

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040853.D
 Acq On : 14 Nov 2023 16:37
 Operator : SY/MD
 Sample : 05365-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

Quant Time: Nov 14 20:07:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1182968	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.648	114	2927718	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.442	117	2719748	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2208054	10.370	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.700%
Target Compounds						Qvalue
7) Chloroethane	3.218	64	279916	11.967	ppbv	97
11) Trichlorofluoromethane	3.578	101	25039	0.136	ppbv	91
15) Acetone	3.501	43	1456680	11.562	ppbv	100
18) 1,1-Dichloroethene	3.893	96	69881	1.198	ppbv	99
29) Chloroform	5.282	83	33333428m	170.342	ppbv	
32) 1,1,1-Trichloroethane	6.005	97	40358	0.221	ppbv	96
34) 2-Butanone	4.800	43	1467697	9.840	ppbv	100
35) Carbon Tetrachloride	6.494	117	458155	2.551	ppbv	95
38) Trichloroethene	7.285	130	16927m	0.183	ppbv	
42) Bromodichloromethane	7.237	83	79972m	0.399	ppbv	
51) 2-Hexanone	9.536	43	298038	1.832	ppbv #	96
52) Tetrachloroethene	10.597	164	1965285	24.561	ppbv	97
53) Toluene	9.198	91	88293m	0.338	ppbv	
58) Ethyl Benzene	12.069	91	40025m	0.113	ppbv	
59) m/p-Xylene	12.317	91	103880m	0.344	ppbv	

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

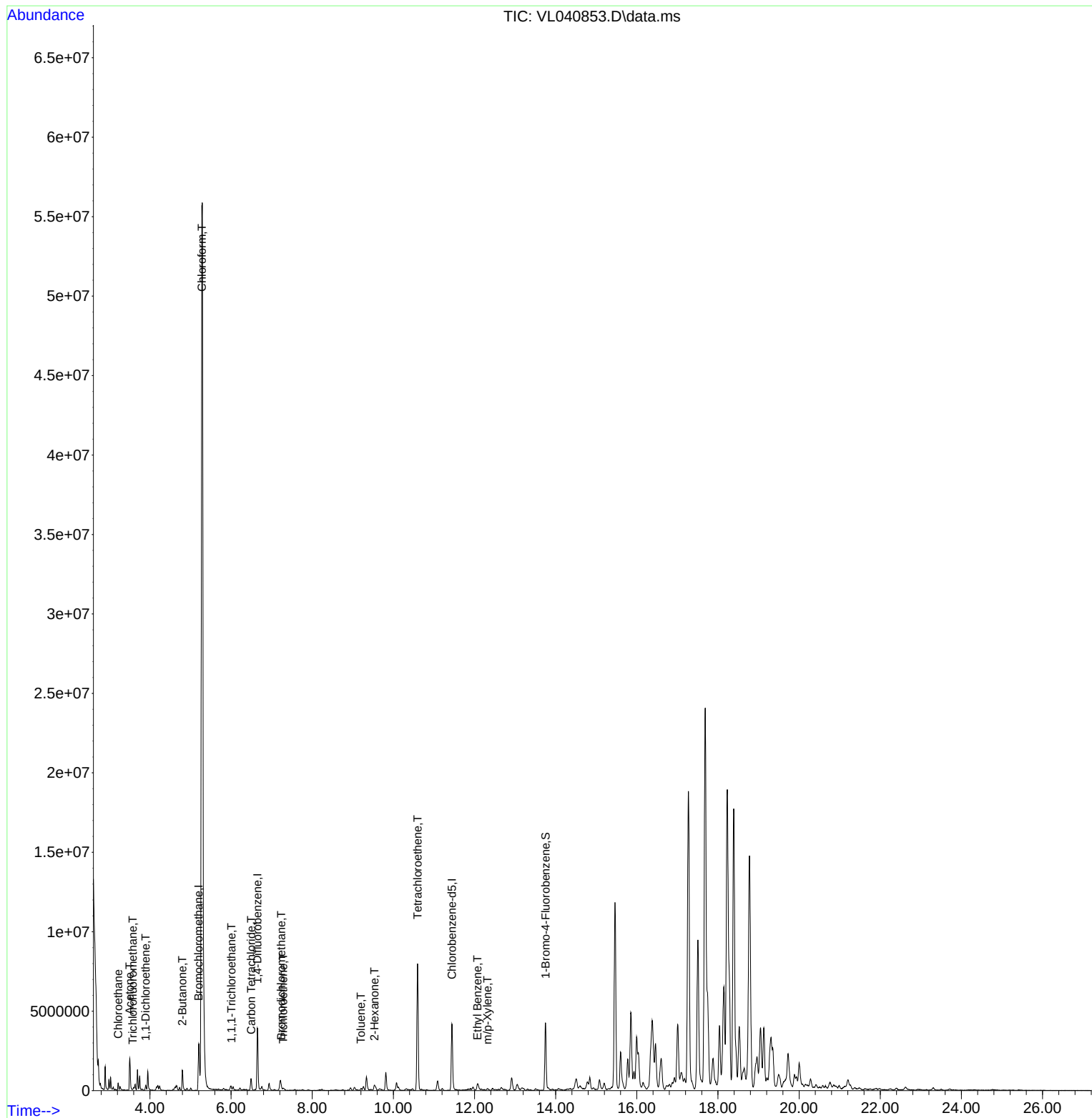
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
Data File : VL040853.D
Acq On : 14 Nov 2023 16:37
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Sample : 05365-01 4X
Misc : 400mL/MSVOA_L
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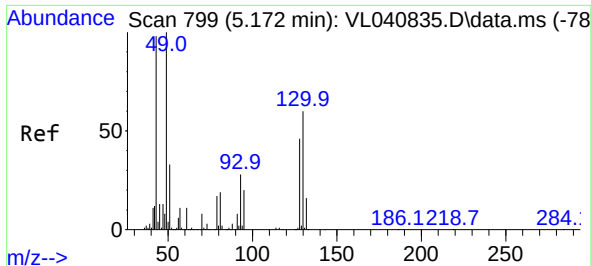
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Nov 14 20:07:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Nov 13 15:42:46 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

