

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041553.D
 Acq On : 19 Aug 2024 18:40
 Operator : SY/MD
 Sample : P3658-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024
 Supervised By :Mahesh Dadoda 08/20/2024

Quant Time: Aug 20 02:21:00 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 20 02:21:00 2024

QLast Update : Tue Aug 20 02:10:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1030622	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2761835	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2521136	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	2078013	10.710	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.100%
Target Compounds						
3) Chlorodifluoromethane	2.694	51	31622	0.258	ppbv	97
9) Propene	2.726	41	3016040m	53.512	ppbv	
10) Heptane	7.603	43	42228	0.333	ppbv	87
13) Ethanol	3.275	45	11835m	2.349	ppbv	
15) Acetone	3.491	43	603873m	5.157	ppbv	
19) Isopropyl Alcohol	3.603	45	28457	0.416	ppbv #	93
20) Methylene Chloride	3.954	84	25054	0.574	ppbv	92
26) Hexane	5.230	57	176049	1.824	ppbv #	37
27) Carbon Disulfide	4.140	76	22124	0.196	ppbv #	81
30) Cyclohexane	6.626	84	57417	0.731	ppbv	88
34) 2-Butanone	4.812	43	246732	1.847	ppbv	96
36) Benzene	6.388	78	68230	0.338	ppbv	91
50) 4-Methyl-2-Pentanone	8.227	43	104943	0.498	ppbv	93
53) Toluene	9.243	91	118948	0.529	ppbv	98
58) Ethyl Benzene	12.108	91	46024m	0.158	ppbv	
59) m/p-Xylene	12.365	91	158930m	0.634	ppbv	
60) o-Xylene	13.069	91	57346m	0.242	ppbv	
74) 1,2,4-Trimethylbenzene	16.130	105	82710m	0.296	ppbv	

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

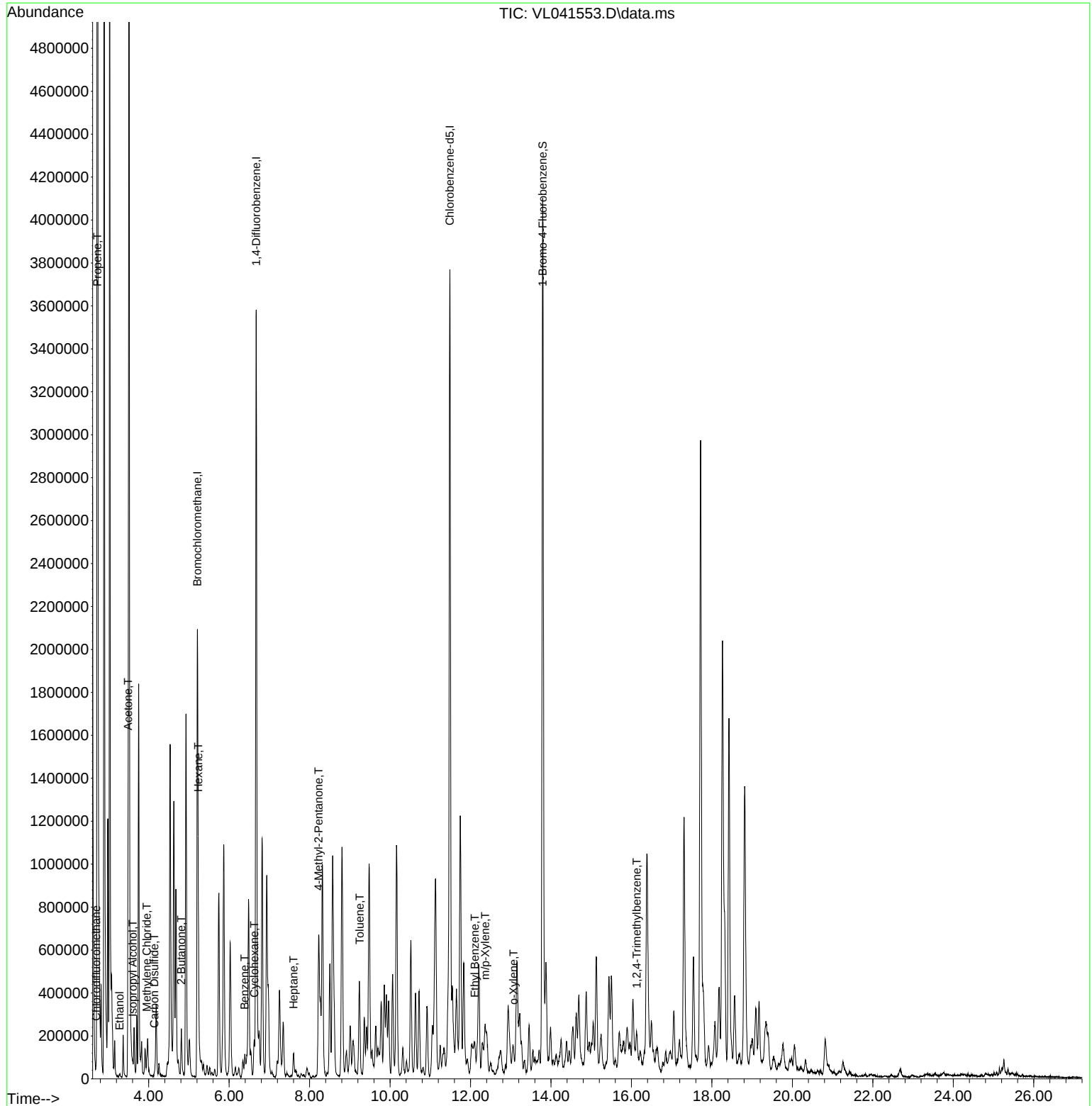
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
Data File : VL041553.D
Acq On : 19 Aug 2024 18:40
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ALS Vial : 1 Sample Multiplier: 1

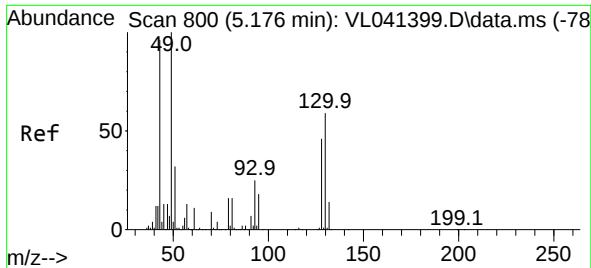
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Quant Time: Aug 20 02:21:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Aug 20 02:10:04 2024
Response via : Initial Calibration

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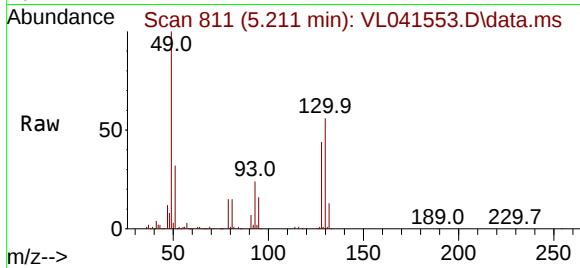
Reviewed By : Semsettin Yesilyurt 08/20/2024
Supervised By : Mahesh Dadoda 08/20/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

