

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041244.D
 Acq On : 8 May 2024 15:11
 Operator : SY/MD
 Sample : P2334-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-SS02-20240425

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024

Quant Time: May 09 02:51:03 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 : Thu May 09 02:43:03 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	796967	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2078690	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	1863283	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1440337	10.239	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	36601	0.340	ppbv #	83
4) Chloromethane	2.835	50	25341	0.534	ppbv	99
9) Propene	2.732	41	62343m	1.316	ppbv	
11) Trichlorofluoromethane	3.587	101	26462	0.242	ppbv	97
13) Ethanol	3.259	45	1545094	145.506	ppbv	95
15) Acetone	3.491	43	927297	9.859	ppbv	98
19) Isopropyl Alcohol	3.600	45	613398	9.939	ppbv #	45
20) Methylene Chloride	3.957	84	944013	28.862	ppbv	98
26) Hexane	5.240	57	647807	7.732	ppbv #	44
34) 2-Butanone	4.816	43	73578	0.695	ppbv	94
35) Carbon Tetrachloride	6.520	117	8400m	0.072	ppbv	
36) Benzene	6.394	78	30117	0.173	ppbv #	94
37) 1,2-Dichloroethane	5.832	62	15012m	0.165	ppbv	
52) Tetrachloroethene	10.645	164	14050m	0.229	ppbv	
53) Toluene	9.249	91	124857	0.617	ppbv	99
59) m/p-Xylene	12.365	91	42928m	0.200	ppbv	

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

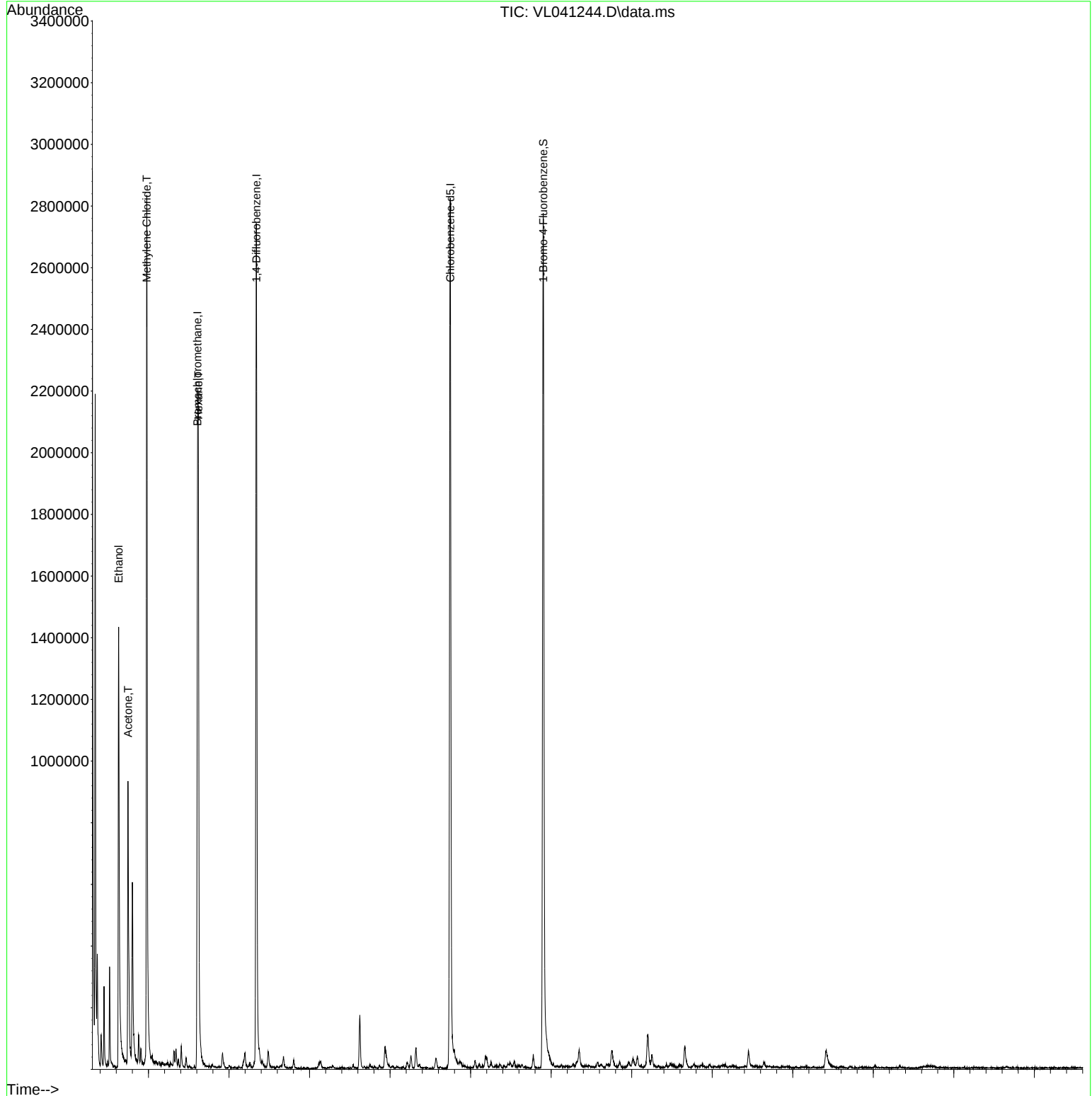
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
Data File : VL041244.D
Acq On : 8 May 2024 15:11
Operator : SY/MD
Sample : P2334-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

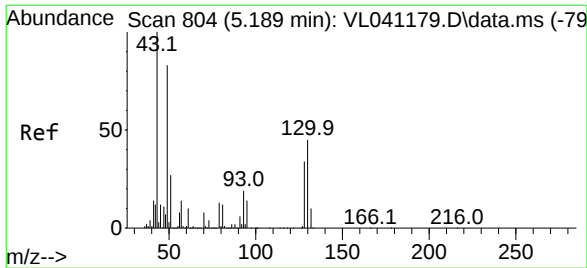
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425

Quant Time: May 09 02:51:03 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 : Thu May 09 02:43:03 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 05/09/2024
Supervised By : Mahesh Dadoda 05/09/2024





