

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040827.D
 Acq On : 9 Nov 2023 8:42
 Operator : SY/MD
 Sample : 05276-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-IA-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 04:49:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Nov 09 00:25:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.224	49	1155578	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.674	114	2798496	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2421499	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1753146	9.839	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.774	85	22524	0.111	ppbv	100
4) Chloromethane	2.861	50	10578	0.158	ppbv	91
9) Propene	2.751	41	18990m	0.301	ppbv	
13) Ethanol	3.298	45	18826m	1.322	ppbv	
15) Acetone	3.520	43	68048m	0.570	ppbv	
20) Methylene Chloride	3.973	84	258583	5.196	ppbv	97
26) Hexane	5.240	57	359081	3.002	ppbv #	41
44) 2,2,4-Trimethylpentane	7.346	57	92100m	0.253	ppbv	
53) Toluene	9.233	91	103968	0.406	ppbv	98
74) 1,2,4-Trimethylbenzene	16.133	105	30917m	0.115	ppbv	

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

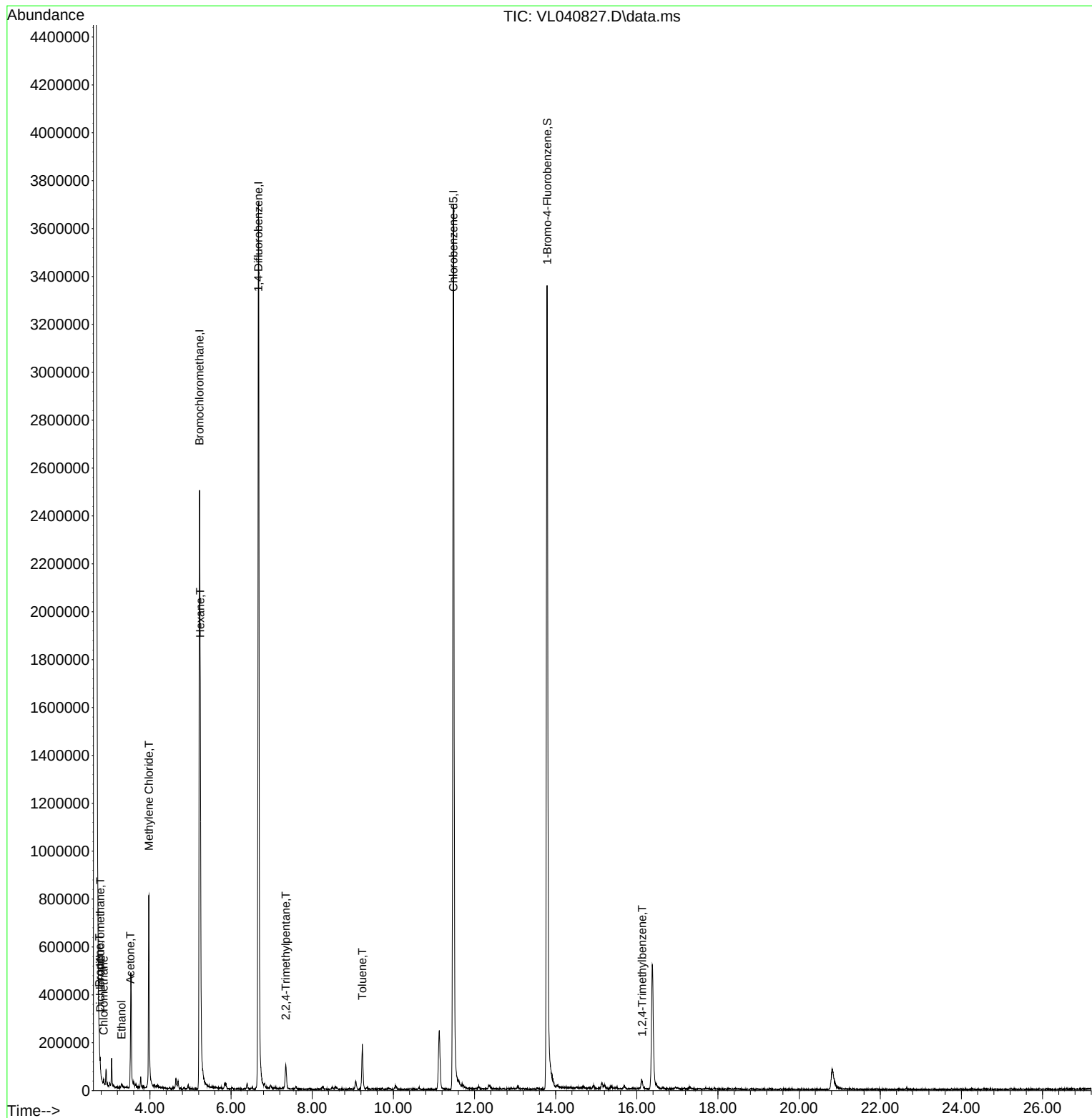
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
Data File : VL040827.D
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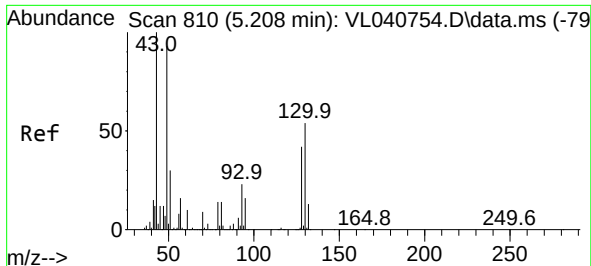
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-2DL

