

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040717.D
 Acq On : 19 Sep 2023 3:06
 Operator : SY/MD
 Sample : 04495-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 M-SIDE

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:26:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1299598	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3548516	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2962590	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2136468	9.334	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.738	85	122864	0.429	ppbv	99
3) Chlorodifluoromethane	2.684	51	57092m	0.270	ppbv	
4) Chloromethane	2.822	50	42093	0.519	ppbv	91
9) Propene	2.713	41	37609	0.617	ppbv #	76
11) Trichlorofluoromethane	3.571	101	43172	0.172	ppbv	99
13) Ethanol	3.253	45	1465981	81.204	ppbv	97
15) Acetone	3.475	43	1078275	6.290	ppbv	97
19) Isopropyl Alcohol	3.597	45	482100	4.667	ppbv #	97
20) Methylene Chloride	3.941	84	1962856	21.274	ppbv	93
26) Hexane	5.224	57	1551270	11.866	ppbv #	36
34) 2-Butanone	4.799	43	57508	0.322	ppbv #	88
35) Carbon Tetrachloride	6.497	117	13344	0.055	ppbv #	73
36) Benzene	6.381	78	47930m	0.182	ppbv	
53) Toluene	9.233	91	98675	0.356	ppbv	98

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

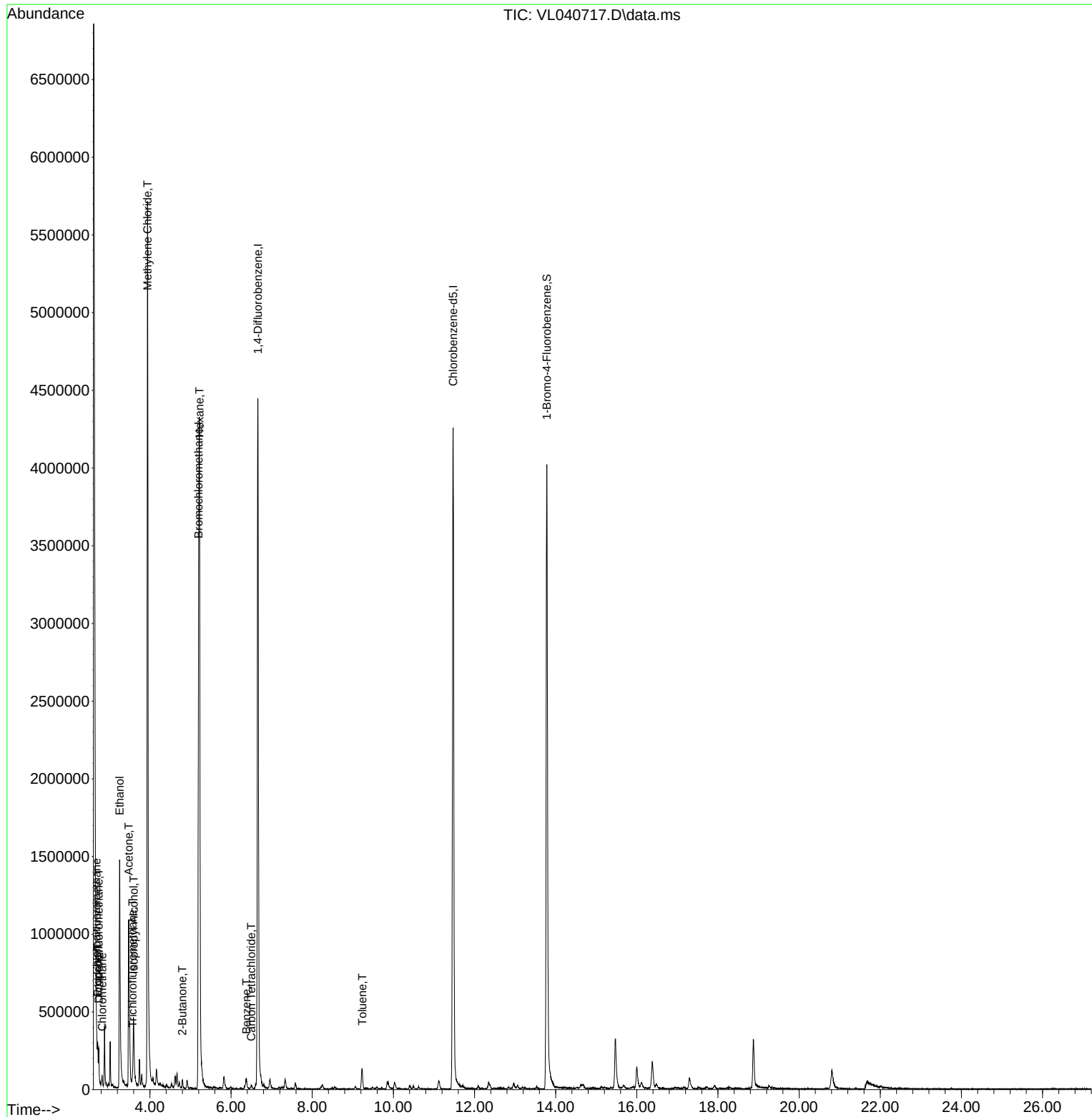
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040717.D
Acq On : 19 Sep 2023 3:06
Operator : SY/MD
Sample : 04495-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

