

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041584.D
 Acq On : 22 Aug 2024 12:53
 Operator : SY/MD
 Sample : P3710-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CD131DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
 Supervised By :Mahesh Dadoda 08/23/2024

Quant Time: Aug 23 01:31:16 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 23 01:15:26 2024

QLast Update : Fri Aug 23 01:15:26 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	926187	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2447644	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2237155	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1688008	9.805	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
4) Chloromethane	2.832	50	6804	0.116	ppbv	98
9) Propene	2.729	41	35421m	0.699	ppbv	
13) Ethanol	3.253	45	252319	55.736	ppbv	88
15) Acetone	3.488	43	331417	3.149	ppbv #	78
19) Isopropyl Alcohol	3.594	45	313865	5.102	ppbv #	98
20) Methylene Chloride	3.944	84	66083	1.684	ppbv	97
25) Ethyl Acetate	5.211	43	217669	1.041	ppbv #	81
26) Hexane	5.218	57	42837	0.494	ppbv #	1
34) 2-Butanone	4.803	43	47101	0.398	ppbv	93
37) 1,2-Dichloroethane	5.809	62	11879m	0.119	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	108516	0.363	ppbv #	86
52) Tetrachloroethene	10.610	164	9510m	0.138	ppbv	
53) Toluene	9.211	91	899956	4.518	ppbv	98
58) Ethyl Benzene	12.082	91	28924	0.112	ppbv	91
59) m/p-Xylene	12.336	91	45770m	0.206	ppbv	
61) Styrene	12.889	104	19435m	0.205	ppbv	

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

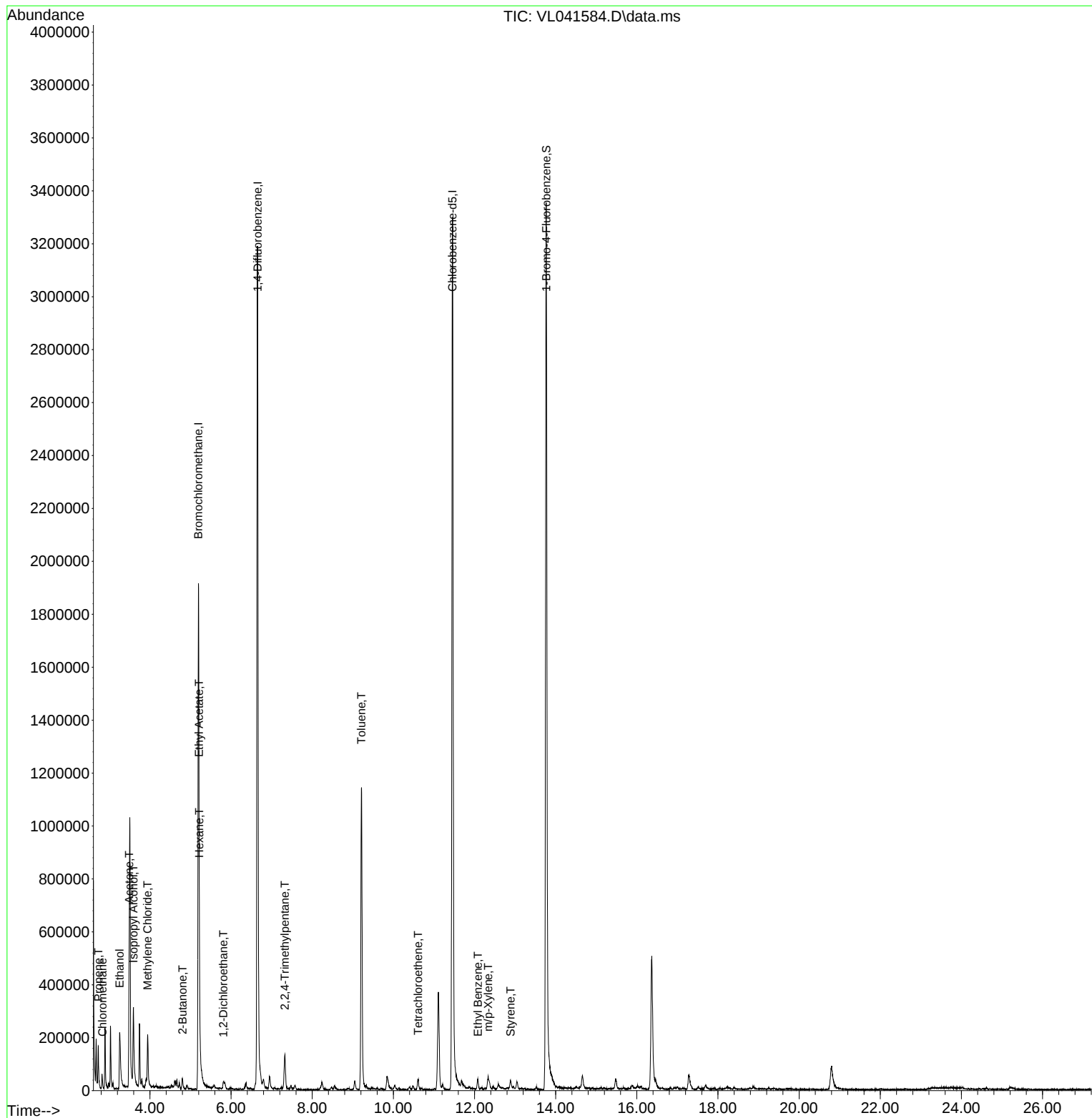
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
Data File : VL041584.D
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Misc : 400mL/MSVOA_L
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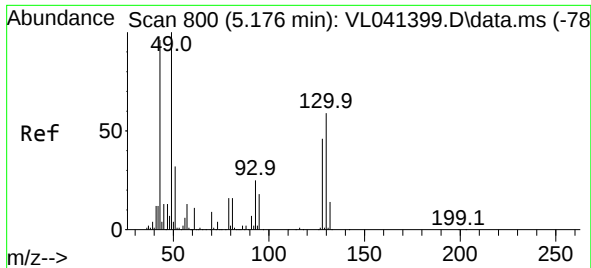
Instrument :
MSVOA_L
ClientSampleId :
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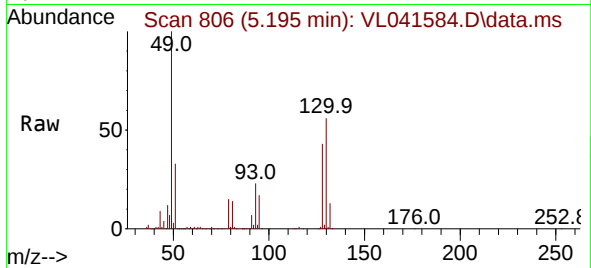
Quant Time: Aug 23 01:31:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 23 01:15:26 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

