

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
 Data File : VL041174.D
 Acq On : 25 Apr 2024 17:16
 Operator : SY/MD
 Sample : P2253-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/26/2024
 Supervised By :Mahesh Dadoda 04/26/2024

Quant Time: Apr 26 03:15:20 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 26 03:09:28 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1166244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3075960	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2705266	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2123195	9.760	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.738	85	66838	0.335	ppbv	93
3) Chlorodifluoromethane	2.658	51	138955	0.774	ppbv #	75
4) Chloromethane	2.816	50	45217	0.665	ppbv	93
9) Propene	2.710	41	94344m	1.651	ppbv	
10) Heptane	7.568	43	15675m	0.116	ppbv	
11) Trichlorofluoromethane	3.558	101	54160	0.299	ppbv	96
13) Ethanol	3.240	45	535315	39.386	ppbv	99
15) Acetone	3.468	43	785248	6.218	ppbv	98
19) Isopropyl Alcohol	3.574	45	1520945	19.826	ppbv #	96
20) Methylene Chloride	3.928	84	1314293	25.235	ppbv	96
23) Vinyl Acetate	4.607	43	43593	0.338	ppbv #	71
26) Hexane	5.205	57	1075865	10.110	ppbv #	41
30) Cyclohexane	6.590	84	9071m	0.105	ppbv	
34) 2-Butanone	4.783	43	55252m	0.424	ppbv	
35) Carbon Tetrachloride	6.481	117	13072m	0.075	ppbv	
36) Benzene	6.359	78	50265m	0.223	ppbv	
44) 2,2,4-Trimethylpentane	7.307	57	78583m	0.210	ppbv	
53) Toluene	9.201	91	108463	0.456	ppbv	98
59) m/p-Xylene	12.352	91	107350m	0.401	ppbv	

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

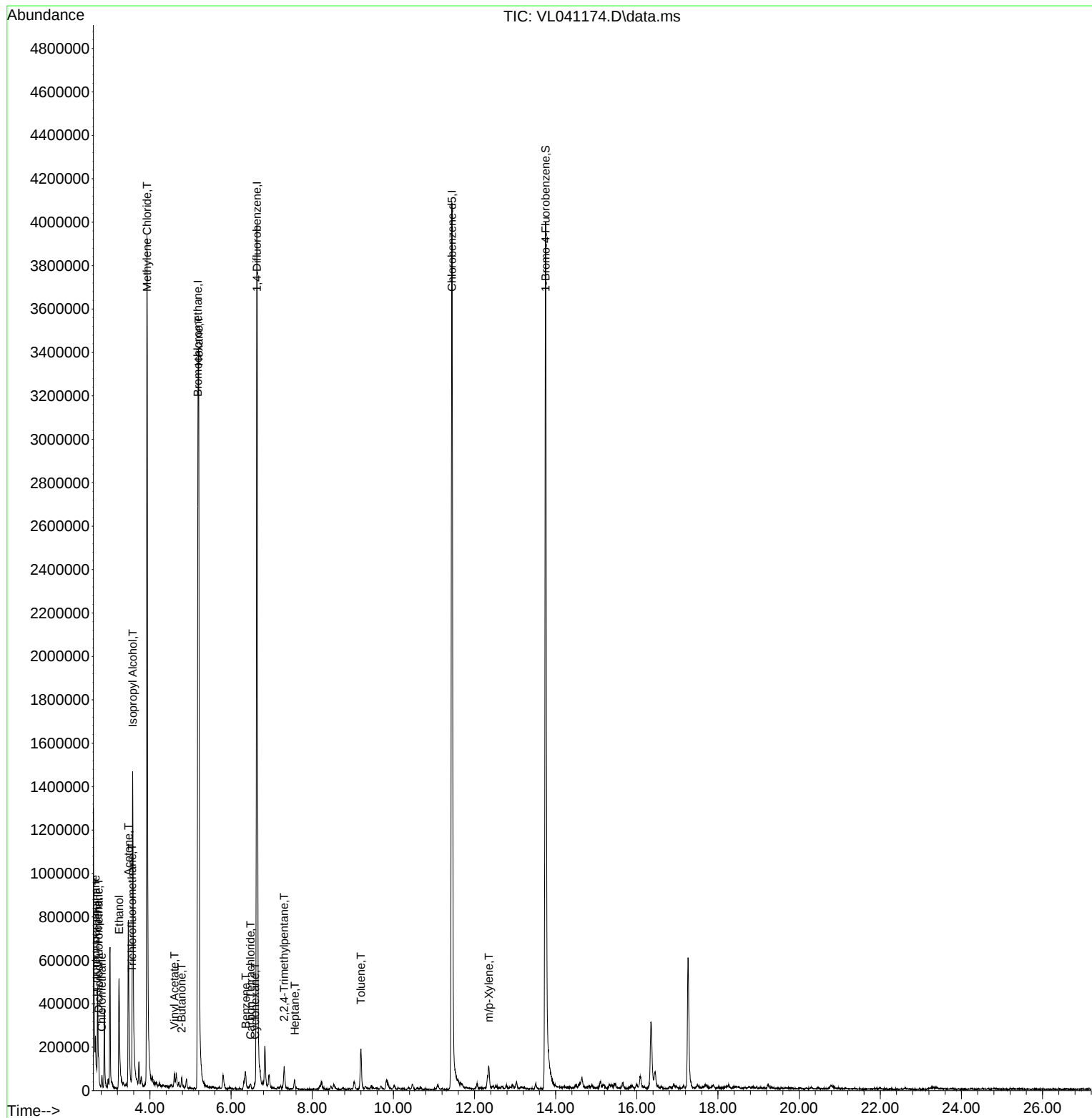
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
Data File : VL041174.D
Acq On : 25 Apr 2024 17:16
Operator : SY/MD
Sample : P2253-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

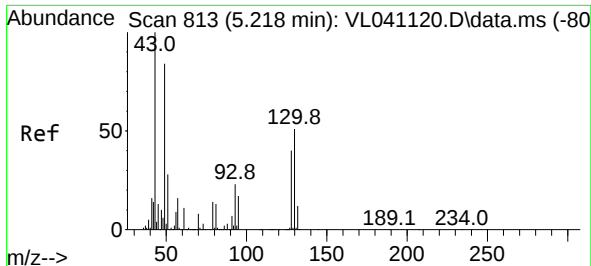
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Apr 26 03:15:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 26 03:09:28 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

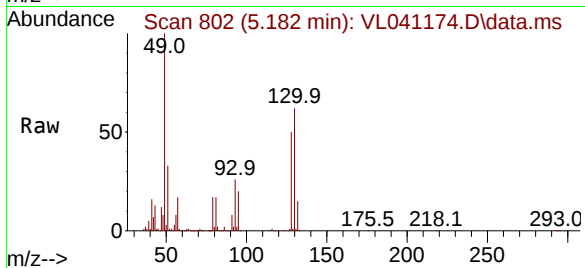
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