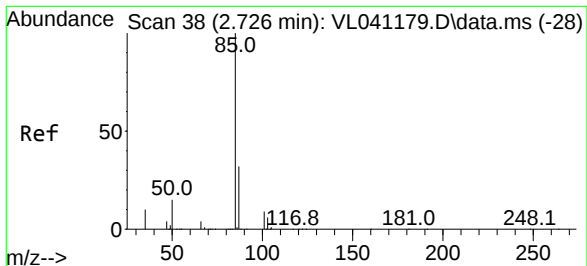
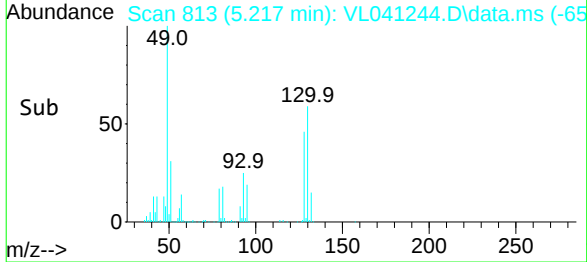
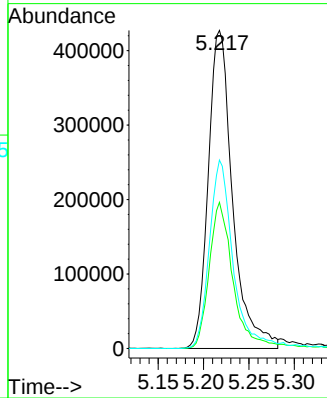
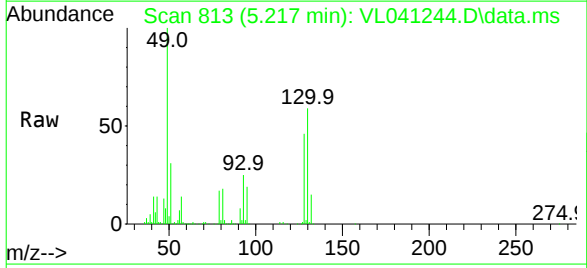
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.217 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425

Tgt Ion: 49 Resp: 796967
Ion Ratio Lower Upper
49 100
128 46.3 21.5 64.5
130 59.8 27.2 81.6

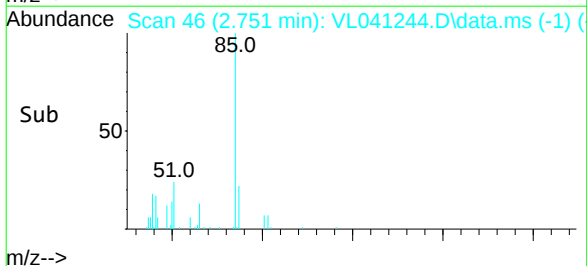
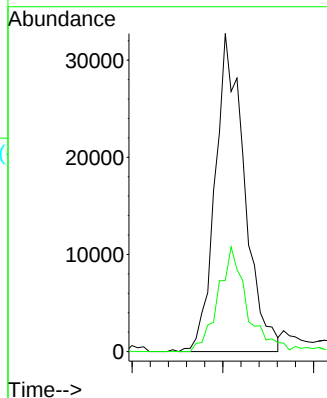
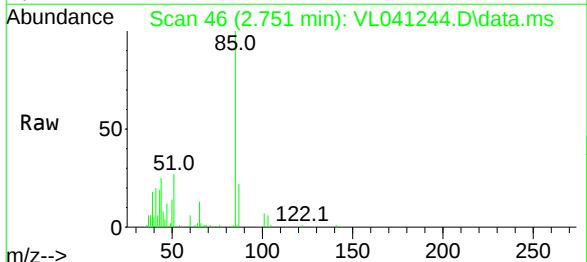
Manual Integrations
APPROVED

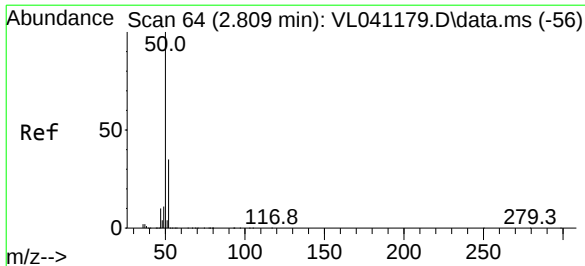
Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#2
Dichlorodifluoromethane
Concen: 0.340 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.006 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

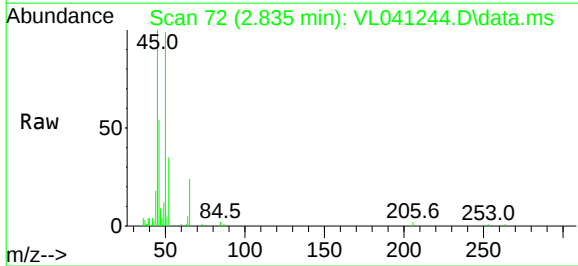
Tgt Ion: 85 Resp: 36601
Ion Ratio Lower Upper
85 100
87 22.4 25.7 38.5#





#4
Chloromethane
Concen: 0.534 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.003 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

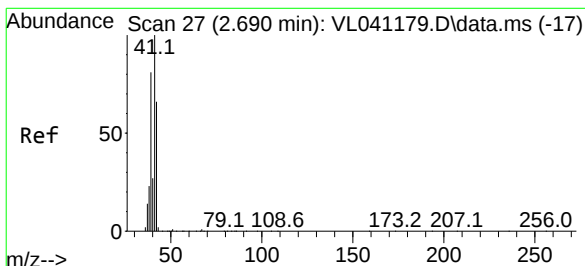
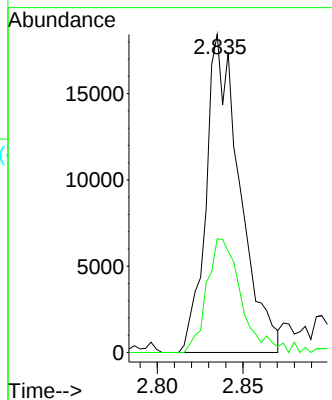
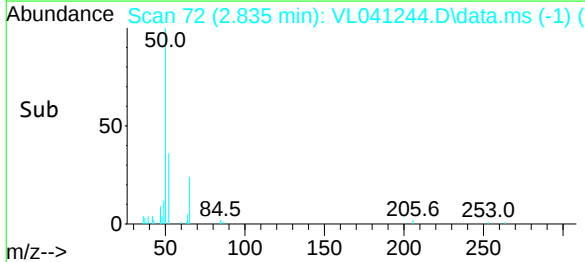
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425