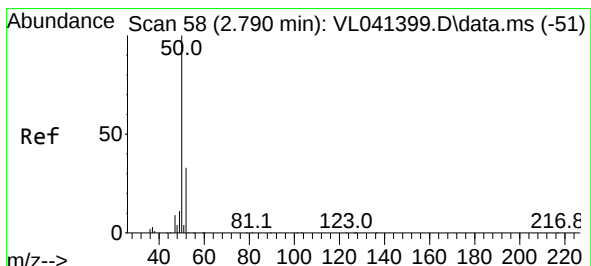
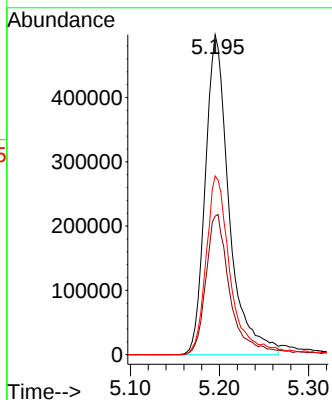
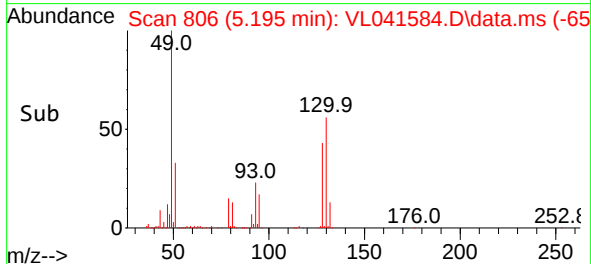
Instrument :
MSVOA_L
ClientSampleId :
CD131DL



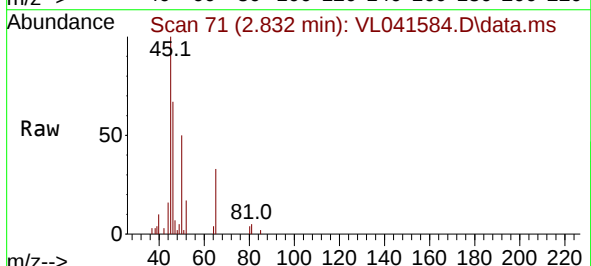
Tgt Ion: 49 Resp: 92618
Ion Ratio Lower Upper
49 100
128 45.4 23.8 71.4
130 59.0 30.8 92.4

Manual Integrations
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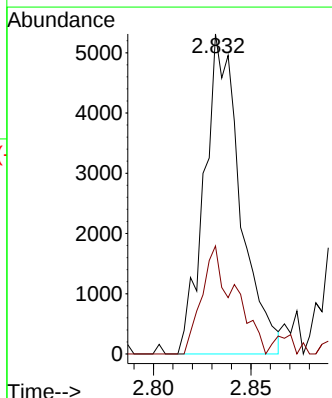
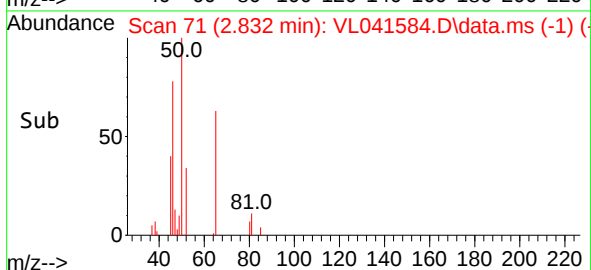
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

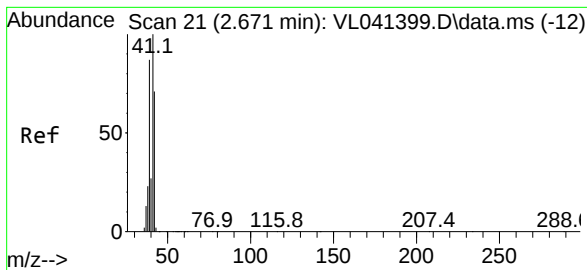


#4
Chloromethane
Concen: 0.116 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53



Tgt Ion: 50 Resp: 6804
Ion Ratio Lower Upper
50 100
52 33.8 26.1 39.1





#9

Propene

Concen: 0.699 ppbv m

RT: 2.729 min Scan# 39

Delta R.T. 0.019 min

Lab File: VL041584.D

Acq: 22 Aug 2024 12:53

Instrument :

MSVOA_L

ClientSampleId :

CD131DL

Tgt Ion: 41 Resp: 3542

Ion Ratio Lower Upper

41 100

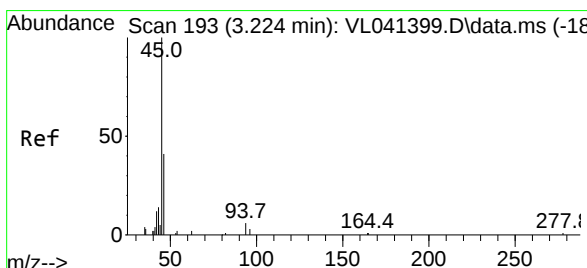
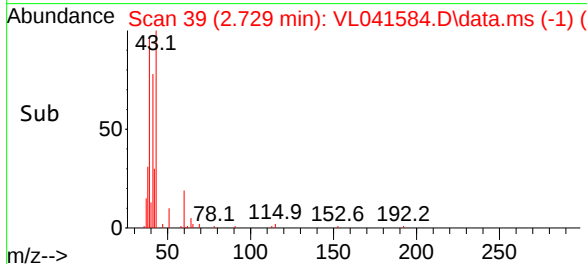
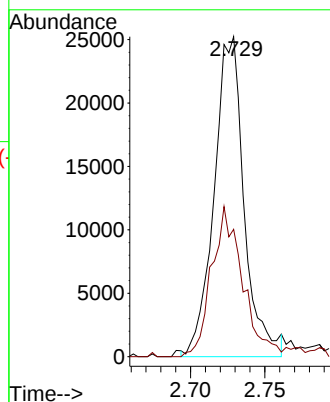
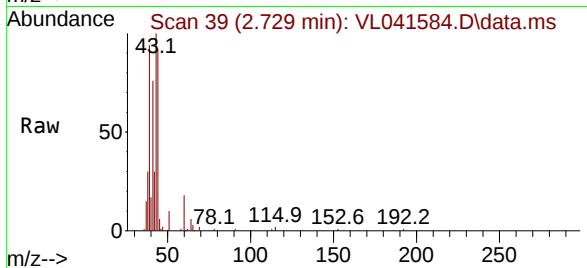
42 116.7 55.9 83.9

