

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041220.D
 Acq On : 6 May 2024 16:19
 Operator : SY/MD
 Sample : P2334-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-AA01-20240425

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 07 05:25:25 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue May 07 05:19:44 2024

Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		5.195	49	874368	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.655	114	2265298	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.468	117	2029451	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.777	95	1549778	10.115	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 101.200%	
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane		2.739	85	47855m	0.405	ppbv	
3) Chlorodifluoromethane		2.684	51	44152	0.332	ppbv	94
4) Chloromethane		2.819	50	32023	0.615	ppbv #	80
9) Propene		2.706	41	20632	0.397	ppbv	84
11) Trichlorofluoromethane		3.571	101	26853	0.223	ppbv	97
13) Ethanol		3.250	45	67875m	5.826	ppbv	
15) Acetone		3.475	43	445688	4.319	ppbv	98
20) Methylene Chloride		3.938	84	254182	7.083	ppbv	98
26) Hexane		5.214	57	283826	3.088	ppbv #	41
34) 2-Butanone		4.806	43	47527m	0.412	ppbv	
35) Carbon Tetrachloride		6.488	117	8385m	0.066	ppbv	
36) Benzene		6.375	78	22221m	0.117	ppbv	
52) Tetrachloroethene		10.616	164	2830m	0.042	ppbv	
53) Toluene		9.224	91	53345m	0.242	ppbv	
59) m/p-Xylene		12.346	91	27204m	0.116	ppbv	

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

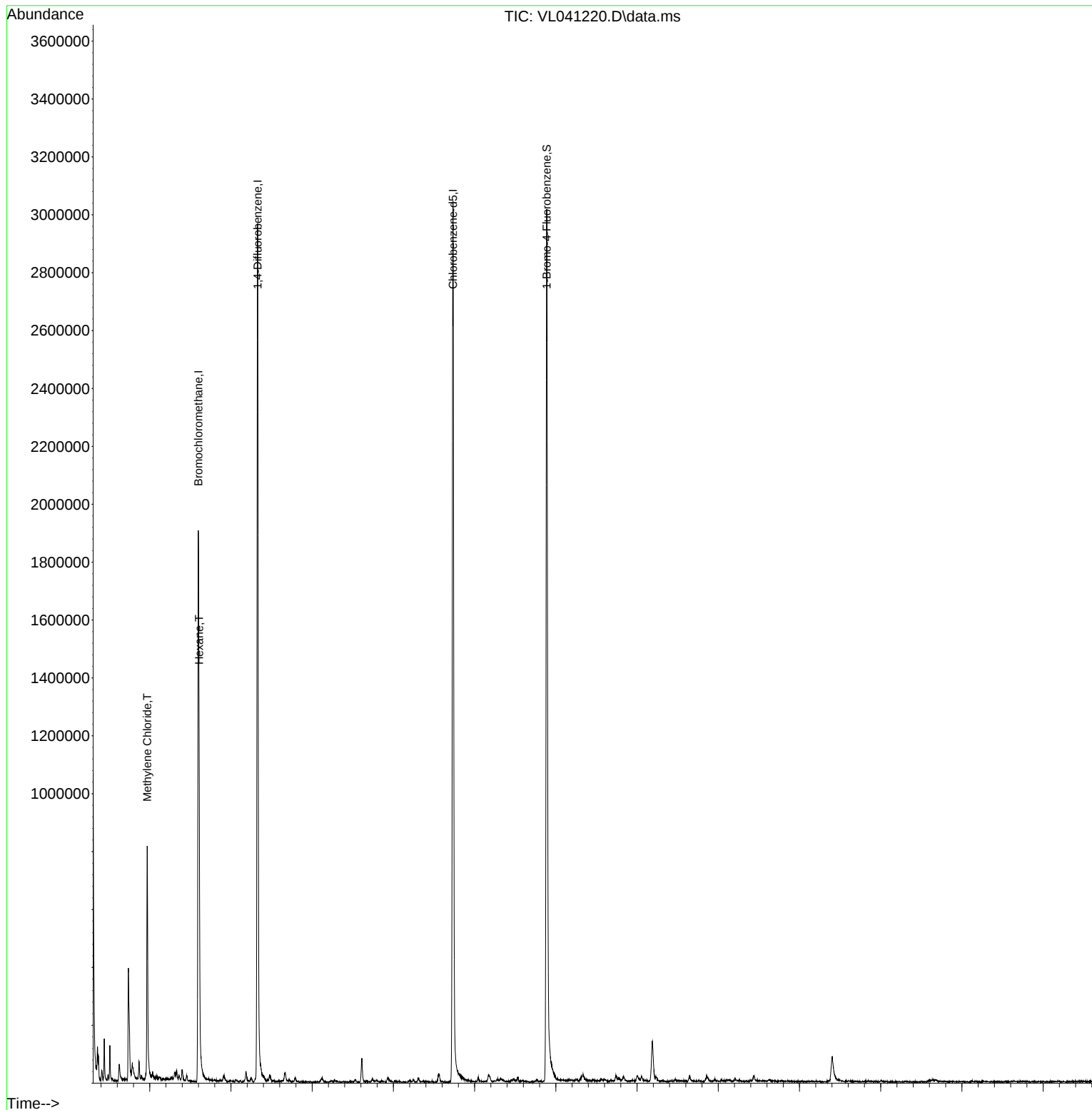
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
Data File : VL041220.D
Acq On : 6 May 2024 16:19
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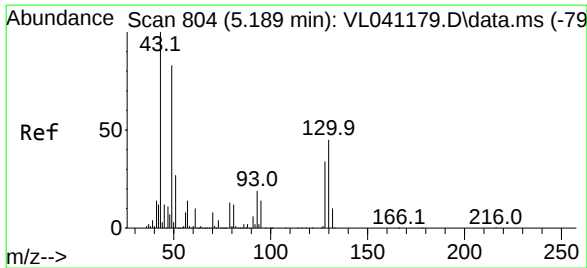
Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425

Quant Time: May 07 05:25:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue May 07 05:19:44 2024
Response via : Initial Calibration

