

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042445.D
 Acq On : 29 Apr 2025 14:19
 Operator : SY/MD
 Sample : Q1908-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:20:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	116924	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.966	114	304231	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.889	117	256038	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	232994	11.074	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	10212	0.494	ppbv	95
3) Chlorodifluoromethane	1.480	51	4938m	0.251	ppbv	
4) Chloromethane	1.535	50	3848	0.471	ppbv	94
11) Trichlorofluoromethane	1.881	101	4449	0.226	ppbv	95
13) Ethanol	1.726	45	6146	4.316	ppbv #	24
15) Acetone	1.839	43	66029	3.450	ppbv	97
19) Isopropyl Alcohol	1.891	45	5336m	0.502	ppbv	
20) Methylene Chloride	2.062	84	2823	0.377	ppbv #	81
26) Hexane	2.833	57	34265	1.794	ppbv #	30
34) 2-Butanone	2.567	43	12554	0.522	ppbv	97
35) Carbon Tetrachloride	3.775	117	1947m	0.071	ppbv	
53) Toluene	6.940	91	6054	0.154	ppbv	97

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

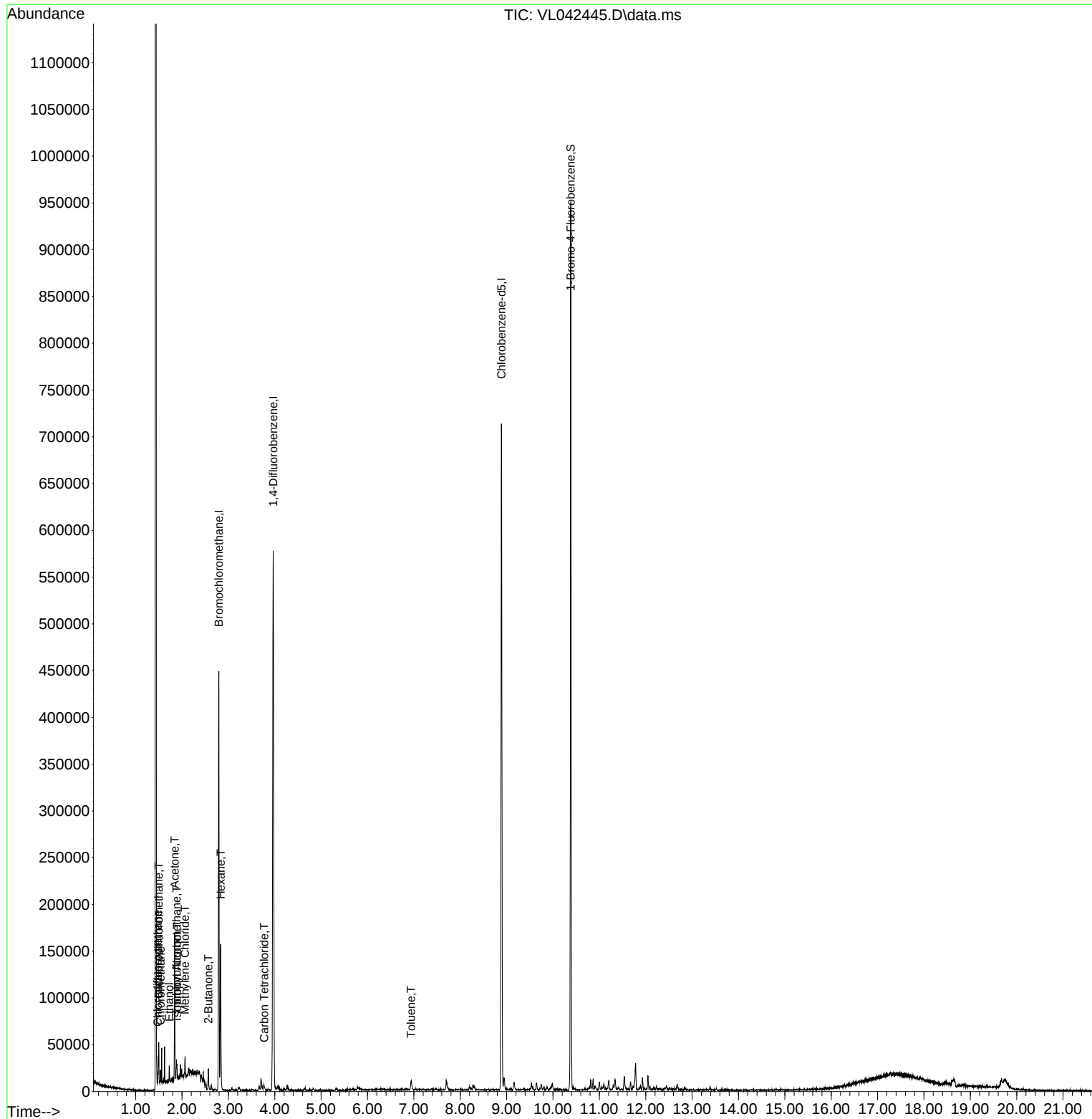
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Data File : VL042445.D
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Sample : Q1908-03
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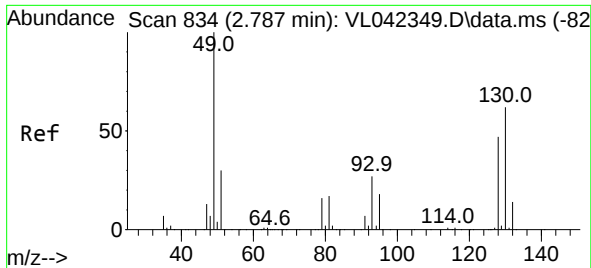
Instrument :
MSVOA_L
ClientSampleId :
B-3