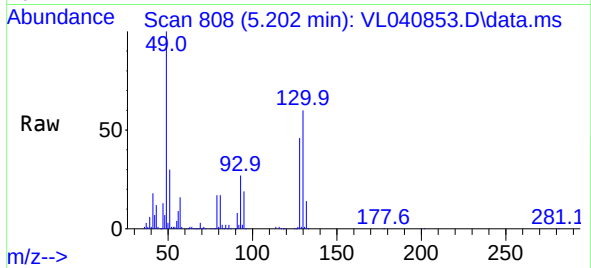
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. 0.030 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

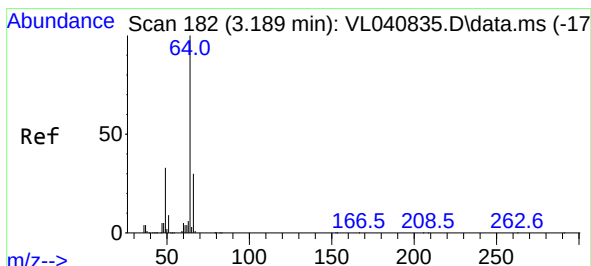
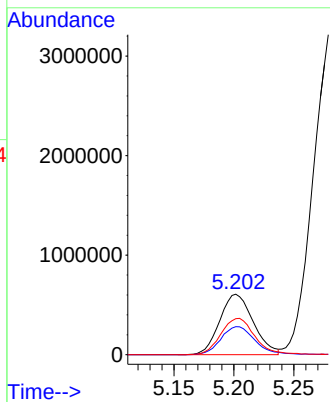
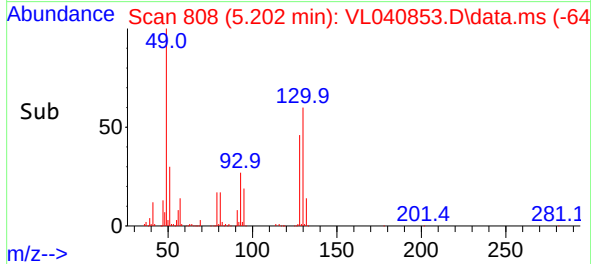
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 118296
Ion Ratio Lower Upper
49 100
128 48.6 23.8 71.2
130 62.0 30.9 92.8

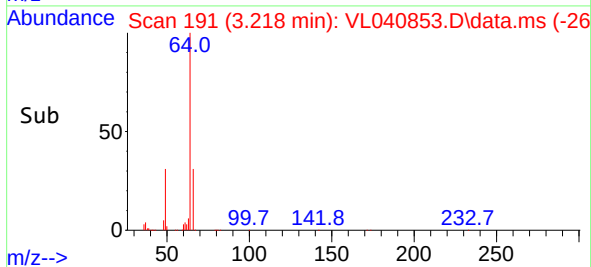
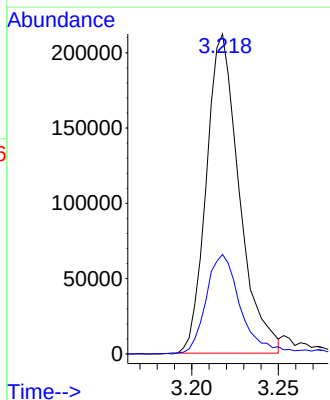
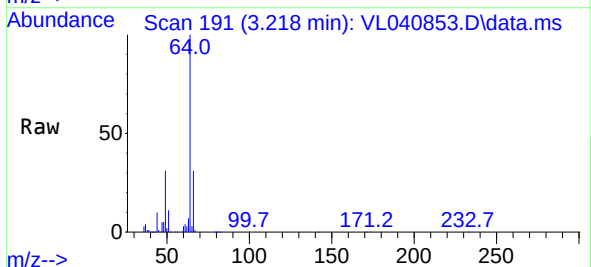
Manual Integrations
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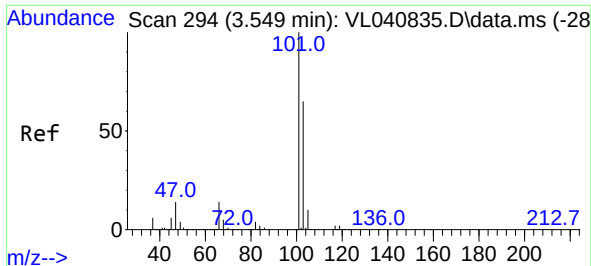
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#7
Chloroethane
Concen: 11.967 ppbv
RT: 3.218 min Scan# 191
Delta R.T. 0.029 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

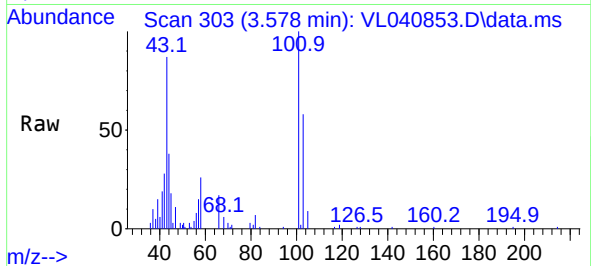
Tgt Ion: 64 Resp: 279916
Ion Ratio Lower Upper
64 100
66 31.1 23.8 35.6





#11
Trichlorofluoromethane
Concen: 0.136 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.029 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

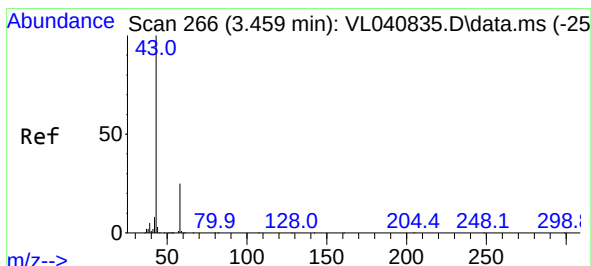
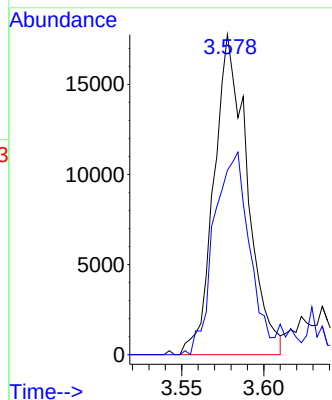
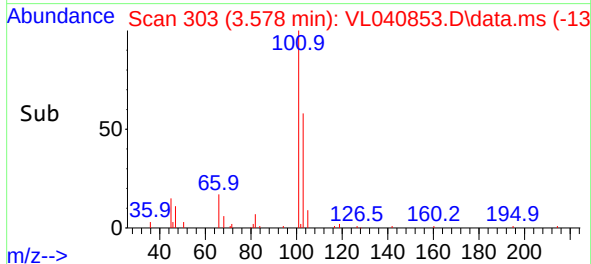
Instrument :
MSVOA_L
ClientSampleId :
SV1



