

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041226.D
 Acq On : 6 May 2024 20:17
 Operator : SY/MD
 Sample : P2353-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: May 07 05:27:47 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	5.198	49	857136	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2239343	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2060455	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1554771	9.995	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	51375	0.443	ppbv	90
3) Chlorodifluoromethane	2.687	51	62797m	0.482	ppbv	
4) Chloromethane	2.825	50	27962	0.547	ppbv	91
9) Propene	2.716	41	32628	0.640	ppbv #	83
10) Heptane	7.587	43	11741m	0.095	ppbv	
11) Trichlorofluoromethane	3.574	101	29703	0.252	ppbv #	83
13) Ethanol	3.246	45	383565	33.586	ppbv	97
15) Acetone	3.478	43	468137	4.628	ppbv	96
19) Isopropyl Alcohol	3.587	45	286755	4.320	ppbv #	45
20) Methylene Chloride	3.944	84	277954	7.902	ppbv	95
26) Hexane	5.217	57	358216	3.976	ppbv #	41
34) 2-Butanone	4.799	43	33280	0.292	ppbv	92
35) Carbon Tetrachloride	6.503	117	8664m	0.069	ppbv	
36) Benzene	6.378	78	36708m	0.195	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	39790m	0.123	ppbv	
52) Tetrachloroethene	10.622	164	29850m	0.452	ppbv	
53) Toluene	9.224	91	137264m	0.630	ppbv	
58) Ethyl Benzene	12.092	91	23327m	0.083	ppbv	
59) m/p-Xylene	12.349	91	66473m	0.280	ppbv	
60) o-Xylene	13.063	91	27376m	0.123	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	43961m	0.176	ppbv	

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

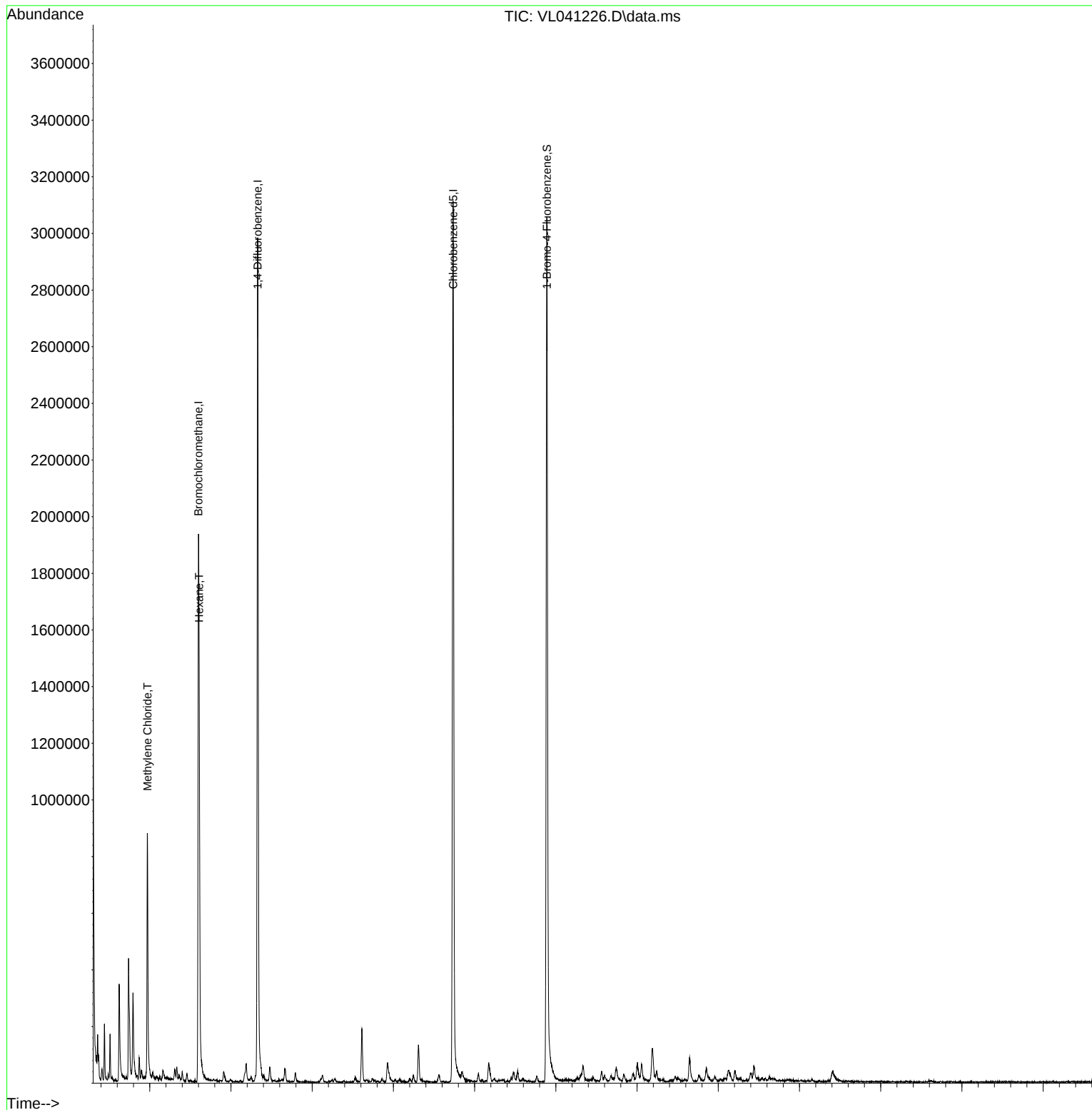
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
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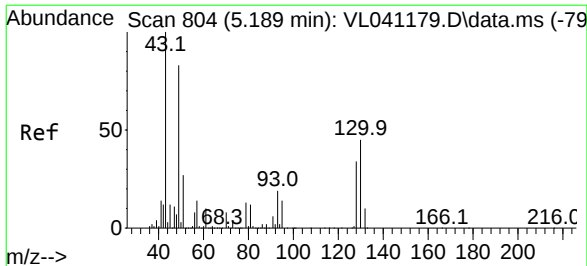
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: May 07 05:27:47 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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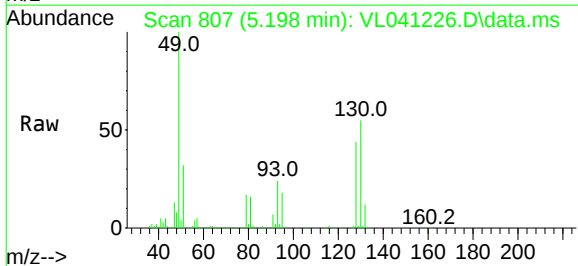
Reviewed By : Semsettin Yesilyurt 05/07/2024
Supervised By : Mahesh Dadoda 05/07/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

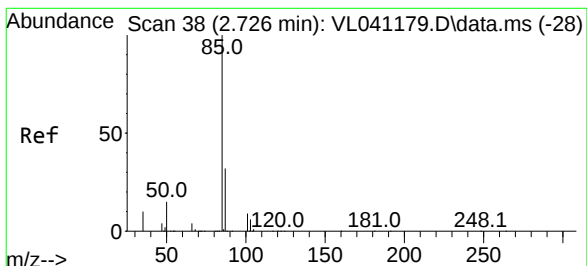
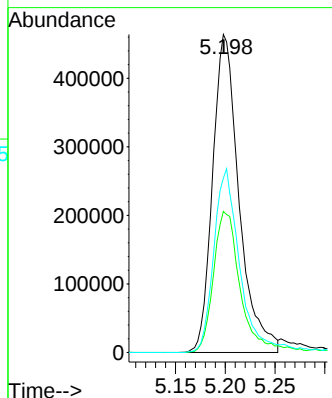
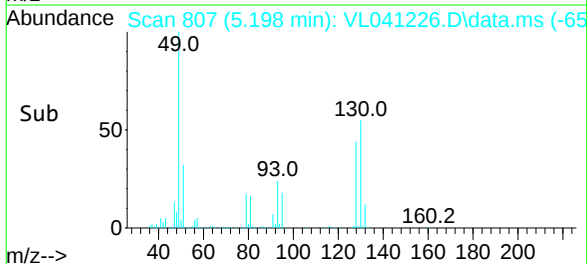
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 857136
Ion Ratio Lower Upper
49 100
128 46.8 21.5 64.5
130 58.4 27.2 81.6