Quant Time: Apr 30 01:20:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

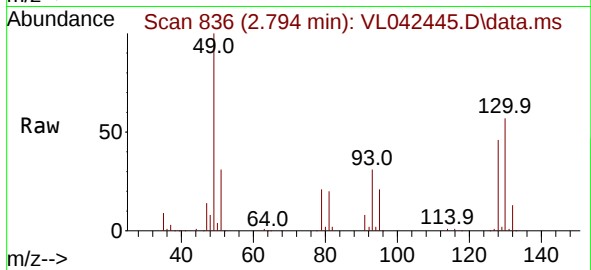
Reviewed By : Semsettin Yesilyurt 04/30/2025
Supervised By : Mahesh Dadoda 04/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 834
Delta R.T. 0.007 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

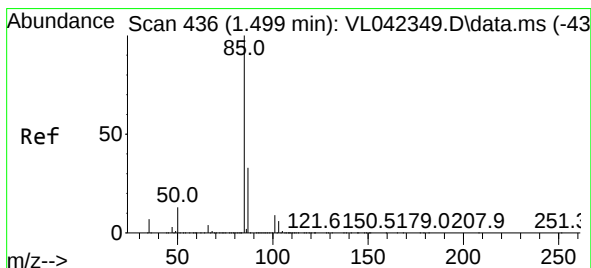
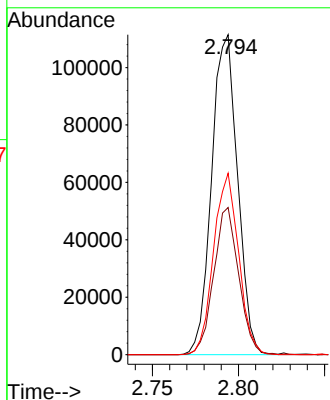
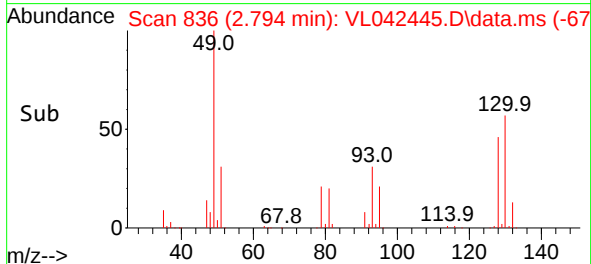
Instrument :
MSVOA_L
ClientSampleId :
B-3



Tgt Ion: 49 Resp: 116924
Ion Ratio Lower Upper
49 100
128 44.4 22.8 68.4
130 54.8 29.3 88.0

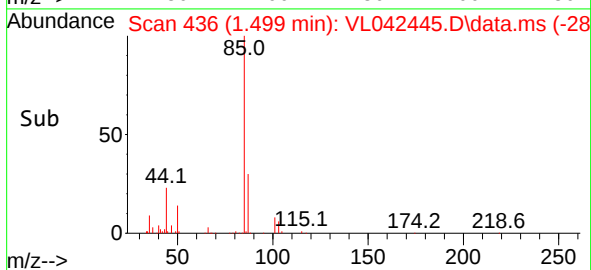
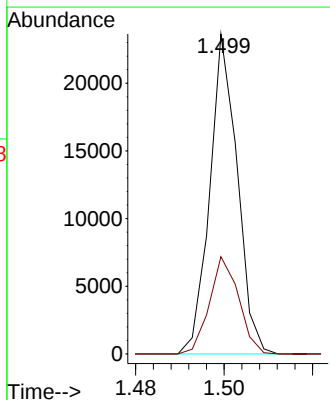
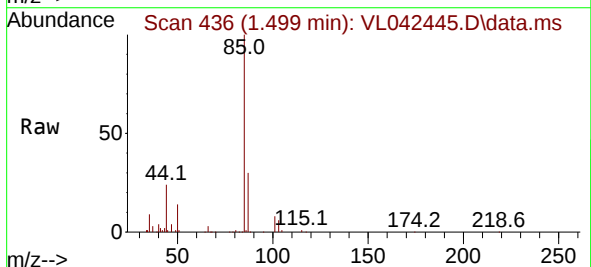
Manual Integrations
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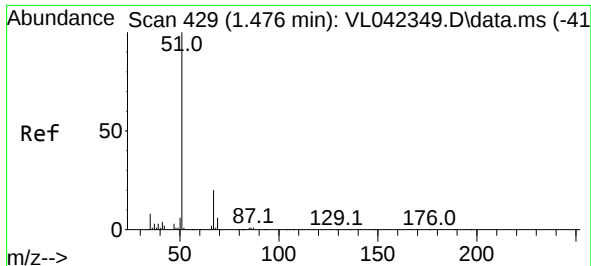
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.494 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.001 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

