

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040893.D
 Acq On : 17 Nov 2023 13:34
 Operator : SY/MD
 Sample : 05275-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-IA-9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023
 Supervised By :Mahesh Dadoda 11/21/2023

Quant Time: Nov 20 03:58:12 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 20 03:50:24 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	903454	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2196012	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1912762	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1509754	10.081	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.771	85	86078	0.470	ppbv	98
3) Chlorodifluoromethane	2.716	51	59452m	0.412	ppbv	
4) Chloromethane	2.851	50	26584	0.513	ppbv #	87
9) Propene	2.748	41	119476m	2.458	ppbv	
10) Heptane	7.594	43	33235	0.278	ppbv	98
11) Trichlorofluoromethane	3.597	101	31927	0.227	ppbv	84
13) Ethanol	3.272	45	749183	79.368	ppbv #	100
15) Acetone	3.504	43	882528m	9.172	ppbv	
19) Isopropyl Alcohol	3.613	45	205148	3.543	ppbv #	1
20) Methylene Chloride	3.964	84	3417835	86.071	ppbv	93
26) Hexane	5.237	57	3300019	37.424	ppbv #	40
30) Cyclohexane	6.626	84	22854	0.301	ppbv #	79
34) 2-Butanone	4.816	43	69990	0.626	ppbv	96
35) Carbon Tetrachloride	6.510	117	11039m	0.082	ppbv	
36) Benzene	6.388	78	104591	0.587	ppbv #	94
38) Trichloroethene	7.304	130	5270m	0.076	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	134409	0.454	ppbv #	86
52) Tetrachloroethene	10.629	164	5325m	0.089	ppbv	
53) Toluene	9.230	91	286068	1.459	ppbv	99
58) Ethyl Benzene	12.092	91	62345	0.250	ppbv	97
59) m/p-Xylene	12.349	91	191213m	0.900	ppbv	
60) o-Xylene	13.060	91	62086m	0.307	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	48104	0.219	ppbv #	68

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

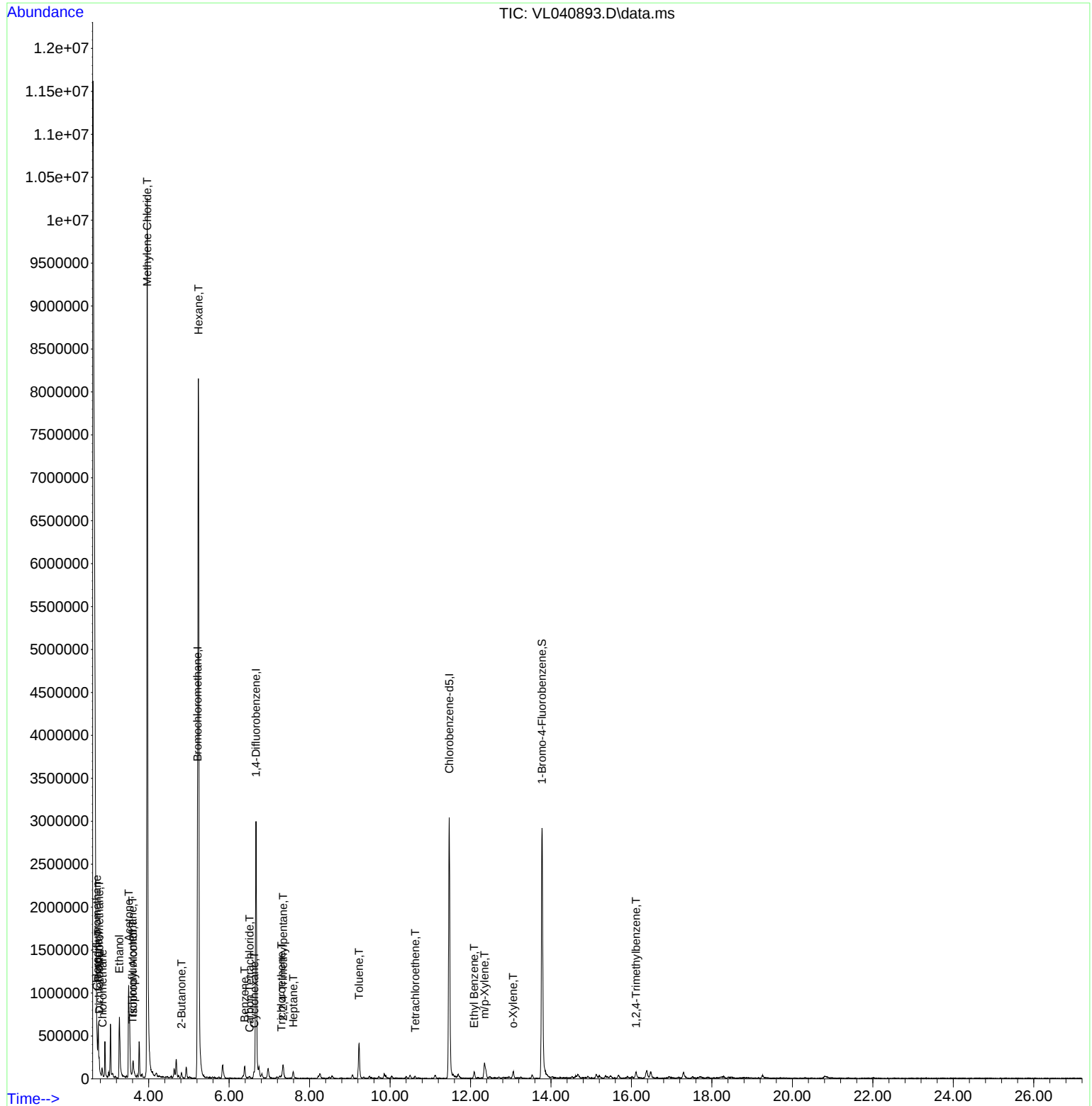
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
Data File : VL040893.D
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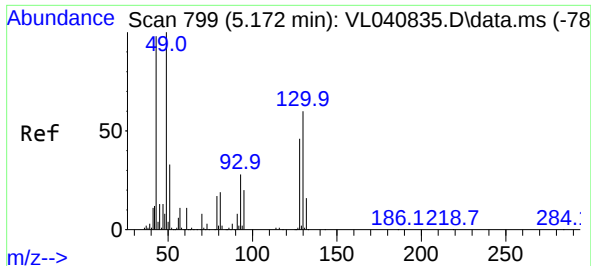
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Quant Time: Nov 20 03:58:12 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 20 03:50:24 2023
Response via : Initial Calibration

Manual Integrations
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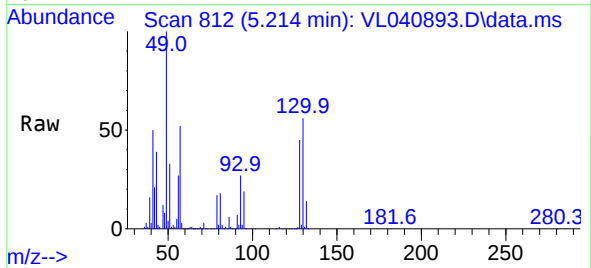
Reviewed By : Semsettin Yesilyurt 11/20/2023
Supervised By : Mahesh Dadoda 11/21/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

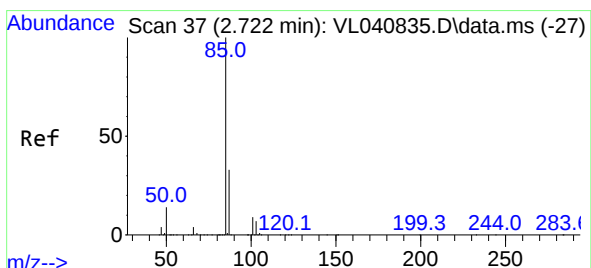
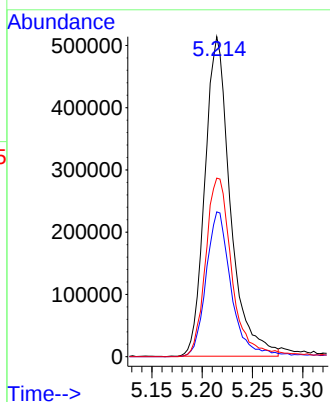
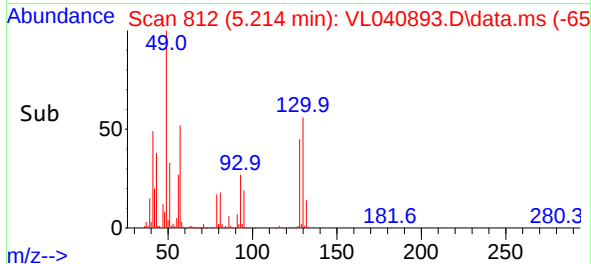
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



