

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040849.D
 Acq On : 14 Nov 2023 13:56
 Operator : SY/MD
 Sample : 05365-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP

Manual Integrations
 APPROVED

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

Quant Time: Nov 15 15:33:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	5.189	49	1007311	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2604543	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2168467	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1654180	9.743	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
11) Trichlorofluoromethane	3.575	101	34788	0.222	ppbv	93
15) Acetone	3.481	43	602738	5.618	ppbv	96
20) Methylene Chloride	3.938	84	148461	3.353	ppbv	94
26) Hexane	5.211	57	121375	1.235	ppbv #	53
34) 2-Butanone	4.796	43	48931	0.369	ppbv	96
36) Benzene	6.362	78	109302	0.517	ppbv	95
52) Tetrachloroethene	10.603	164	6281m	0.088	ppbv	
53) Toluene	9.205	91	184751	0.794	ppbv	100
59) m/p-Xylene	12.320	91	110581m	0.459	ppbv	
60) o-Xylene	13.034	91	43528m	0.190	ppbv	

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

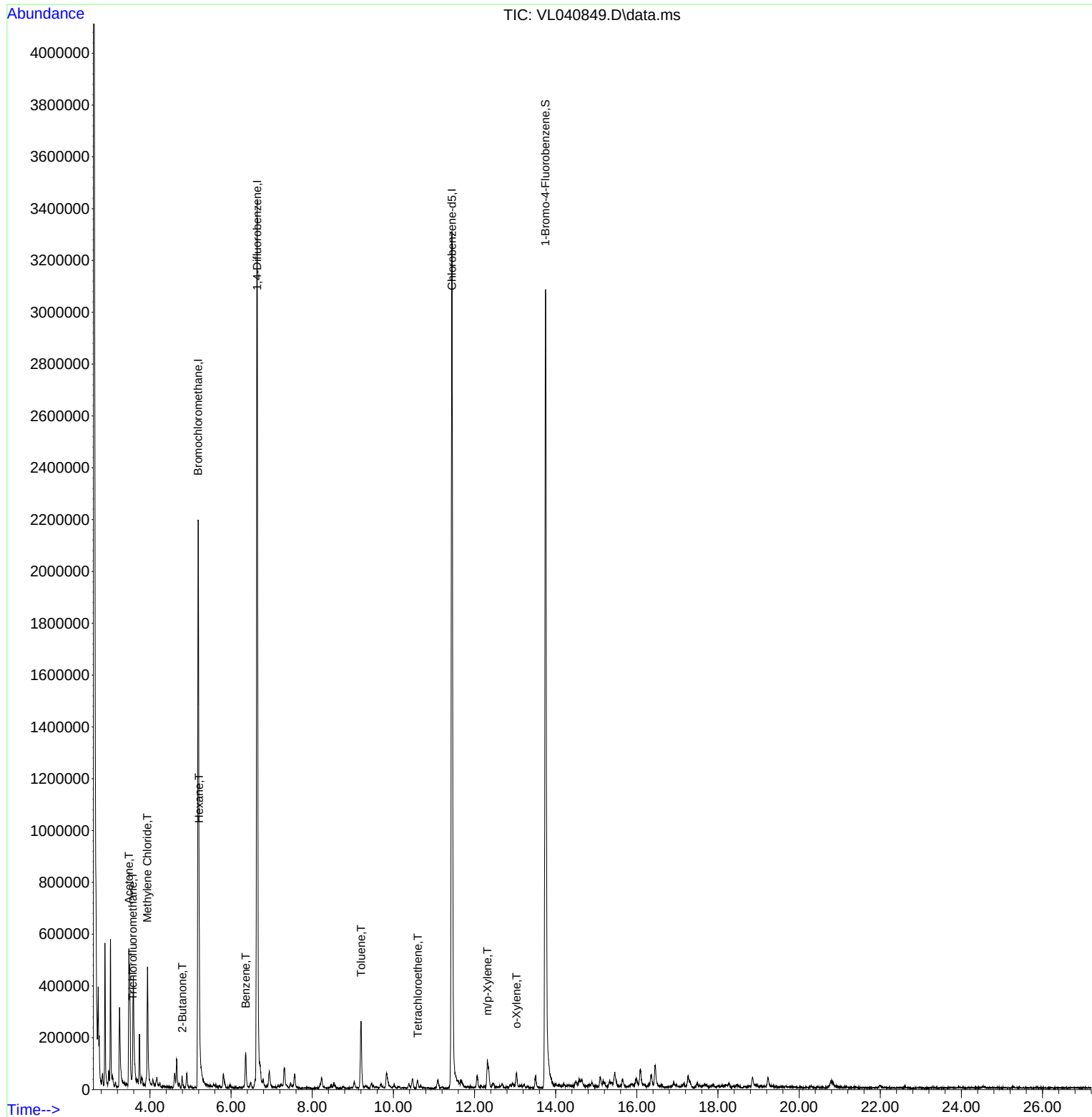
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
Data File : VL040849.D
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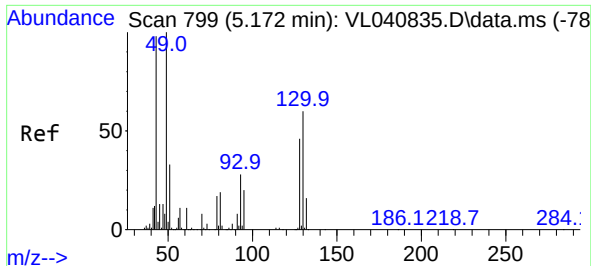
Instrument :
MSVOA_L
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OA1DUP