Tgt Ion: 50 Resp: 25341
Ion Ratio Lower Upper
50 100
52 35.7 28.3 42.5

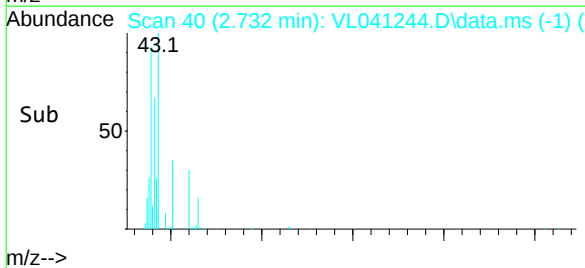
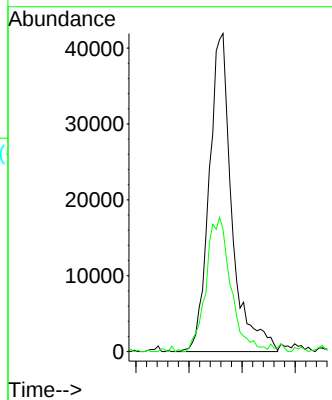
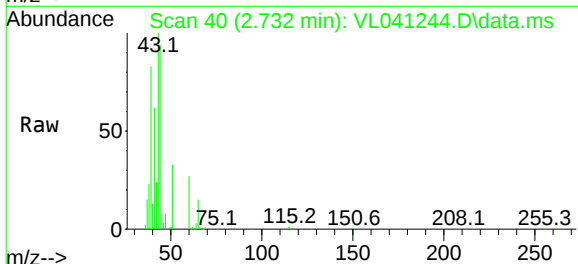
Manual Integrations
APPROVED

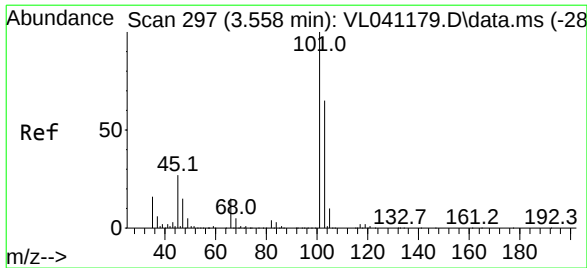
Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#9
Propene
Concen: 1.316 ppbv m
RT: 2.732 min Scan# 40
Delta R.T. 0.022 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

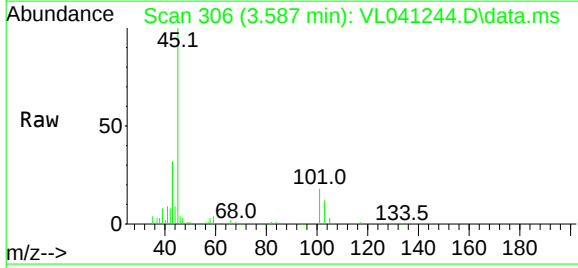
Tgt Ion: 41 Resp: 62343
Ion Ratio Lower Upper
41 100
42 2.2 55.3 82.9#





#11
Trichlorofluoromethane
Concen: 0.242 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.006 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

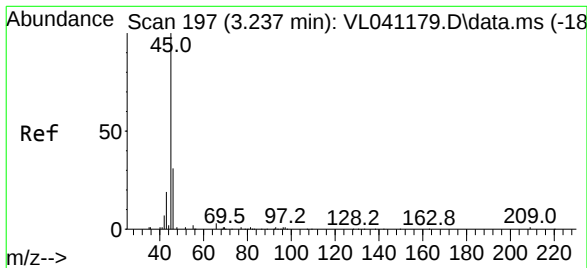
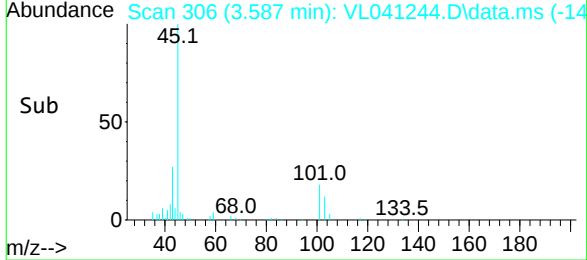
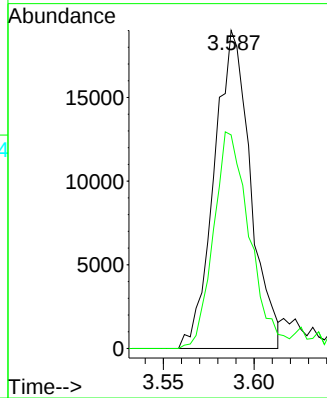
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425



Tgt Ion:101 Resp: 26462
Ion Ratio Lower Upper
101 100
103 67.1 51.6 77.4

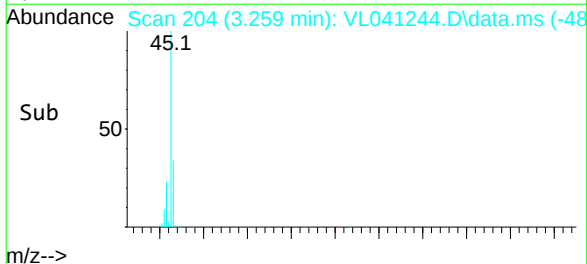
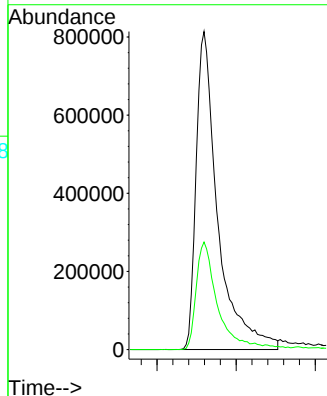
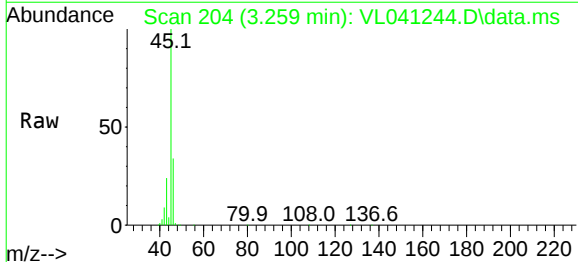
Manual Integrations
APPROVED