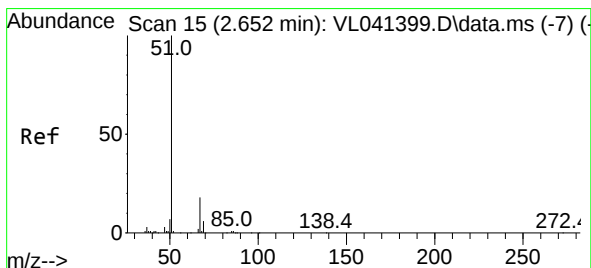
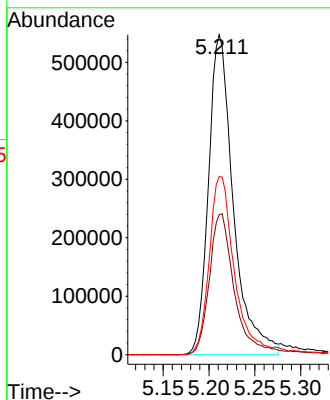
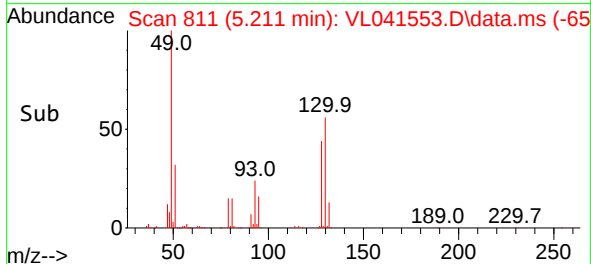
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



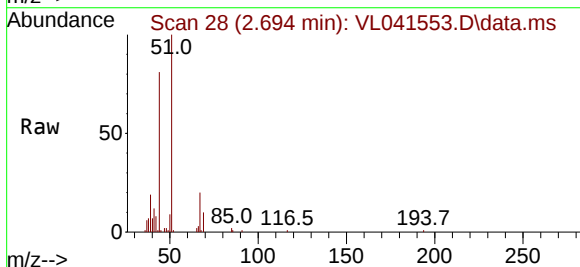
Tgt Ion: 49 Resp: 103062
Ion Ratio Lower Upper
49 100
128 45.6 23.8 71.4
130 59.0 30.8 92.4

Manual Integrations
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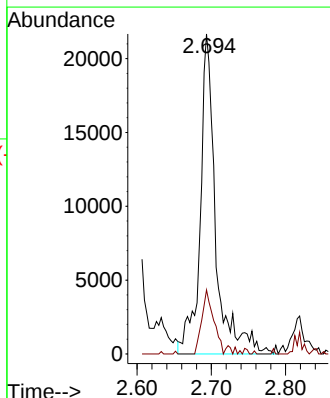
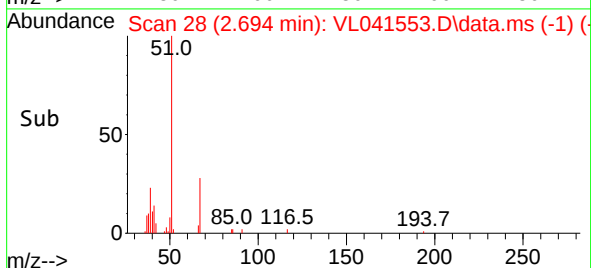
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

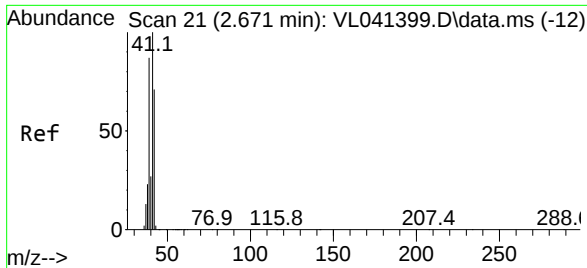


#3
Chlorodifluoromethane
Concen: 0.258 ppbv
RT: 2.694 min Scan# 28
Delta R.T. 0.000 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40



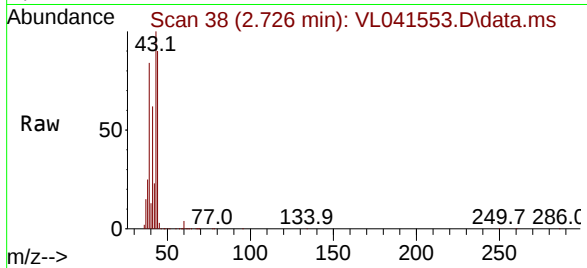
Tgt Ion: 51 Resp: 31622
Ion Ratio Lower Upper
51 100
67 16.8 14.5 21.7





#9
 Propene
 Concen: 53.512 ppbv m
 RT: 2.726 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: VL041553.D
 Acq: 19 Aug 2024 18:40

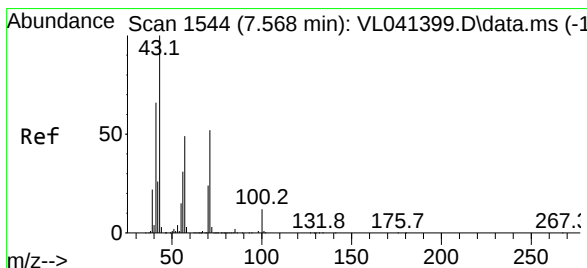
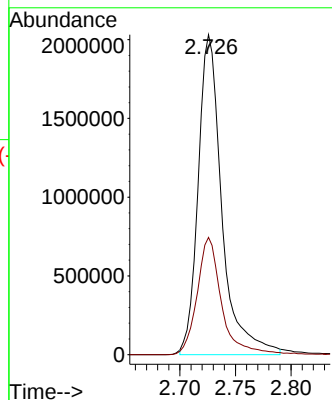
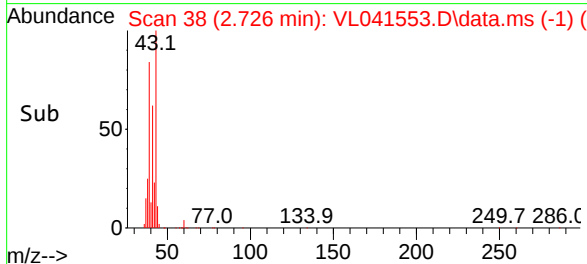
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL



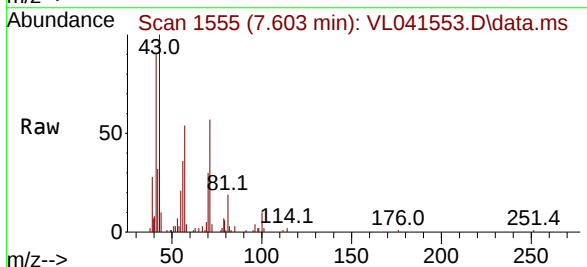
Tgt Ion: 41 Resp: 3016040
 Ion Ratio Lower Upper
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 42 64.1 55.9 83.9

