

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040611.D
 Acq On : 9 Aug 2023 18:38
 Operator : SY/MD
 Sample : 03907-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/10/2023
 Supervised By : Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:31:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 10 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1021113	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2632451	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2347689	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1855382	9.986	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						Qvalue
7) Chloroethane	3.192	64	2665m	0.113	ppbv	
9) Propene	2.684	41	1102798	19.903	ppbv	96
10) Heptane	7.587	43	55756	0.456	ppbv	91
11) Trichlorofluoromethane	3.558	101	121320	0.736	ppbv	91
13) Ethanol	3.250	45	17615m	1.461	ppbv	
15) Acetone	3.472	43	307703m	2.618	ppbv	
17) tert-Butyl alcohol	3.896	59	33070	0.272	ppbv #	83
20) Methylene Chloride	3.928	84	468711	9.375	ppbv	97
26) Hexane	5.214	57	478606	4.604	ppbv #	39
27) Carbon Disulfide	4.124	76	66375	0.543	ppbv #	93
28) Methyl tert-Butyl Ether	4.597	73	38267	0.457	ppbv	94
29) Chloroform	5.275	83	62726	0.364	ppbv	98
30) Cyclohexane	6.603	84	18742	0.217	ppbv #	76
34) 2-Butanone	4.800	43	87942	0.676	ppbv	97
36) Benzene	6.369	78	67649	0.319	ppbv	96
38) Trichloroethene	7.298	130	44034m	0.550	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	475096	1.394	ppbv #	79
50) 4-Methyl-2-Pentanone	8.205	43	141337m	0.748	ppbv	
51) 2-Hexanone	9.594	43	16997m	0.127	ppbv	
52) Tetrachloroethene	10.626	164	285953	4.169	ppbv	98
53) Toluene	9.230	91	650573	2.828	ppbv	100
58) Ethyl Benzene	12.095	91	51971m	0.176	ppbv	
59) m/p-Xylene	12.359	91	129103m	0.491	ppbv	
60) o-Xylene	13.069	91	45744	0.183	ppbv	99

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

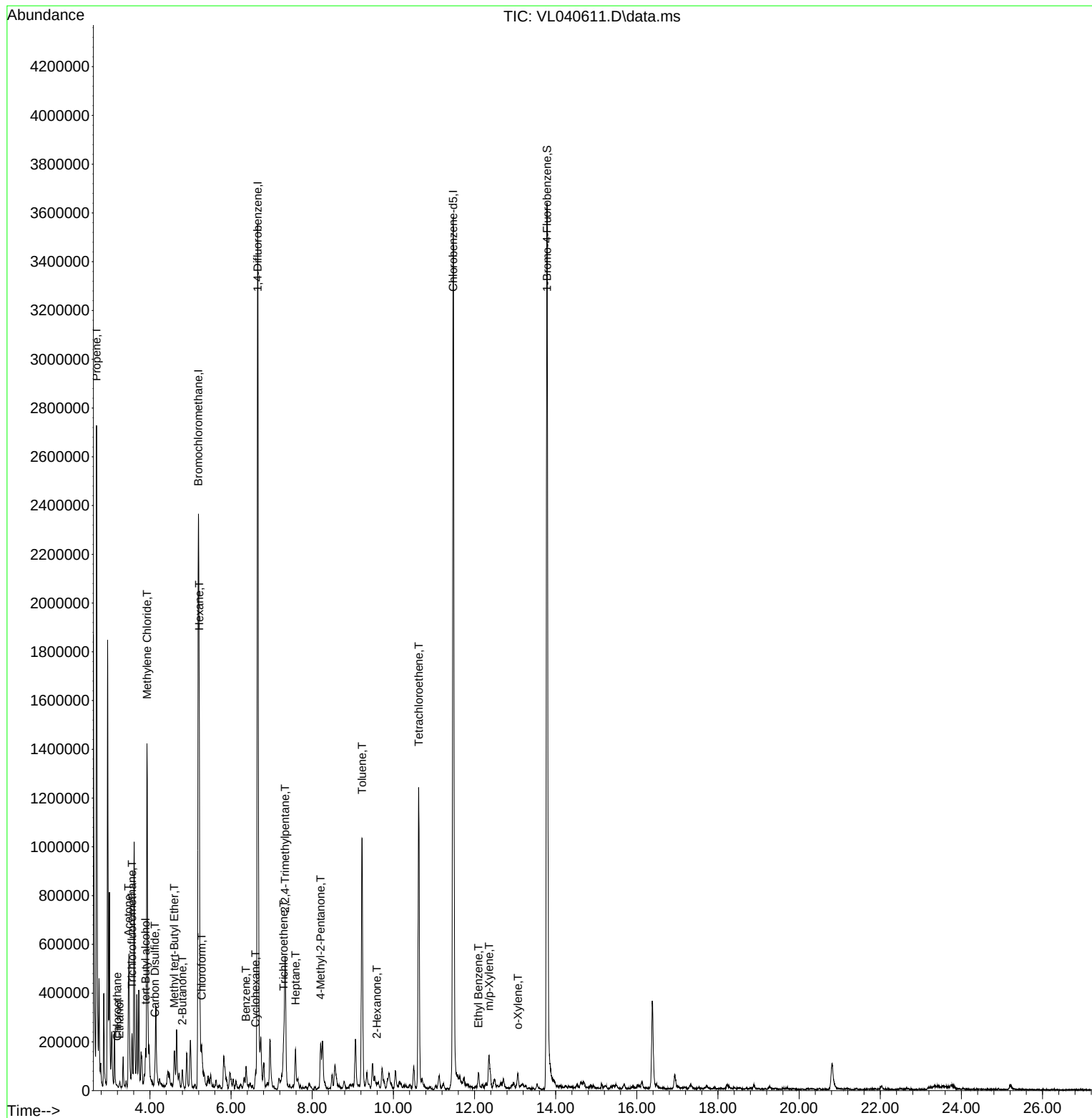
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
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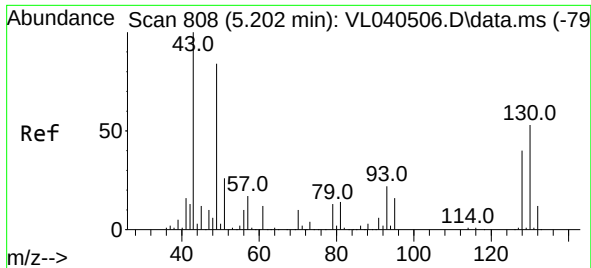
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Aug 10 01:31:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

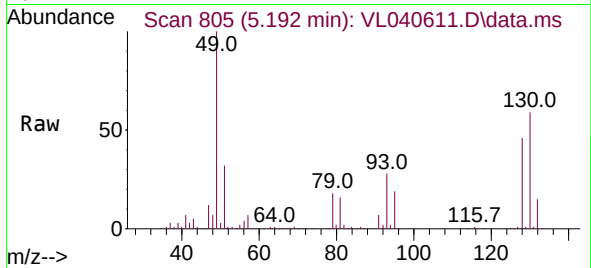
Reviewed By : Semsettin Yesilyurt 08/10/2023
Supervised By : Mahesh Dadoda 08/10/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 808
Delta R.T. -0.010 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

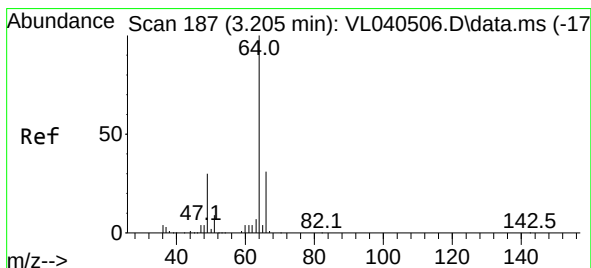
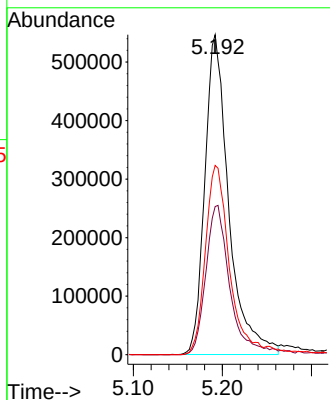
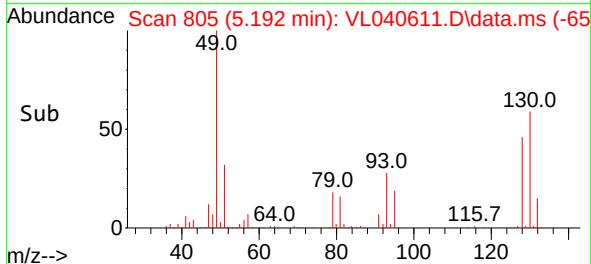
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



Tgt Ion: 49 Resp: 102111
Ion Ratio Lower Upper
49 100
128 47.6 25.1 75.4
130 62.4 31.6 94.7