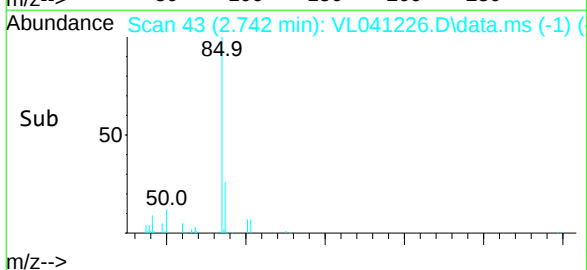
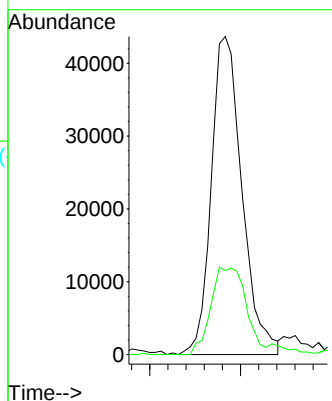
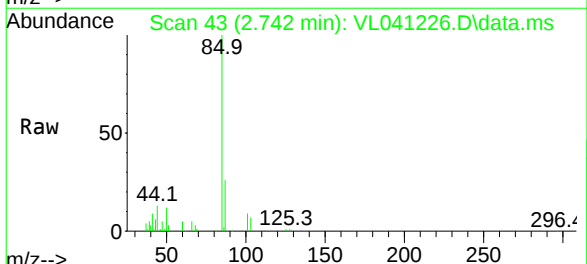
Manual Integrations
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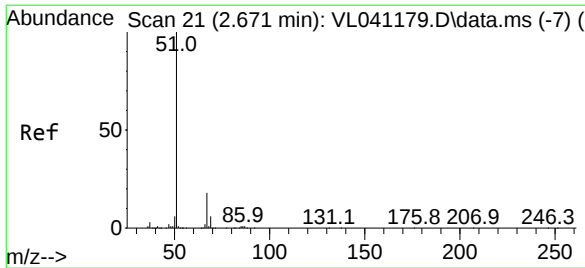
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.443 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

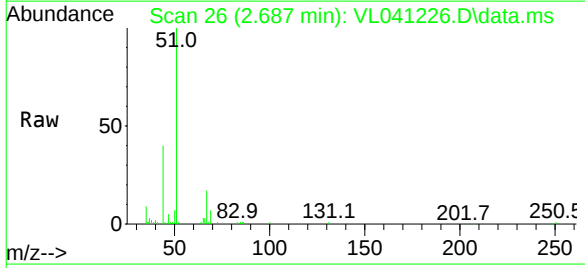
Tgt Ion: 85 Resp: 51375
Ion Ratio Lower Upper
85 100
87 26.4 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.482 ppbv m
RT: 2.687 min Scan# 26
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

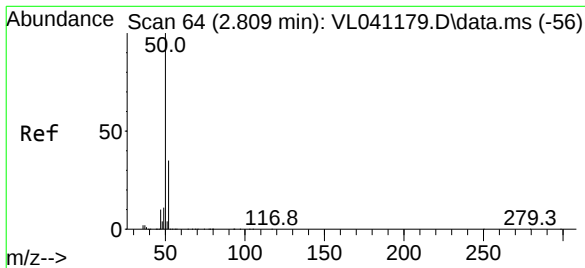
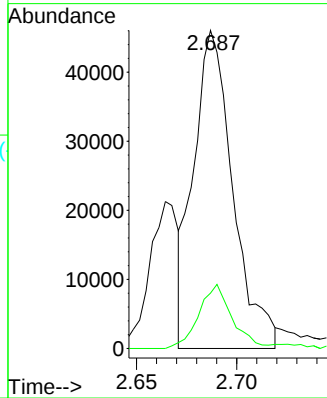
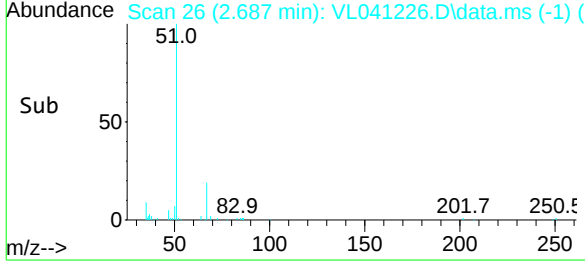
Instrument :
MSVOA_L
ClientSampleId :
IA1



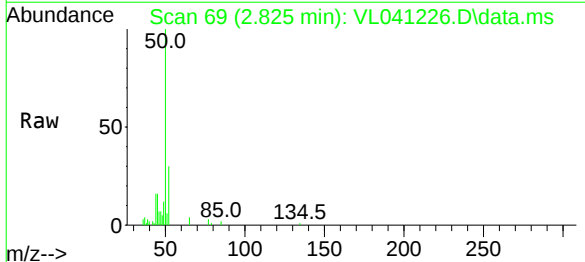
Tgt Ion: 51 Resp: 62797
Ion Ratio Lower Upper
51 100
67 18.7 14.0 21.0

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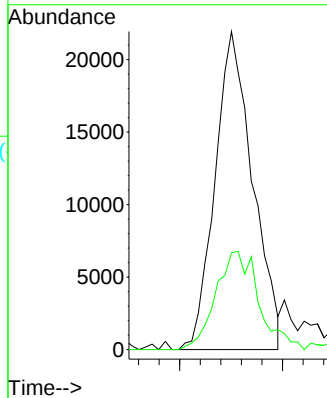
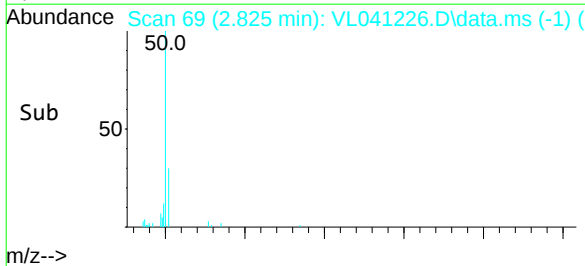
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

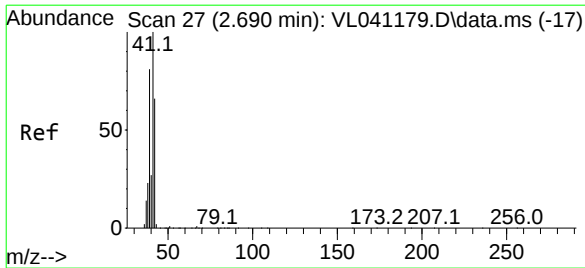


#4
Chloromethane
Concen: 0.547 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17