Manual Integrations
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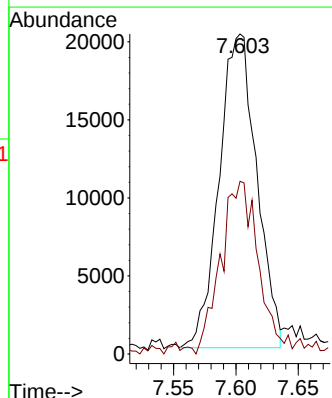
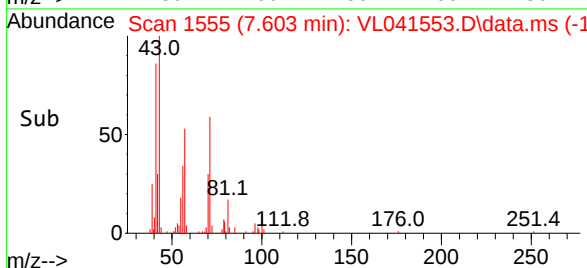
Reviewed By :Semsettin Yesilyurt 08/20/2024
 Supervised By :Mahesh Dadoda 08/20/2024

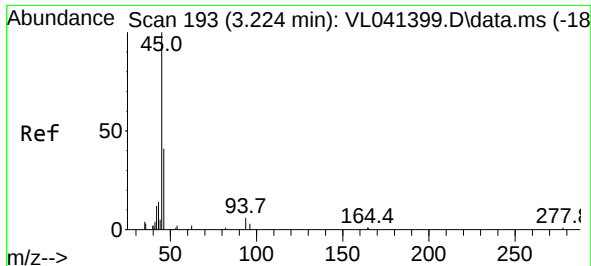


#10
 Heptane
 Concen: 0.333 ppbv
 RT: 7.603 min Scan# 1555
 Delta R.T. 0.006 min
 Lab File: VL041553.D
 Acq: 19 Aug 2024 18:40



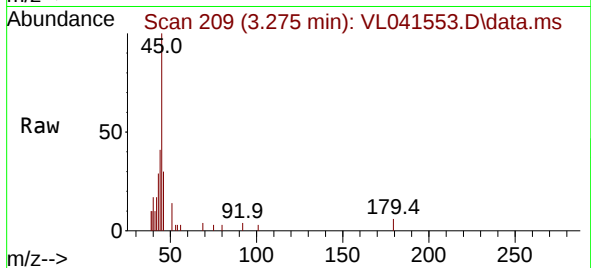
Tgt Ion: 43 Resp: 42228
 Ion Ratio Lower Upper
 43 100
 57 59.9 40.5 60.7





#13
Ethanol
Concen: 2.349 ppbv m
RT: 3.275 min Scan# 209
Delta R.T. 0.019 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

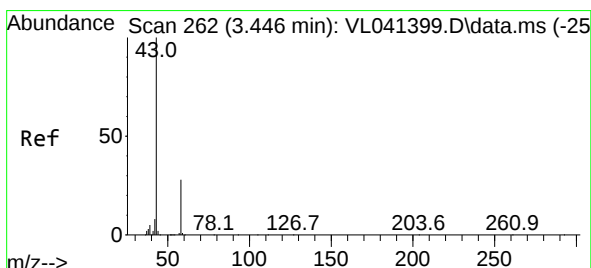
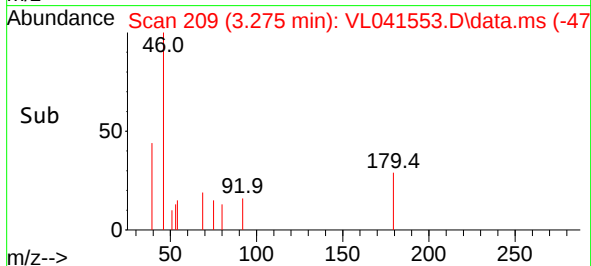
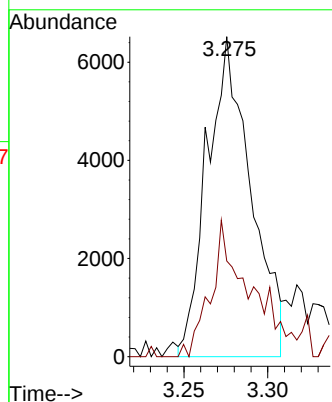
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 45 Resp: 1183
Ion Ratio Lower Upper
45 100
46 0.0 13.4 53.4

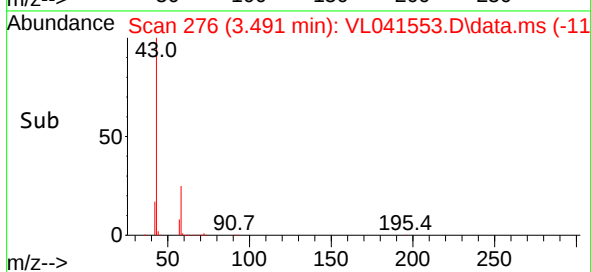
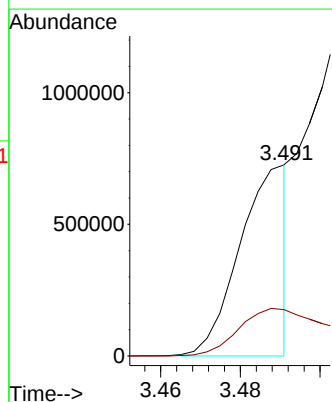
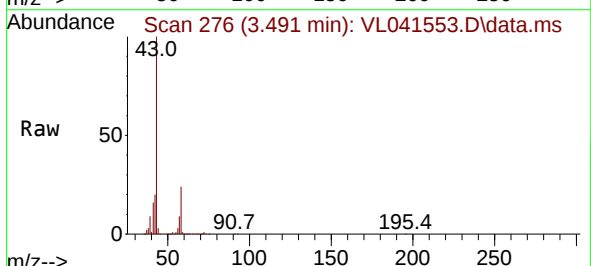
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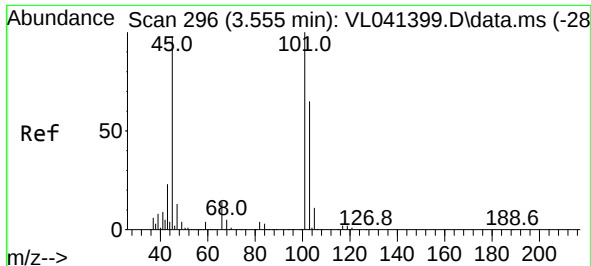
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#15
Acetone
Concen: 5.157 ppbv m
RT: 3.491 min Scan# 276
Delta R.T. 0.006 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

Tgt Ion: 43 Resp: 603873
Ion Ratio Lower Upper
43 100
58 65.3 21.4 32.2





#19

Isopropyl Alcohol

Concen: 0.416 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.013 min

Lab File: VL041553.D

Acq: 19 Aug 2024 18:40

Instrument :

MSVOA_L

ClientSampleId :