Quant Time: Nov 15 15:33:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
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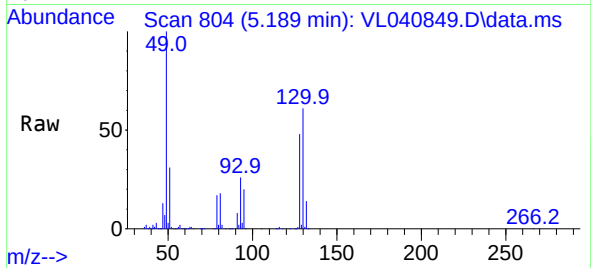
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.017 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

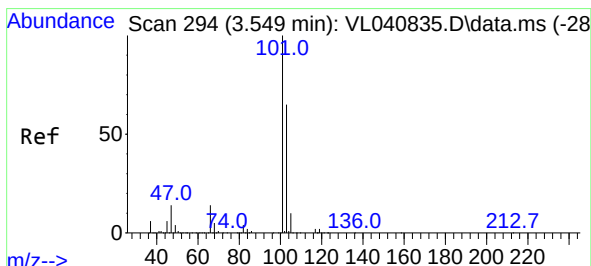
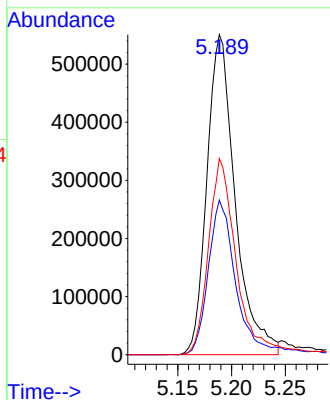
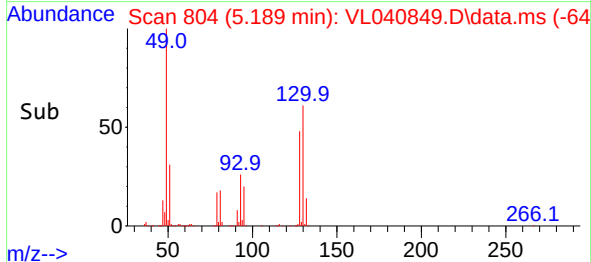
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



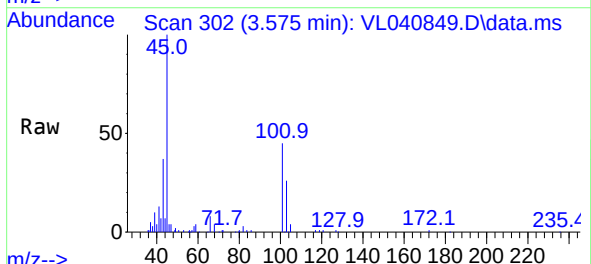
Tgt Ion: 49 Resp: 100731
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.2
130 62.1 30.9 92.8