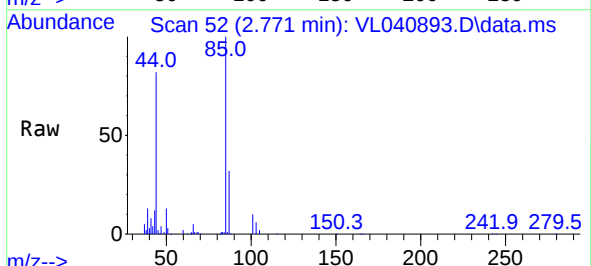
Tgt Ion: 49 Resp: 903454
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 59.1 30.9 92.8

Manual Integrations
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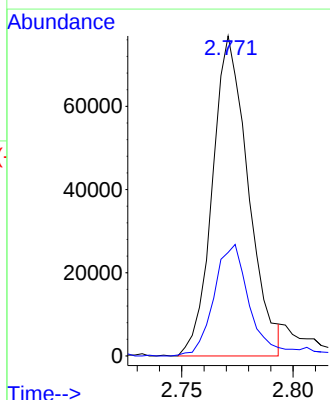
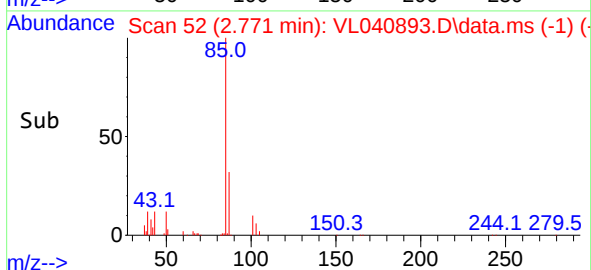
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

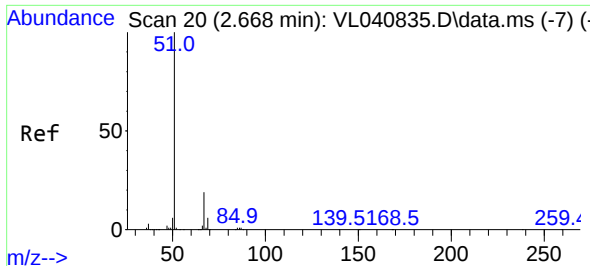


#2
Dichlorodifluoromethane
Concen: 0.470 ppbv
RT: 2.771 min Scan# 52
Delta R.T. -0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34



Tgt Ion: 85 Resp: 86078
Ion Ratio Lower Upper
85 100
87 32.0 26.7 40.1





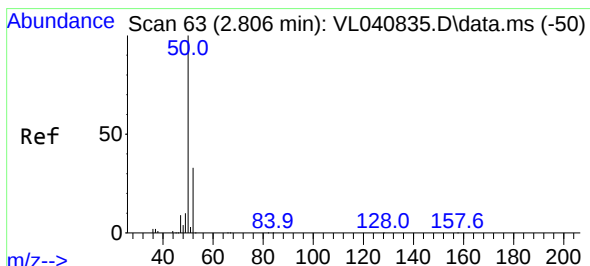
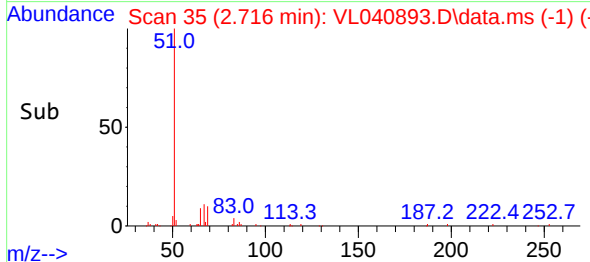
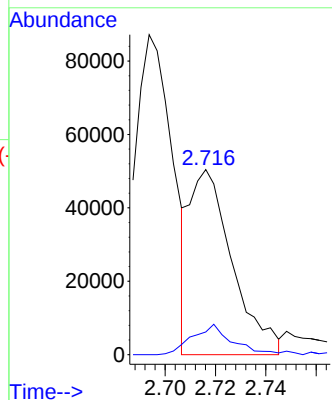
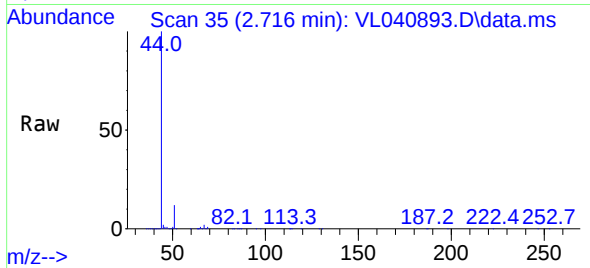
#3
Chlorodifluoromethane
Concen: 0.412 ppbv m
RT: 2.716 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Tgt Ion: 51 Resp: 59452
Ion Ratio Lower Upper
51 100
67 15.9 15.0 22.4

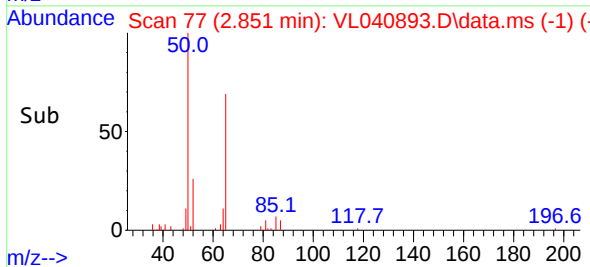
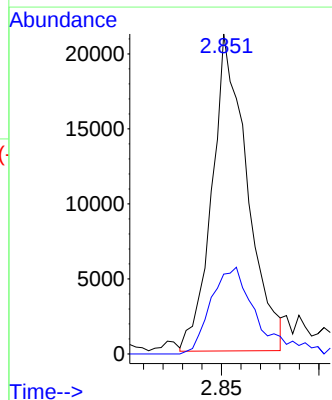
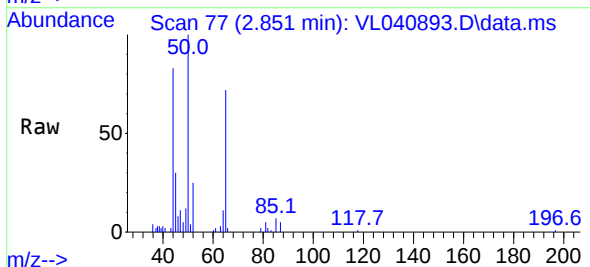
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Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

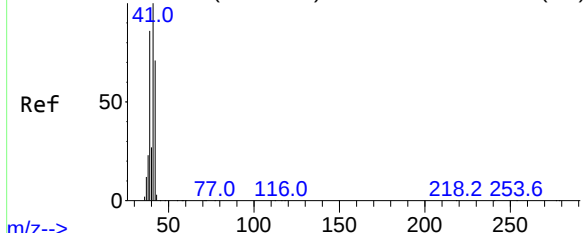


#4
Chloromethane
Concen: 0.513 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Tgt Ion: 50 Resp: 26584
Ion Ratio Lower Upper
50 100
52 26.0 26.5 39.7#



Abundance Scan 26 (2.687 min): VL040835.D\data.ms (-18)



#9

Propene

Concen: 2.458 ppbv m

RT: 2.748 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040893.D

Acq: 17 Nov 2023 13:34

Instrument :

MSVOA_L

ClientSampleId :

NT-IA-9

Tgt Ion: 41 Resp: 119470

Ion Ratio Lower Upper

41 100

42 57.0 56.5 84.7

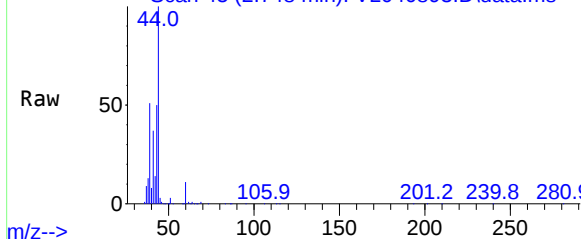
Manual Integrations

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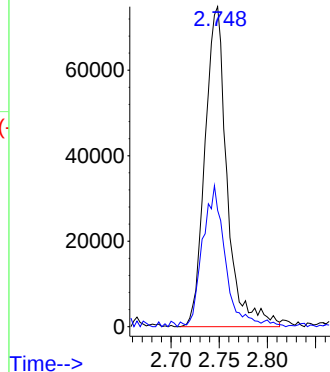
Reviewed By :Semsettin Yesilyurt 11/20/2023

