

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041207.D
 Acq On : 2 May 2024 22:47
 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 05/06/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 03 03:45:48 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 : Fri May 03 03:34:47 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	825428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2131404	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	1946949	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1467888 9.987 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	47802	0.428	ppbv	100
3) Chlorodifluoromethane	2.681	51	36821	0.294	ppbv	94
4) Chloromethane	2.819	50	30695	0.624	ppbv #	86
9) Propene	2.706	41	22244	0.453	ppbv #	81
11) Trichlorofluoromethane	3.565	101	27568	0.243	ppbv #	80
13) Ethanol	3.253	45	49191m	4.473	ppbv	
15) Acetone	3.475	43	332828	3.417	ppbv	97
19) Isopropyl Alcohol	3.591	45	36058m	0.564	ppbv	
20) Methylene Chloride	3.931	84	74545	2.201	ppbv	98
26) Hexane	5.214	57	74371	0.857	ppbv #	45
34) 2-Butanone	4.793	43	48724m	0.449	ppbv	
35) Carbon Tetrachloride	6.491	117	7216m	0.060	ppbv	
36) Benzene	6.375	78	22326m	0.125	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	29488m	0.096	ppbv	
52) Tetrachloroethene	10.610	164	3097m	0.049	ppbv	
53) Toluene	9.211	91	54041m	0.261	ppbv	
59) m/p-Xylene	12.339	91	26823m	0.120	ppbv	

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

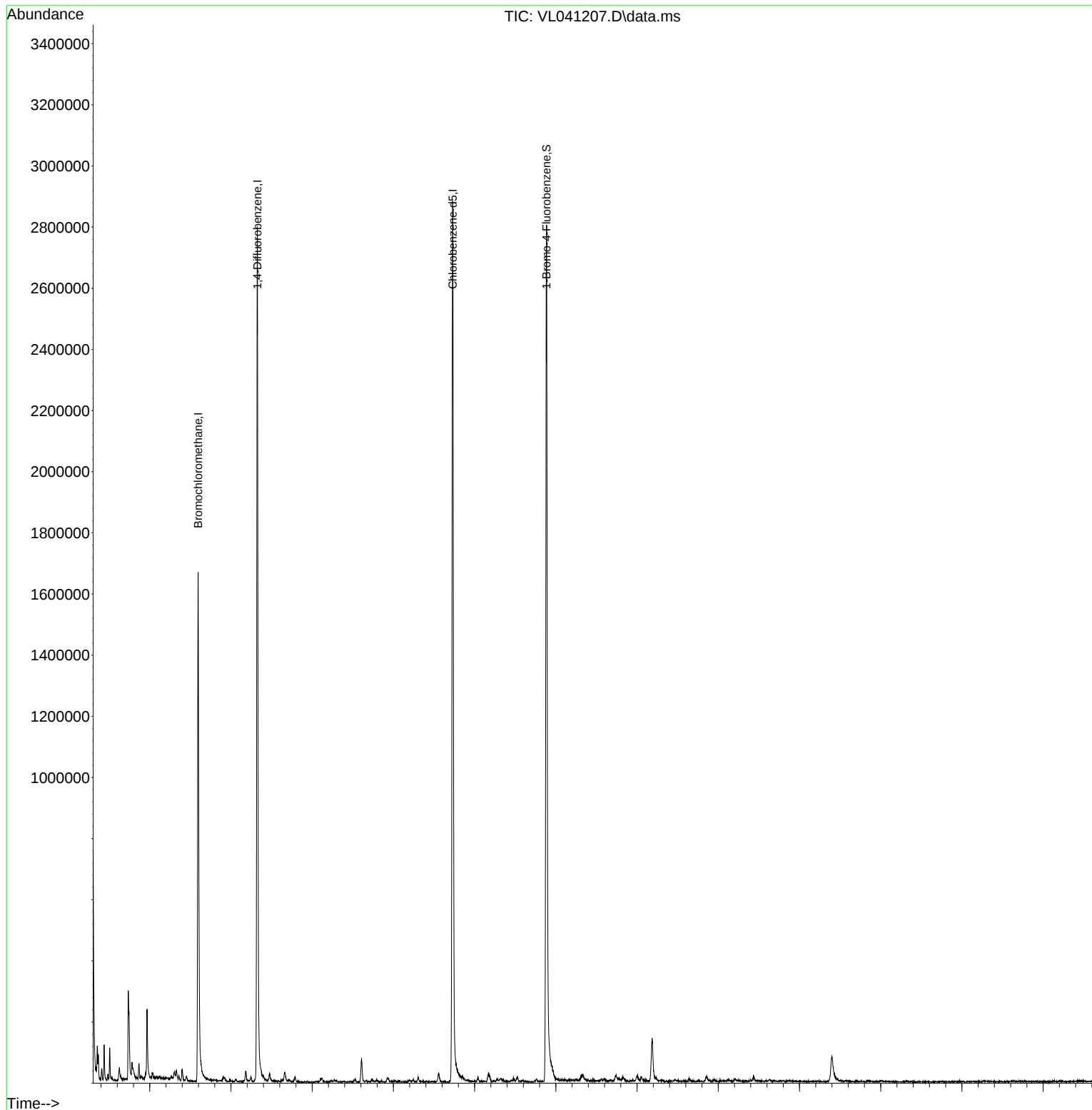
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
Data File : VL041207.D
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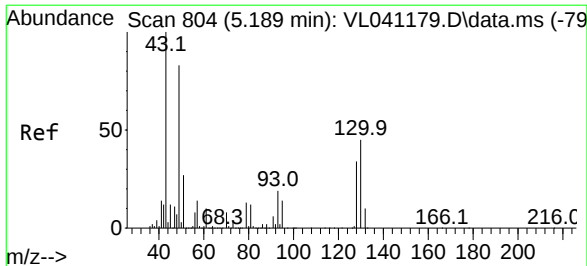
Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425

Quant Time: May 03 03:45:48 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 : Fri May 03 03:34:47 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

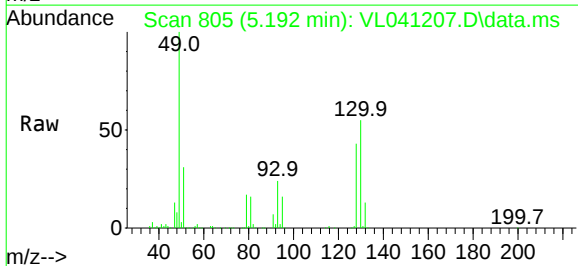
Reviewed By : Semsettin Yesilyurt 05/06/2024
Supervised By : Mahesh Dadoda 05/07/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