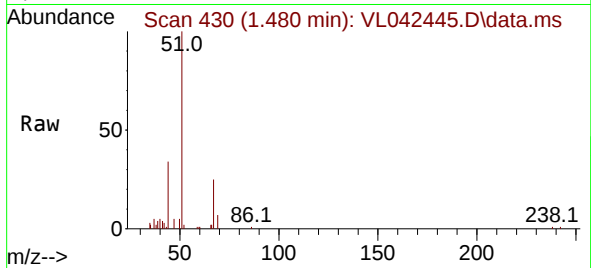
Tgt Ion: 85 Resp: 10212
Ion Ratio Lower Upper
85 100
87 30.4 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.251 ppbv m
RT: 1.480 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

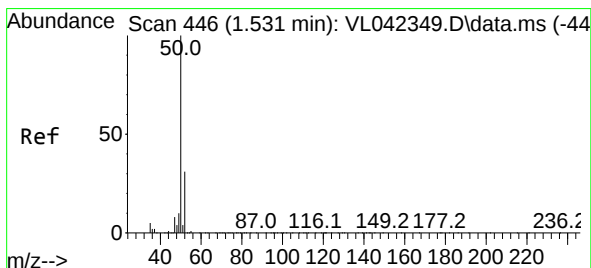
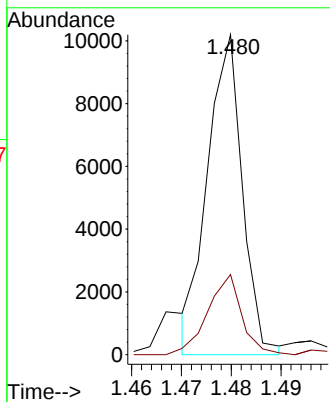
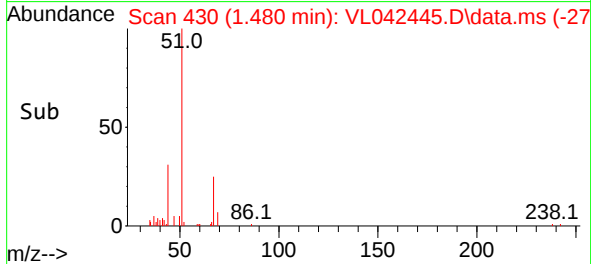
Instrument :
MSVOA_L
ClientSampleId :
B-3



Tgt Ion: 51 Resp: 4938
Ion Ratio Lower Upper
51 100
67 27.5 16.2 24.4

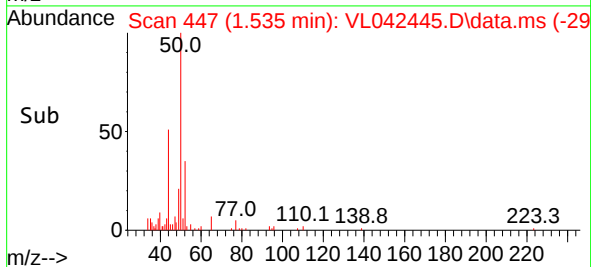
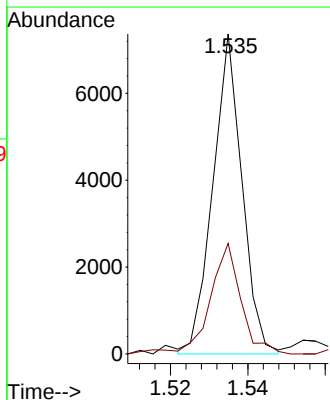
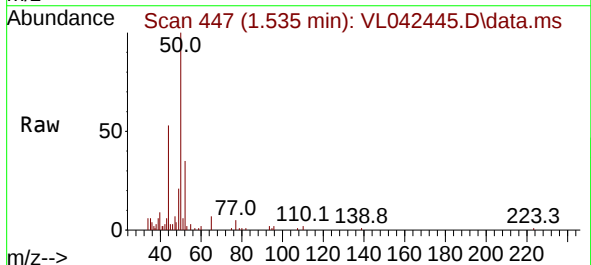
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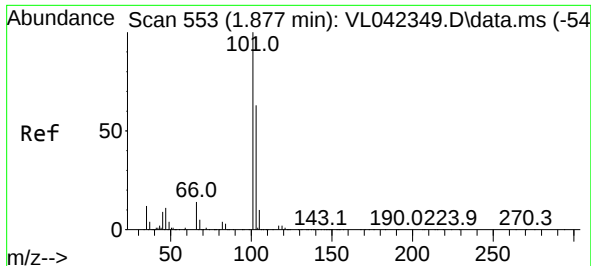
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#4
Chloromethane
Concen: 0.471 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

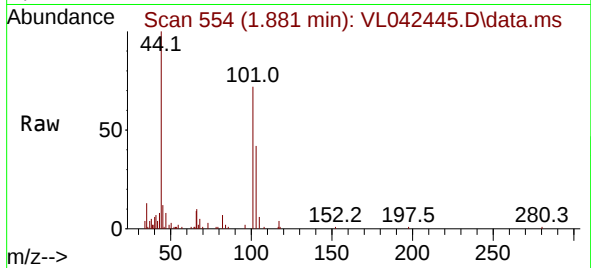
Tgt Ion: 50 Resp: 3848
Ion Ratio Lower Upper
50 100
52 34.2 24.7 37.1





#11
Trichlorofluoromethane
Concen: 0.226 ppbv
RT: 1.881 min Scan# 506
Delta R.T. 0.004 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