Quant Time: Nov 10 04:49:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
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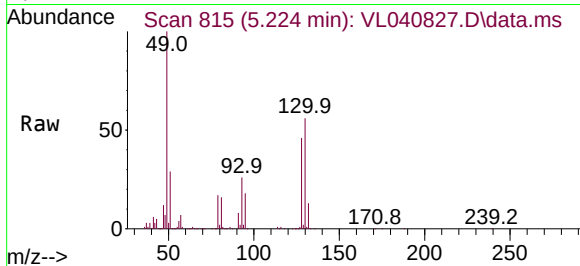
Reviewed By : Semsettin Yesilyurt 11/11/2023
Supervised By : Mahesh Dadoda 11/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.224 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

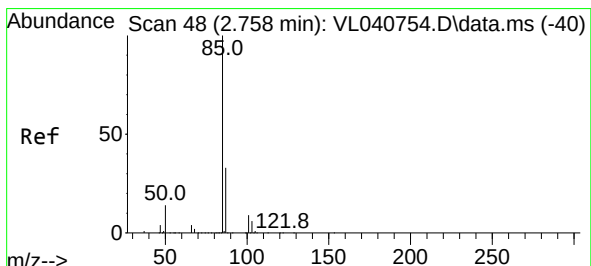
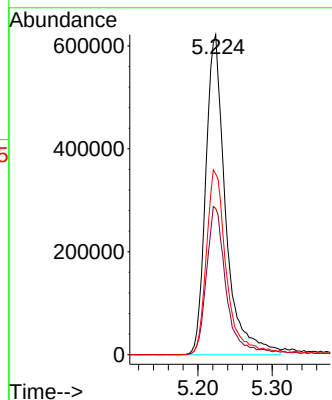
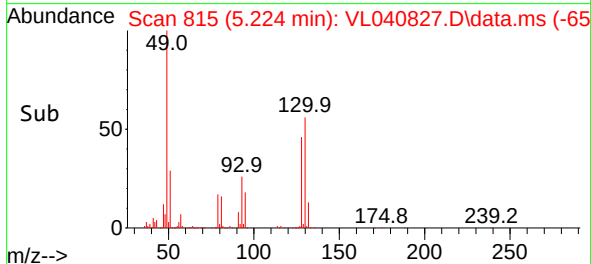
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-2DL



Tgt Ion: 49 Resp: 1155578
Ion Ratio Lower Upper
49 100
128 46.6 23.9 71.7
130 60.3 30.7 92.1

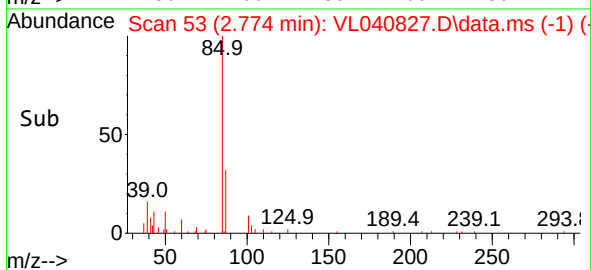
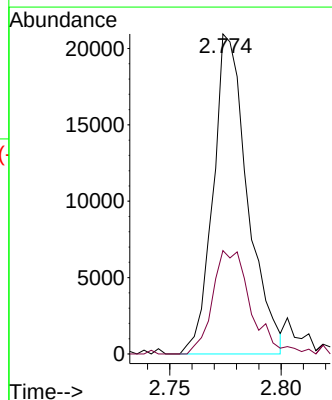
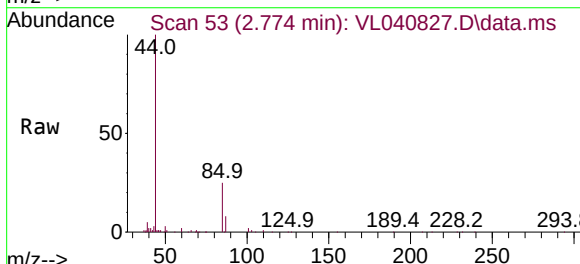
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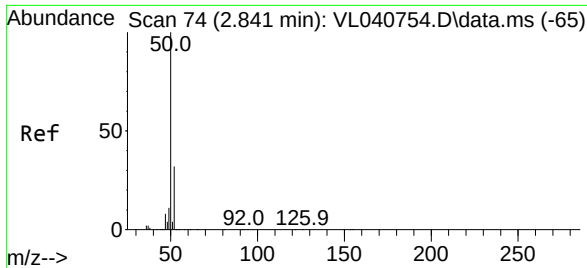
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#2
Dichlorodifluoromethane
Concen: 0.111 ppbv
RT: 2.774 min Scan# 53
Delta R.T. 0.003 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