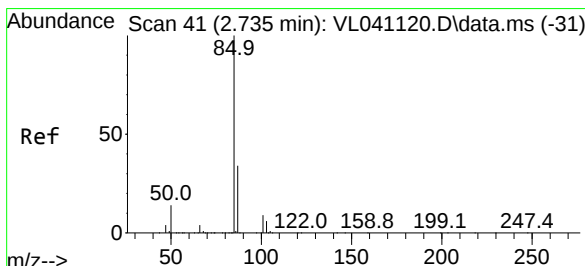
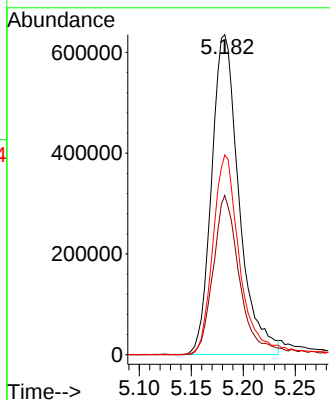
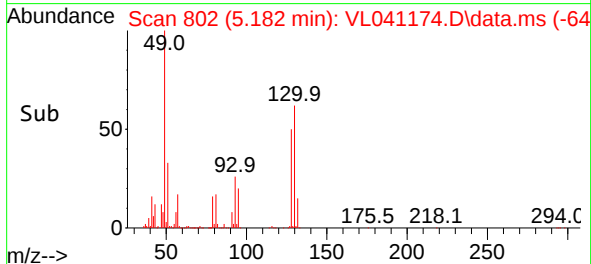
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 1166244
Ion Ratio Lower Upper
49 100
128 49.5 23.6 71.0
130 63.8 30.1 90.5

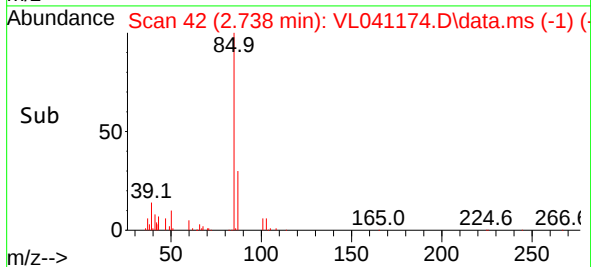
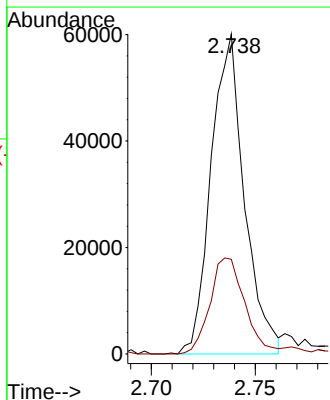
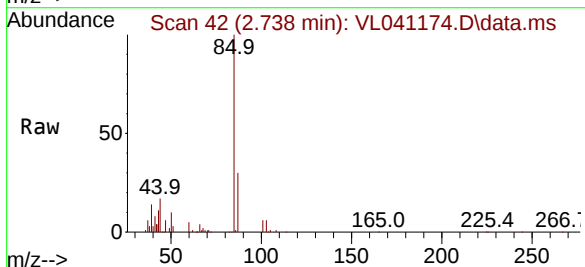
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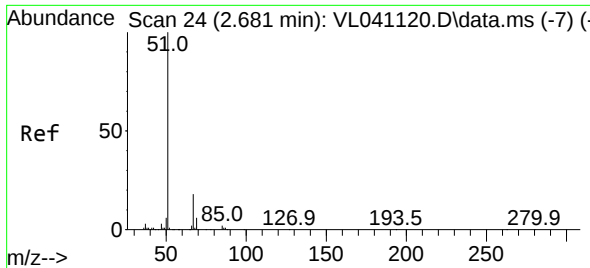
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#2
Dichlorodifluoromethane
Concen: 0.335 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.010 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

Tgt Ion: 85 Resp: 66838
Ion Ratio Lower Upper
85 100
87 29.6 27.0 40.6





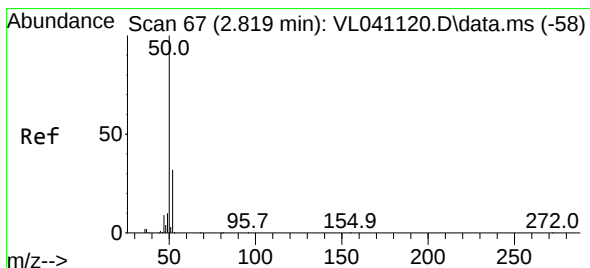
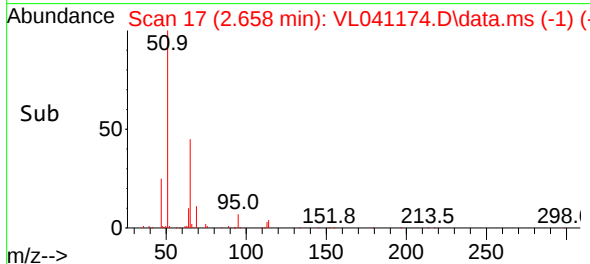
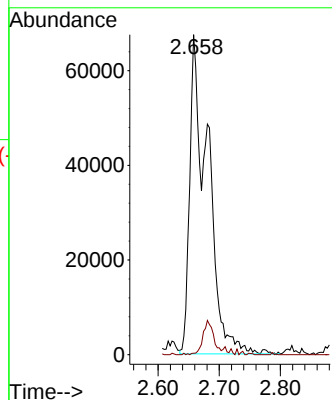
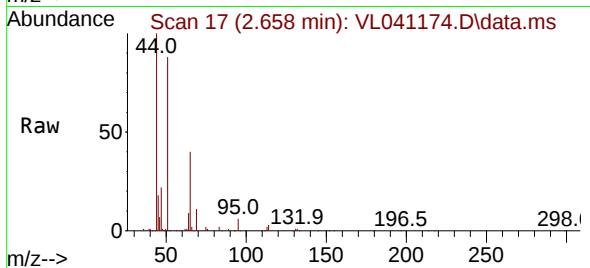
#3
Chlorodifluoromethane
Concen: 0.774 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 13895
Ion Ratio Lower Upper
51 100
67 7.4 14.9 22.3

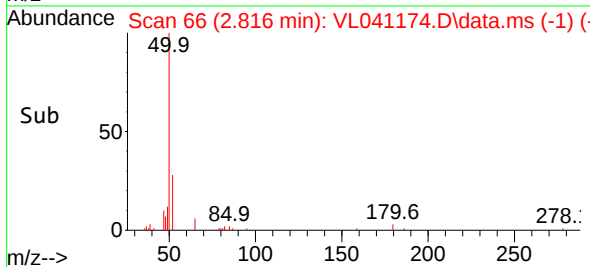
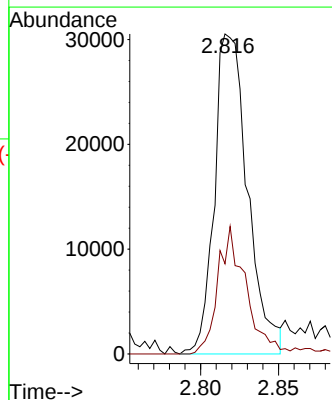
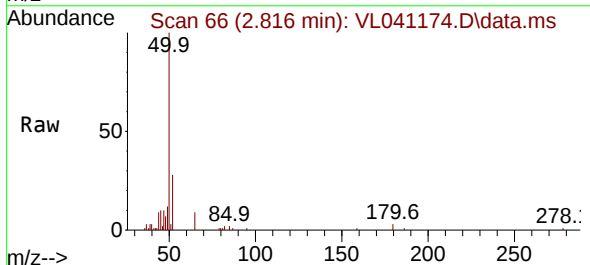
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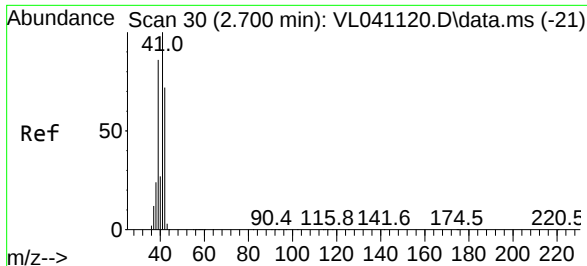
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#4
Chloromethane
Concen: 0.665 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.007 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

