

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040940.D
 Acq On : 21 Dec 2023 21:42
 Operator : SY/MD
 Sample : 05848-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 22 00:12:06 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	5.185	49	1266309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3455702	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	3014147	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2149135	9.680	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
10) Heptane	7.555	43	15161m	0.097	ppbv	
13) Ethanol	3.275	45	10870m	0.685	ppbv	
15) Acetone	3.491	43	265573	1.749	ppbv #	90
20) Methylene Chloride	3.938	84	14754m	0.273	ppbv	
25) Ethyl Acetate	5.208	43	117323	0.446	ppbv #	82
26) Hexane	5.211	57	161357m	1.384	ppbv	
31) cis-1,2-Dichloroethene	5.070	61	29077	0.243	ppbv	91
34) 2-Butanone	4.793	43	223526	1.223	ppbv	93
38) Trichloroethene	7.272	130	466109	4.594	ppbv	95
51) 2-Hexanone	9.539	43	65337m	0.328	ppbv	
52) Tetrachloroethene	10.597	164	8356150	91.824	ppbv	92
53) Toluene	9.192	91	30212	0.101	ppbv	98

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

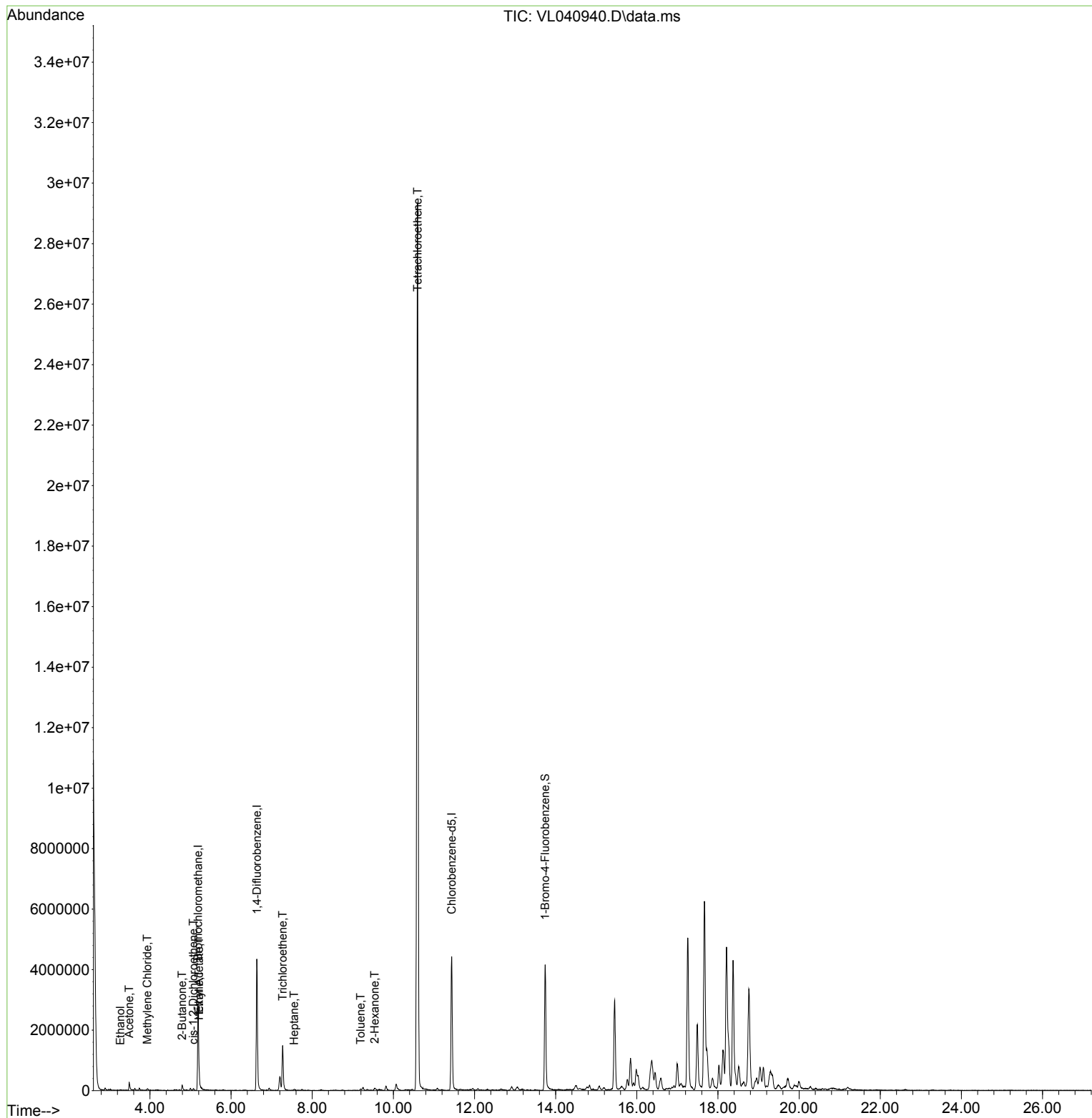
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040940.D
Acq On : 21 Dec 2023 21:42
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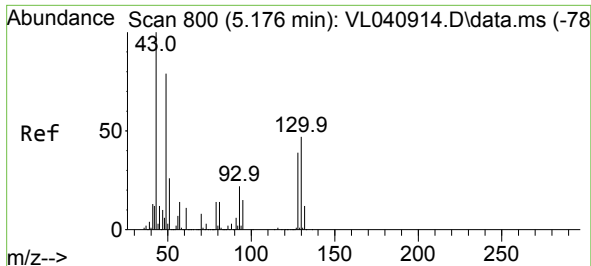
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Quant Time: Dec 22 00:12:06 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