Supervised By :Mahesh Dadoda 11/21/2023

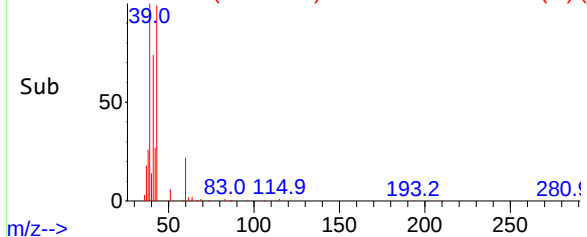
Abundance Scan 45 (2.748 min): VL040893.D\data.ms



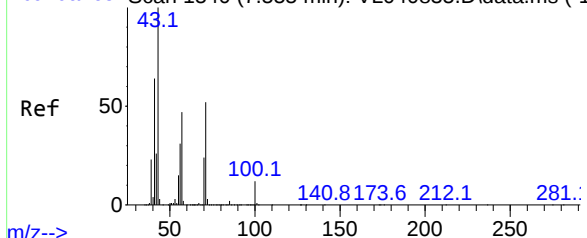
Abundance



Abundance Scan 45 (2.748 min): VL040893.D\data.ms (-1)



Abundance Scan 1540 (7.555 min): VL040835.D\data.ms (-1)



#10

Heptane

Concen: 0.278 ppbv

RT: 7.594 min Scan# 1552

Delta R.T. 0.006 min

Lab File: VL040893.D

Acq: 17 Nov 2023 13:34

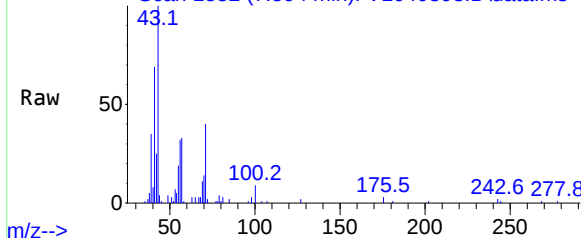
Tgt Ion: 43 Resp: 33235

Ion Ratio Lower Upper

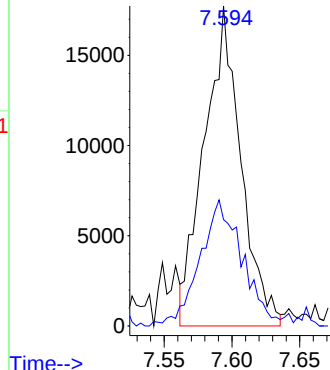
43 100

57 48.0 39.4 59.0

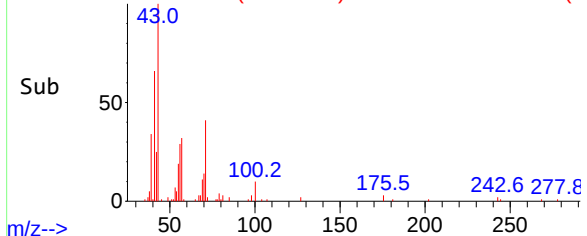
Abundance Scan 1552 (7.594 min): VL040893.D\data.ms

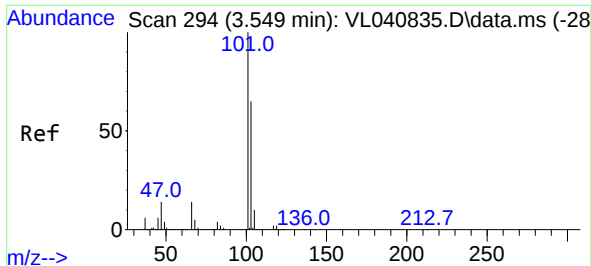


Abundance



Abundance Scan 1552 (7.594 min): VL040893.D\data.ms (-1)





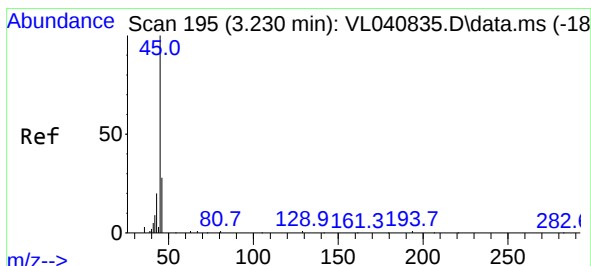
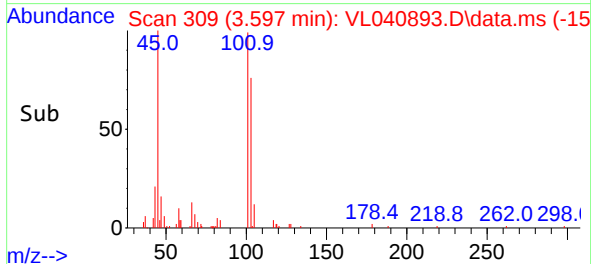
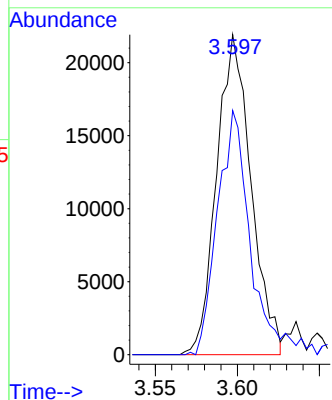
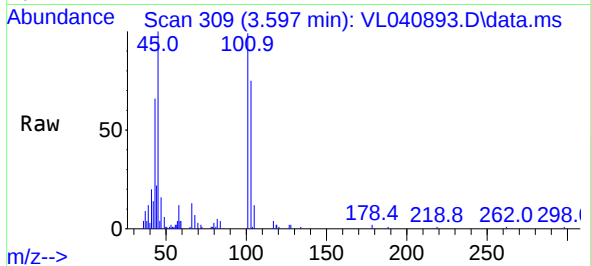
#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Tgt Ion:101 Resp: 3192
Ion Ratio Lower Upper
101 100
103 77.0 51.8 77.8

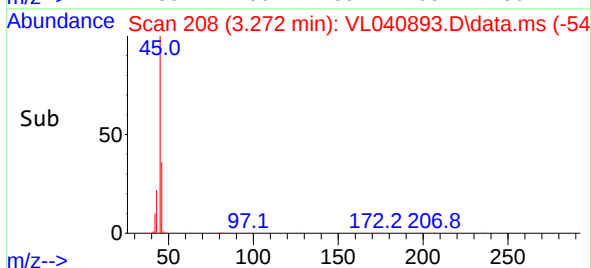
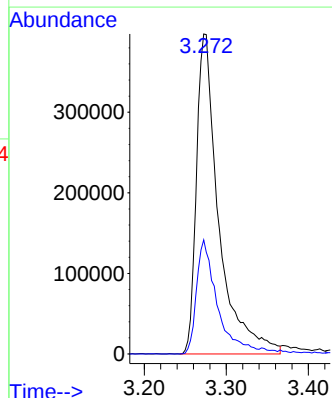
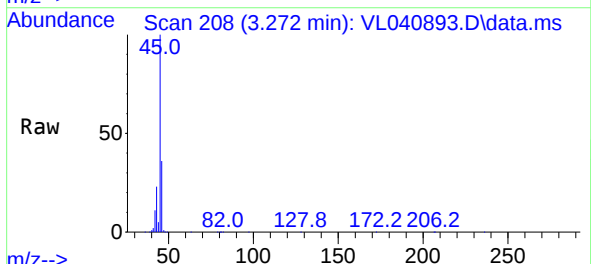
Manual Integrations
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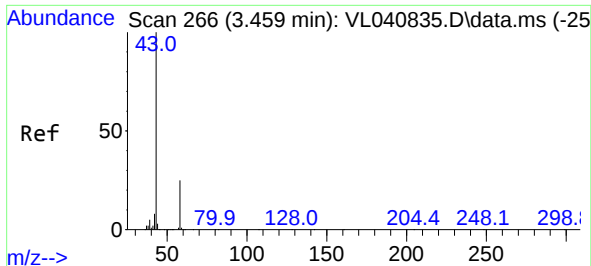
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#13
Ethanol
Concen: 79.368 ppbv
RT: 3.272 min Scan# 208
Delta R.T. -0.006 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Tgt Ion: 45 Resp: 749183
Ion Ratio Lower Upper
45 100
46 35.2 0.0 0.0#