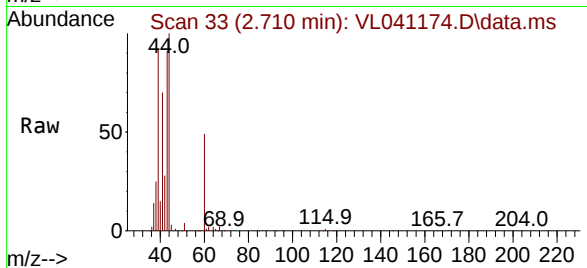
Tgt Ion: 50 Resp: 45217
Ion Ratio Lower Upper
50 100
52 28.4 26.0 39.0





#9
Propene
Concen: 1.651 ppbv m
RT: 2.710 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

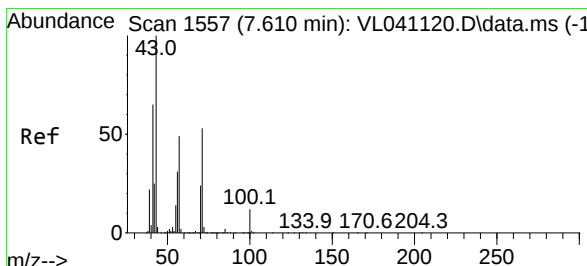
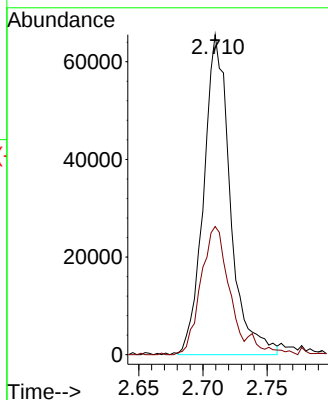
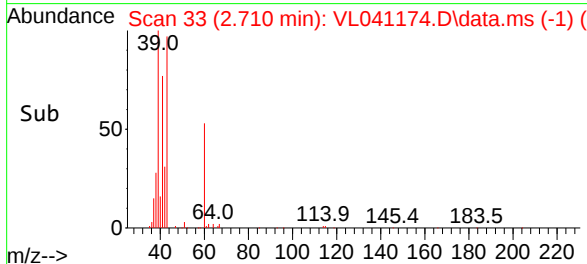
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 41 Resp: 94344
Ion Ratio Lower Upper
41 100
42 60.5 60.1 90.1

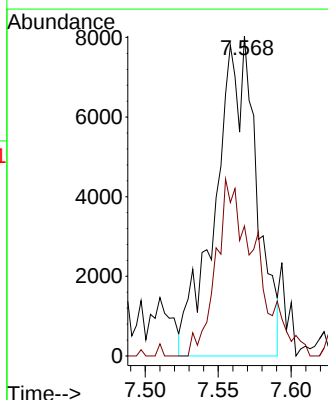
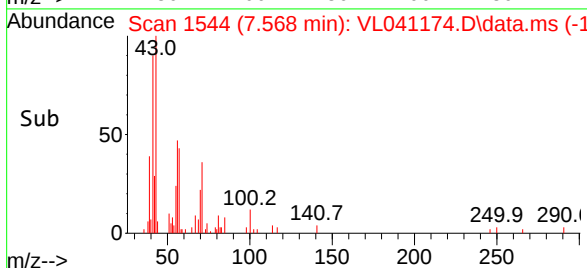
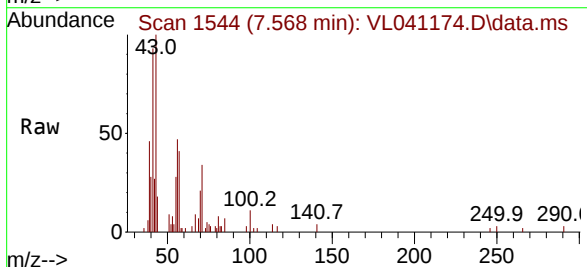
Manual Integrations
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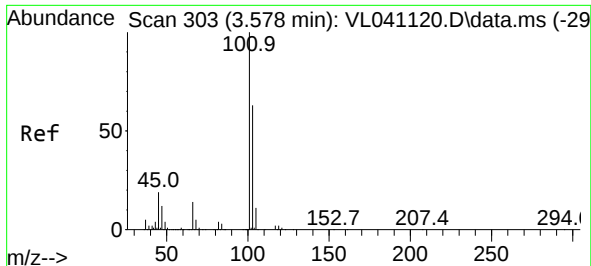
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#10
Heptane
Concen: 0.116 ppbv m
RT: 7.568 min Scan# 1544
Delta R.T. 0.010 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

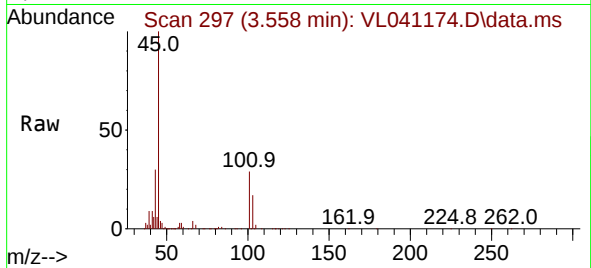
Tgt Ion: 43 Resp: 15675
Ion Ratio Lower Upper
43 100
57 0.0 39.9 59.9#





#11
Trichlorofluoromethane
Concen: 0.299 ppbv
RT: 3.558 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

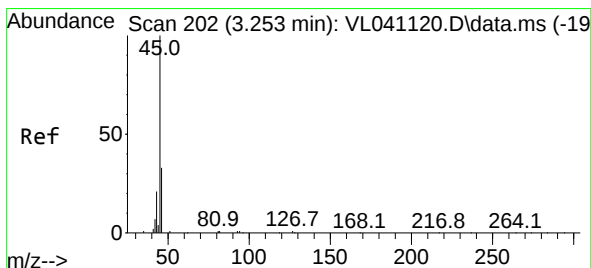
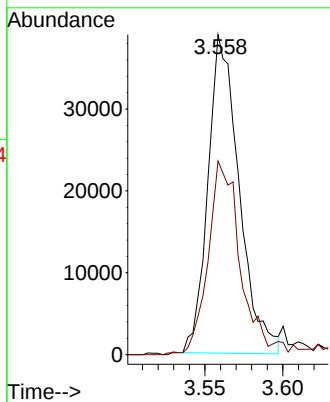
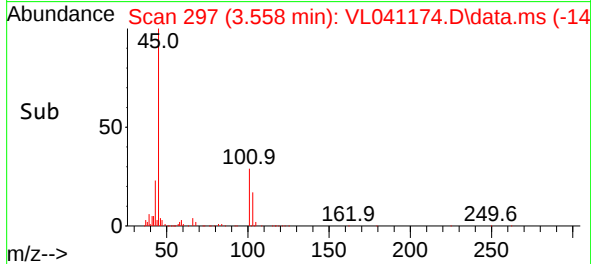
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:101 Resp: 54160
Ion Ratio Lower Upper
101 100
103 60.3 50.6 75.8

