

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040946.D
 Acq On : 22 Dec 2023 1:27
 Operator : SY/MD
 Sample : 05848-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
 Supervised By :Mahesh Dadoda 12/26/2023

Quant Time: Dec 22 03:42:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1214289	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	3259098	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2828904	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	2036901	9.775	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.684	51	86453	0.473	ppbv #	61
9) Propene	2.739	41	6721m	0.111	ppbv	
13) Ethanol	3.275	45	54807	3.603	ppbv	92
15) Acetone	3.501	43	110040	0.756	ppbv	94
20) Methylene Chloride	3.944	84	12440m	0.240	ppbv	
25) Ethyl Acetate	5.214	43	51273	0.203	ppbv #	85
26) Hexane	5.211	57	59957	0.536	ppbv #	42
31) cis-1,2-Dichloroethene	5.079	61	28837m	0.251	ppbv	
34) 2-Butanone	4.800	43	194048	1.126	ppbv #	90
38) Trichloroethene	7.272	130	139631m	1.459	ppbv	
51) 2-Hexanone	9.542	43	53296m	0.284	ppbv	
52) Tetrachloroethene	10.587	164	1967722	22.927	ppbv	96
53) Toluene	9.204	91	31279m	0.111	ppbv	

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

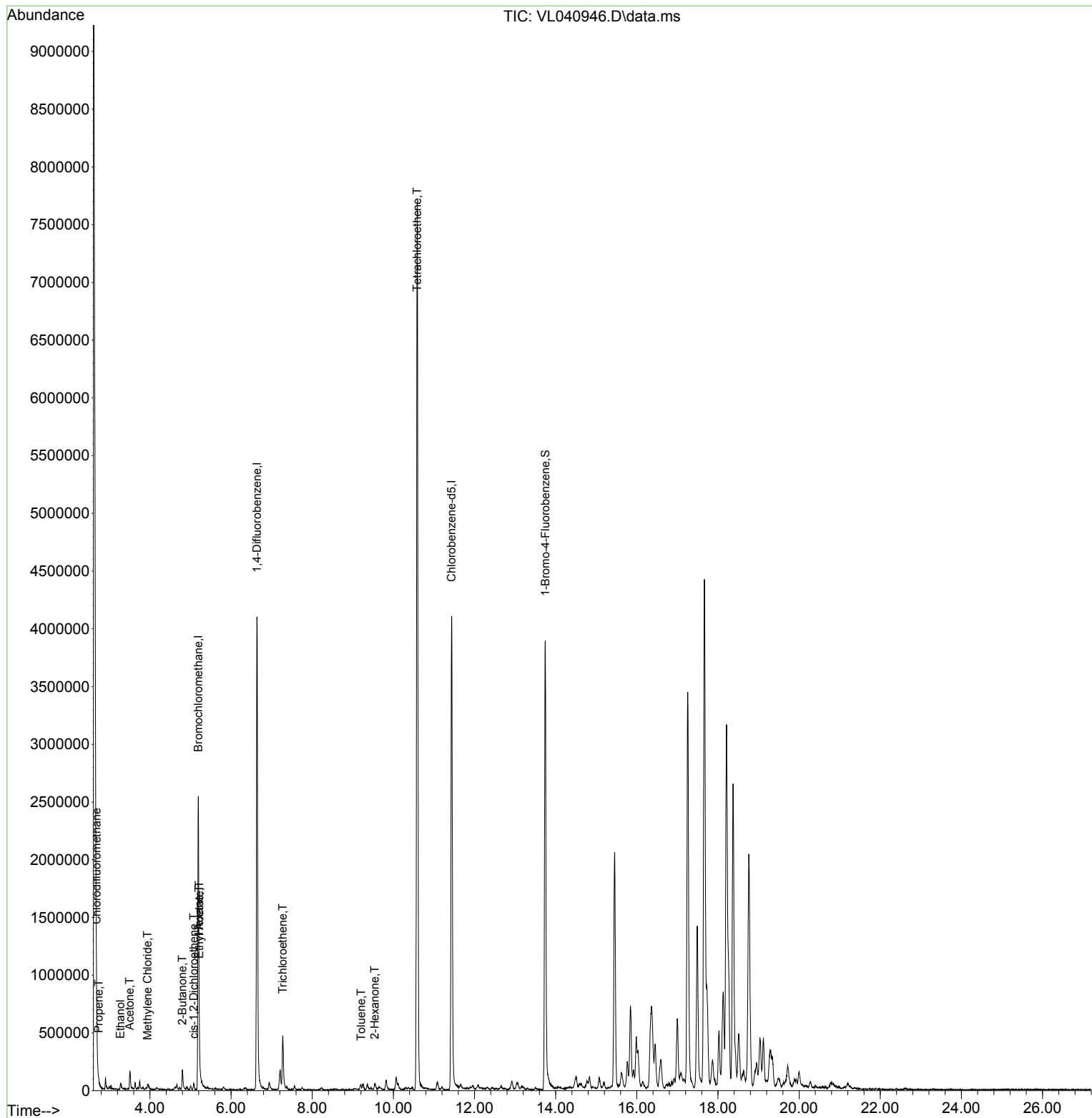
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040946.D
Acq On : 22 Dec 2023 1:27
Operator : SY/MD
Sample : 05848-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

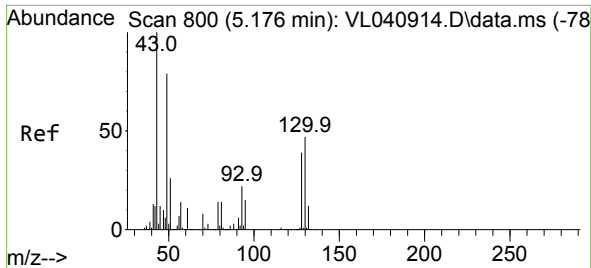
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