Tgt Ion: 85 Resp: 22524
Ion Ratio Lower Upper
85 100
87 32.3 26.0 39.0





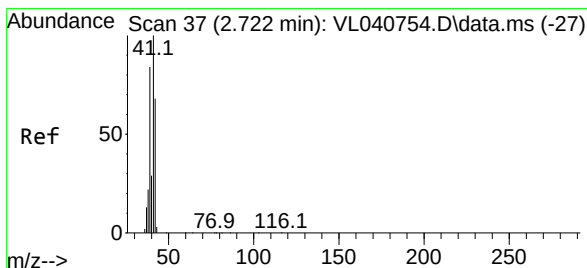
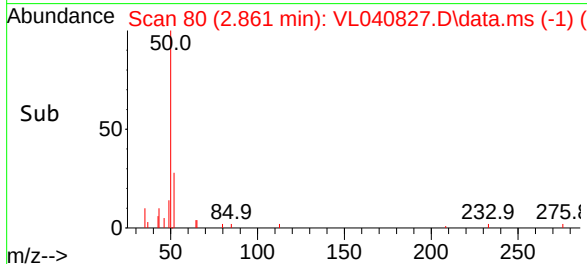
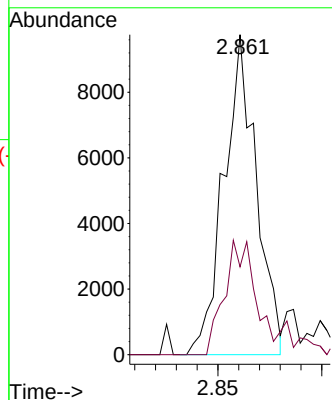
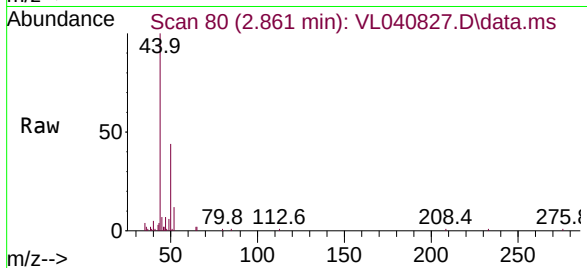
#4
Chloromethane
Concen: 0.158 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

Instrument :
MSVOA_L
ClientSampleId :
SH-IA-2DL

Tgt Ion: 50 Resp: 10578
Ion Ratio Lower Upper
50 100
52 26.6 25.3 37.9

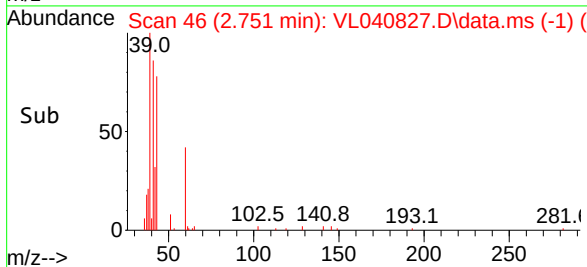
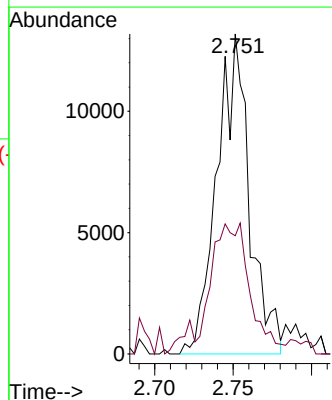
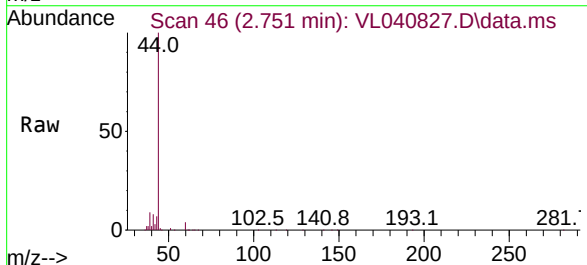
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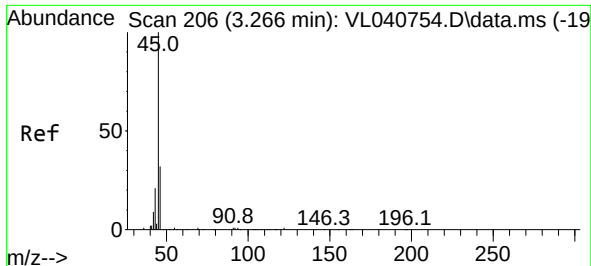
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#9
Propene
Concen: 0.301 ppbv m
RT: 2.751 min Scan# 46
Delta R.T. 0.016 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

