

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041328.D
 Acq On : 5 Jun 2024 15:31
 Operator : SY/MD
 Sample : P2716-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 04:40:10 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	802451	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2087746	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.478	117	1952572	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1508362	10.005	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.767	85	43006	0.336	ppbv	89
3) Chlorodifluoromethane	2.713	51	54808m	0.432	ppbv	
4) Chloromethane	2.848	50	30503	0.639	ppbv	98
9) Propene	2.739	41	76424	1.692	ppbv #	80
10) Heptane	7.594	43	48692m	0.455	ppbv	
11) Trichlorofluoromethane	3.594	101	28368	0.241	ppbv	96
13) Ethanol	3.269	45	488495	41.570	ppbv	97
15) Acetone	3.494	43	1338121	14.605	ppbv	99
19) Isopropyl Alcohol	3.607	45	196098	3.407	ppbv #	89
20) Methylene Chloride	3.960	84	193665	5.816	ppbv	96
26) Hexane	5.234	57	248239	3.046	ppbv #	48
30) Cyclohexane	6.619	84	84584	1.280	ppbv	93
34) 2-Butanone	4.816	43	108501	1.085	ppbv	95
35) Carbon Tetrachloride	6.507	117	8166m	0.069	ppbv	
36) Benzene	6.391	78	73956	0.457	ppbv	95
41) Tetrahydrofuran	5.584	42	23145m	0.356	ppbv	
44) 2,2,4-Trimethylpentane	7.343	57	102094	0.367	ppbv #	85
52) Tetrachloroethene	10.626	164	4357m	0.074	ppbv	
53) Toluene	9.237	91	396307m	2.129	ppbv	
58) Ethyl Benzene	12.102	91	53002	0.212	ppbv #	87
59) m/p-Xylene	12.359	91	197930m	0.923	ppbv	
60) o-Xylene	13.069	91	73316	0.359	ppbv	96
74) 1,2,4-Trimethylbenzene	16.117	105	51000m	0.218	ppbv	

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

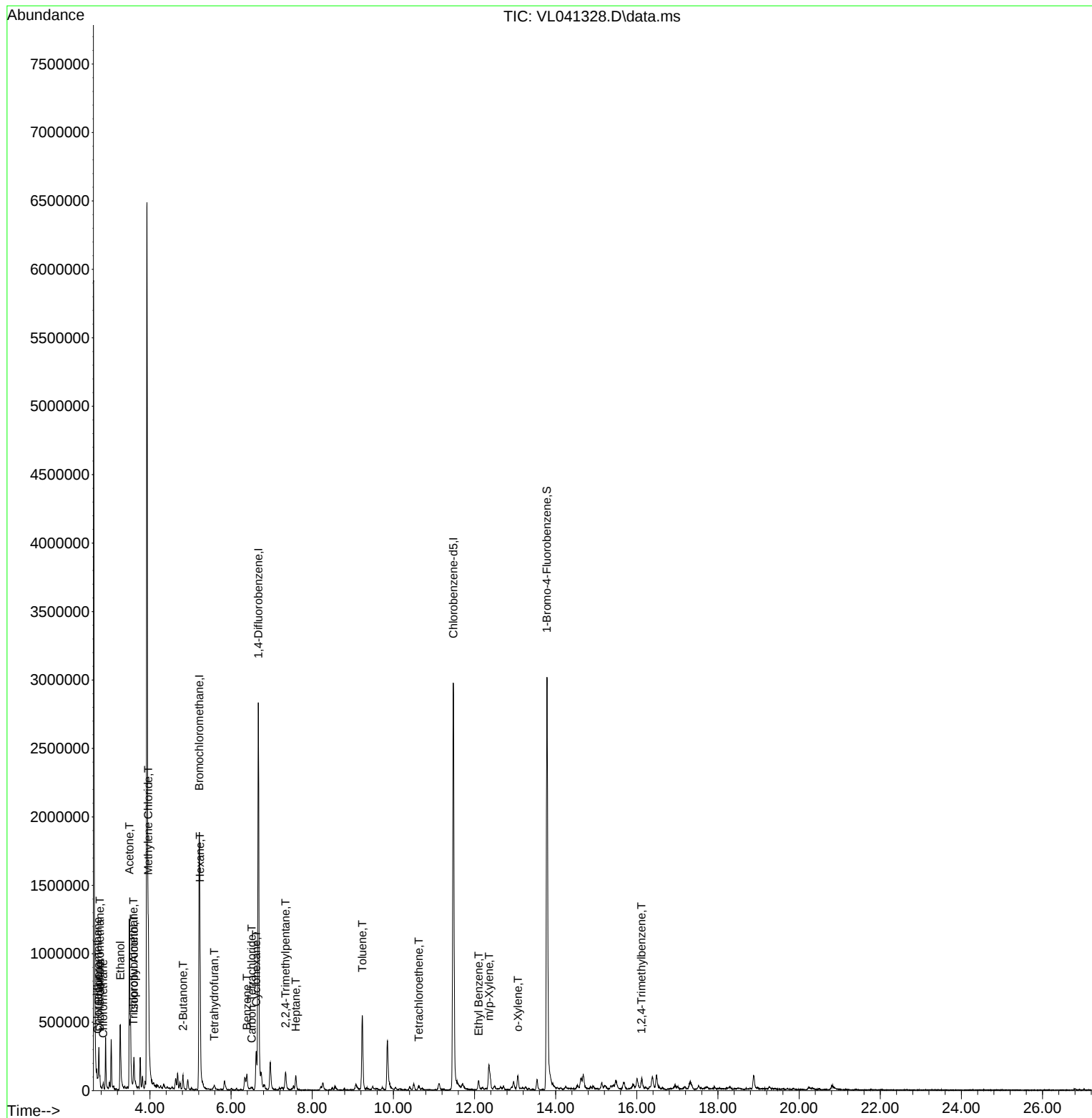
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
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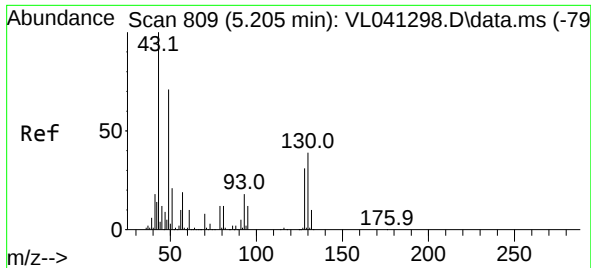
Instrument :
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ClientSampleId :
IA1DUP

Quant Time: Jun 06 04:40:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
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Manual Integrations
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Reviewed By : Semsettin Yesilyurt 06/06/2024
Supervised By : Mahesh Dadoda 06/06/2024





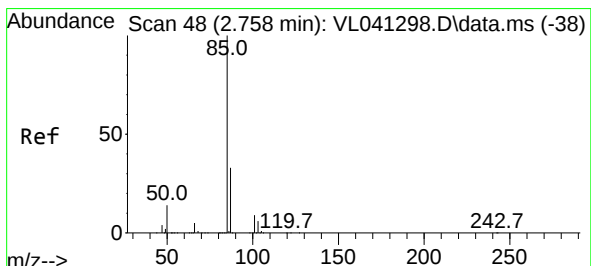
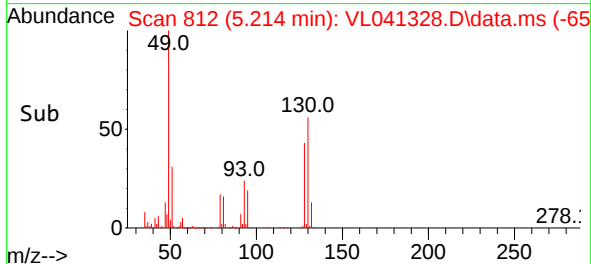
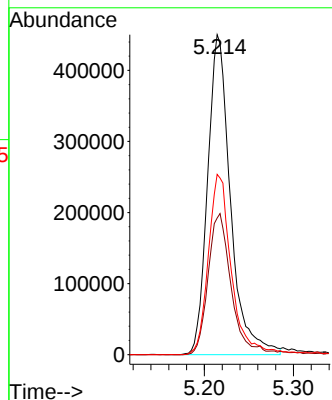
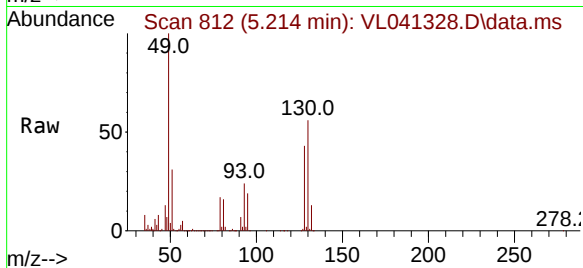
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 49 Resp: 80245
Ion Ratio Lower Upper
49 100
128 45.5 22.8 68.3
130 57.8 28.4 85.3