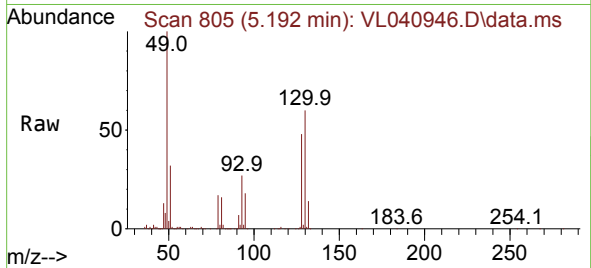
Quant Time: Dec 22 03:42:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 21 07:32:42 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

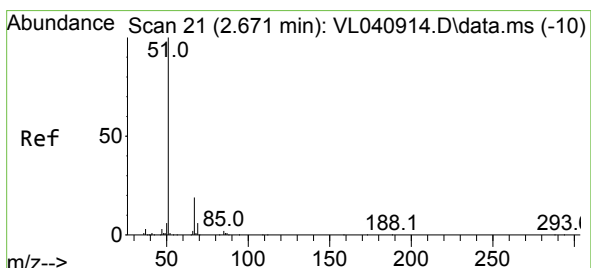
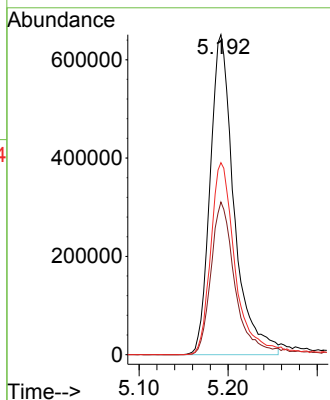
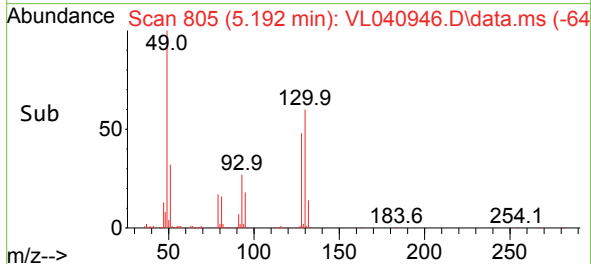
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



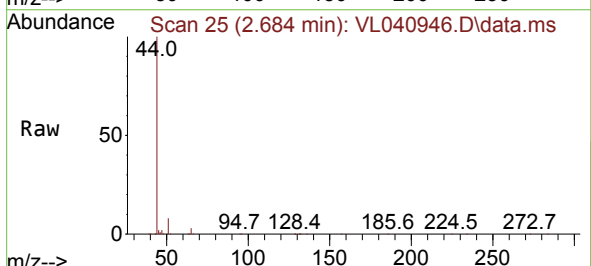
Tgt Ion: 49 Resp: 1214289
Ion Ratio Lower Upper
49 100
128 49.8 23.8 71.2
130 63.8 30.1 90.5

Manual Integrations
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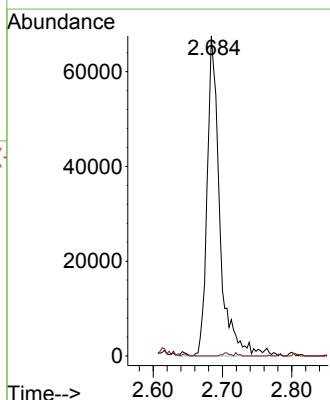
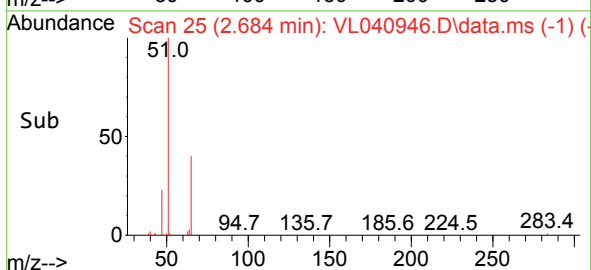
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

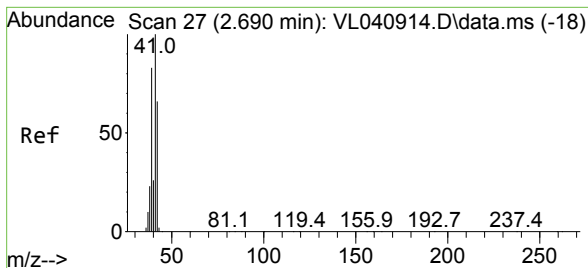


#3
Chlorodifluoromethane
Concen: 0.473 ppbv
RT: 2.684 min Scan# 25
Delta R.T. 0.013 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27