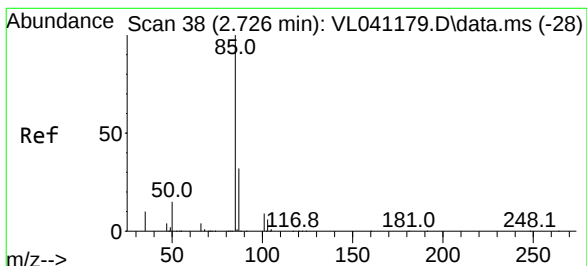
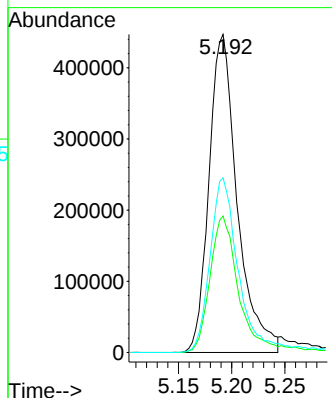
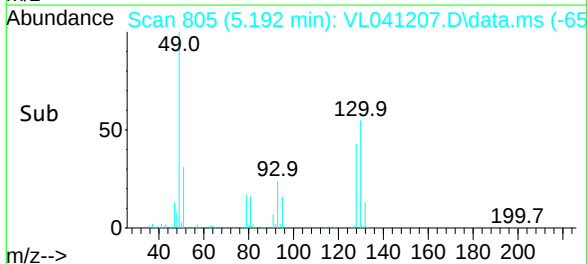
Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425



Tgt Ion: 49 Resp: 825428
Ion Ratio Lower Upper
49 100
128 44.6 21.5 64.5
130 58.0 27.2 81.6

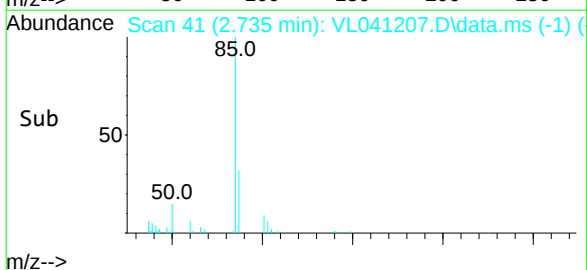
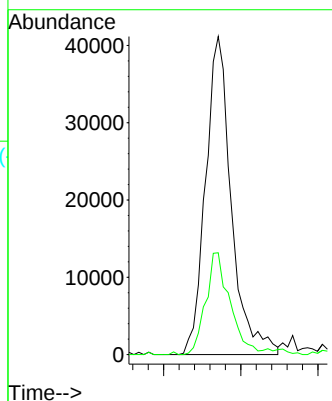
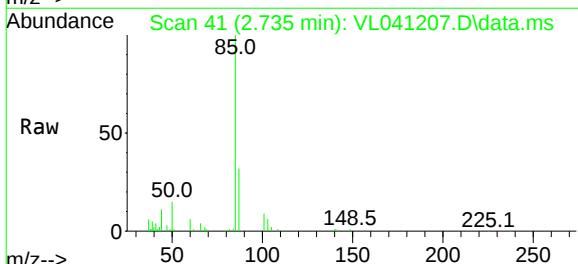
Manual Integrations
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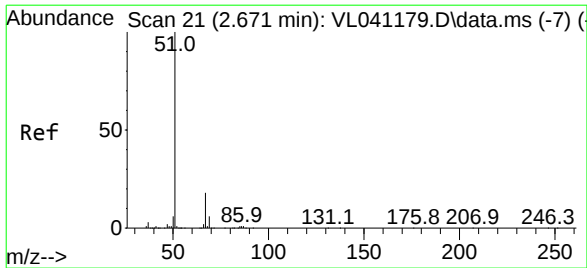
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.428 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

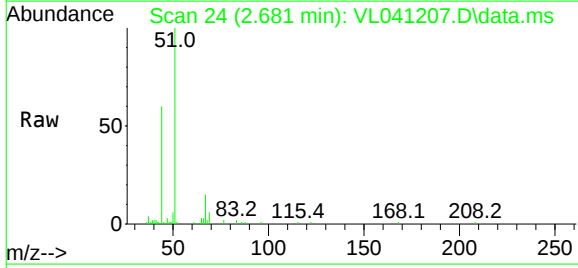
Tgt Ion: 85 Resp: 47802
Ion Ratio Lower Upper
85 100
87 32.0 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.294 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.007 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

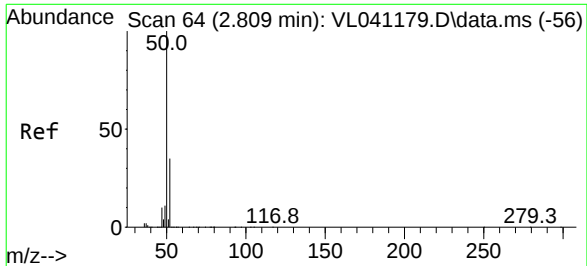
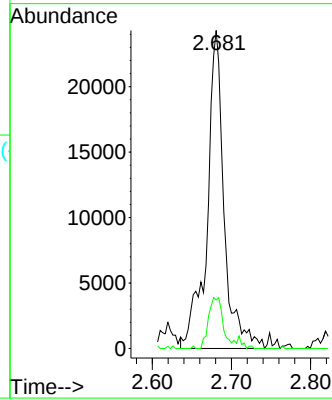
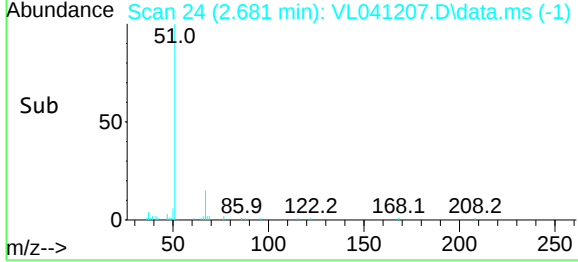
Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425



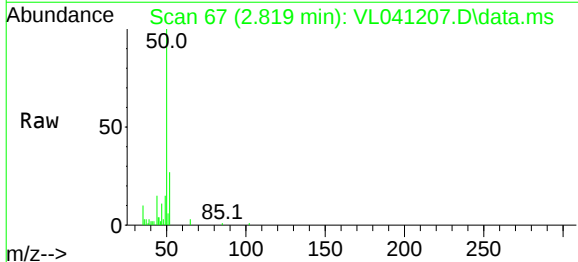
Tgt Ion: 51 Resp: 36821
Ion Ratio Lower Upper
51 100
67 14.9 14.0 21.0