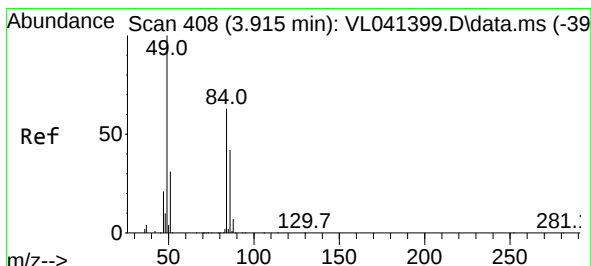
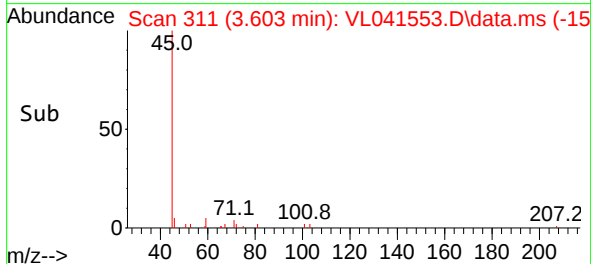
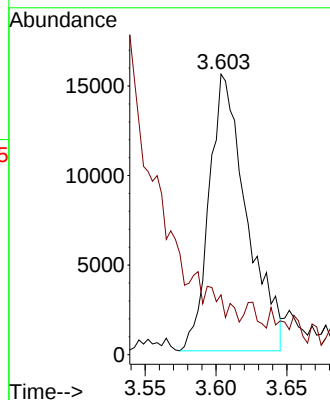
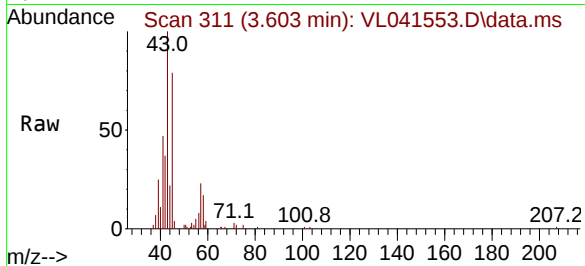
SV2DL

Tgt Ion: 45 Resp: 2845
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.9 2.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/20/2024
 Supervised By :Mahesh Dadoda 08/20/2024



#20

Methylene Chloride

Concen: 0.574 ppbv

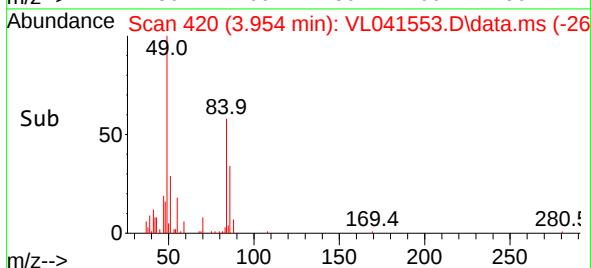
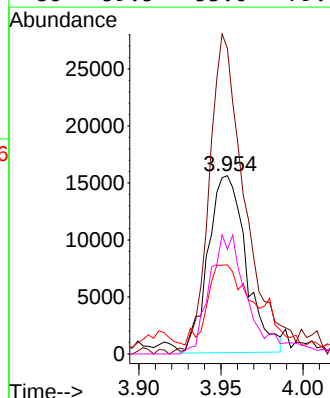
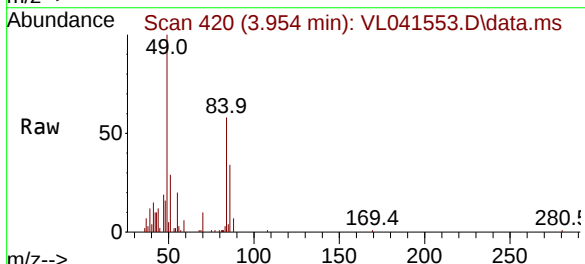
RT: 3.954 min Scan# 420

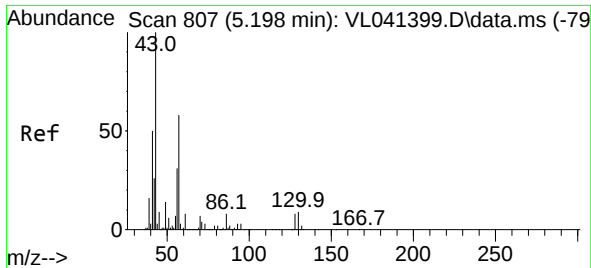
Delta R.T. 0.003 min

Lab File: VL041553.D

Acq: 19 Aug 2024 18:40

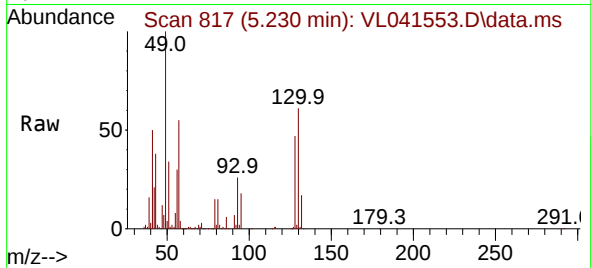
Tgt Ion: 84 Resp: 25054
 Ion Ratio Lower Upper
 84 100
 49 170.4 126.6 190.0
 51 44.6 38.6 58.0
 86 59.5 53.0 79.4





#26
Hexane
Concen: 1.824 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.000 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

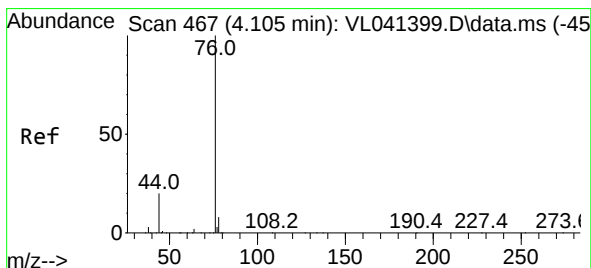
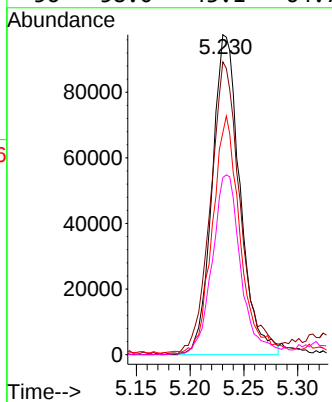
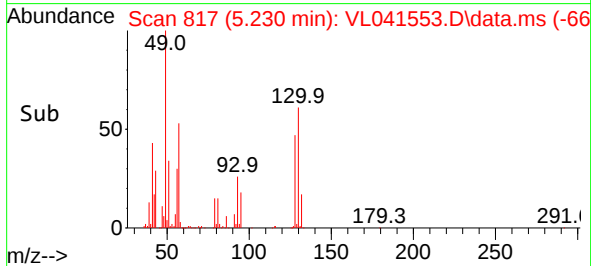
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



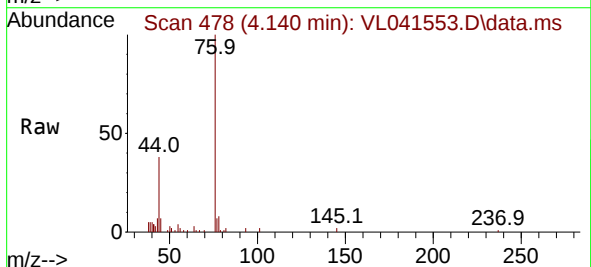
Tgt Ion: 57 Resp: 176049
Ion Ratio Lower Upper
57 100
41 96.3 74.0 111.0
43 73.5 193.6 290.4
56 58.0 43.1 64.7