Manual Integrations
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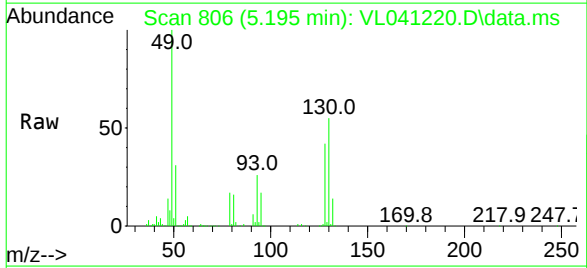
Reviewed By : Semsettin Yesilyurt 05/07/2024
Supervised By : Mahesh Dadoda 05/07/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

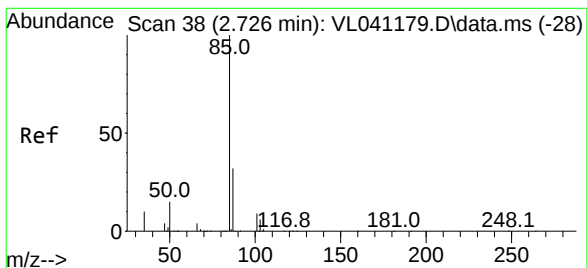
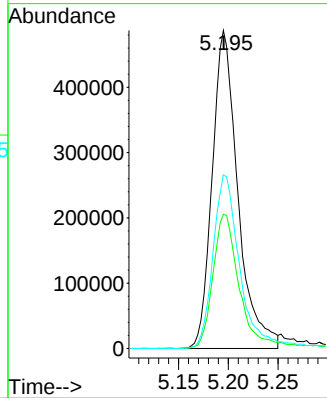
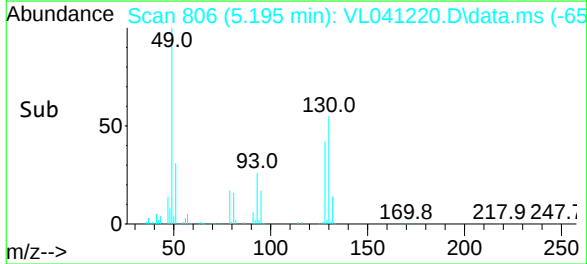
Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425



Tgt Ion: 49 Resp: 874368
Ion Ratio Lower Upper
49 100
128 44.6 21.5 64.5
130 58.3 27.2 81.6

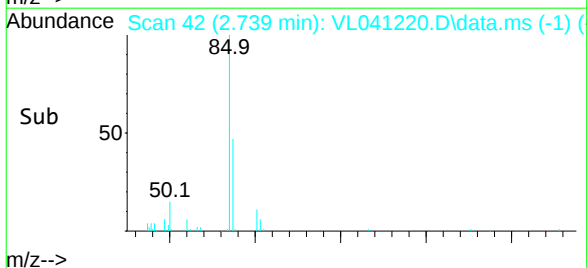
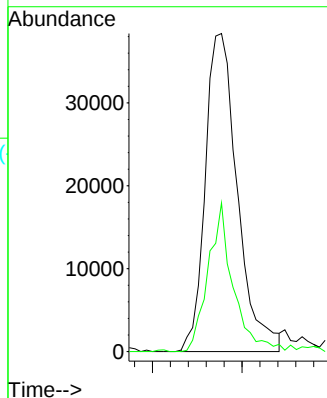
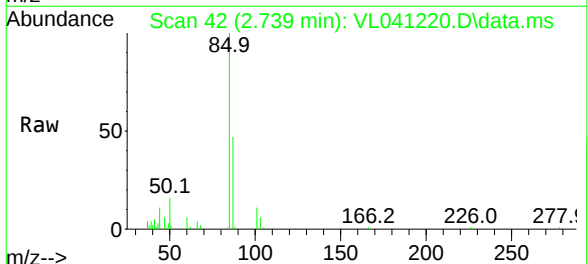
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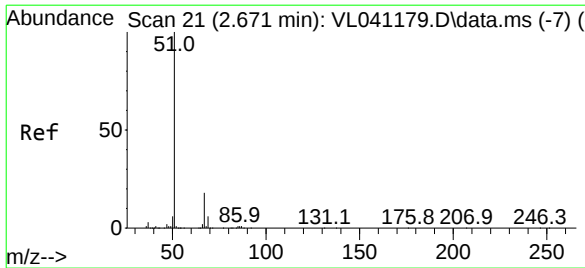
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.405 ppbv m
RT: 2.739 min Scan# 42
Delta R.T. 0.000 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

Tgt Ion: 85 Resp: 47855
Ion Ratio Lower Upper
85 100
87 46.7 25.7 38.5#





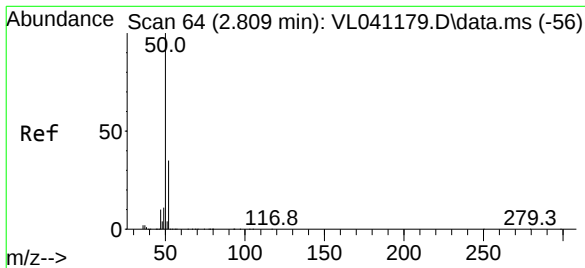
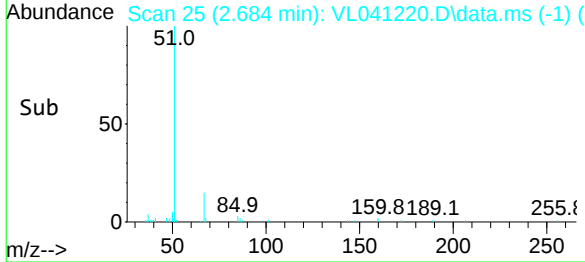
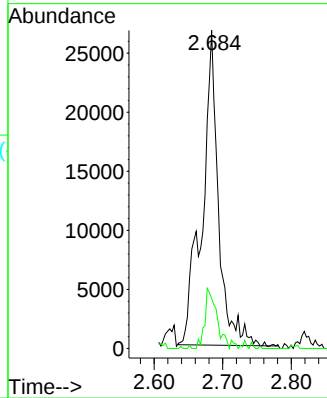
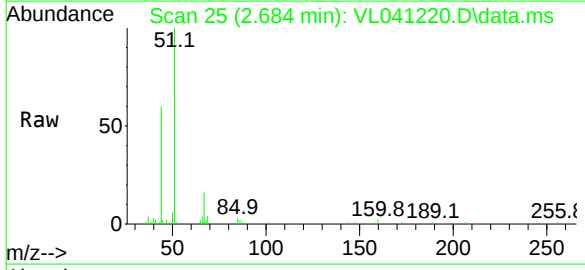
#3
Chlorodifluoromethane
Concen: 0.332 ppbv
RT: 2.684 min Scan# 25
Delta R.T. 0.000 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425