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#13

Ethanol

Concen: 55.736 ppbv

RT: 3.253 min Scan# 202

Delta R.T. -0.010 min

Lab File: VL041584.D

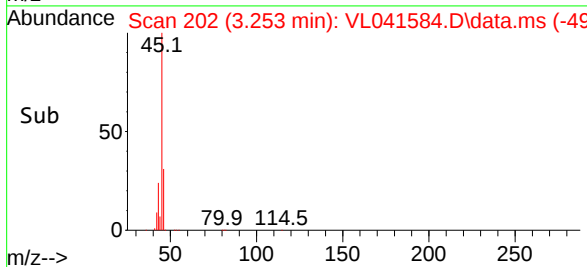
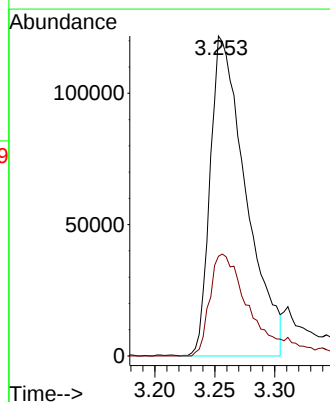
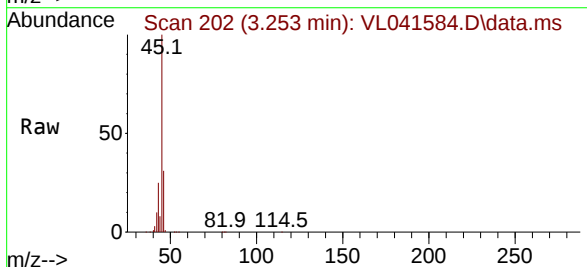
Acq: 22 Aug 2024 12:53

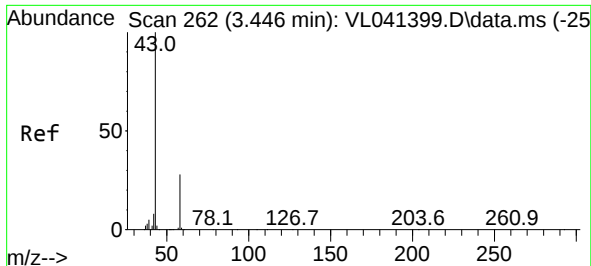
Tgt Ion: 45 Resp: 252319

Ion Ratio Lower Upper

45 100

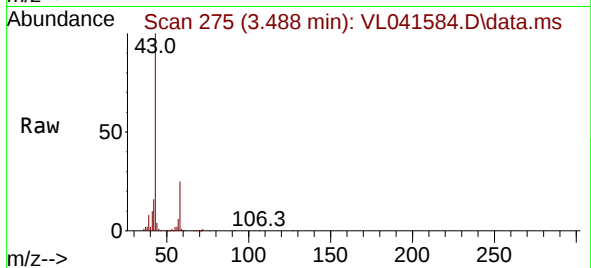
46 40.2 13.4 53.4





#15
Acetone
Concen: 3.149 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

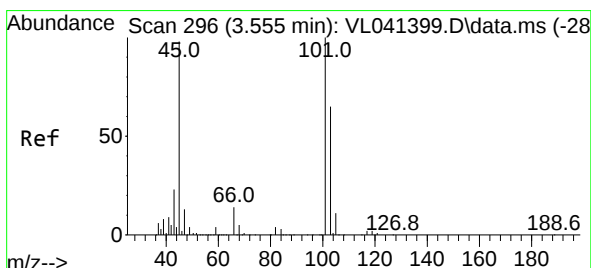
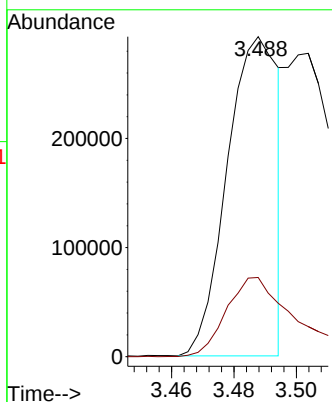
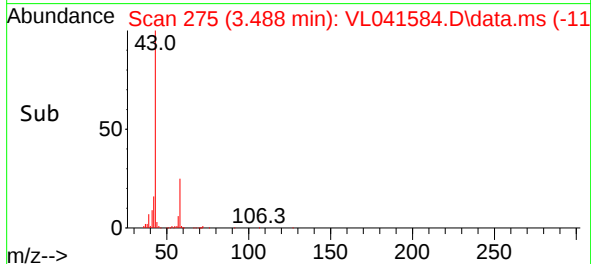
Instrument :
MSVOA_L
ClientSampleId :
CD131DL



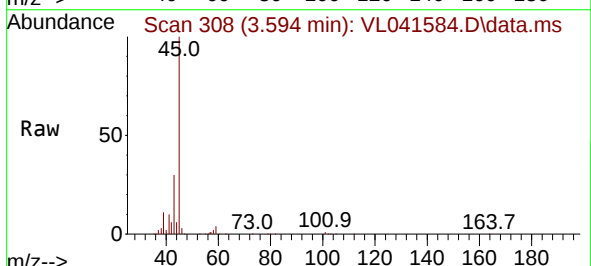
Tgt Ion: 43 Resp: 331417
Ion Ratio Lower Upper
43 100
58 38.4 21.4 32.2

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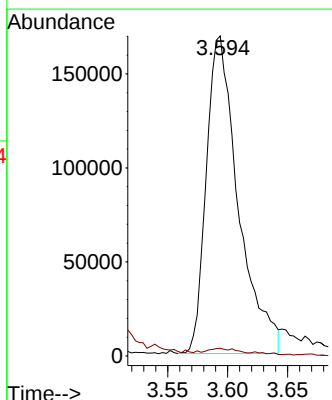
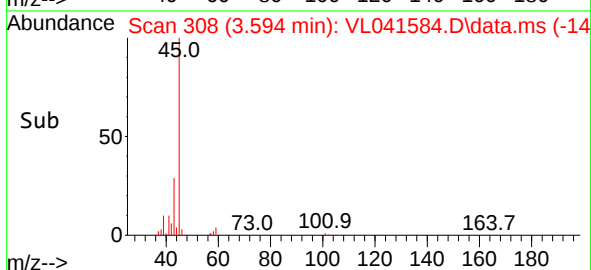
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