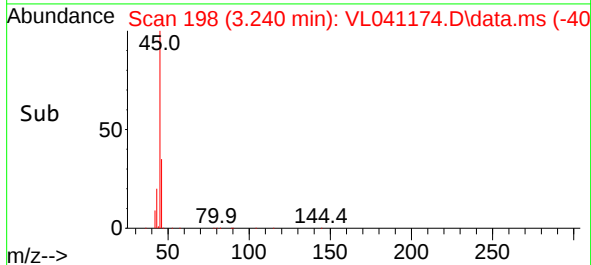
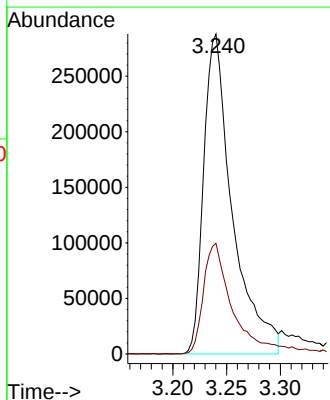
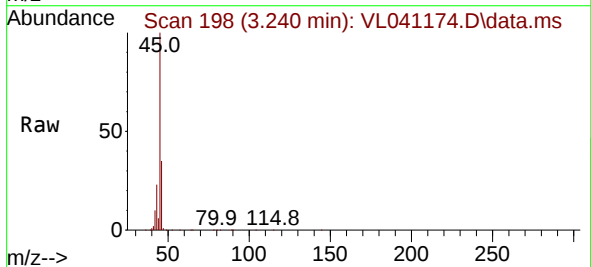
Manual Integrations
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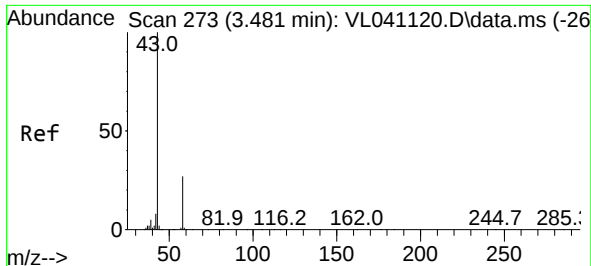
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#13
Ethanol
Concen: 39.386 ppbv
RT: 3.240 min Scan# 198
Delta R.T. 0.006 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

Tgt Ion: 45 Resp: 535315
Ion Ratio Lower Upper
45 100
46 36.8 15.0 59.8





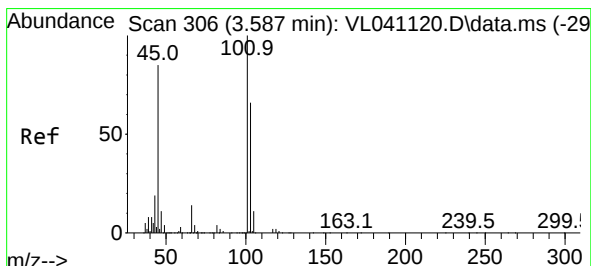
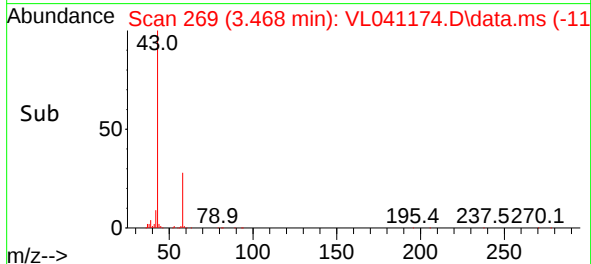
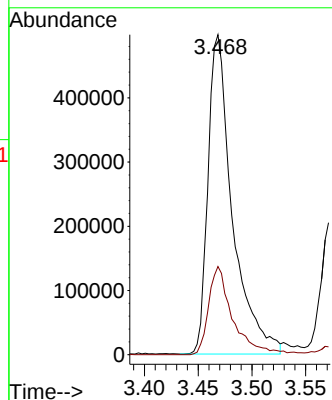
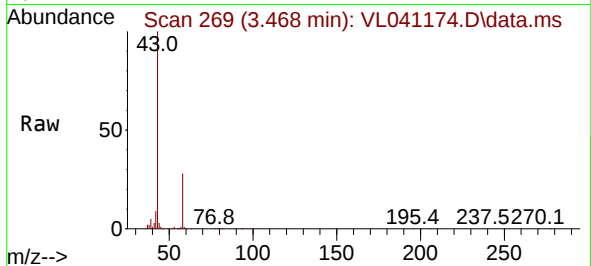
#15
Acetone
Concen: 6.218 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 785248
Ion Ratio Lower Upper
43 100
58 27.5 21.1 31.7

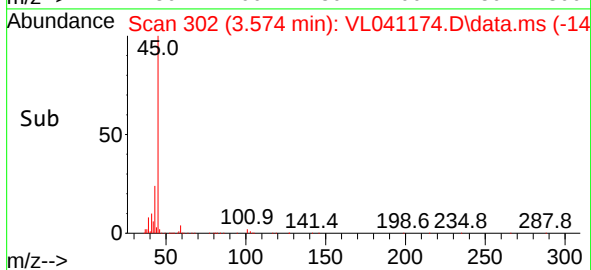
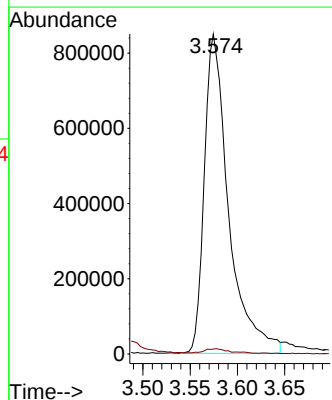
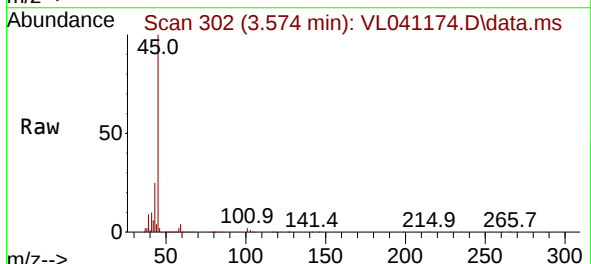
Manual Integrations
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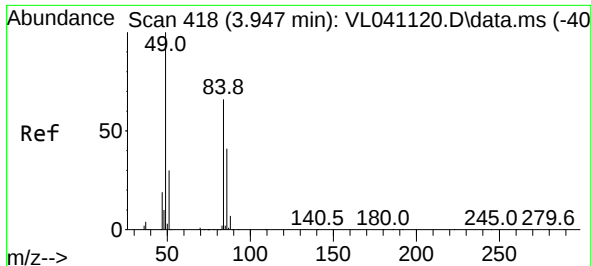
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#19
Isopropyl Alcohol
Concen: 19.826 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.006 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