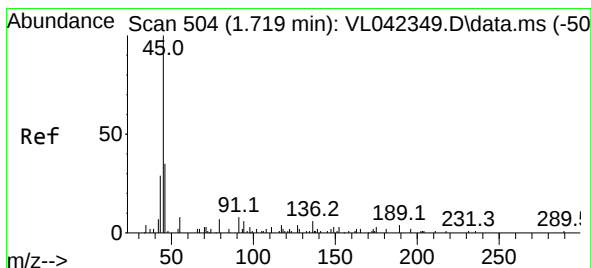
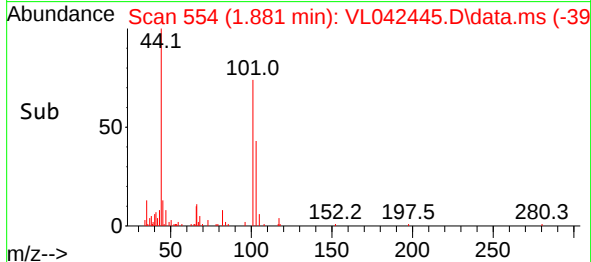
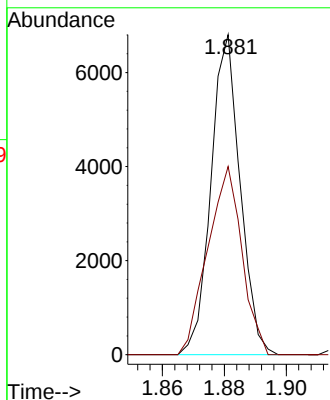
Instrument :
MSVOA_L
Client Sample Id :
B-3



Tgt Ion: 101 Resp: 4449
Ion Ratio Lower Upper
101 100
103 58.8 50.1 75.1

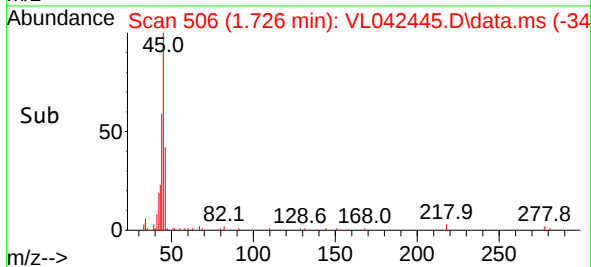
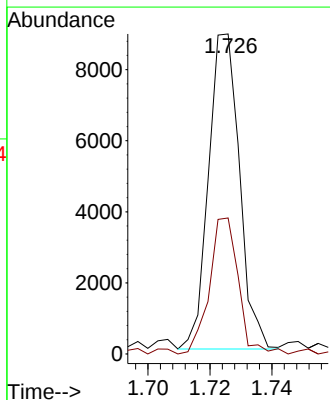
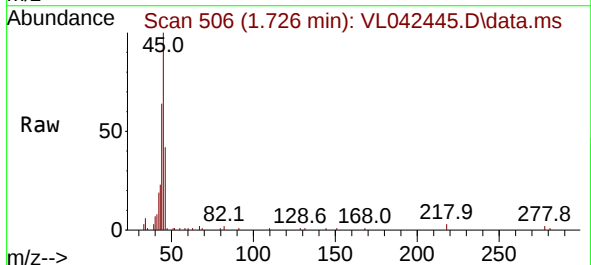
Manual Integrations
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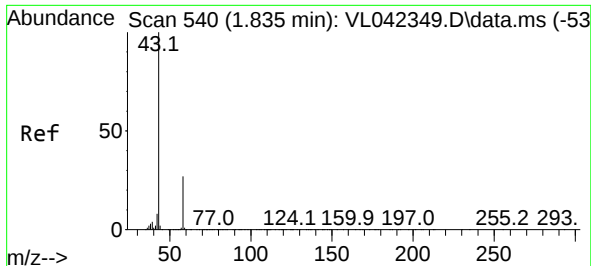
Reviewed By : Semsettin Yesilyurt 04/30/2025
Supervised By : Mahesh Dadoda 04/30/2025



#13
Ethanol
Concen: 4.316 ppbv
RT: 1.726 min Scan# 506
Delta R.T. 0.007 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

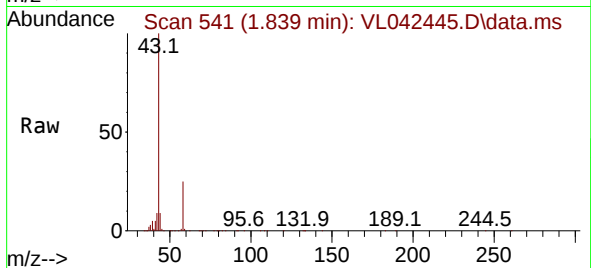
Tgt Ion: 45 Resp: 6146
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7#





#15
Acetone
Concen: 3.450 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.004 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