Manual Integrations
APPROVED

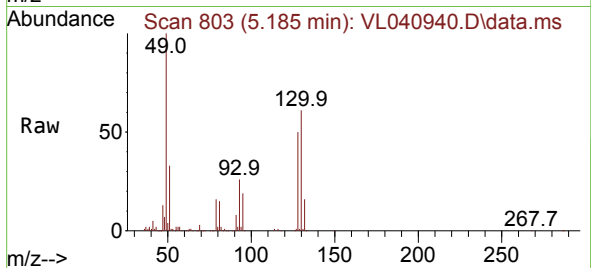
Reviewed By : Semsettin Yesilyurt 12/22/2023
Supervised By : Mahesh Dadoda 12/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 800
Delta R.T. 0.009 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

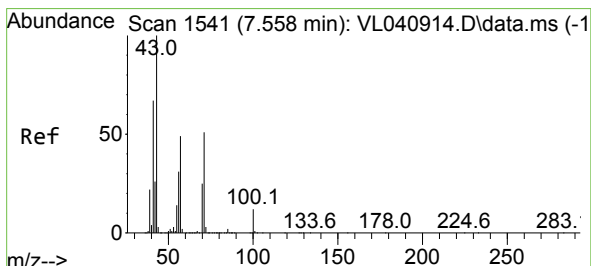
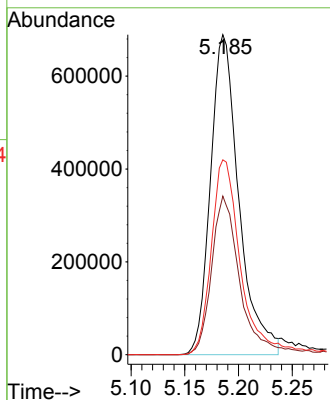
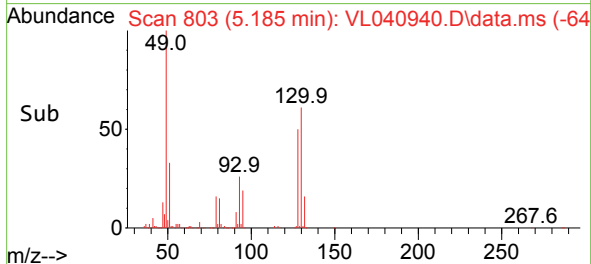
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 49 Resp: 1266309
Ion Ratio Lower Upper
49 100
128 51.2 23.8 71.2
130 65.0 30.1 90.5

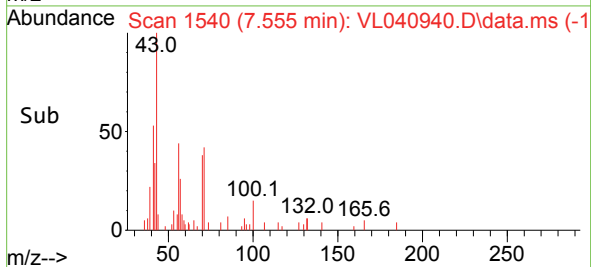
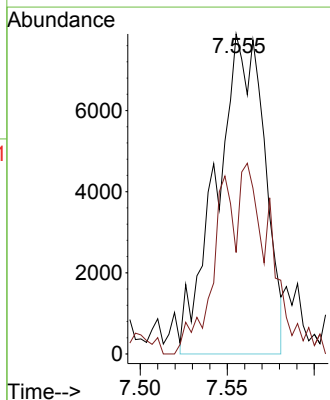
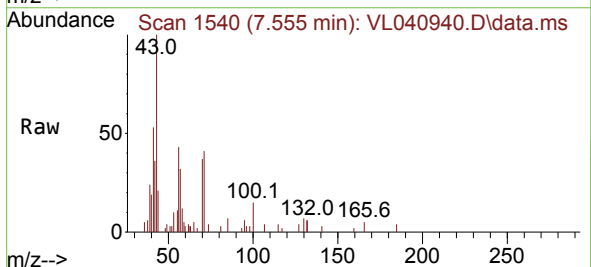
Manual Integrations
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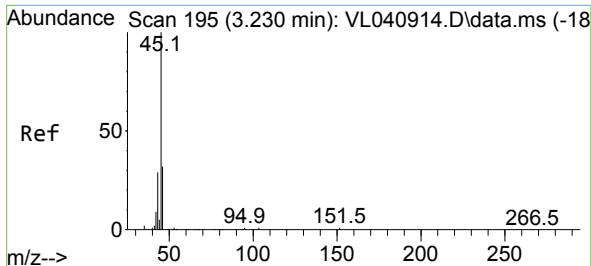
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#10
Heptane
Concen: 0.097 ppbv m
RT: 7.555 min Scan# 1540
Delta R.T. -0.003 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