Manual Integrations
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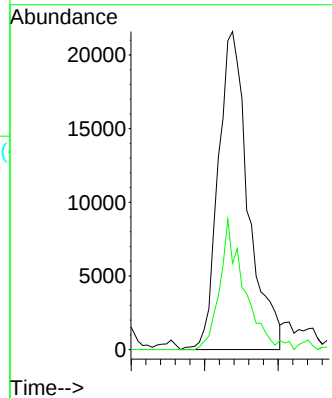
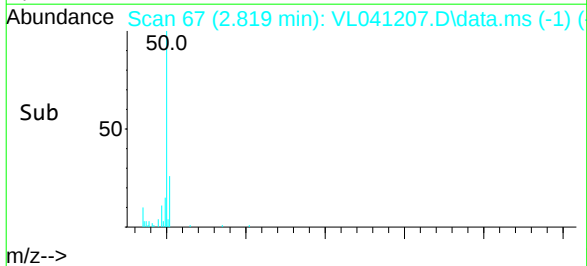
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

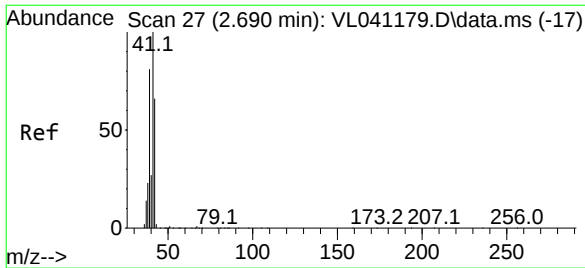


#4
Chloromethane
Concen: 0.624 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.007 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47



Tgt Ion: 50 Resp: 30695
Ion Ratio Lower Upper
50 100
52 27.1 28.3 42.5#





#9

Propene

Concen: 0.453 ppbv

RT: 2.706 min Scan# 32

Delta R.T. 0.013 min

Lab File: VL041207.D

Acq: 2 May 2024 22:47

Instrument :

MSVOA_L

ClientSampleId :

BA-20-AA01-20240425

Tgt Ion: 41 Resp: 22244

Ion Ratio Lower Upper

41 100

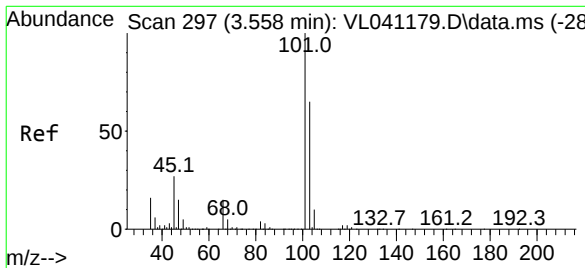
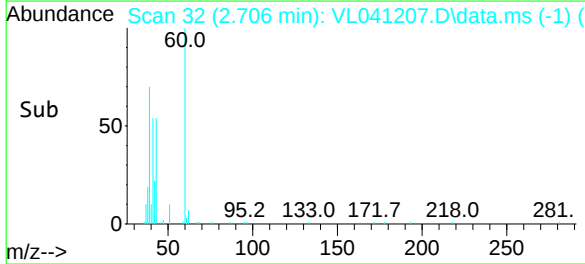
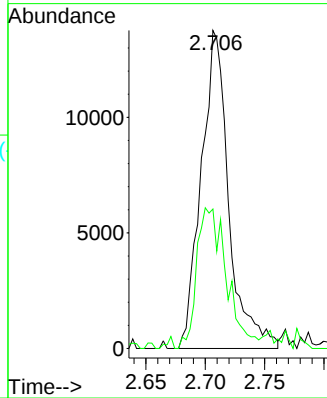
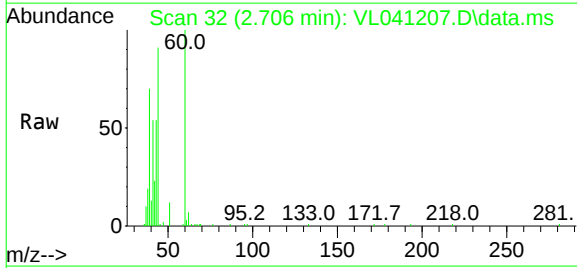
42 53.6 55.3 82.9#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#11

Trichlorofluoromethane

Concen: 0.243 ppbv

RT: 3.565 min Scan# 299

Delta R.T. 0.007 min

Lab File: VL041207.D

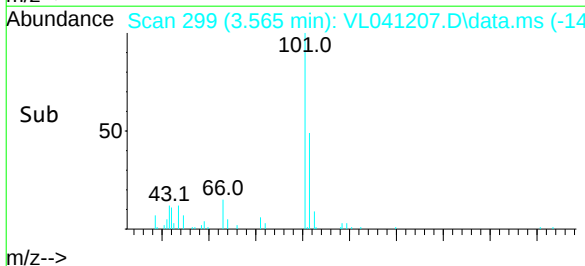
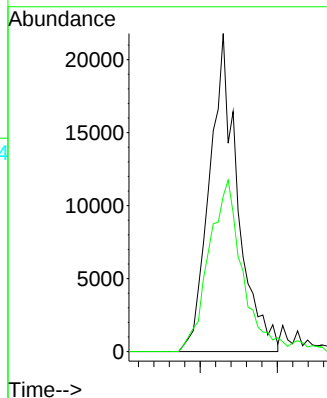
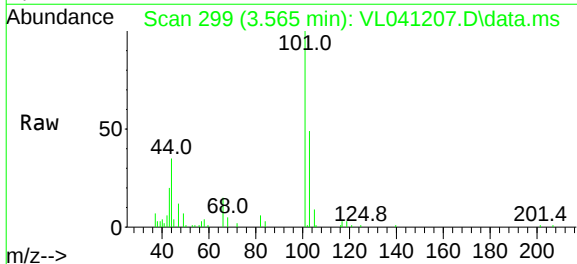
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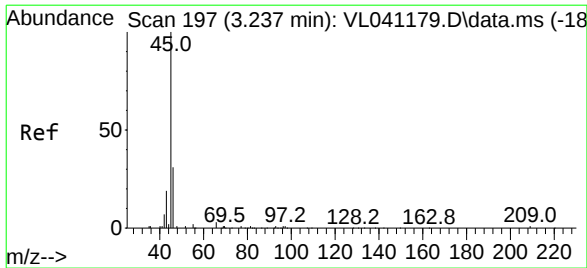
Tgt Ion:101 Resp: 27568