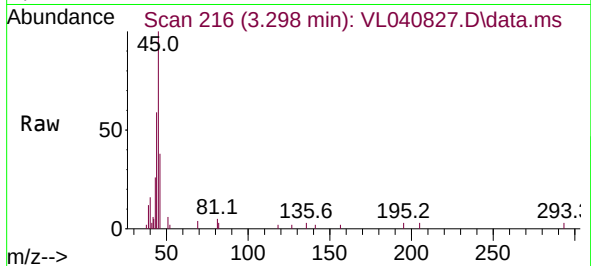
Tgt Ion: 41 Resp: 18990
Ion Ratio Lower Upper
41 100
42 60.4 57.1 85.7





#13
Ethanol
Concen: 1.322 ppbv m
RT: 3.298 min Scan# 216
Delta R.T. 0.019 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

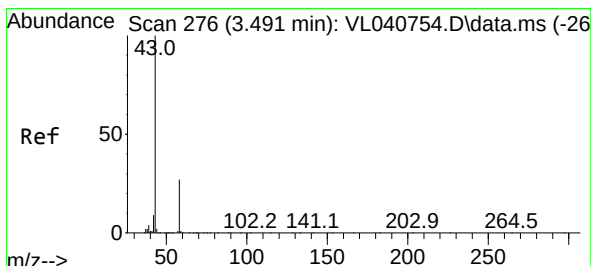
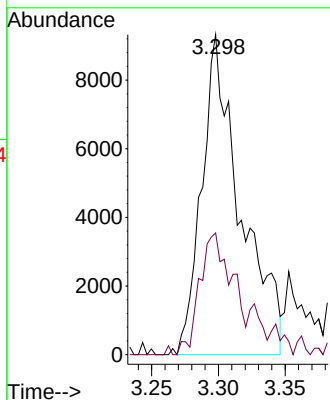
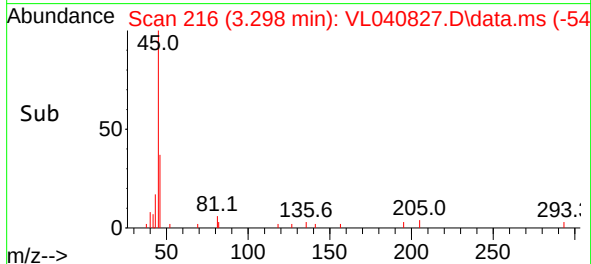
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-2DL



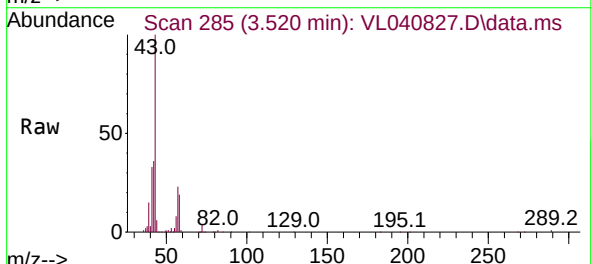
Tgt Ion: 45 Resp: 18820
Ion Ratio Lower Upper
45 100
46 43.3 14.6 58.2

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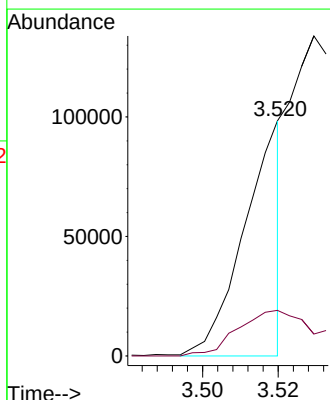
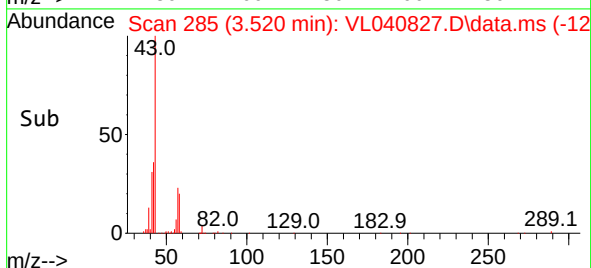
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