Tgt Ion: 51 Resp: 86453
Ion Ratio Lower Upper
51 100
67 0.8 14.7 22.1#





#9

Propene

Concen: 0.111 ppbv m

RT: 2.739 min Scan# 41

Delta R.T. 0.048 min

Lab File: VL040946.D

Acq: 22 Dec 2023 1:27

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

Tgt Ion: 41 Resp: 672

Ion Ratio Lower Upper

41 100

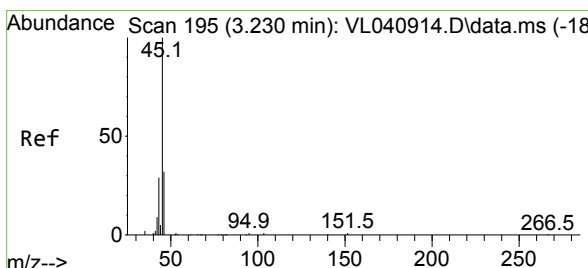
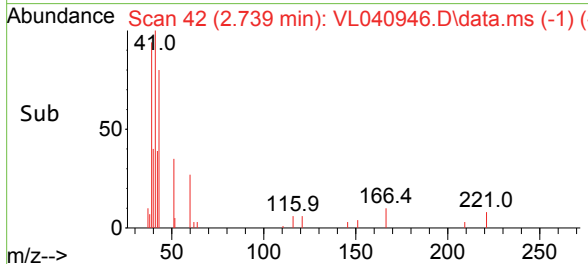
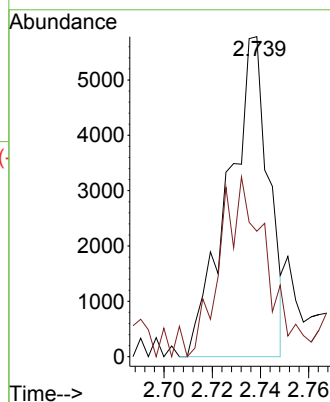
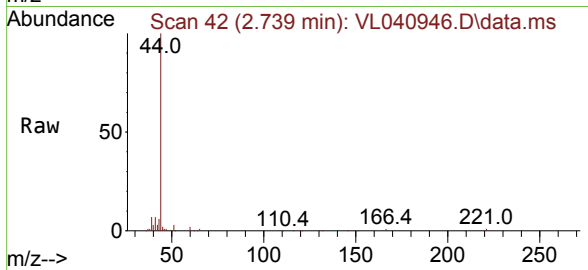
42 27.7 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/22/2023

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#13

Ethanol

Concen: 3.603 ppbv

RT: 3.275 min Scan# 209

Delta R.T. 0.045 min

Lab File: VL040946.D

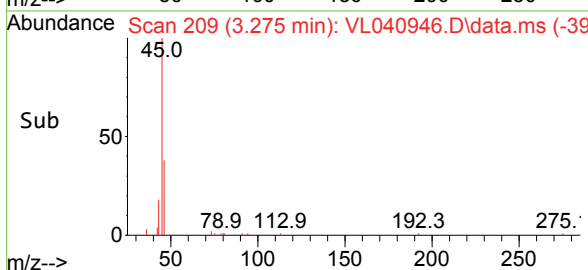
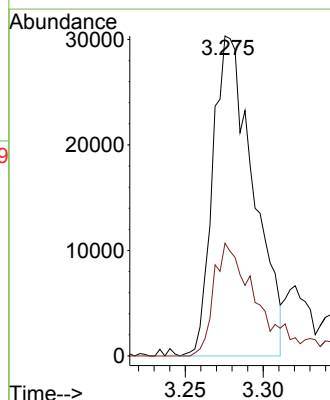
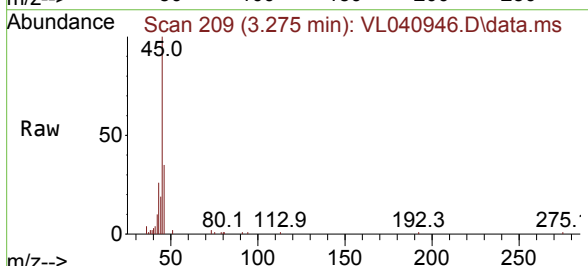
Acq: 22 Dec 2023 1:27

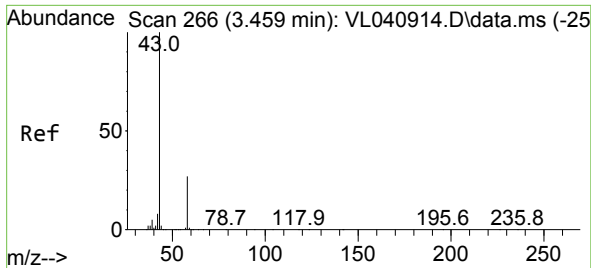
Tgt Ion: 45 Resp: 54807

Ion Ratio Lower Upper

45 100

46 42.5 15.0 60.0





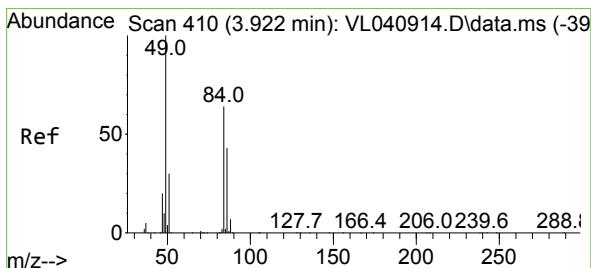
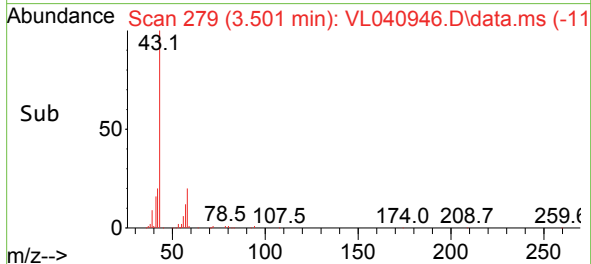
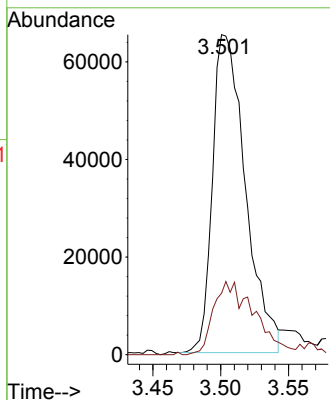
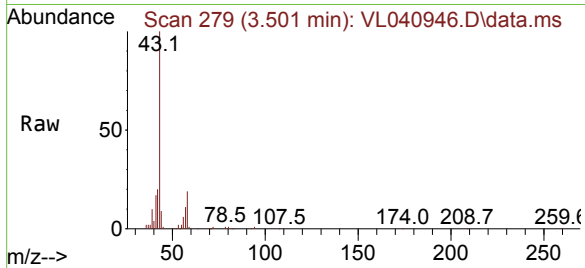
#15
Acetone
Concen: 0.756 ppbv
RT: 3.501 min Scan# 21
Delta R.T. 0.042 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tgt Ion: 43 Resp: 110040
Ion Ratio Lower Upper
43 100
58 28.7 20.6 30.8