Ion Ratio Lower Upper

101 100

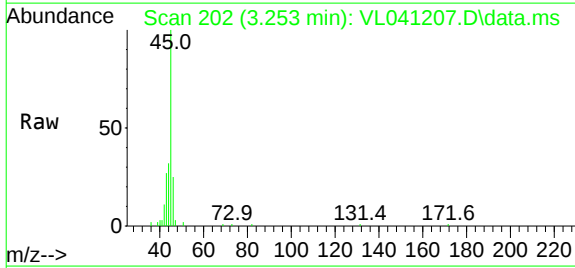
103 48.9 51.6 77.4#





#13
Ethanol
Concen: 4.473 ppbv m
RT: 3.253 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

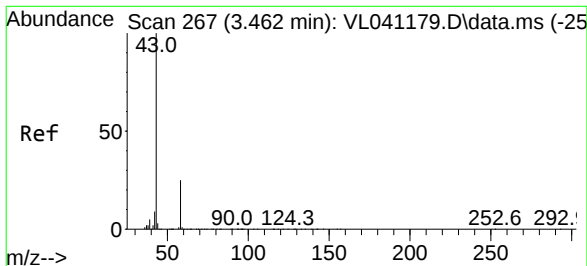
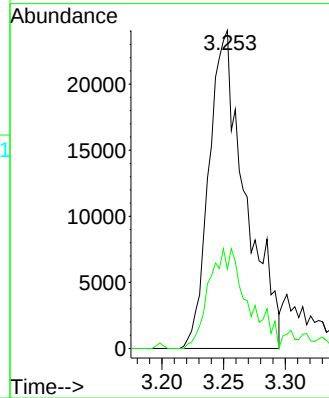
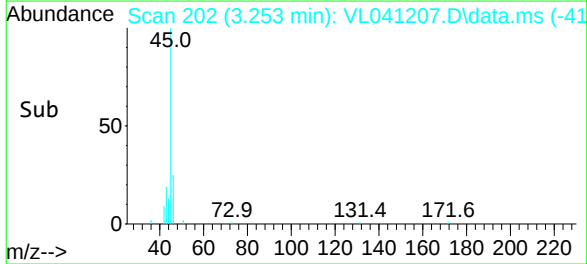
Instrument :
MSVOA_L
ClientSampleId :
BA-20-AA01-20240425



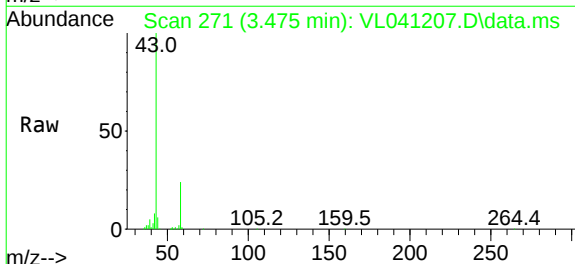
Tgt Ion: 45 Resp: 49191
Ion Ratio Lower Upper
45 100
46 38.4 14.8 59.0

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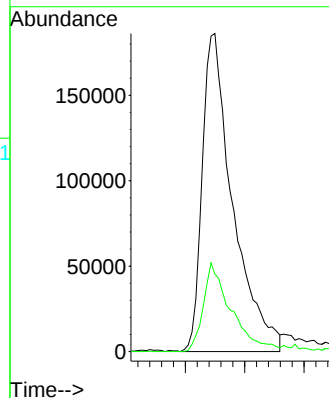
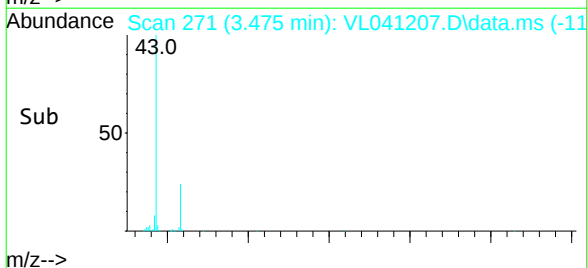
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

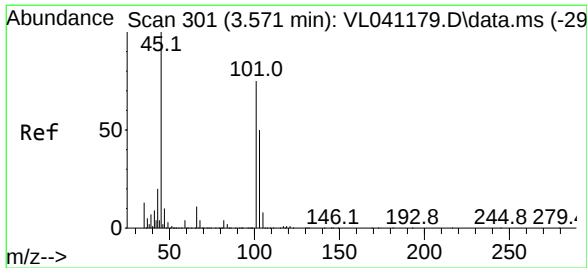


#15
Acetone
Concen: 3.417 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.010 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47



Tgt Ion: 43 Resp: 332828
Ion Ratio Lower Upper
43 100
58 28.0 21.4 32.0





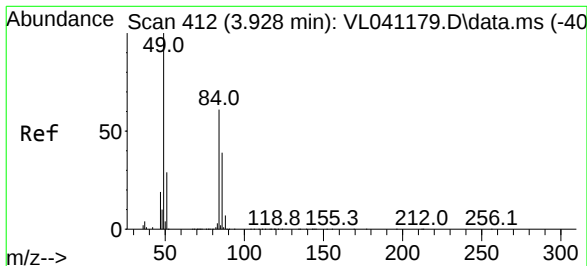
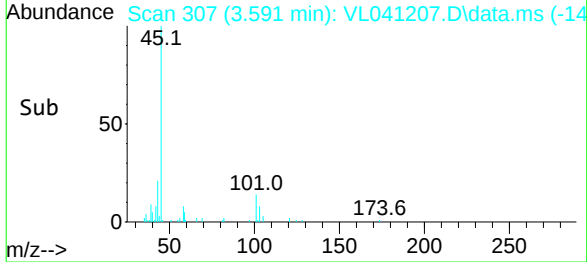
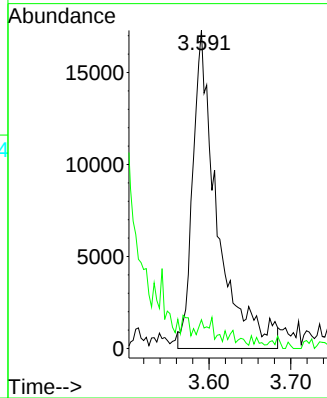
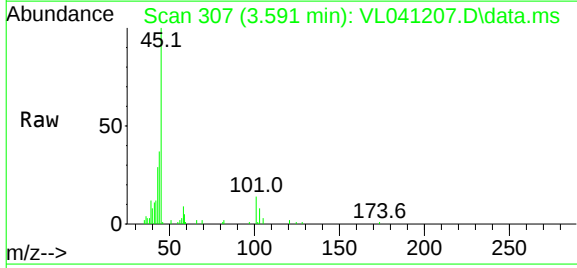
#19
Isopropyl Alcohol
Concen: 0.564 ppbv m
RT: 3.591 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