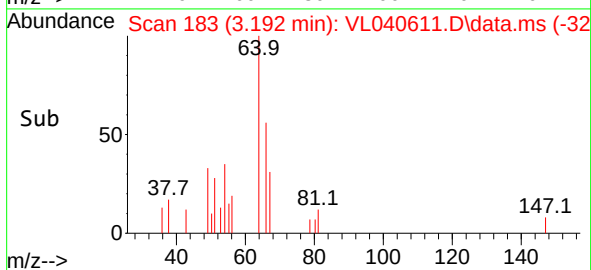
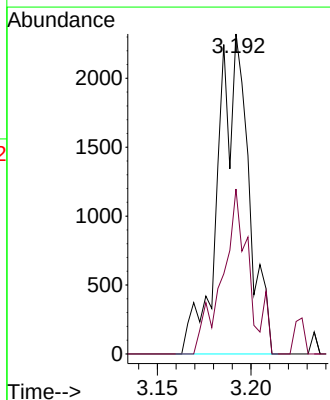
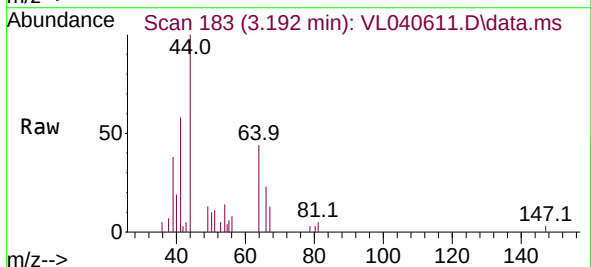
Manual Integrations
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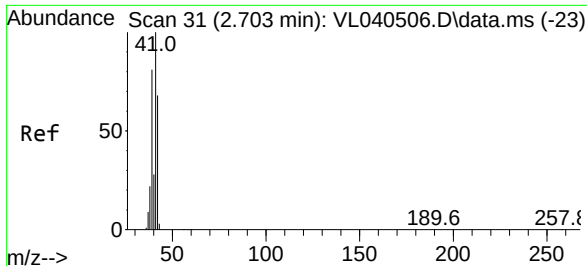
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#7
Chloroethane
Concen: 0.113 ppbv m
RT: 3.192 min Scan# 183
Delta R.T. -0.013 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

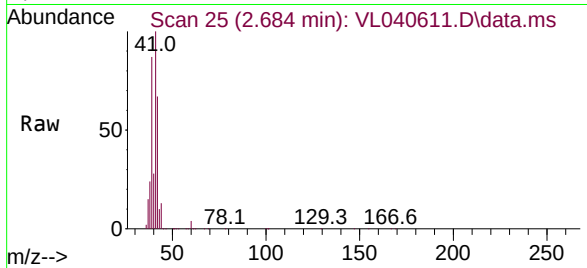
Tgt Ion: 64 Resp: 2665
Ion Ratio Lower Upper
64 100
66 51.6 24.4 36.6#





#9
 Propene
 Concen: 19.903 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.019 min
 Lab File: VL040611.D
 Acq: 9 Aug 2023 18:38

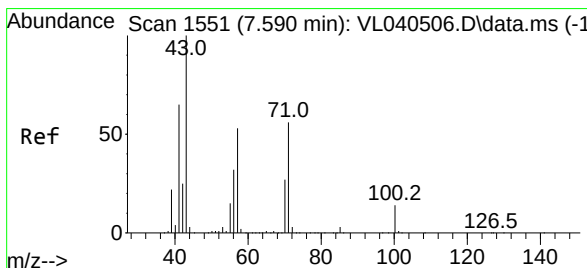
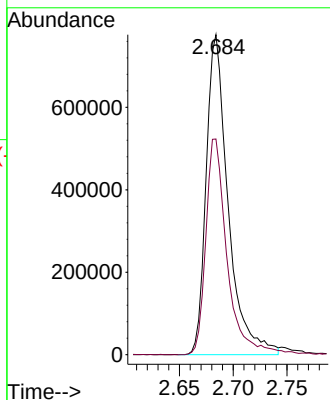
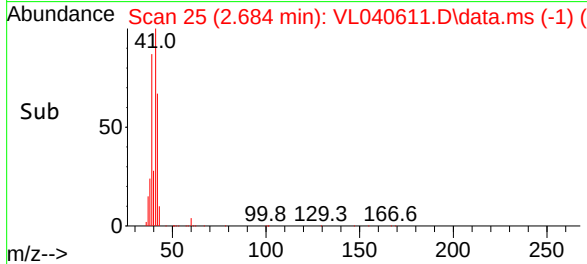
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL



Tgt Ion: 41 Resp: 1102798
 Ion Ratio Lower Upper
 41 100
 42 65.8 55.0 82.6

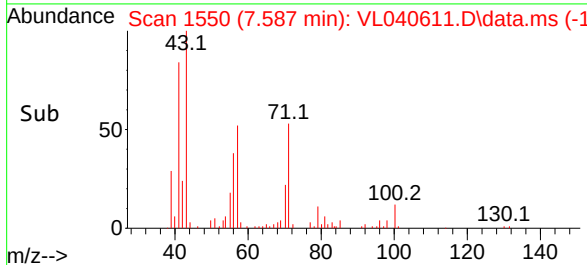
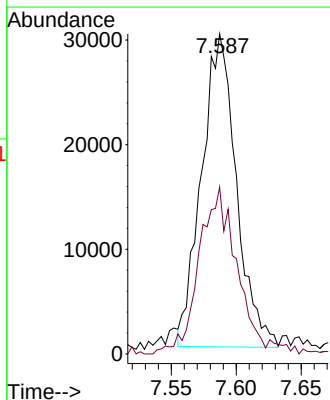
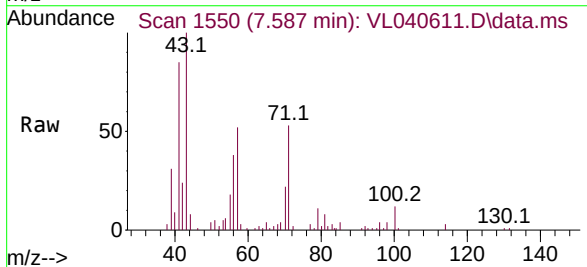
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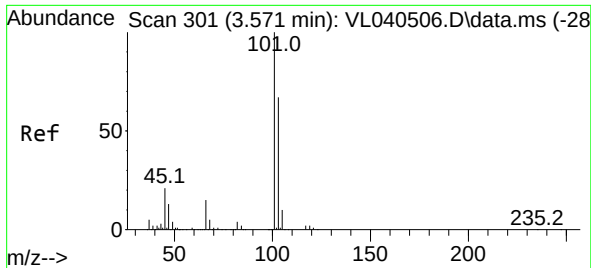
Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023



#10
 Heptane
 Concen: 0.456 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. -0.003 min
 Lab File: VL040611.D
 Acq: 9 Aug 2023 18:38

Tgt Ion: 43 Resp: 55756
 Ion Ratio Lower Upper
 43 100
 57 59.3 42.5 63.7





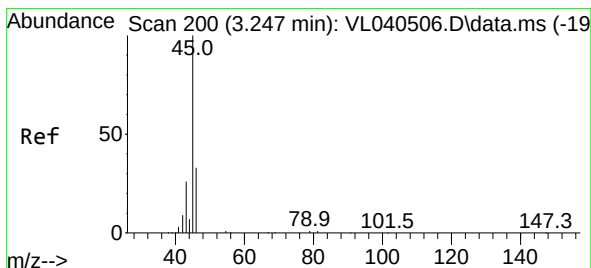
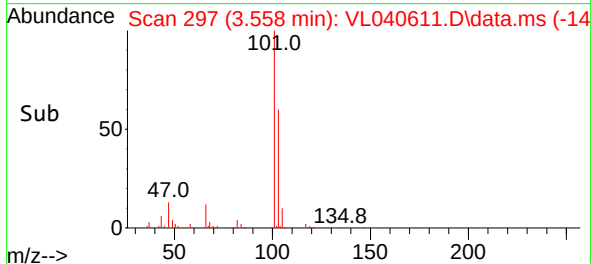
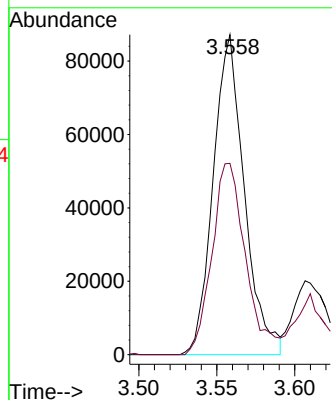
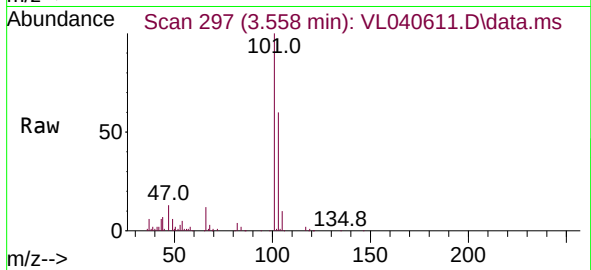
#11
 Trichlorofluoromethane
 Concen: 0.736 ppbv
 RT: 3.558 min Scan# 201
 Delta R.T. -0.013 min
 Lab File: VL040611.D
 Acq: 9 Aug 2023 18:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Tgt Ion:101 Resp: 121320
 Ion Ratio Lower Upper
 101 100
 103 59.8 53.4 80.0