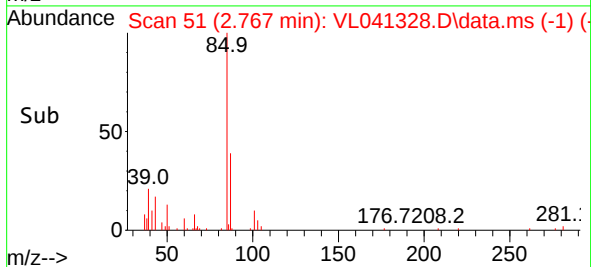
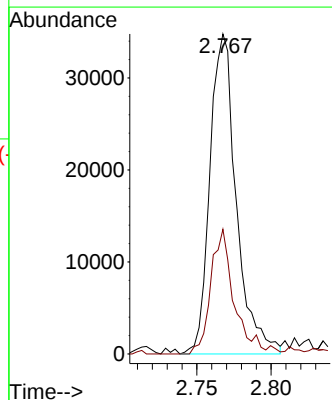
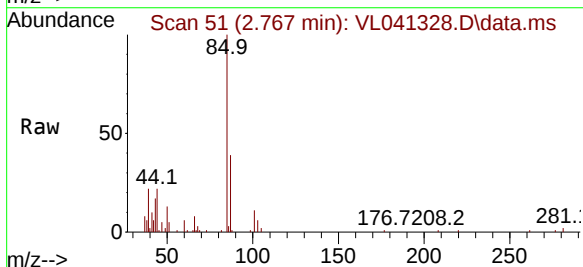
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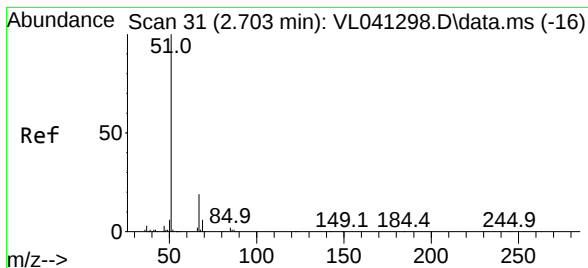
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#2
Dichlorodifluoromethane
Concen: 0.336 ppbv
RT: 2.767 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Tgt Ion: 85 Resp: 43006
Ion Ratio Lower Upper
85 100
87 39.2 26.5 39.7





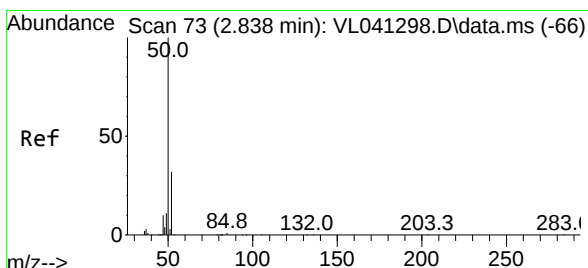
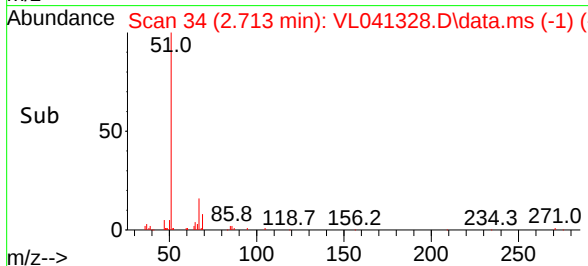
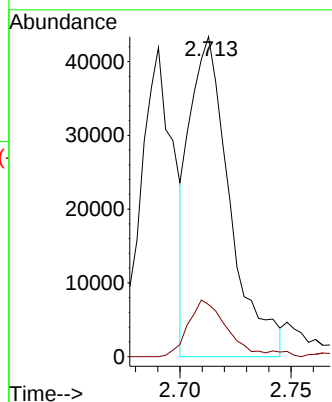
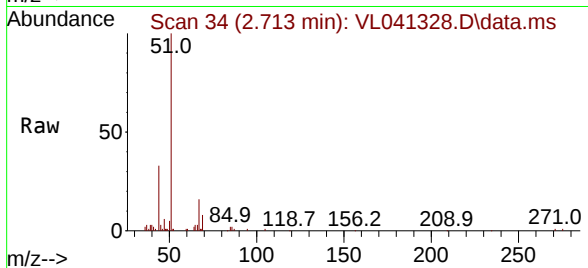
#3
Chlorodifluoromethane
Concen: 0.432 ppbv m
RT: 2.713 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 51 Resp: 54808
Ion Ratio Lower Upper
51 100
67 18.5 14.7 22.1

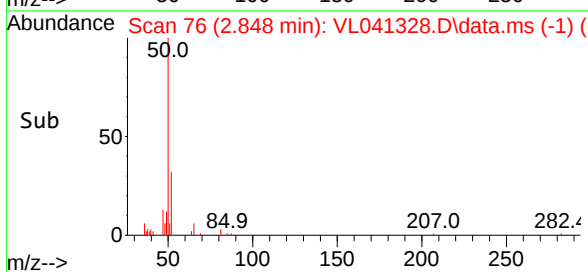
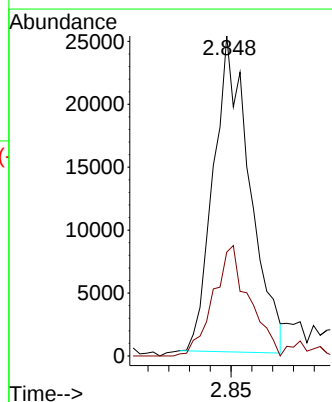
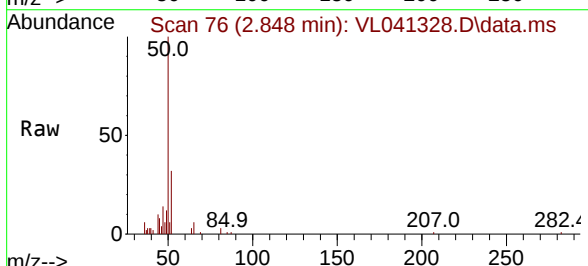
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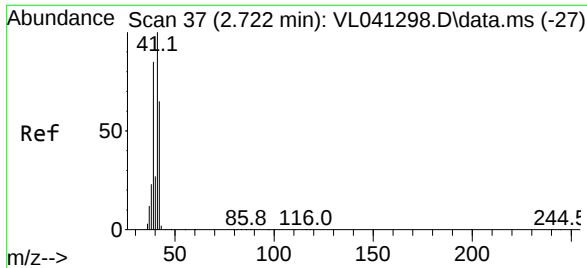
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#4
Chloromethane
Concen: 0.639 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.010 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

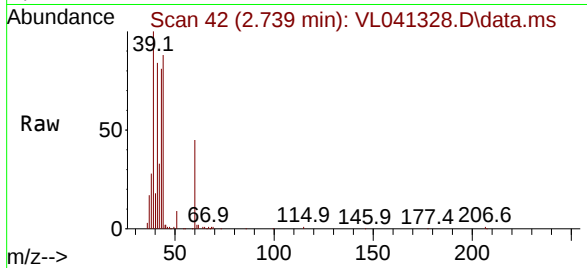
Tgt Ion: 50 Resp: 30503
Ion Ratio Lower Upper
50 100
52 33.3 25.6 38.4





#9
 Propene
 Concen: 1.692 ppbv
 RT: 2.739 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL041328.D
 Acq: 5 Jun 2024 15:31

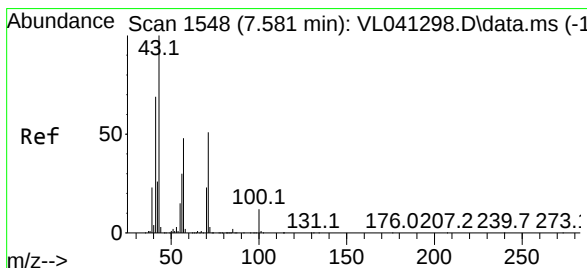
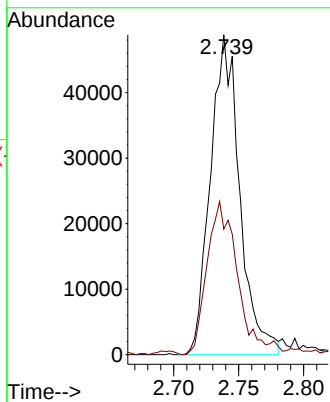
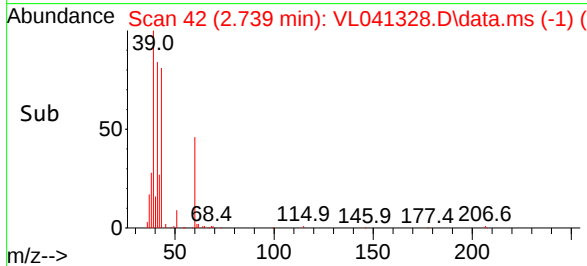
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