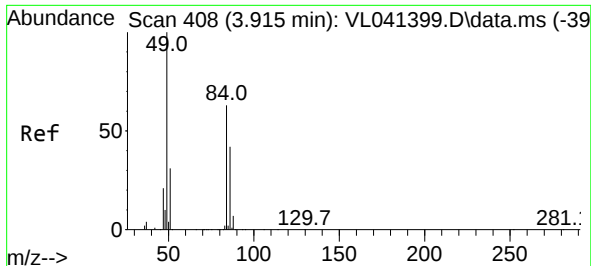


#19
Isopropyl Alcohol
Concen: 5.102 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.010 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53



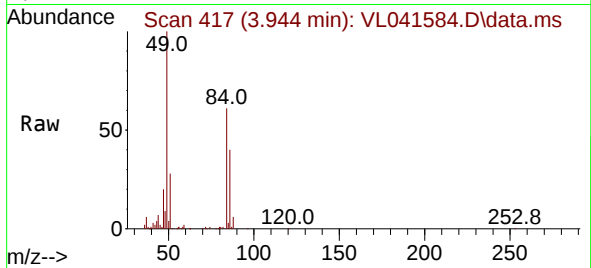
Tgt Ion: 45 Resp: 313865
Ion Ratio Lower Upper
45 100
58 3.2 1.9 2.9





#20
Methylene Chloride
Concen: 1.684 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.007 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

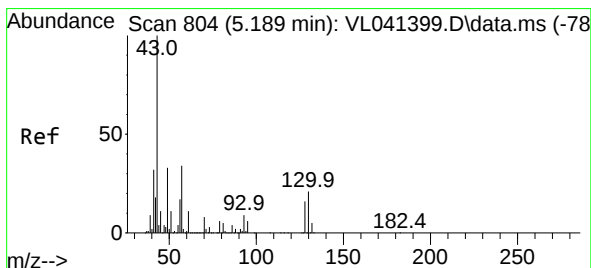
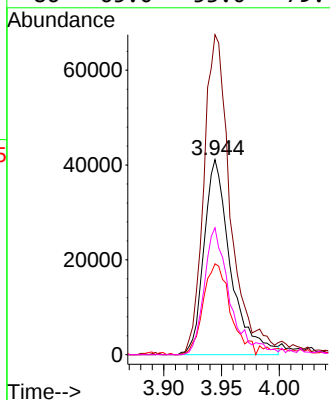
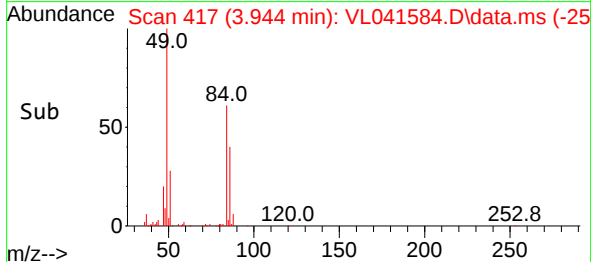
Instrument :
MSVOA_L
ClientSampleId :
CD131DL



Tgt Ion: 84 Resp: 66083
Ion Ratio Lower Upper
84 100
49 164.0 126.6 190.0
51 46.6 38.6 58.0
86 65.0 53.0 79.4

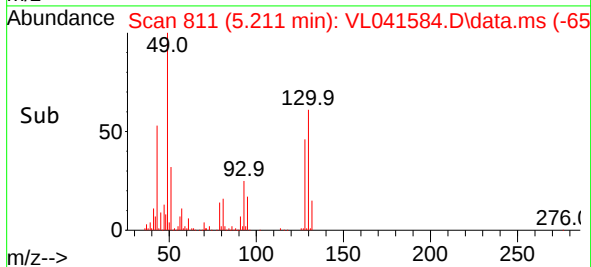
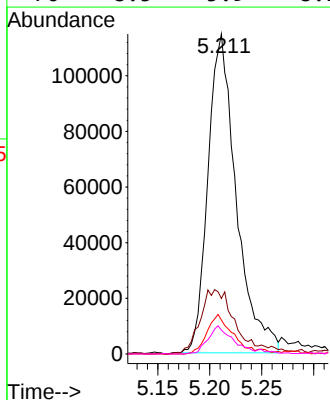
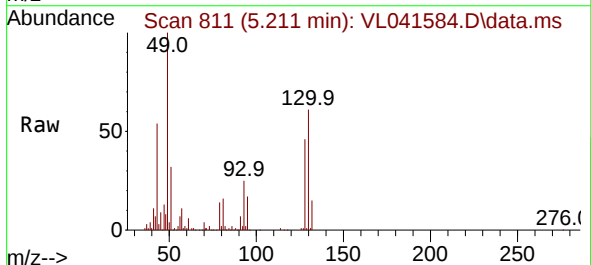
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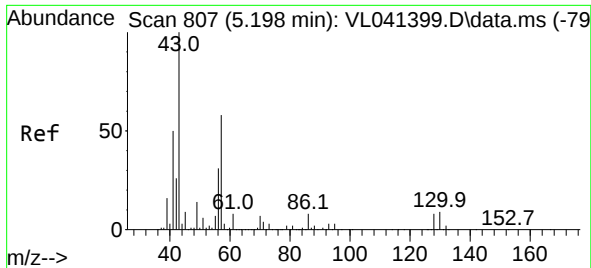
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#25
Ethyl Acetate
Concen: 1.041 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

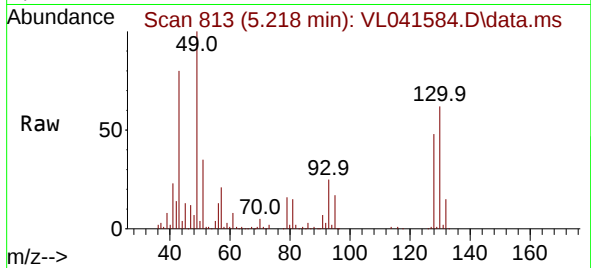
Tgt Ion: 43 Resp: 217669
Ion Ratio Lower Upper
43 100
45 26.1 8.5 12.7#
61 12.3 8.0 12.0#
70 8.5 5.9 8.9