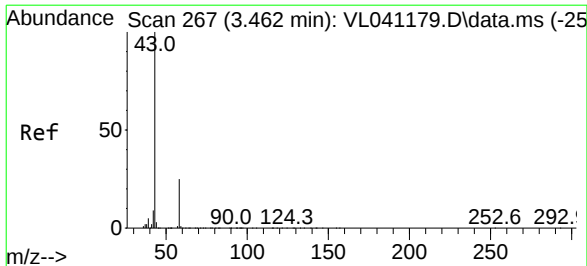
Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#13
Ethanol
Concen: 145.506 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.003 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

Tgt Ion: 45 Resp: 1545094
Ion Ratio Lower Upper
45 100
46 34.0 14.8 59.0





#15

Acetone

Concen: 9.859 ppbv

RT: 3.491 min Scan# 27

Delta R.T. 0.006 min

Lab File: VL041244.D

Acq: 8 May 2024 15:11

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS02-20240425

Tgt Ion: 43 Resp: 927297

Ion Ratio Lower Upper

43 100

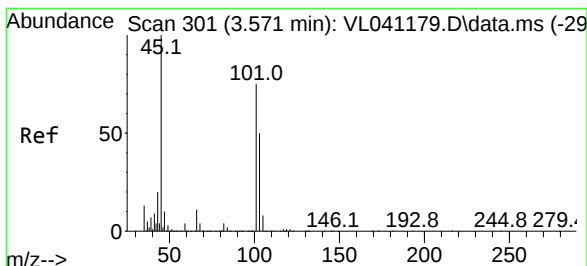
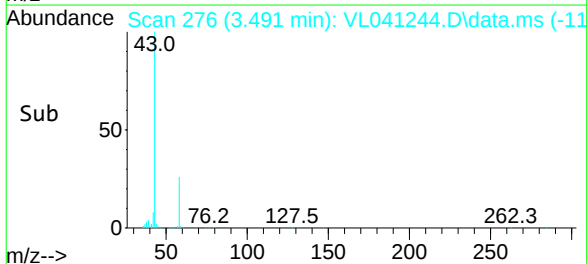
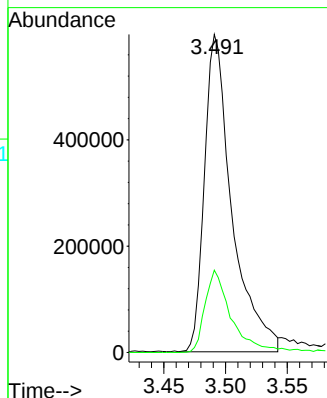
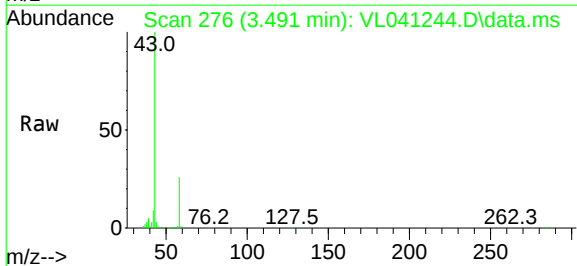
58 25.7 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#19

Isopropyl Alcohol

Concen: 9.939 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.010 min

Lab File: VL041244.D

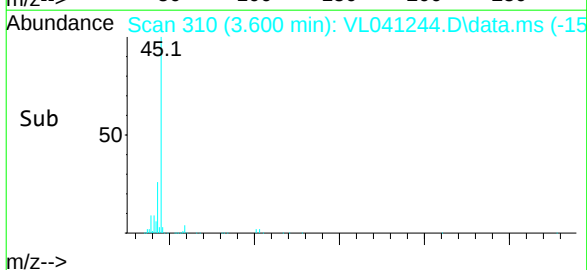
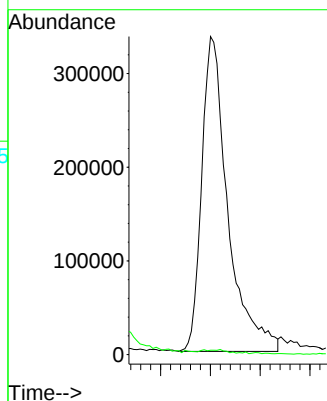
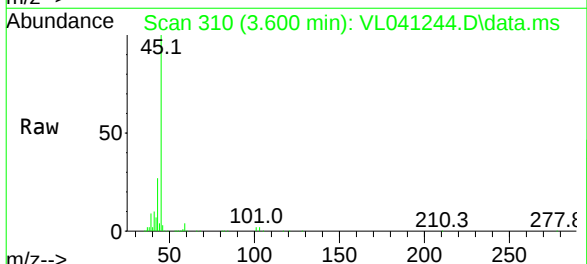
Acq: 8 May 2024 15:11

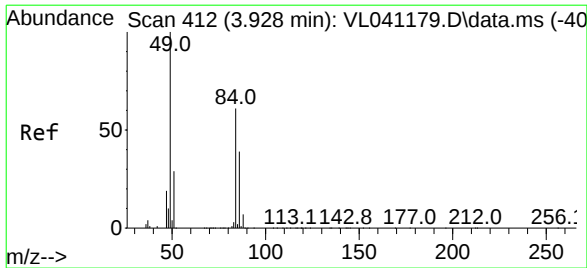
Tgt Ion: 45 Resp: 613398

Ion Ratio Lower Upper

45 100

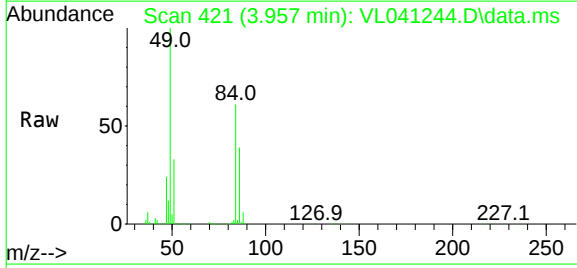
58 2.0 26.8 40.2#





#20
Methylene Chloride
Concen: 28.862 ppbv
RT: 3.957 min Scan# 42
Delta R.T. 0.006 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