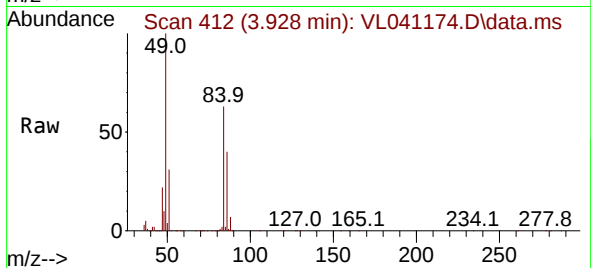
Tgt Ion: 45 Resp: 1520945
Ion Ratio Lower Upper
45 100
58 2.3 2.8 4.2#





#20
Methylene Chloride
Concen: 25.235 ppbv
RT: 3.928 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

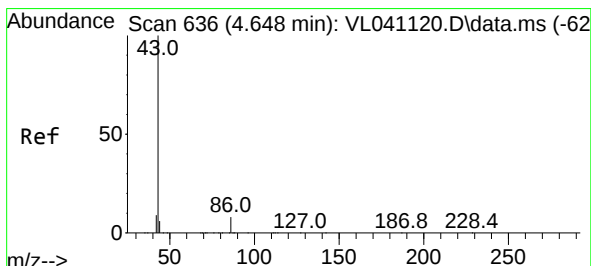
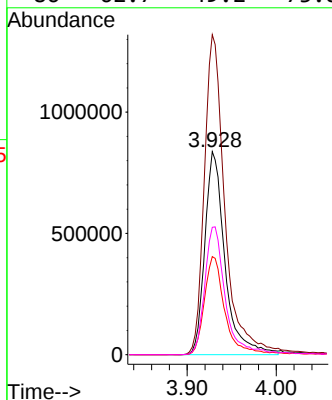
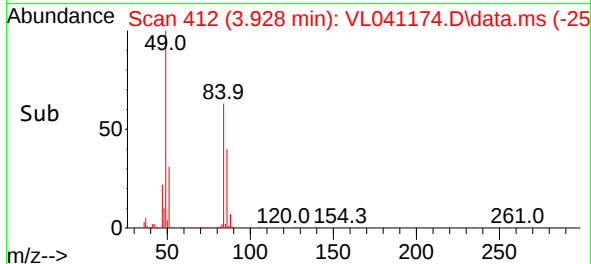
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 131429
Ion Ratio Lower Upper
84 100
49 157.6 120.7 181.1
51 48.3 36.6 54.8
86 62.7 49.2 73.8

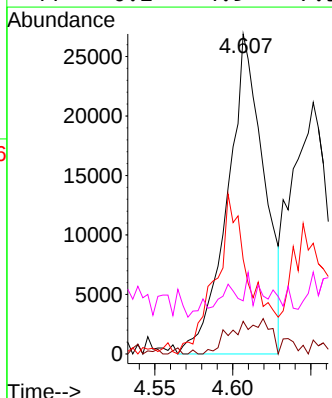
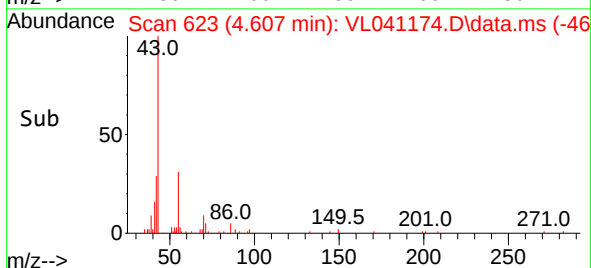
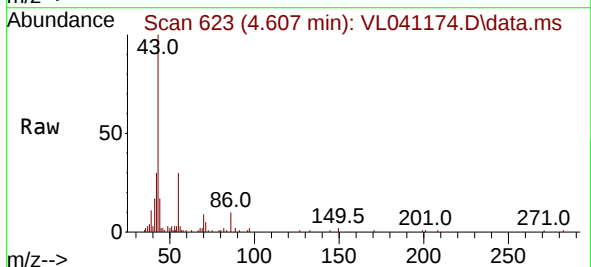
Manual Integrations
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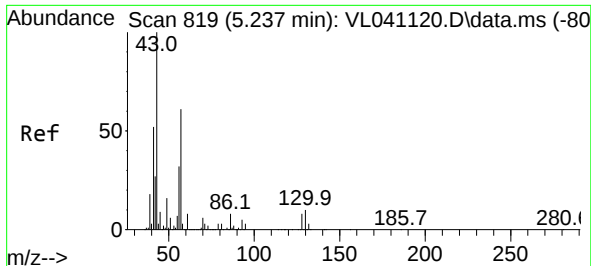
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#23
Vinyl Acetate
Concen: 0.338 ppbv
RT: 4.607 min Scan# 623
Delta R.T. -0.006 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

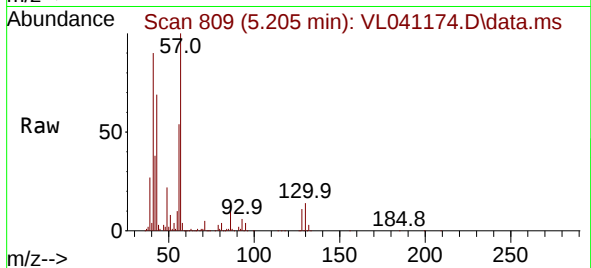
Tgt Ion: 43 Resp: 43593
Ion Ratio Lower Upper
43 100
86 10.2 6.2 9.4#
42 29.6 7.7 11.5#
44 0.2 4.9 7.3#





#26
Hexane
Concen: 10.110 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.010 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

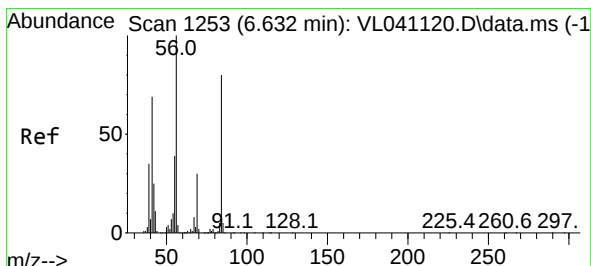
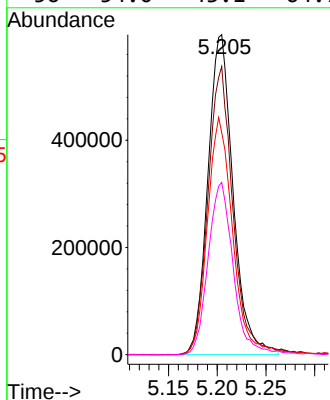
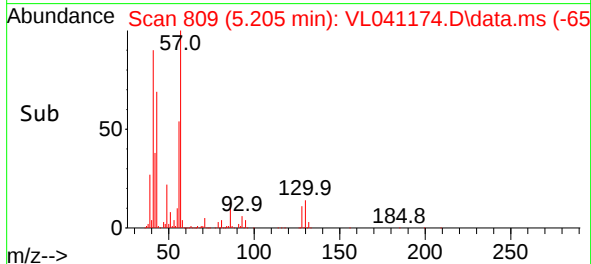
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 107586
Ion Ratio Lower Upper
57 100
41 90.3 73.8 110.8
43 74.8 186.2 279.2
56 54.0 43.1 64.7