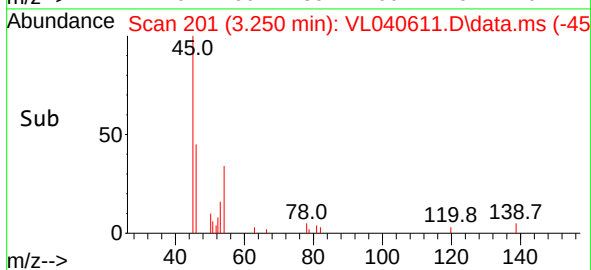
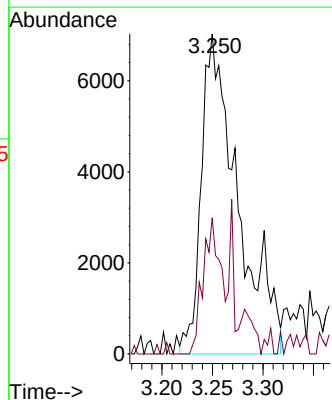
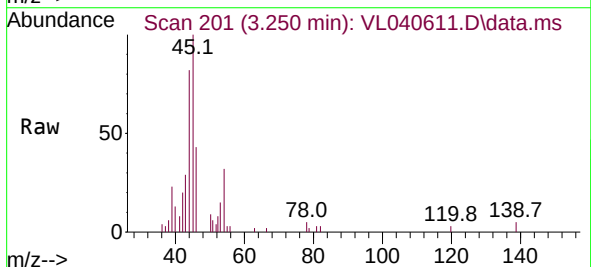
Manual Integrations
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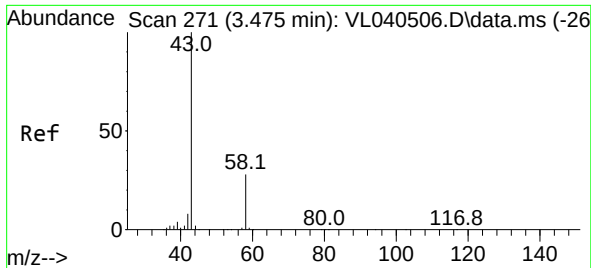
Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023



#13
 Ethanol
 Concen: 1.461 ppbv m
 RT: 3.250 min Scan# 201
 Delta R.T. 0.003 min
 Lab File: VL040611.D
 Acq: 9 Aug 2023 18:38

Tgt Ion: 45 Resp: 17615
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.1#





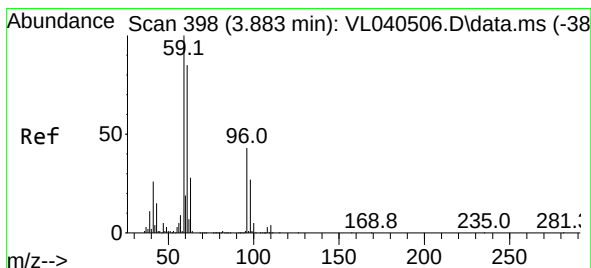
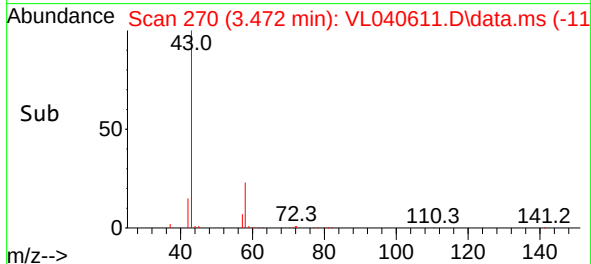
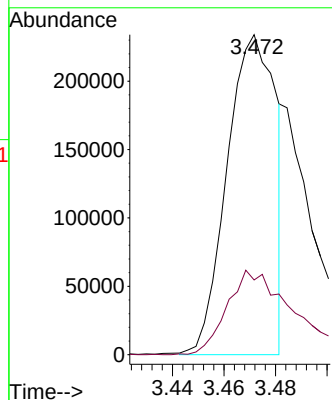
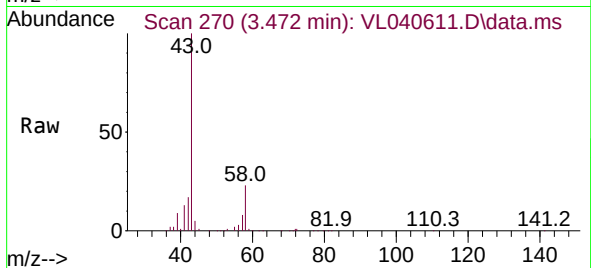
#15
Acetone
Concen: 2.618 ppbv m
RT: 3.472 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 43 Resp: 30770
Ion Ratio Lower Upper
43 100
58 41.2 22.9 34.3

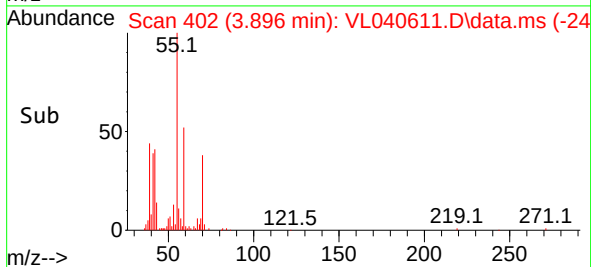
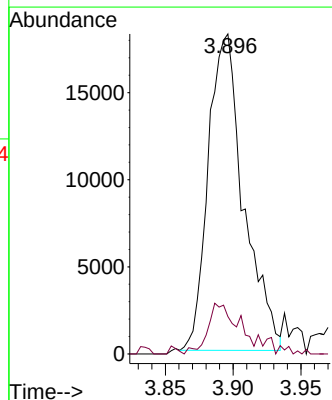
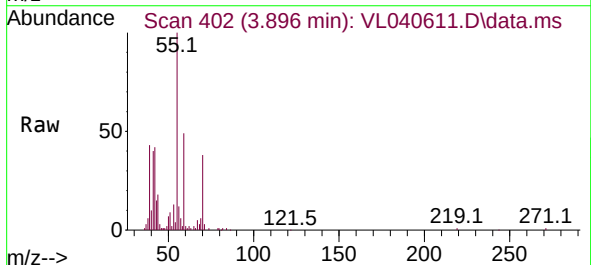
Manual Integrations
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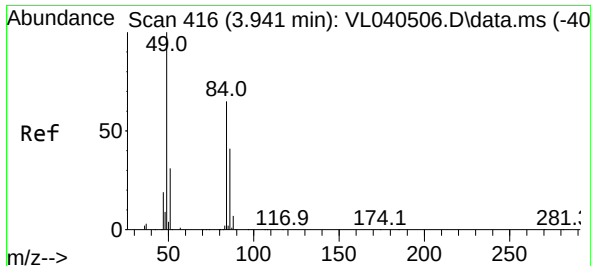
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#17
tert-Butyl alcohol
Concen: 0.272 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.013 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

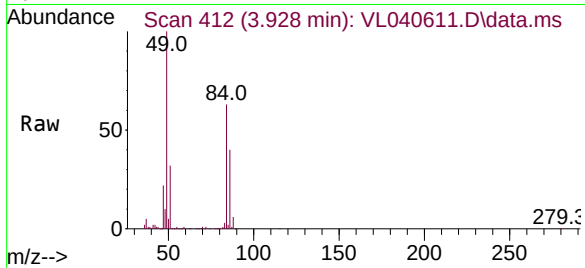
Tgt Ion: 59 Resp: 33070
Ion Ratio Lower Upper
59 100
57 17.5 8.7 13.1





#20
Methylene Chloride
Concen: 9.375 ppbv
RT: 3.928 min Scan# 416
Delta R.T. -0.013 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