#26
Hexane
Concen: 0.494 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

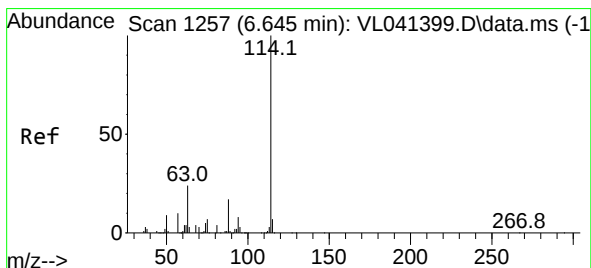
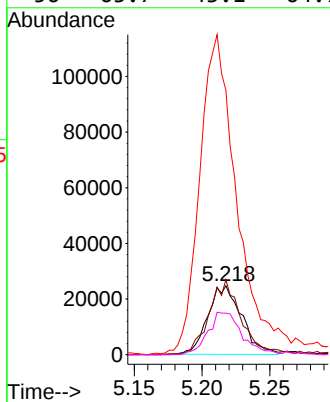
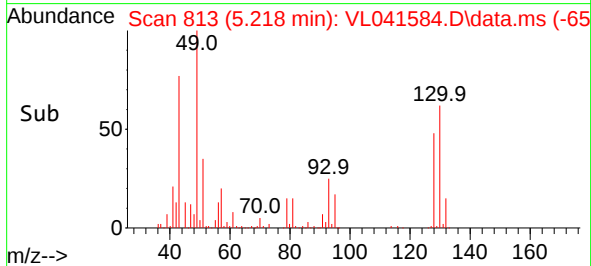
Instrument :
MSVOA_L
ClientSampleId :
CD131DL



Tgt Ion: 57 Resp: 4283
Ion Ratio Lower Upper
57 100
41 105.2 74.0 111.0
43 537.3 193.6 290.4
56 63.7 43.1 64.7

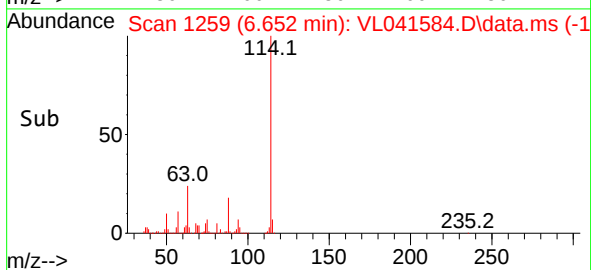
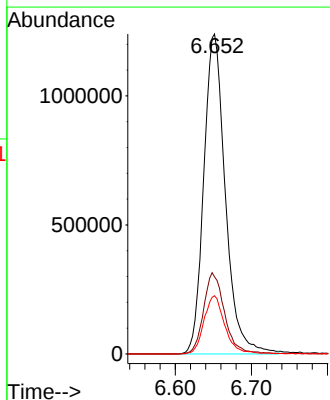
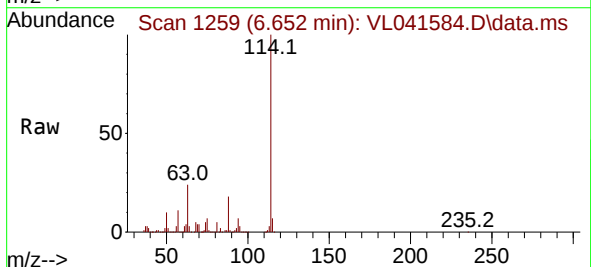
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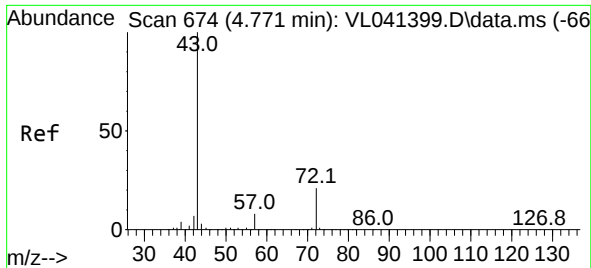
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

Tgt Ion:114 Resp: 2447644
Ion Ratio Lower Upper
114 100
63 25.0 20.3 30.5
88 17.7 14.3 21.5





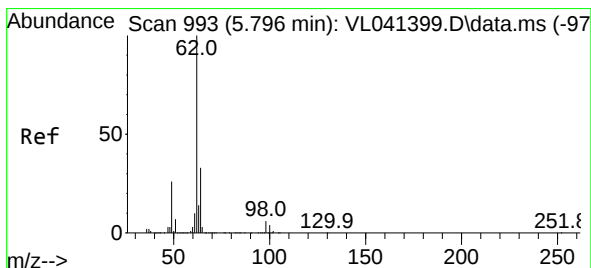
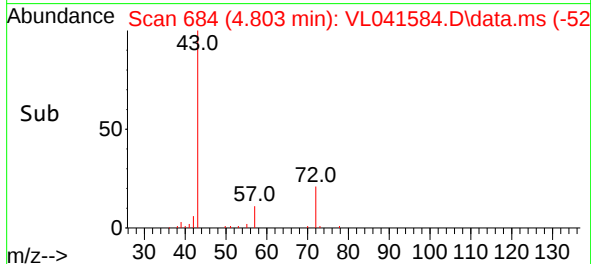
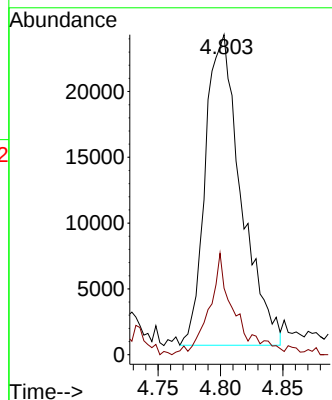
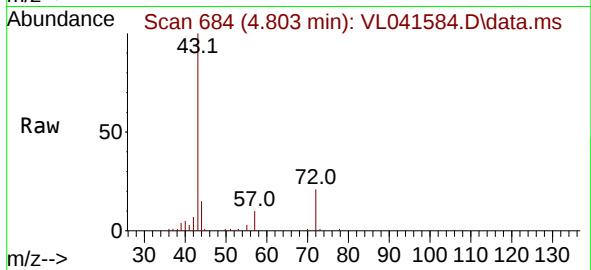
#34
2-Butanone
Concen: 0.398 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