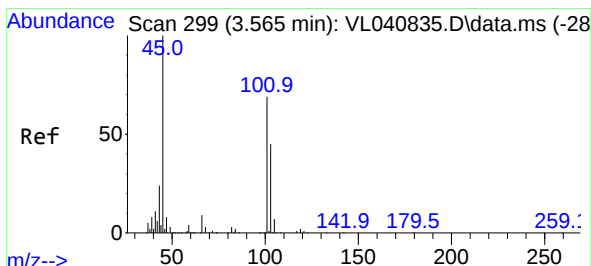
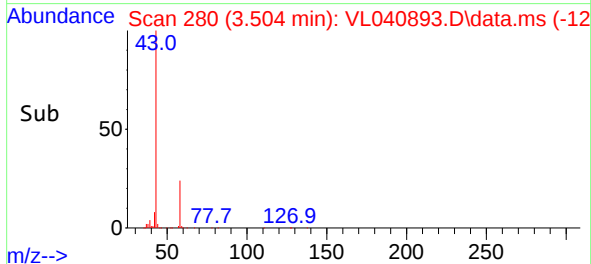
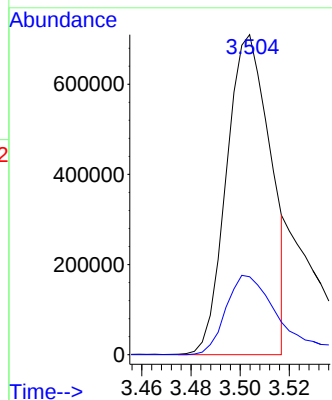
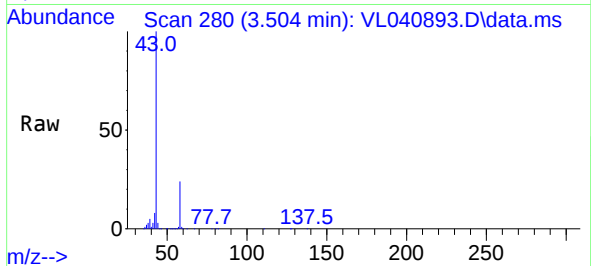
#15
Acetone
Concen: 9.172 ppbv m
RT: 3.504 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Tgt Ion: 43 Resp: 882528
Ion Ratio Lower Upper
43 100
58 33.3 20.9 31.3

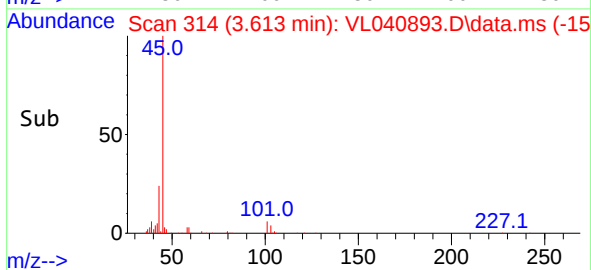
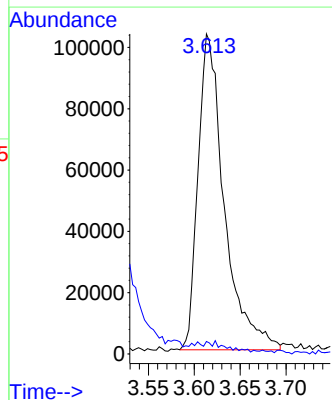
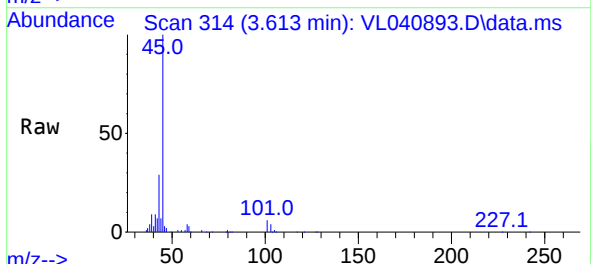
Manual Integrations
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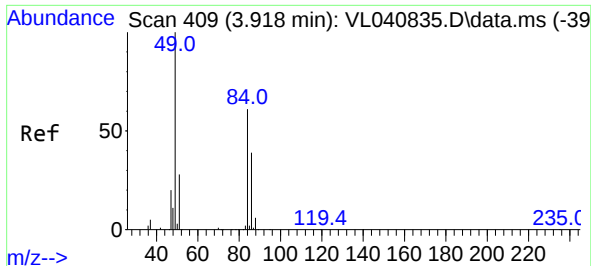
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#19
Isopropyl Alcohol
Concen: 3.543 ppbv
RT: 3.613 min Scan# 314
Delta R.T. 0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

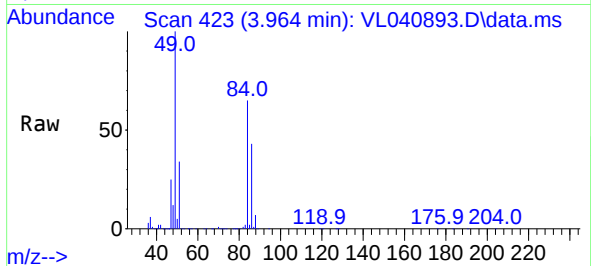
Tgt Ion: 45 Resp: 205148
Ion Ratio Lower Upper
45 100
58 137.5 1.6 2.4





#20
Methylene Chloride
Concen: 86.071 ppbv
RT: 3.964 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

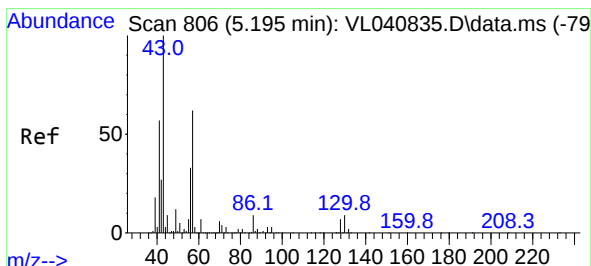
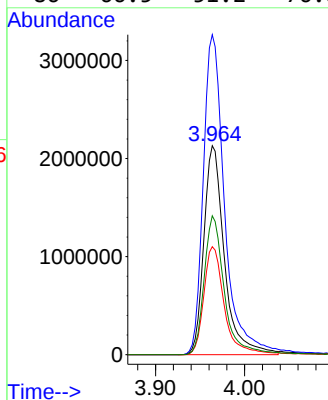
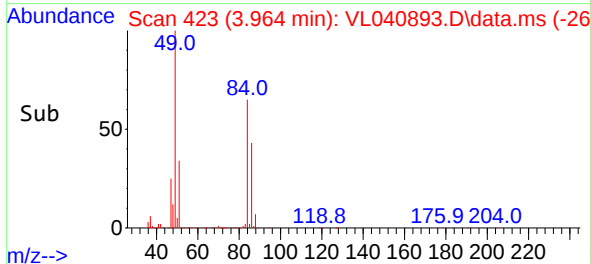


Tgt Ion: 84 Resp: 341783

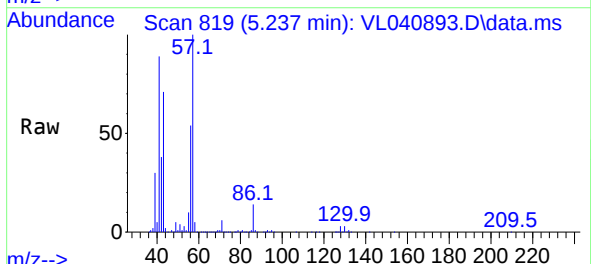
Ion	Ratio	Lower	Upper
84	100		
49	153.1	131.0	196.4
51	51.7	36.9	55.3
86	66.5	51.2	76.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

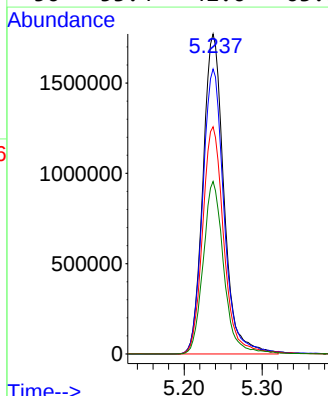
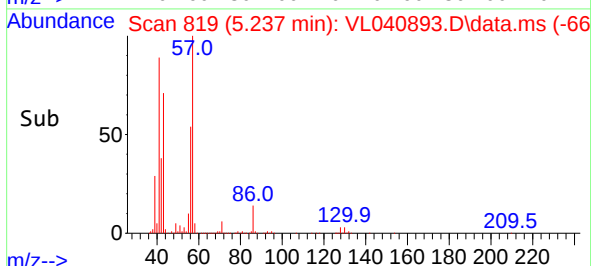


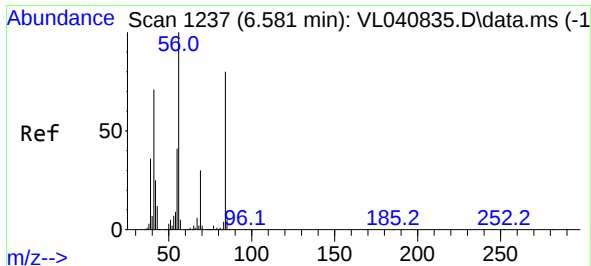
#26
Hexane
Concen: 37.424 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34