Manual Integrations
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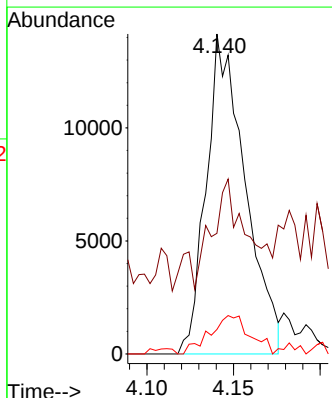
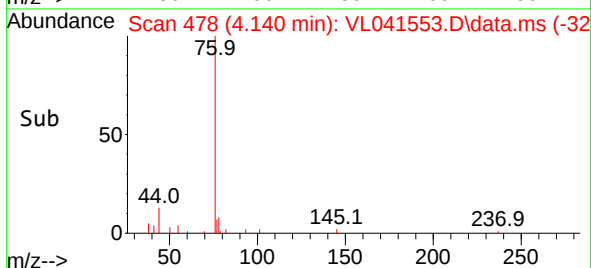
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

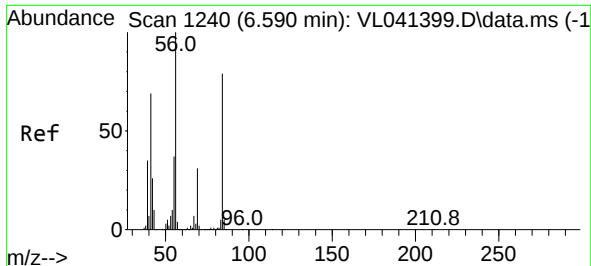


#27
Carbon Disulfide
Concen: 0.196 ppbv
RT: 4.140 min Scan# 478
Delta R.T. -0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40



Tgt Ion: 76 Resp: 22124
Ion Ratio Lower Upper
76 100
44 28.5 15.6 23.4#
78 15.5 7.7 11.5#





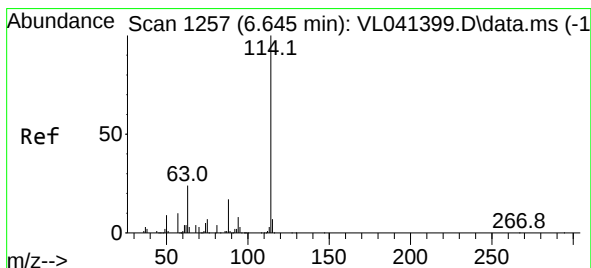
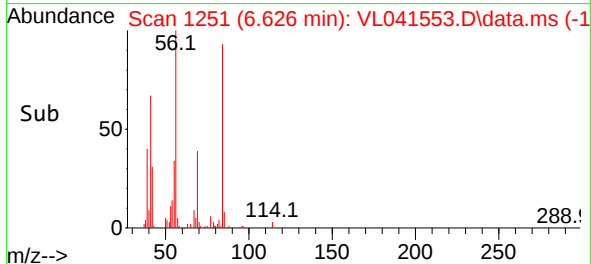
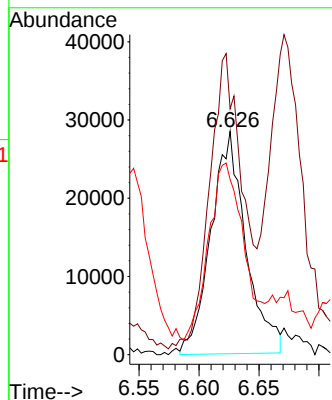
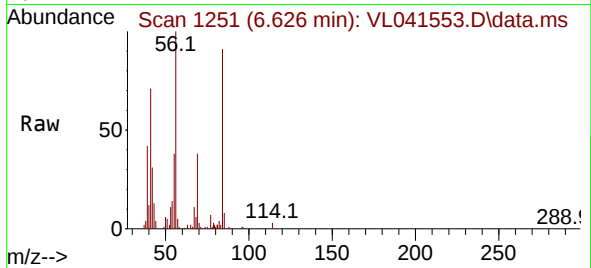
#30
Cyclohexane
Concen: 0.731 ppbv
RT: 6.626 min Scan# 1240
Delta R.T. 0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 84 Resp: 5741
Ion Ratio Lower Upper
84 100
56 117.1 111.2 166.8
41 84.9 70.3 105.5

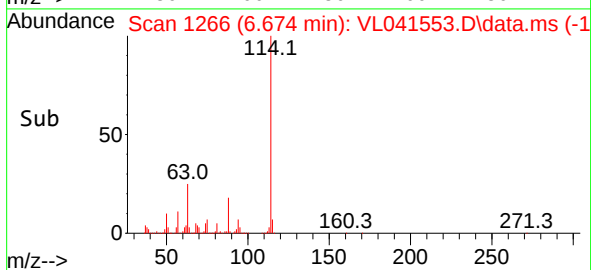
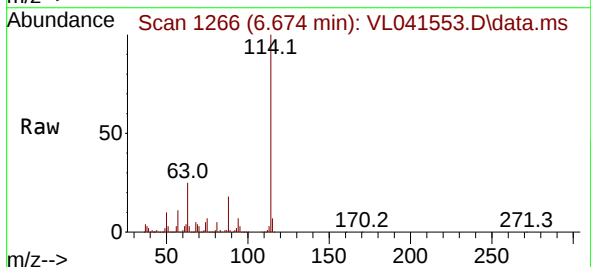
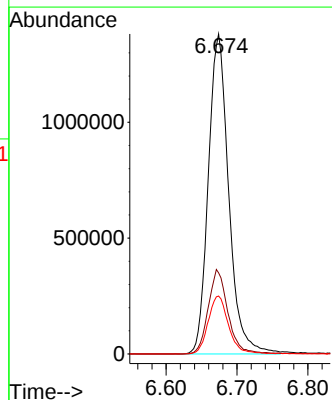
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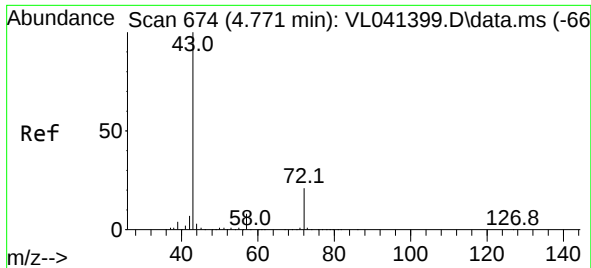
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

Tgt Ion:114 Resp: 2761835
Ion Ratio Lower Upper
114 100
63 25.6 20.3 30.5
88 18.0 14.3 21.5