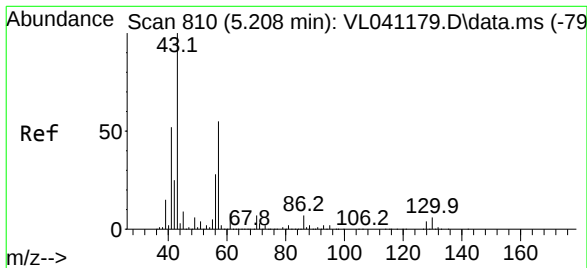
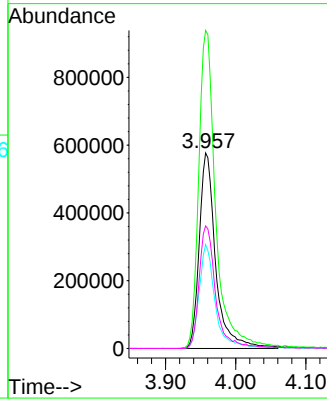
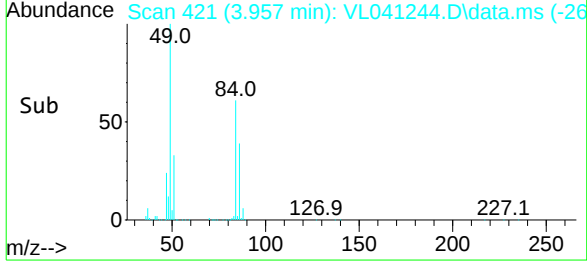
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425



Tgt Ion:	84	Resp:	944013
Ion	Ratio	Lower	Upper
84	100		
49	162.6	130.4	195.6
51	53.1	38.0	57.0
86	62.7	50.3	75.5

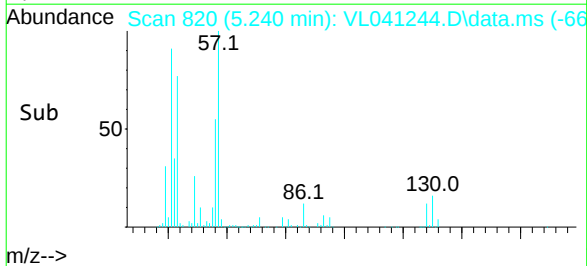
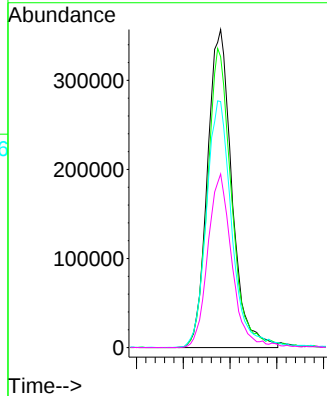
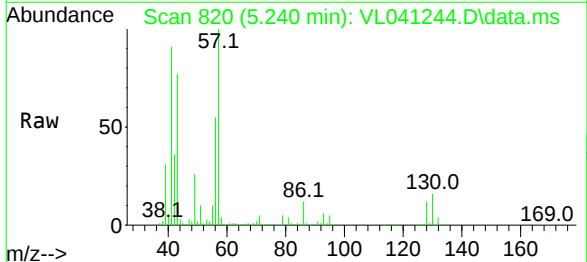
Manual Integrations
APPROVED

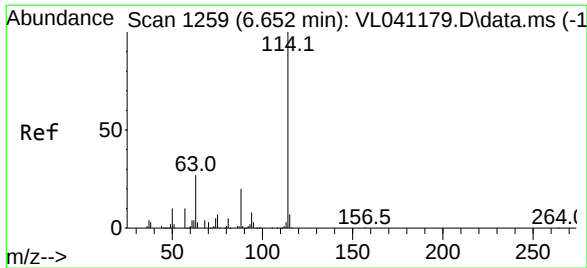
Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#26
Hexane
Concen: 7.732 ppbv
RT: 5.240 min Scan# 820
Delta R.T. 0.010 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

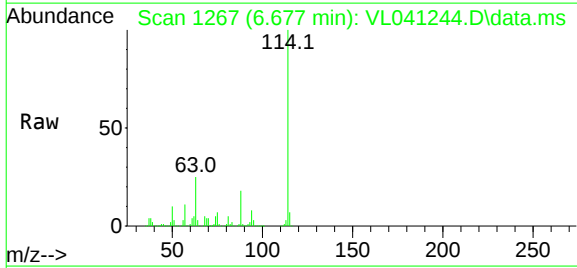
Tgt Ion:	57	Resp:	647807
Ion	Ratio	Lower	Upper
57	100		
41	93.2	75.8	113.8
43	81.4	187.0	280.4#
56	54.1	42.7	64.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.677 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

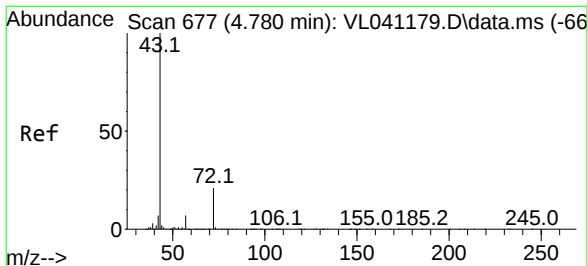
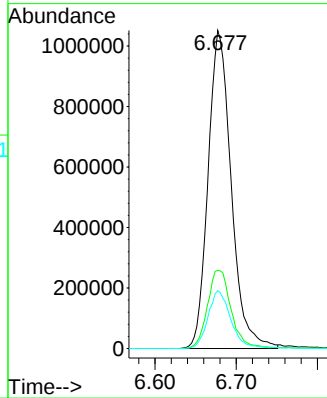
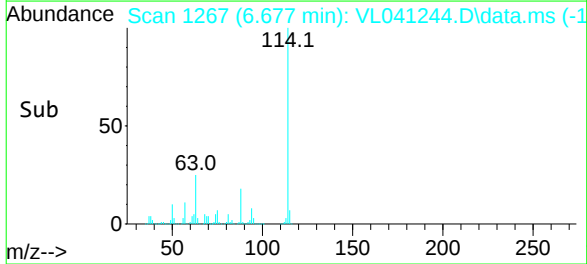
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425



Tgt Ion: 114 Resp: 2078696
Ion Ratio Lower Upper
114 100
63 25.5 21.8 32.6
88 18.1 15.2 22.8