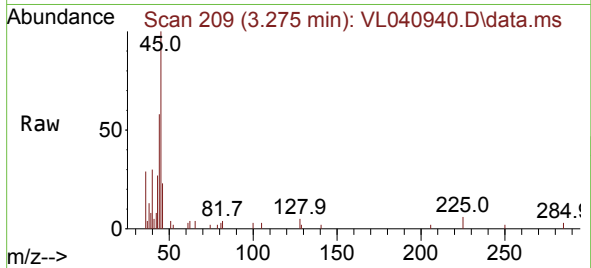
Tgt Ion: 43 Resp: 15161
Ion Ratio Lower Upper
43 100
57 0.0 39.3 58.9#





#13
Ethanol
Concen: 0.685 ppbv m
RT: 3.275 min Scan# 209
Delta R.T. 0.045 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

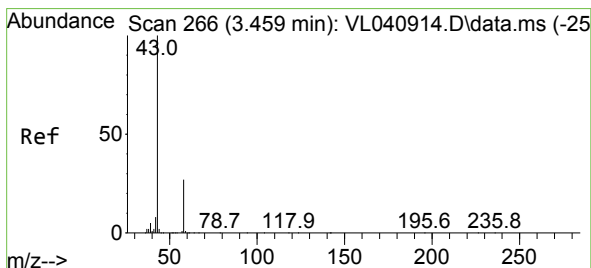
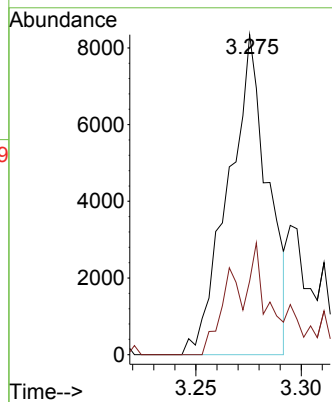
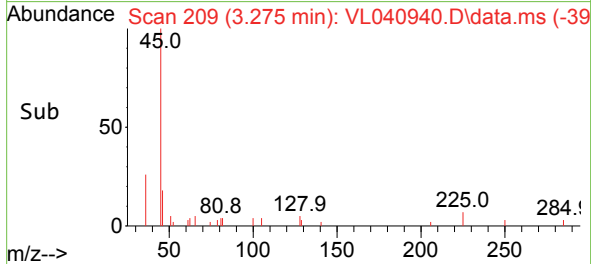
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



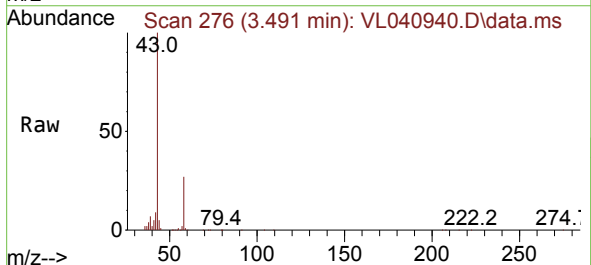
Tgt Ion: 45 Resp: 10870
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0

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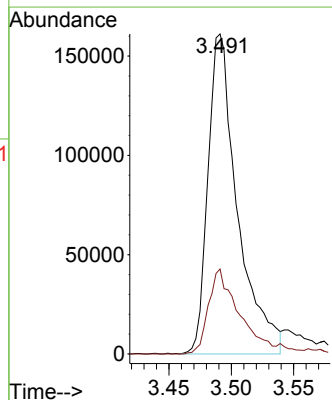
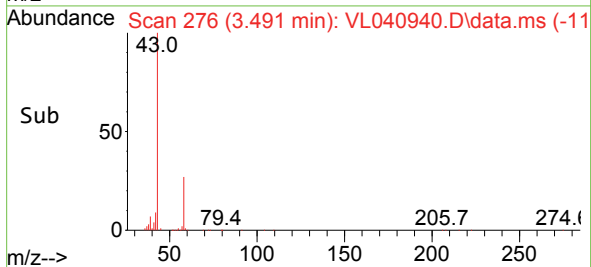
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

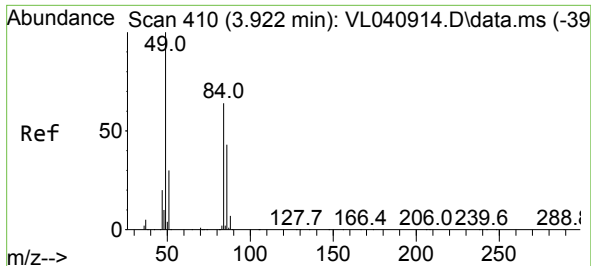


#15
Acetone
Concen: 1.749 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.032 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42



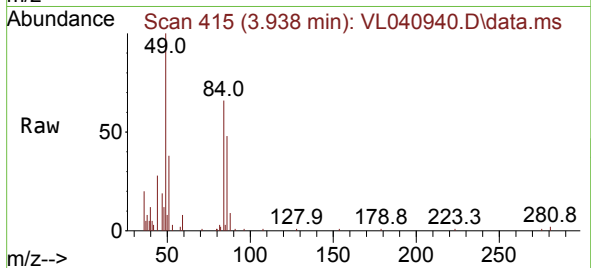
Tgt Ion: 43 Resp: 265573
Ion Ratio Lower Upper
43 100
58 31.0 20.6 30.8