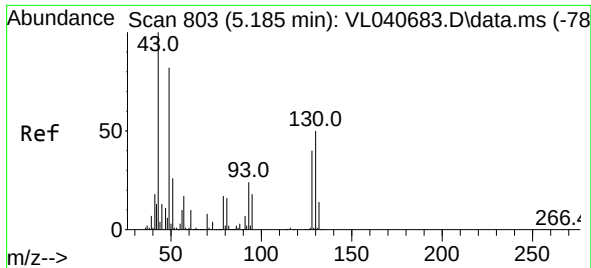
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Quant Time: Sep 19 05:26:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Manual Integrations
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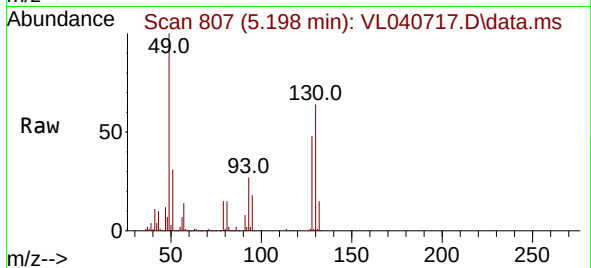
Reviewed By : Semsettin Yesilyurt 09/19/2023
Supervised By : Mahesh Dadoda 09/19/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

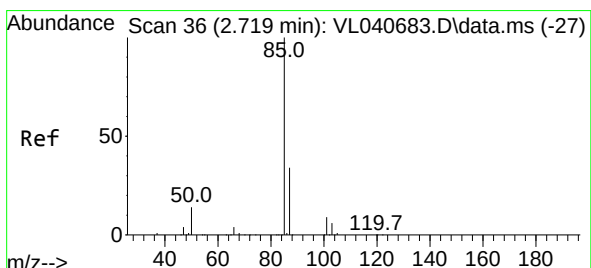
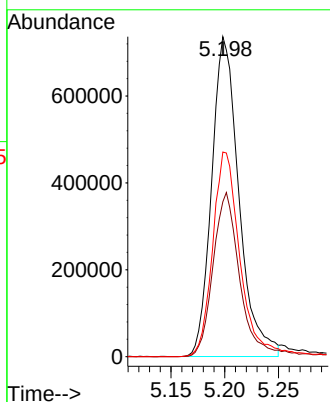
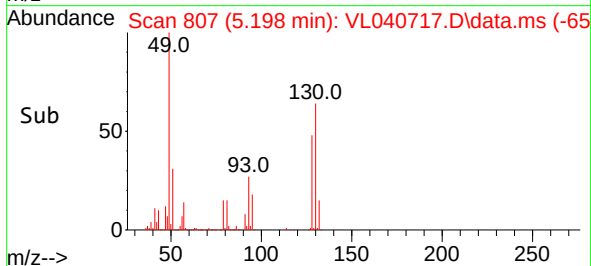
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE



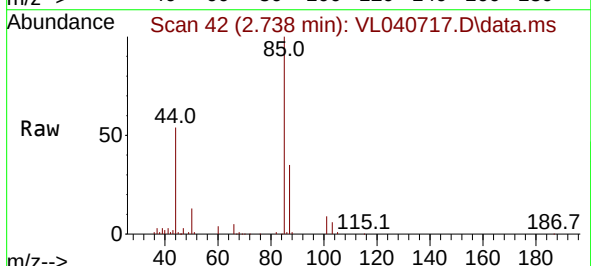
Tgt Ion: 49 Resp: 1299598
Ion Ratio Lower Upper
49 100
128 51.4 25.4 76.0
130 65.9 32.3 96.8

Manual Integrations
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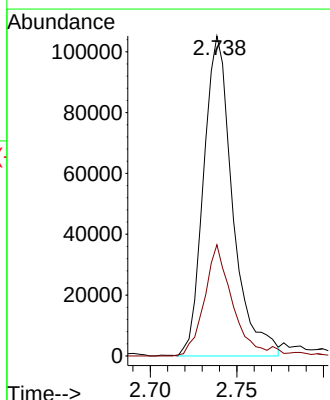
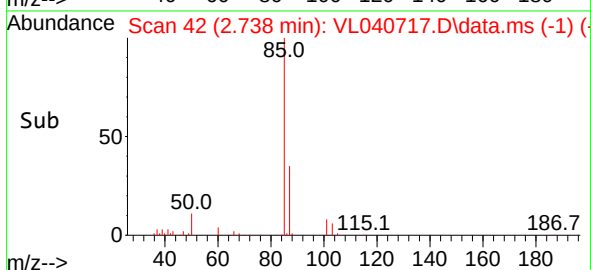
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

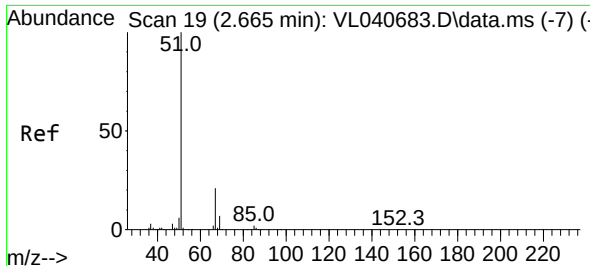


#2
Dichlorodifluoromethane
Concen: 0.429 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06