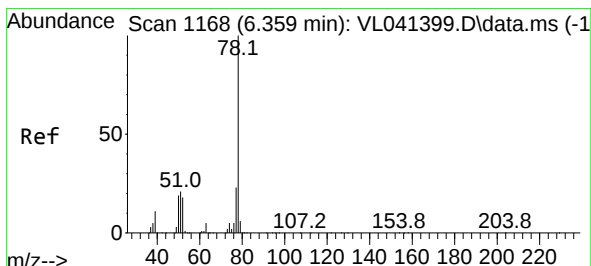
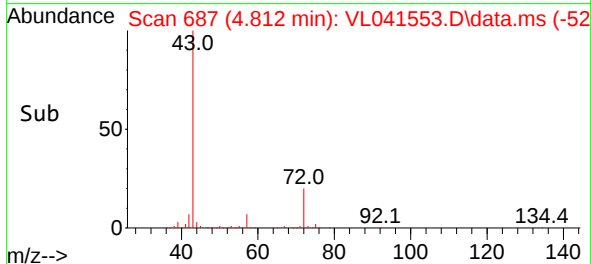
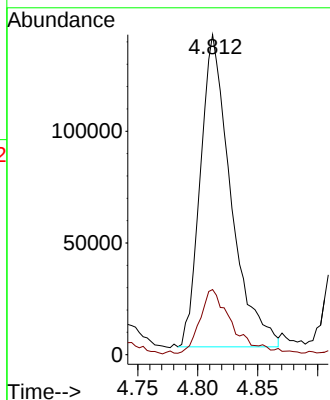
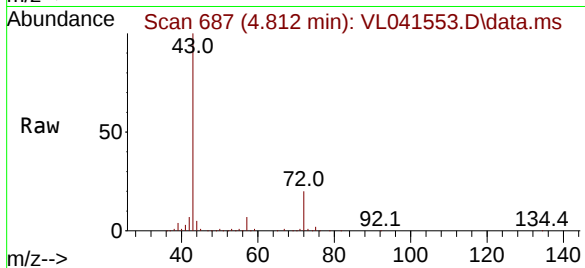
#34
2-Butanone
Concen: 1.847 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 43 Resp: 246732
Ion Ratio Lower Upper
43 100
72 23.3 17.3 25.9

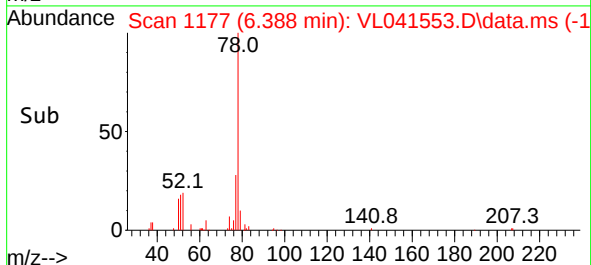
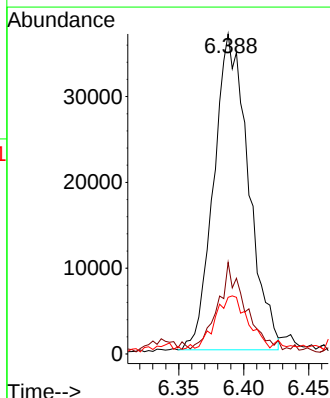
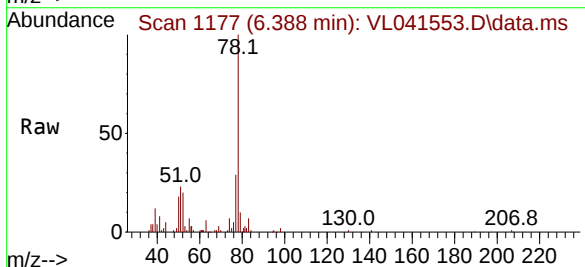
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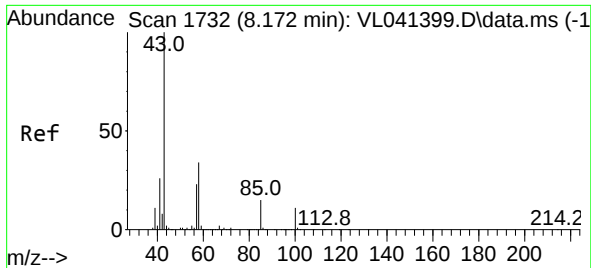
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#36
Benzene
Concen: 0.338 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

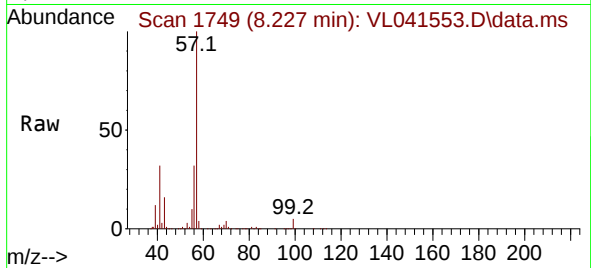
Tgt Ion: 78 Resp: 68230
Ion Ratio Lower Upper
78 100
77 27.1 18.1 27.1
50 15.5 15.5 23.3





#50
4-Methyl-2-Pentanone
Concen: 0.498 ppbv
RT: 8.227 min Scan# 1749
Delta R.T. 0.029 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

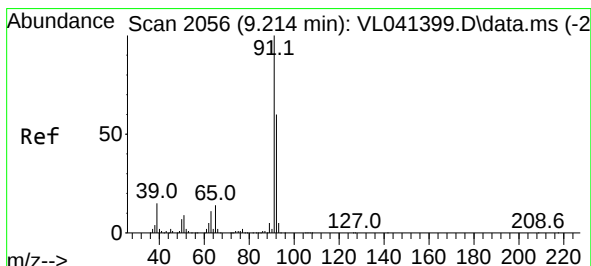
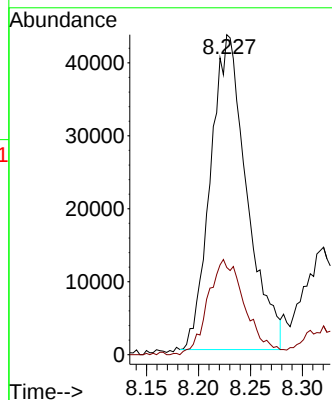
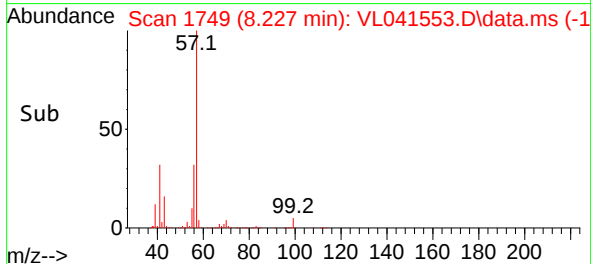
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 43 Resp: 10494
Ion Ratio Lower Upper
43 100
58 31.1 27.9 41.9