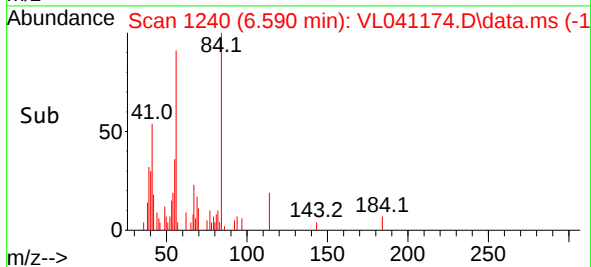
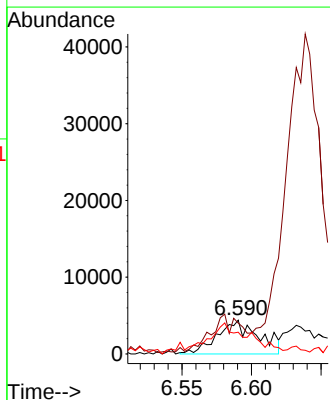
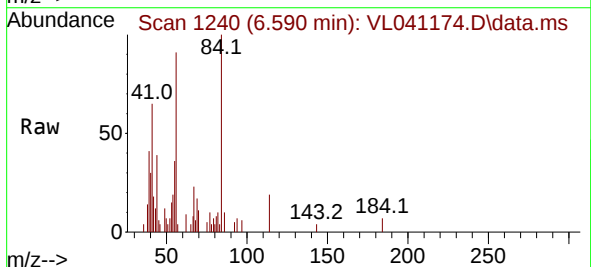
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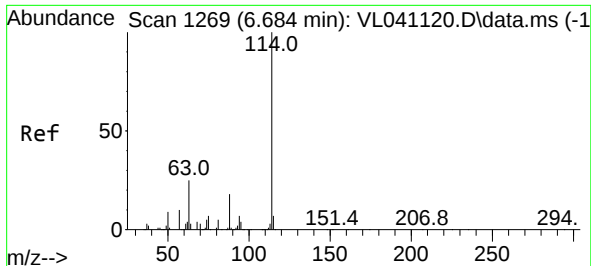
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#30
Cyclohexane
Concen: 0.105 ppbv m
RT: 6.590 min Scan# 1240
Delta R.T. 0.010 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

Tgt Ion: 84 Resp: 9071
Ion Ratio Lower Upper
84 100
56 87.1 111.9 167.9#
41 116.5 71.0 106.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041174.D

Acq: 25 Apr 2024 17:16

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 307596

Ion Ratio Lower Upper

114 100

63 24.5 20.9 31.3

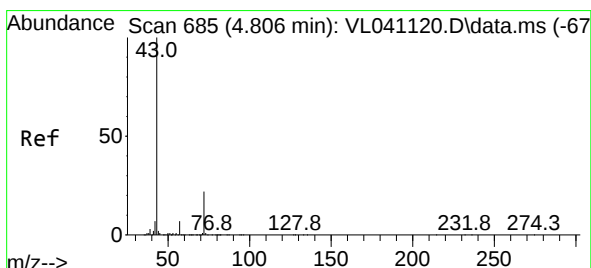
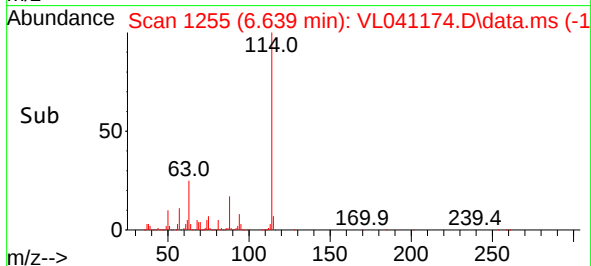
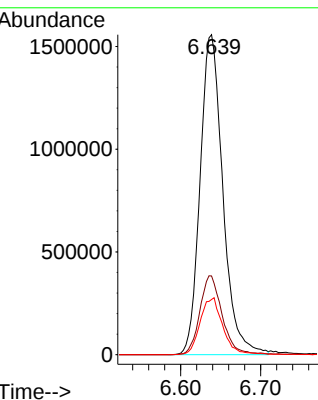
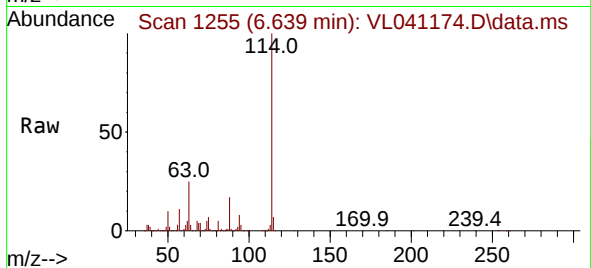
88 17.9 14.5 21.7

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Reviewed By :Semsettin Yesilyurt 04/26/2024

Supervised By :Mahesh Dadoda 04/26/2024



#34

2-Butanone

Concen: 0.424 ppbv m

RT: 4.783 min Scan# 678

Delta R.T. 0.013 min

Lab File: VL041174.D

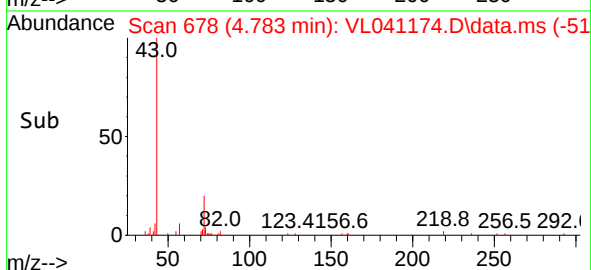
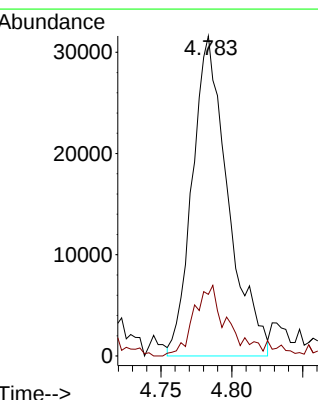
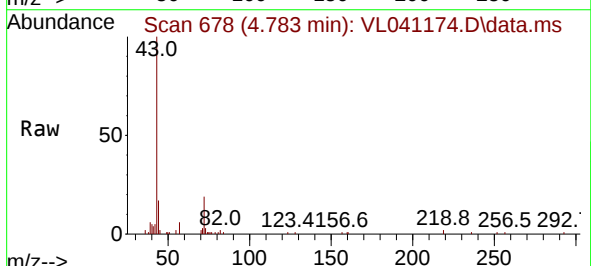
Acq: 25 Apr 2024 17:16

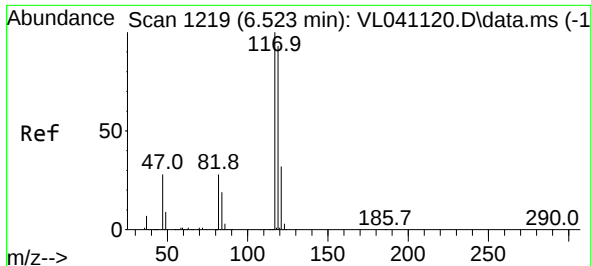
Tgt Ion: 43 Resp: 55252

Ion Ratio Lower Upper

43 100

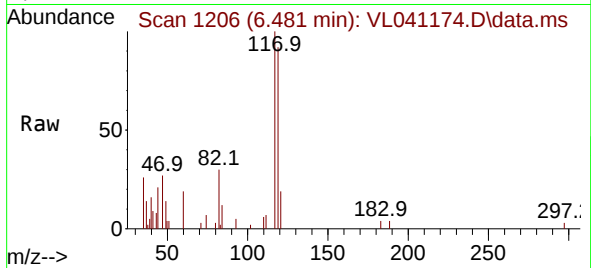
72 23.9 17.6 26.4





#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.481 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