Tgt Ion: 51 Resp: 44152
Ion Ratio Lower Upper
51 100
67 14.8 14.0 21.0

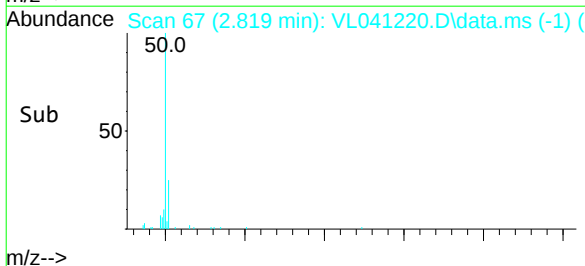
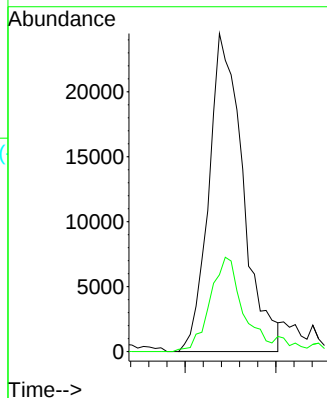
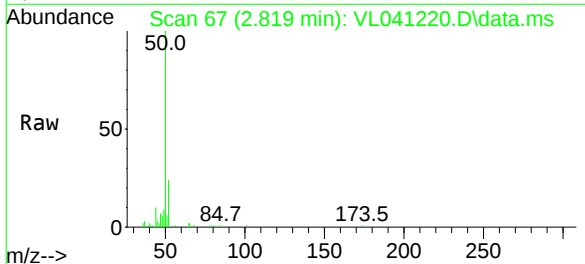
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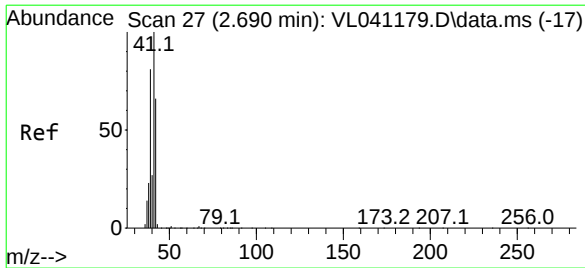
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#4
Chloromethane
Concen: 0.615 ppbv
RT: 2.819 min Scan# 67
Delta R.T. -0.003 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

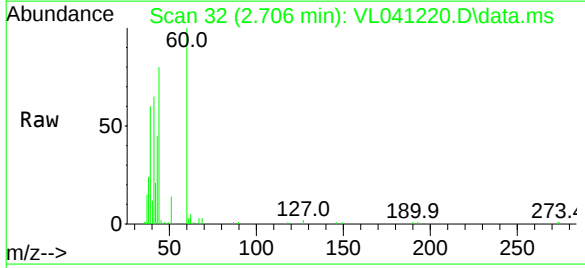
Tgt Ion: 50 Resp: 32023
Ion Ratio Lower Upper
50 100
52 23.4 28.3 42.5#





#9
Propene
Concen: 0.397 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.003 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

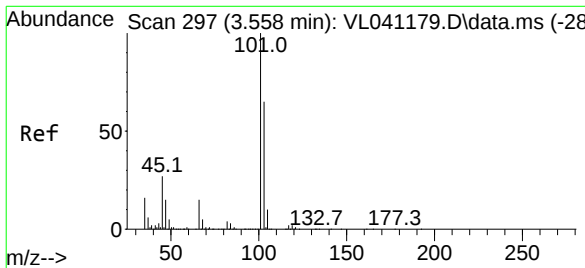
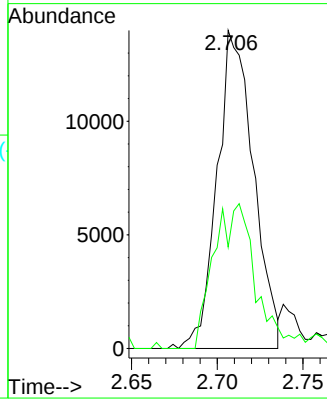
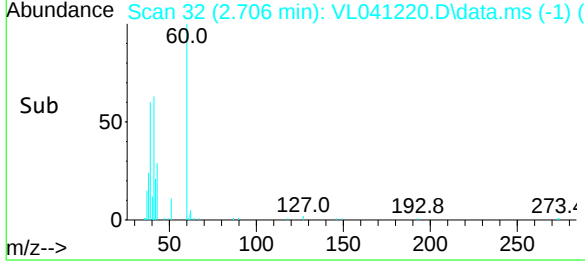
Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425



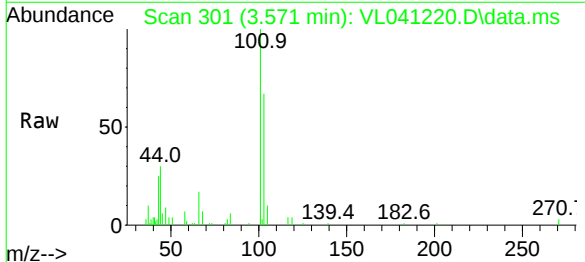
Tgt Ion: 41 Resp: 20632
Ion Ratio Lower Upper
41 100
42 56.1 55.3 82.9