Tgt Ion: 50 Resp: 27962
Ion Ratio Lower Upper
50 100
52 30.4 28.3 42.5





#9

Propene

Concen: 0.640 ppbv

RT: 2.716 min Scan# 35

Delta R.T. 0.013 min

Lab File: VL041226.D

Acq: 6 May 2024 20:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 32628

Ion Ratio Lower Upper

41 100

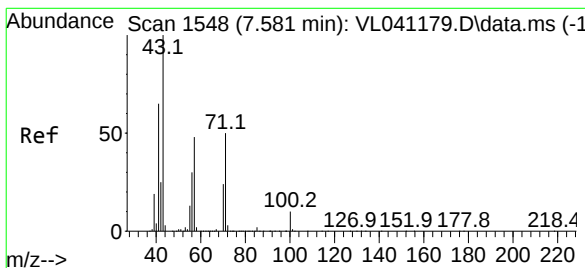
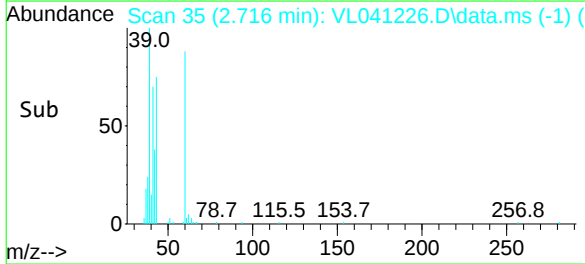
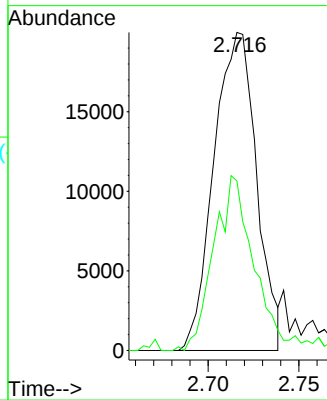
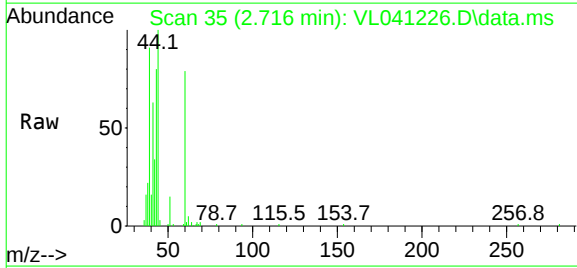
42 54.9 55.3 82.9#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#10

Heptane

Concen: 0.095 ppbv m

RT: 7.587 min Scan# 1550

Delta R.T. 0.010 min

Lab File: VL041226.D

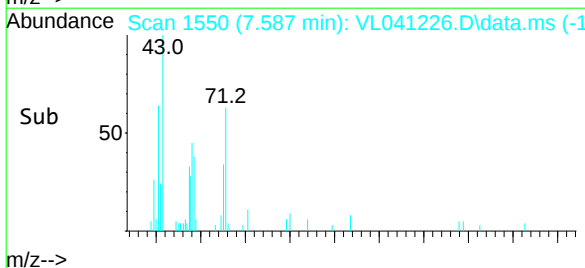
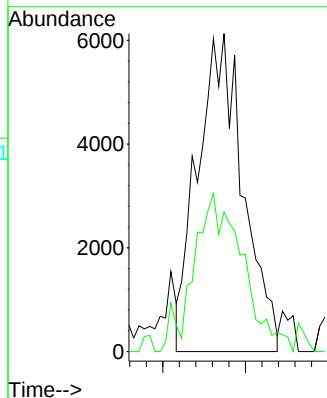
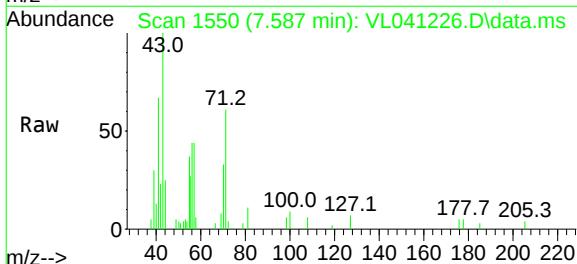
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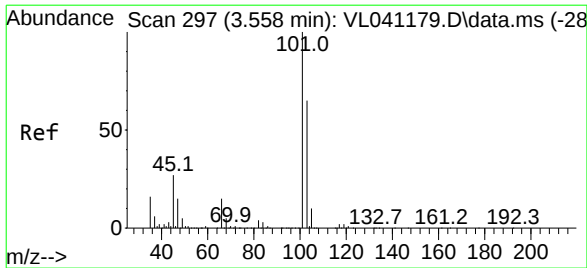
Tgt Ion: 43 Resp: 11741

Ion Ratio Lower Upper

43 100

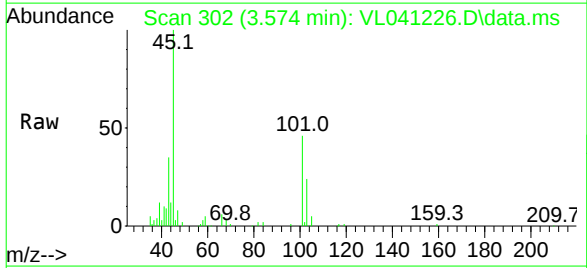
57 57.2 38.7 58.1





#11
Trichlorofluoromethane
Concen: 0.252 ppbv
RT: 3.574 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

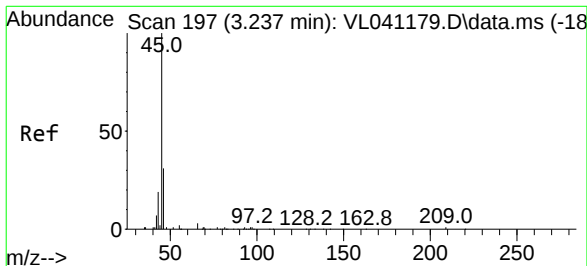
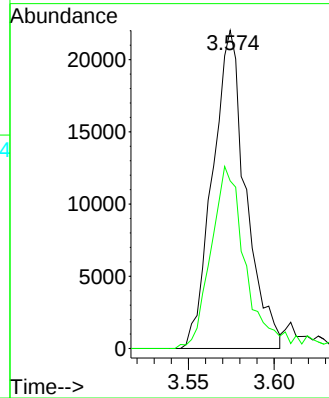
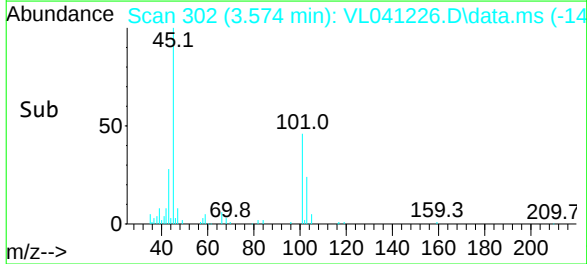
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:101 Resp: 29703
Ion Ratio Lower Upper
101 100
103 51.4 51.6 77.4#

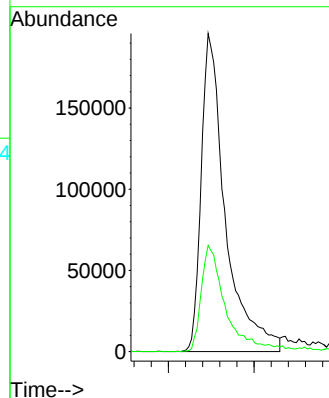
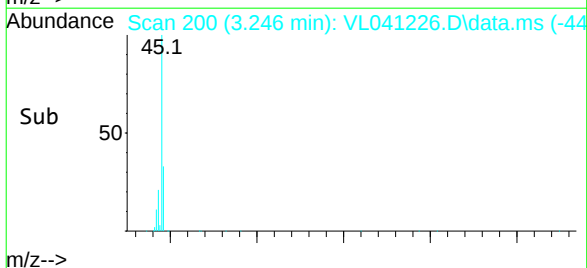
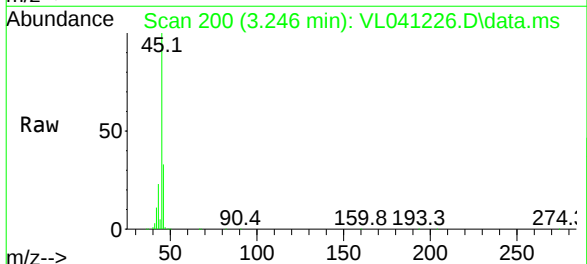
Manual Integrations
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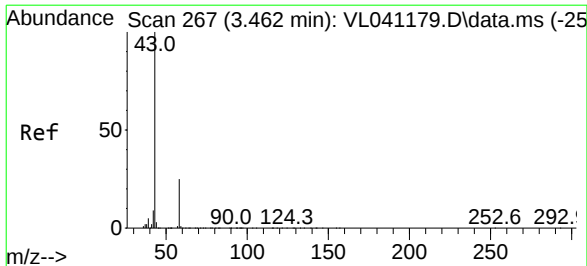
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#13
Ethanol
Concen: 33.586 ppbv
RT: 3.246 min Scan# 200
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