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

Tgt Ion: 45 Resp: 36058
Ion Ratio Lower Upper
45 100
58 0.0 26.8 40.2

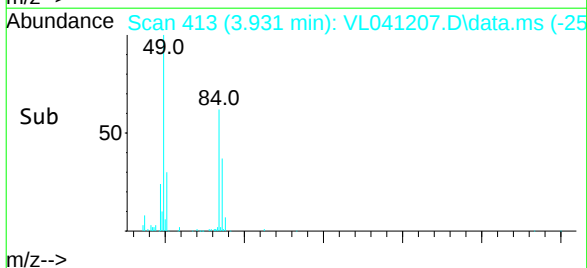
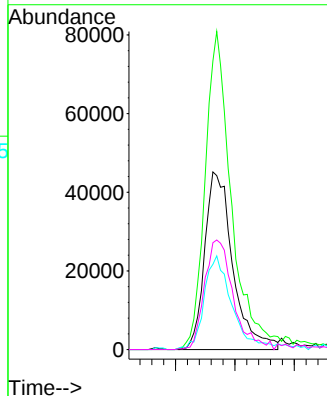
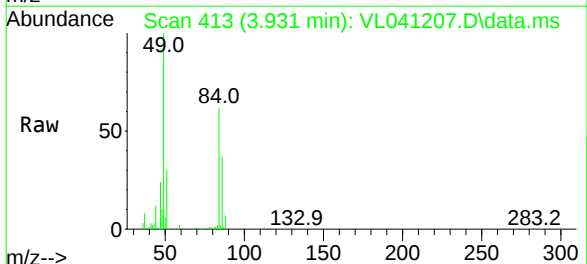
Manual Integrations
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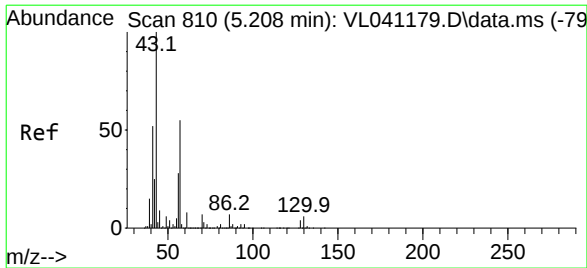
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#20
Methylene Chloride
Concen: 2.201 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.000 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

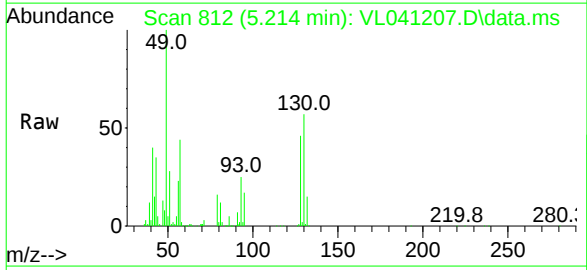
Tgt Ion: 84 Resp: 74545
Ion Ratio Lower Upper
84 100
49 161.8 130.4 195.6
51 47.1 38.0 57.0
86 59.7 50.3 75.5





#26
Hexane
Concen: 0.857 ppbv
RT: 5.214 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

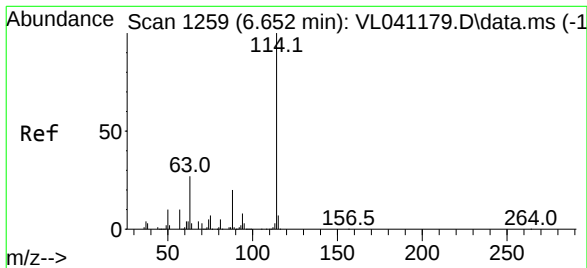
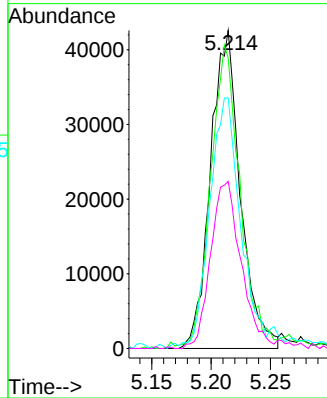
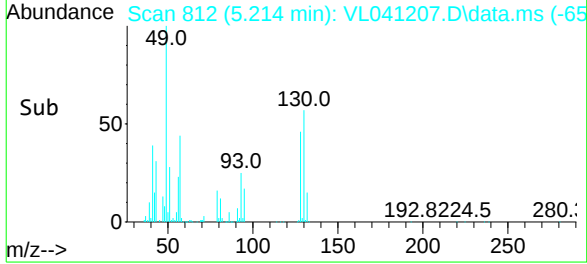
Instrument :
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BA-20-AA01-20240425



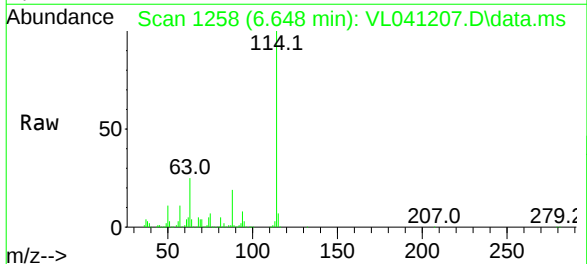
Tgt Ion:	57	Resp:	74371
Ion	Ratio	Lower	Upper
57	100		
41	99.1	75.8	113.8
43	87.3	187.0	280.4
56	55.4	42.7	64.1

Manual Integrations
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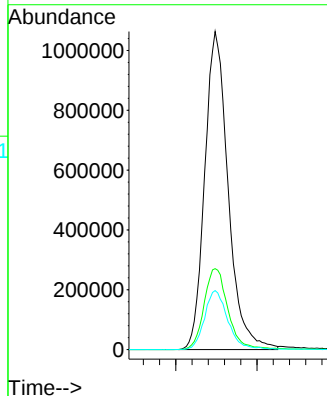
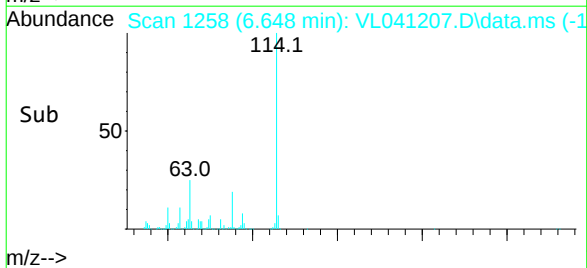
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

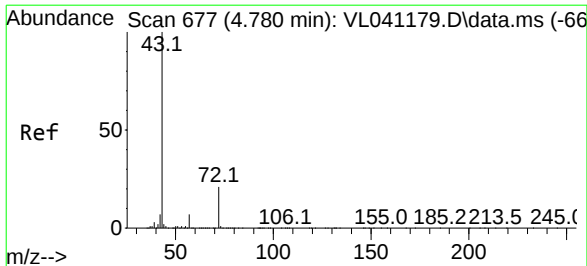


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47



Tgt Ion:	114	Resp:	2131404
Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.8	32.6
88	18.7	15.2	22.8