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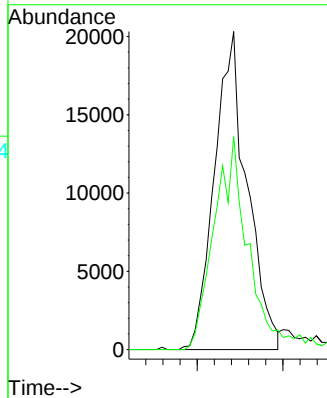
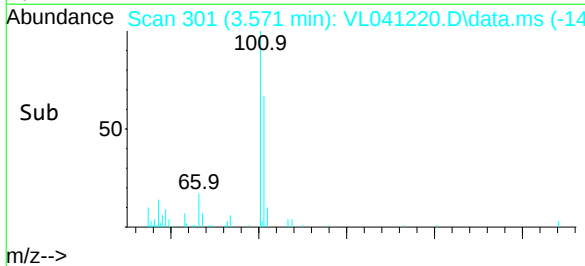
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

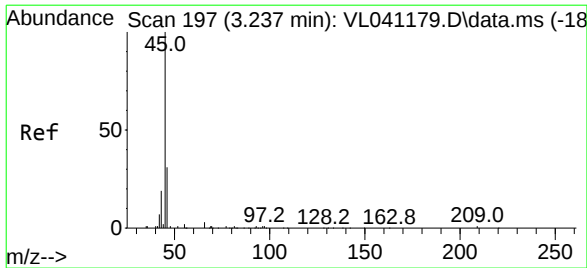


#11
Trichlorofluoromethane
Concen: 0.223 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.003 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19



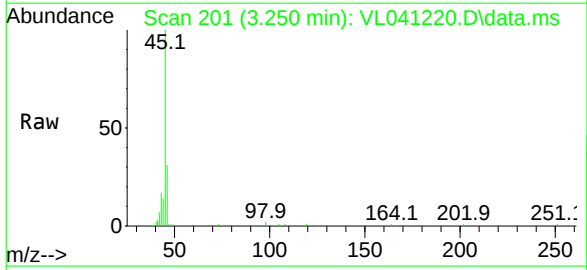
Tgt Ion:101 Resp: 26853
Ion Ratio Lower Upper
101 100
103 67.0 51.6 77.4





#13
Ethanol
Concen: 5.826 ppbv m
RT: 3.250 min Scan# 20
Delta R.T. 0.007 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

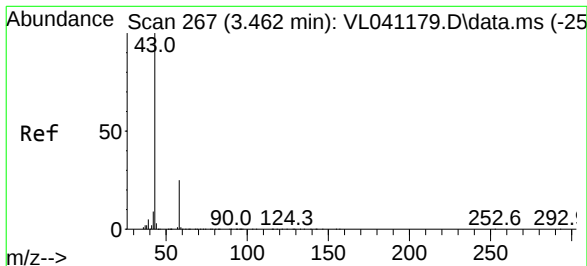
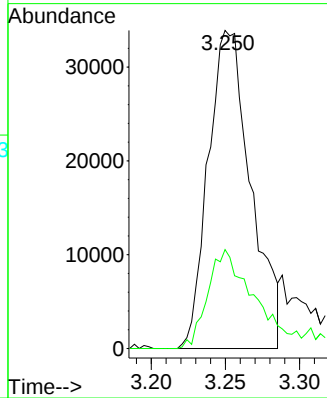
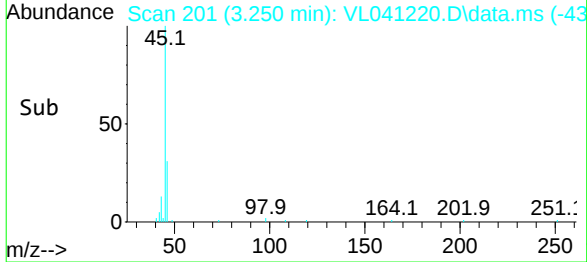
Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425



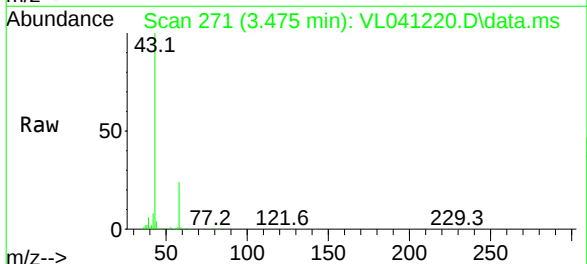
Tgt Ion: 45 Resp: 67875
Ion Ratio Lower Upper
45 100
46 37.1 14.8 59.0

Manual Integrations
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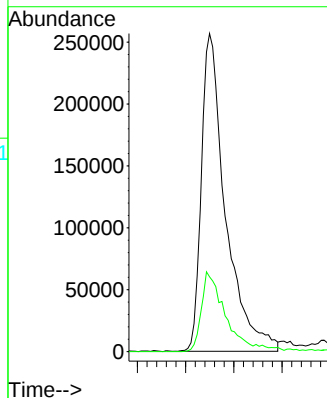
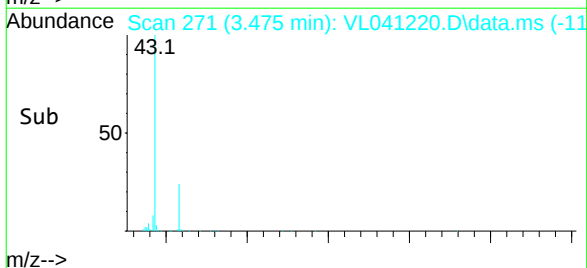
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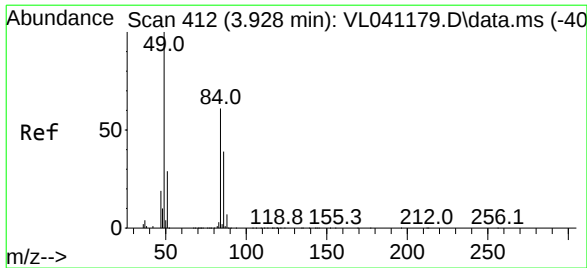


#15
Acetone
Concen: 4.319 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.000 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19