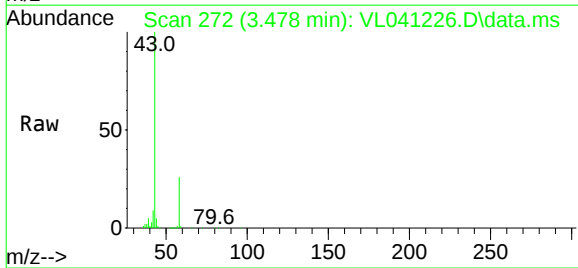
Tgt Ion: 45 Resp: 383565
Ion Ratio Lower Upper
45 100
46 34.9 14.8 59.0





#15
Acetone
Concen: 4.628 ppbv
RT: 3.478 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

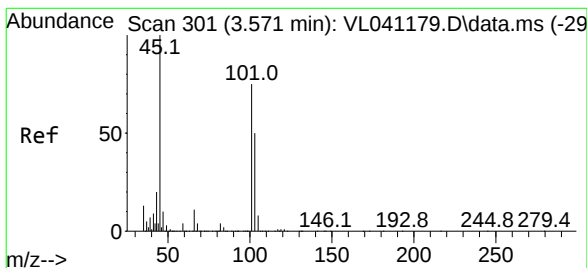
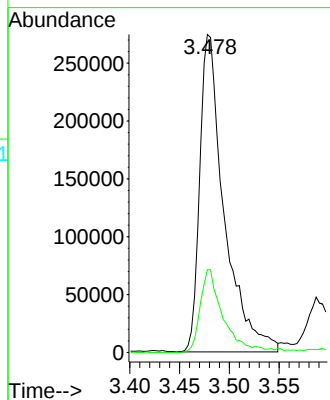
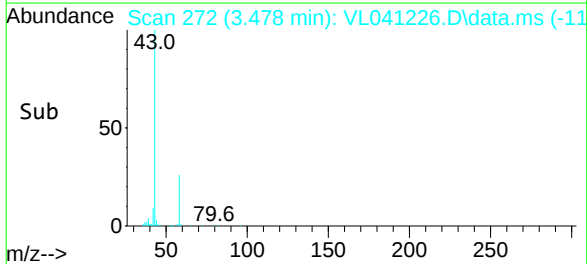
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 468137
Ion Ratio Lower Upper
43 100
58 24.9 21.4 32.0

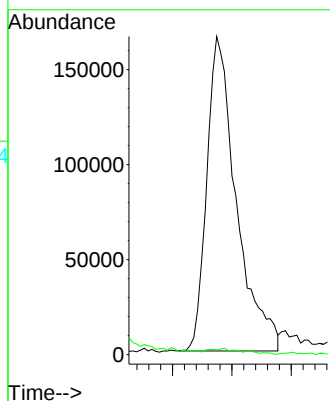
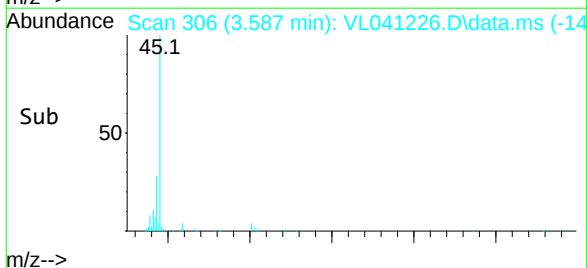
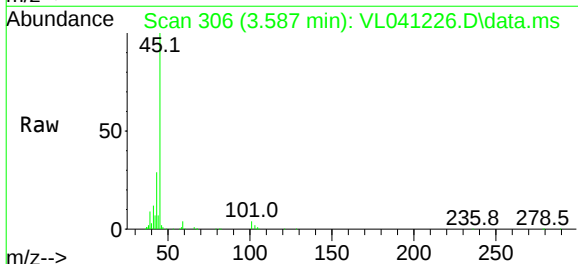
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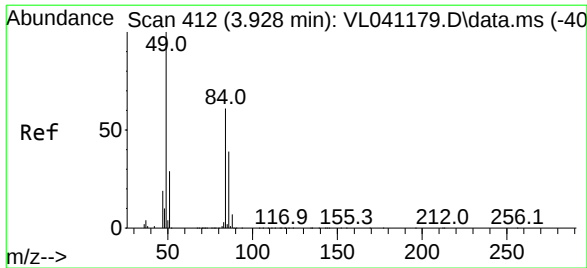
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#19
Isopropyl Alcohol
Concen: 4.320 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.006 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

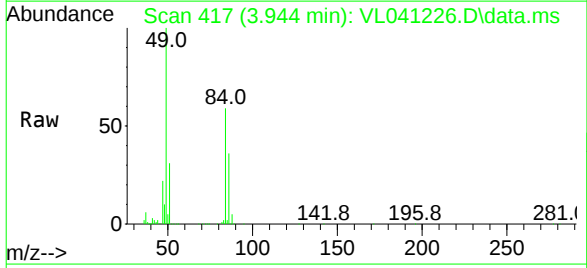
Tgt Ion: 45 Resp: 286755
Ion Ratio Lower Upper
45 100
58 2.2 26.8 40.2#





#20
Methylene Chloride
Concen: 7.902 ppbv
RT: 3.944 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

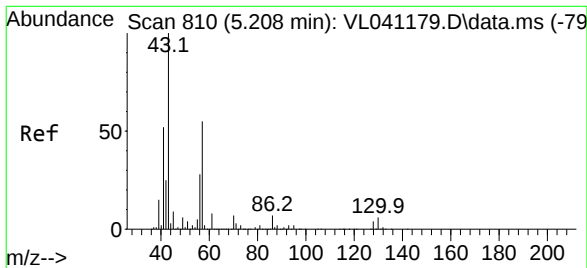
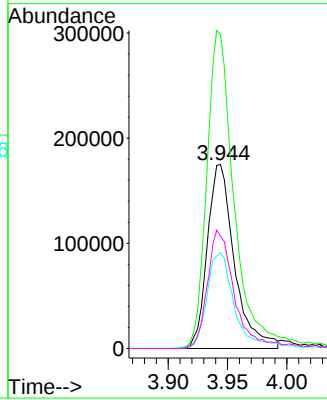
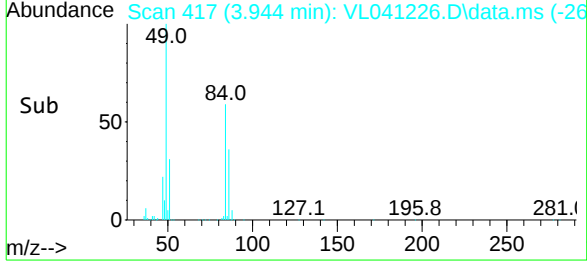
Instrument :
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ClientSampleId :
IA1