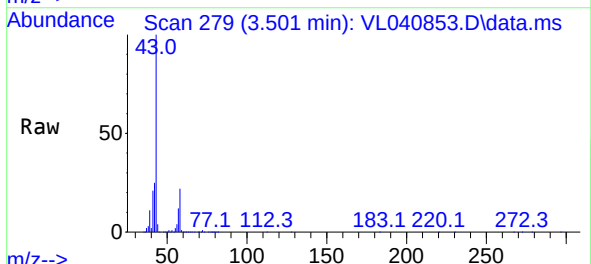
Tgt Ion:101 Resp: 25039
Ion Ratio Lower Upper
101 100
103 57.7 51.8 77.8

Manual Integrations
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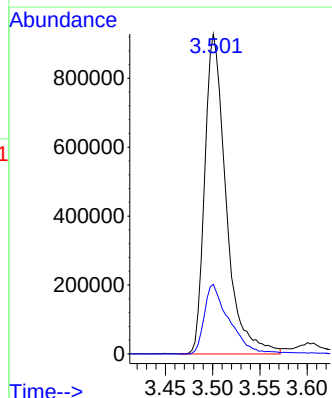
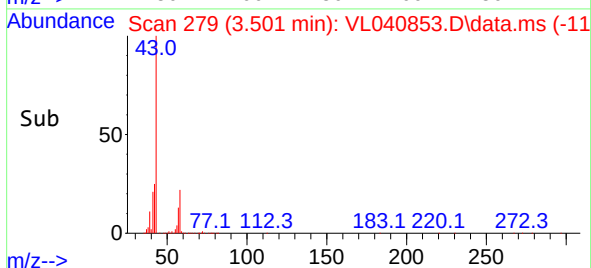
Reviewed By :Mahesh Dadoda 11/17/2023
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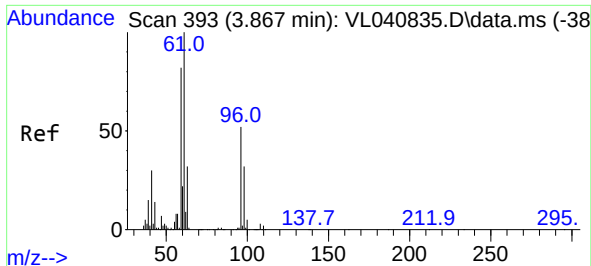


#15
Acetone
Concen: 11.562 ppbv
RT: 3.501 min Scan# 279
Delta R.T. 0.042 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37



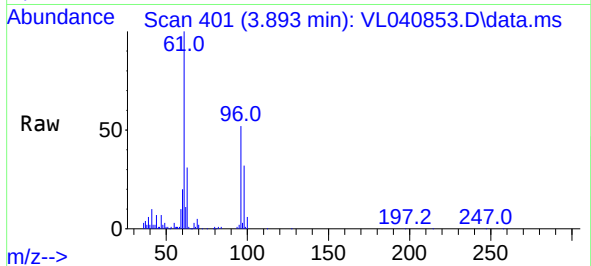
Tgt Ion: 43 Resp: 1456680
Ion Ratio Lower Upper
43 100
58 26.0 20.9 31.3





#18
1,1-Dichloroethene
Concen: 1.198 ppbv
RT: 3.893 min Scan# 401
Delta R.T. 0.026 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

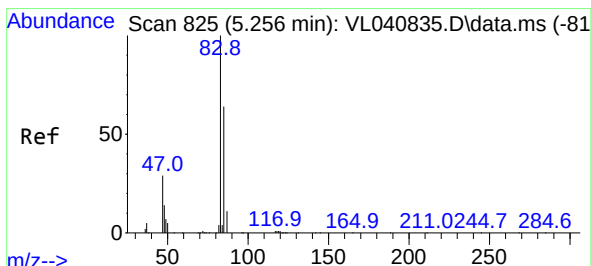
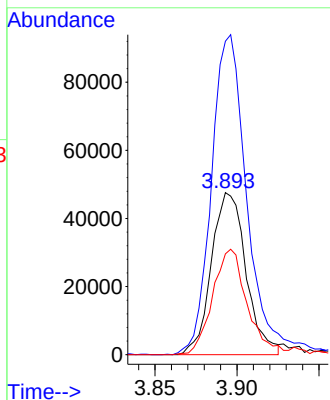
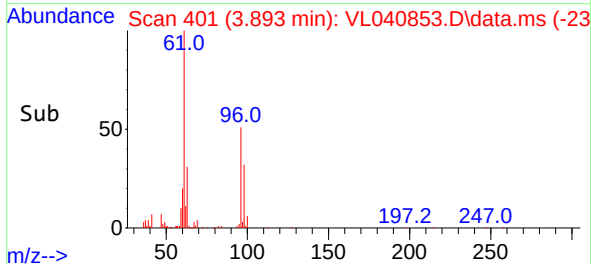
Instrument :
MSVOA_L
ClientSampleId :
SV1



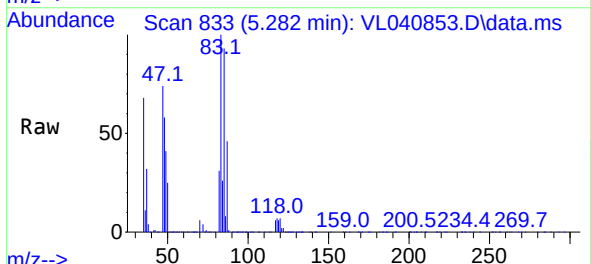
Tgt Ion: 96 Resp: 6988
Ion Ratio Lower Upper
96 100
61 192.3 152.6 228.8
98 61.7 49.2 73.8