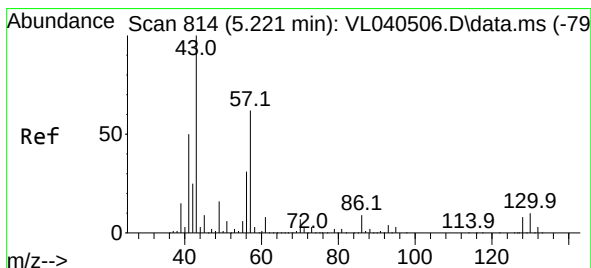
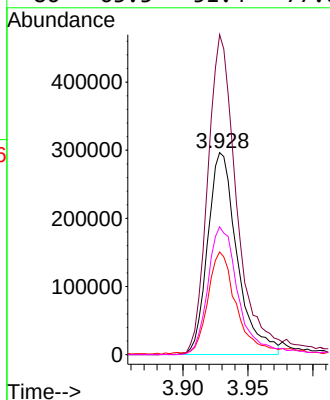
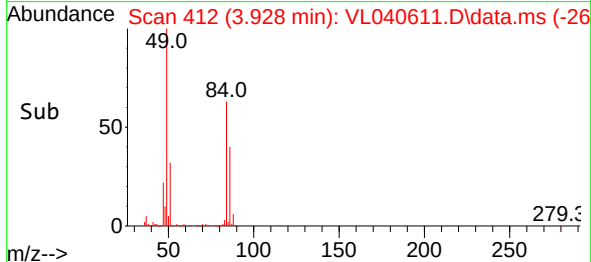
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



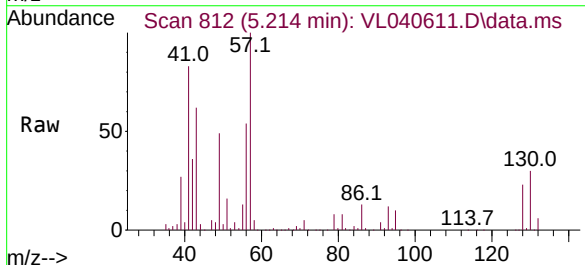
Tgt Ion: 84 Resp: 468711
Ion Ratio Lower Upper
84 100
49 158.2 123.4 185.2
51 49.7 38.3 57.5
86 63.3 51.4 77.0

Manual Integrations
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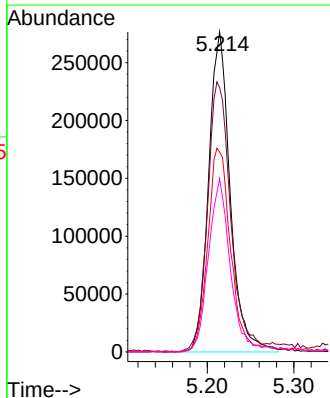
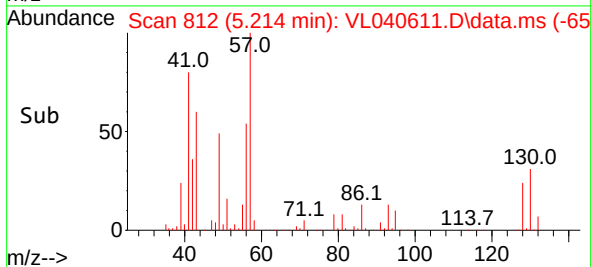
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

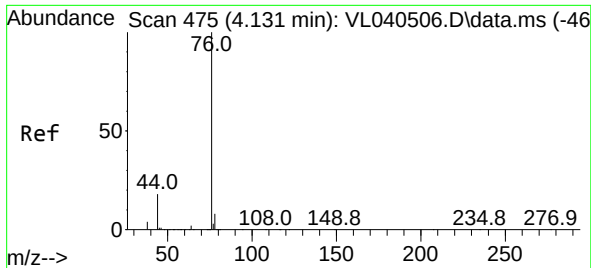


#26
Hexane
Concen: 4.604 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.006 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38



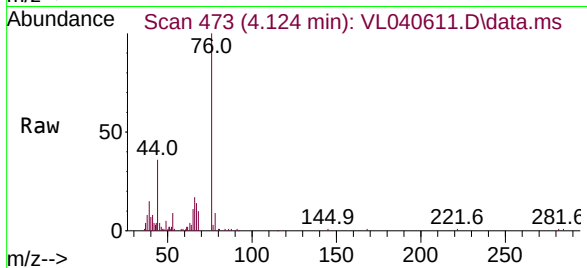
Tgt Ion: 57 Resp: 478606
Ion Ratio Lower Upper
57 100
41 94.1 69.5 104.3
43 68.1 177.1 265.7#
56 56.9 42.3 63.5





#27
Carbon Disulfide
Concen: 0.543 ppbv
RT: 4.124 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

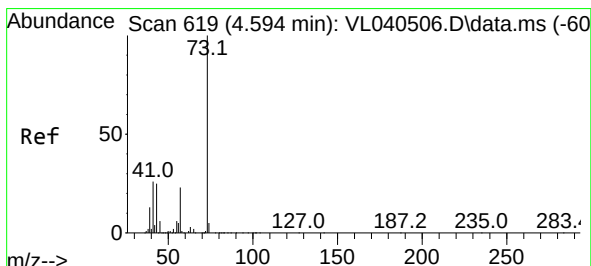
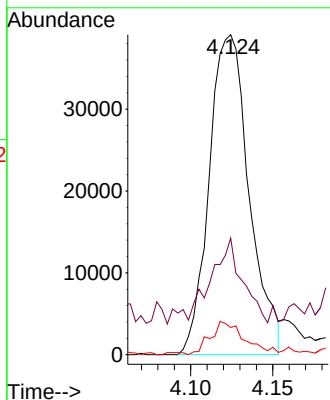
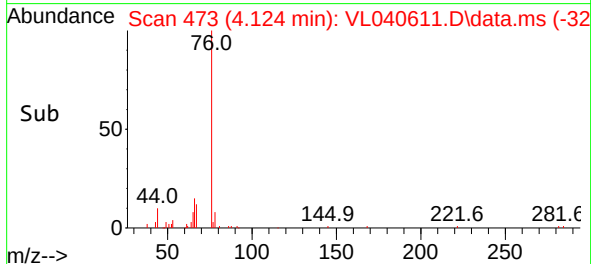
Instrument :
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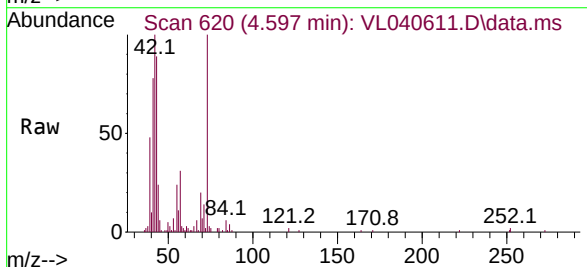
Tgt Ion: 76 Resp: 66375
Ion Ratio Lower Upper
76 100
44 23.3 15.1 22.7
78 10.4 7.5 11.3

Manual Integrations
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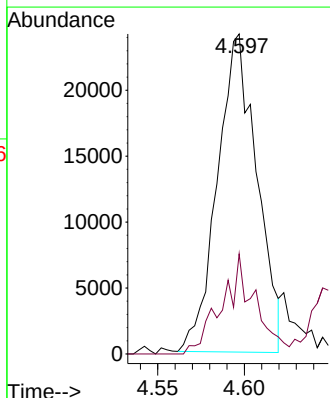
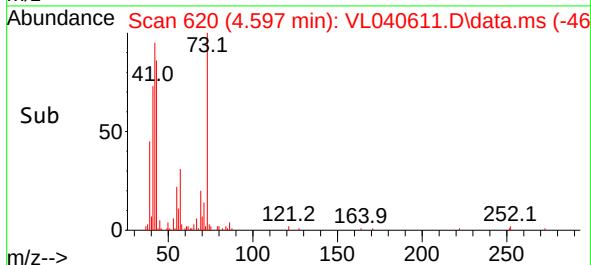
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

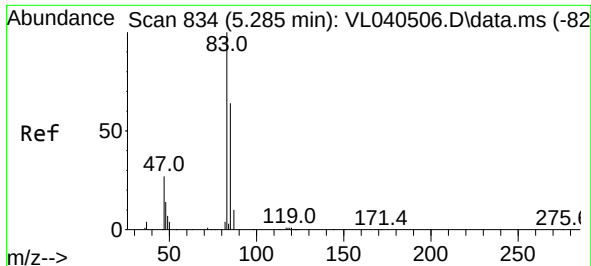


#28
Methyl tert-Butyl Ether
Concen: 0.457 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.003 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38