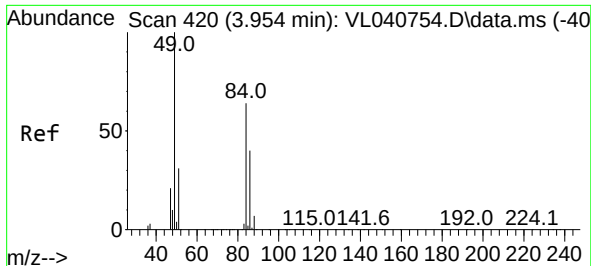


#15
Acetone
Concen: 0.570 ppbv m
RT: 3.520 min Scan# 285
Delta R.T. 0.019 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42



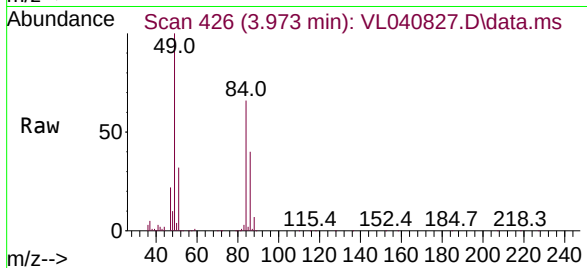
Tgt Ion: 43 Resp: 68048
Ion Ratio Lower Upper
43 100
58 52.7 21.6 32.4#





#20
Methylene Chloride
Concen: 5.196 ppbv
RT: 3.973 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

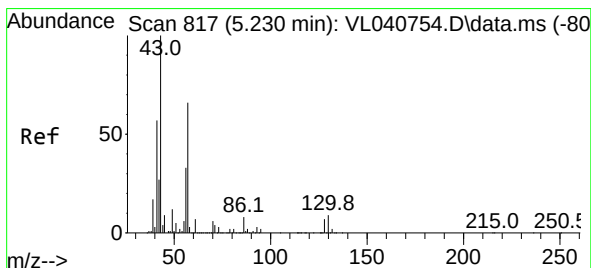
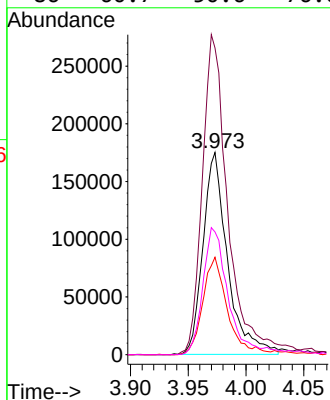
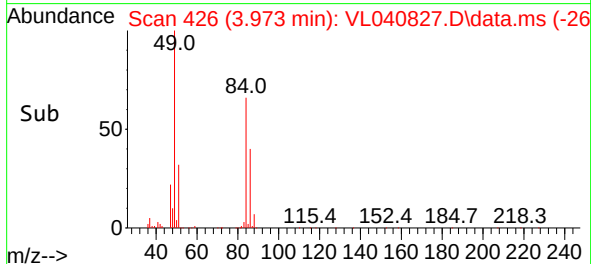
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-2DL



Tgt Ion: 84 Resp: 25858
Ion Ratio Lower Upper
84 100
49 151.6 125.6 188.4
51 48.3 38.9 58.3
86 60.7 50.6 76.0

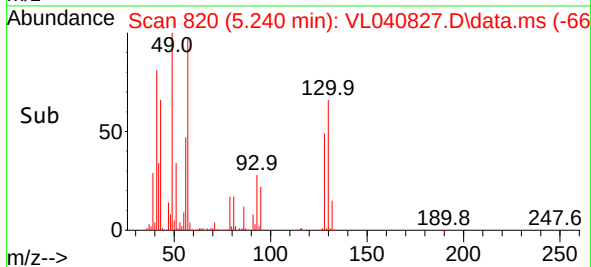
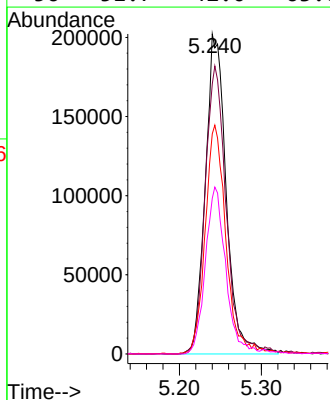
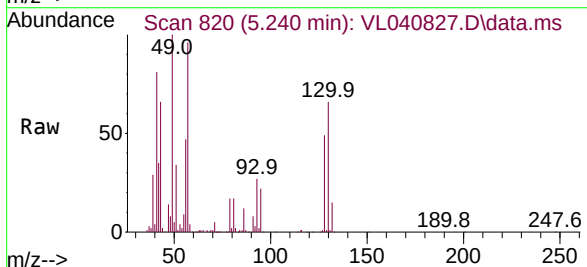
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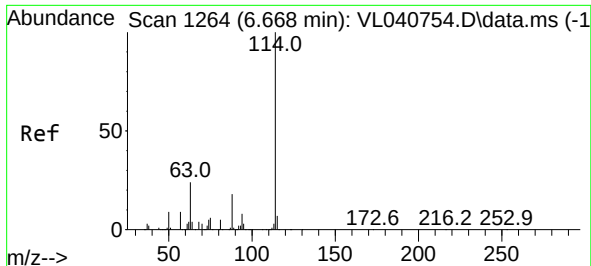
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#26
Hexane
Concen: 3.002 ppbv
RT: 5.240 min Scan# 820
Delta R.T. 0.013 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