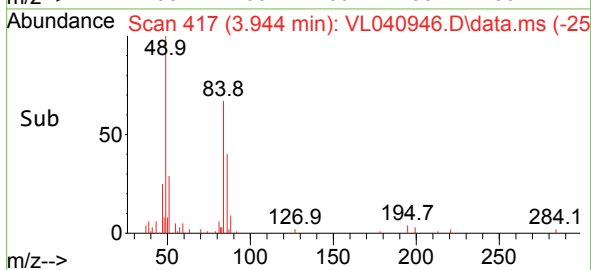
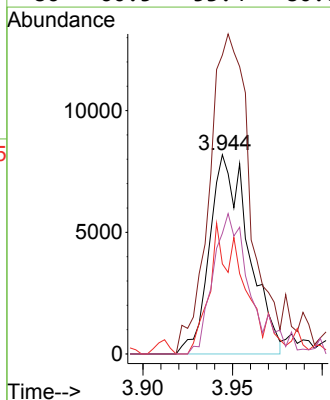
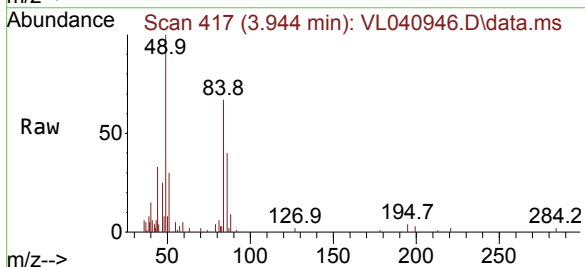
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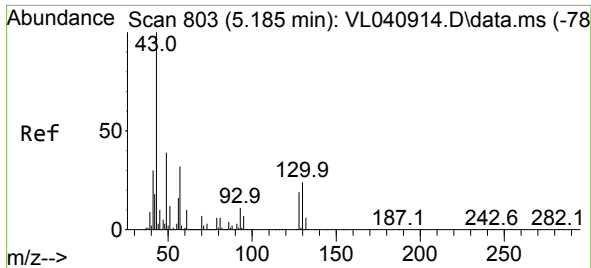
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#20
Methylene Chloride
Concen: 0.240 ppbv m
RT: 3.944 min Scan# 417
Delta R.T. 0.023 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

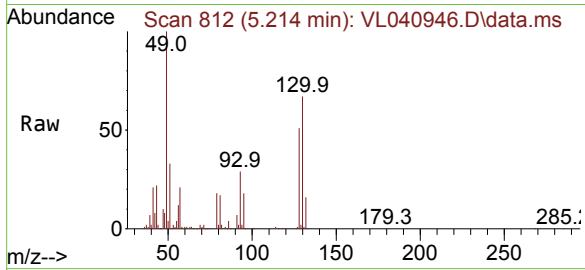
Tgt Ion: 84 Resp: 12440
Ion Ratio Lower Upper
84 100
49 150.0 124.6 187.0
51 45.2 37.2 55.8
86 60.5 53.4 80.0





#25
Ethyl Acetate
Concen: 0.203 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.029 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

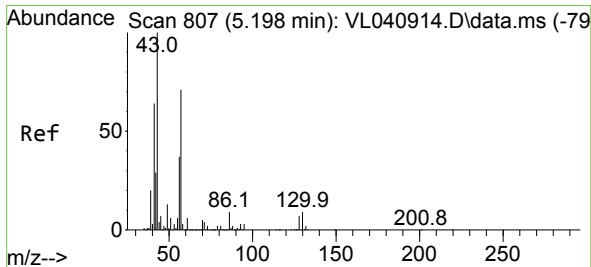
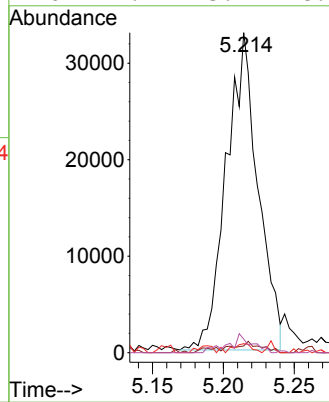
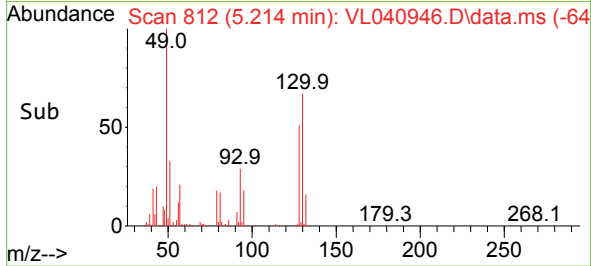
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 43 Resp: 5127
Ion Ratio Lower Upper
43 100
45 3.9 8.2 12.2
61 2.3 7.6 11.4
70 4.4 5.4 8.2