Tgt Ion: 73 Resp: 38267
Ion Ratio Lower Upper
73 100
57 26.5 18.8 28.2





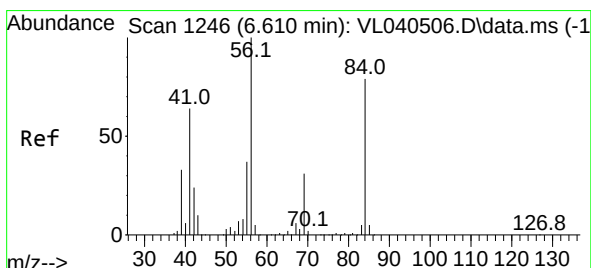
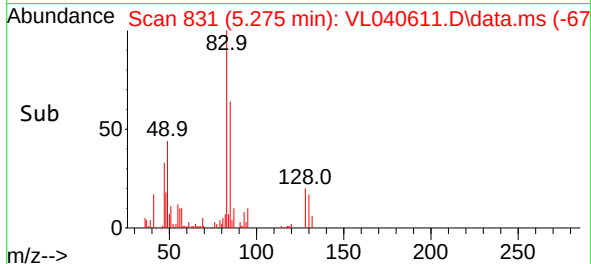
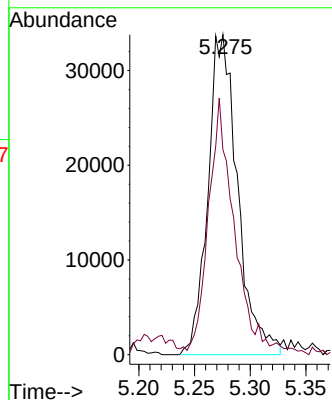
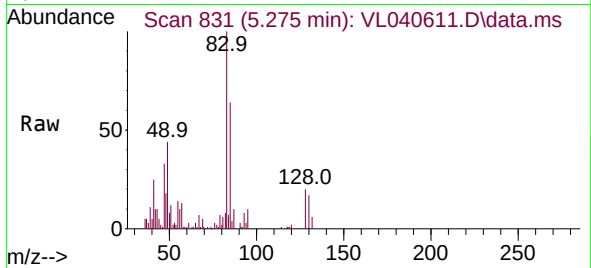
#29
Chloroform
Concen: 0.364 ppbv
RT: 5.275 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 83 Resp: 62720
Ion Ratio Lower Upper
83 100
85 62.1 51.1 76.7

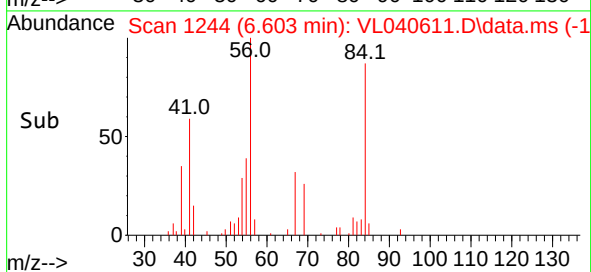
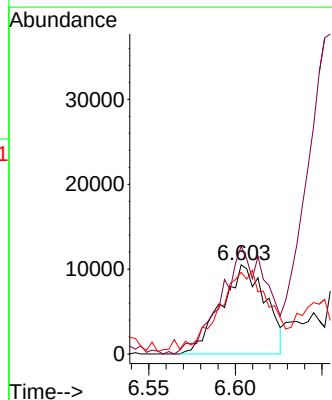
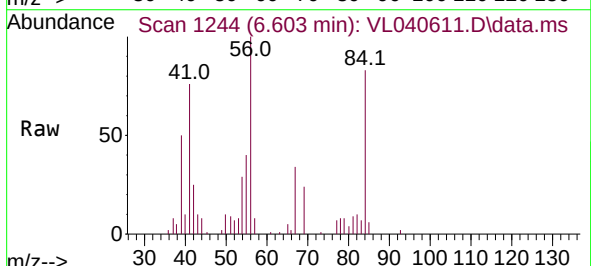
Manual Integrations
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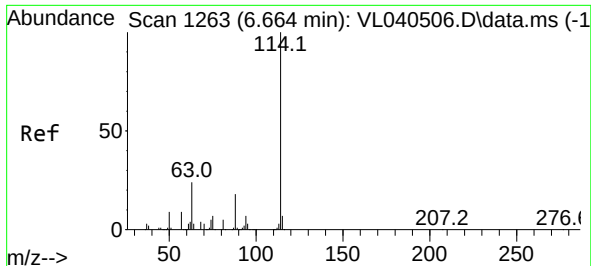
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#30
Cyclohexane
Concen: 0.217 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. -0.006 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

Tgt Ion: 84 Resp: 18742
Ion Ratio Lower Upper
84 100
56 103.7 108.7 163.1#
41 97.0 64.5 96.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.010 min

Lab File: VL040611.D

Acq: 9 Aug 2023 18:38

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tgt Ion:114 Resp: 263245

Ion Ratio Lower Upper

114 100

63 25.5 19.6 29.4

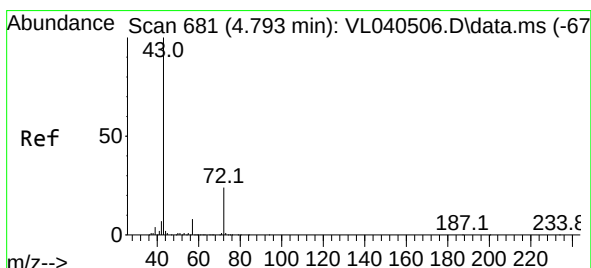
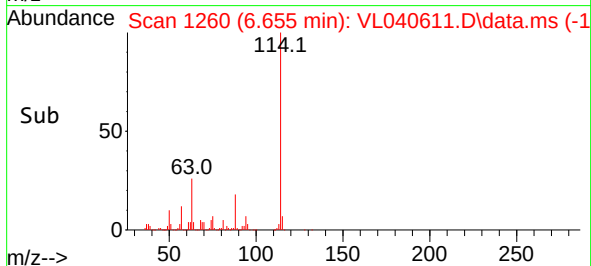
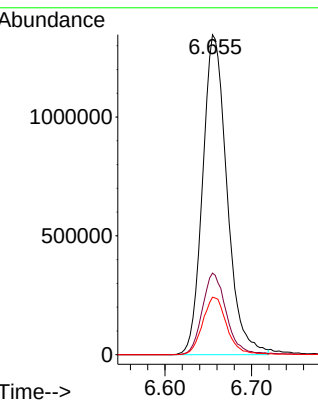
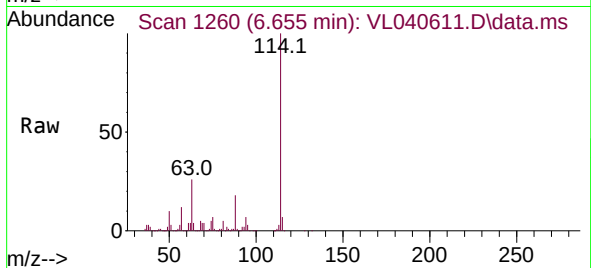
88 18.1 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#34

2-Butanone

Concen: 0.676 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.006 min

Lab File: VL040611.D

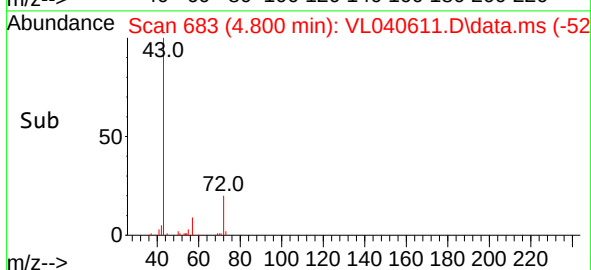
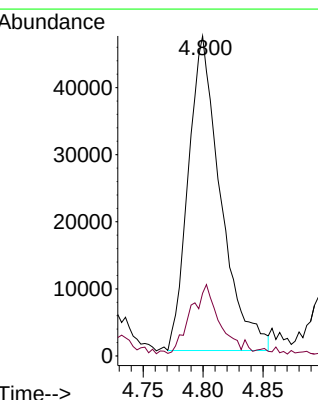
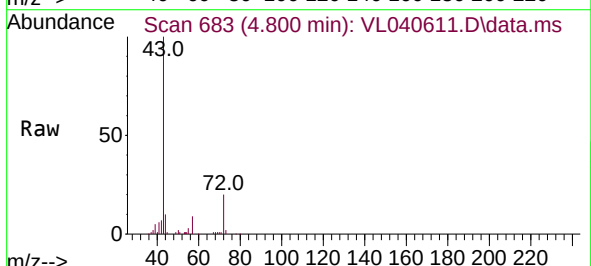
Acq: 9 Aug 2023 18:38