Manual Integrations
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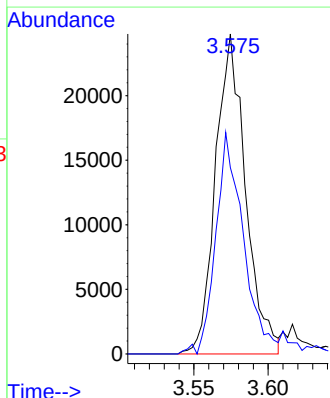
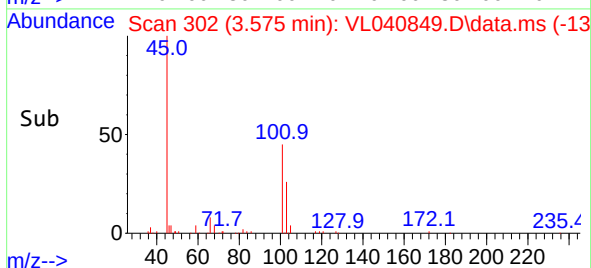
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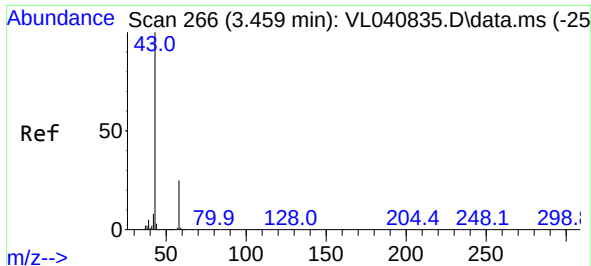


#11
Trichlorofluoromethane
Concen: 0.222 ppbv
RT: 3.575 min Scan# 302
Delta R.T. 0.026 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56



Tgt Ion:101 Resp: 34788
Ion Ratio Lower Upper
101 100
103 59.2 51.8 77.8





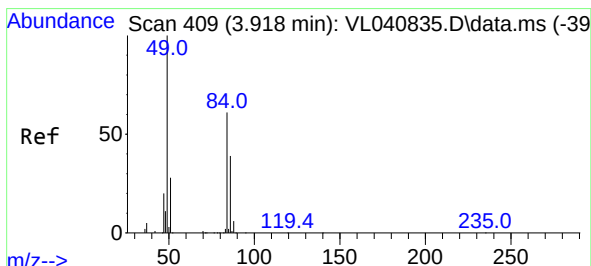
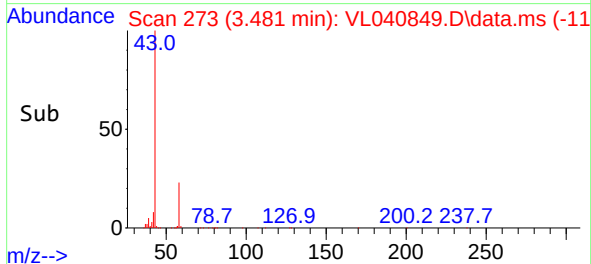
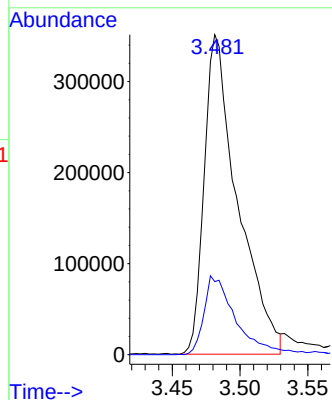
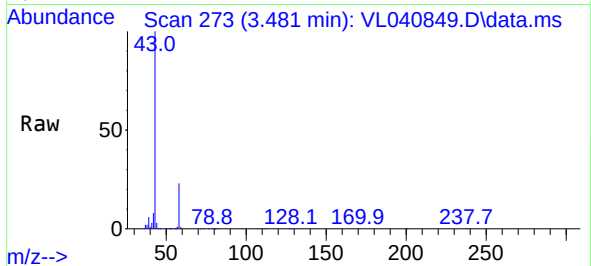
#15
Acetone
Concen: 5.618 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 43 Resp: 602738
Ion Ratio Lower Upper
43 100
58 24.0 20.9 31.3

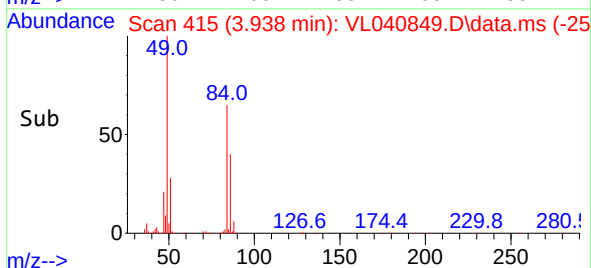
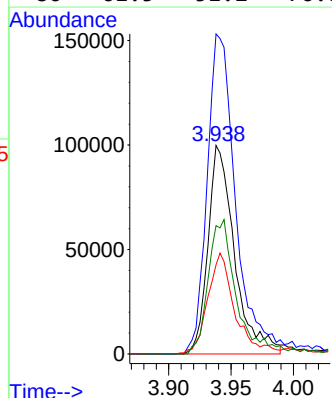
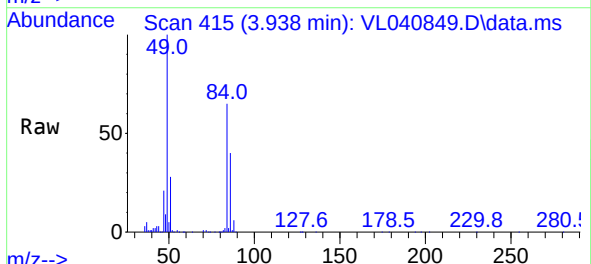
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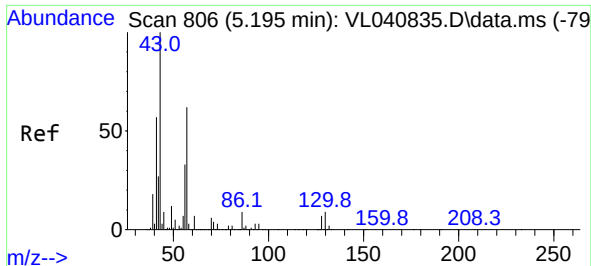
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#20
Methylene Chloride
Concen: 3.353 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.019 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