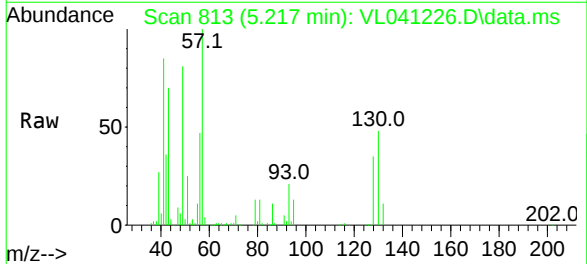
Tgt Ion:	84	Resp:	277954
Ion	Ratio	Lower	Upper
84	100		
49	170.3	130.4	195.6
51	51.9	38.0	57.0
86	61.1	50.3	75.5

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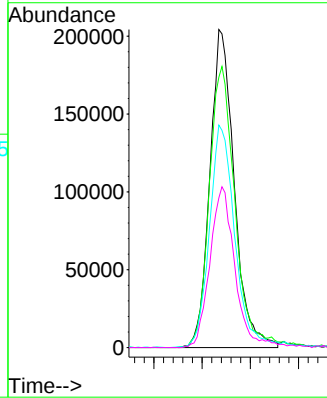
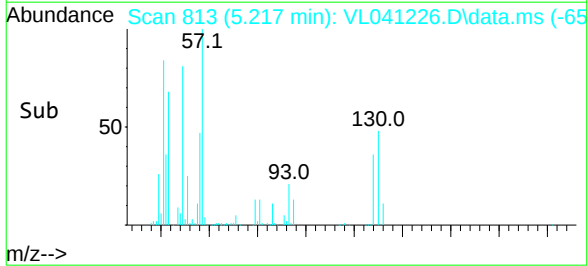
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

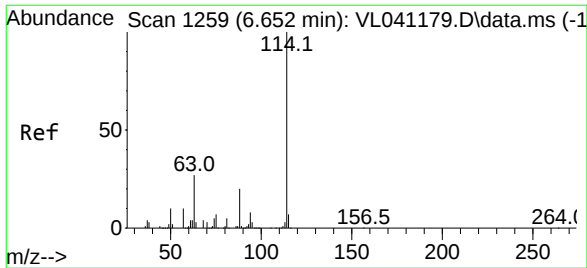


#26
Hexane
Concen: 3.976 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17



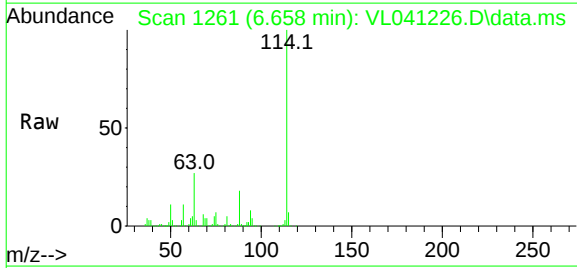
Tgt Ion:	57	Resp:	358216
Ion	Ratio	Lower	Upper
57	100		
41	93.9	75.8	113.8
43	73.7	187.0	280.4#
56	52.3	42.7	64.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

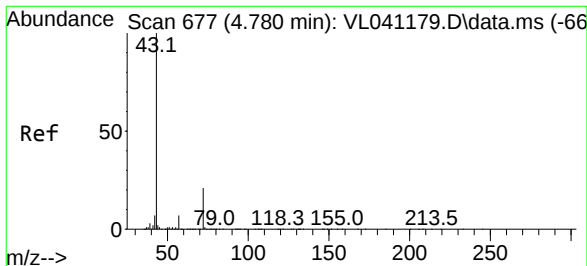
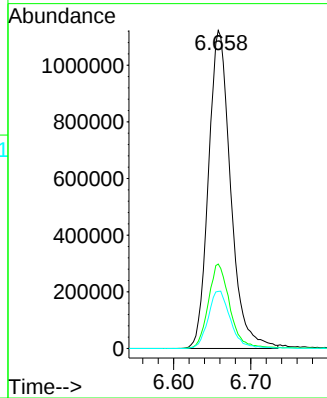
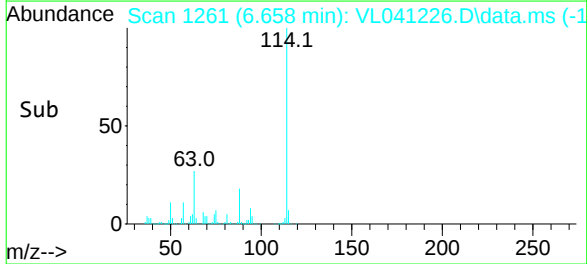
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:114 Resp: 2239343
Ion Ratio Lower Upper
114 100
63 26.1 21.8 32.6
88 18.3 15.2 22.8

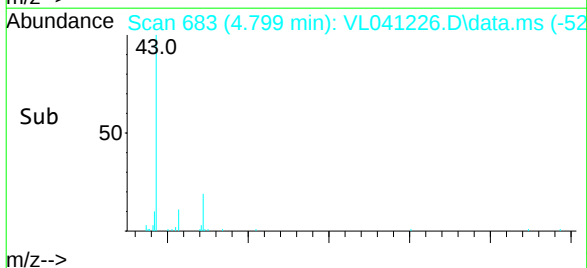
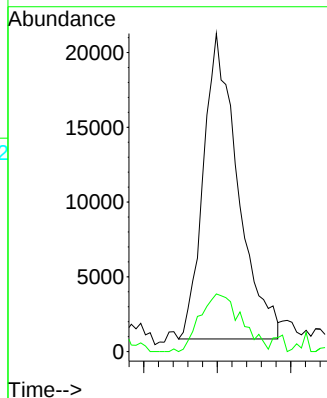
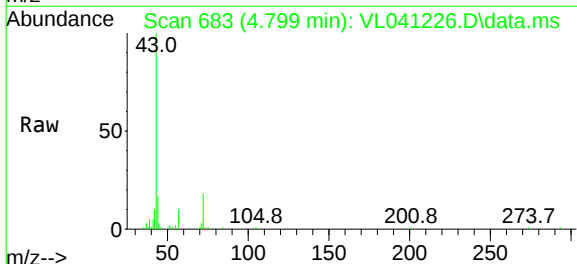
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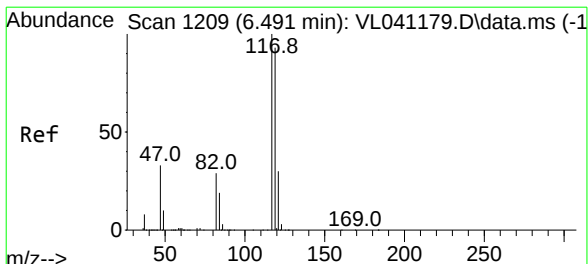
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#34
2-Butanone
Concen: 0.292 ppbv
RT: 4.799 min Scan# 683
Delta R.T. 0.013 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