#20
Methylene Chloride
Concen: 0.273 ppbv m
RT: 3.938 min Scan# 410
Delta R.T. 0.016 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

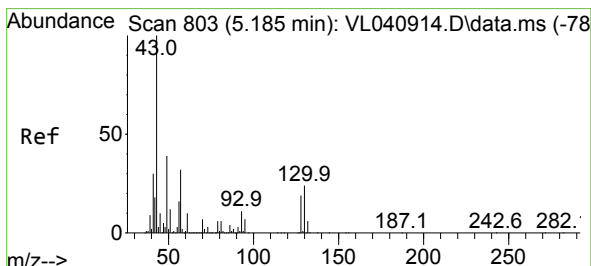
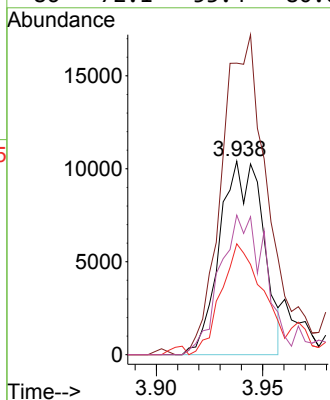
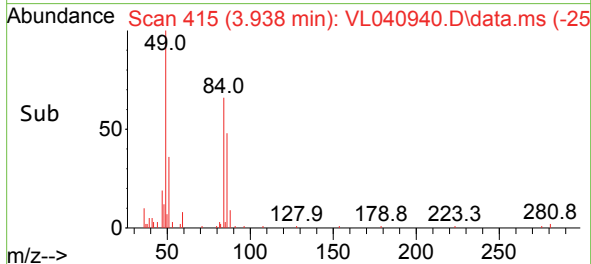
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 84 Resp: 14754
Ion Ratio Lower Upper
84 100
49 150.6 124.6 187.0
51 57.3 37.2 55.8
86 72.1 53.4 80.0

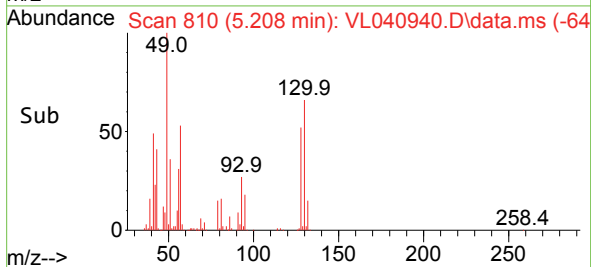
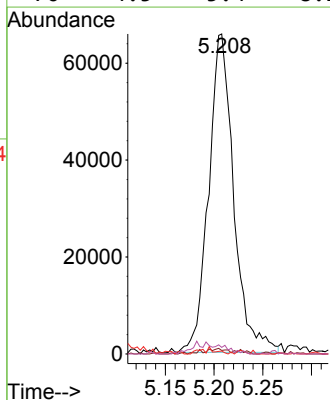
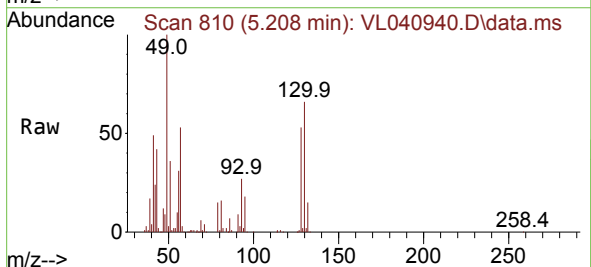
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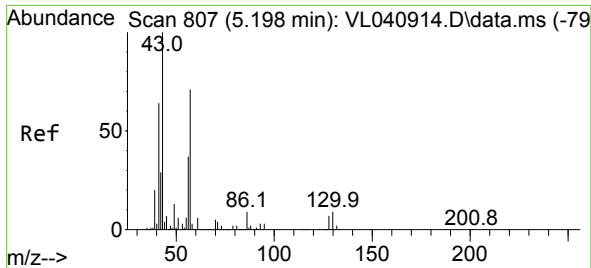
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#25
Ethyl Acetate
Concen: 0.446 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.023 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

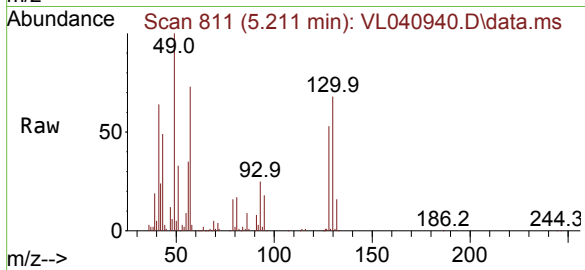
Tgt Ion: 43 Resp: 117323
Ion Ratio Lower Upper
43 100
45 2.7 8.2 12.2#
61 1.1 7.6 11.4#
70 4.5 5.4 8.2#





#26
Hexane
Concen: 1.384 ppbv m
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