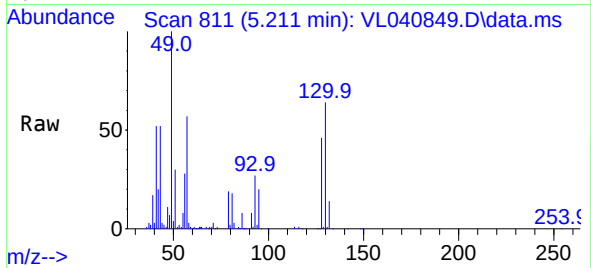
Tgt Ion: 84 Resp: 148461
Ion Ratio Lower Upper
84 100
49 153.2 131.0 196.4
51 42.3 36.9 55.3
86 61.5 51.2 76.8





#26
Hexane
Concen: 1.235 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

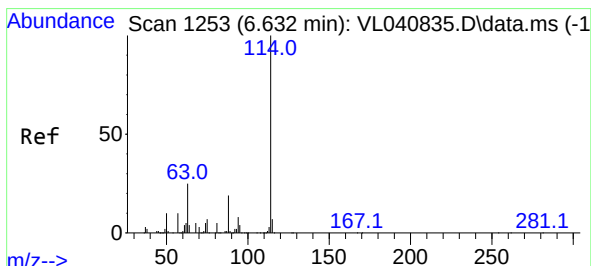
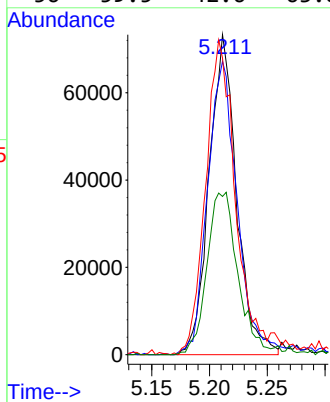
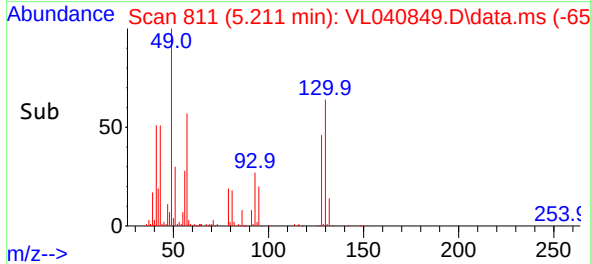
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 57 Resp: 121379
Ion Ratio Lower Upper
57 100
41 100.1 75.4 113.0
43 112.6 185.9 278.9
56 59.5 42.6 63.8