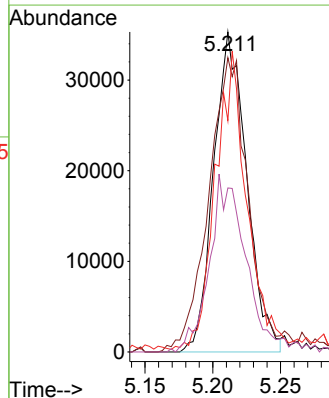
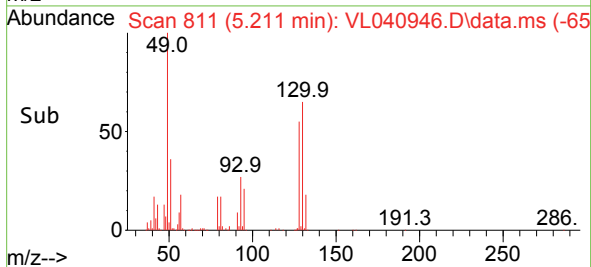
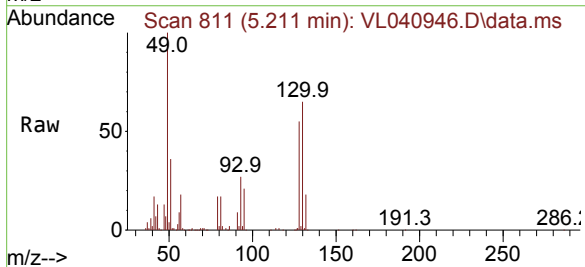
Manual Integrations
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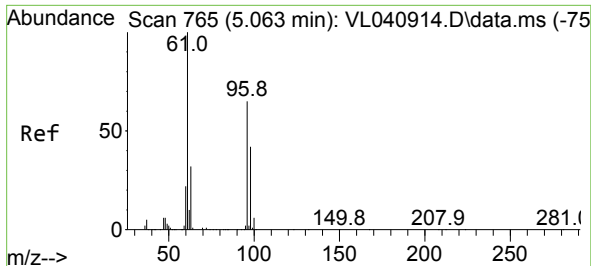
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#26
Hexane
Concen: 0.536 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

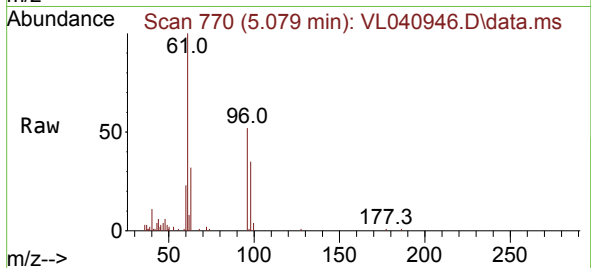
Tgt Ion: 57 Resp: 59957
Ion Ratio Lower Upper
57 100
41 112.6 75.2 112.8
43 93.2 188.0 282.0
56 61.2 42.3 63.5





#31
cis-1,2-Dichloroethene
Concen: 0.251 ppbv m
RT: 5.079 min Scan# 71
Delta R.T. 0.016 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

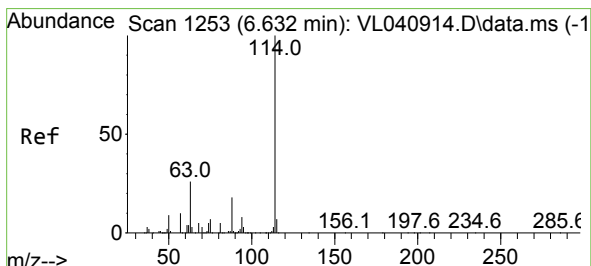
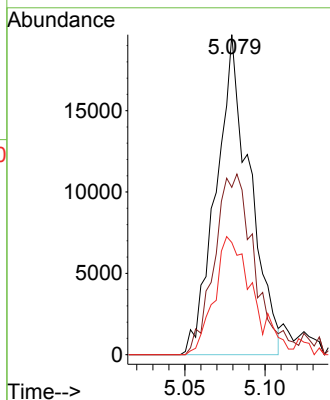
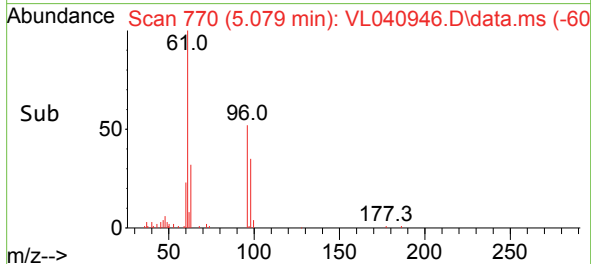
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



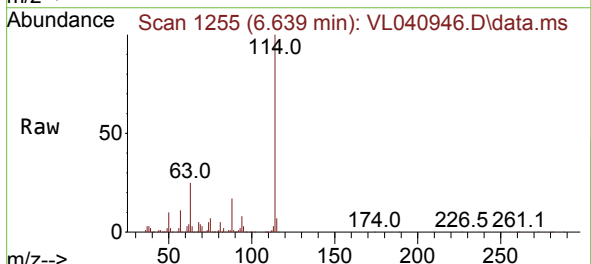
Tgt Ion: 61 Resp: 2883
Ion Ratio Lower Upper
61 100
96 52.3 51.7 77.5
98 35.1 33.2 49.8