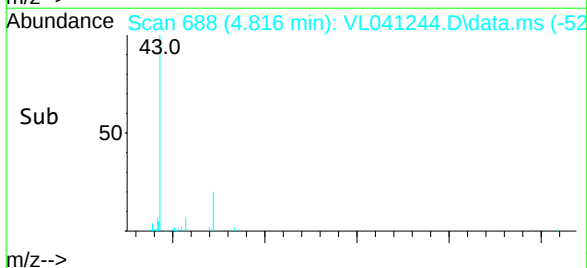
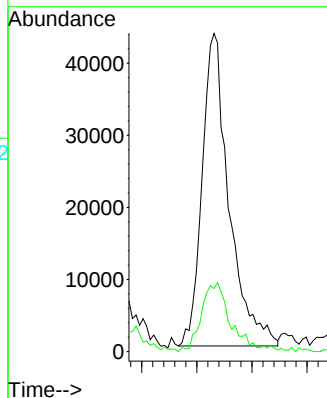
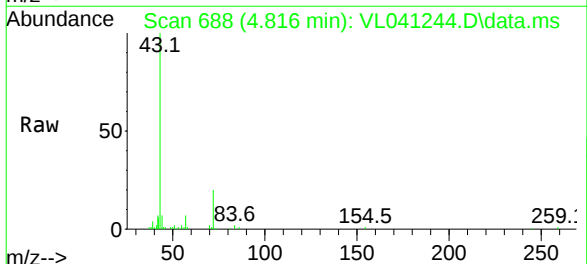
Manual Integrations
APPROVED

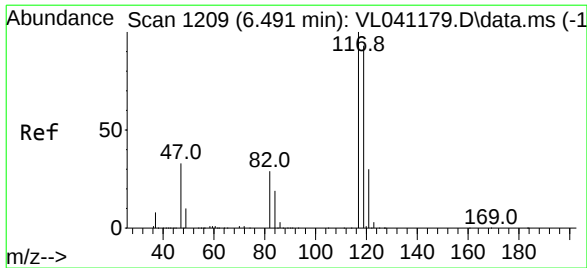
Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#34
2-Butanone
Concen: 0.695 ppbv
RT: 4.816 min Scan# 688
Delta R.T. 0.013 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

Tgt Ion: 43 Resp: 73578
Ion Ratio Lower Upper
43 100
72 24.7 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.072 ppbv

RT: 6.520 min Scan# 12

Delta R.T. 0.006 min

Lab File: VL041244.D

Acq: 8 May 2024 15:11

Instrument :

MSVOA_L

ClientSampleId :

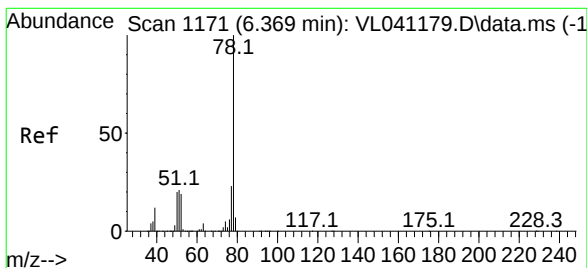
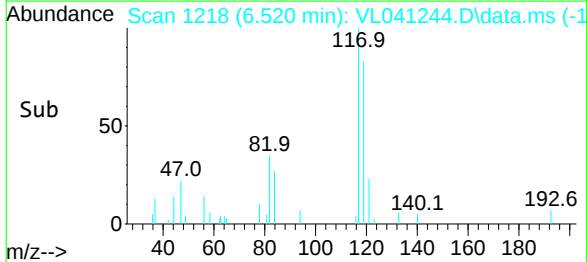
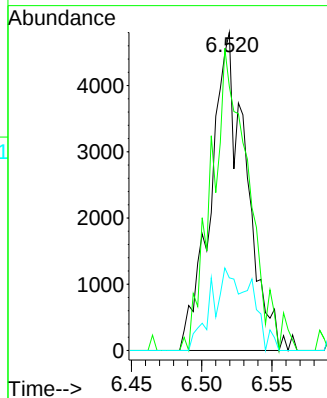
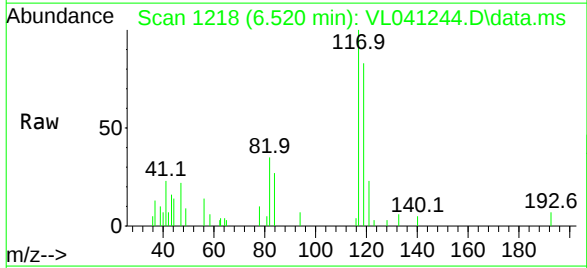
BA-03-SS02-20240425

Tgt Ion:	117	Resp:	8400
Ion	Ratio	Lower	Upper
117	100		
119	83.0	74.3	111.5
121	22.8	23.8	35.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#36

Benzene

Concen: 0.173 ppbv

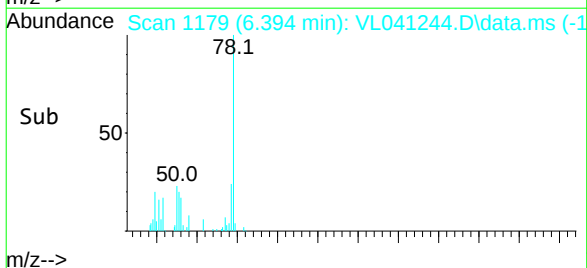
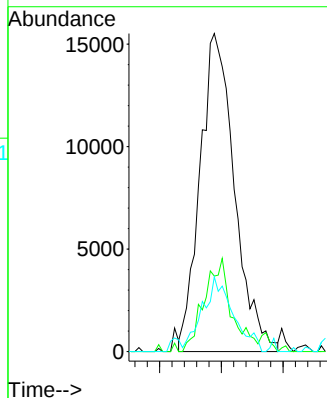
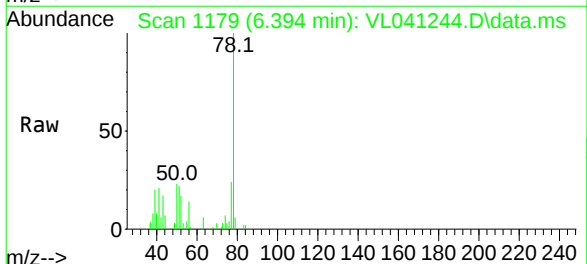
RT: 6.394 min Scan# 1179