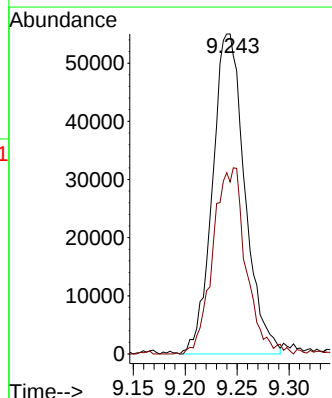
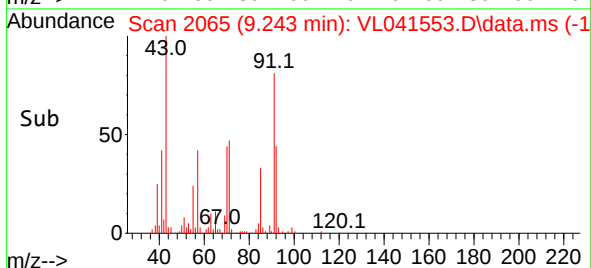
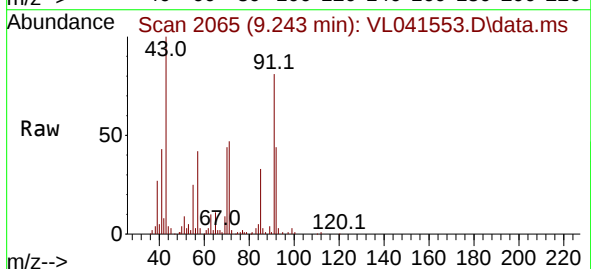
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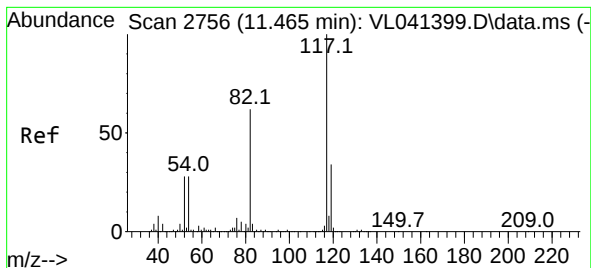
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#53
Toluene
Concen: 0.529 ppbv
RT: 9.243 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

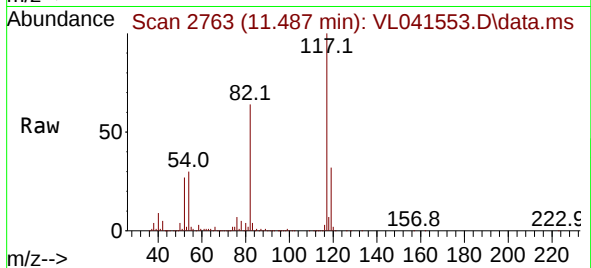
Tgt Ion: 91 Resp: 118948
Ion Ratio Lower Upper
91 100
92 59.4 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

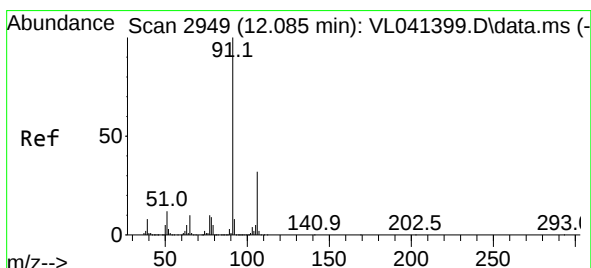
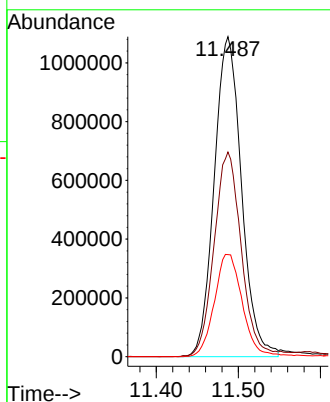
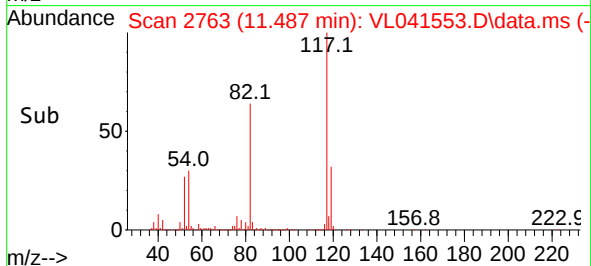
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



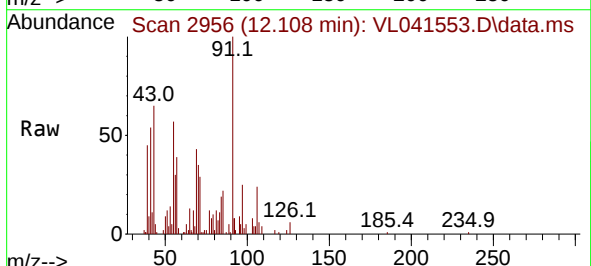
Tgt Ion: 117 Resp: 2521130
Ion Ratio Lower Upper
117 100
82 64.2 51.0 76.6
119 33.3 45.2 67.8

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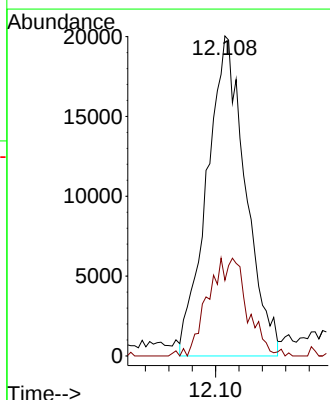
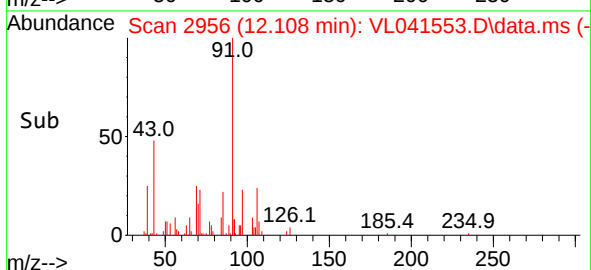
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

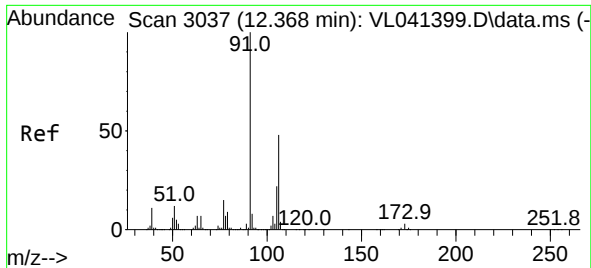


#58
Ethyl Benzene
Concen: 0.158 ppbv m
RT: 12.108 min Scan# 2956
Delta R.T. -0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40