Tgt Ion: 85 Resp: 122864
Ion Ratio Lower Upper
85 100
87 34.4 27.2 40.8





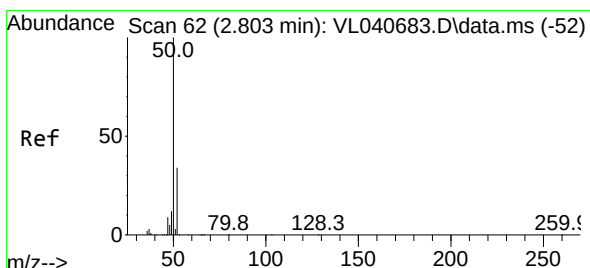
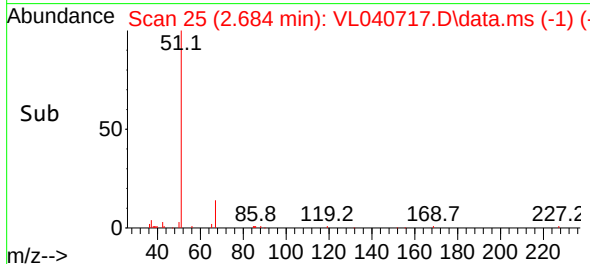
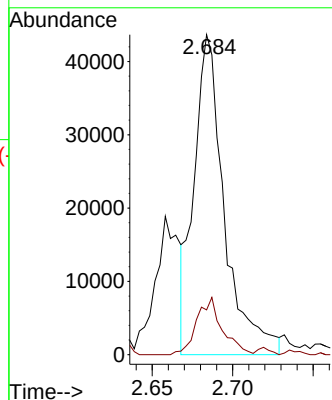
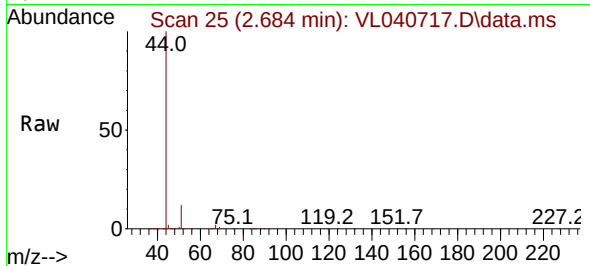
#3
Chlorodifluoromethane
Concen: 0.270 ppbv m
RT: 2.684 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 51 Resp: 57092
Ion Ratio Lower Upper
51 100
67 16.7 16.7 25.1

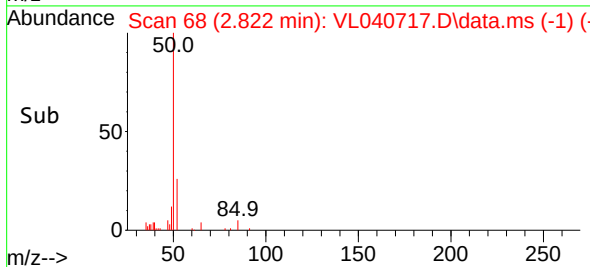
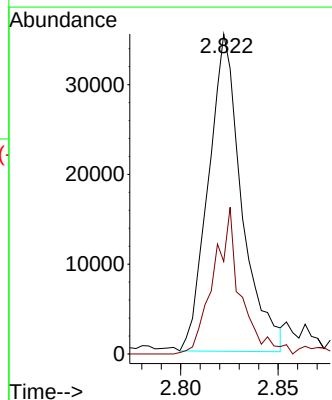
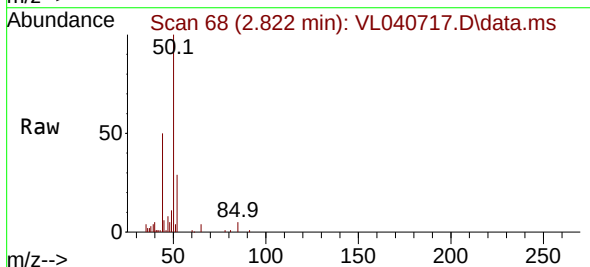
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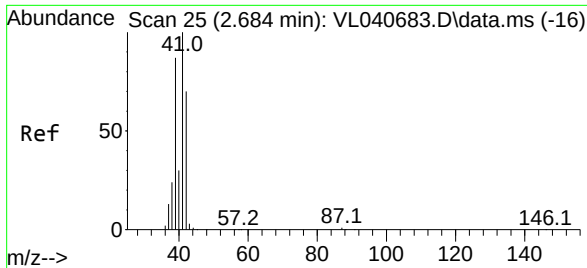
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#4
Chloromethane
Concen: 0.519 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 50 Resp: 42093
Ion Ratio Lower Upper
50 100
52 28.8 27.1 40.7





#9

Propene

Concen: 0.617 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.016 min

Lab File: VL040717.D

Acq: 19 Sep 2023 3:06

Instrument :

MSVOA_L

ClientSampleId :

M-SIDE

Tgt Ion: 41 Resp: 37609

Ion Ratio Lower Upper

41 100

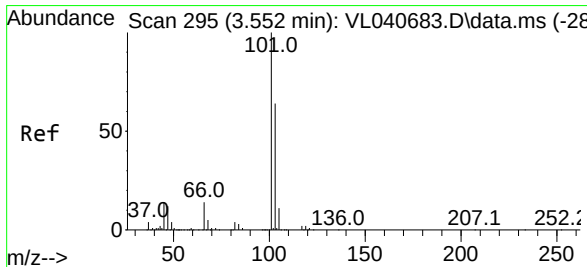
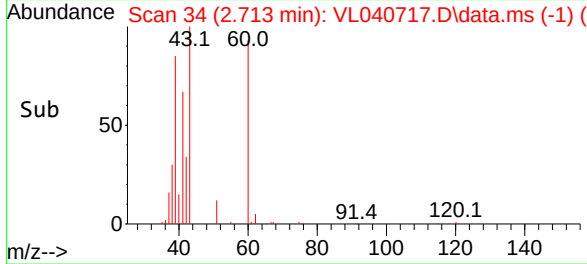
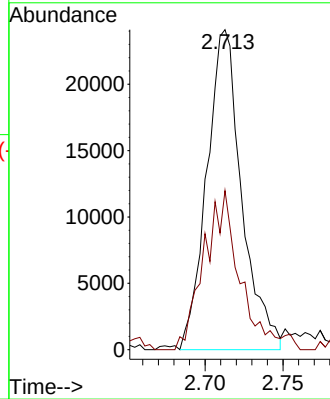
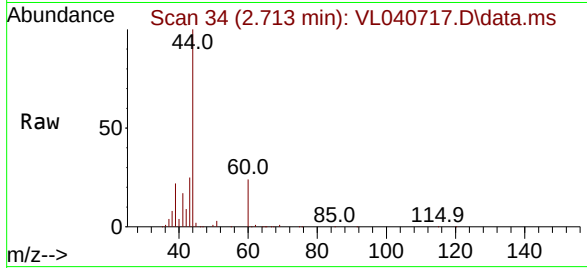
42 51.4 56.7 85.1