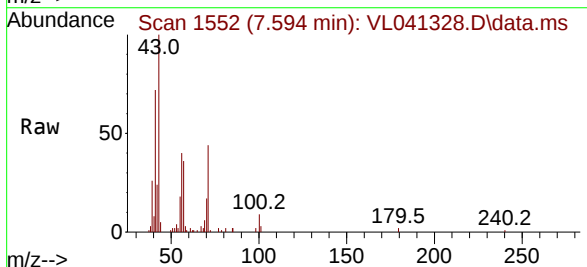
Tgt Ion: 41 Resp: 76424
 Ion Ratio Lower Upper
 41 100
 42 52.9 55.2 82.8

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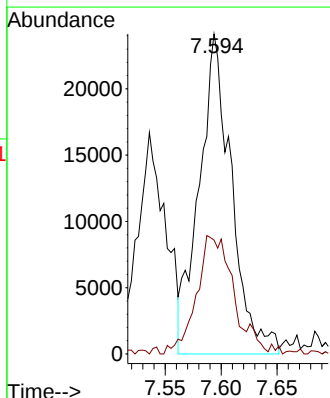
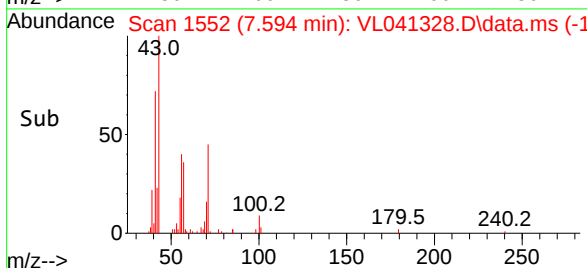
Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024

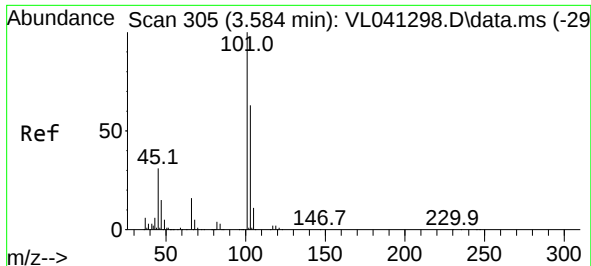


#10
 Heptane
 Concen: 0.455 ppbv m
 RT: 7.594 min Scan# 1552
 Delta R.T. 0.013 min
 Lab File: VL041328.D
 Acq: 5 Jun 2024 15:31



Tgt Ion: 43 Resp: 48692
 Ion Ratio Lower Upper
 43 100
 57 43.3 39.0 58.4





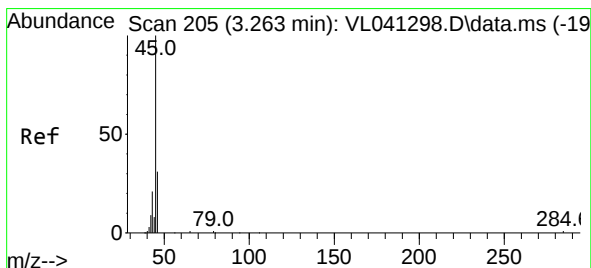
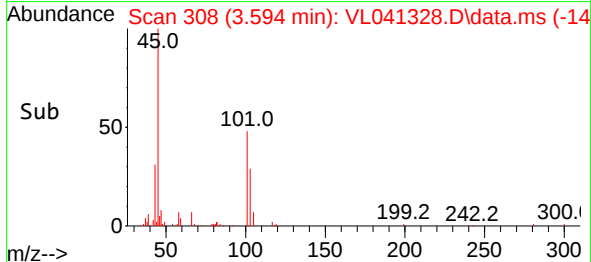
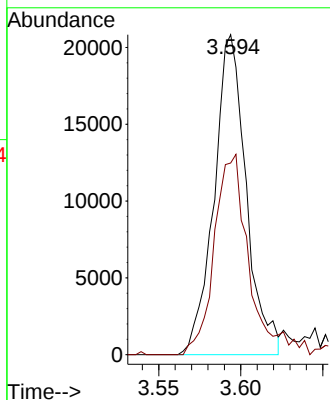
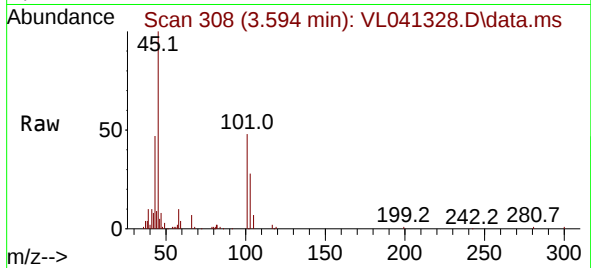
#11
Trichlorofluoromethane
Concen: 0.241 ppbv
RT: 3.594 min Scan# 305
Delta R.T. 0.010 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:101 Resp: 28368
Ion Ratio Lower Upper
101 100
103 59.9 50.6 76.0

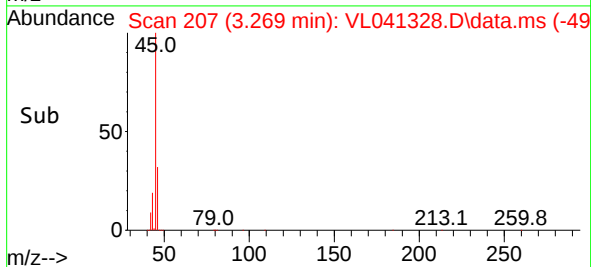
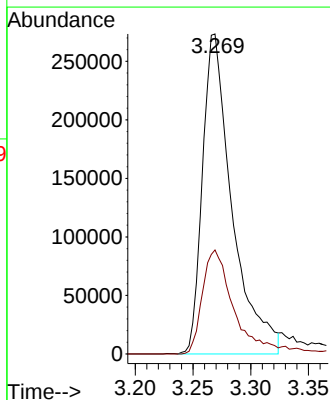
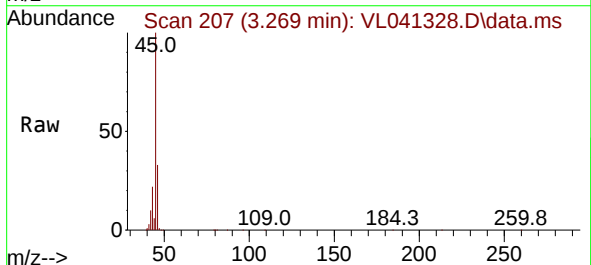
Manual Integrations
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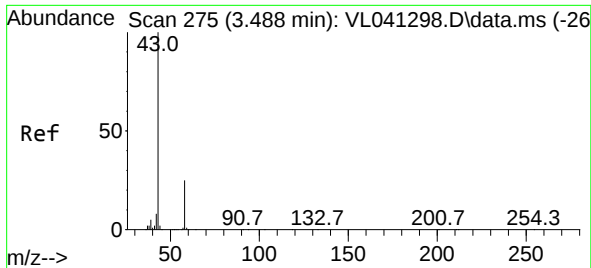
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#13
Ethanol
Concen: 41.570 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.006 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

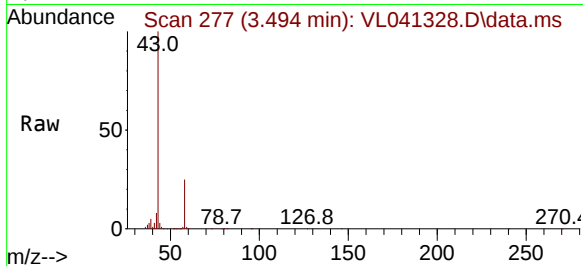
Tgt Ion: 45 Resp: 488495
Ion Ratio Lower Upper
45 100
46 36.9 14.2 56.6