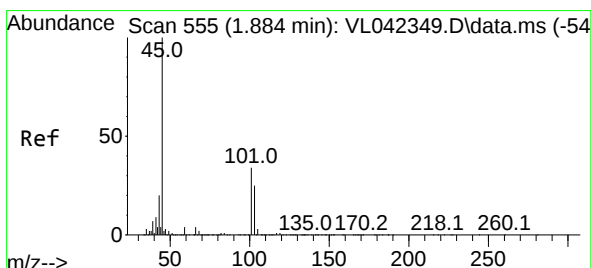
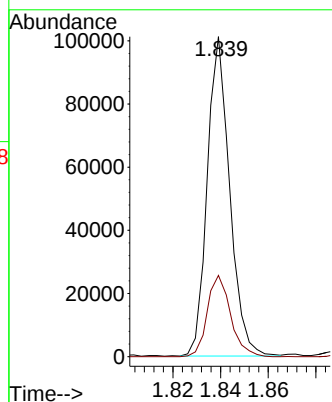
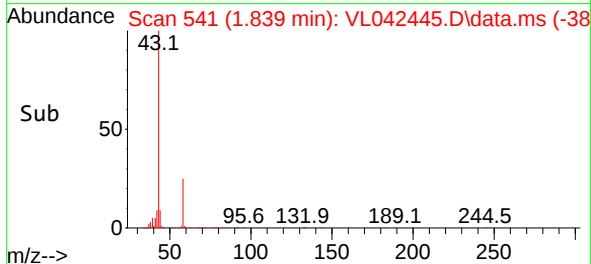
Instrument :
MSVOA_L
ClientSampleId :
B-3



Tgt Ion: 43 Resp: 66029
Ion Ratio Lower Upper
43 100
58 26.4 22.4 33.6

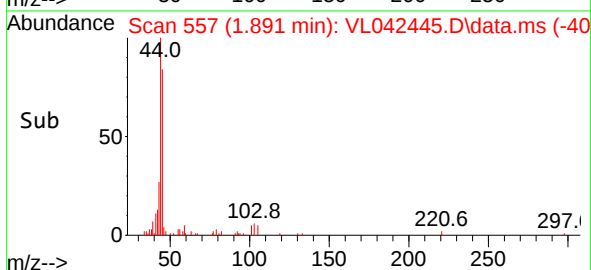
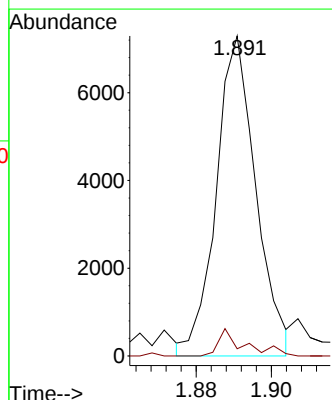
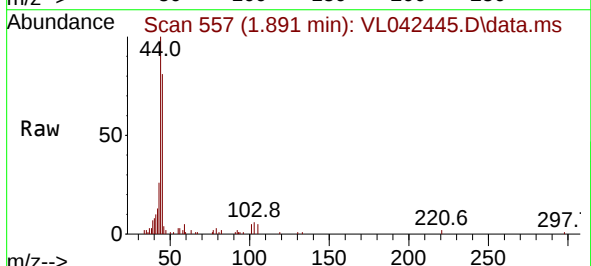
Manual Integrations
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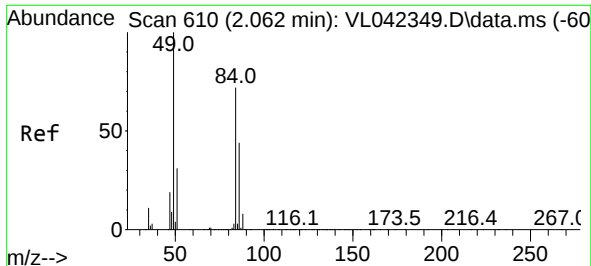
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#19
Isopropyl Alcohol
Concen: 0.502 ppbv m
RT: 1.891 min Scan# 557
Delta R.T. 0.007 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

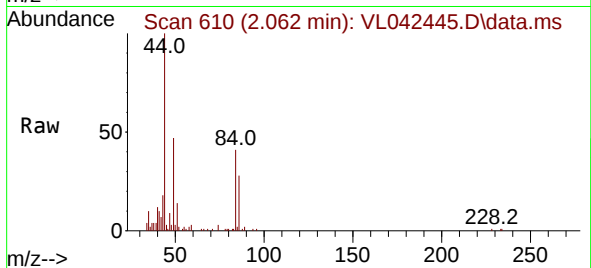
Tgt Ion: 45 Resp: 5336
Ion Ratio Lower Upper
45 100
58 22.2 34.5 51.7#





#20
Methylene Chloride
Concen: 0.377 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

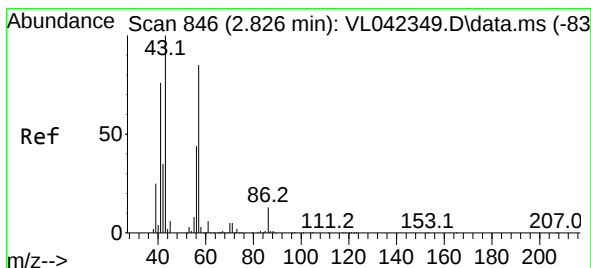
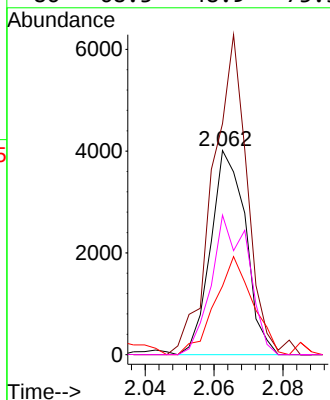
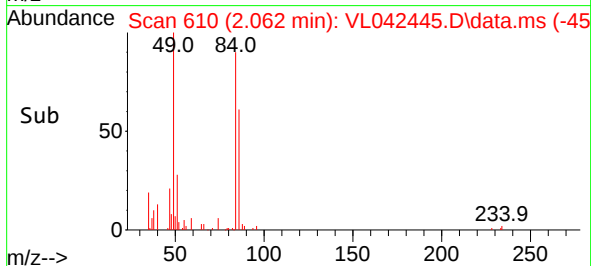
Instrument :
MSVOA_L
ClientSampleId :
B-3