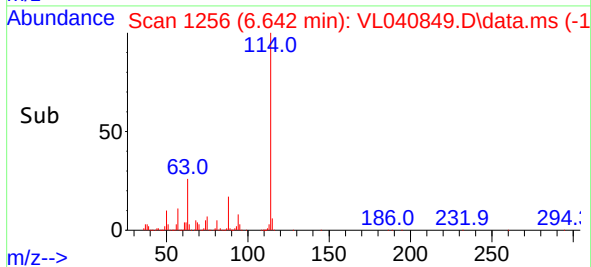
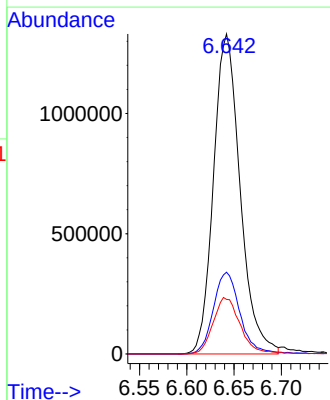
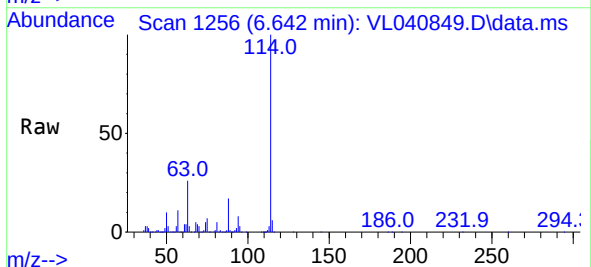
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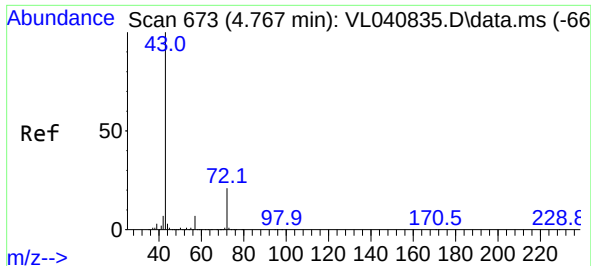
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. 0.010 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

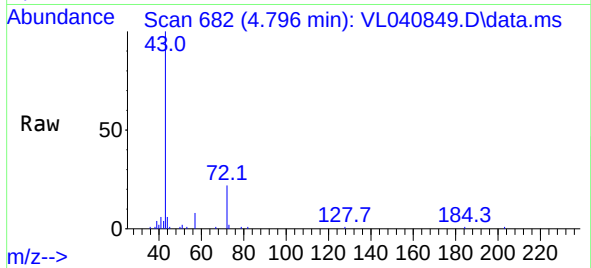
Tgt Ion:114 Resp: 2604543
Ion Ratio Lower Upper
114 100
63 25.9 20.9 31.3
88 18.2 14.3 21.5





#34
2-Butanone
Concen: 0.369 ppbv
RT: 4.796 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

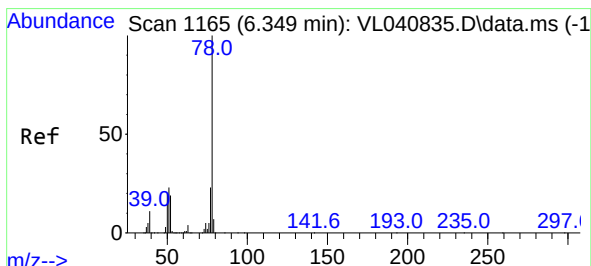
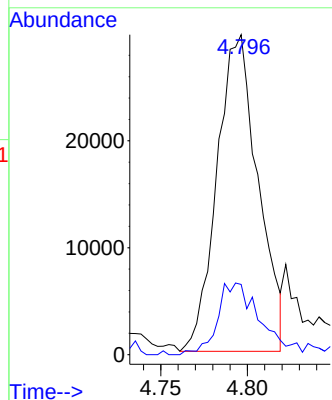
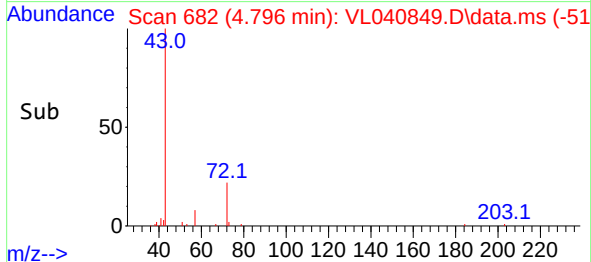
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OA1DUP



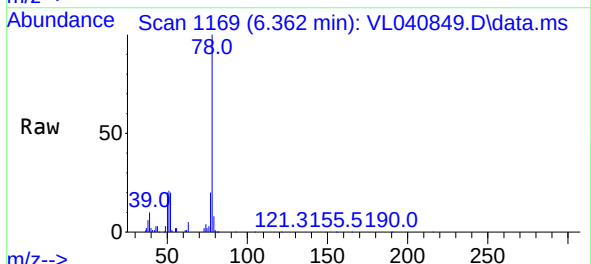
Tgt Ion: 43 Resp: 4893
Ion Ratio Lower Upper
43 100
72 23.3 17.2 25.8