#15
Acetone
Concen: 14.605 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

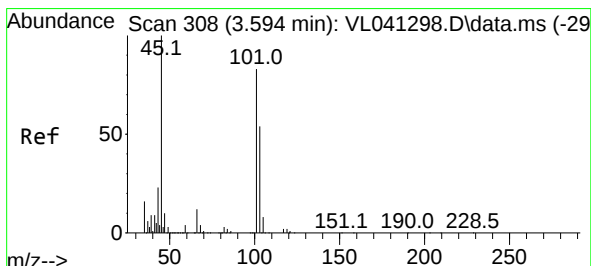
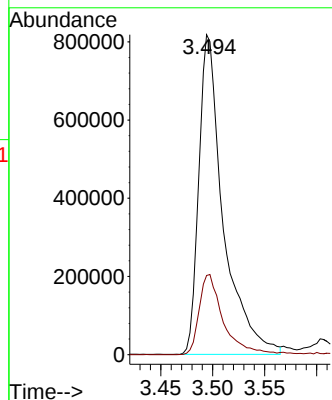
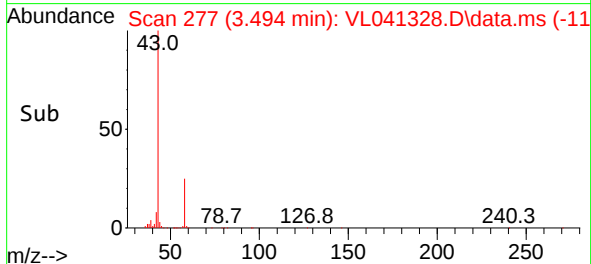
Instrument :
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ClientSampleId :
IA1DUP



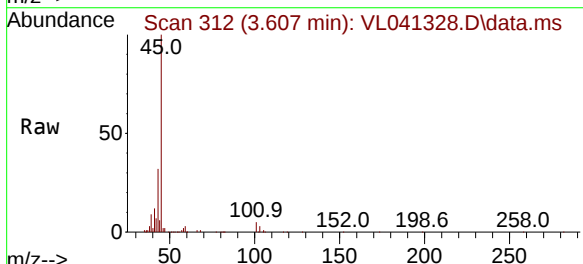
Tgt Ion: 43 Resp: 133812
Ion Ratio Lower Upper
43 100
58 25.1 20.6 31.0

Manual Integrations
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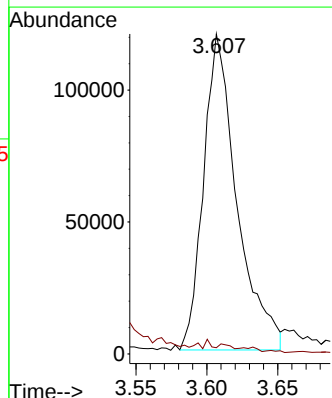
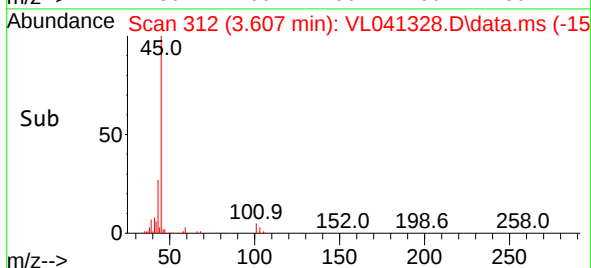
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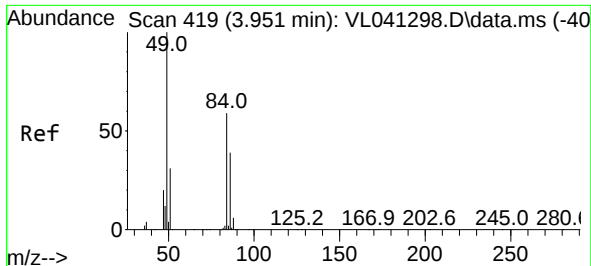


#19
Isopropyl Alcohol
Concen: 3.407 ppbv
RT: 3.607 min Scan# 312
Delta R.T. 0.013 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31



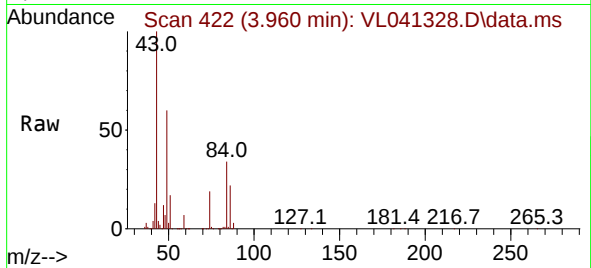
Tgt Ion: 45 Resp: 196098
Ion Ratio Lower Upper
45 100
58 5.7 1.4 2.2#





#20
Methylene Chloride
Concen: 5.816 ppbv
RT: 3.960 min Scan# 419
Delta R.T. 0.010 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

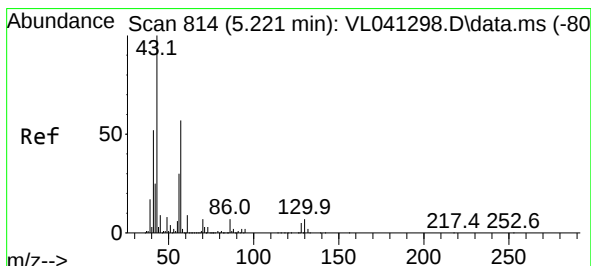
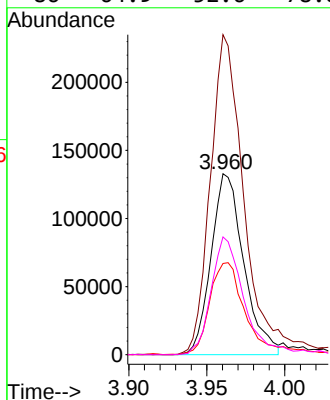
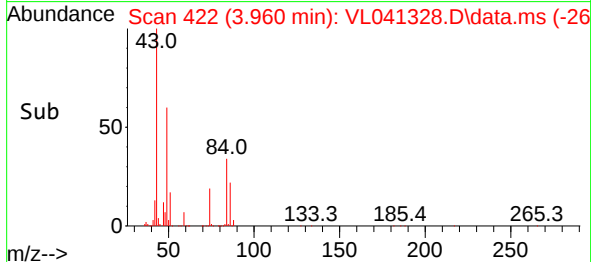
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 84 Resp: 19366
Ion Ratio Lower Upper
84 100
49 176.5 136.2 204.2
51 50.0 41.9 62.9
86 64.9 52.6 78.8

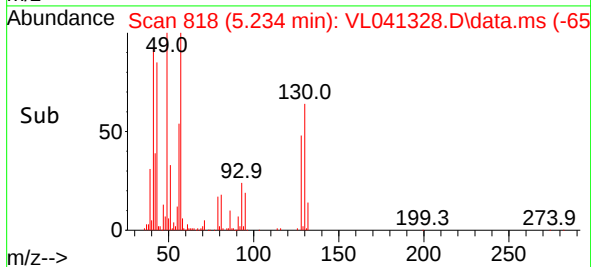
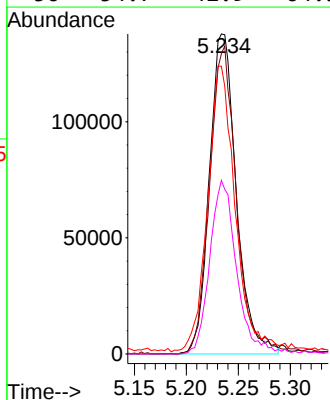
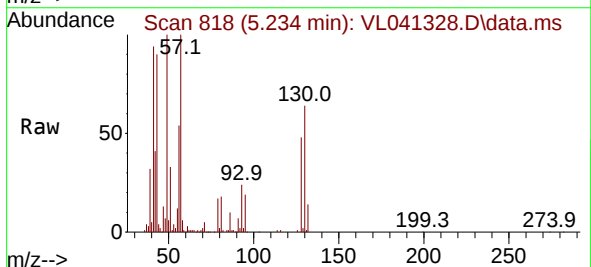
Manual Integrations
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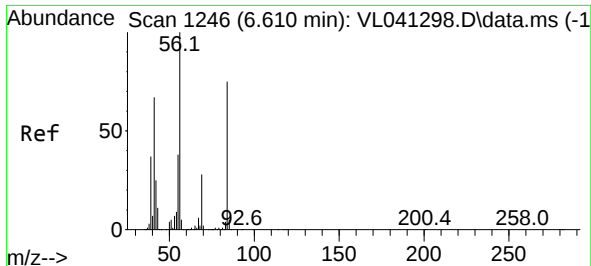
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#26
Hexane
Concen: 3.046 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.013 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