Tgt Ion: 43 Resp: 33280
Ion Ratio Lower Upper
43 100
72 25.6 17.3 25.9





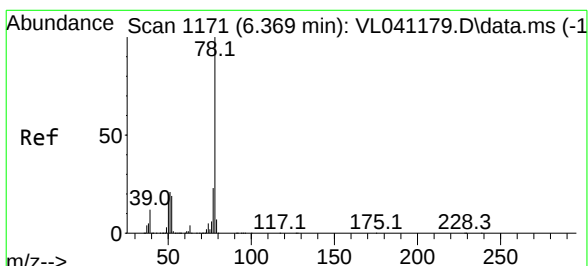
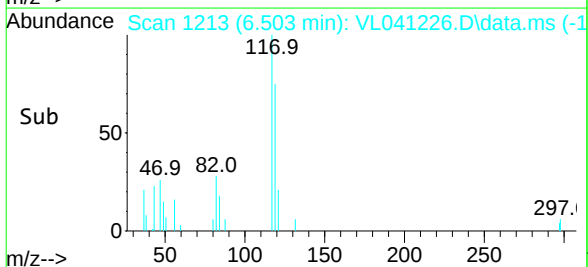
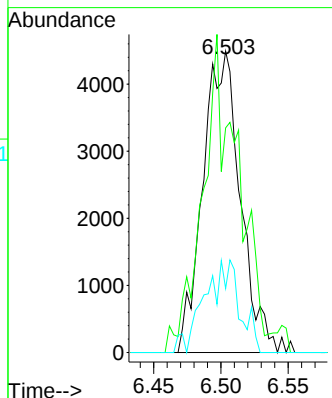
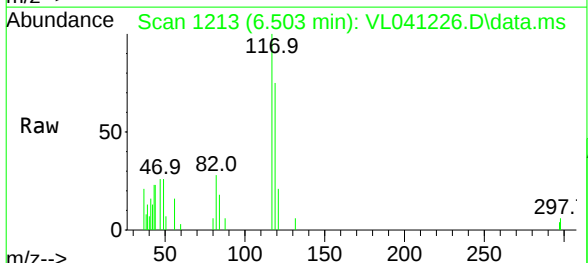
#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 6.503 min Scan# 1213
Delta R.T. 0.010 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion:	117	Resp:	8664
Ion	Ratio	Lower	Upper
117	100		
119	74.5	74.3	111.5
121	21.2	23.8	35.8

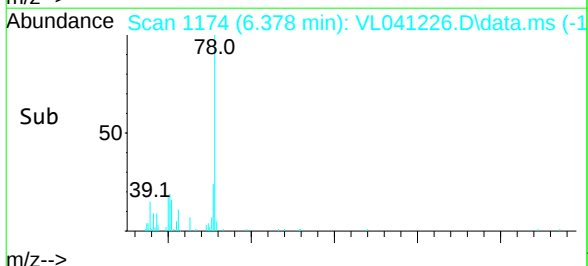
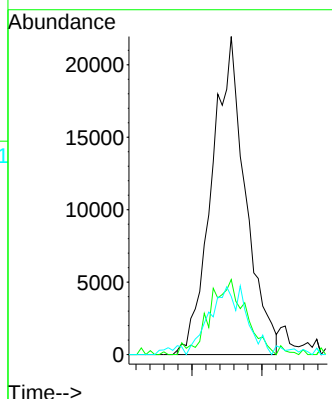
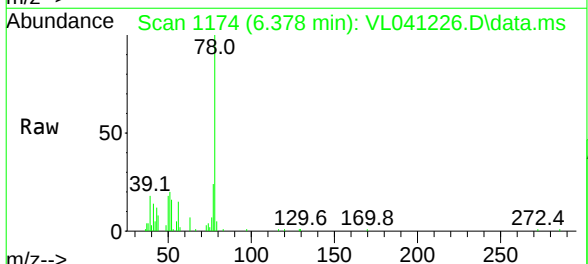
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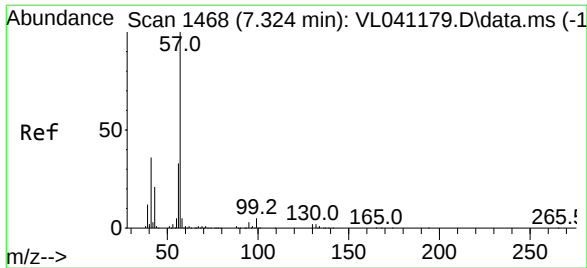
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#36
Benzene
Concen: 0.195 ppbv m
RT: 6.378 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

Tgt Ion:	78	Resp:	36708
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5
50	18.3	15.9	23.9





#44

2,2,4-Trimethylpentane

Concen: 0.123 ppbv m

RT: 7.330 min Scan# 14

Delta R.T. 0.003 min

Lab File: VL041226.D

Acq: 6 May 2024 20:17

Instrument :

MSVOA_L

ClientSampleId :

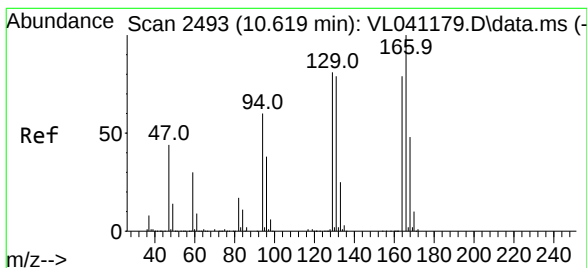
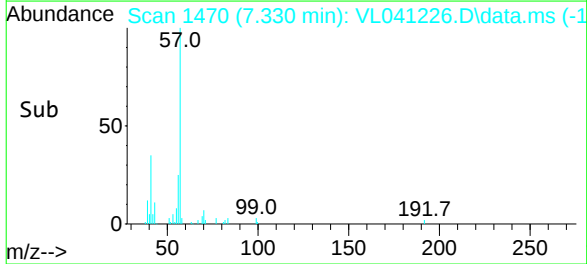
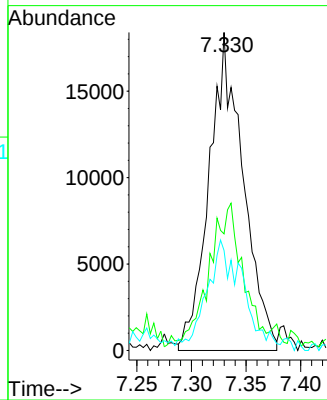
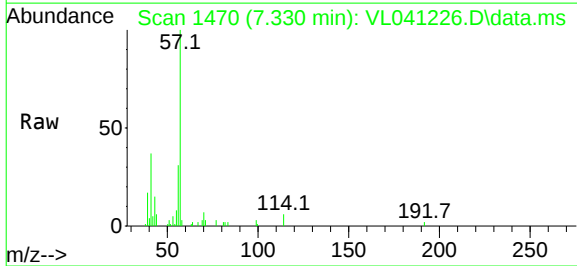
IA1

Tgt Ion:	57	Resp:	39790
Ion	Ratio	Lower	Upper
57	100		
41	0.0	29.5	44.3
56	39.3	25.3	37.9

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



#52

Tetrachloroethene

Concen: 0.452 ppbv m

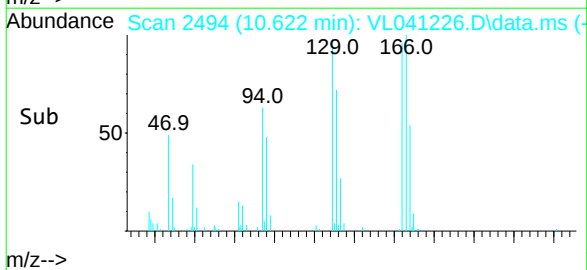
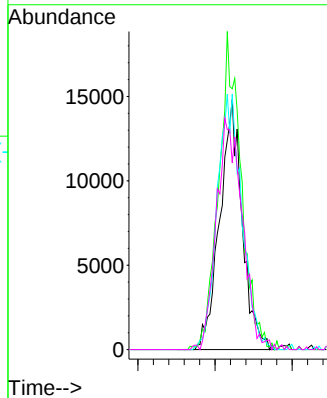
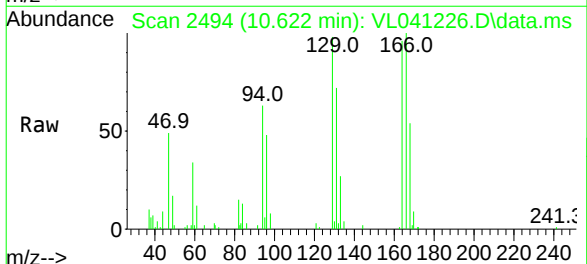
RT: 10.622 min Scan# 2494