Instrument :
MSVOA_L
ClientSampleId :
CD131DL

Tgt Ion: 43 Resp: 4710
Ion Ratio Lower Upper
43 100
72 24.8 17.3 25.9

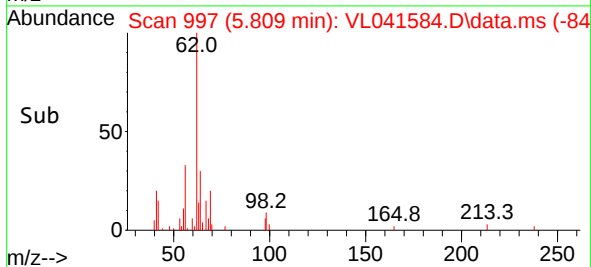
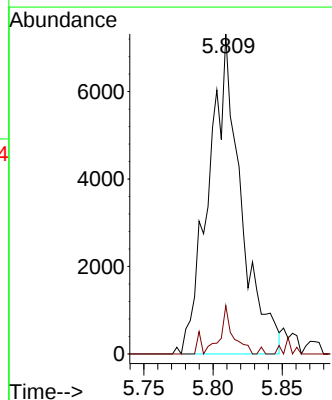
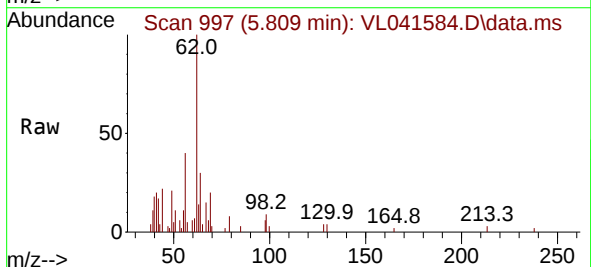
Manual Integrations
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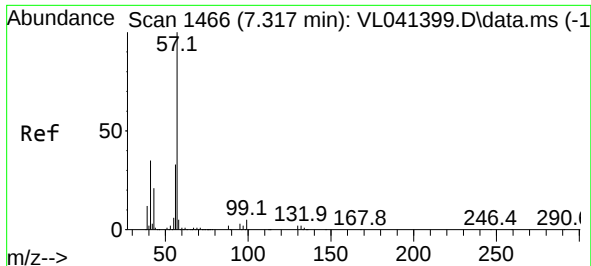
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#37
1,2-Dichloroethane
Concen: 0.119 ppbv m
RT: 5.809 min Scan# 997
Delta R.T. 0.003 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

Tgt Ion: 62 Resp: 11879
Ion Ratio Lower Upper
62 100
98 7.0 5.0 7.4





#44

2,2,4-Trimethylpentane

Concen: 0.363 ppbv

RT: 7.327 min Scan# 1466

Delta R.T. 0.007 min

Lab File: VL041584.D

Acq: 22 Aug 2024 12:53

Instrument :

MSVOA_L

ClientSampleId :

CD131DL

Tgt Ion: 57 Resp: 108510

Ion Ratio Lower Upper

57 100

41 43.8 27.0 40.6

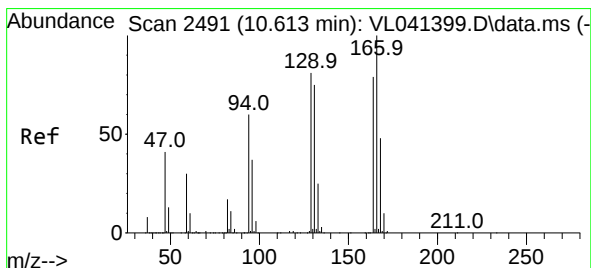
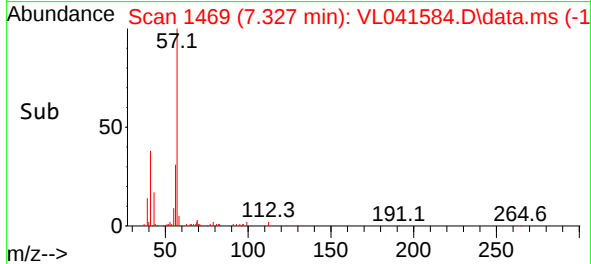
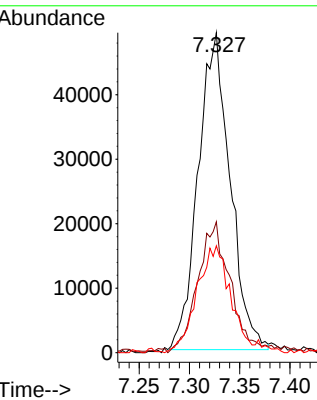
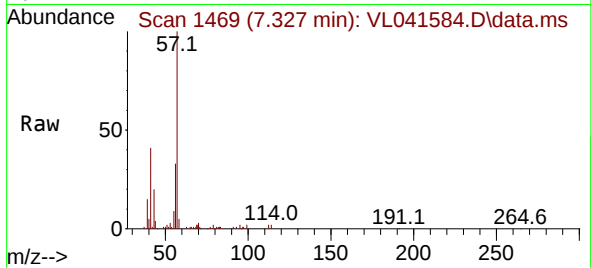
56 37.1 25.2 37.8

Manual Integrations

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Supervised By :Mahesh Dadoda 08/23/2024



#52

Tetrachloroethene

Concen: 0.138 ppbv m

RT: 10.610 min Scan# 2490

Delta R.T. 0.003 min

Lab File: VL041584.D

Acq: 22 Aug 2024 12:53

Tgt Ion:164 Resp: 9510

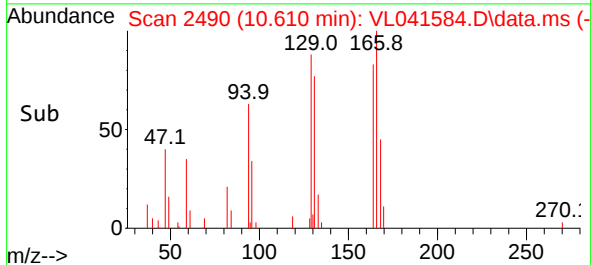
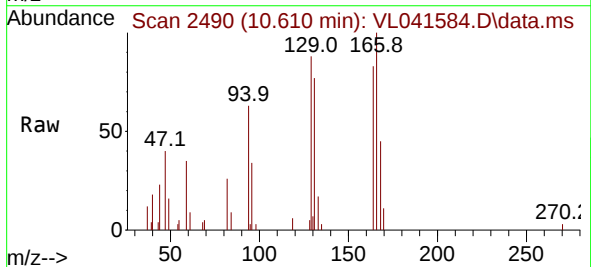
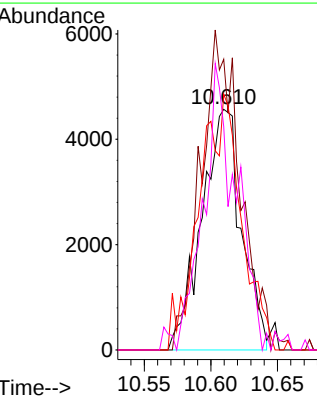
Ion Ratio Lower Upper