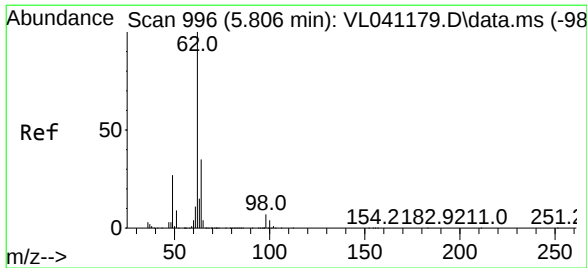
Delta R.T. 0.003 min

Lab File: VL041244.D

Acq: 8 May 2024 15:11

Tgt Ion:	78	Resp:	30117
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.3	27.5
50	24.1	15.9	23.9





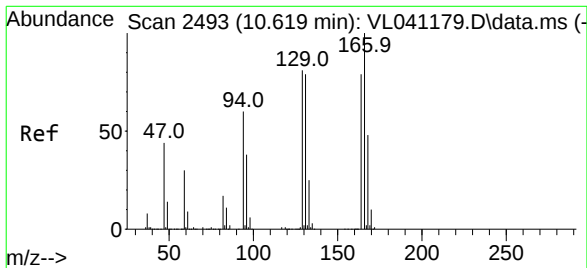
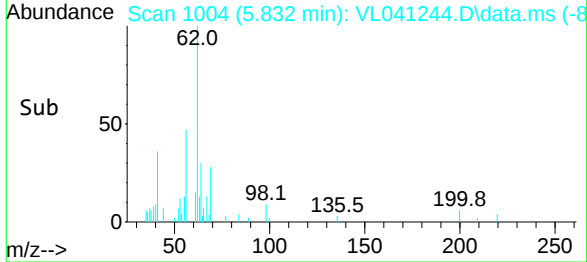
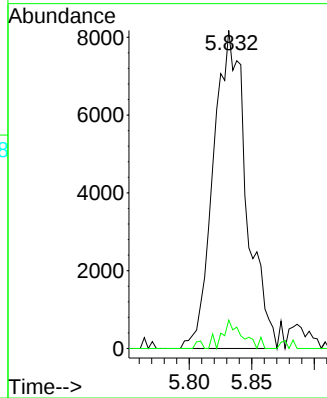
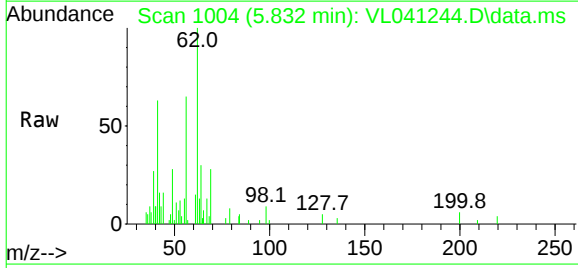
#37
1,2-Dichloroethane
Concen: 0.165 ppbv m
RT: 5.832 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425

Tgt Ion: 62 Resp: 15012
Ion Ratio Lower Upper
62 100
98 5.4 5.0 7.4

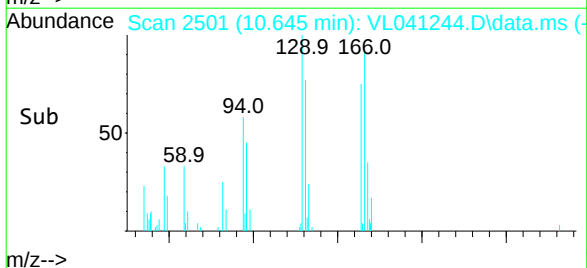
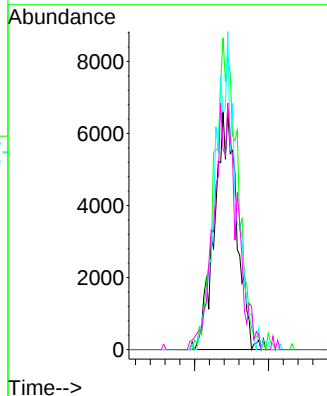
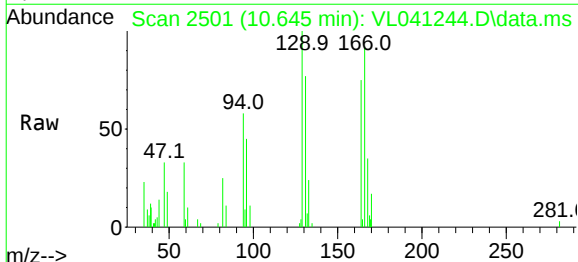
Manual Integrations
APPROVED

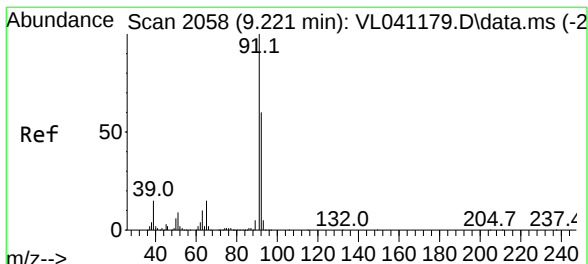
Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#52
Tetrachloroethene
Concen: 0.229 ppbv m
RT: 10.645 min Scan# 2501
Delta R.T. 0.010 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

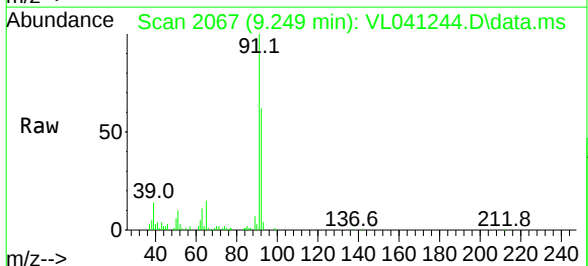
Tgt Ion:164 Resp: 14050
Ion Ratio Lower Upper
164 100
166 122.2 101.1 151.7
129 133.0 81.7 122.5#
131 103.0 80.4 120.6





#53
Toluene
Concen: 0.617 ppbv
RT: 9.249 min Scan# 2058
Delta R.T. 0.010 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