Tgt Ion: 57 Resp: 3300019

Ion	Ratio	Lower	Upper
57	100		
41	91.6	75.4	113.0
43	72.2	185.9	278.9#
56	53.4	42.6	63.8





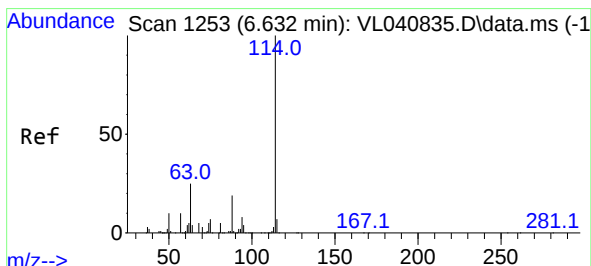
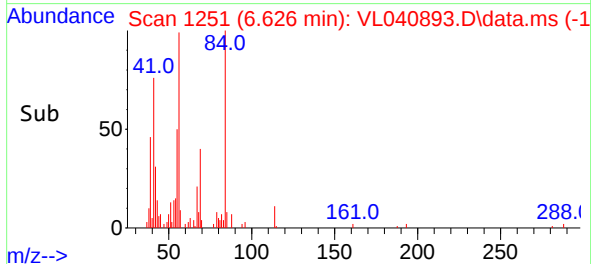
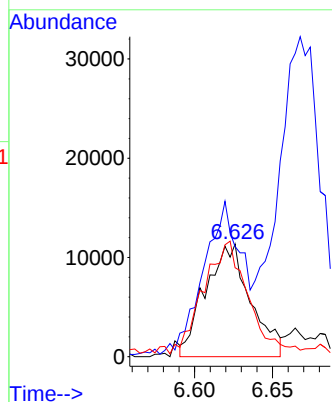
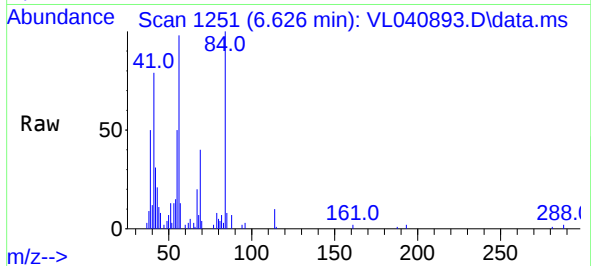
#30
Cyclohexane
Concen: 0.301 ppbv
RT: 6.626 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Tgt Ion: 84 Resp: 22854
Ion Ratio Lower Upper
84 100
56 120.5 109.3 163.9
41 121.1 71.4 107.2

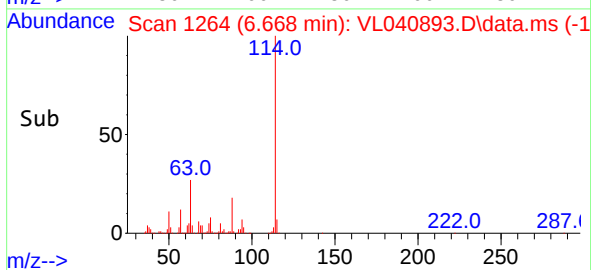
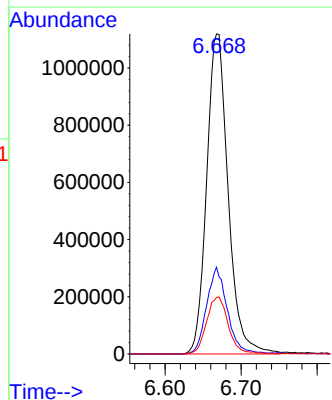
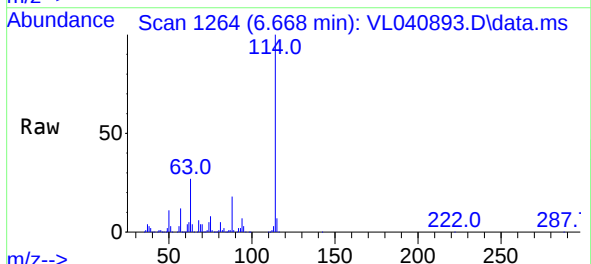
Manual Integrations
APPROVED

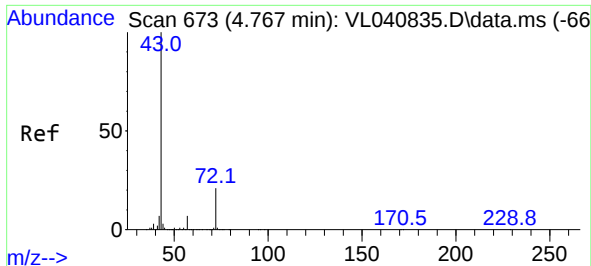
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. 0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Tgt Ion:114 Resp: 2196012
Ion Ratio Lower Upper
114 100
63 26.3 20.9 31.3
88 18.2 14.3 21.5





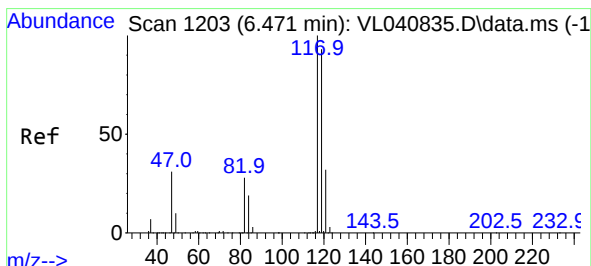
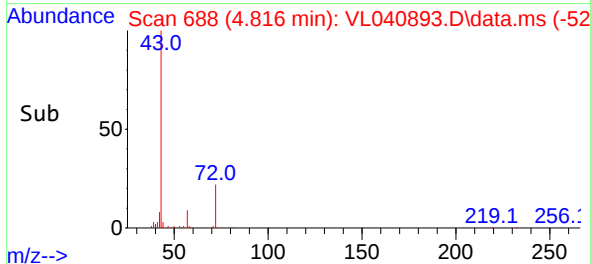
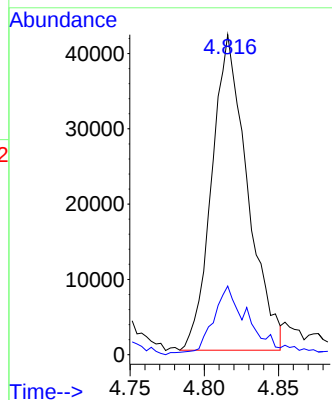
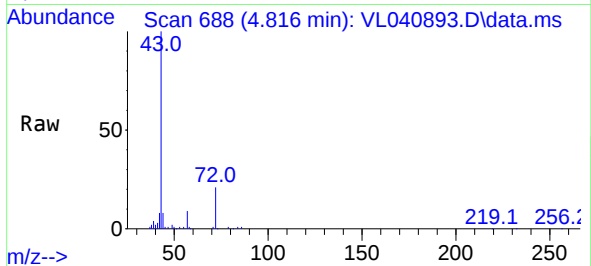
#34
2-Butanone
Concen: 0.626 ppbv
RT: 4.816 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Tgt Ion: 43 Resp: 69990
Ion Ratio Lower Upper
43 100
72 23.3 17.2 25.8

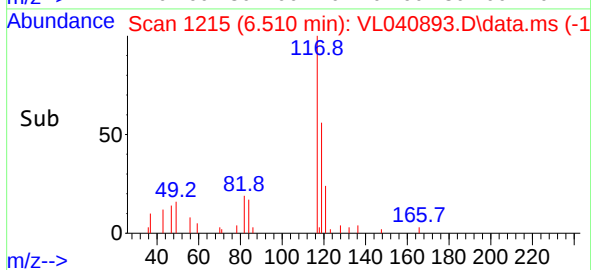
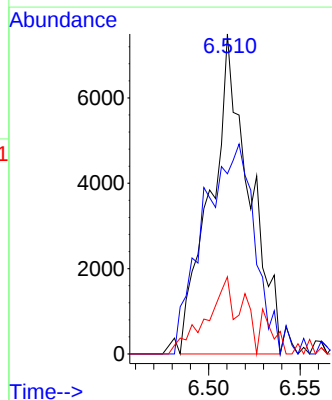
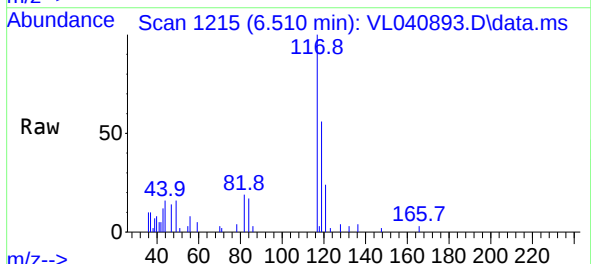
Manual Integrations
APPROVED