Tgt Ion: 91 Resp: 46024
Ion Ratio Lower Upper
91 100
106 23.7 25.8 38.8





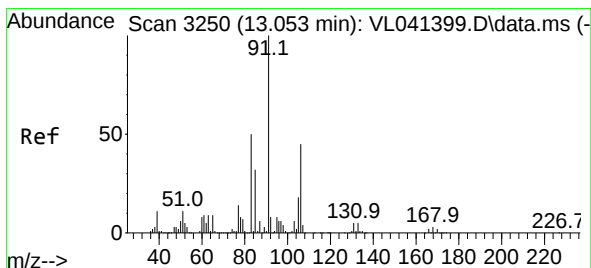
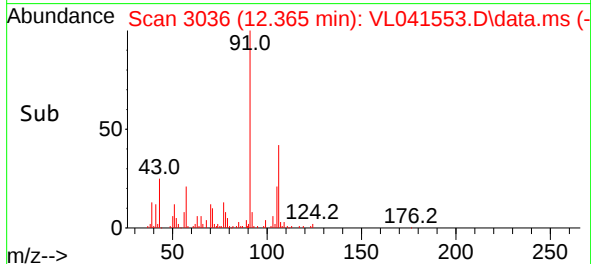
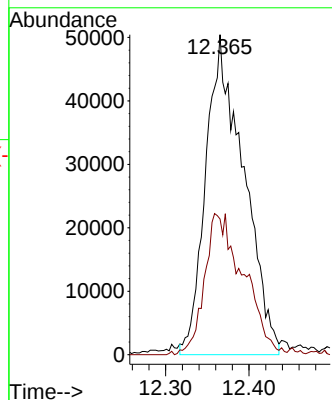
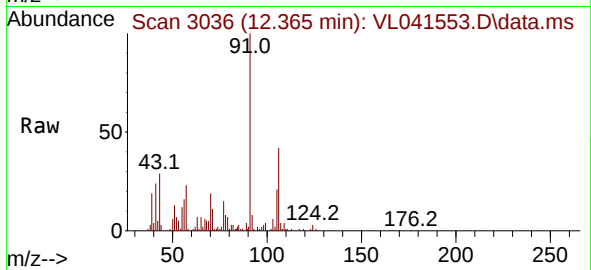
#59
m/p-Xylene
Concen: 0.634 ppbv m
RT: 12.365 min Scan# 3036
Delta R.T. -0.029 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 91 Resp: 158930
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5

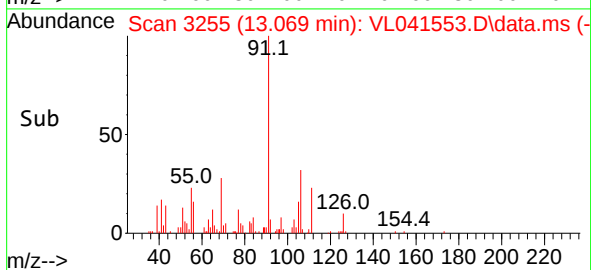
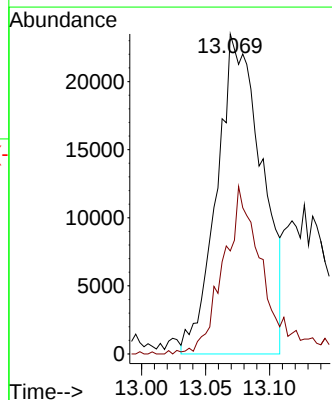
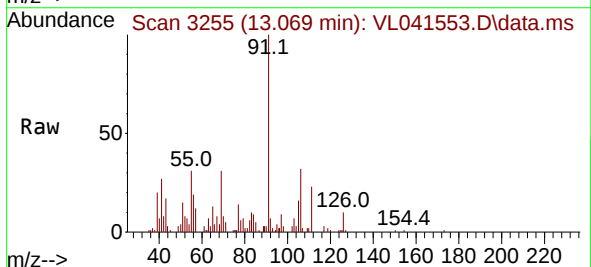
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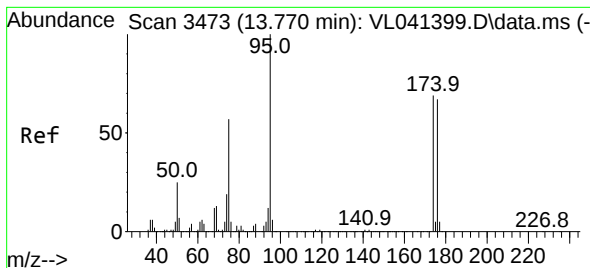
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#60
o-Xylene
Concen: 0.242 ppbv m
RT: 13.069 min Scan# 3255
Delta R.T. -0.010 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

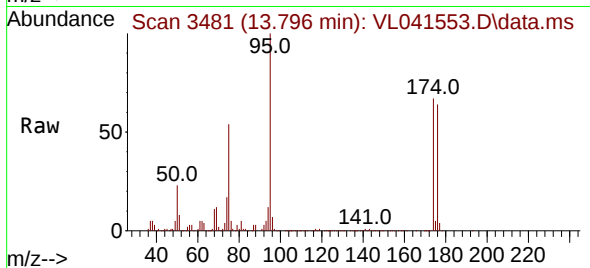
Tgt Ion: 91 Resp: 57346
Ion Ratio Lower Upper
91 100
106 48.0 23.1 69.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.710 ppbv
RT: 13.796 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40

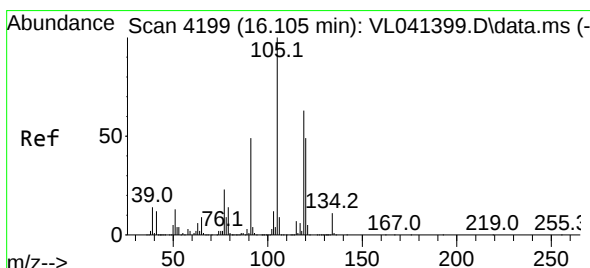
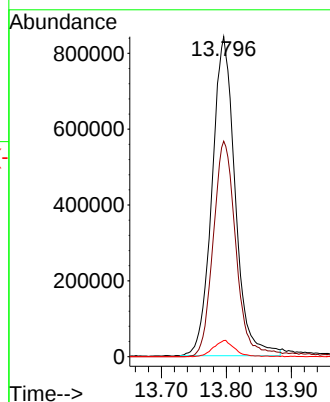
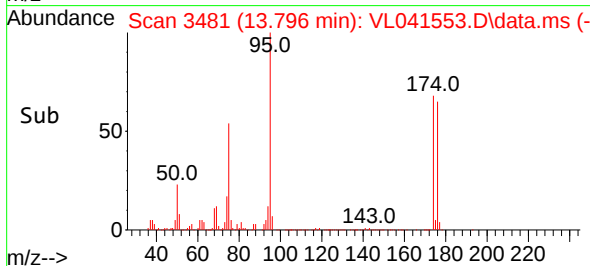
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



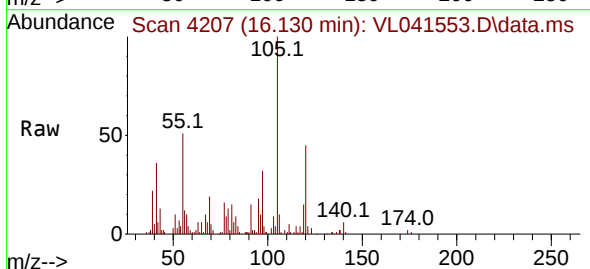
Tgt Ion: 95 Resp: 207801
Ion Ratio Lower Upper
95 100
174 68.4 56.3 84.5
175 4.8 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.296 ppbv m
RT: 16.130 min Scan# 4207
Delta R.T. 0.003 min
Lab File: VL041553.D
Acq: 19 Aug 2024 18:40



Tgt Ion:105 Resp: 82710
Ion Ratio Lower Upper
105 100
120 45.4 39.5 59.3
91 15.3 39.8 59.8#
77 16.2 18.2 27.4#