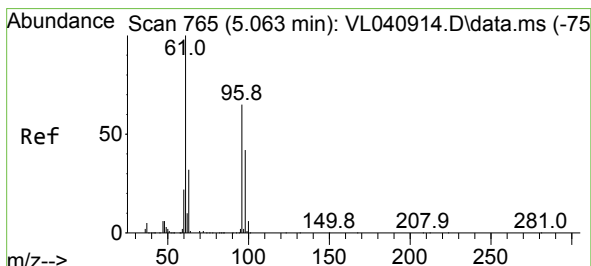
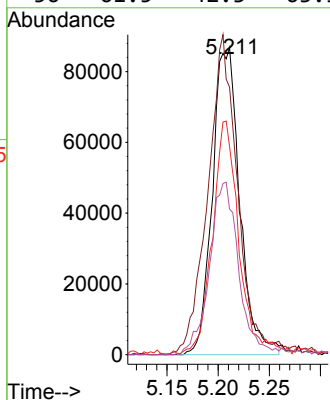
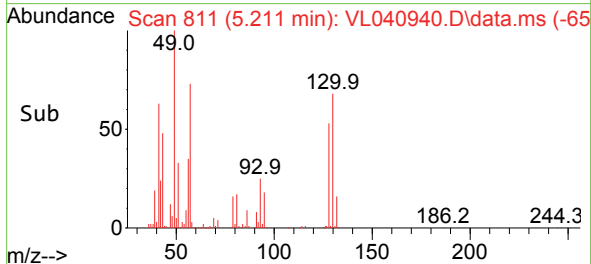
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 57 Resp: 16135
Ion Ratio Lower Upper
57 100
41 0.0 75.2 112.8
43 76.5 188.0 282.0
56 61.5 42.3 63.5

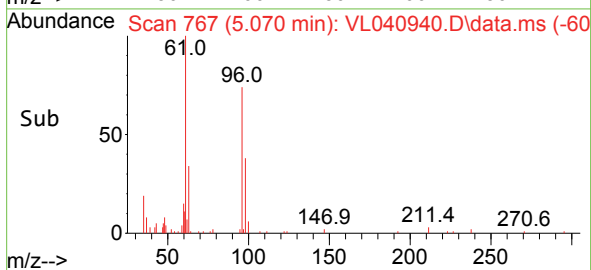
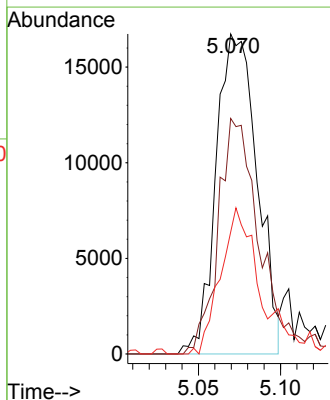
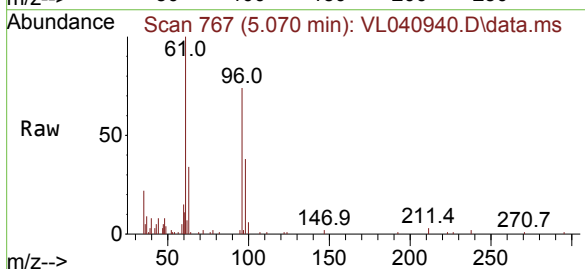
Manual Integrations
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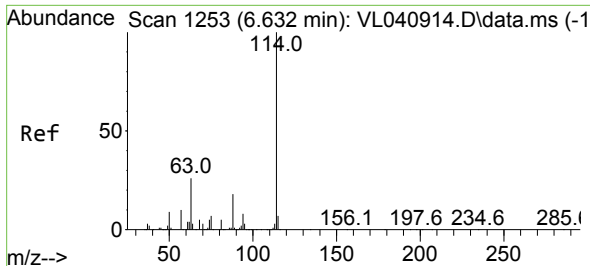
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#31
cis-1,2-Dichloroethene
Concen: 0.243 ppbv
RT: 5.070 min Scan# 767
Delta R.T. 0.007 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

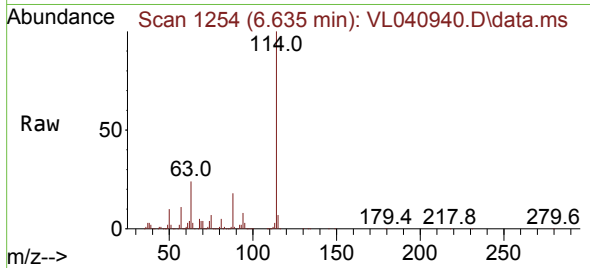
Tgt Ion: 61 Resp: 29077
Ion Ratio Lower Upper
61 100
96 73.6 51.7 77.5
98 38.1 33.2 49.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