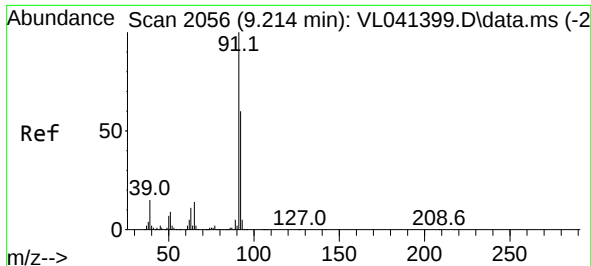
164 100

166 120.8 101.1 151.7

129 106.3 81.7 122.5

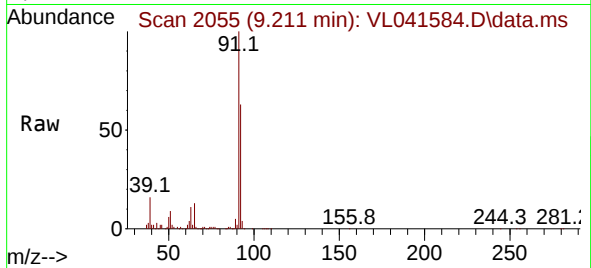
131 92.8 76.2 114.4





#53
Toluene
Concen: 4.518 ppbv
RT: 9.211 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

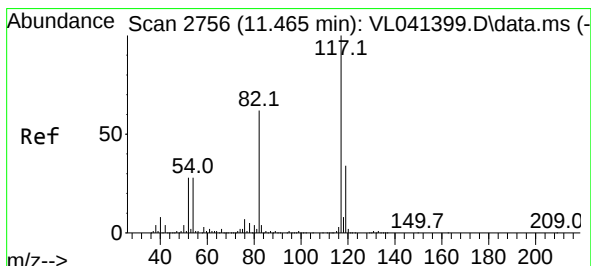
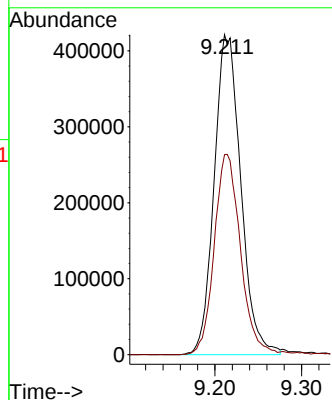
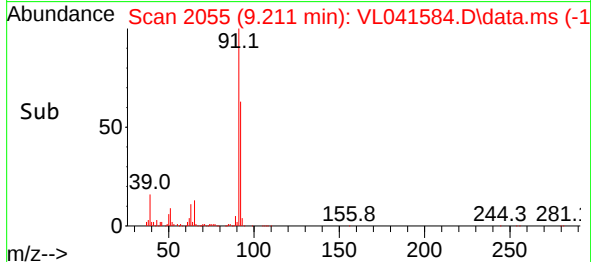
Instrument :
MSVOA_L
ClientSampleId :
CD131DL



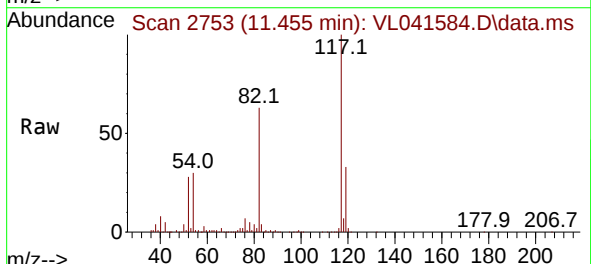
Tgt Ion: 91 Resp: 899950
Ion Ratio Lower Upper
91 100
92 62.5 48.7 73.1

Manual Integrations
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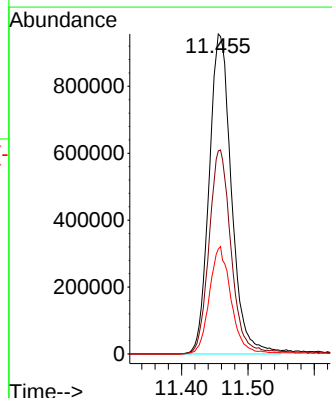
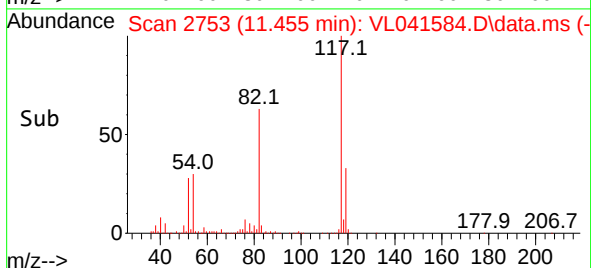
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

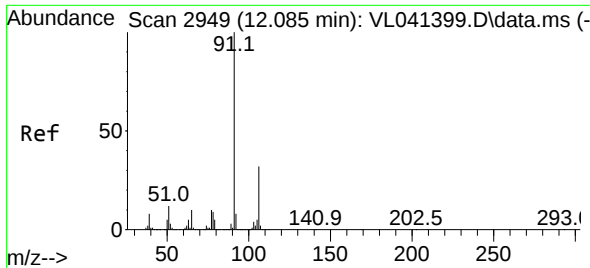


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.000 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53



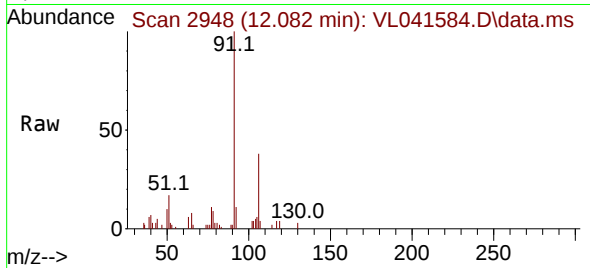
Tgt Ion:117 Resp: 2237155
Ion Ratio Lower Upper
117 100
82 64.3 51.0 76.6
119 33.0 45.2 67.8#





#58
Ethyl Benzene
Concen: 0.112 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. 0.007 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