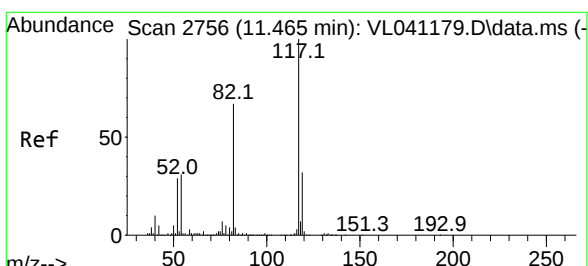
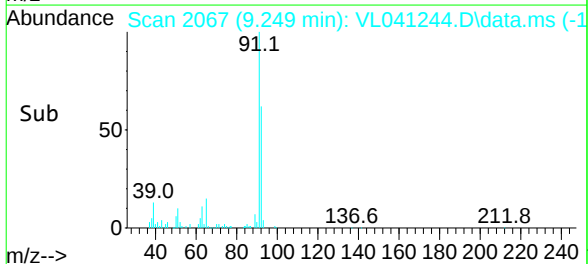
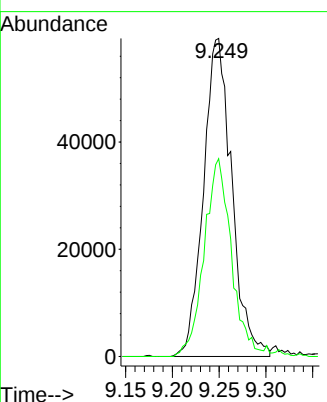
Instrument : MSVOA_L
ClientSampleId : BA-03-SS02-20240425



Tgt Ion: 91 Resp: 124857

Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.2	72.4

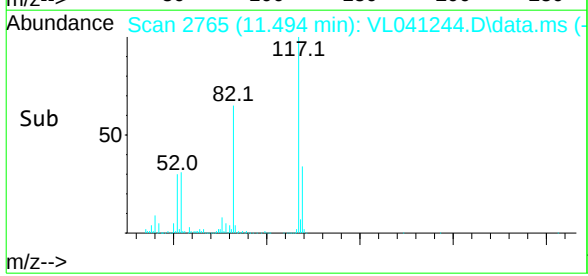
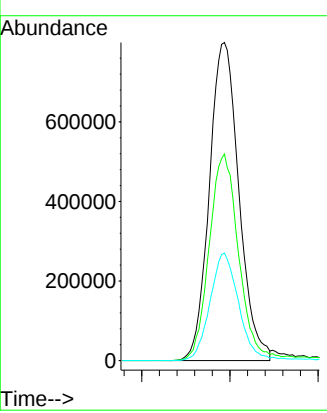
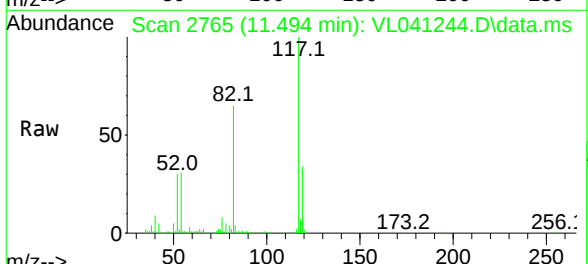
Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

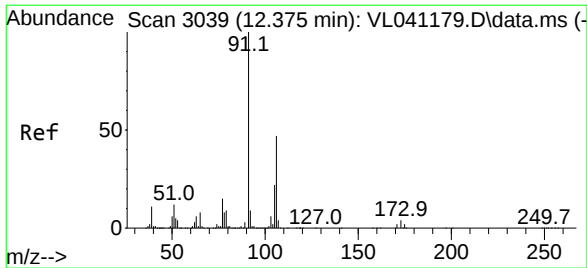


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. 0.006 min
Lab File: VL041244.D
Acq: 8 May 2024 15:11

Tgt Ion:117 Resp: 1863283

Ion	Ratio	Lower	Upper
117	100		
82	66.9	53.6	80.4
119	33.4	27.2	40.8





#59

m/p-Xylene

Concen: 0.200 ppbv m

RT: 12.365 min Scan# 3036

Delta R.T. -0.026 min

Lab File: VL041244.D

Acq: 8 May 2024 15:11

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS02-20240425

Tgt Ion: 91 Resp: 42928

Ion Ratio Lower Upper

91 100

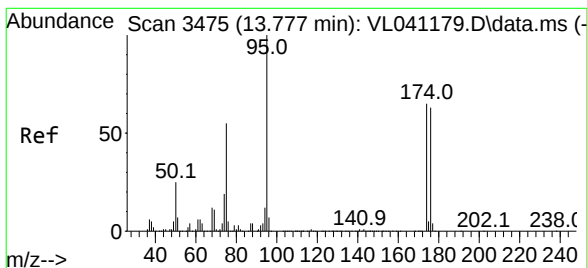
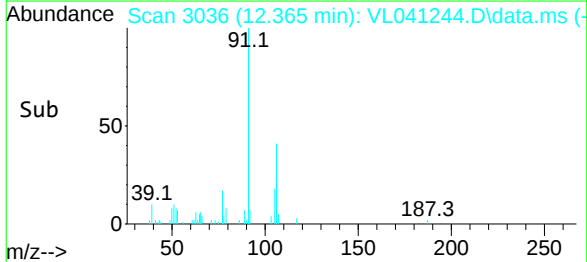
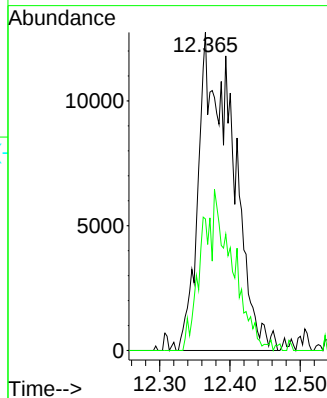
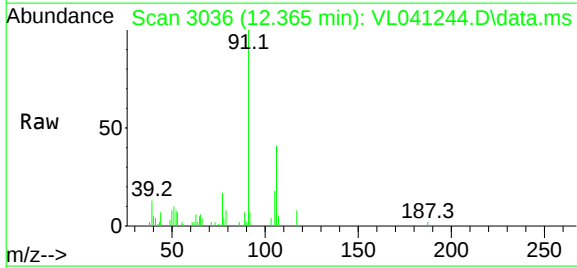
106 0.0 35.7 53.5#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.239 ppbv

RT: 13.802 min Scan# 3483

Delta R.T. 0.006 min

Lab File: VL041244.D

Acq: 8 May 2024 15:11

Tgt Ion: 95 Resp: 1440337

Ion Ratio Lower Upper

95 100

174 64.8 53.6 80.4

175 4.5 4.2 6.4