Manual Integrations
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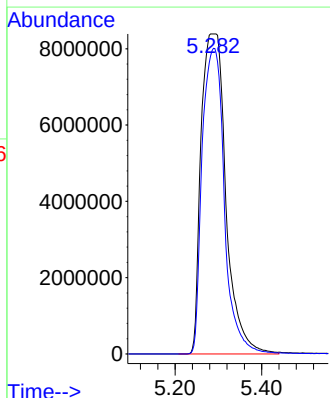
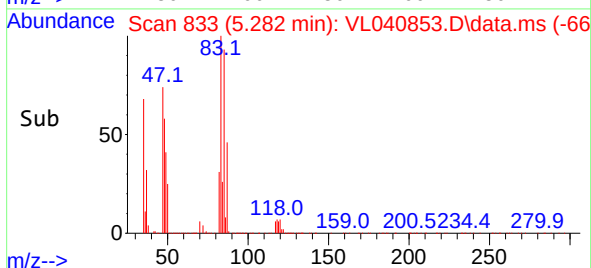
Reviewed By :Mahesh Dadoda 11/17/2023
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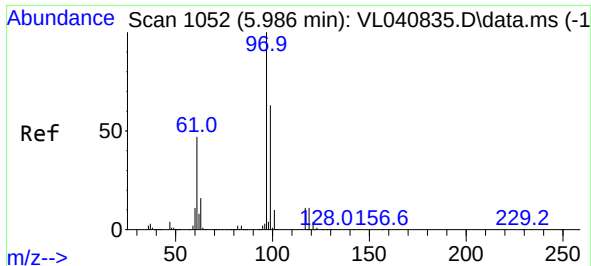


#29
Chloroform
Concen: 170.342 ppbv m
RT: 5.282 min Scan# 833
Delta R.T. 0.026 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37



Tgt Ion: 83 Resp:33333428
Ion Ratio Lower Upper
83 100
85 93.1 51.4 77.0#





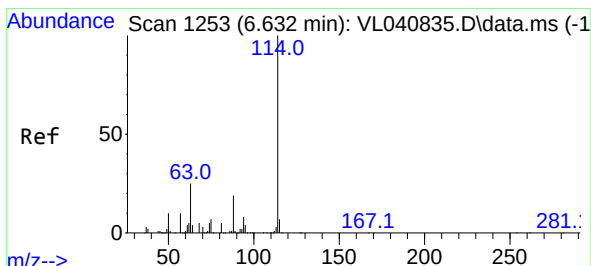
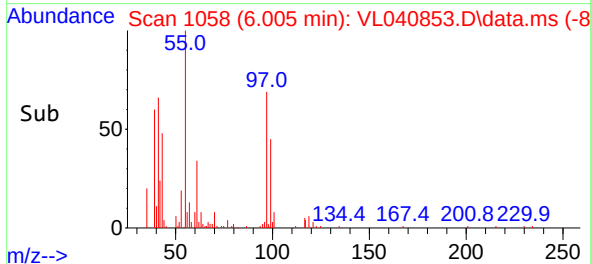
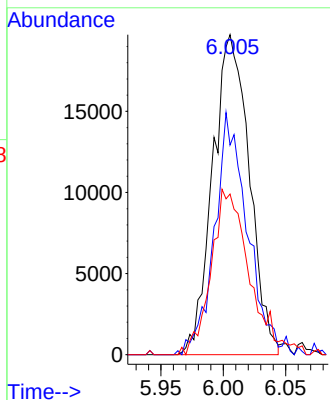
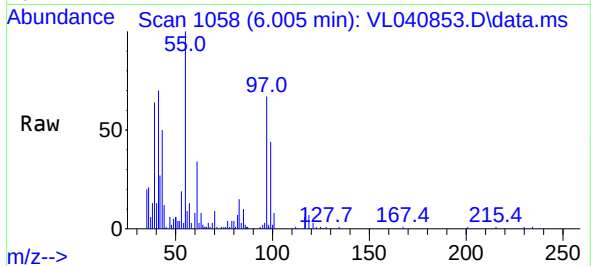
#32
1,1,1-Trichloroethane
Concen: 0.221 ppbv
RT: 6.005 min Scan# 1058
Delta R.T. 0.019 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 97 Resp: 40358
Ion Ratio Lower Upper
97 100
99 68.6 52.2 78.4
61 54.3 41.0 61.4

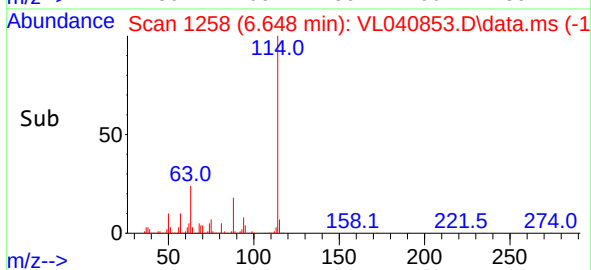
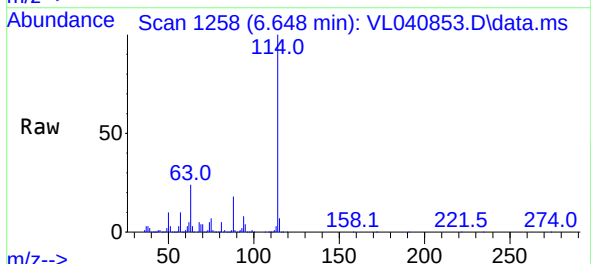
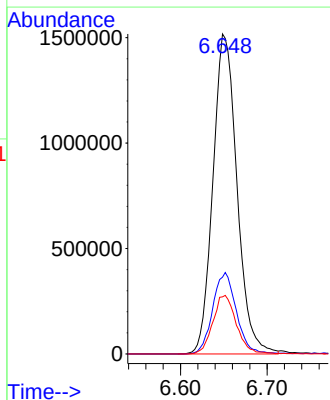
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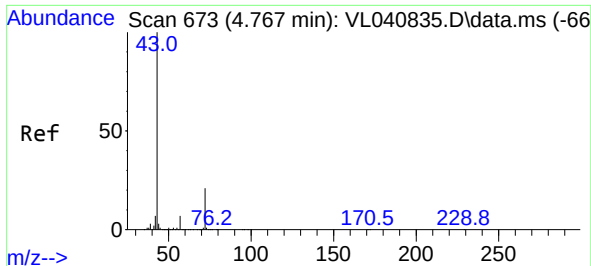
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.016 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