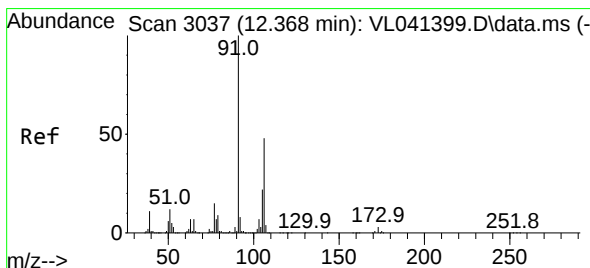
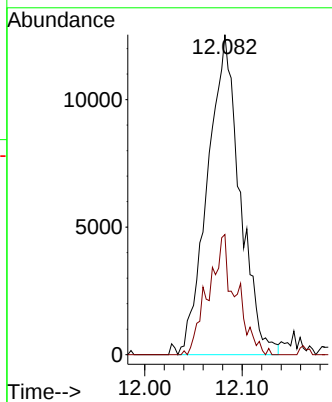
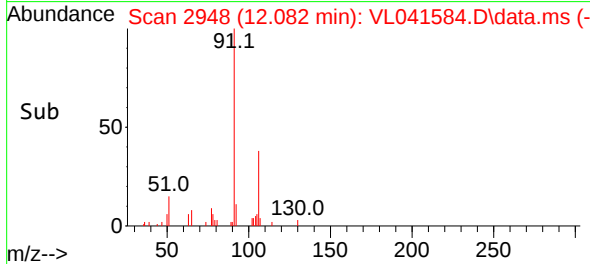
Instrument :
MSVOA_L
ClientSampleId :
CD131DL



Tgt Ion: 91 Resp: 28924
Ion Ratio Lower Upper
91 100
106 37.5 25.8 38.8

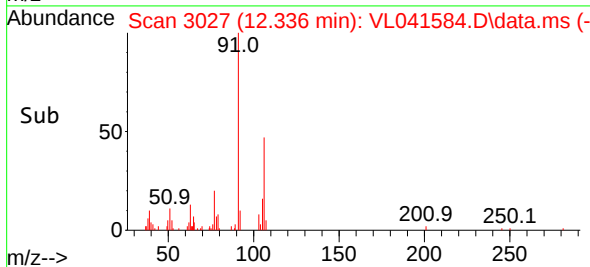
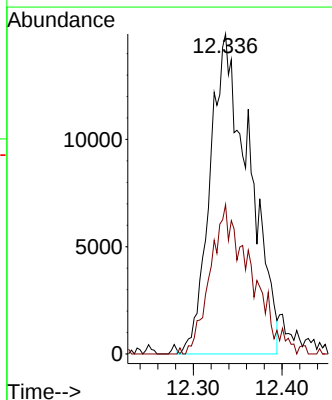
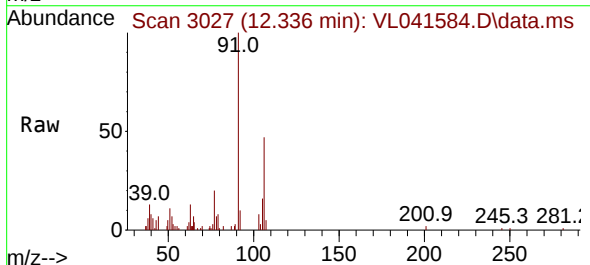
Manual Integrations
APPROVED

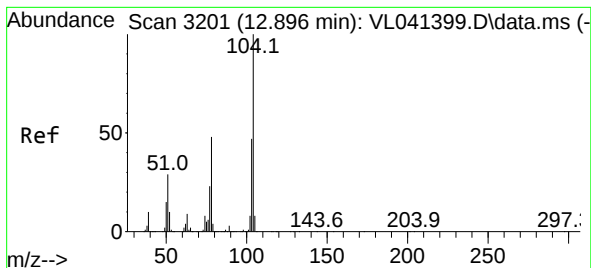
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#59
m/p-Xylene
Concen: 0.206 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.022 min
Lab File: VL041584.D
Acq: 22 Aug 2024 12:53

Tgt Ion: 91 Resp: 45770
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5#





#61

Styrene

Concen: 0.205 ppbv m

RT: 12.889 min Scan# 3199

Delta R.T. 0.007 min

Lab File: VL041584.D

Acq: 22 Aug 2024 12:53

Instrument :

MSVOA_L

ClientSampleId :

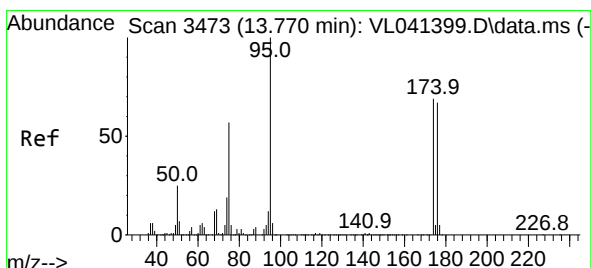
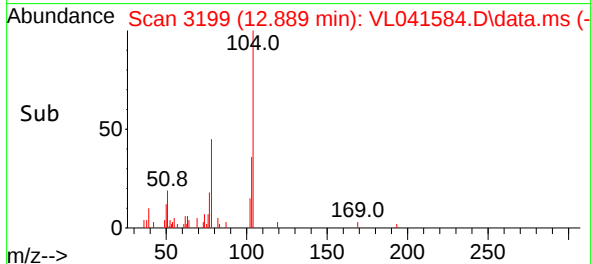
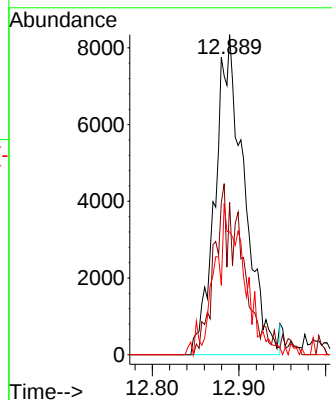
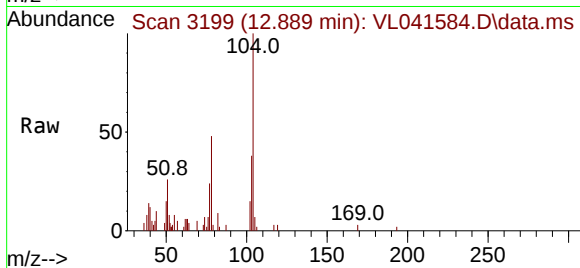
CD131DL

Tgt Ion:	104	Resp:	1943
Ion Ratio	Lower	Upper	
104	100		
78	53.3	40.8	61.2
103	49.0	38.2	57.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.805 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. 0.003 min

Lab File: VL041584.D

Acq: 22 Aug 2024 12:53

Tgt Ion:	95	Resp:	1688008
Ion Ratio	Lower	Upper	
95	100		
174	71.4	56.3	84.5
175	5.1	4.0	6.0