Tgt Ion: 57 Resp: 359081
Ion Ratio Lower Upper
57 100
41 91.7 71.4 107.2
43 72.0 182.3 273.5#
56 51.7 42.0 63.0





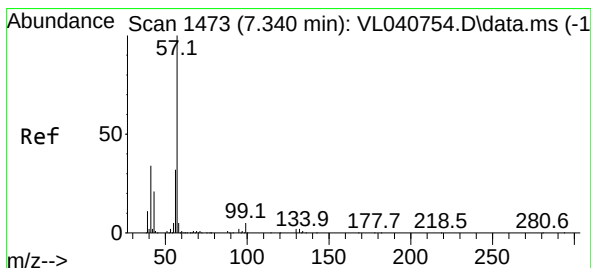
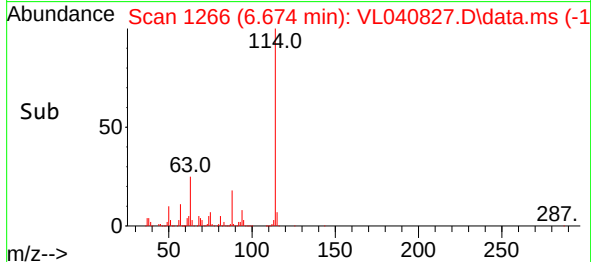
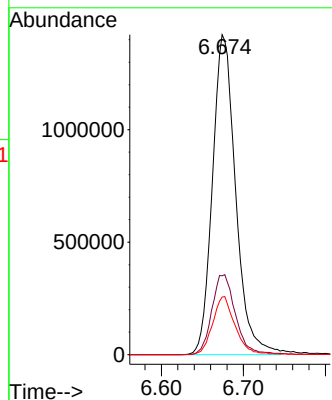
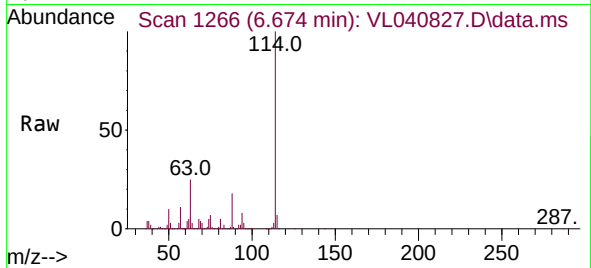
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.674 min Scan# 1266
 Delta R.T. 0.010 min
 Lab File: VL040827.D
 Acq: 9 Nov 2023 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-IA-2DL

Tgt Ion:114 Resp: 2798490
 Ion Ratio Lower Upper
 114 100
 63 25.7 19.8 29.6
 88 17.8 14.2 21.2

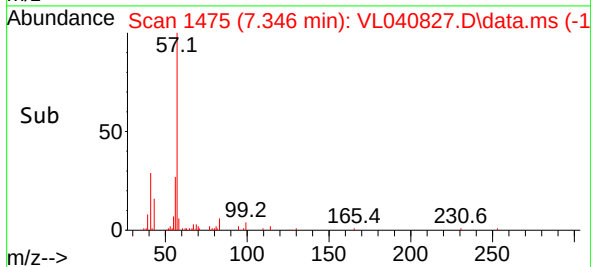
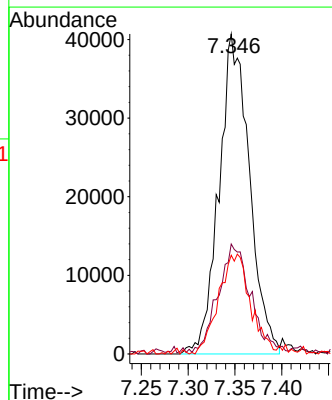
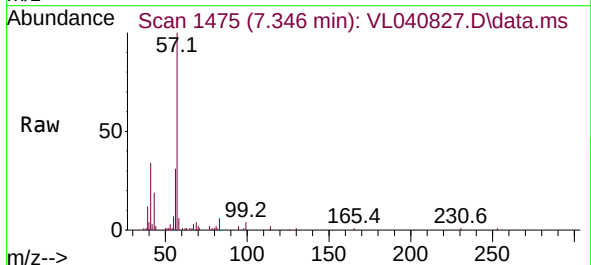
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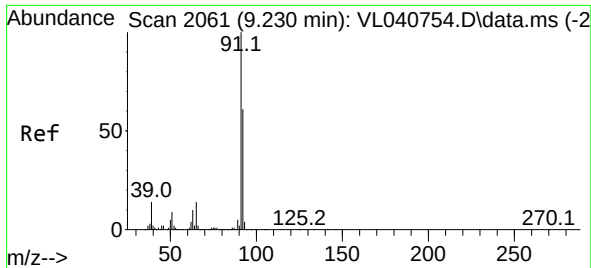
Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023