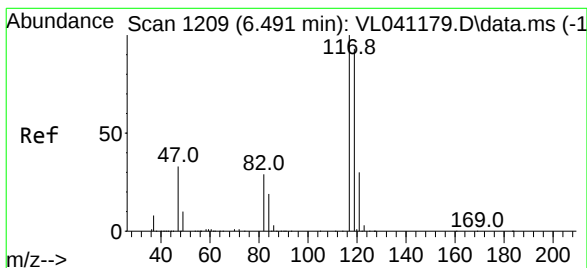
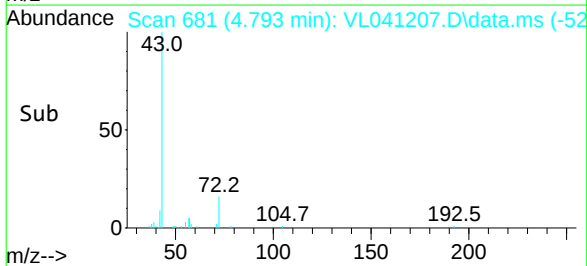
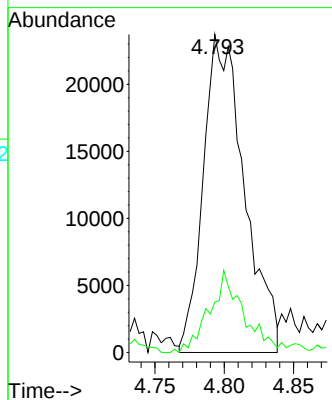
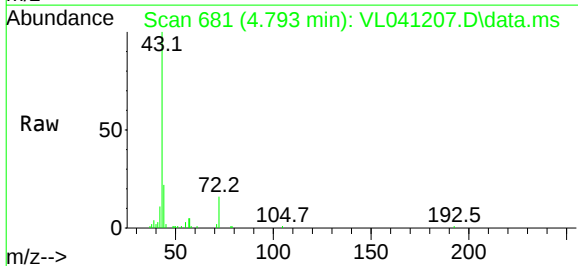
#34
2-Butanone
Concen: 0.449 ppbv m
RT: 4.793 min Scan# 681
Delta R.T. 0.010 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

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

Tgt Ion: 43 Resp: 48724
Ion Ratio Lower Upper
43 100
72 0.0 17.3 25.9#

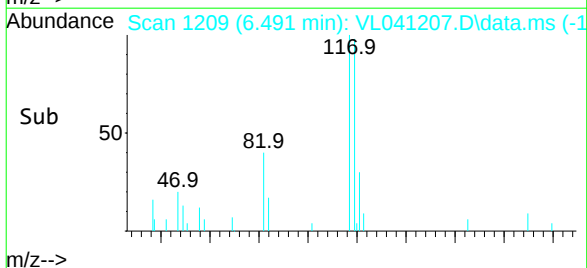
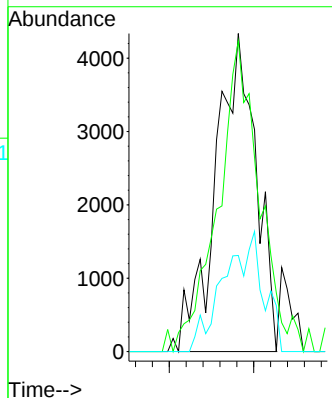
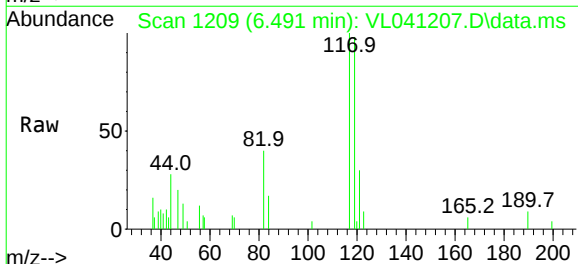
Manual Integrations
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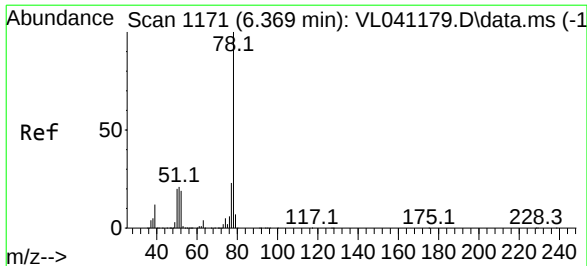
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

Tgt Ion:117 Resp: 7216
Ion Ratio Lower Upper
117 100
119 97.7 74.3 111.5
121 30.2 23.8 35.8





#36

Benzene

Concen: 0.125 ppbv m

RT: 6.375 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL041207.D

Acq: 2 May 2024 22:47

Instrument :

MSVOA_L

ClientSampleId :

BA-20-AA01-20240425

Tgt Ion: 78 Resp: 22326

Ion Ratio Lower Upper

78 100

77 19.0 18.3 27.5

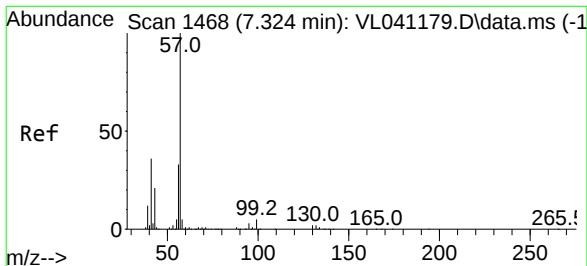
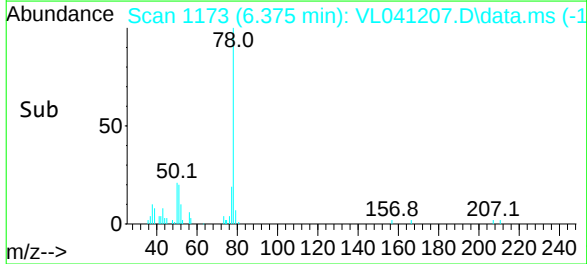
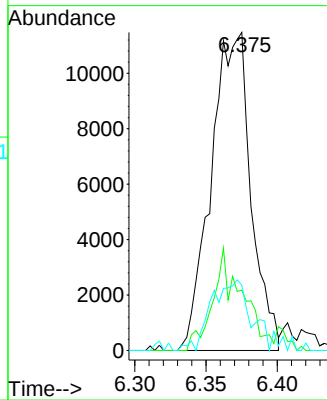
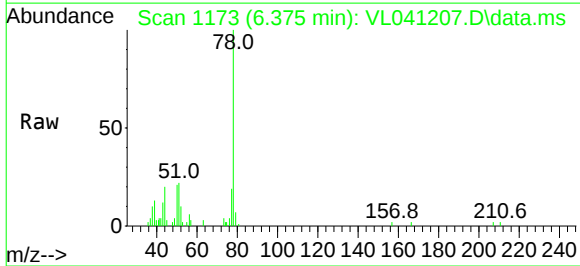
50 20.5 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#44