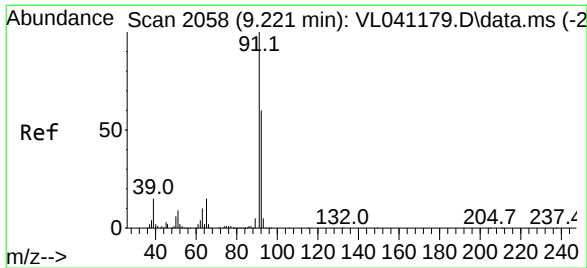
Delta R.T. 0.010 min

Lab File: VL041226.D

Acq: 6 May 2024 20:17

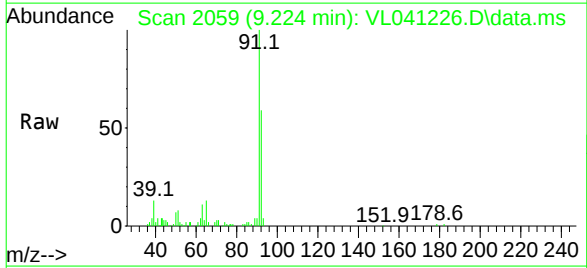
Tgt Ion:	164	Resp:	29850
Ion	Ratio	Lower	Upper
164	100		
166	104.3	101.1	151.7
129	102.1	81.7	122.5
131	74.7	80.4	120.6





#53
Toluene
Concen: 0.630 ppbv m
RT: 9.224 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17

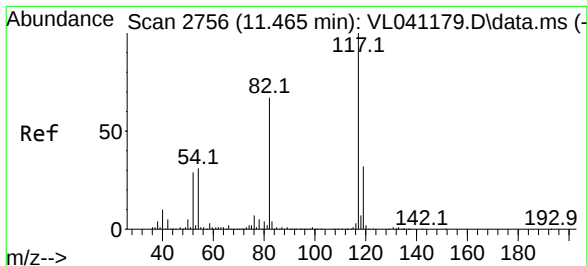
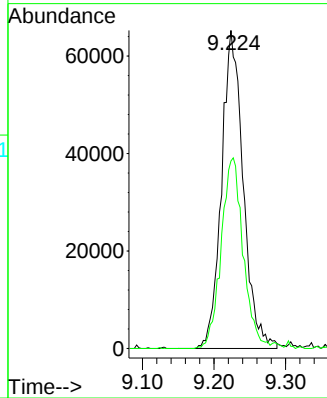
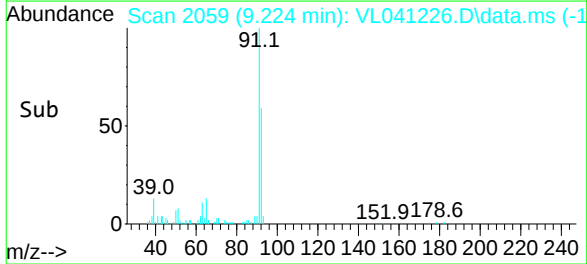
Instrument : MSVOA_L
ClientSampleId : IA1



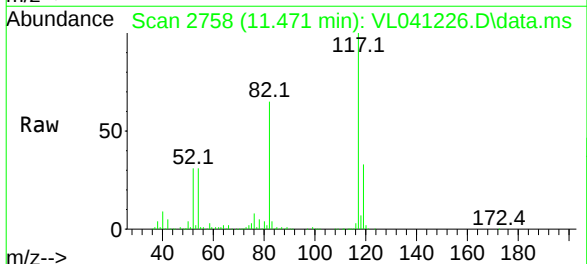
Tgt Ion: 91 Resp: 137264
Ion Ratio Lower Upper
91 100
92 61.9 48.2 72.4

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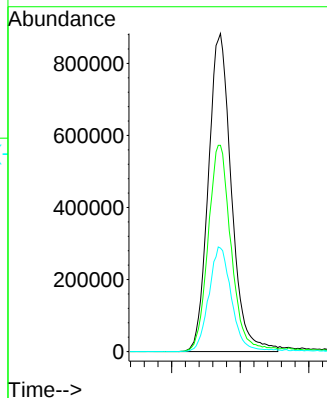
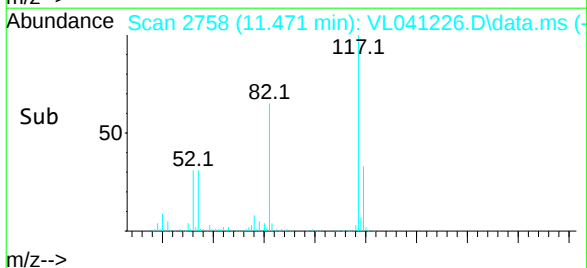
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

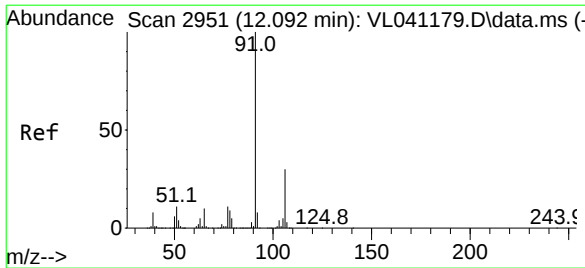


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.006 min
Lab File: VL041226.D
Acq: 6 May 2024 20:17



Tgt Ion:117 Resp: 2060455
Ion Ratio Lower Upper
117 100
82 66.2 53.6 80.4
119 33.0 27.2 40.8





#58

Ethyl Benzene

Concen: 0.083 ppbv m

RT: 12.092 min Scan# 2951

Delta R.T. 0.006 min

Lab File: VL041226.D

Acq: 6 May 2024 20:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 23327

Ion Ratio Lower Upper

91 100

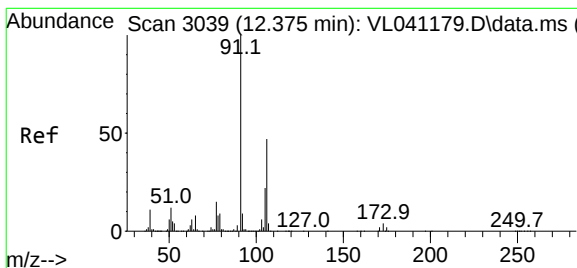
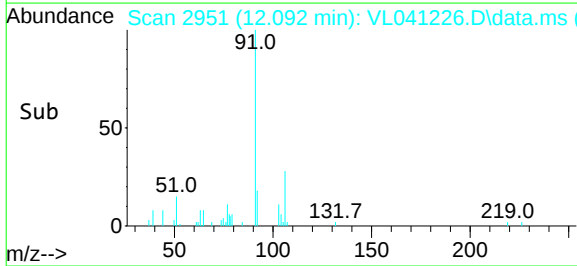
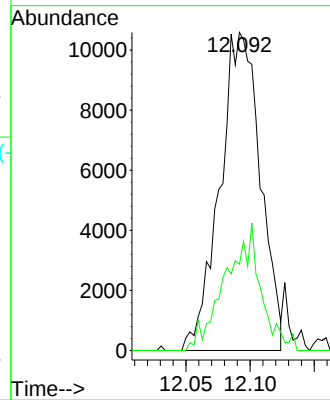
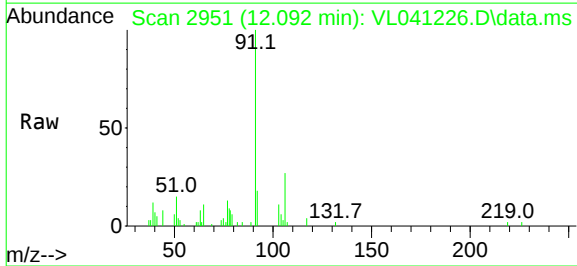
106 27.1 24.3 36.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#59

