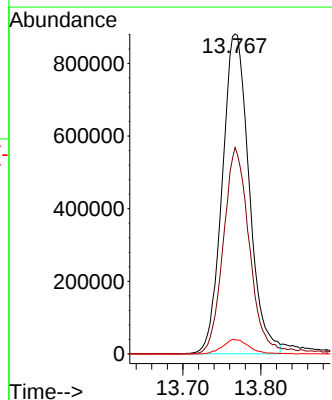
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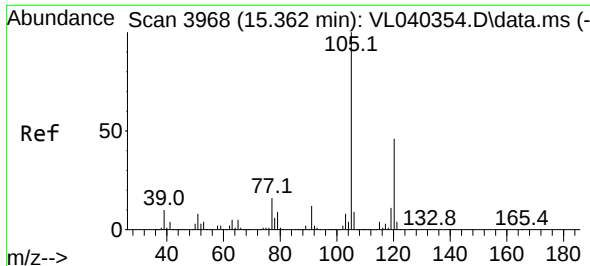
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.432 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.019 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

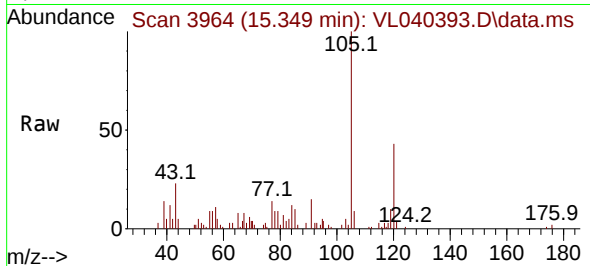
Tgt Ion: 95 Resp: 2104700
Ion Ratio Lower Upper
95 100
174 64.7 47.2 70.8
175 4.5 3.5 5.3





#73
1,3,5-Trimethylbenzene
Concen: 0.135 ppbv m
RT: 15.349 min Scan# 3964
Delta R.T. -0.013 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40

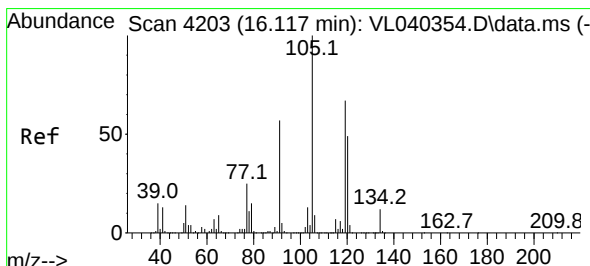
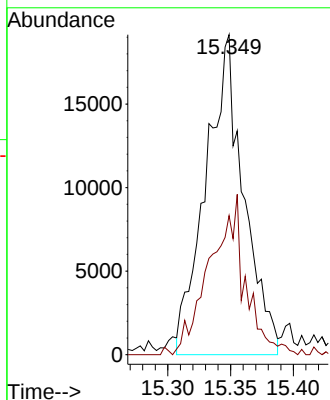
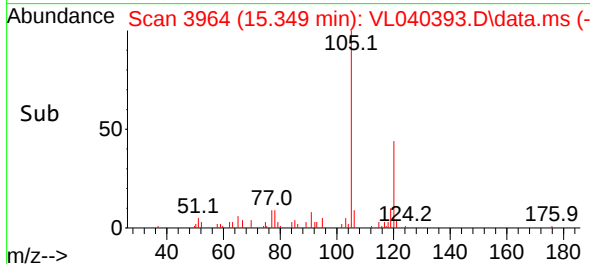
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230417DL



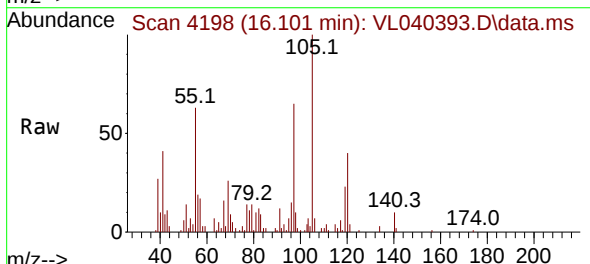
Tgt Ion:105 Resp: 40338
Ion Ratio Lower Upper
105 100
120 43.4 36.9 55.3

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.155 ppbv m
RT: 16.101 min Scan# 4198
Delta R.T. -0.016 min
Lab File: VL040393.D
Acq: 19 Apr 2023 23:40



Tgt Ion:105 Resp: 52812
Ion Ratio Lower Upper
105 100
120 40.3 38.9 58.3
91 12.2 46.0 69.0#
77 14.3 20.0 30.0#