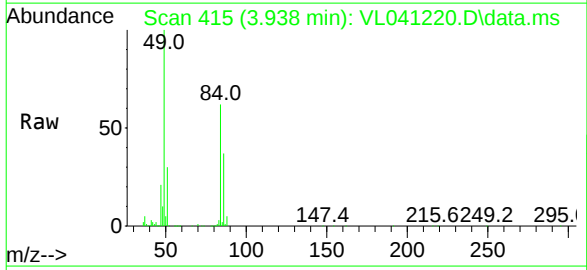
Tgt Ion: 43 Resp: 445688
Ion Ratio Lower Upper
43 100
58 25.7 21.4 32.0





#20
Methylene Chloride
Concen: 7.083 ppbv
RT: 3.938 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

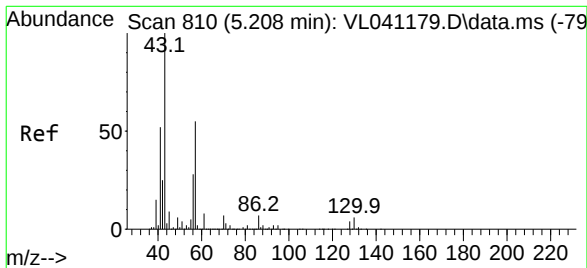
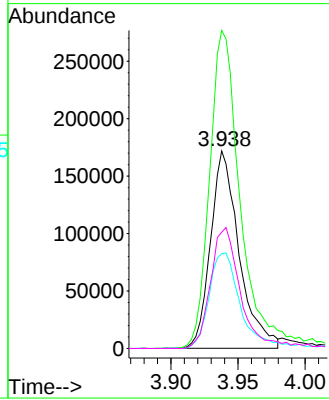
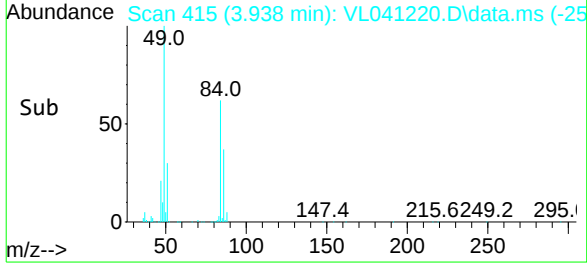
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ClientSampleId :
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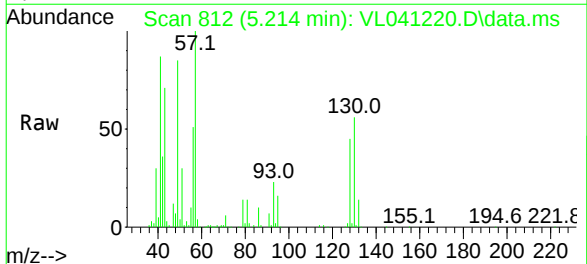
Tgt Ion:	84	Resp:	254182
Ion	Ratio	Lower	Upper
84	100		
49	160.9	130.4	195.6
51	48.0	38.0	57.0
86	58.9	50.3	75.5

Manual Integrations
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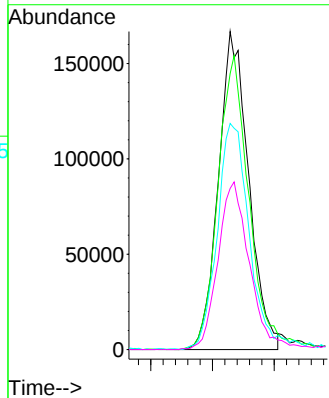
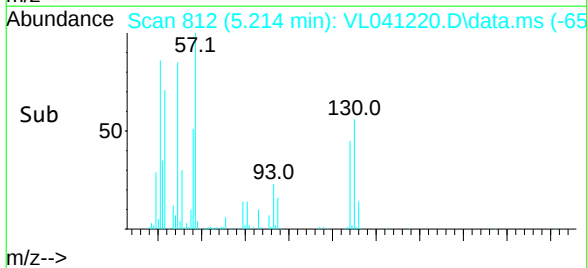
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

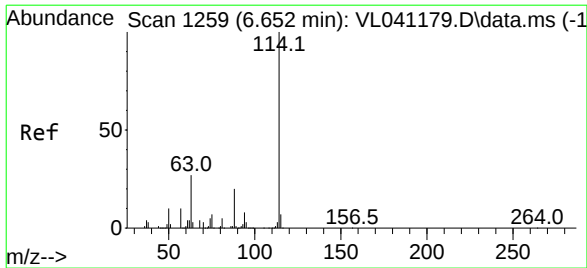


#26
Hexane
Concen: 3.088 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.000 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19



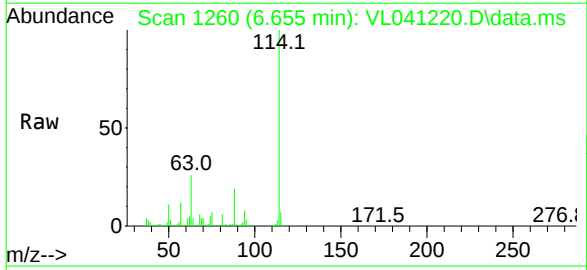
Tgt Ion:	57	Resp:	283826
Ion	Ratio	Lower	Upper
57	100		
41	96.6	75.8	113.8
43	76.5	187.0	280.4#
56	56.0	42.7	64.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