#44
 2,2,4-Trimethylpentane
 Concen: 0.253 ppbv m
 RT: 7.346 min Scan# 1475
 Delta R.T. 0.013 min
 Lab File: VL040827.D
 Acq: 9 Nov 2023 8:42

Tgt Ion: 57 Resp: 92100
 Ion Ratio Lower Upper
 57 100
 41 36.9 27.4 41.0
 56 0.0 25.0 37.6#





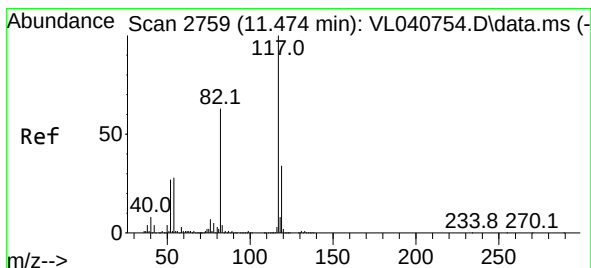
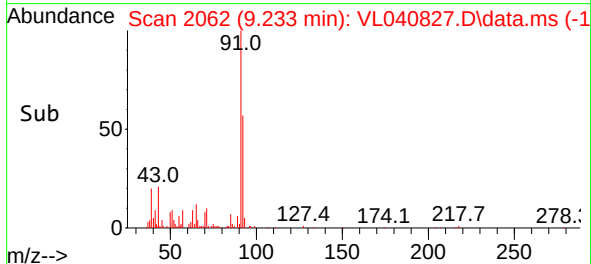
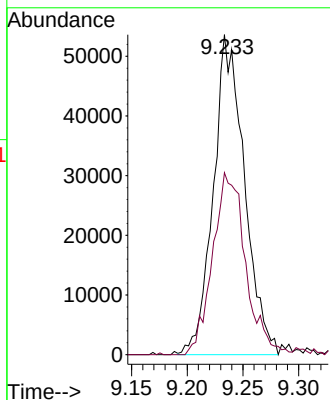
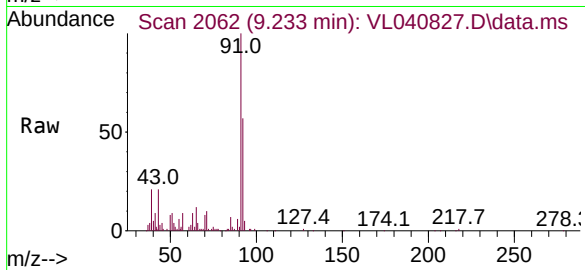
#53
Toluene
Concen: 0.406 ppbv
RT: 9.233 min Scan# 2061
Delta R.T. 0.013 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