2,2,4-Trimethylpentane

Concen: 0.096 ppbv m

RT: 7.330 min Scan# 1470

Delta R.T. 0.003 min

Lab File: VL041207.D

Acq: 2 May 2024 22:47

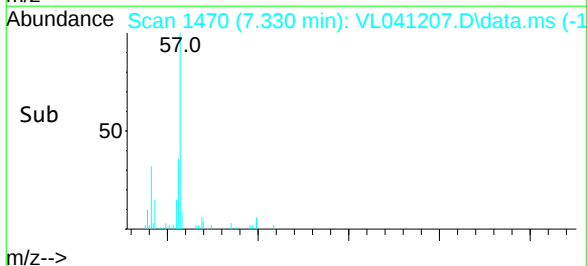
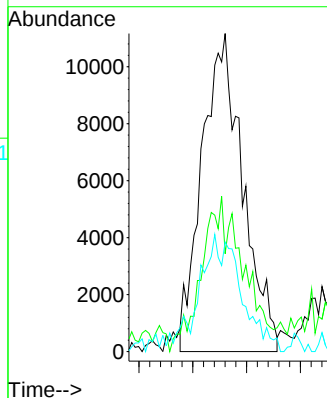
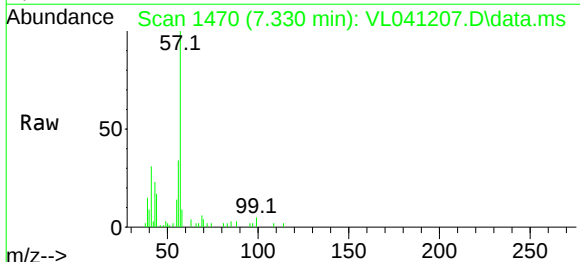
Tgt Ion: 57 Resp: 29488

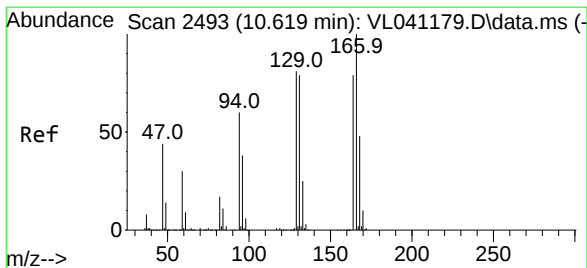
Ion Ratio Lower Upper

57 100

41 0.0 29.5 44.3#

56 39.6 25.3 37.9#





#52

Tetrachloroethene

Concen: 0.049 ppbv m

RT: 10.610 min Scan# 2493

Delta R.T. -0.003 min

Lab File: VL041207.D

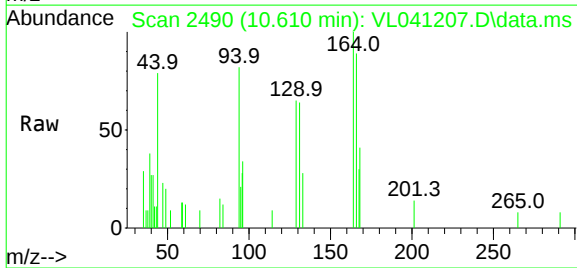
Acq: 2 May 2024 22:47

Instrument :

MSVOA_L

ClientSampleId :

BA-20-AA01-20240425



Tgt Ion: 164 Resp: 3097

Ion Ratio Lower Upper

164 100

166 88.8 101.1 151.7#

129 64.9 81.7 122.5#

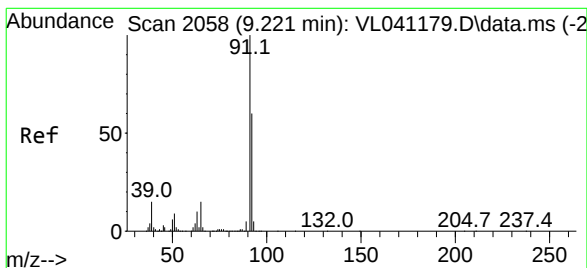
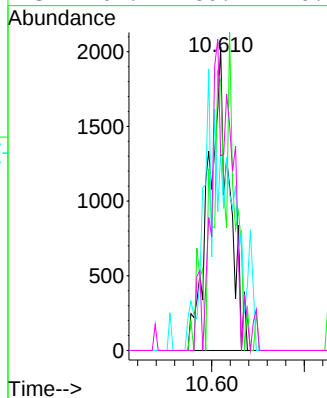
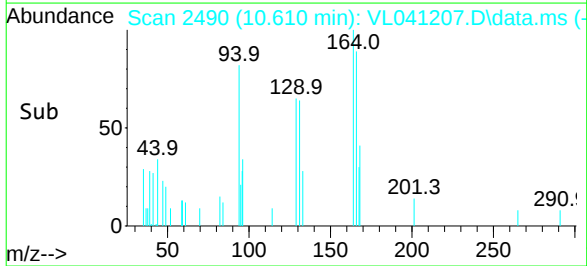
131 64.2 80.4 120.6#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#53

Toluene

Concen: 0.261 ppbv m

RT: 9.211 min Scan# 2055

Delta R.T. -0.009 min

Lab File: VL041207.D

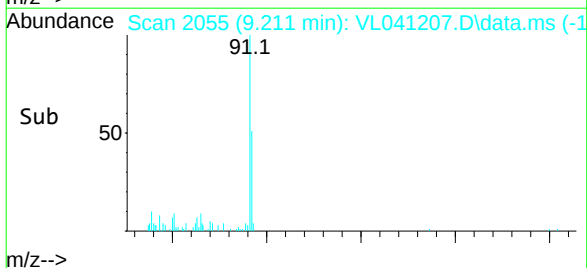
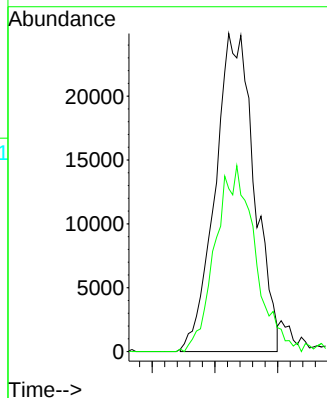
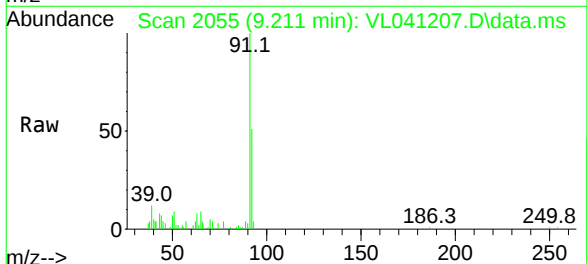
Acq: 2 May 2024 22:47