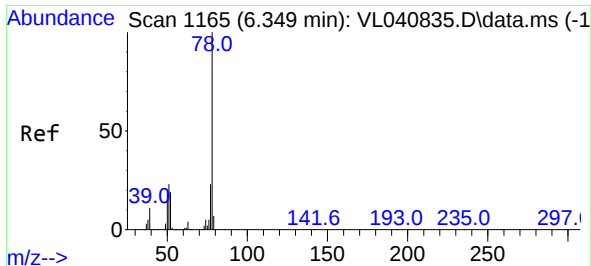
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 6.510 min Scan# 1215
Delta R.T. 0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

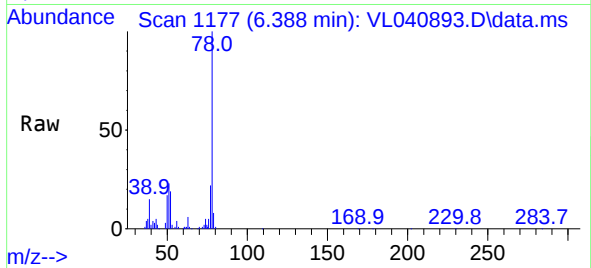
Tgt Ion:117 Resp: 11039
Ion Ratio Lower Upper
117 100
119 56.3 74.7 112.1#
121 24.1 25.5 38.3#





#36
Benzene
Concen: 0.587 ppbv
RT: 6.388 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

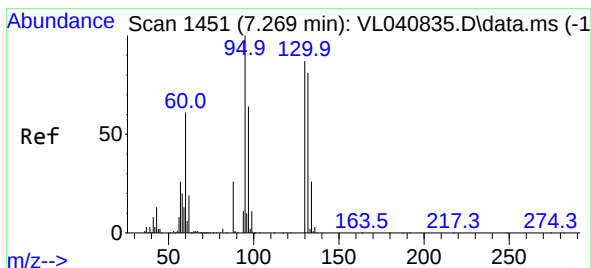
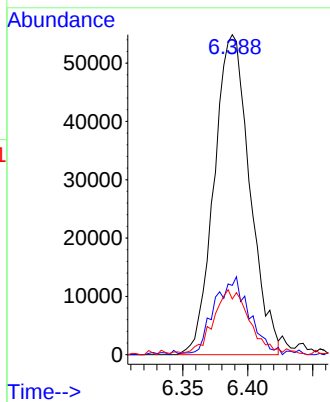
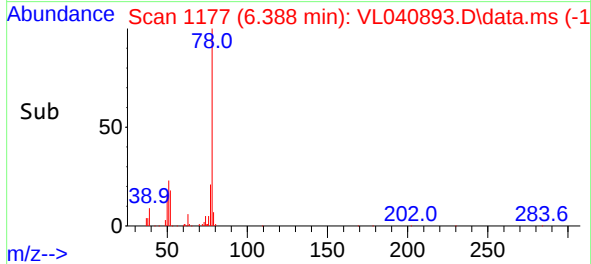
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



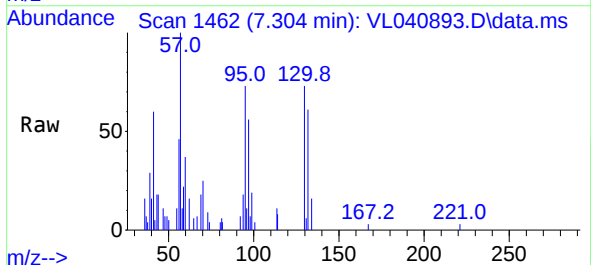
Tgt Ion: 78 Resp: 10459
Ion Ratio Lower Upper
78 100
77 21.6 18.4 27.6
50 16.1 16.2 24.2

Manual Integrations
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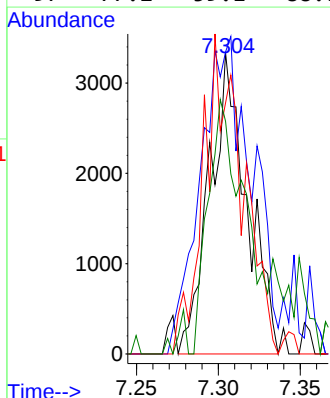
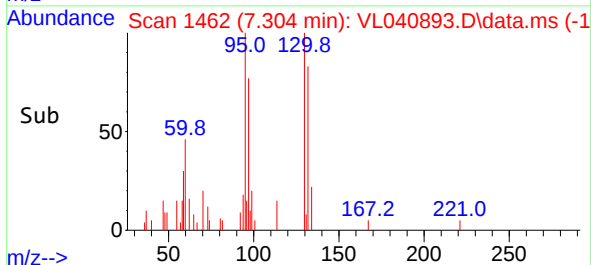
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

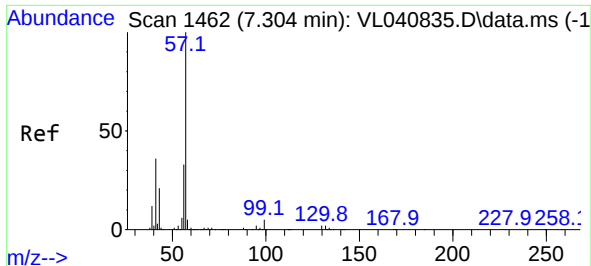


#38
Trichloroethene
Concen: 0.076 ppbv m
RT: 7.304 min Scan# 1462
Delta R.T. 0.006 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34



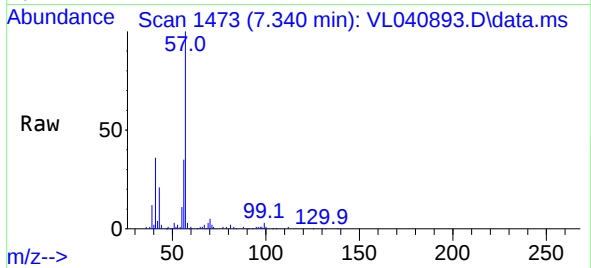
Tgt Ion:130 Resp: 5270
Ion Ratio Lower Upper
130 100
95 100.3 92.4 138.6
132 83.3 75.1 112.7
97 77.2 59.1 88.7





#44
2,2,4-Trimethylpentane
Concen: 0.454 ppbv
RT: 7.340 min Scan# 1462
Delta R.T. 0.006 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

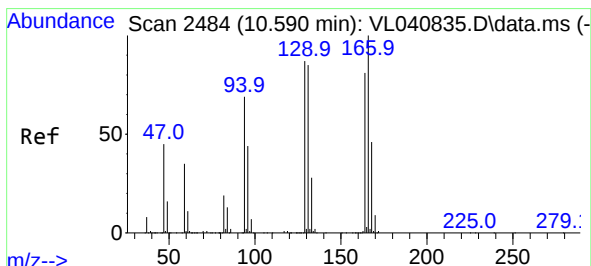
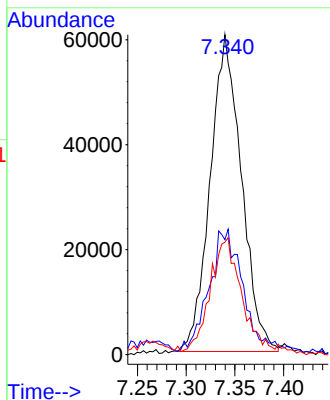
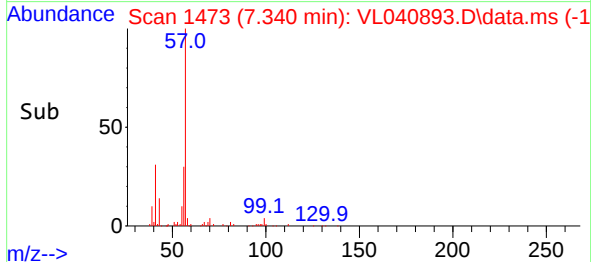
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



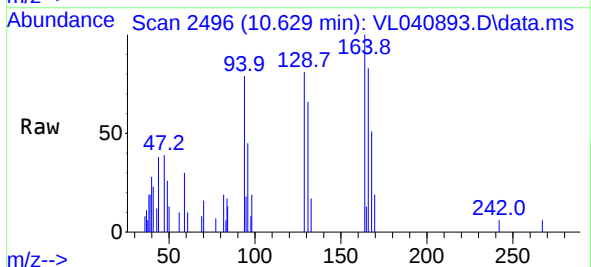
Tgt Ion: 57 Resp: 134409
Ion Ratio Lower Upper
57 100
41 44.3 29.0 43.6#
56 40.1 25.2 37.8#