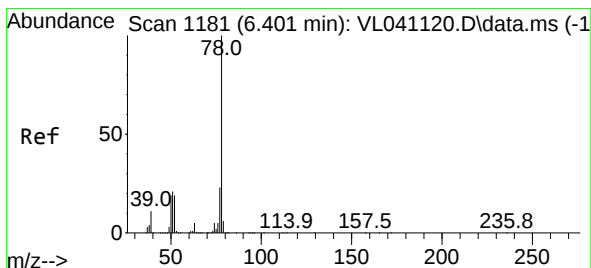
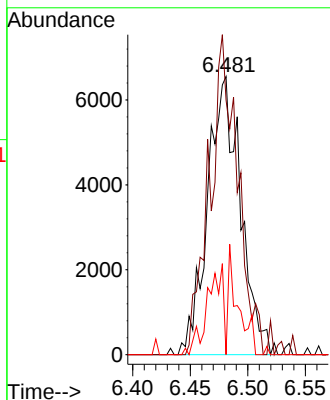
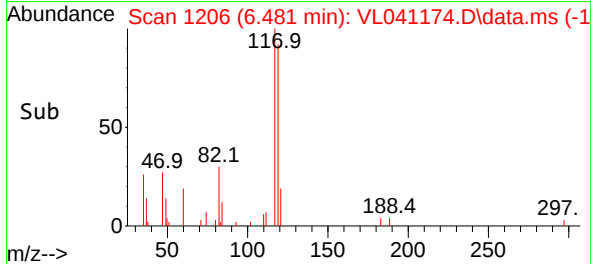
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 13072
Ion Ratio Lower Upper
117 100
119 91.6 74.2 111.4
121 0.0 25.4 38.2

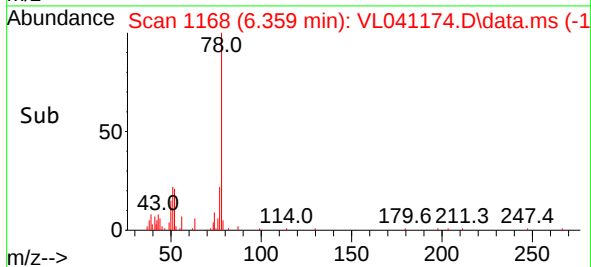
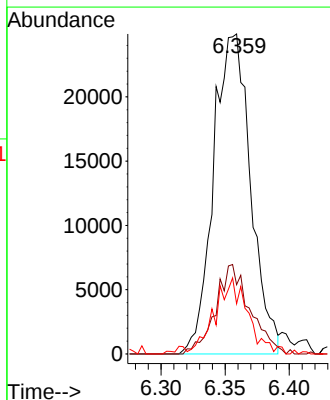
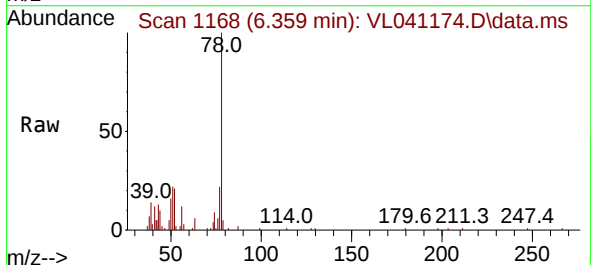
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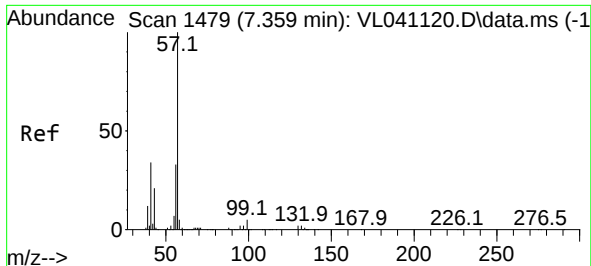
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#36
Benzene
Concen: 0.223 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

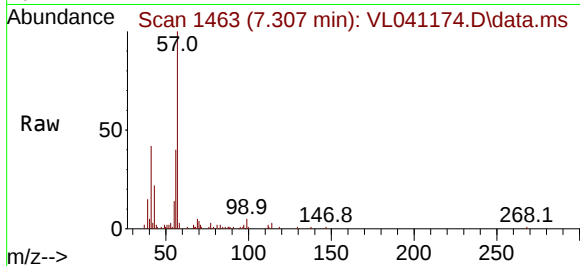
Tgt Ion: 78 Resp: 50265
Ion Ratio Lower Upper
78 100
77 21.6 18.2 27.4
50 15.7 15.4 23.2





#44
2,2,4-Trimethylpentane
Concen: 0.210 ppbv m
RT: 7.307 min Scan# 1479
Delta R.T. 0.003 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

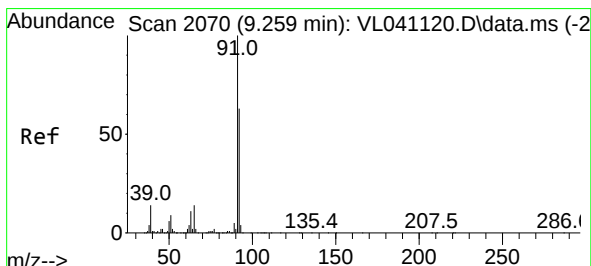
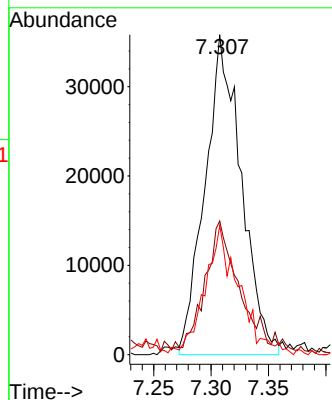
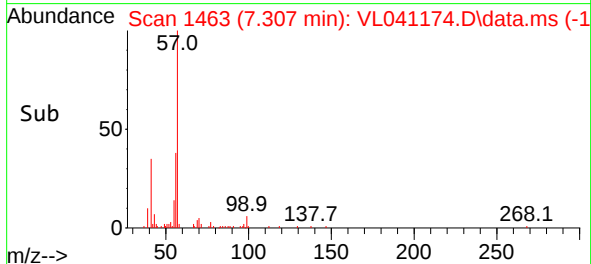
Instrument :
MSVOA_L
ClientSampleId :
OA1



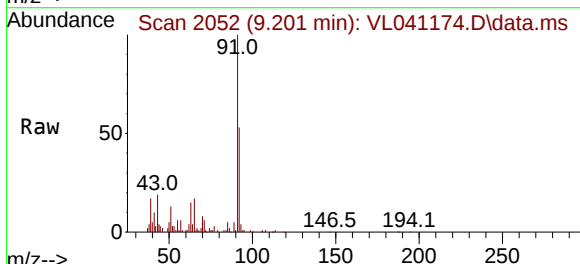
Tgt Ion: 57 Resp: 7858
Ion Ratio Lower Upper
57 100
41 44.3 28.2 42.2
56 38.9 25.2 37.8