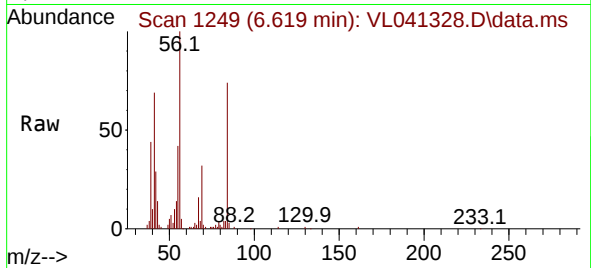
Tgt Ion: 57 Resp: 248239
Ion Ratio Lower Upper
57 100
41 98.0 77.1 115.7
43 91.1 186.1 279.1#
56 54.7 42.9 64.3





#30
Cyclohexane
Concen: 1.280 ppbv
RT: 6.619 min Scan# 1249
Delta R.T. 0.010 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

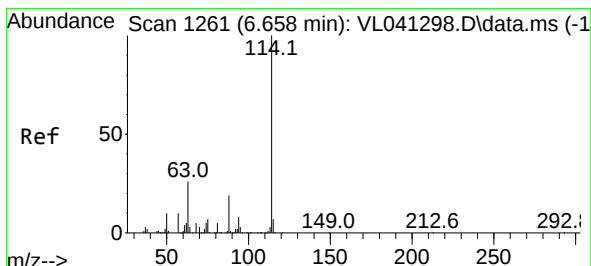
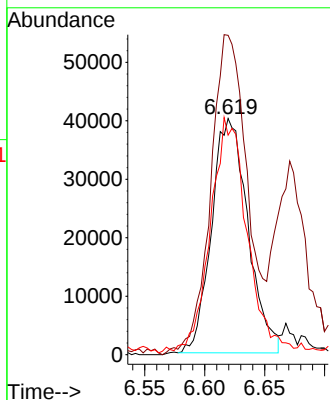
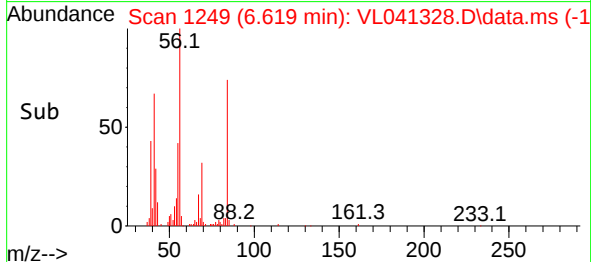
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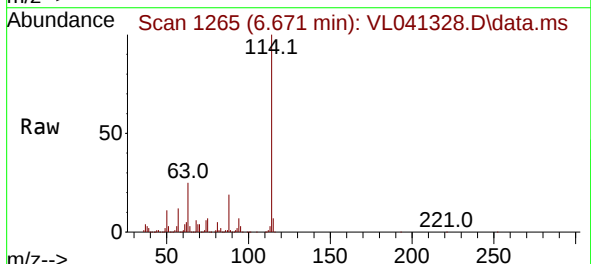
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Ion Ratio Lower Upper
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56 138.2 114.9 172.3
41 102.9 74.4 111.6

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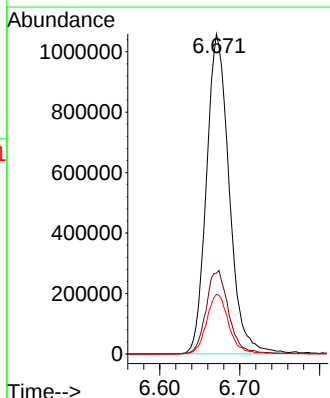
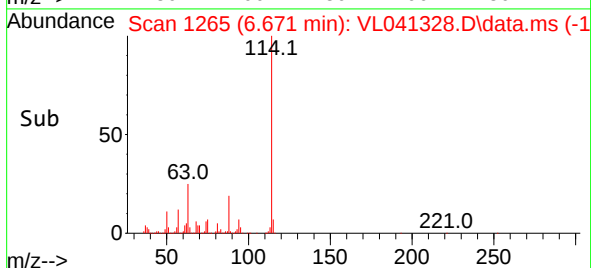
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

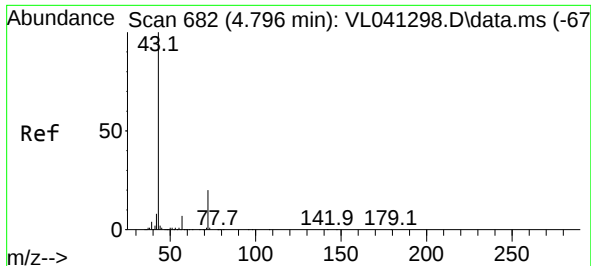


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.013 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31



Tgt Ion:114 Resp: 2087746
Ion Ratio Lower Upper
114 100
63 26.4 20.6 30.8
88 18.3 14.5 21.7





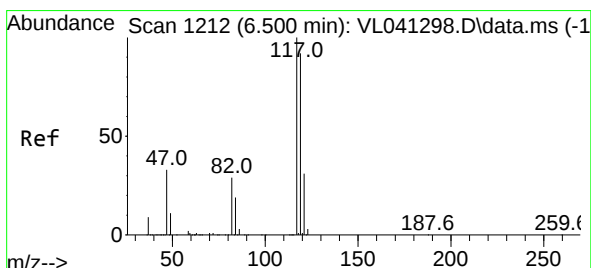
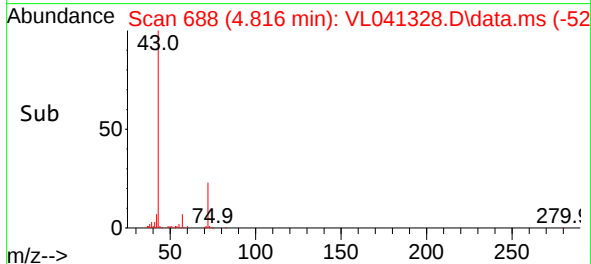
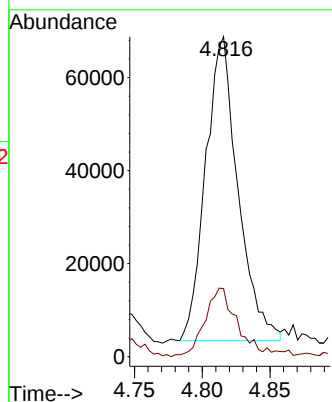
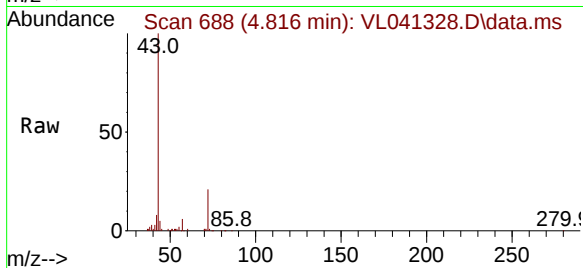
#34
2-Butanone
Concen: 1.085 ppbv
RT: 4.816 min Scan# 688
Delta R.T. 0.019 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 10850
Ion Ratio Lower Upper
43 100
72 23.9 17.4 26.0

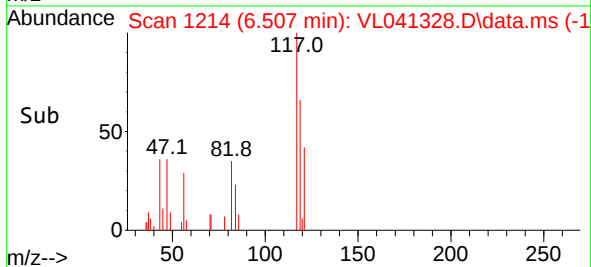
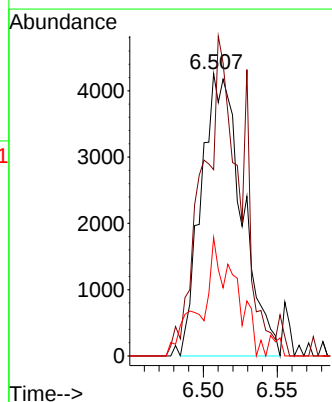
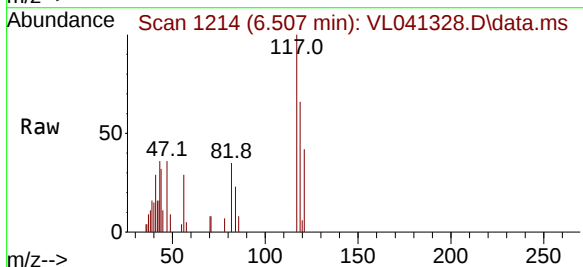
Manual Integrations
APPROVED