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Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#11

Trichlorofluoromethane

Concen: 0.172 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.003 min

Lab File: VL040717.D

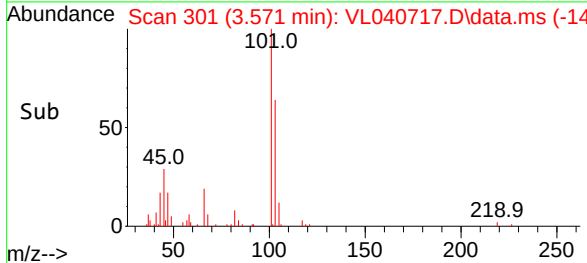
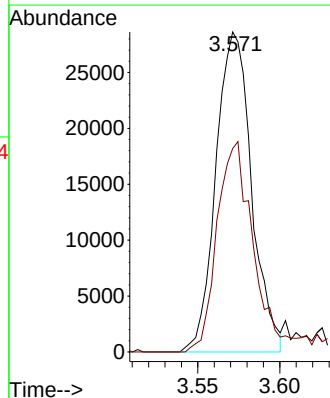
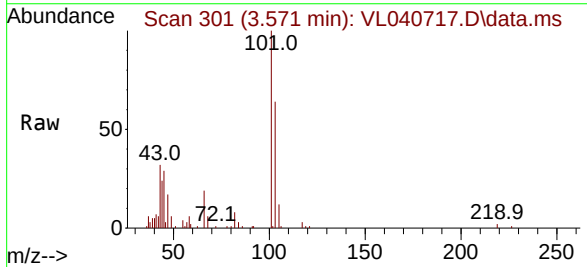
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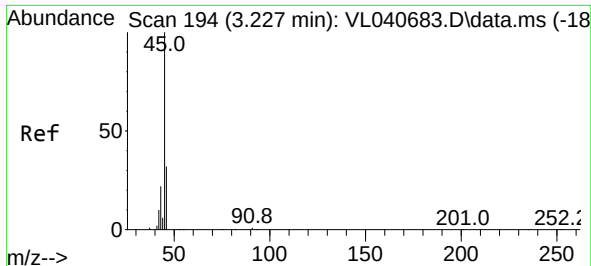
Tgt Ion:101 Resp: 43172

Ion Ratio Lower Upper

101 100

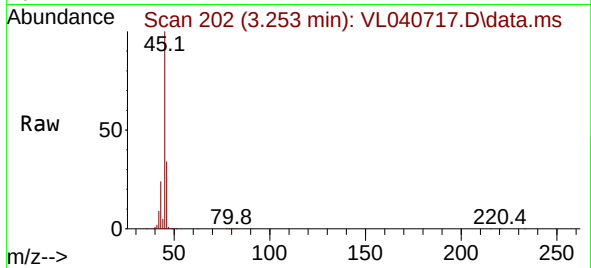
103 63.5 51.3 76.9





#13
Ethanol
Concen: 81.204 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.010 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

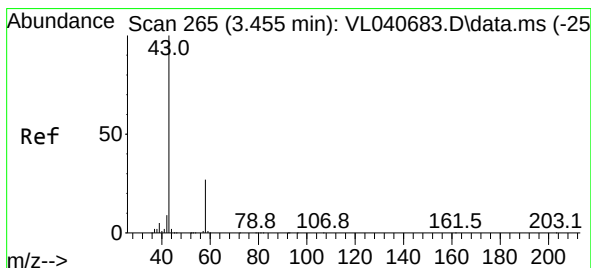
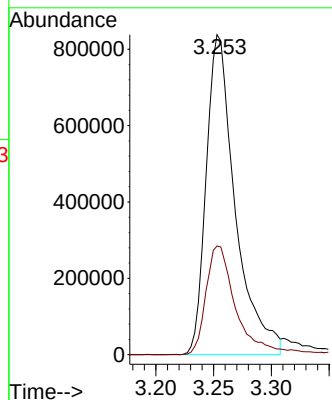
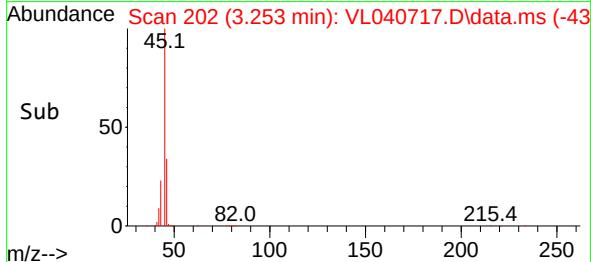
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE



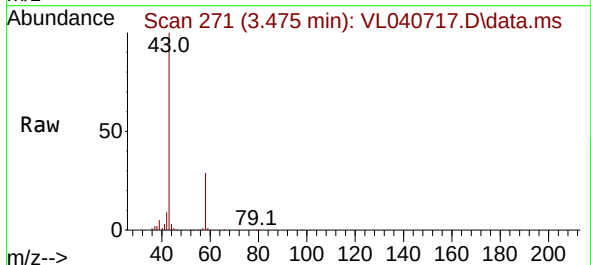
Tgt Ion: 45 Resp: 146598
Ion Ratio Lower Upper
45 100
46 36.6 15.2 61.0