m/p-Xylene

Concen: 0.280 ppbv m

RT: 12.349 min Scan# 3031

Delta R.T. -0.019 min

Lab File: VL041226.D

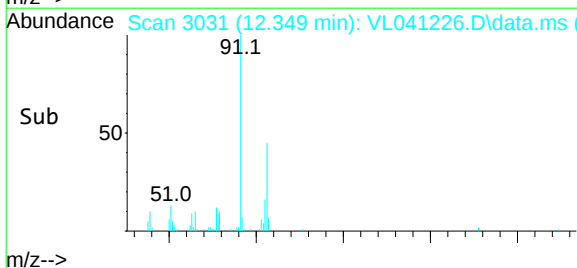
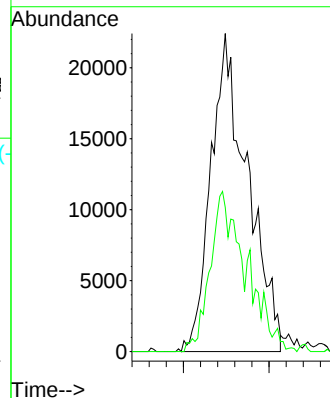
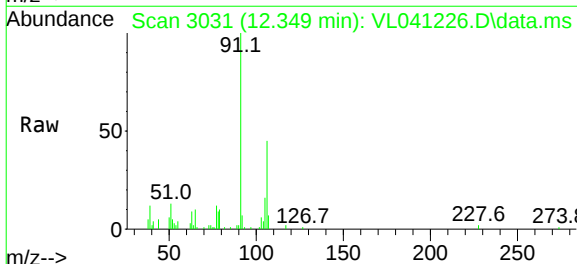
Acq: 6 May 2024 20:17

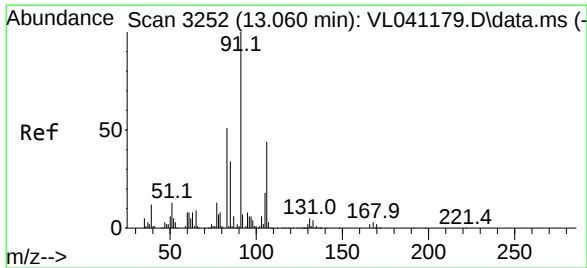
Tgt Ion: 91 Resp: 66473

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#





#60

o-Xylene

Concen: 0.123 ppbv m

RT: 13.063 min Scan# 3252

Delta R.T. 0.006 min

Lab File: VL041226.D

Acq: 6 May 2024 20:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 27376

Ion Ratio Lower Upper

91 100

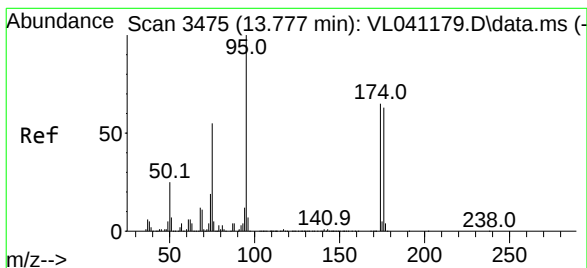
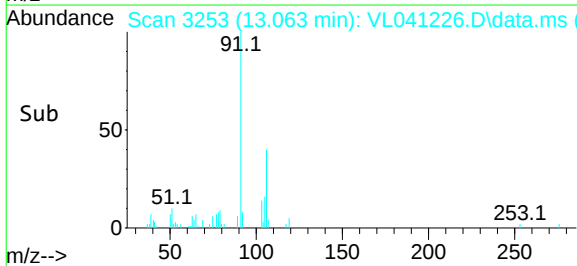
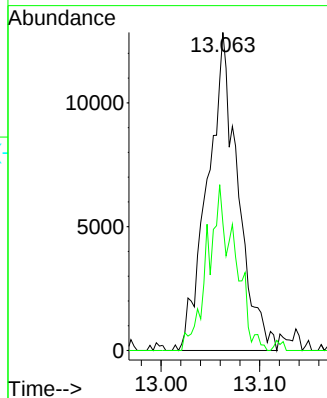
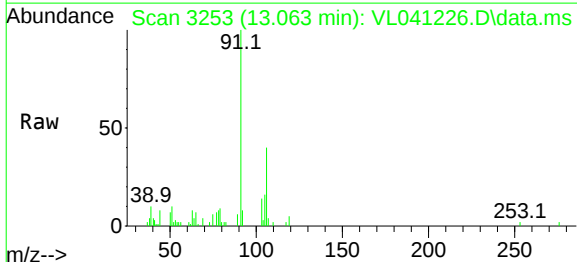
106 48.3 22.4 67.3

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Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.995 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.006 min

Lab File: VL041226.D

Acq: 6 May 2024 20:17

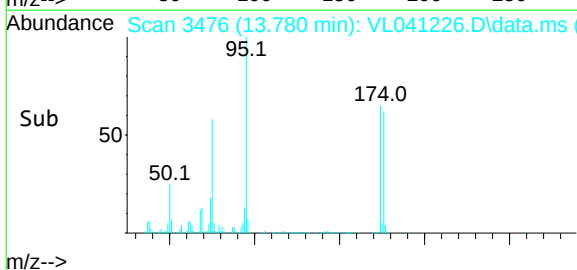
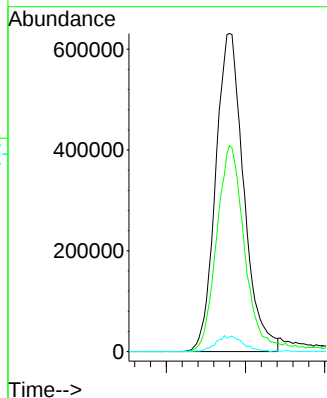
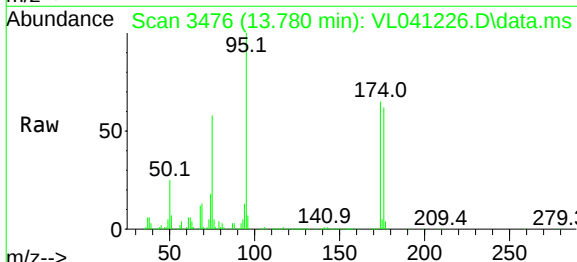
Tgt Ion: 95 Resp: 1554771

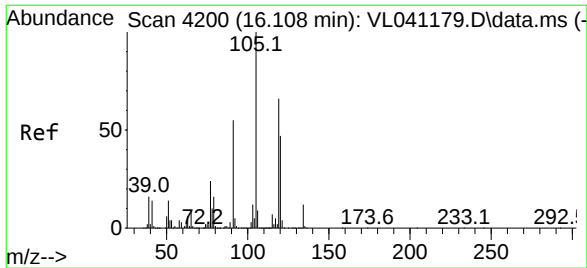
Ion Ratio Lower Upper

95 100

174 67.4 53.6 80.4

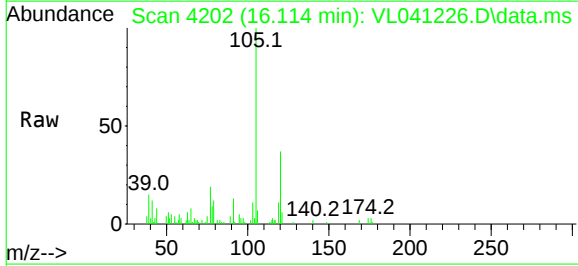
175 4.8 4.2 6.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.176 ppbv m
 RT: 16.114 min Scan# 42
 Delta R.T. 0.010 min
 Lab File: VL041226.D
 Acq: 6 May 2024 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt	Ion:105	Resp:	43961
Ion	Ratio	Lower	Upper
105	100		
120	37.1	37.8	56.6#
91	12.9	44.3	66.5#
77	19.0	19.0	28.4

Manual Integrations
 APPROVED

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