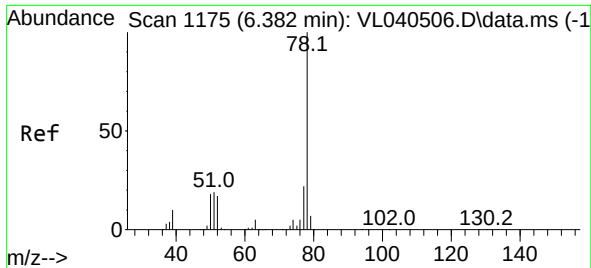
Tgt Ion: 43 Resp: 87942

Ion Ratio Lower Upper

43 100

72 25.2 19.1 28.7





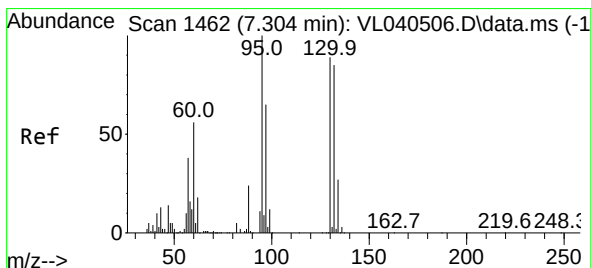
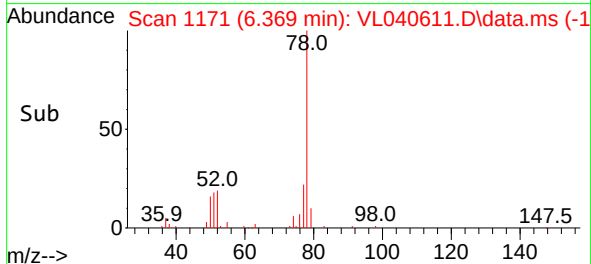
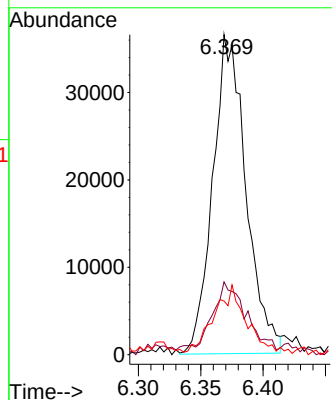
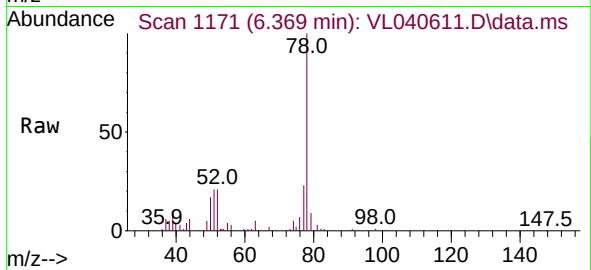
#36
Benzene
Concen: 0.319 ppbv
RT: 6.369 min Scan# 1175
Delta R.T. -0.013 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 78 Resp: 67649
Ion Ratio Lower Upper
78 100
77 20.7 17.4 26.0
50 15.2 14.4 21.6

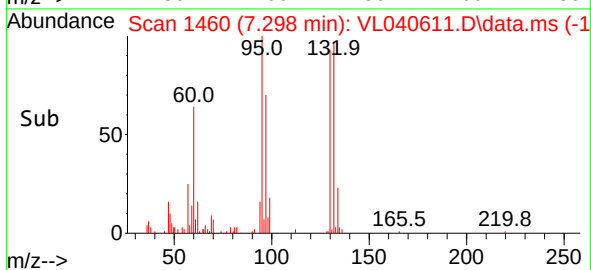
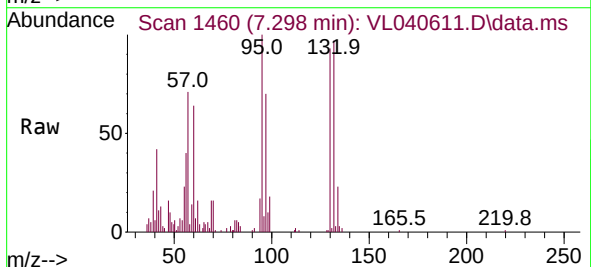
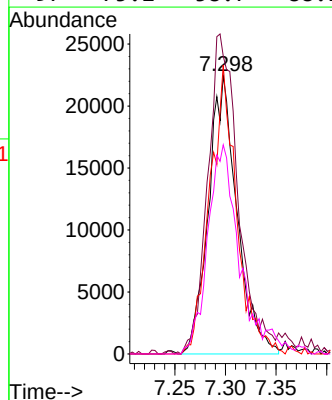
Manual Integrations
APPROVED

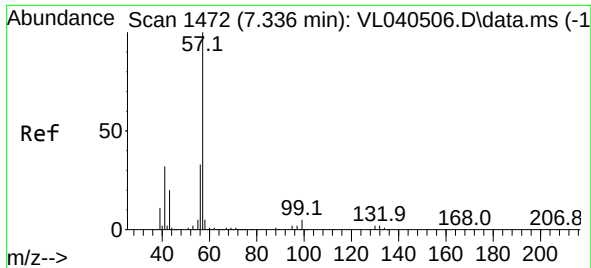
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#38
Trichloroethene
Concen: 0.550 ppbv m
RT: 7.298 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

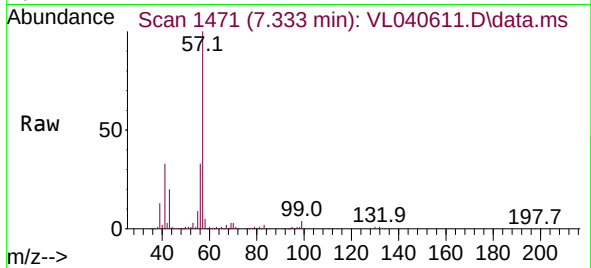
Tgt Ion:130 Resp: 44034
Ion Ratio Lower Upper
130 100
95 107.1 90.2 135.2
132 103.8 76.3 114.5
97 75.2 58.7 88.1





#44
2,2,4-Trimethylpentane
Concen: 1.394 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. -0.003 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

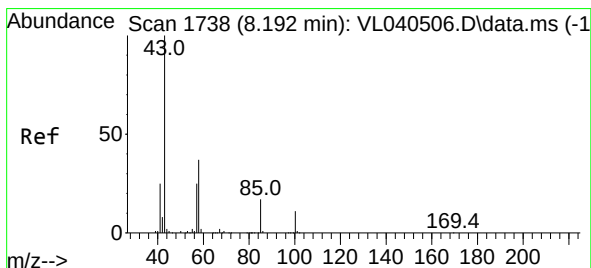
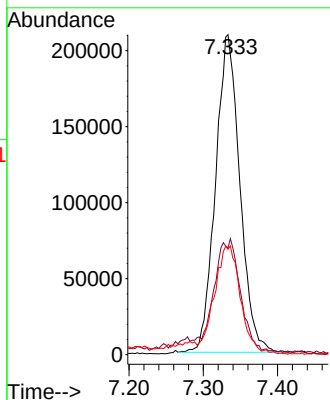
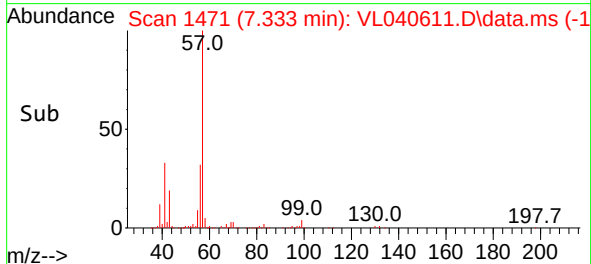
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



Tgt Ion: 57 Resp: 475090
Ion Ratio Lower Upper
57 100
41 44.4 25.5 38.3
56 42.1 25.1 37.7

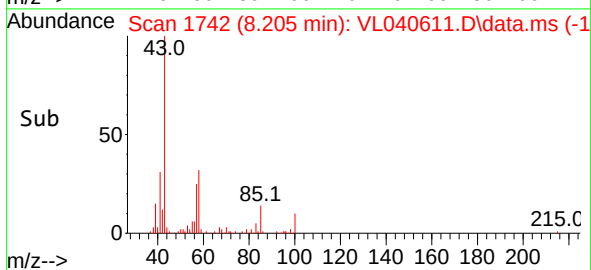
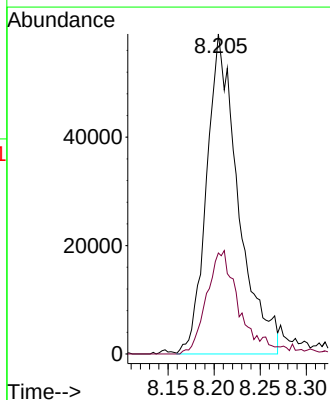
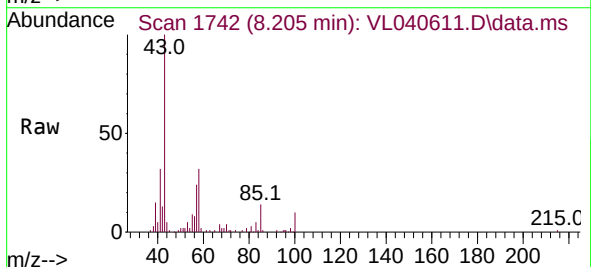
Manual Integrations
APPROVED