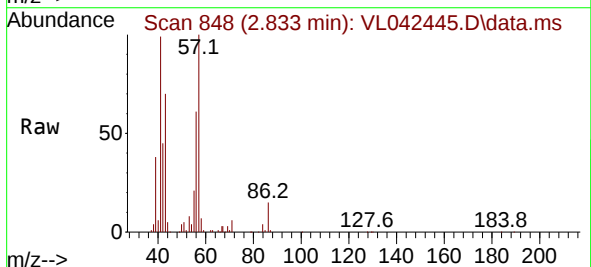
Tgt Ion: 84 Resp: 282
Ion Ratio Lower Upper
84 100
49 110.9 111.6 167.4
51 33.6 35.1 52.7
86 68.3 48.9 73.3

Manual Integrations
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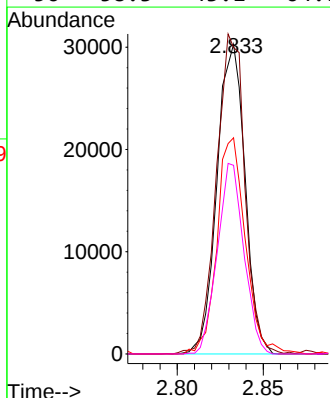
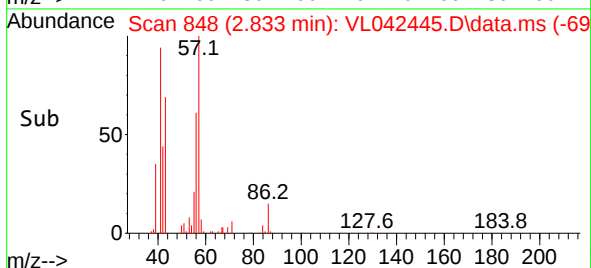
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

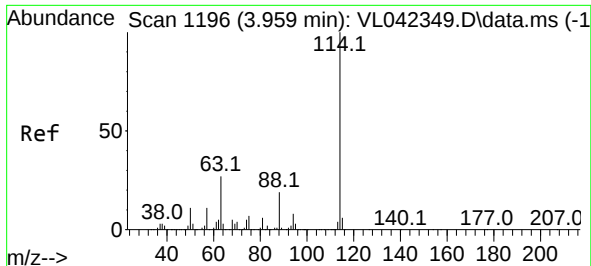


#26
Hexane
Concen: 1.794 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19



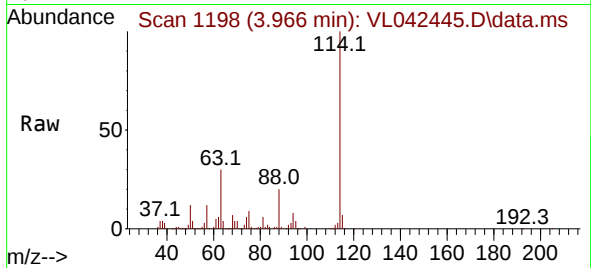
Tgt Ion: 57 Resp: 34265
Ion Ratio Lower Upper
57 100
41 105.5 77.9 116.9
43 70.9 208.4 312.6
56 58.3 43.1 64.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.966 min Scan# 1196
Delta R.T. 0.007 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

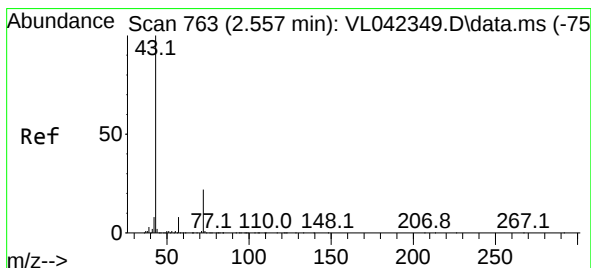
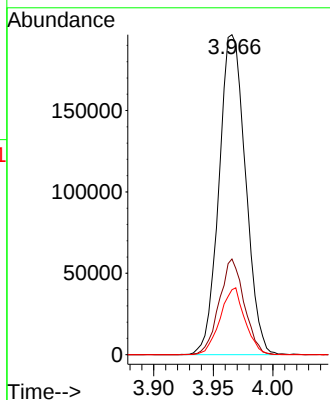
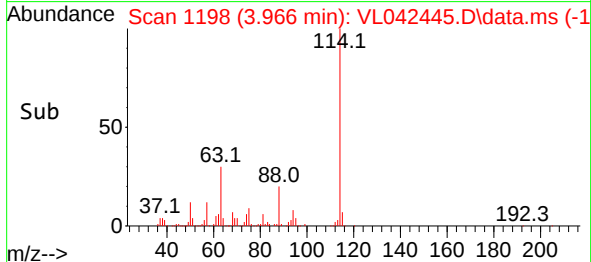
Instrument :
MSVOA_L
ClientSampleId :
B-3