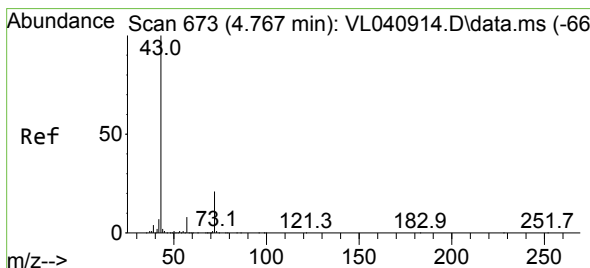
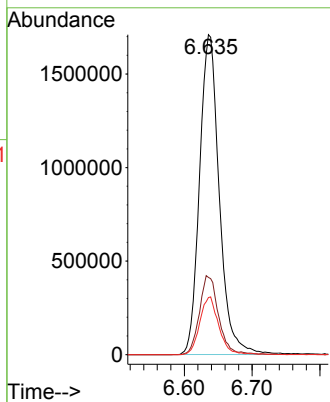
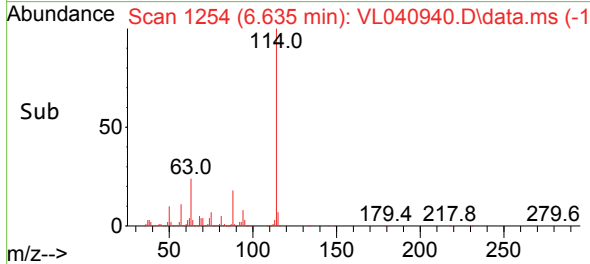
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:114 Resp: 345570
Ion Ratio Lower Upper
114 100
63 24.1 21.0 31.6
88 17.5 14.3 21.5

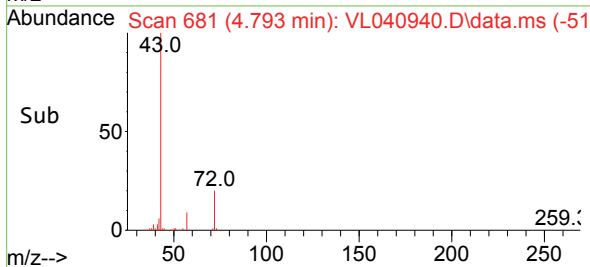
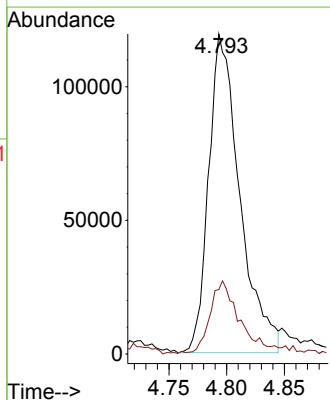
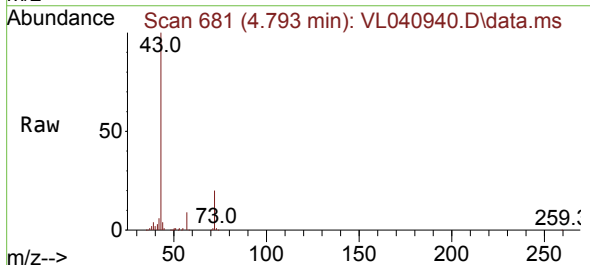
Manual Integrations
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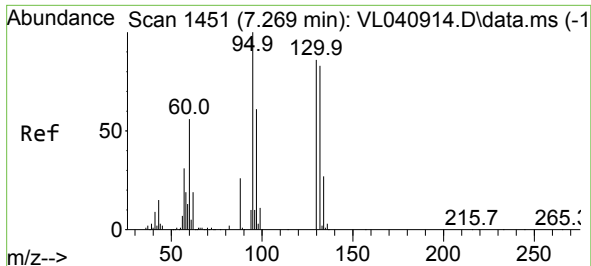
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#34
2-Butanone
Concen: 1.223 ppbv
RT: 4.793 min Scan# 681
Delta R.T. 0.026 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

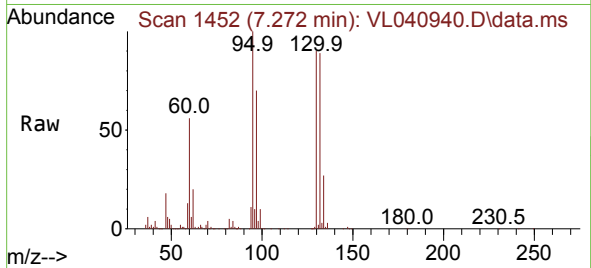
Tgt Ion: 43 Resp: 223526
Ion Ratio Lower Upper
43 100
72 24.7 17.2 25.8





#38
Trichloroethene
Concen: 4.594 ppbv
RT: 7.272 min Scan# 1452
Delta R.T. 0.003 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

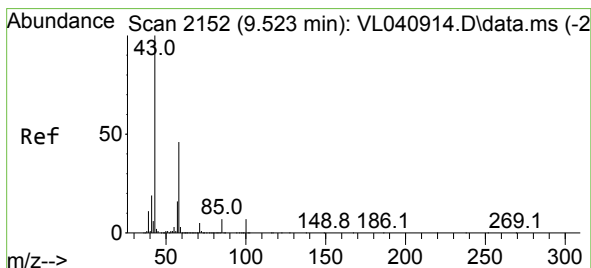
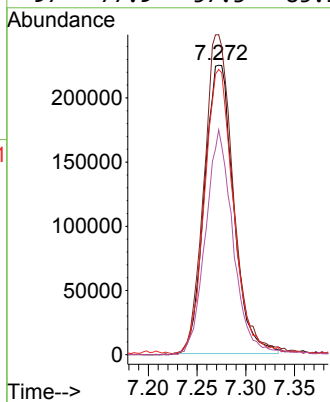
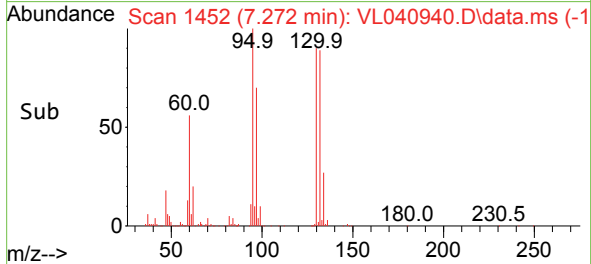
Instrument :
MSVOA_L
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SV2DL