Manual Integrations
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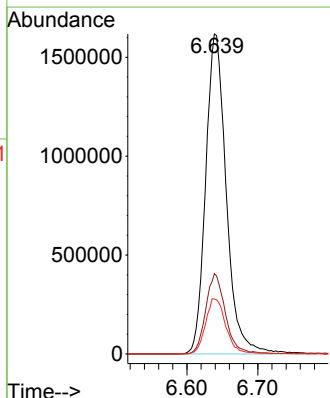
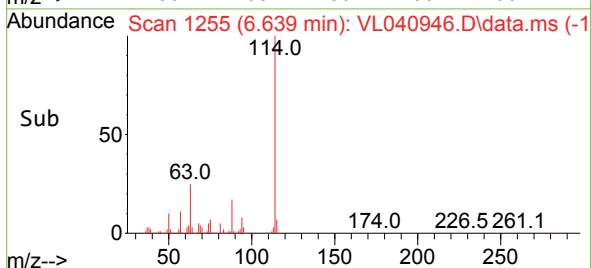
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

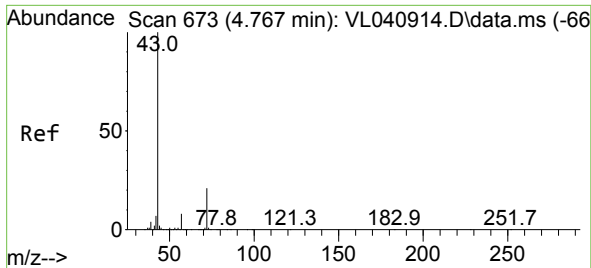


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.007 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27



Tgt Ion:114 Resp: 3259098
Ion Ratio Lower Upper
114 100
63 24.4 21.0 31.6
88 17.2 14.3 21.5





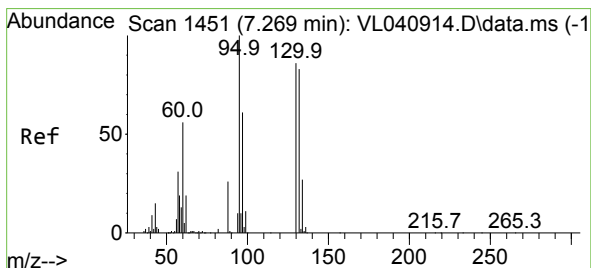
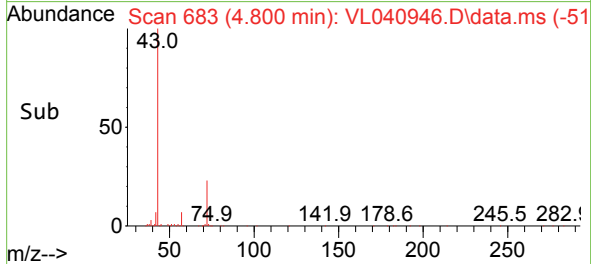
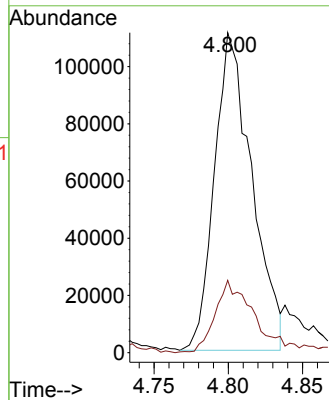
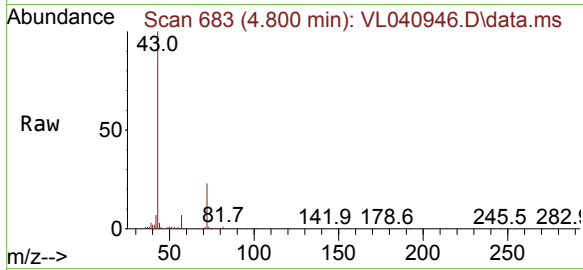
#34
2-Butanone
Concen: 1.126 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.032 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tgt Ion: 43 Resp: 194048
Ion Ratio Lower Upper
43 100
72 26.0 17.2 25.8

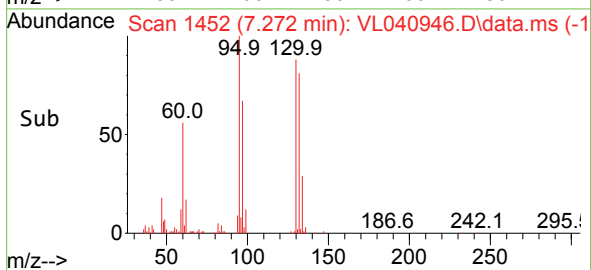
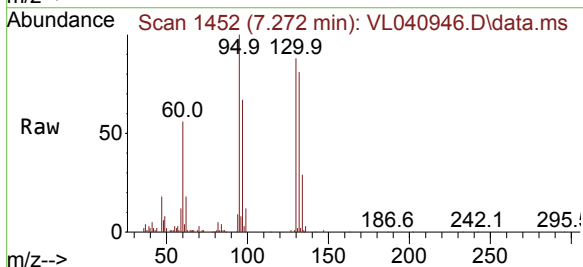
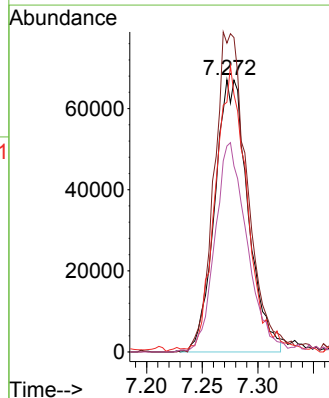
Manual Integrations
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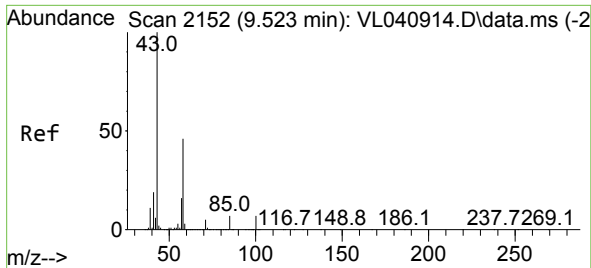
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#38
Trichloroethene
Concen: 1.459 ppbv m
RT: 7.272 min Scan# 1452
Delta R.T. 0.003 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