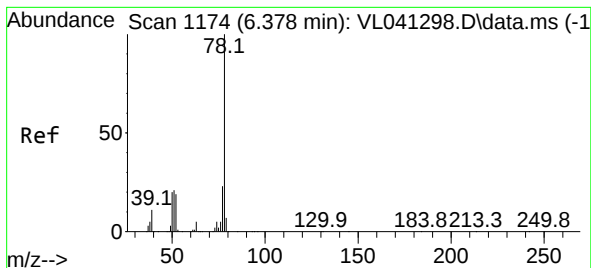
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 6.507 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Tgt Ion:117 Resp: 8166
Ion Ratio Lower Upper
117 100
119 66.0 74.0 111.0#
121 41.9 24.8 37.2#





#36

Benzene

Concen: 0.457 ppbv

RT: 6.391 min Scan# 1178

Delta R.T. 0.013 min

Lab File: VL041328.D

Acq: 5 Jun 2024 15:31

Instrument :

MSVOA_L

ClientSampleId :

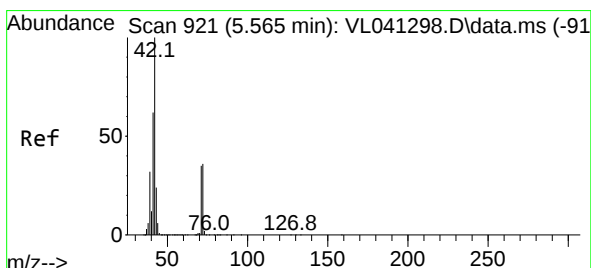
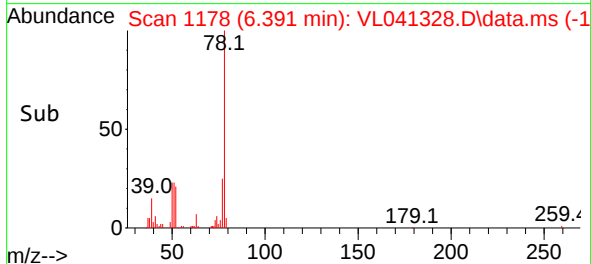
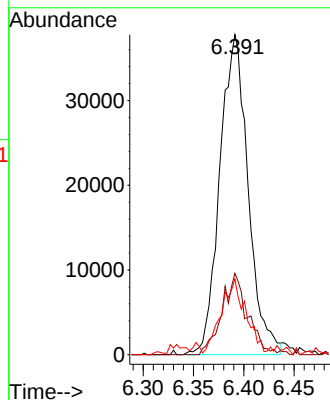
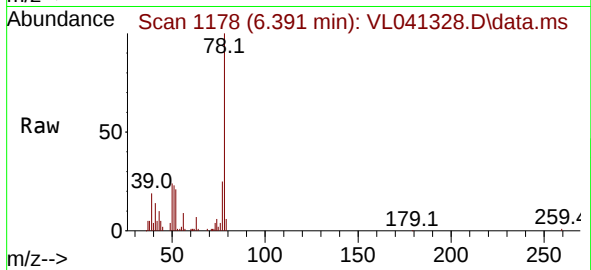
IA1DUP

Tgt Ion: 78	Resp: 7395
Ion Ratio	Lower Upper
78 100	
77 25.4	18.6 28.0
50 22.2	16.0 24.0

Manual Integrations

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



#41

Tetrahydrofuran

Concen: 0.356 ppbv m

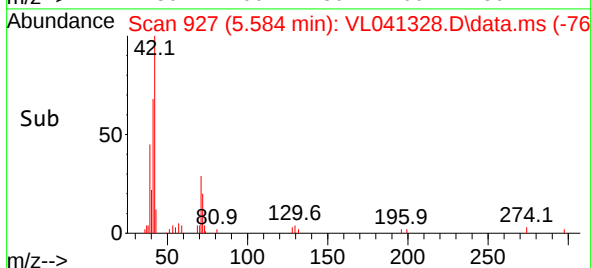
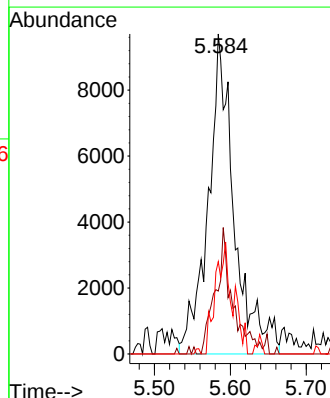
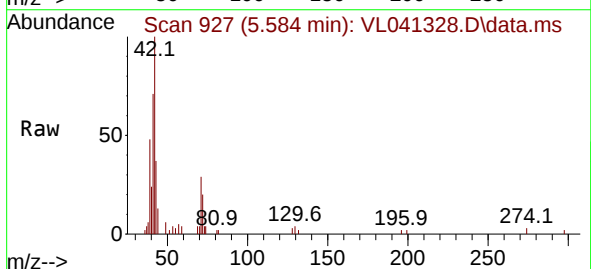
RT: 5.584 min Scan# 927

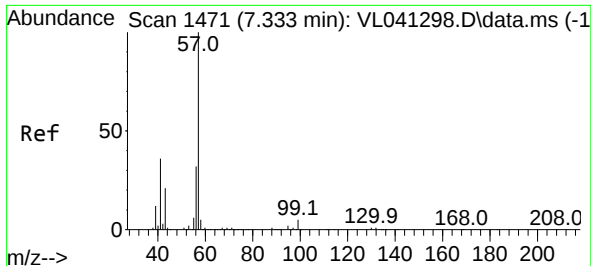
Delta R.T. 0.019 min

Lab File: VL041328.D

Acq: 5 Jun 2024 15:31

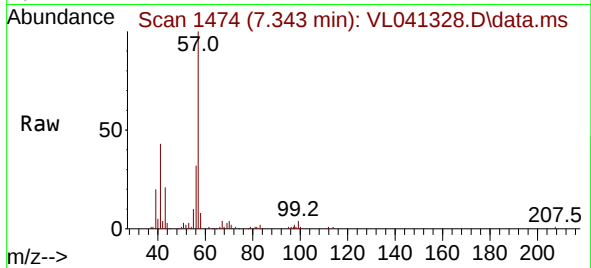
Tgt Ion: 42	Resp: 23145
Ion Ratio	Lower Upper
42 100	
72 0.0	30.2 45.4#
71 0.0	30.3 45.5#





#44
2,2,4-Trimethylpentane
Concen: 0.367 ppbv
RT: 7.343 min Scan# 1471
Delta R.T. 0.010 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

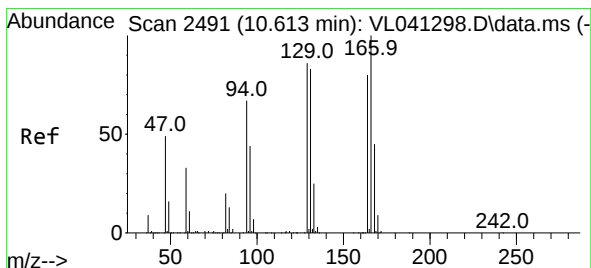
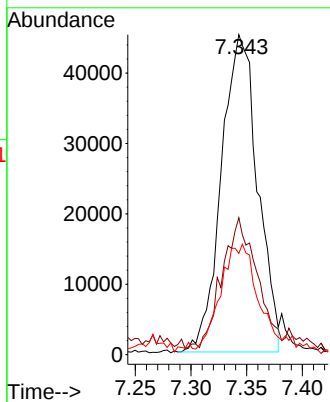
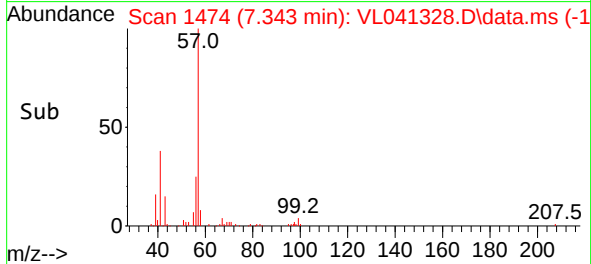
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