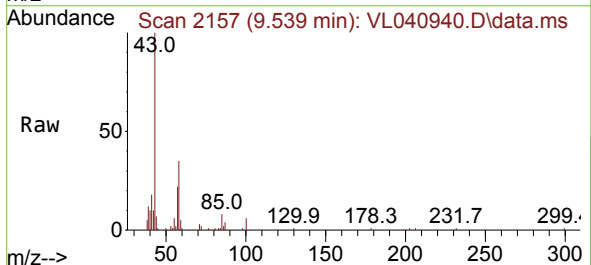
Tgt Ion:130 Resp: 466109
Ion Ratio Lower Upper
130 100
95 110.1 93.5 140.3
132 98.4 77.4 116.2
97 77.9 57.3 85.9

Manual Integrations
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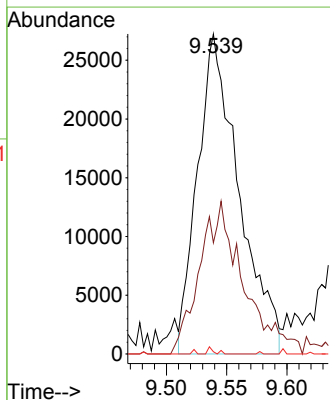
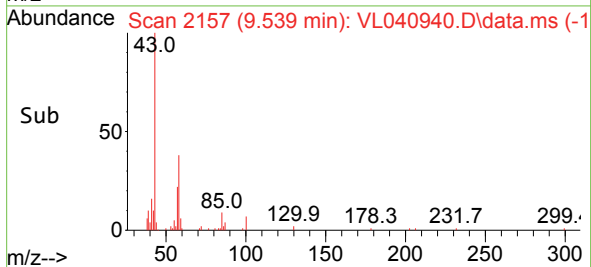
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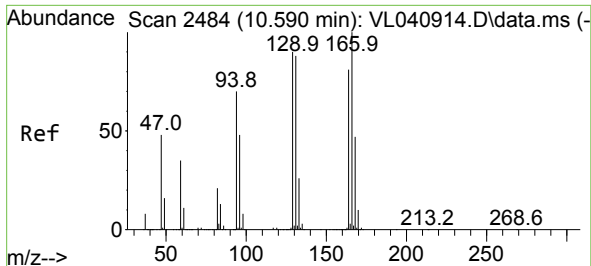


#51
2-Hexanone
Concen: 0.328 ppbv m
RT: 9.539 min Scan# 2157
Delta R.T. 0.016 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42



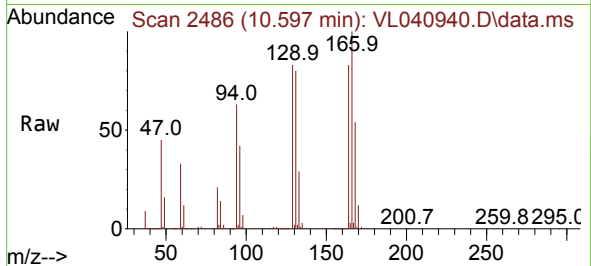
Tgt Ion: 43 Resp: 65337
Ion Ratio Lower Upper
43 100
58 52.3 37.3 55.9
98 0.4 0.2 0.2#





#52
Tetrachloroethene
Concen: 91.824 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. 0.007 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

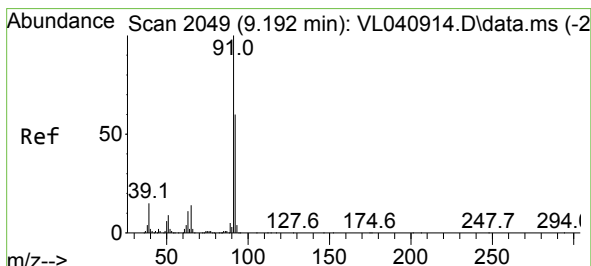
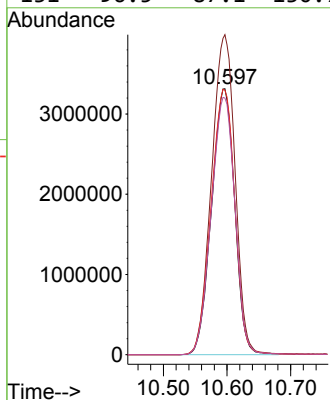
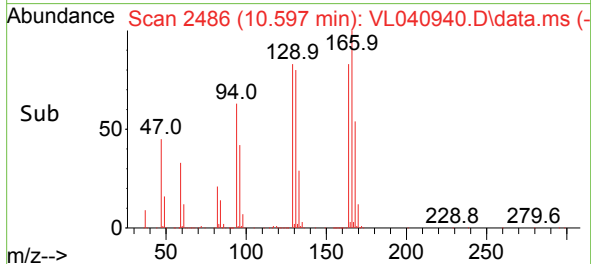
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:164 Resp: 8356150
Ion Ratio Lower Upper
164 100
166 120.3 98.9 148.3
129 99.5 88.7 133.1
131 96.5 87.1 130.7