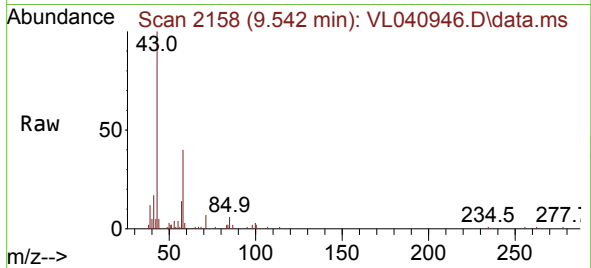
Tgt Ion:130 Resp: 139631
Ion Ratio Lower Upper
130 100
95 113.5 93.5 140.3
132 91.8 77.4 116.2
97 75.7 57.3 85.9





#51
2-Hexanone
Concen: 0.284 ppbv m
RT: 9.542 min Scan# 2152
Delta R.T. 0.019 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

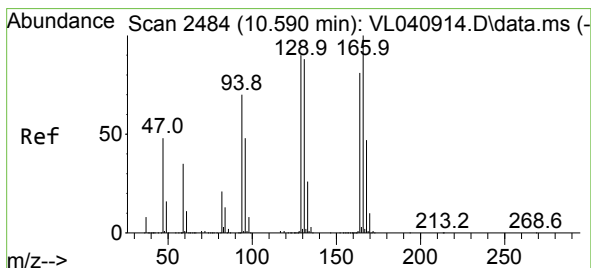
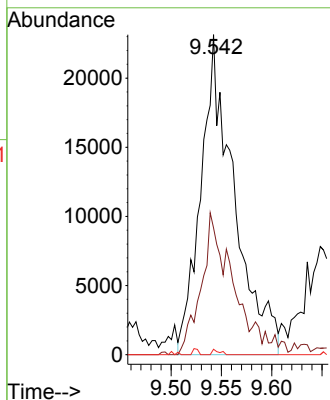
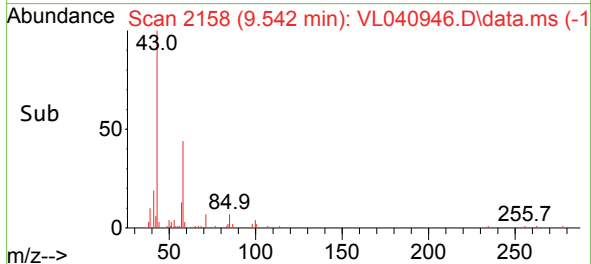
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 43 Resp: 53290
Ion Ratio Lower Upper
43 100
58 45.9 37.3 55.9
98 0.4 0.2 0.2

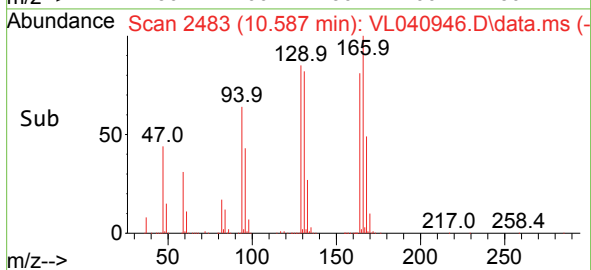
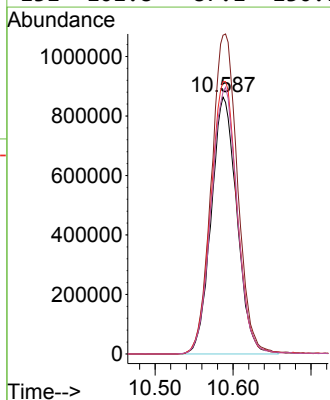
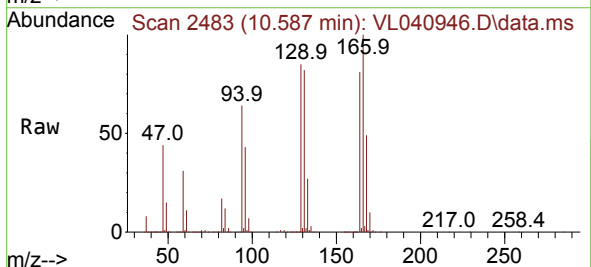
Manual Integrations
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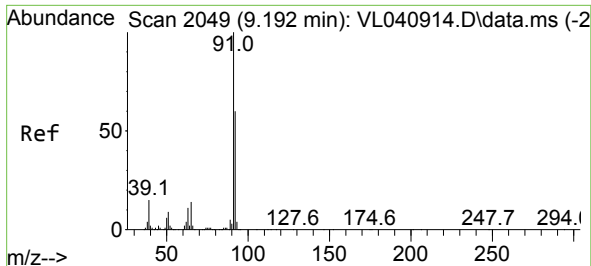
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#52
Tetrachloroethene
Concen: 22.927 ppbv
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