Instrument :
MSVOA_L
ClientSampleId :
SH-IA-2DL

Tgt Ion: 91 Resp: 103968
Ion Ratio Lower Upper
91 100
92 61.3 50.2 75.2

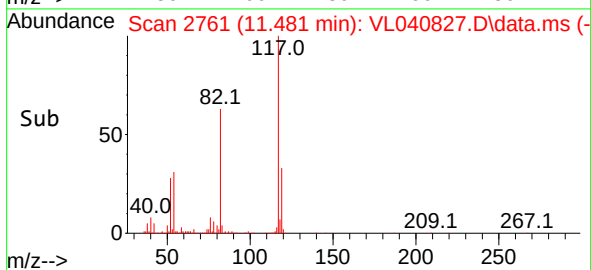
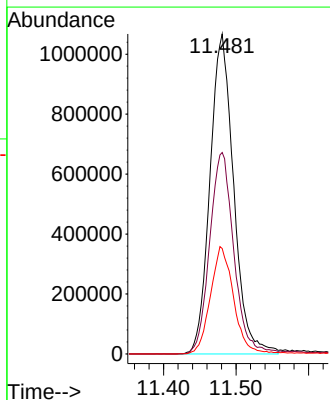
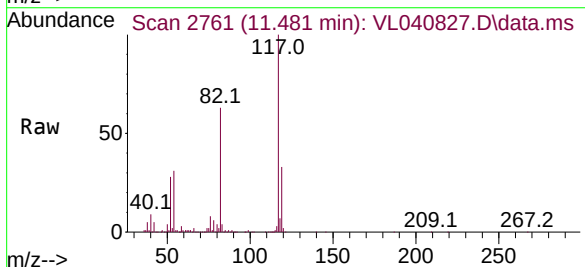
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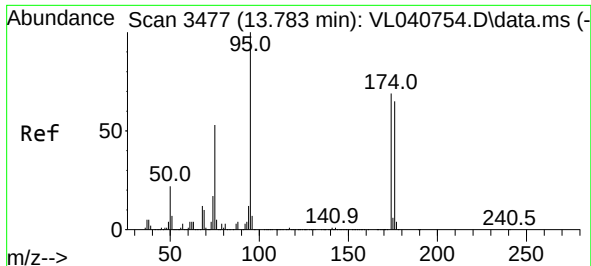
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.019 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

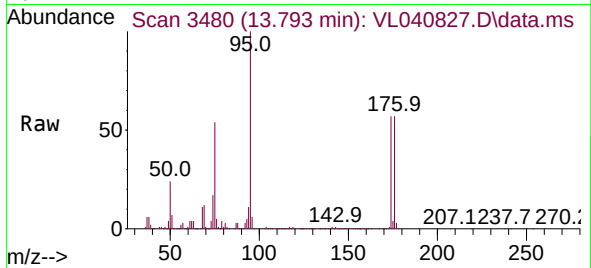
Tgt Ion:117 Resp: 2421499
Ion Ratio Lower Upper
117 100
82 65.2 46.6 70.0
119 33.6 26.0 39.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.839 ppbv
RT: 13.793 min Scan# 3477
Delta R.T. 0.023 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42

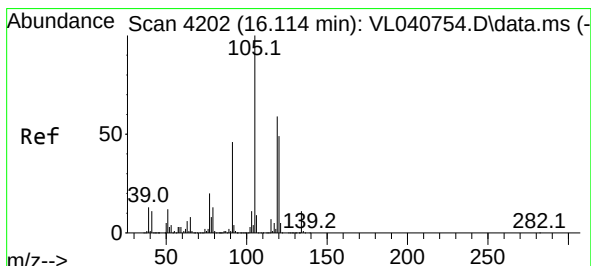
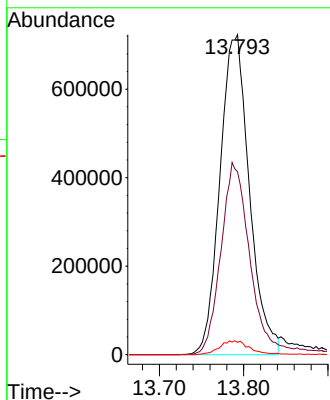
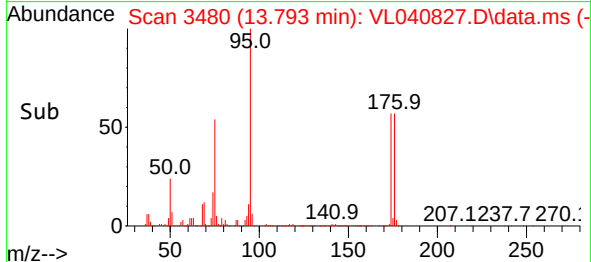
Instrument :
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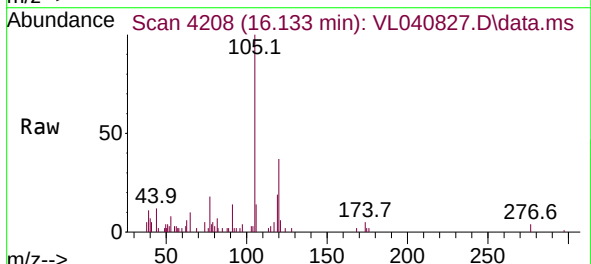
Tgt Ion: 95 Resp: 175314
Ion Ratio Lower Upper
95 100
174 61.4 54.7 82.1
175 4.5 4.2 6.4

Manual Integrations
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Supervised By :Mahesh Dadoda 11/13/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.115 ppbv m
RT: 16.133 min Scan# 4208
Delta R.T. 0.032 min
Lab File: VL040827.D
Acq: 9 Nov 2023 8:42



Tgt Ion:105 Resp: 30917
Ion Ratio Lower Upper
105 100
120 37.5 39.4 59.2#
91 14.2 38.6 58.0#
77 18.0 16.6 25.0