Manual Integrations
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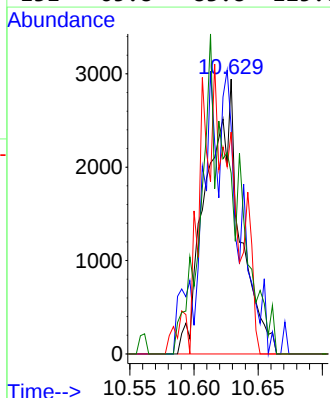
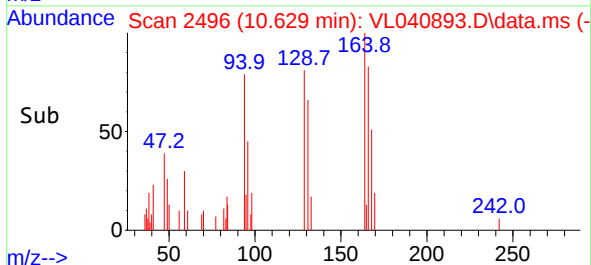
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

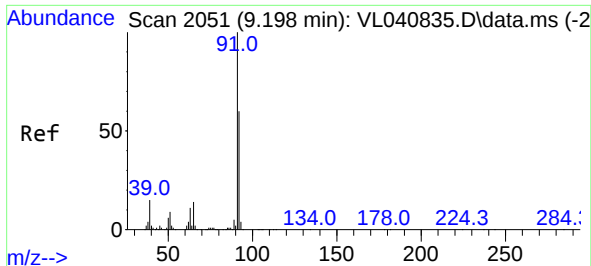


#52
Tetrachloroethene
Concen: 0.089 ppbv m
RT: 10.629 min Scan# 2496
Delta R.T. 0.013 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34



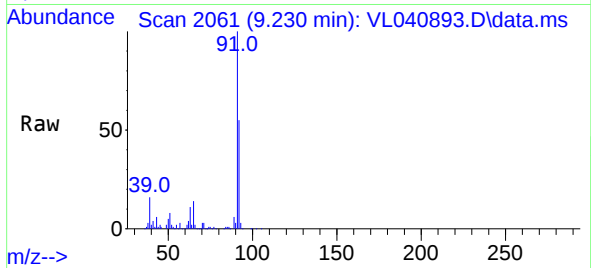
Tgt Ion:164 Resp: 5325
Ion Ratio Lower Upper
164 100
166 82.6 98.3 147.5#
129 80.8 85.1 127.7#
131 65.8 83.8 125.6#





#53
Toluene
Concen: 1.459 ppbv
RT: 9.230 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

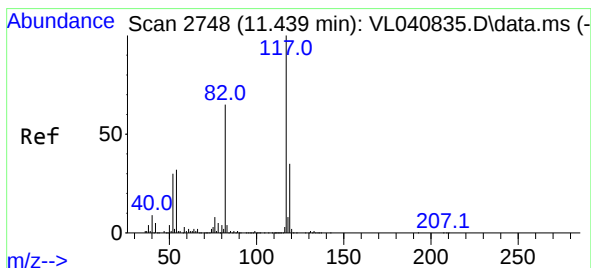
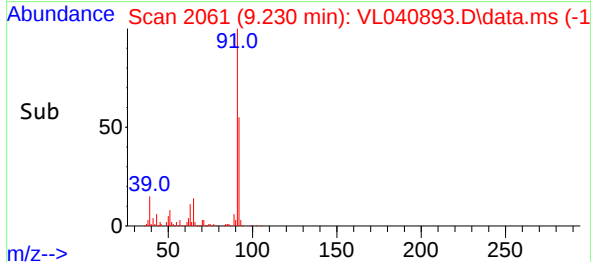
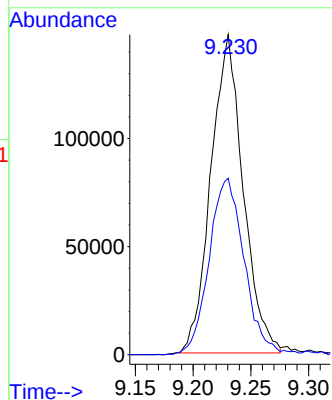
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



Tgt Ion: 91 Resp: 286068
Ion Ratio Lower Upper
91 100
92 61.0 49.4 74.2

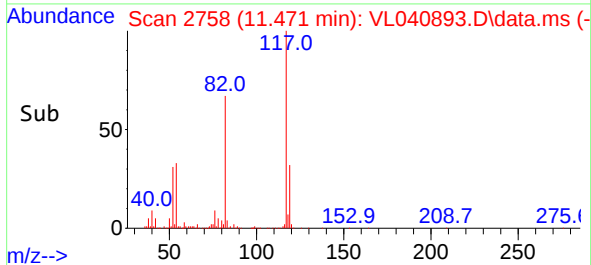
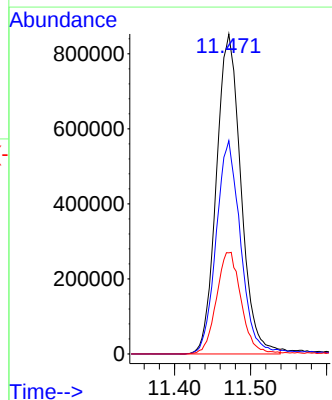
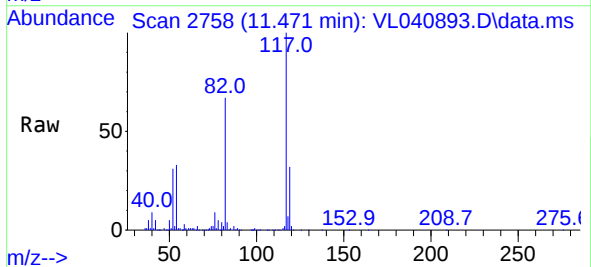
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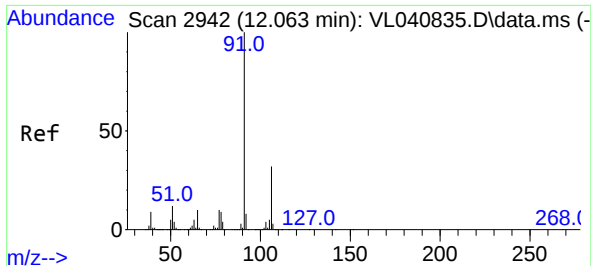
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.010 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Tgt Ion:117 Resp: 1912762
Ion Ratio Lower Upper
117 100
82 67.8 50.6 75.8
119 32.7 23.3 34.9





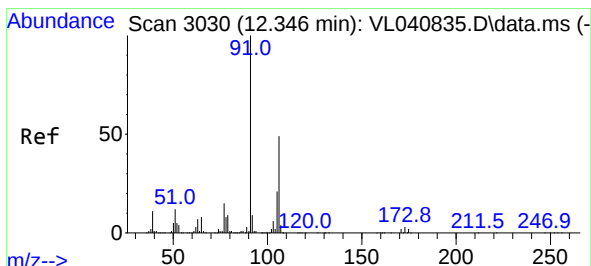
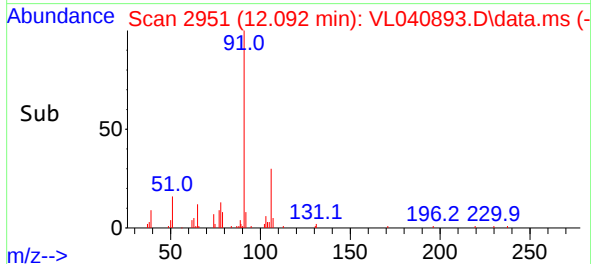
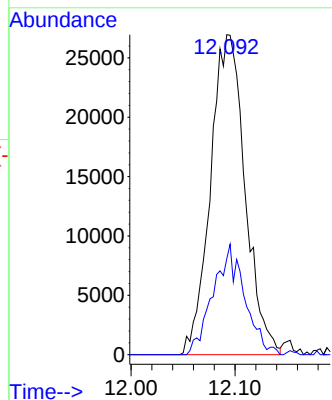
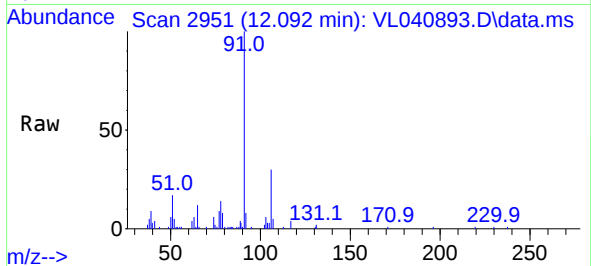
#58
Ethyl Benzene
Concen: 0.250 ppbv
RT: 12.092 min Scan# 2942
Delta R.T. 0.006 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Tgt Ion: 91 Resp: 6234
Ion Ratio Lower Upper
91 100
106 29.9 25.2 37.8