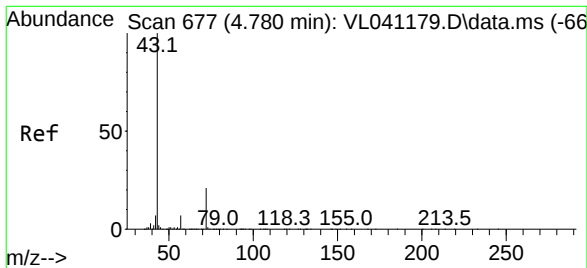
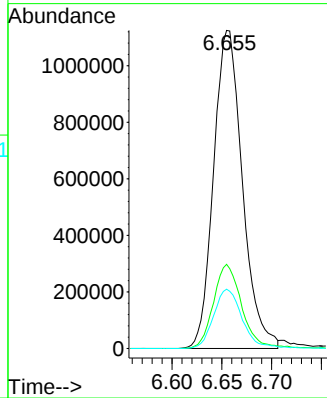
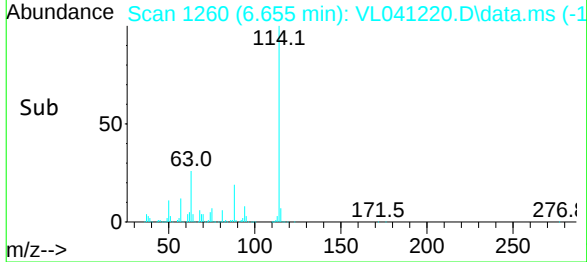
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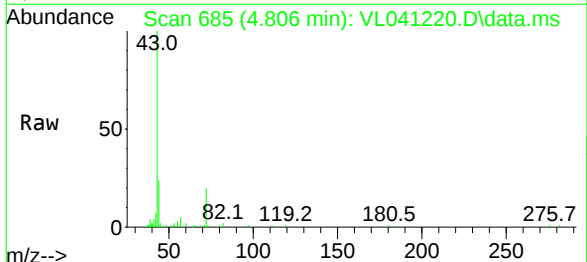
Tgt Ion:114 Resp: 2265298
Ion Ratio Lower Upper
114 100
63 26.3 21.8 32.6
88 18.7 15.2 22.8

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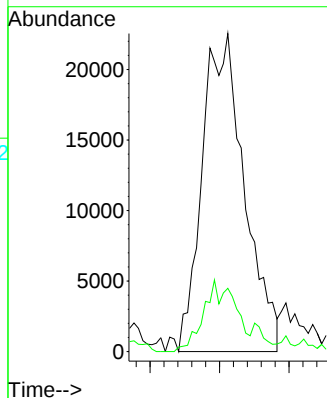
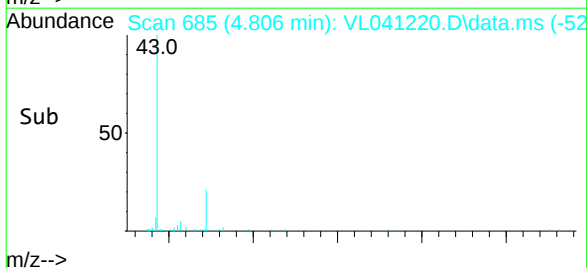
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

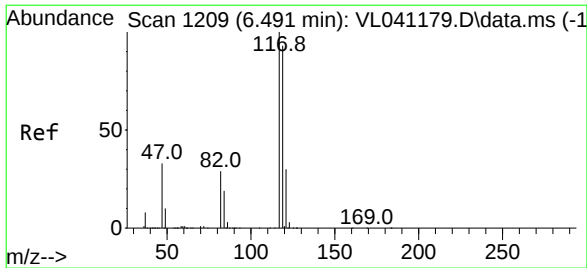


#34
2-Butanone
Concen: 0.412 ppbv m
RT: 4.806 min Scan# 685
Delta R.T. 0.019 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19



Tgt Ion: 43 Resp: 47527
Ion Ratio Lower Upper
43 100
72 23.3 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.066 ppbv m

RT: 6.488 min Scan# 12

Delta R.T. -0.006 min

Lab File: VL041220.D

Acq: 6 May 2024 16:19

Instrument :

MSVOA_L

ClientSampleId :

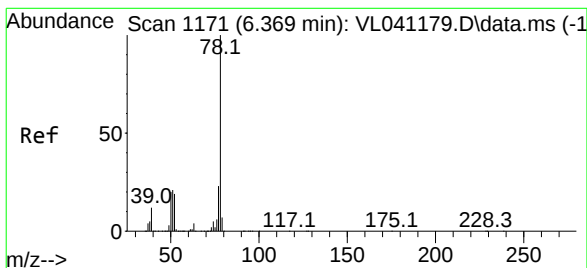
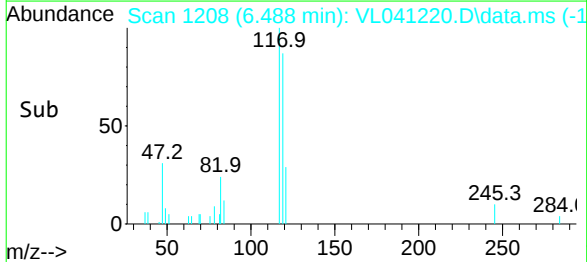
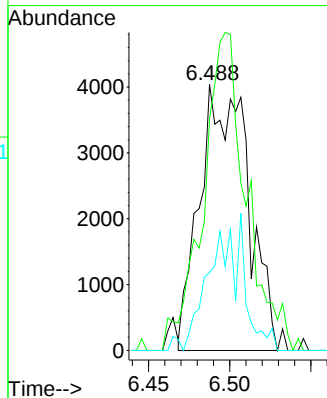
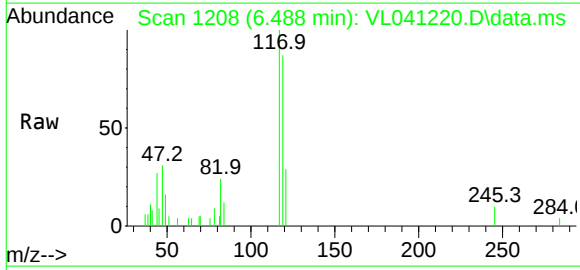
BA-20-AA01-20240425

Tgt Ion:	117	Resp:	8385
Ion	Ratio	Lower	Upper
117	100		
119	87.1	74.3	111.5
121	29.3	23.8	35.8