Tgt Ion:114 Resp: 2927718
Ion Ratio Lower Upper
114 100
63 25.2 20.9 31.3
88 18.1 14.3 21.5





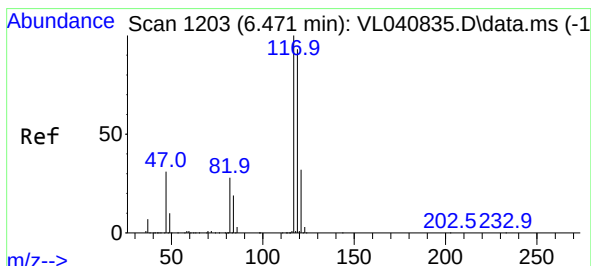
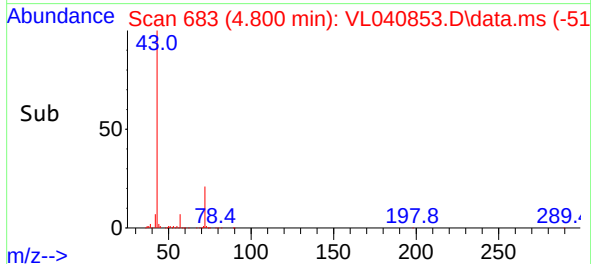
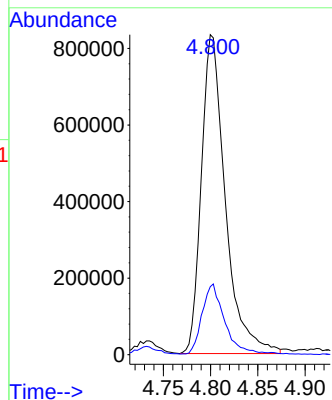
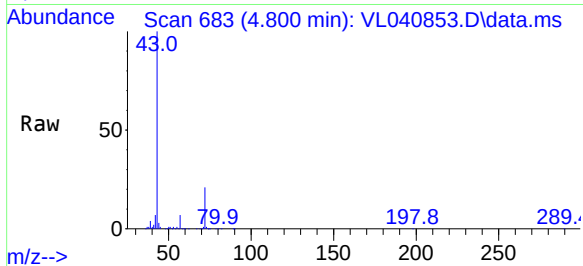
#34
2-Butanone
Concen: 9.840 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.032 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 146769
Ion Ratio Lower Upper
43 100
72 21.3 17.2 25.8

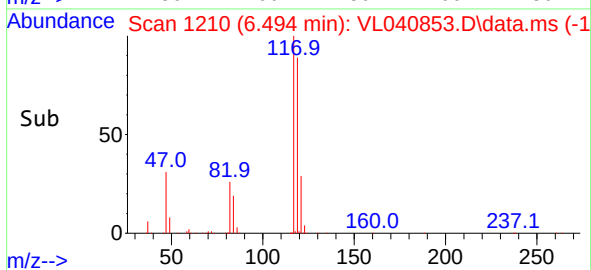
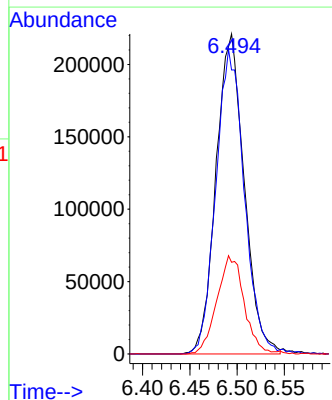
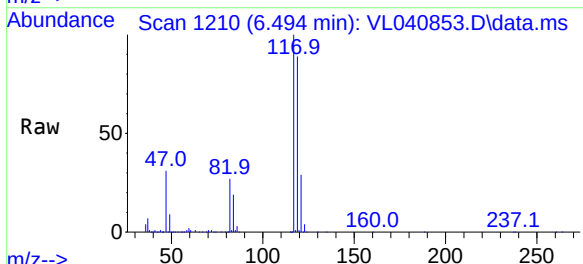
Manual Integrations
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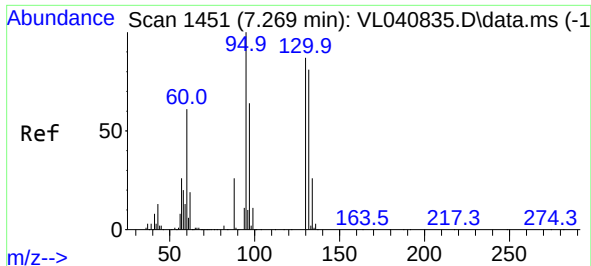
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#35
Carbon Tetrachloride
Concen: 2.551 ppbv
RT: 6.494 min Scan# 1210
Delta R.T. 0.023 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

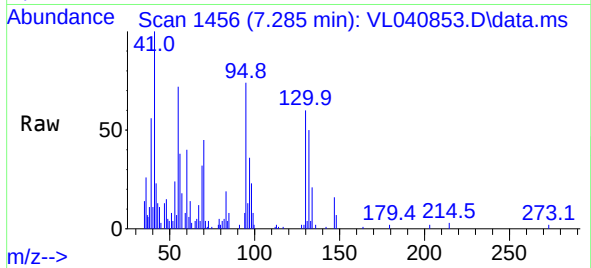
Tgt Ion:117 Resp: 458155
Ion Ratio Lower Upper
117 100
119 88.8 74.7 112.1
121 28.6 25.5 38.3





#38
Trichloroethene
Concen: 0.183 ppbv m
RT: 7.285 min Scan# 1441
Delta R.T. 0.016 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