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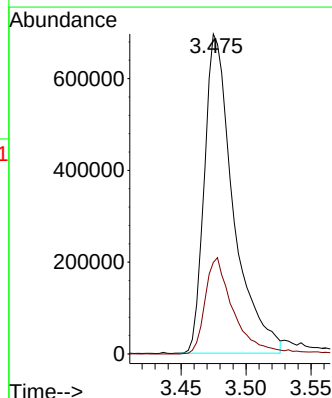
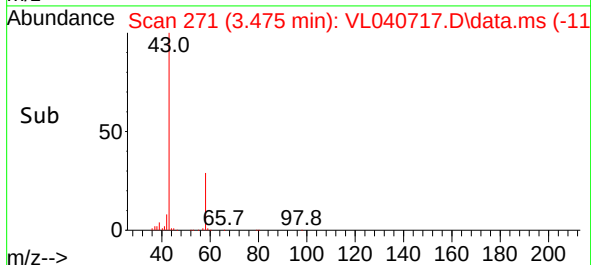
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

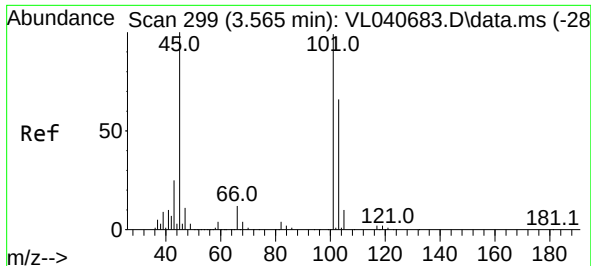


#15
Acetone
Concen: 6.290 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06



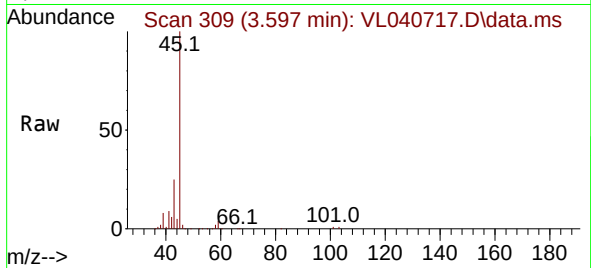
Tgt Ion: 43 Resp: 1078275
Ion Ratio Lower Upper
43 100
58 30.1 22.6 34.0





#19
Isopropyl Alcohol
Concen: 4.667 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.019 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

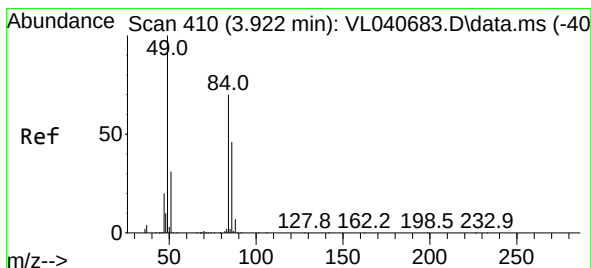
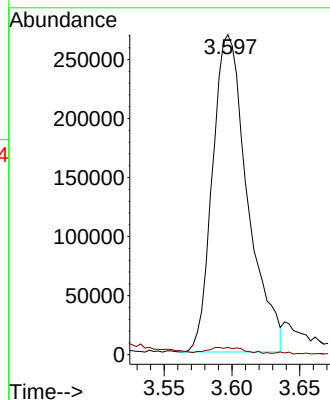
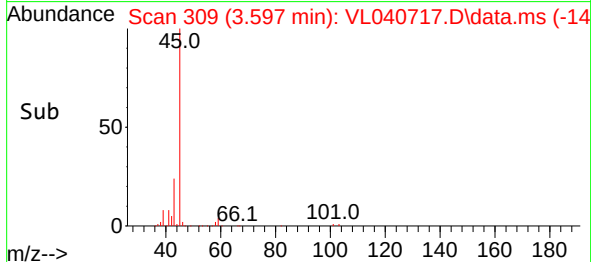
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE



Tgt Ion: 45 Resp: 482100
Ion Ratio Lower Upper
45 100
58 3.3 1.9 2.9

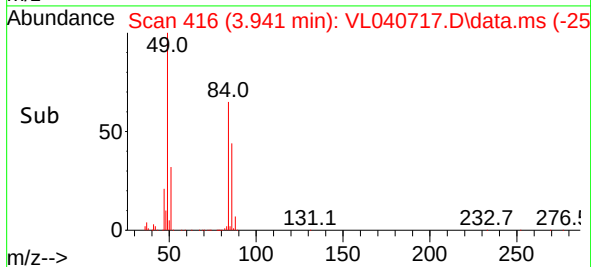
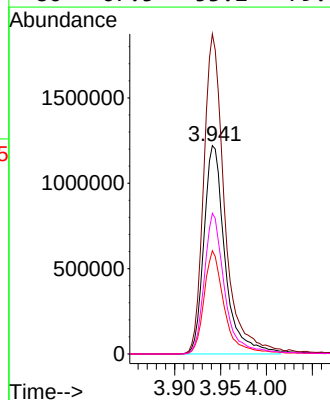
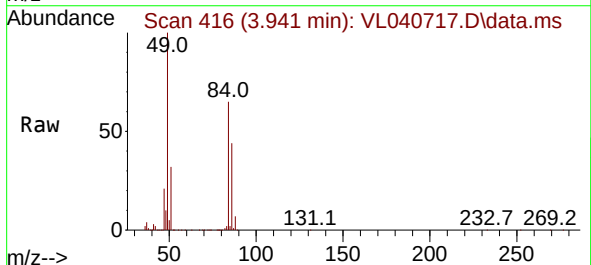
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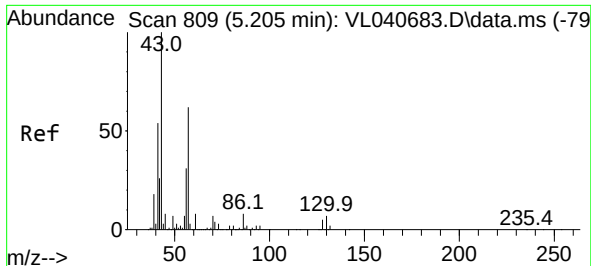
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#20
Methylene Chloride
Concen: 21.274 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