Manual Integrations

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#36

Benzene

Concen: 0.117 ppbv m

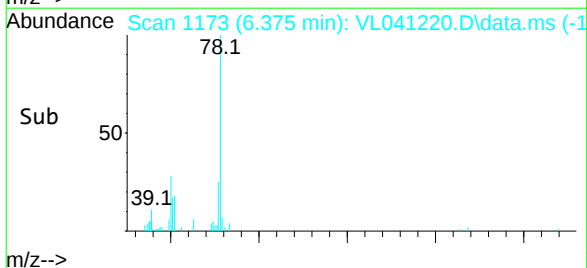
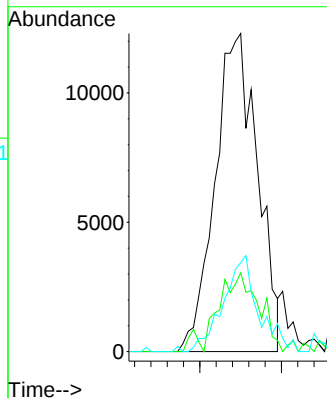
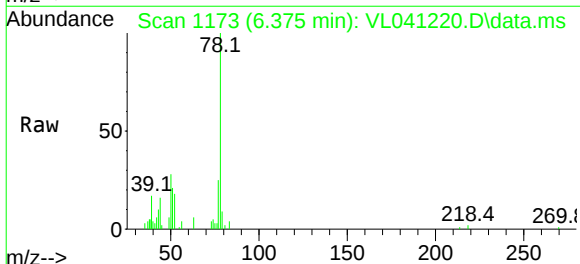
RT: 6.375 min Scan# 1173

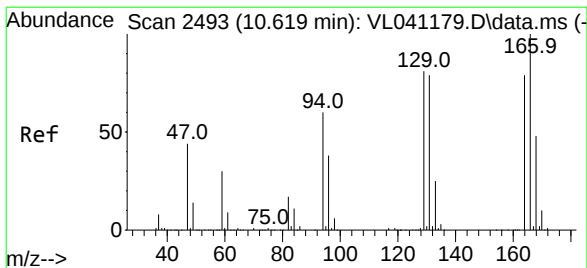
Delta R.T. 0.003 min

Lab File: VL041220.D

Acq: 6 May 2024 16:19

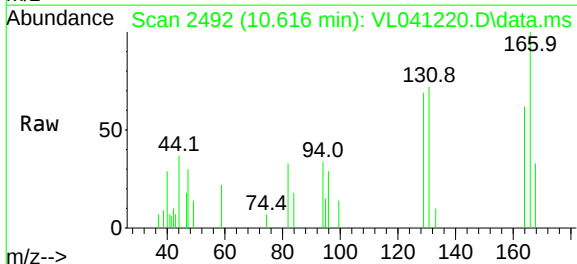
Tgt Ion:	78	Resp:	22221
Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.3	27.5
50	28.0	15.9	23.9





#52
Tetrachloroethene
Concen: 0.042 ppbv m
RT: 10.616 min Scan# 2493
Delta R.T. 0.003 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

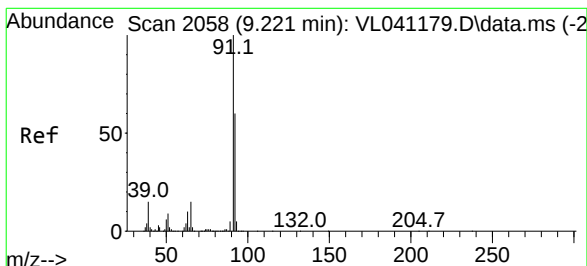
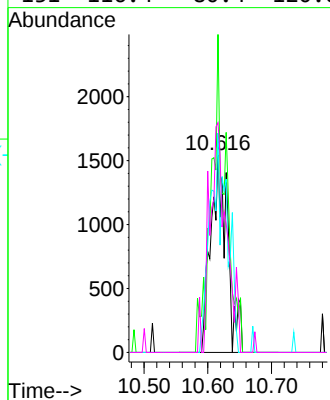
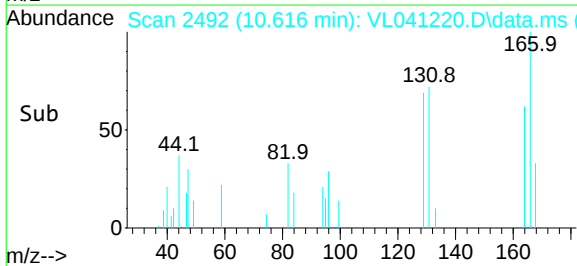
Instrument : MSVOA_L
ClientSampleId : BA-20-AA01-20240425



Tgt Ion: 164 Resp: 2830
Ion Ratio Lower Upper
164 100
166 161.1 101.1 151.7#
129 111.1 81.7 122.5
131 116.4 80.4 120.6

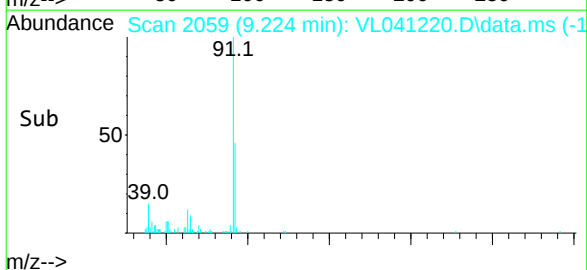
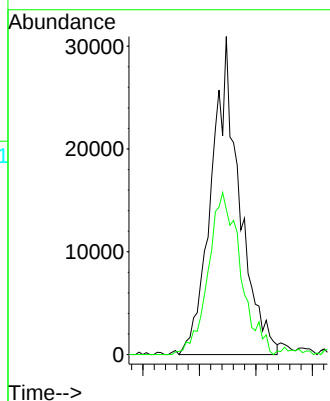
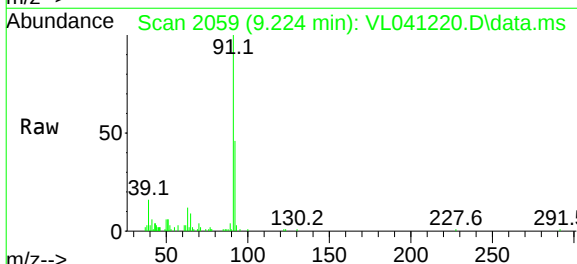
Manual Integrations
APPROVED

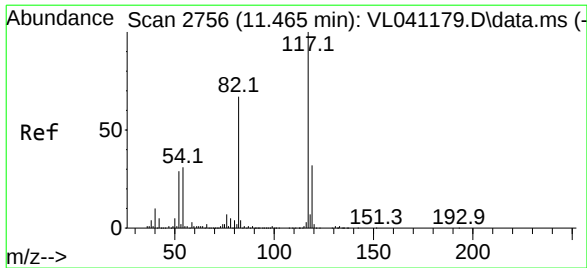
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#53
Toluene
Concen: 0.242 ppbv m
RT: 9.224 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL041220.D
Acq: 6 May 2024 16:19