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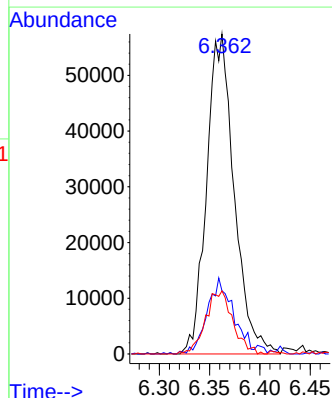
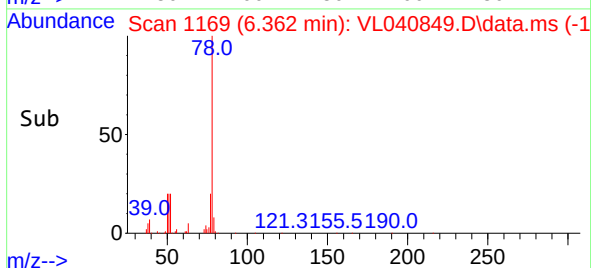
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023

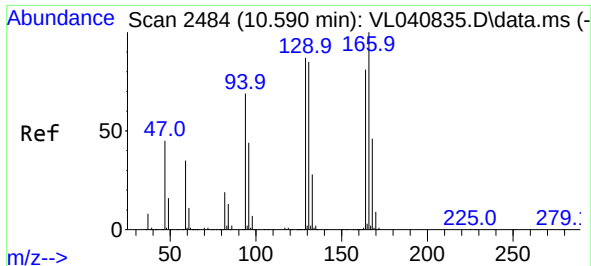


#36
Benzene
Concen: 0.517 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.013 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56



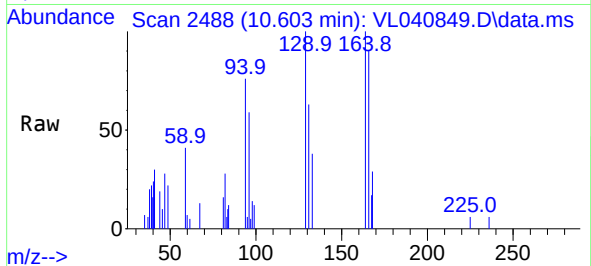
Tgt Ion: 78 Resp: 109302
Ion Ratio Lower Upper
78 100
77 18.9 18.4 27.6
50 19.3 16.2 24.2





#52
Tetrachloroethene
Concen: 0.088 ppbv m
RT: 10.603 min Scan# 2484
Delta R.T. 0.013 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

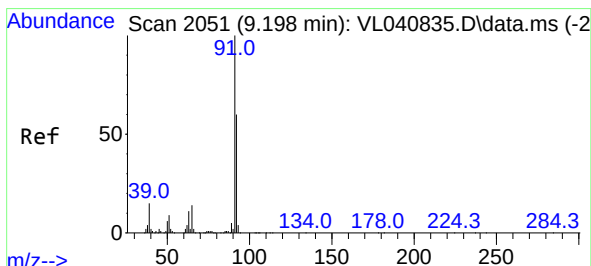
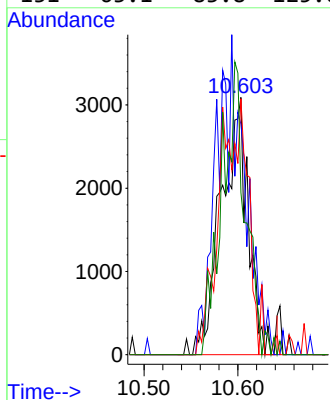
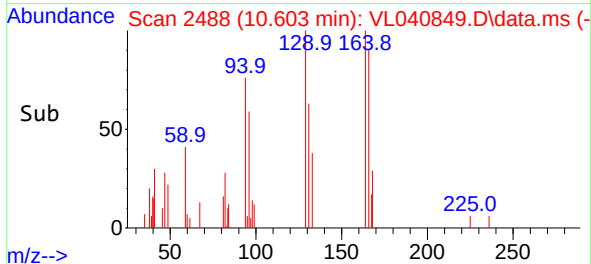
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion:164 Resp: 628
Ion Ratio Lower Upper
164 100
166 89.6 98.3 147.5
129 99.5 85.1 127.7
131 63.1 83.8 125.6#