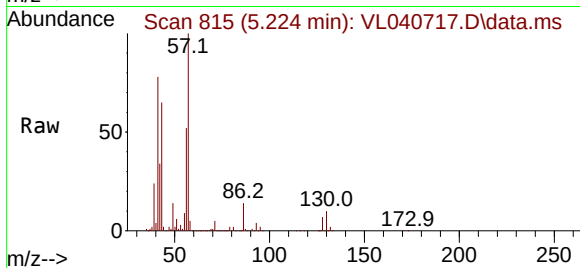
Tgt Ion: 84 Resp: 1962856
Ion Ratio Lower Upper
84 100
49 153.6 114.4 171.6
51 49.5 35.5 53.3
86 67.5 53.2 79.8





#26
Hexane
Concen: 11.866 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

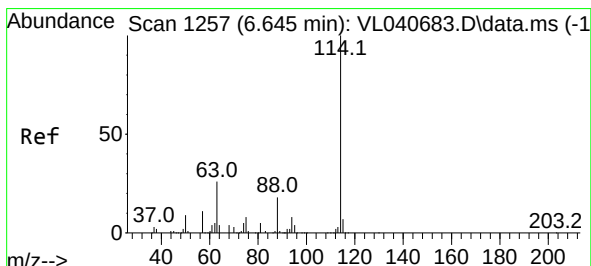
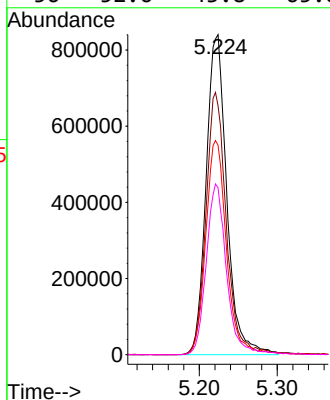
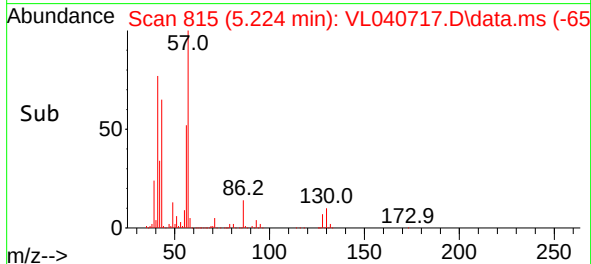
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE



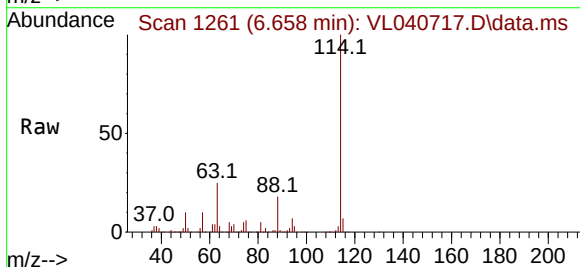
Tgt Ion: 57 Resp: 1551270
Ion Ratio Lower Upper
57 100
41 81.7 75.2 112.8
43 67.9 185.6 278.4
56 52.6 43.8 65.8

Manual Integrations
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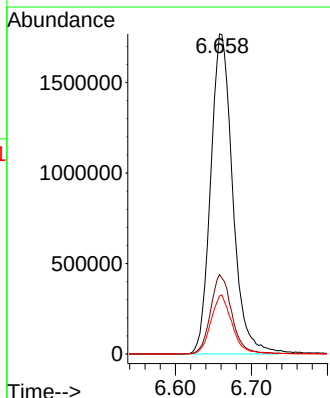
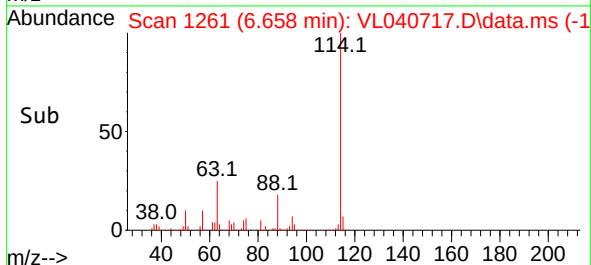
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

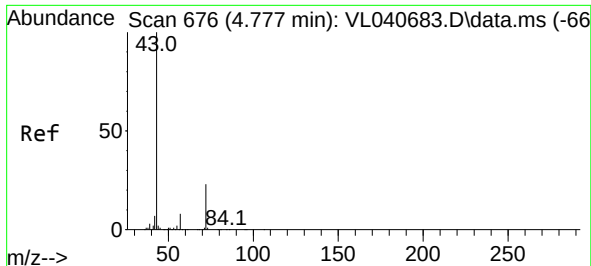


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06



Tgt Ion:114 Resp: 3548516
Ion Ratio Lower Upper
114 100
63 24.1 21.1 31.7
88 17.9 14.5 21.7