Tgt Ion: 91 Resp: 53345
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 27

Delta R.T. 0.003 min

Lab File: VL041220.D

Acq: 6 May 2024 16:19

Instrument :

MSVOA_L

ClientSampleId :

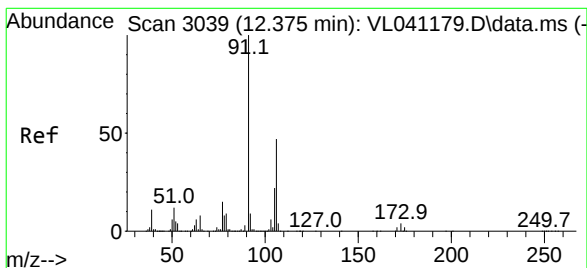
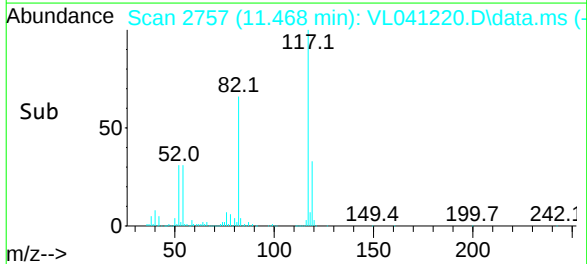
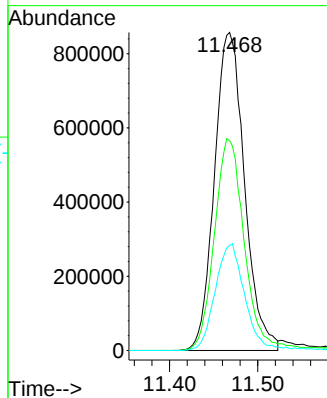
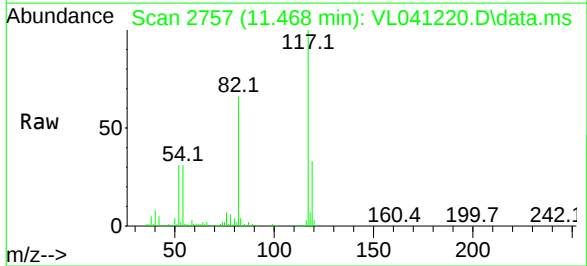
BA-20-AA01-20240425

Tgt Ion:	117	Resp:	2029451
Ion	Ratio	Lower	Upper
117	100		
82	68.2	53.6	80.4
119	33.7	27.2	40.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#59

m/p-Xylene

Concen: 0.116 ppbv m

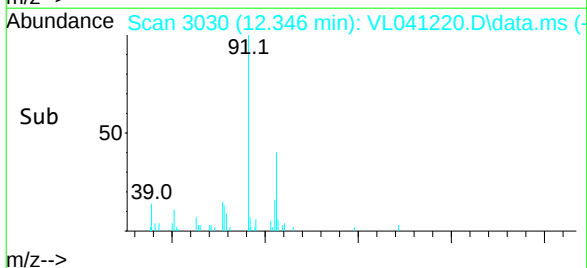
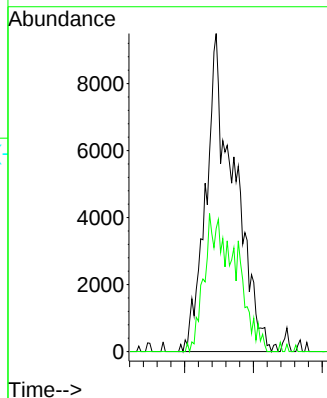
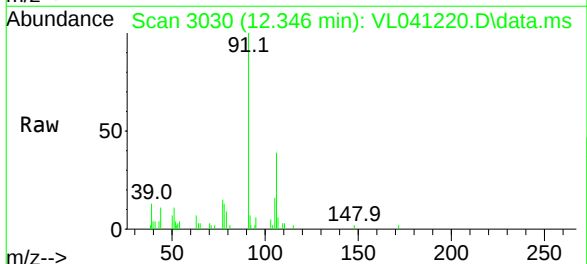
RT: 12.346 min Scan# 3030

Delta R.T. -0.022 min

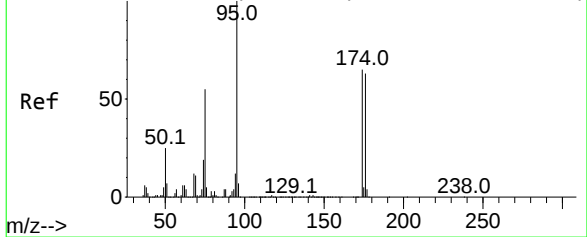
Lab File: VL041220.D

Acq: 6 May 2024 16:19

Tgt Ion:	91	Resp:	27204
Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.7	53.5#



Abundance Scan 3475 (13.777 min): VL041179.D\data.ms (-



#68

1-Bromo-4-Fluorobenzene

Concen: 10.115 ppbv

RT: 13.777 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL041220.D

Acq: 6 May 2024 16:19

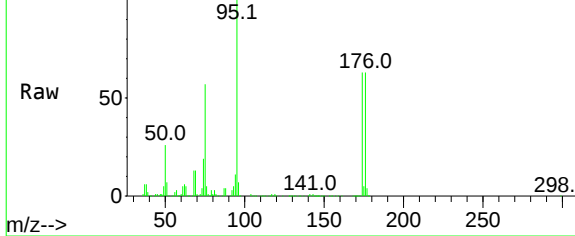
Instrument :

MSVOA_L

ClientSampleId :

BA-20-AA01-20240425

Abundance Scan 3475 (13.777 min): VL041220.D\data.ms



Tgt Ion: 95 Resp: 1549778

Ion Ratio Lower Upper

95 100

174 67.5 53.6 80.4

175 5.0 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024

Abundance Scan 3475 (13.777 min): VL041220.D\data.ms (-