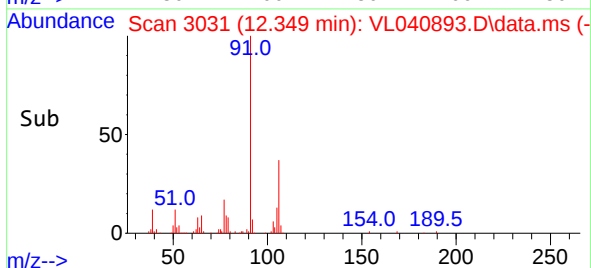
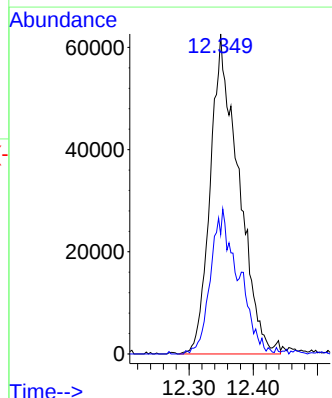
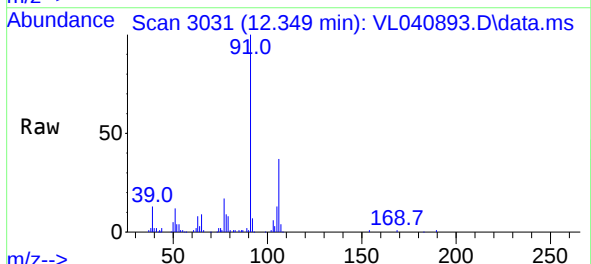
Manual Integrations
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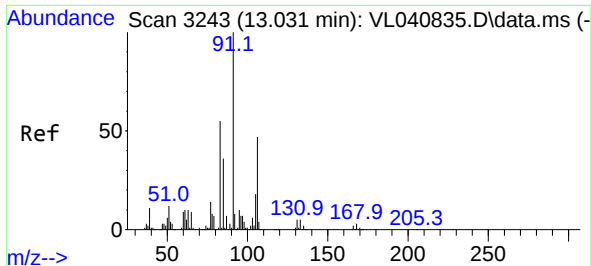
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#59
m/p-Xylene
Concen: 0.900 ppbv m
RT: 12.349 min Scan# 3031
Delta R.T. -0.019 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Tgt Ion: 91 Resp: 191213
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0#





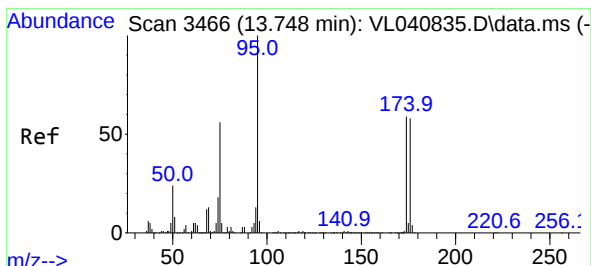
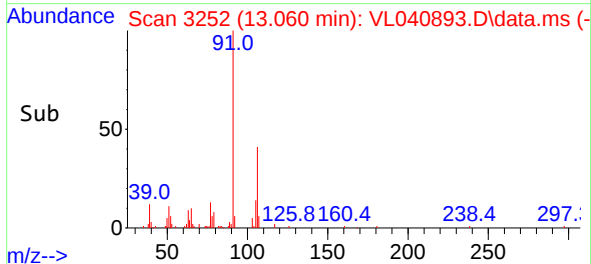
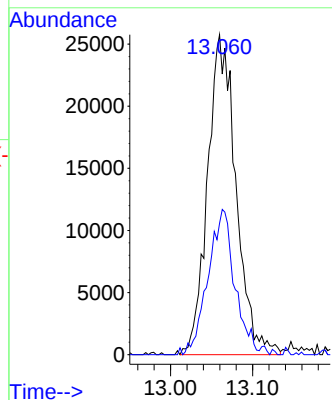
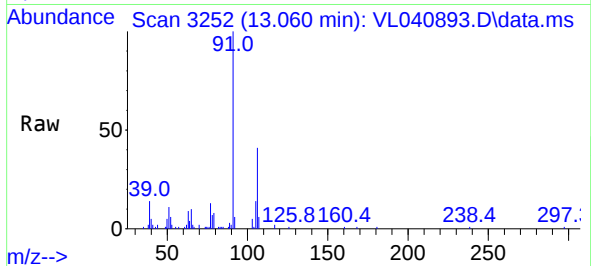
#60
o-Xylene
Concen: 0.307 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Tgt Ion: 91 Resp: 62080
Ion Ratio Lower Upper
91 100
106 43.8 22.9 68.5

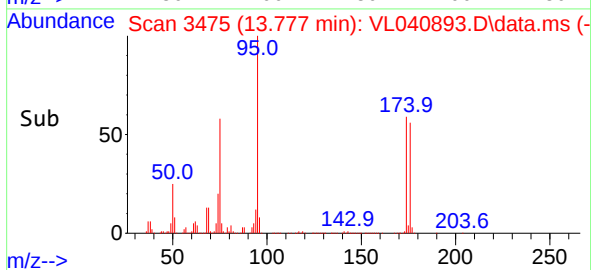
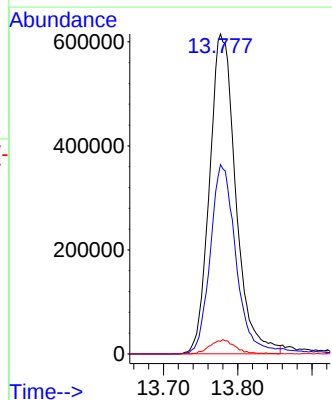
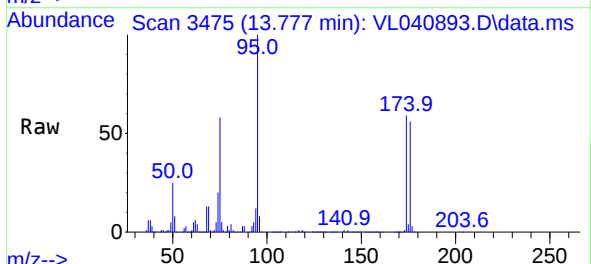
Manual Integrations
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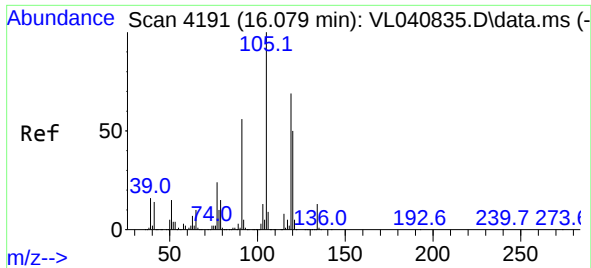
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.081 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.006 min
Lab File: VL040893.D
Acq: 17 Nov 2023 13:34

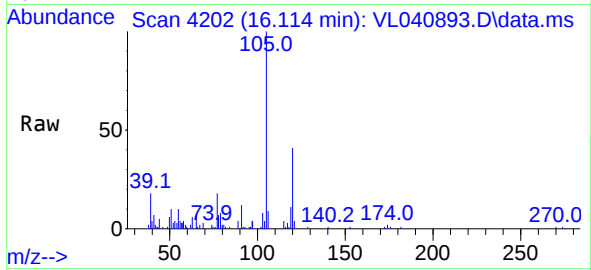
Tgt Ion: 95 Resp: 1509754
Ion Ratio Lower Upper
95 100
174 59.8 47.5 71.3
175 4.4 3.6 5.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.219 ppbv
 RT: 16.114 min Scan# 4191
 Delta R.T. 0.013 min
 Lab File: VL040893.D
 Acq: 17 Nov 2023 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-IA-9



Tgt Ion:	105	Resp:	48104
Ion Ratio	Lower	Upper	
105	100		
120	40.2	40.2	60.2
91	13.4	45.7	68.5
77	22.9	19.2	28.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/20/2023
 Supervised By :Mahesh Dadoda 11/21/2023