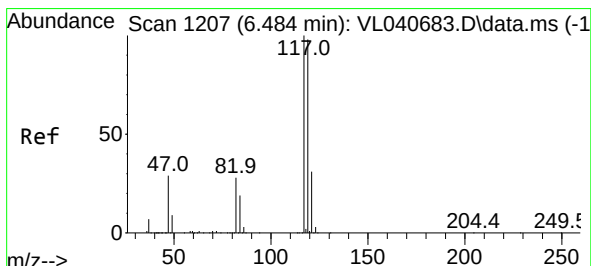
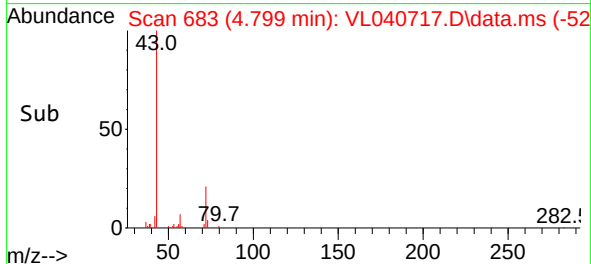
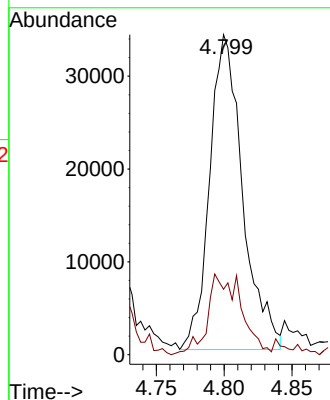
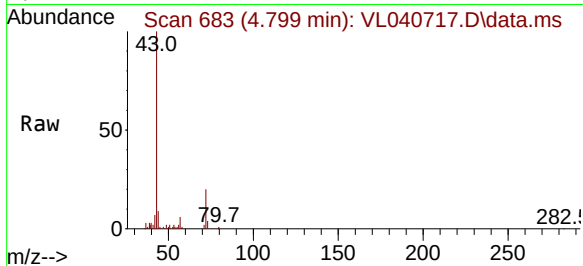
#34
2-Butanone
Concen: 0.322 ppbv
RT: 4.799 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 43 Resp: 57508
Ion Ratio Lower Upper
43 100
72 29.0 18.6 27.8

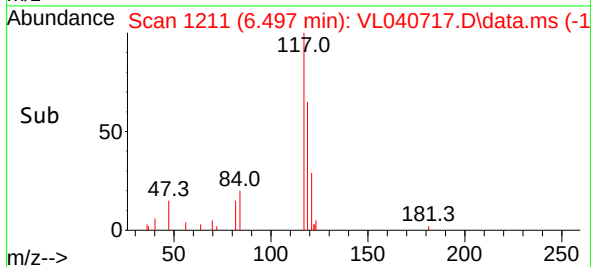
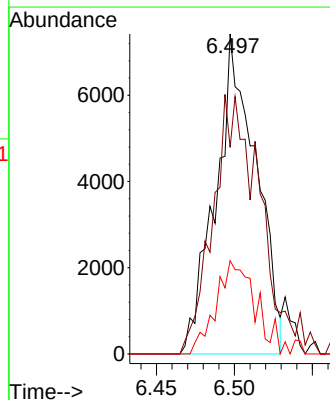
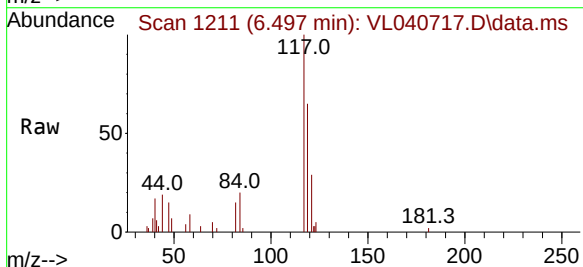
Manual Integrations
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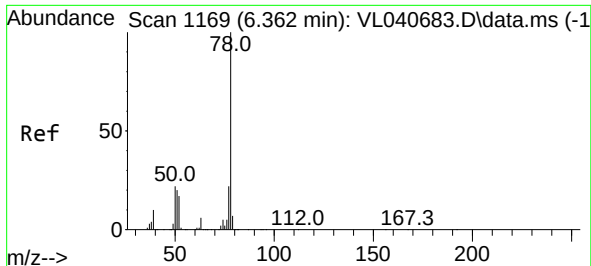
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#35
Carbon Tetrachloride
Concen: 0.055 ppbv
RT: 6.497 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

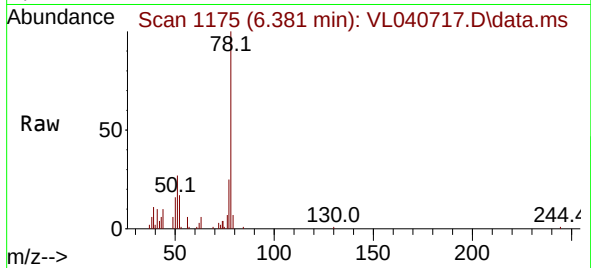
Tgt Ion:117 Resp: 13344
Ion Ratio Lower Upper
117 100
119 64.6 78.6 117.8#
121 29.2 24.7 37.1





#36
Benzene
Concen: 0.182 ppbv m
RT: 6.381 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

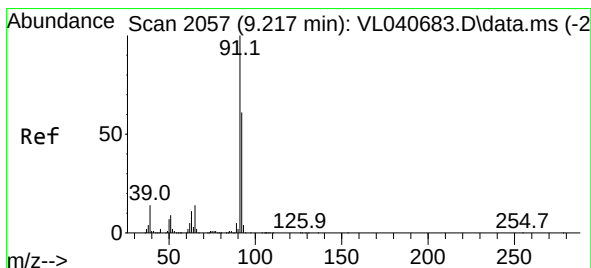
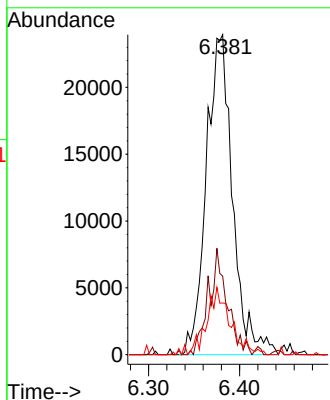
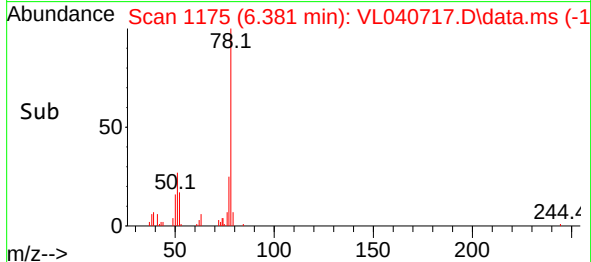
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE