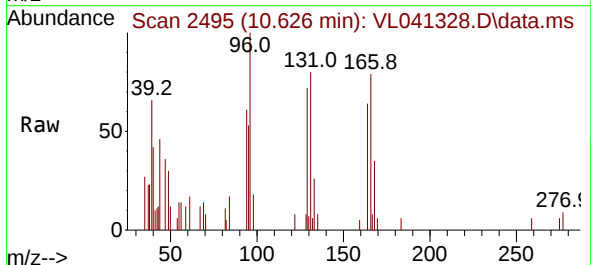
Tgt Ion: 57 Resp: 102094
Ion Ratio Lower Upper
57 100
41 44.9 29.4 44.2
56 40.6 25.0 37.4

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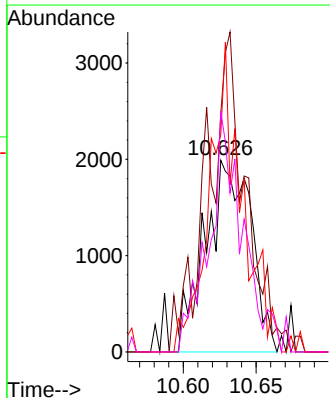
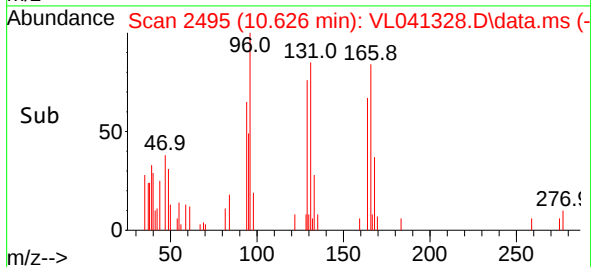
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

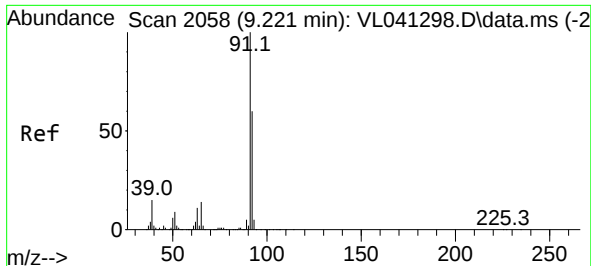


#52
Tetrachloroethene
Concen: 0.074 ppbv m
RT: 10.626 min Scan# 2495
Delta R.T. 0.013 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31



Tgt Ion:164 Resp: 4357
Ion Ratio Lower Upper
164 100
166 124.2 99.4 149.0
129 113.3 85.4 128.2
131 125.7 82.1 123.1





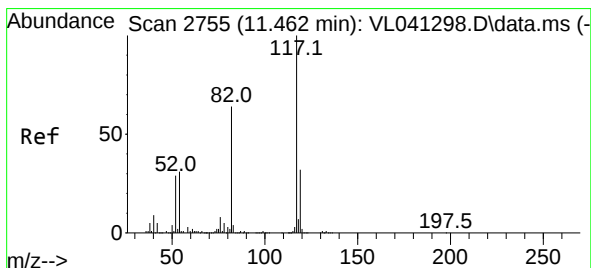
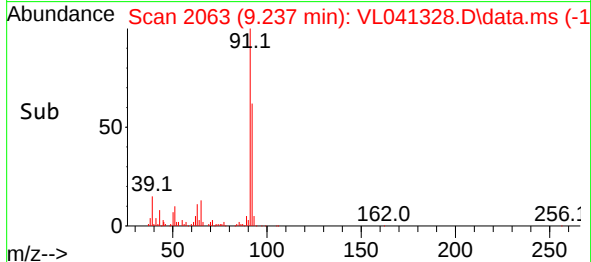
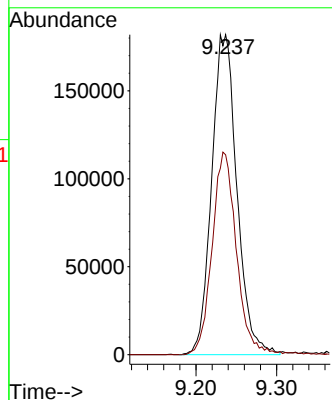
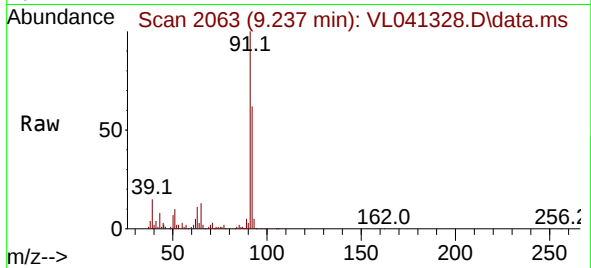
#53
Toluene
Concen: 2.129 ppbv m
RT: 9.237 min Scan# 2058
Delta R.T. 0.016 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 396307
Ion Ratio Lower Upper
91 100
92 61.4 49.2 73.8

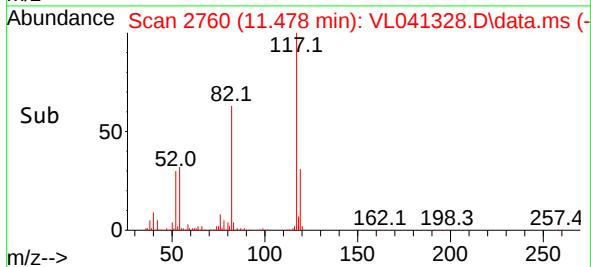
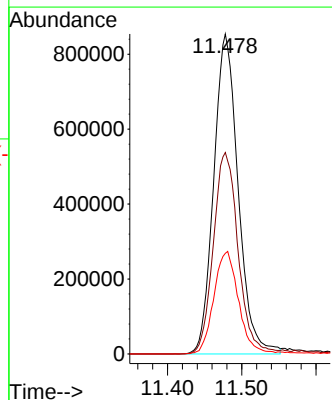
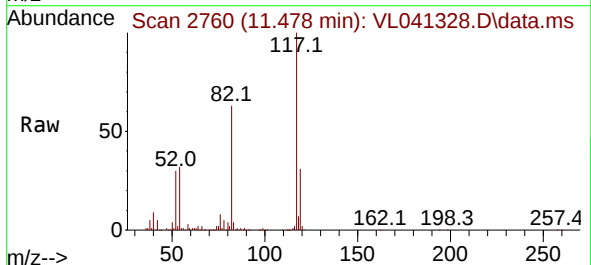
Manual Integrations
APPROVED

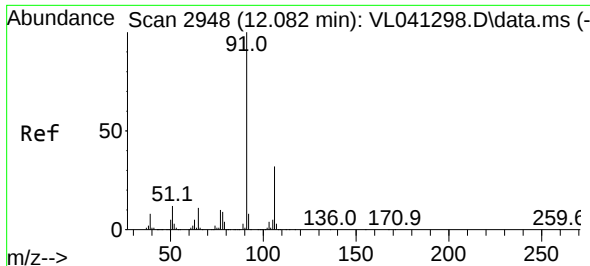
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.016 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

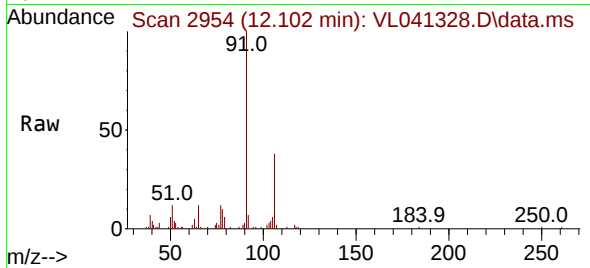
Tgt Ion:117 Resp: 1952572
Ion Ratio Lower Upper
117 100
82 65.9 52.3 78.5
119 33.3 26.2 39.2





#58
Ethyl Benzene
Concen: 0.212 ppbv
RT: 12.102 min Scan# 2948
Delta R.T. 0.019 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

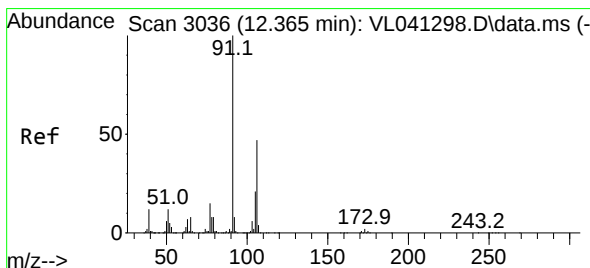
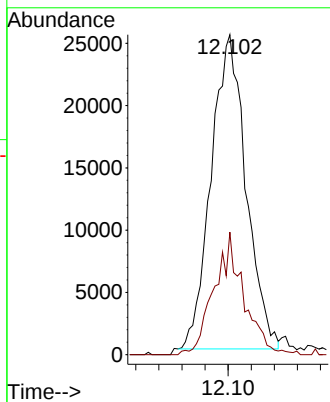
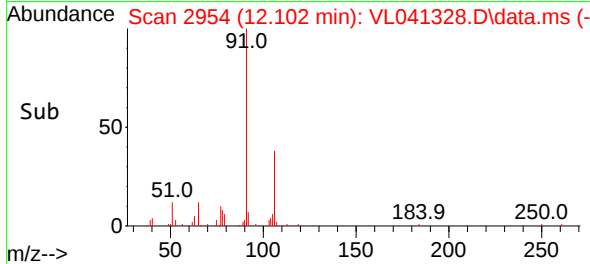
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 91 Resp: 53002
Ion Ratio Lower Upper
91 100
106 39.0 25.5 38.3