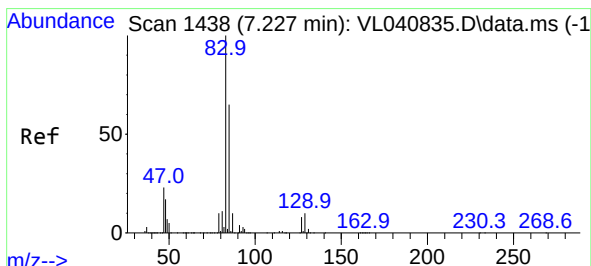
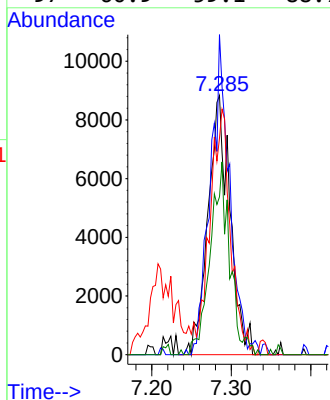
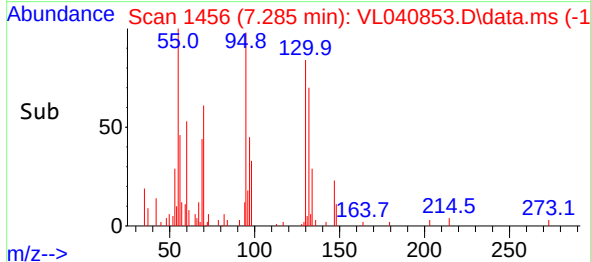
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	130	Resp:	1692
Ion	Ratio	Lower	Upper
130	100		
95	123.5	92.4	138.6
132	83.6	75.1	112.7
97	60.9	59.1	88.7

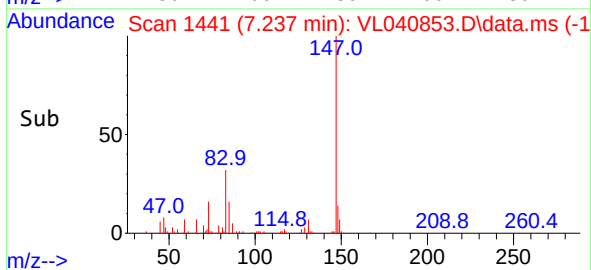
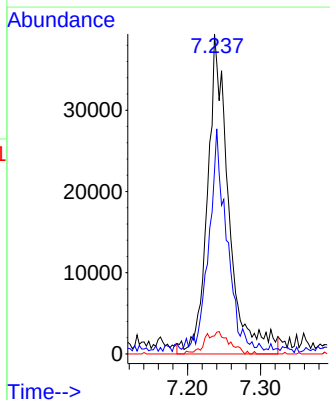
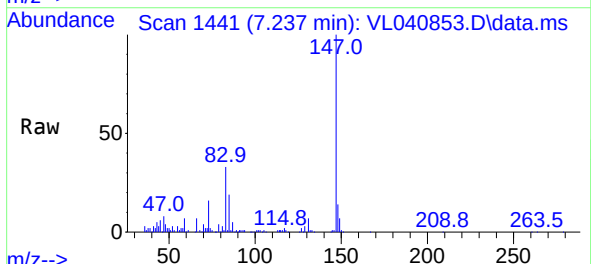
Manual Integrations
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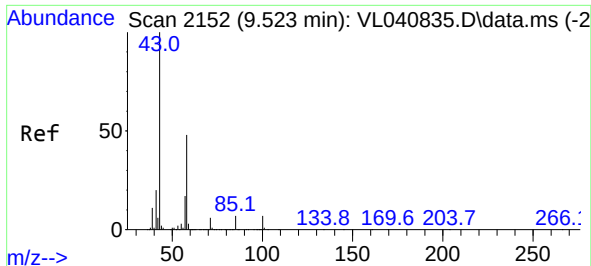
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#42
Bromodichloromethane
Concen: 0.399 ppbv m
RT: 7.237 min Scan# 1441
Delta R.T. 0.010 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

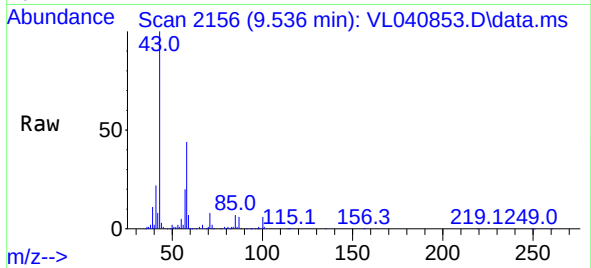
Tgt Ion:	83	Resp:	79972
Ion	Ratio	Lower	Upper
83	100		
85	57.2	52.3	78.5
127	5.6	6.6	10.0#





#51
2-Hexanone
Concen: 1.832 ppbv
RT: 9.536 min Scan# 2152
Delta R.T. 0.013 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

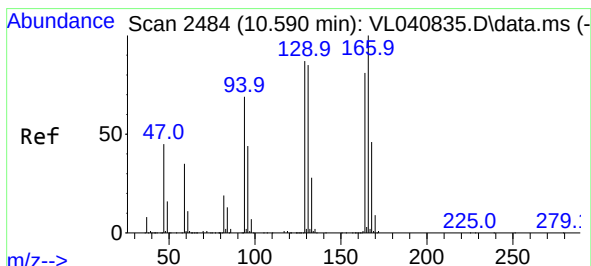
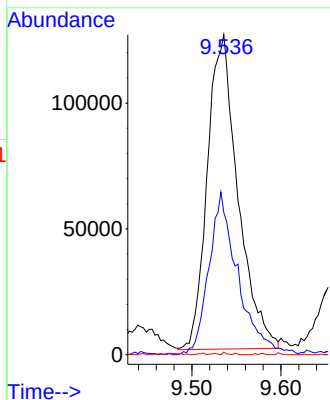
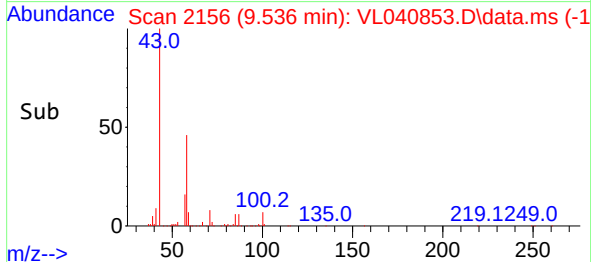
Instrument :
MSVOA_L
ClientSampleId :
SV1