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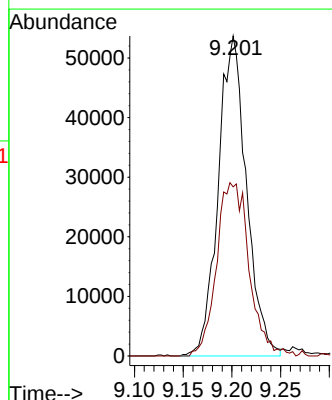
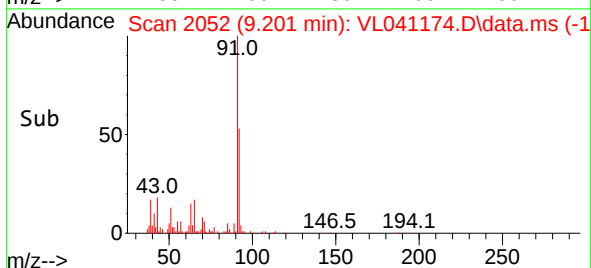
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024

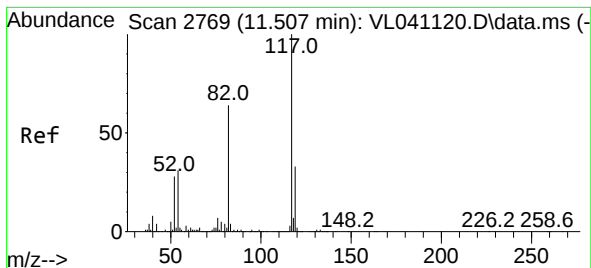


#53
Toluene
Concen: 0.456 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.003 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16



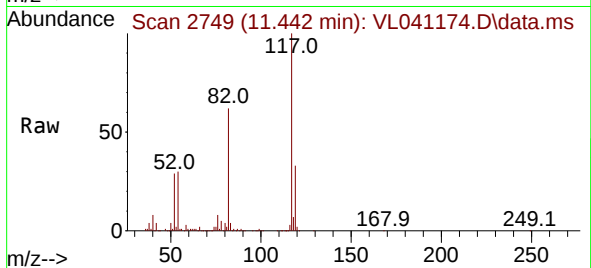
Tgt Ion: 91 Resp: 108463
Ion Ratio Lower Upper
91 100
92 62.9 49.0 73.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16

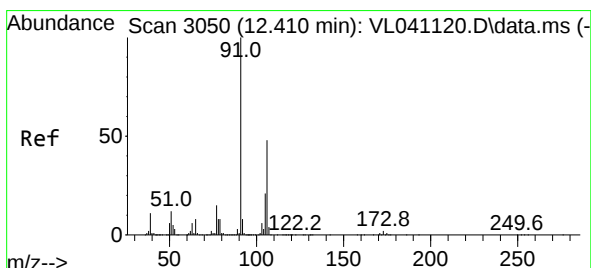
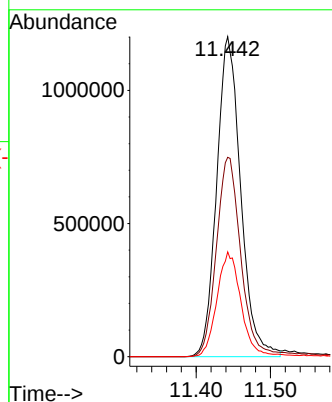
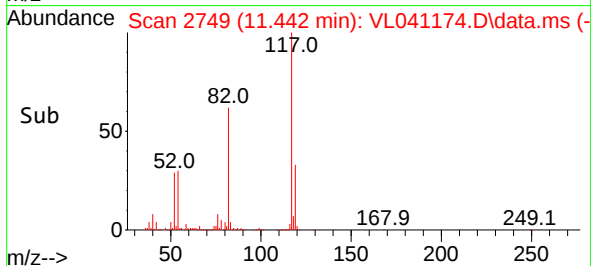
Instrument :
MSVOA_L
ClientSampleId :
OA1



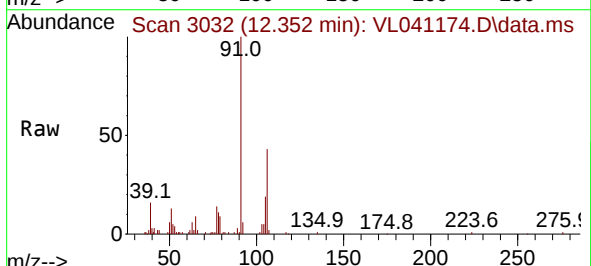
Tgt Ion:117 Resp: 270526
Ion Ratio Lower Upper
117 100
82 65.5 51.0 76.6
119 33.6 25.2 37.8

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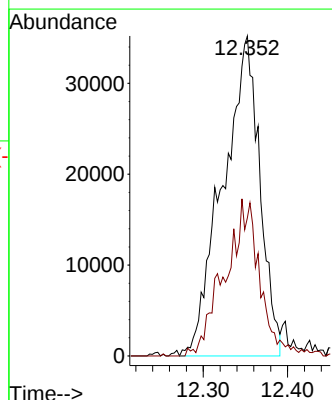
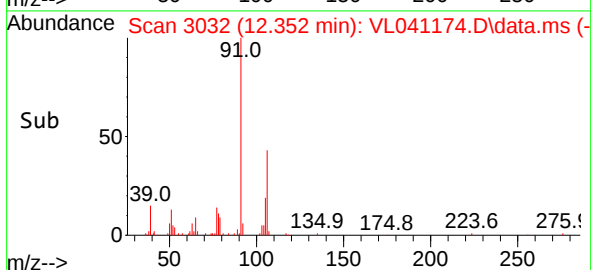
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024

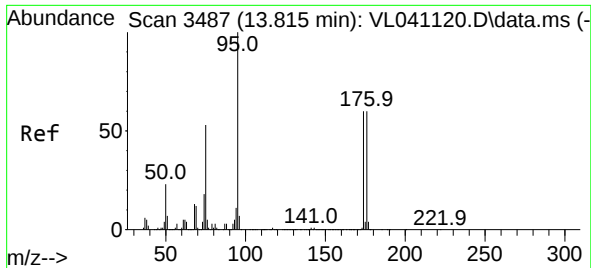


#59
m/p-Xylene
Concen: 0.401 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VL041174.D
Acq: 25 Apr 2024 17:16



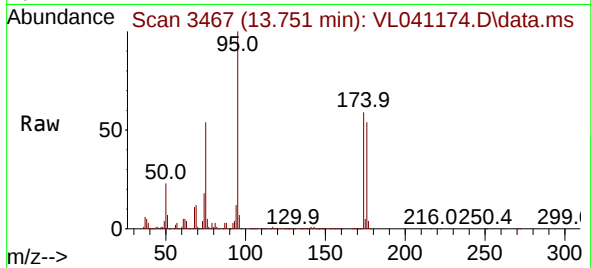
Tgt Ion: 91 Resp: 107350
Ion Ratio Lower Upper
91 100
106 46.7 35.4 53.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.760 ppbv
 RT: 13.751 min Scan# 34
 Delta R.T. 0.003 min
 Lab File: VL041174.D
 Acq: 25 Apr 2024 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 95 Resp: 212319
 Ion Ratio Lower Upper
 95 100
 174 62.3 49.3 73.9
 175 4.7 3.6 5.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/26/2024
 Supervised By :Mahesh Dadoda 04/26/2024