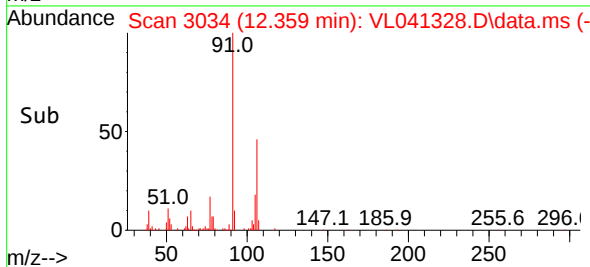
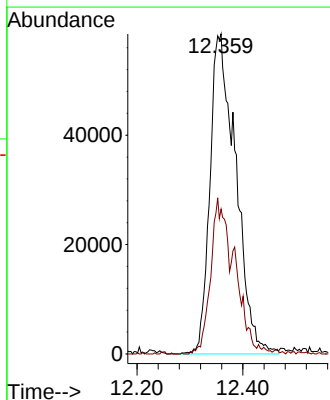
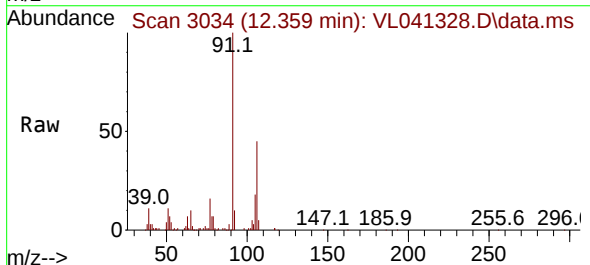
Manual Integrations
APPROVED

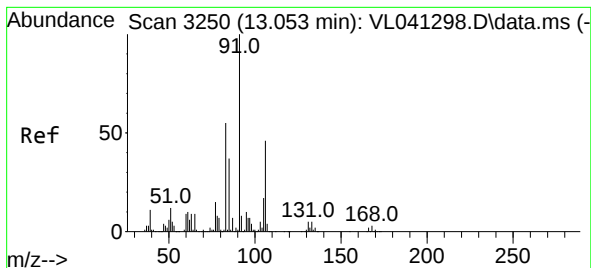
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#59
m/p-Xylene
Concen: 0.923 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.006 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Tgt Ion: 91 Resp: 197930
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5





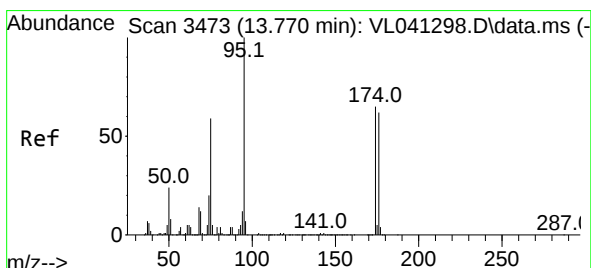
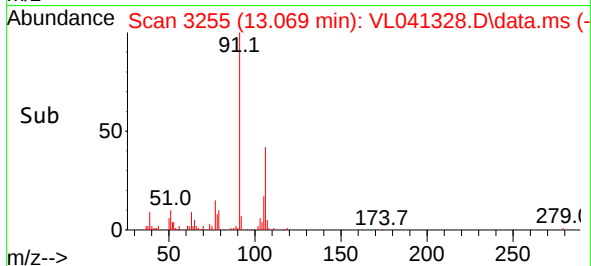
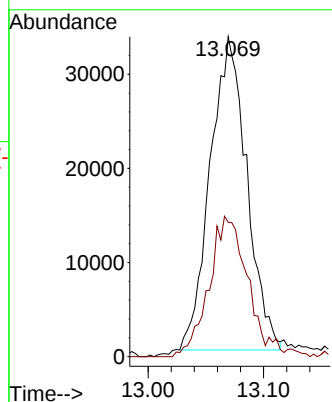
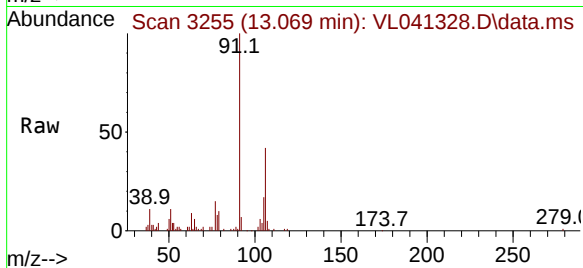
#60
o-Xylene
Concen: 0.359 ppbv
RT: 13.069 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 73310
Ion Ratio Lower Upper
91 100
106 47.9 22.8 68.4

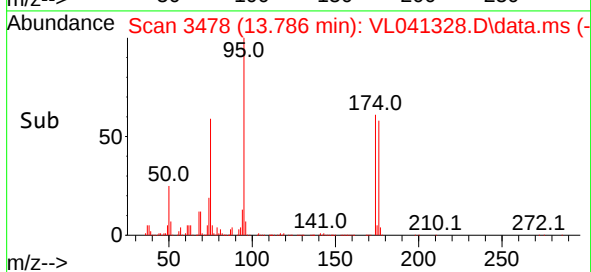
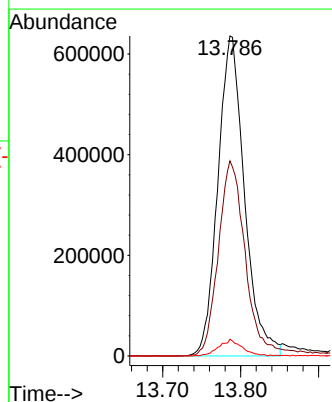
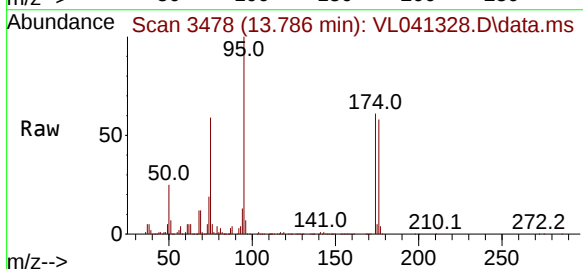
Manual Integrations
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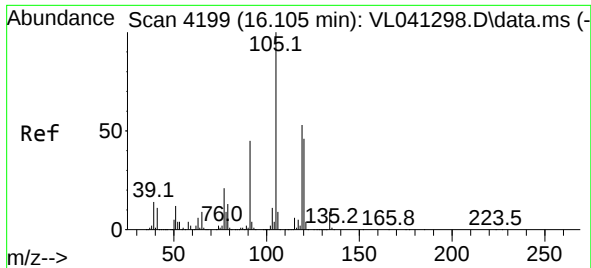
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.005 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.016 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

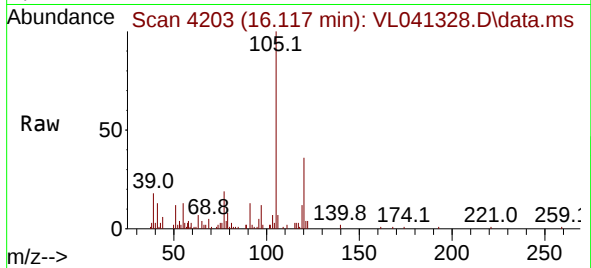
Tgt Ion: 95 Resp: 1508362
Ion Ratio Lower Upper
95 100
174 64.2 52.2 78.2
175 4.8 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.218 ppbv m
RT: 16.117 min Scan# 4199
Delta R.T. 0.013 min
Lab File: VL041328.D
Acq: 5 Jun 2024 15:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:	105	Resp:	51000
Ion	Ratio	Lower	Upper
105	100		
120	35.7	37.0	55.6
91	13.2	36.2	54.4
77	19.4	16.6	24.8

Manual Integrations
APPROVED

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