Tgt Ion: 78 Resp: 47930
Ion Ratio Lower Upper
78 100
77 24.6 17.9 26.9
50 16.2 17.3 25.9

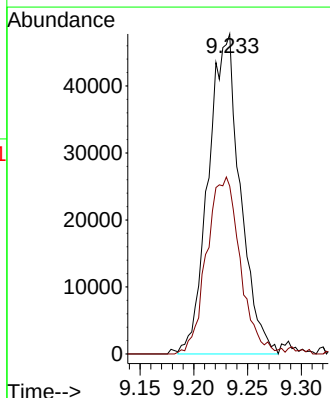
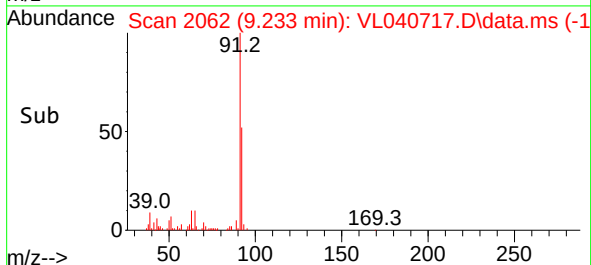
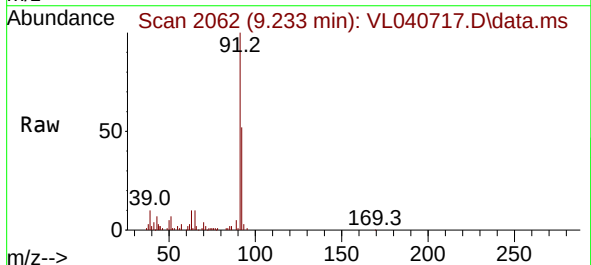
Manual Integrations
APPROVED

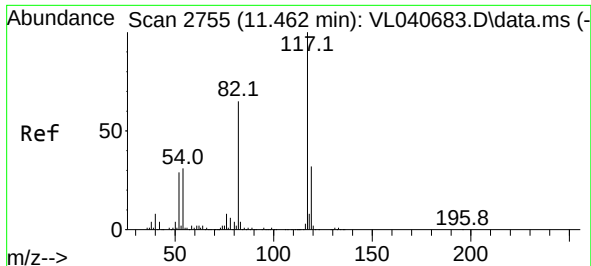
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#53
Toluene
Concen: 0.356 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

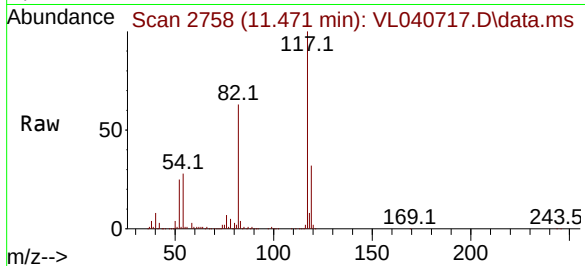
Tgt Ion: 91 Resp: 98675
Ion Ratio Lower Upper
91 100
92 59.0 48.5 72.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

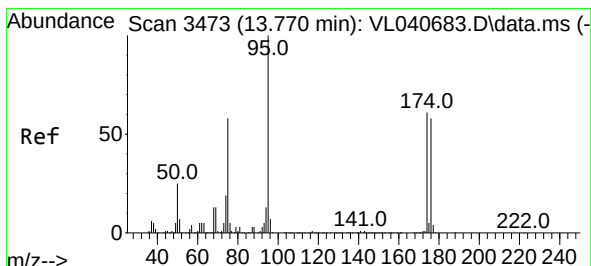
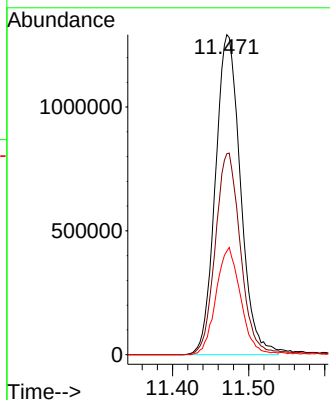
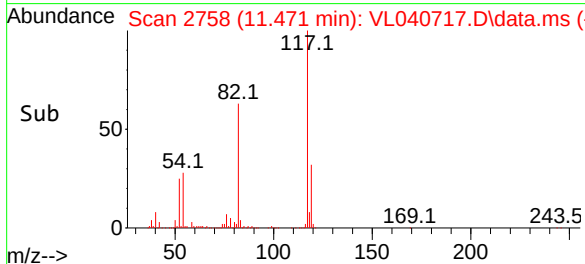
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE



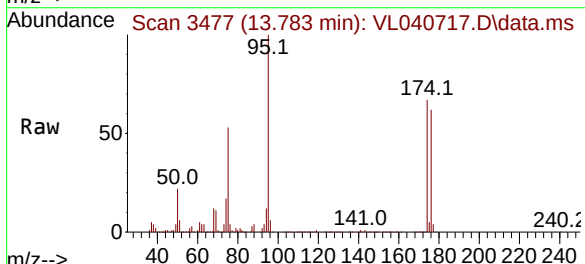
Tgt Ion: 117 Resp: 2962590
Ion Ratio Lower Upper
117 100
82 64.4 51.4 77.0
119 33.2 24.7 37.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.334 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06



Tgt Ion: 95 Resp: 2136468
Ion Ratio Lower Upper
95 100
174 66.6 48.9 73.3
175 4.8 3.5 5.3