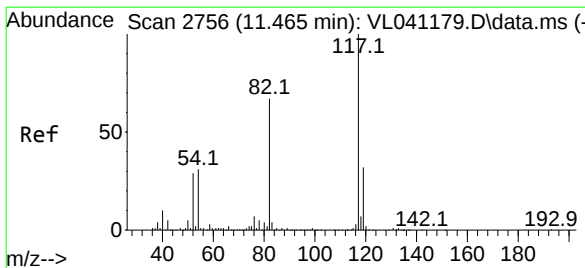
Tgt Ion: 91 Resp: 54041

Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 27

Delta R.T. -0.006 min

Lab File: VL041207.D

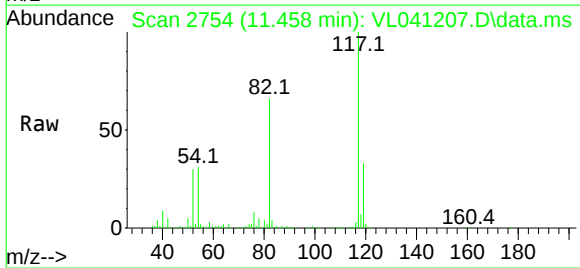
Acq: 2 May 2024 22:47

Instrument :

MSVOA_L

ClientSampleId :

BA-20-AA01-20240425

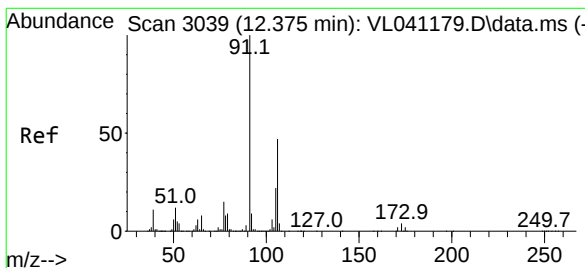
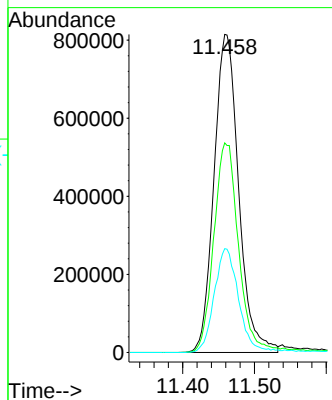
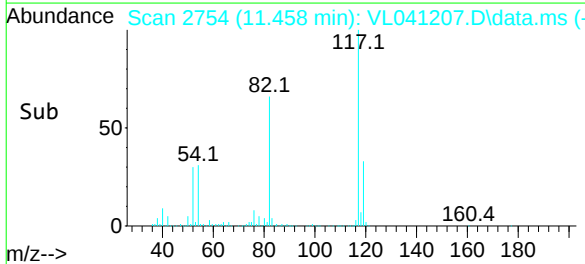


Tgt Ion: 117 Resp: 1946949

Ion	Ratio	Lower	Upper
117	100		
82	67.9	53.6	80.4
119	33.3	27.2	40.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#59

m/p-Xylene

Concen: 0.120 ppbv m

RT: 12.339 min Scan# 3028

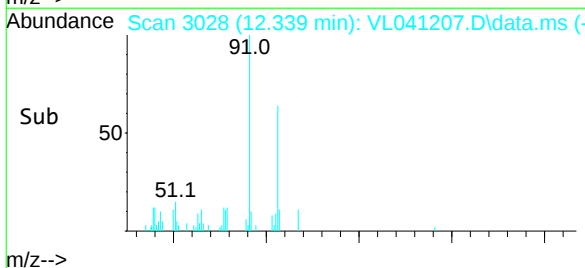
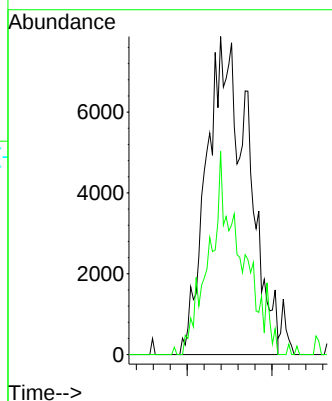
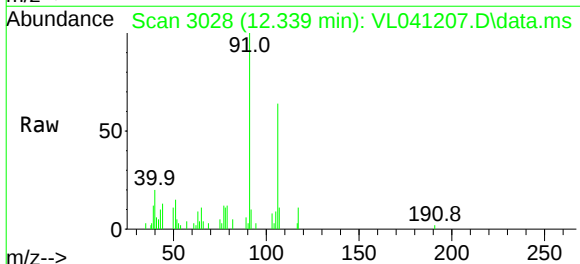
Delta R.T. -0.032 min

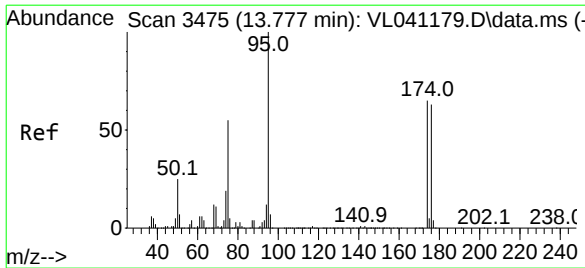
Lab File: VL041207.D

Acq: 2 May 2024 22:47

Tgt Ion: 91 Resp: 26823

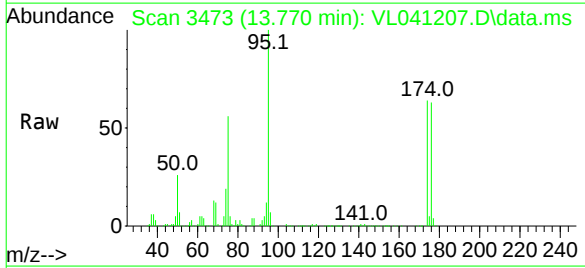
Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.7	53.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.987 ppbv
RT: 13.770 min Scan# 3475
Delta R.T. -0.003 min
Lab File: VL041207.D
Acq: 2 May 2024 22:47

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



Tgt Ion: 95 Resp: 1467888

Ion	Ratio	Lower	Upper
95	100		
174	68.8	53.6	80.4
175	5.1	4.2	6.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