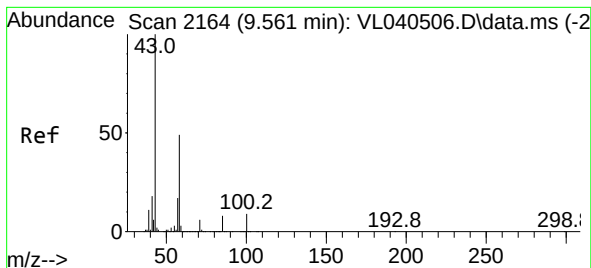
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#50
4-Methyl-2-Pentanone
Concen: 0.748 ppbv m
RT: 8.205 min Scan# 1742
Delta R.T. 0.013 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

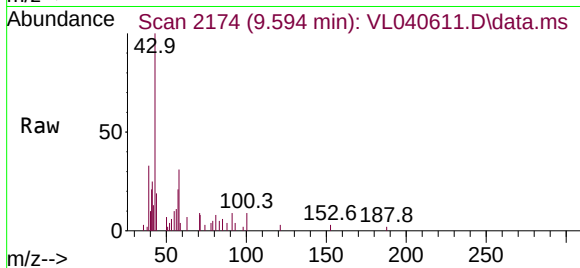
Tgt Ion: 43 Resp: 141337
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2





#51
2-Hexanone
Concen: 0.127 ppbv m
RT: 9.594 min Scan# 2164
Delta R.T. 0.033 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

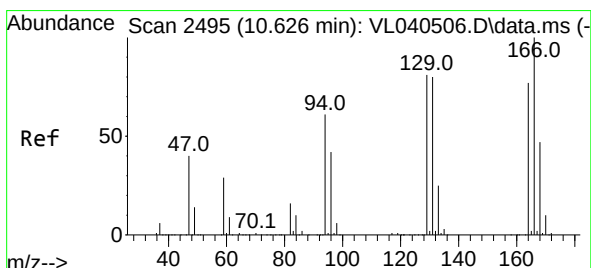
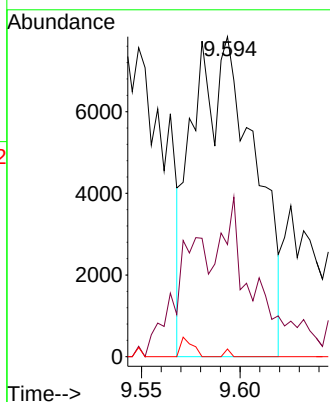
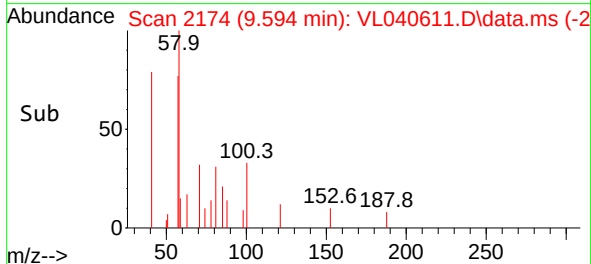
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



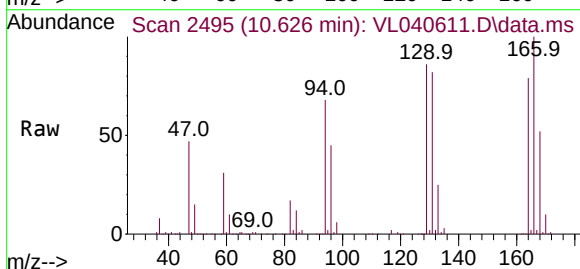
Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5
98 0.0 0.3 0.5

Manual Integrations
APPROVED

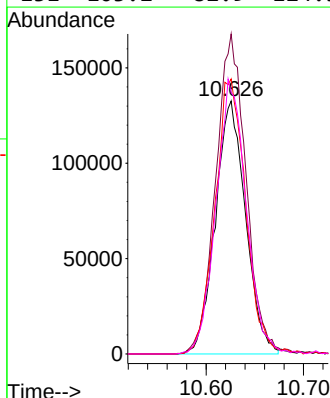
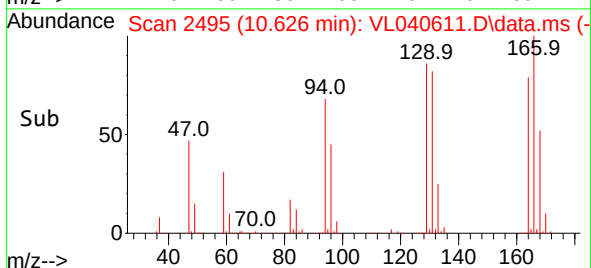
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

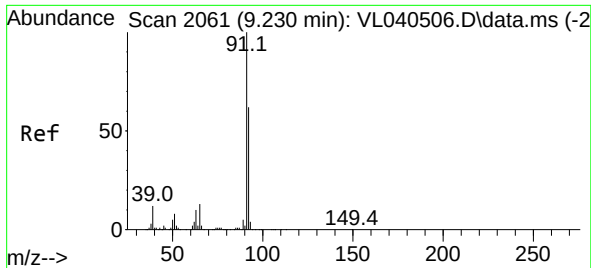


#52
Tetrachloroethene
Concen: 4.169 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.000 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38



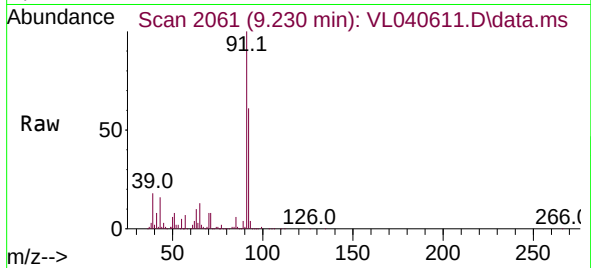
Tgt Ion:164 Resp: 285953
Ion Ratio Lower Upper
164 100
166 126.5 103.9 155.9
129 108.4 84.6 126.8
131 103.2 82.9 124.3





#53
Toluene
Concen: 2.828 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

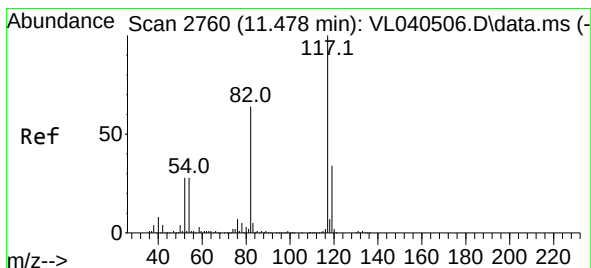
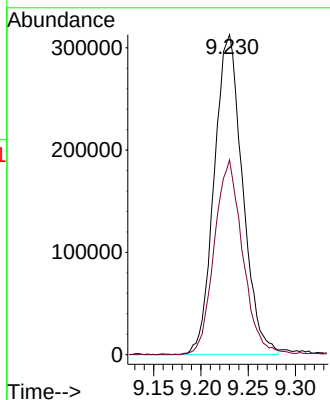
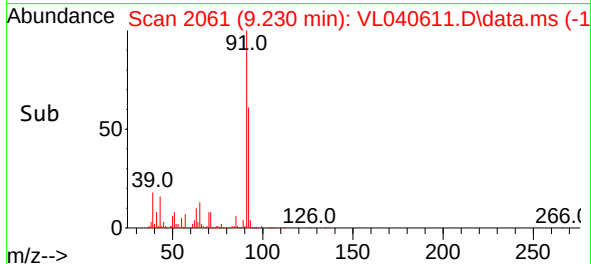
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



Tgt Ion: 91 Resp: 65057
Ion Ratio Lower Upper
91 100
92 61.6 49.1 73.7

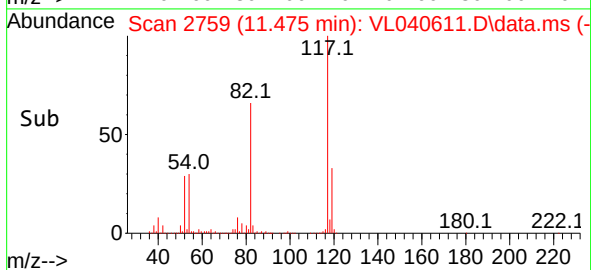
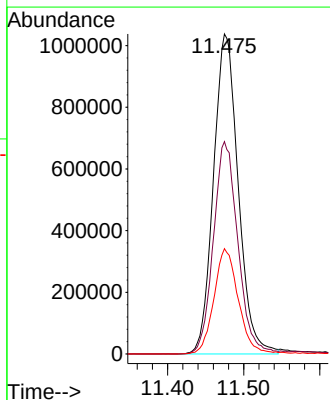
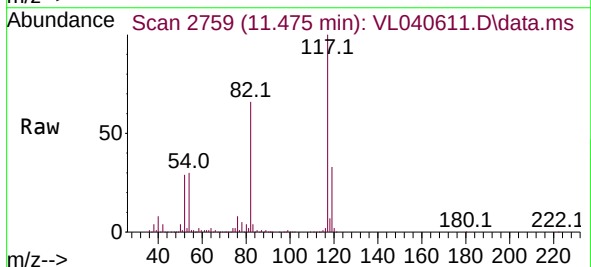
Manual Integrations
APPROVED