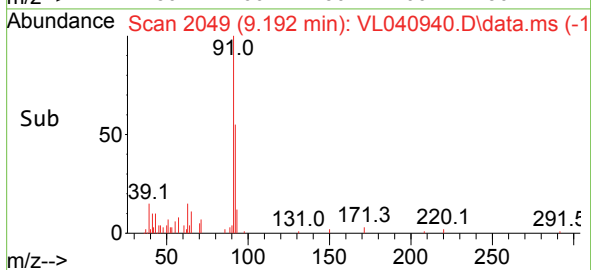
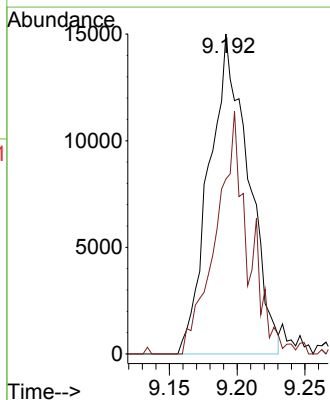
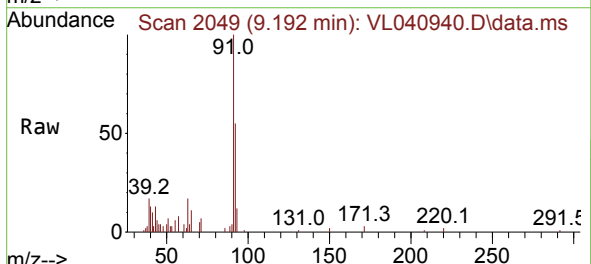
Manual Integrations
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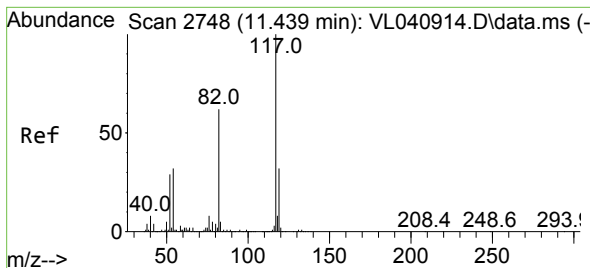
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#53
Toluene
Concen: 0.101 ppbv
RT: 9.192 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

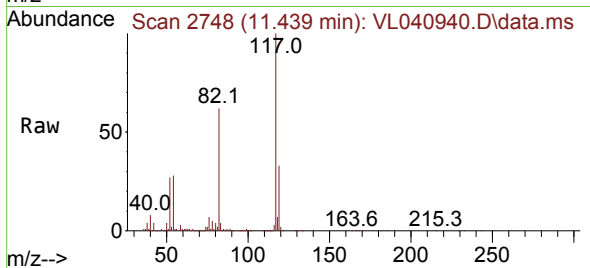
Tgt Ion: 91 Resp: 30212
Ion Ratio Lower Upper
91 100
92 63.0 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

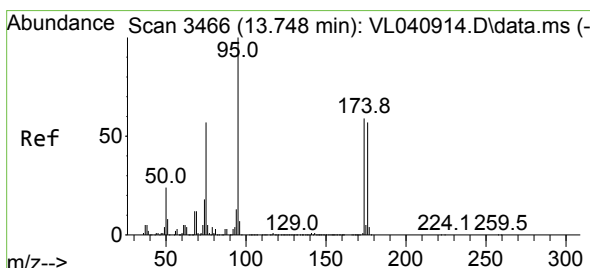
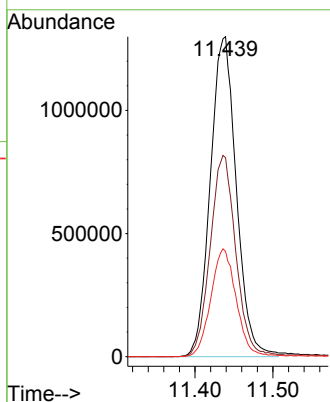
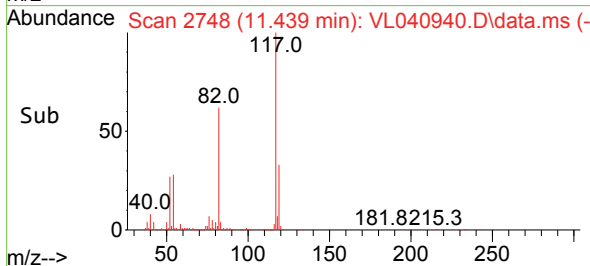
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:117 Resp: 301414
Ion Ratio Lower Upper
117 100
82 63.1 49.6 74.4
119 33.5 23.4 35.0

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.680 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.006 min
Lab File: VL040940.D
Acq: 21 Dec 2023 21:42

Tgt Ion: 95 Resp: 2149135
Ion Ratio Lower Upper
95 100
174 65.7 48.0 72.0
175 4.7 3.7 5.5