Tgt Ion:114 Resp: 30423
Ion Ratio Lower Upper
114 100
63 28.3 21.8 32.6
88 19.6 15.5 23.3

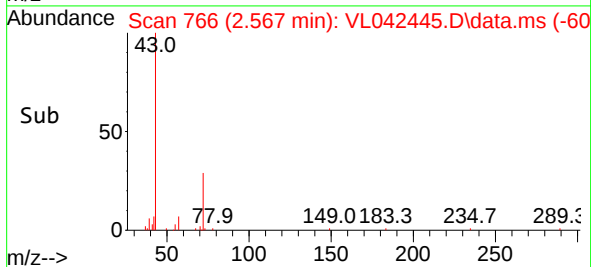
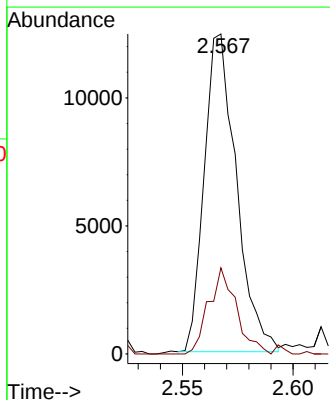
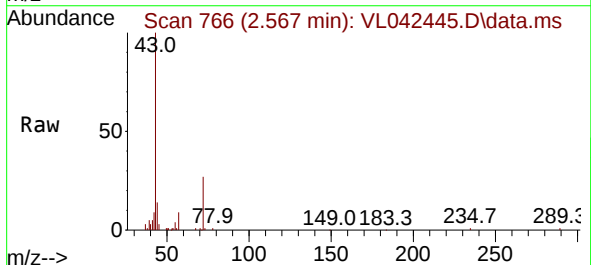
Manual Integrations
APPROVED

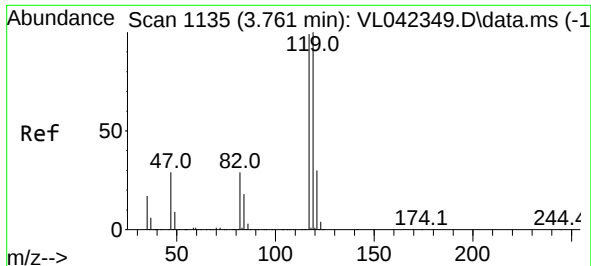
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#34
2-Butanone
Concen: 0.522 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

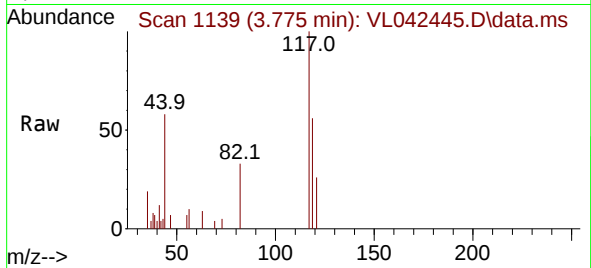
Tgt Ion: 43 Resp: 12554
Ion Ratio Lower Upper
43 100
72 24.2 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 3.775 min Scan# 1135
Delta R.T. 0.013 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

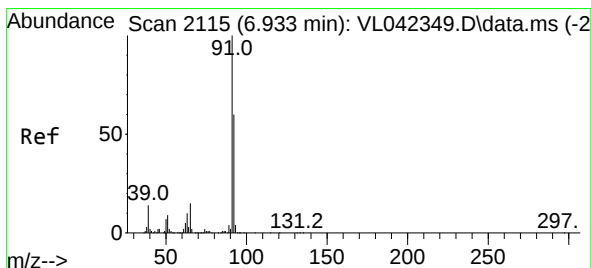
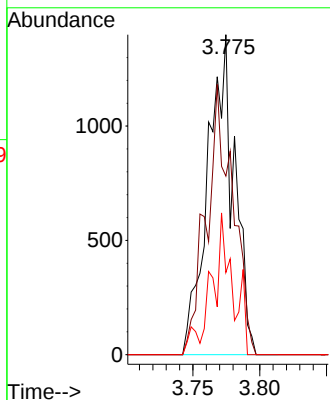
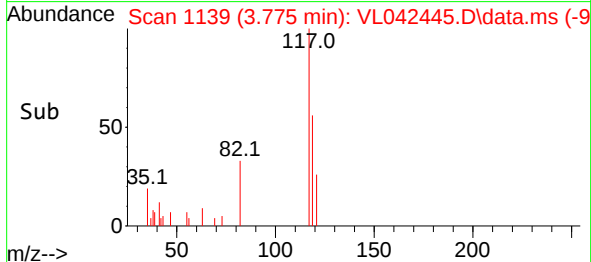
Instrument : MSVOA_L
ClientSampleId : B-3



Tgt Ion: 117 Resp: 194
Ion Ratio Lower Upper
117 100
119 55.8 80.5 120.7
121 25.7 24.2 36.2