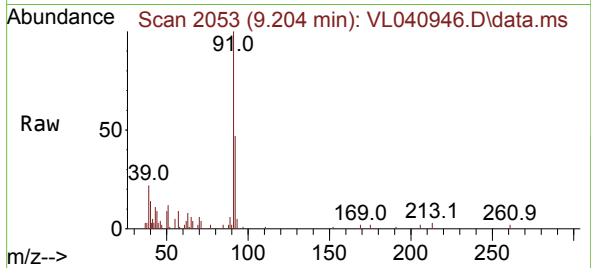
Tgt Ion:164 Resp: 1967722
Ion Ratio Lower Upper
164 100
166 124.0 98.9 148.3
129 106.0 88.7 133.1
131 101.8 87.1 130.7





#53
Toluene
Concen: 0.111 ppbv m
RT: 9.204 min Scan# 2049
Delta R.T. 0.013 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27

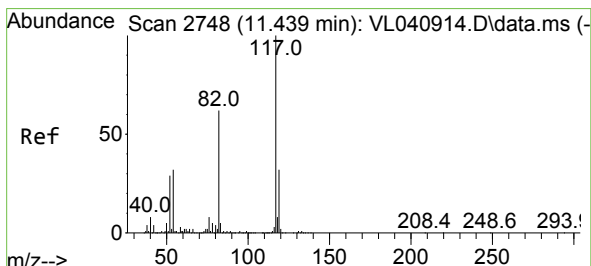
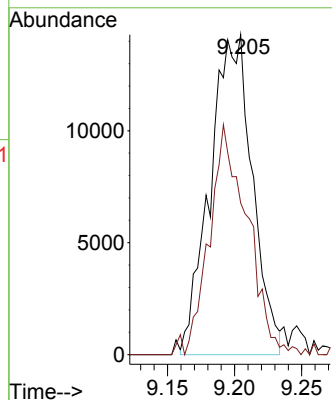
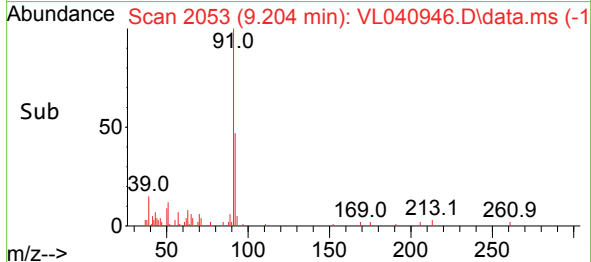
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



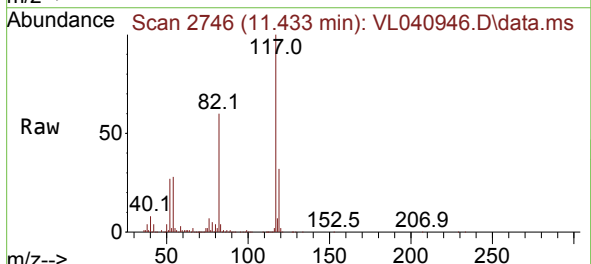
Tgt Ion: 91 Resp: 31279
Ion Ratio Lower Upper
91 100
92 0.0 49.2 73.8

Manual Integrations
APPROVED

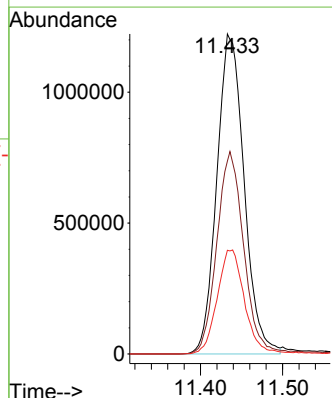
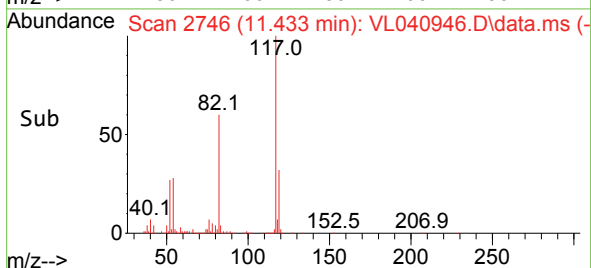
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

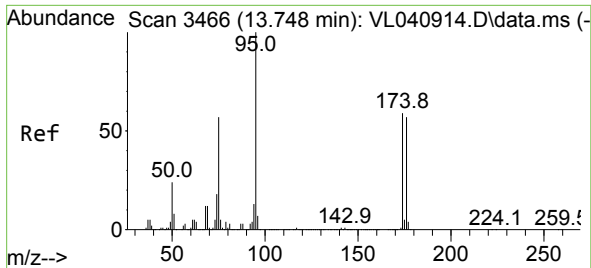


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 2746
Delta R.T. -0.006 min
Lab File: VL040946.D
Acq: 22 Dec 2023 1:27



Tgt Ion:117 Resp: 2828904
Ion Ratio Lower Upper
117 100
82 63.0 49.6 74.4
119 32.8 23.4 35.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.775 ppbv
 RT: 13.745 min Scan# 3465
 Delta R.T. -0.003 min
 Lab File: VL040946.D
 Acq: 22 Dec 2023 1:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Tgt Ion: 95 Resp: 203690

Ion	Ratio	Lower	Upper
95	100		
174	64.6	48.0	72.0
175	4.9	3.7	5.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
 Supervised By :Mahesh Dadoda 12/26/2023