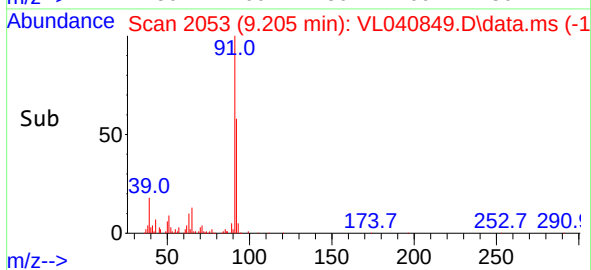
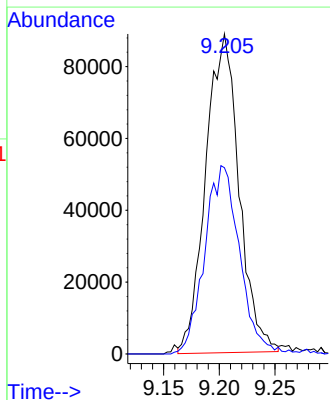
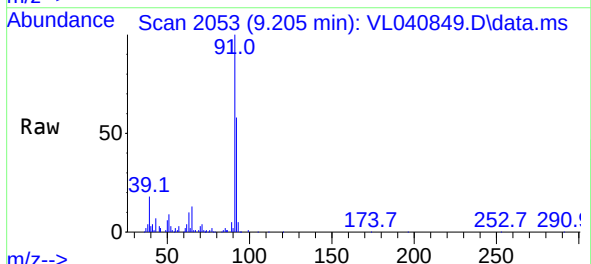
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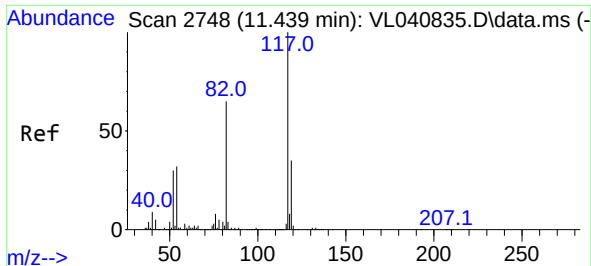
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#53
Toluene
Concen: 0.794 ppbv
RT: 9.205 min Scan# 2053
Delta R.T. 0.007 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

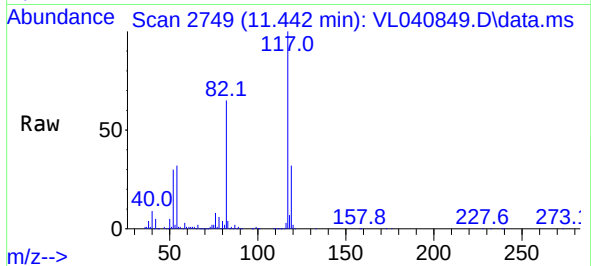
Tgt Ion: 91 Resp: 184751
Ion Ratio Lower Upper
91 100
92 61.9 49.4 74.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

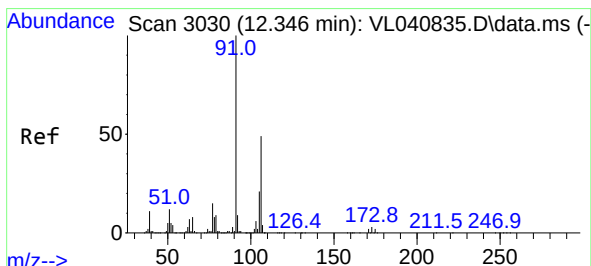
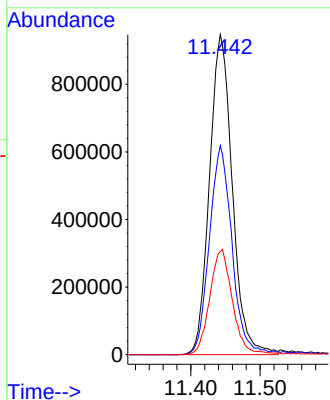
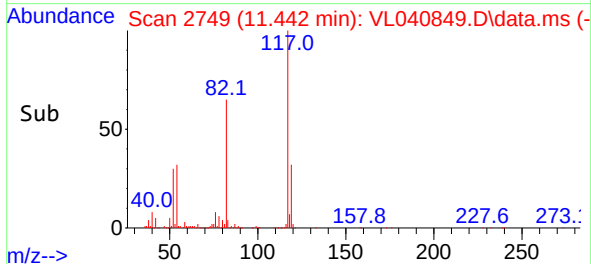
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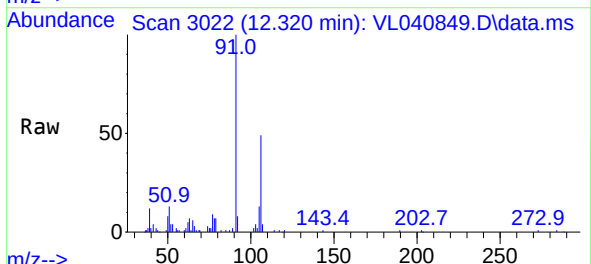
Tgt Ion:117 Resp: 216846
Ion Ratio Lower Upper
117 100
82 65.3 50.6 75.8
119 32.8 23.3 34.9