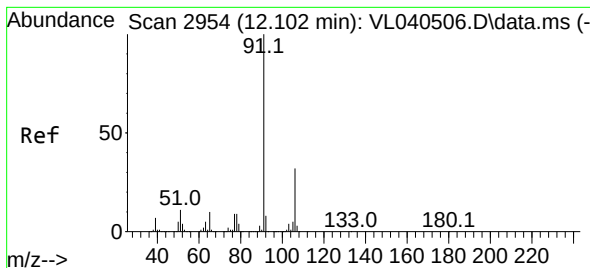
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

Tgt Ion:117 Resp: 2347689
Ion Ratio Lower Upper
117 100
82 67.1 50.2 75.4
119 32.5 26.9 40.3





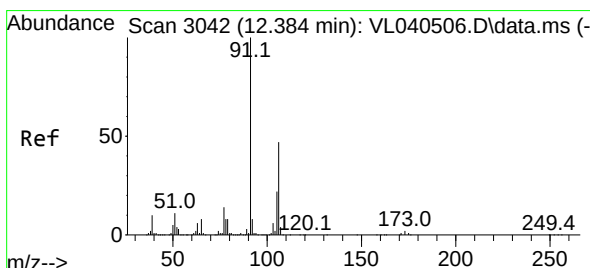
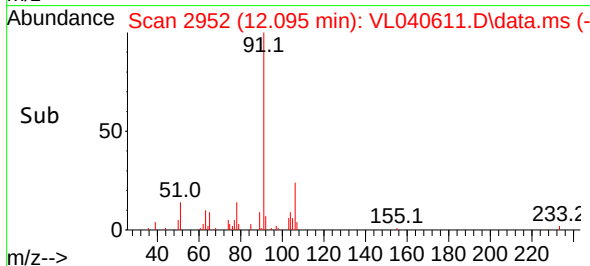
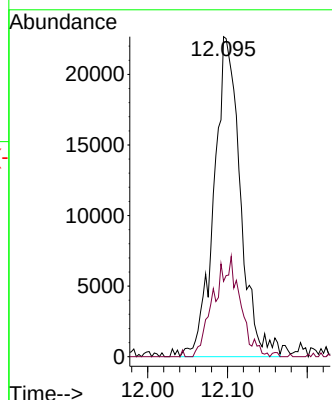
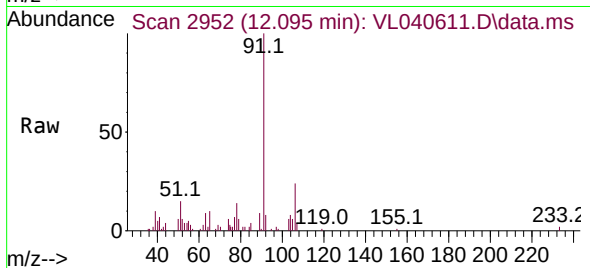
#58
Ethyl Benzene
Concen: 0.176 ppbv m
RT: 12.095 min Scan# 2954
Delta R.T. -0.006 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 91 Resp: 5197
Ion Ratio Lower Upper
91 100
106 23.6 25.4 38.0

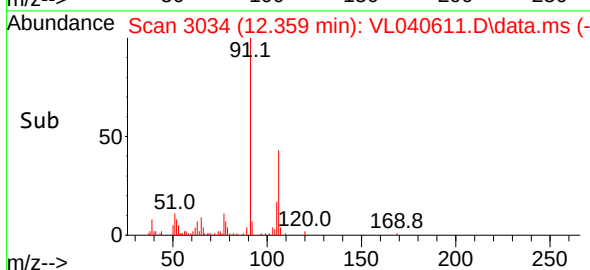
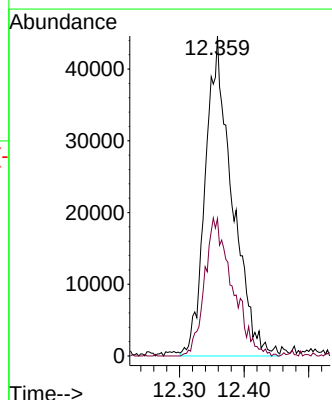
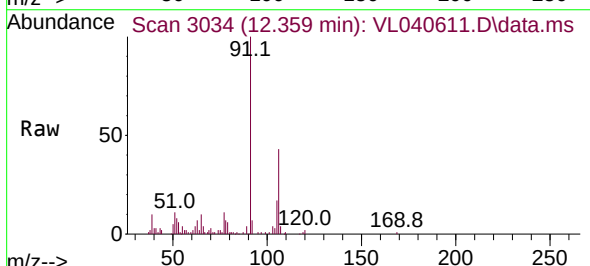
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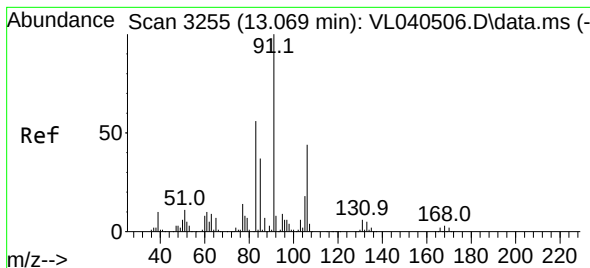
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#59
m/p-Xylene
Concen: 0.491 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.026 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

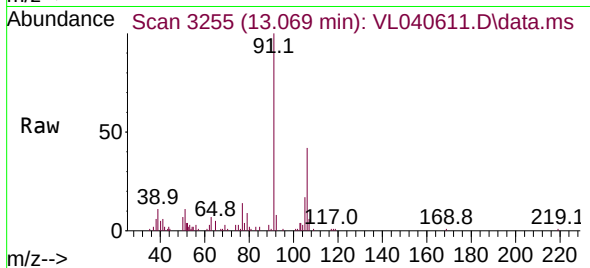
Tgt Ion: 91 Resp: 129103
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9





#60
o-Xylene
Concen: 0.183 ppbv
RT: 13.069 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38

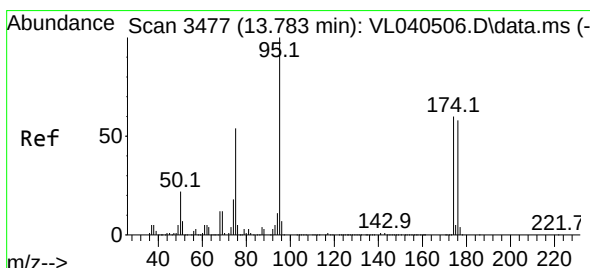
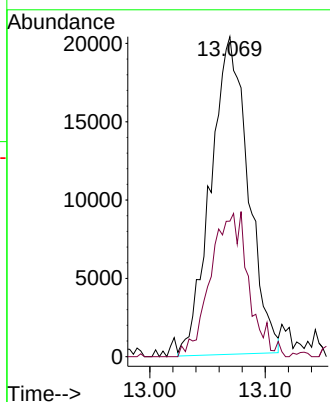
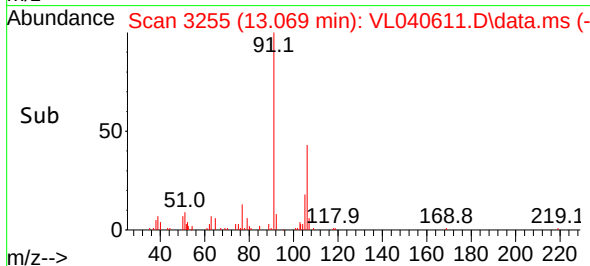
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



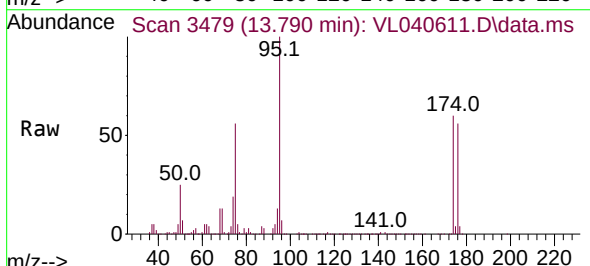
Tgt Ion: 91 Resp: 45744
Ion Ratio Lower Upper
91 100
106 46.1 22.7 68.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.986 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.006 min
Lab File: VL040611.D
Acq: 9 Aug 2023 18:38



Tgt Ion: 95 Resp: 1855382
Ion Ratio Lower Upper
95 100
174 60.6 50.6 75.8
175 4.2 3.7 5.5