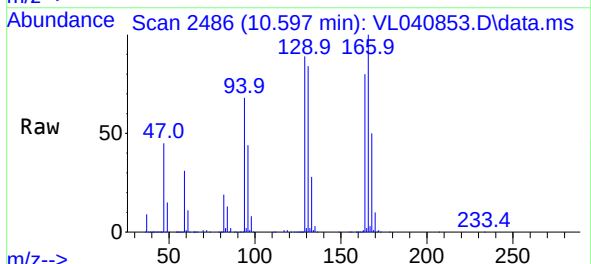
Tgt Ion: 43 Resp: 298038
Ion Ratio Lower Upper
43 100
58 49.2 37.4 56.2
98 0.3 0.2 0.2

Manual Integrations
APPROVED

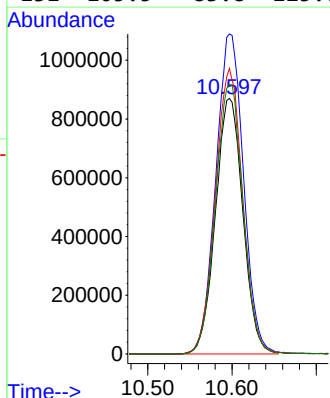
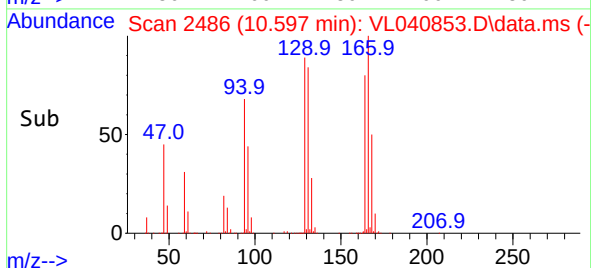
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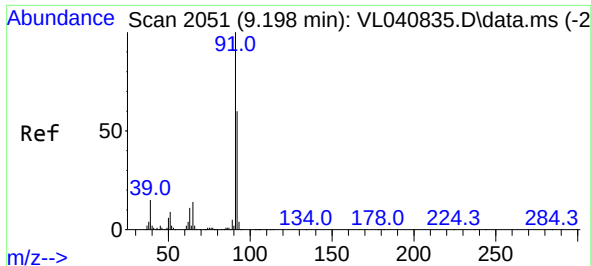


#52
Tetrachloroethene
Concen: 24.561 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. 0.007 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37



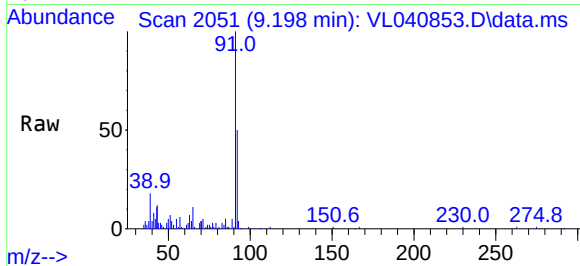
Tgt Ion:164 Resp: 1965285
Ion Ratio Lower Upper
164 100
166 125.2 98.3 147.5
129 111.8 85.1 127.7
131 105.5 83.8 125.6





#53
Toluene
Concen: 0.338 ppbv m
RT: 9.198 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

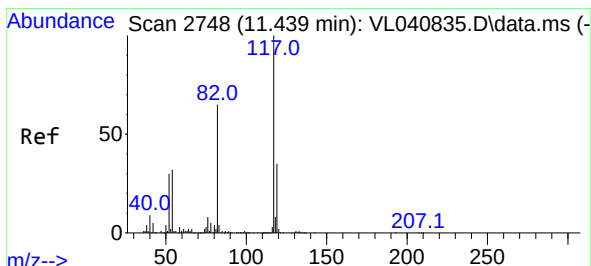
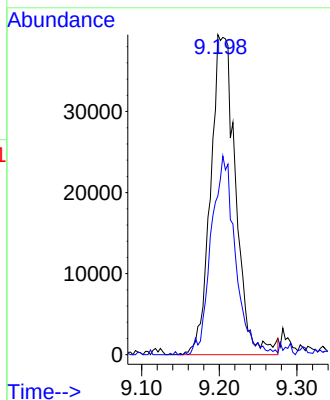
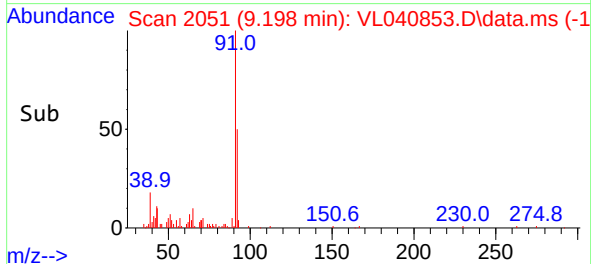
Instrument :
MSVOA_L
ClientSampleId :
SV1



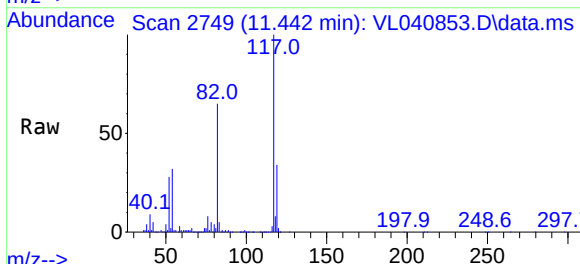
Tgt Ion: 91 Resp: 8829
Ion Ratio Lower Upper
91 100
92 60.0 49.4 74.2

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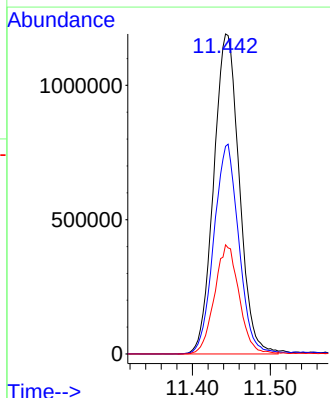
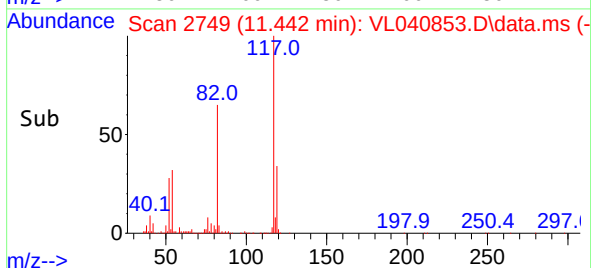
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023