Manual Integrations
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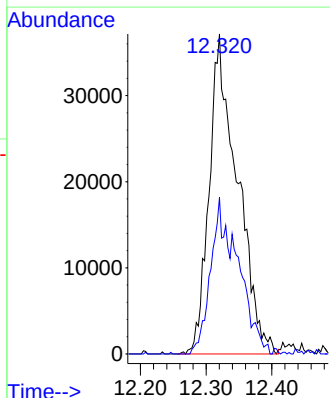
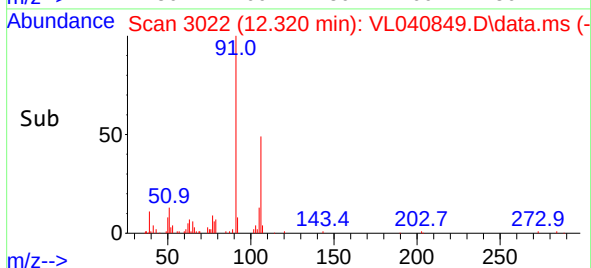
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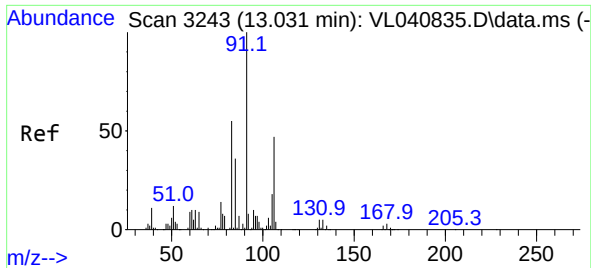


#59
m/p-Xylene
Concen: 0.459 ppbv m
RT: 12.320 min Scan# 3022
Delta R.T. -0.026 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56



Tgt Ion: 91 Resp: 110581
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0#





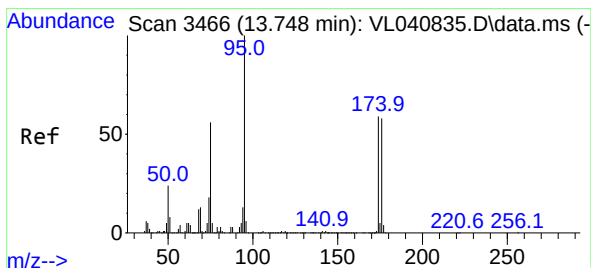
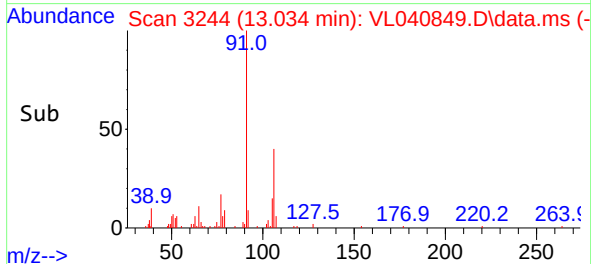
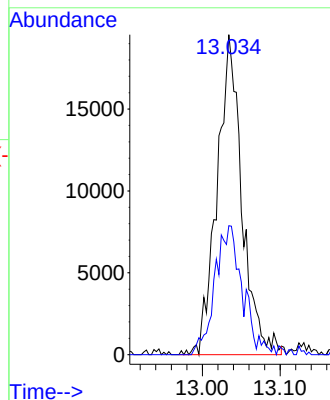
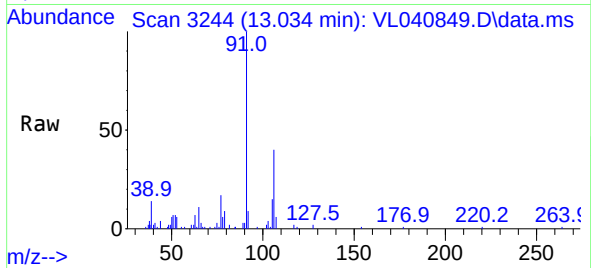
#60
o-Xylene
Concen: 0.190 ppbv m
RT: 13.034 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 91 Resp: 43528
Ion Ratio Lower Upper
91 100
106 44.7 22.9 68.5

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Supervised By :Semsettin Yesilyurt 11/17/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.743 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. 0.000 min
Lab File: VL040849.D
Acq: 14 Nov 2023 13:56

Tgt Ion: 95 Resp: 1654180
Ion Ratio Lower Upper
95 100
174 60.4 47.5 71.3
175 4.6 3.6 5.4