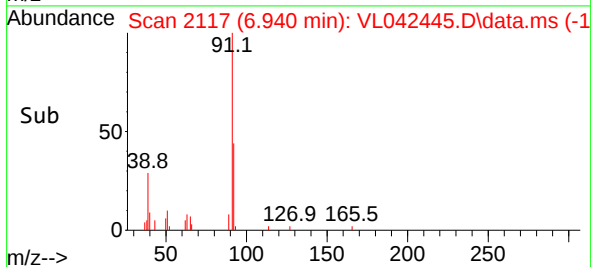
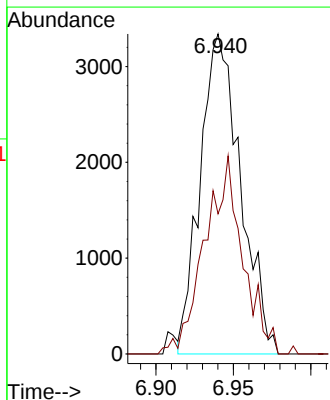
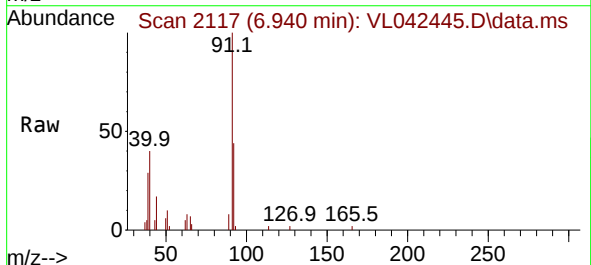
Manual Integrations
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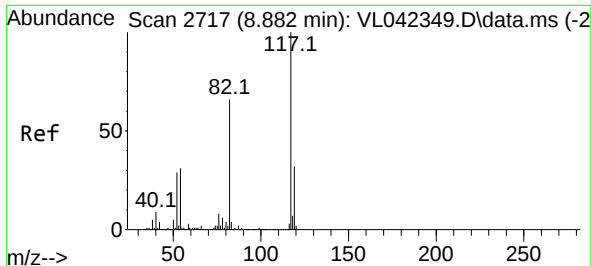
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#53
Toluene
Concen: 0.154 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.007 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

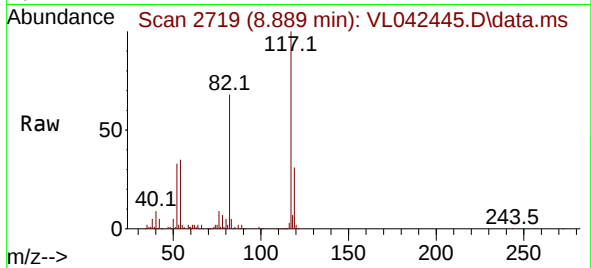
Tgt Ion: 91 Resp: 6054
Ion Ratio Lower Upper
91 100
92 58.1 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.889 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19

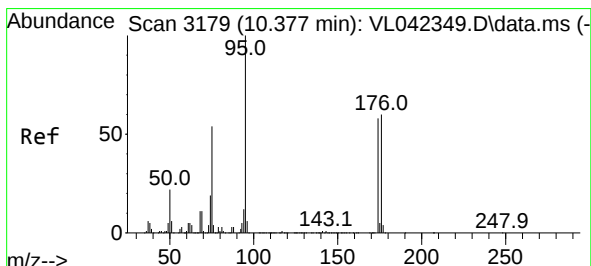
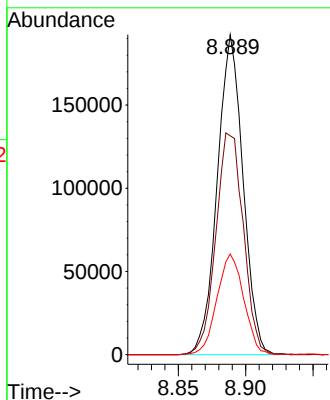
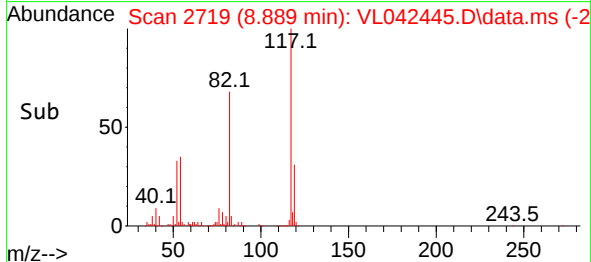
Instrument :
MSVOA_L
ClientSampleId :
B-3



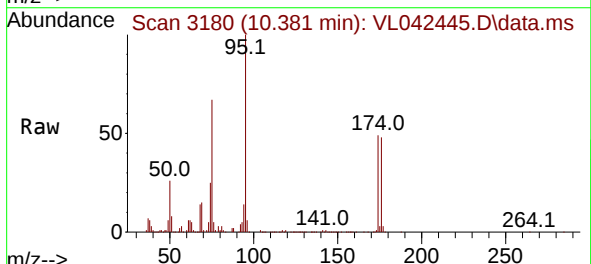
Tgt Ion:117 Resp: 256038
Ion Ratio Lower Upper
117 100
82 73.8 57.8 86.6
119 32.7 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.074 ppbv
RT: 10.381 min Scan# 3180
Delta R.T. 0.004 min
Lab File: VL042445.D
Acq: 29 Apr 2025 14:19



Tgt Ion: 95 Resp: 232994
Ion Ratio Lower Upper
95 100
174 50.6 48.5 72.7
175 3.6 3.7 5.5#