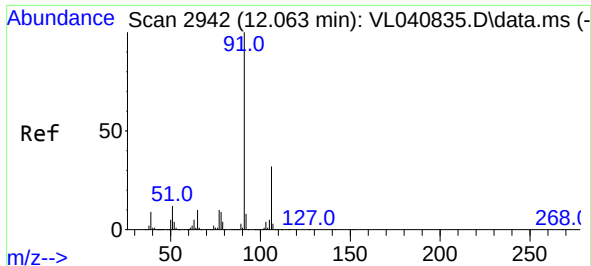


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37



Tgt Ion:117 Resp: 2719748
Ion Ratio Lower Upper
117 100
82 64.2 50.6 75.8
119 33.0 23.3 34.9





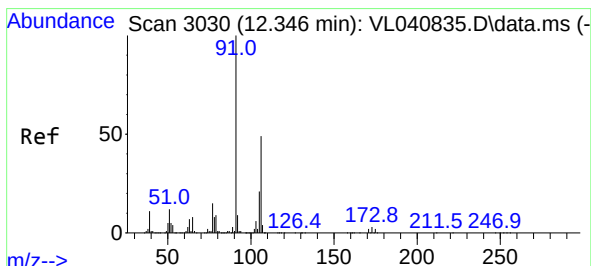
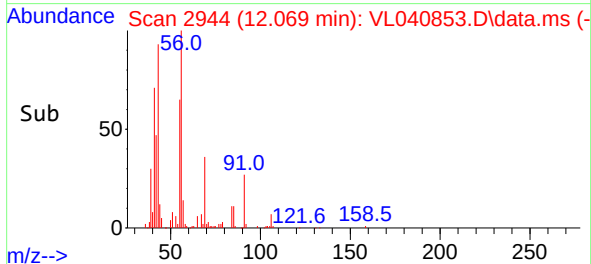
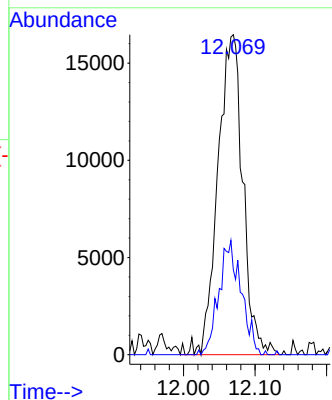
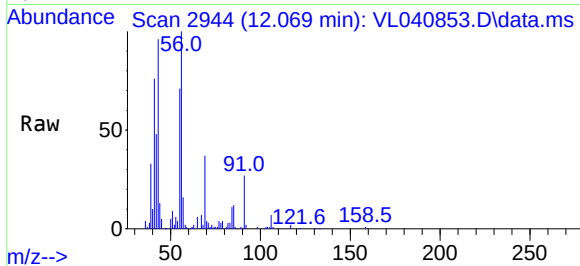
#58
Ethyl Benzene
Concen: 0.113 ppbv m
RT: 12.069 min Scan# 2942
Delta R.T. 0.007 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 4002
Ion Ratio Lower Upper
91 100
106 26.5 25.2 37.8

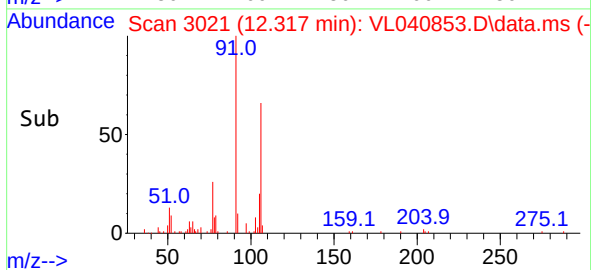
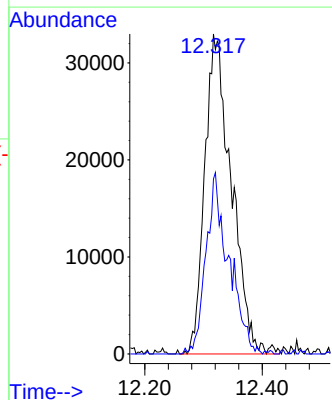
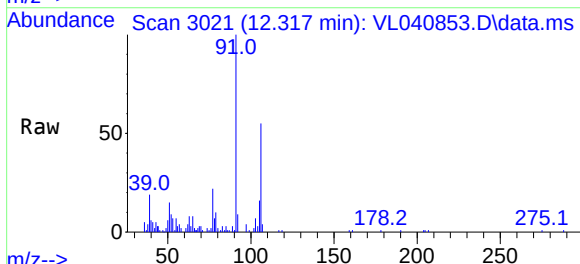
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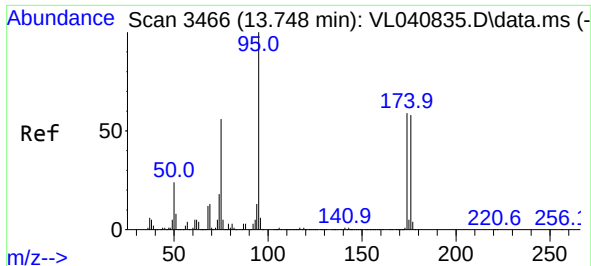
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#59
m/p-Xylene
Concen: 0.344 ppbv m
RT: 12.317 min Scan# 3021
Delta R.T. -0.029 min
Lab File: VL040853.D
Acq: 14 Nov 2023 16:37

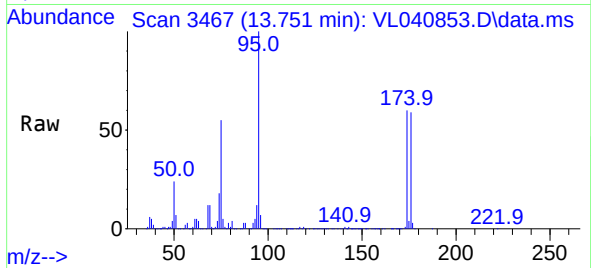
Tgt Ion: 91 Resp: 103880
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.370 ppbv
 RT: 13.751 min Scan# 3467
 Delta R.T. 0.003 min
 Lab File: VL040853.D
 Acq: 14 Nov 2023 16:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 95 Resp: 2208054

Ion	Ratio	Lower	Upper
95	100		
174	60.5	47.5	71.3
175	4.5	3.6	5.4

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

