

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041849.D
 Acq On : 07 Jan 2025 18:03
 Operator : SY/MD
 Sample : Q1031-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 03:56:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Jan 08 03:26:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	79757	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	173620	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	172495	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	163694	11.080	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.800%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.502	85	1864m	0.142	ppbv	
3) Chlorodifluoromethane	1.476	51	1296	0.104	ppbv	97
4) Chloromethane	1.534	50	807	0.150	ppbv	96
9) Propene	1.489	41	10023m	2.302	ppbv	
10) Heptane	5.007	43	2146m	0.200	ppbv	
13) Ethanol	1.722	45	1562	2.731	ppbv #	38
15) Acetone	1.838	43	28044	1.910	ppbv	97
20) Methylene Chloride	2.065	84	1152	0.274	ppbv	90
26) Hexane	2.835	57	11264	1.318	ppbv #	26
27) Carbon Disulfide	2.156	76	2404	0.296	ppbv #	1
29) Chloroform	2.858	83	21163	1.333	ppbv	99
34) 2-Butanone	2.567	43	5996	0.438	ppbv	99
35) Carbon Tetrachloride	3.780	117	544m	0.041	ppbv	
52) Tetrachloroethene	8.231	164	3128m	0.636	ppbv	
53) Toluene	6.949	91	7006m	0.475	ppbv	
59) m/p-Xylene	9.535	91	2437m	0.118	ppbv	

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

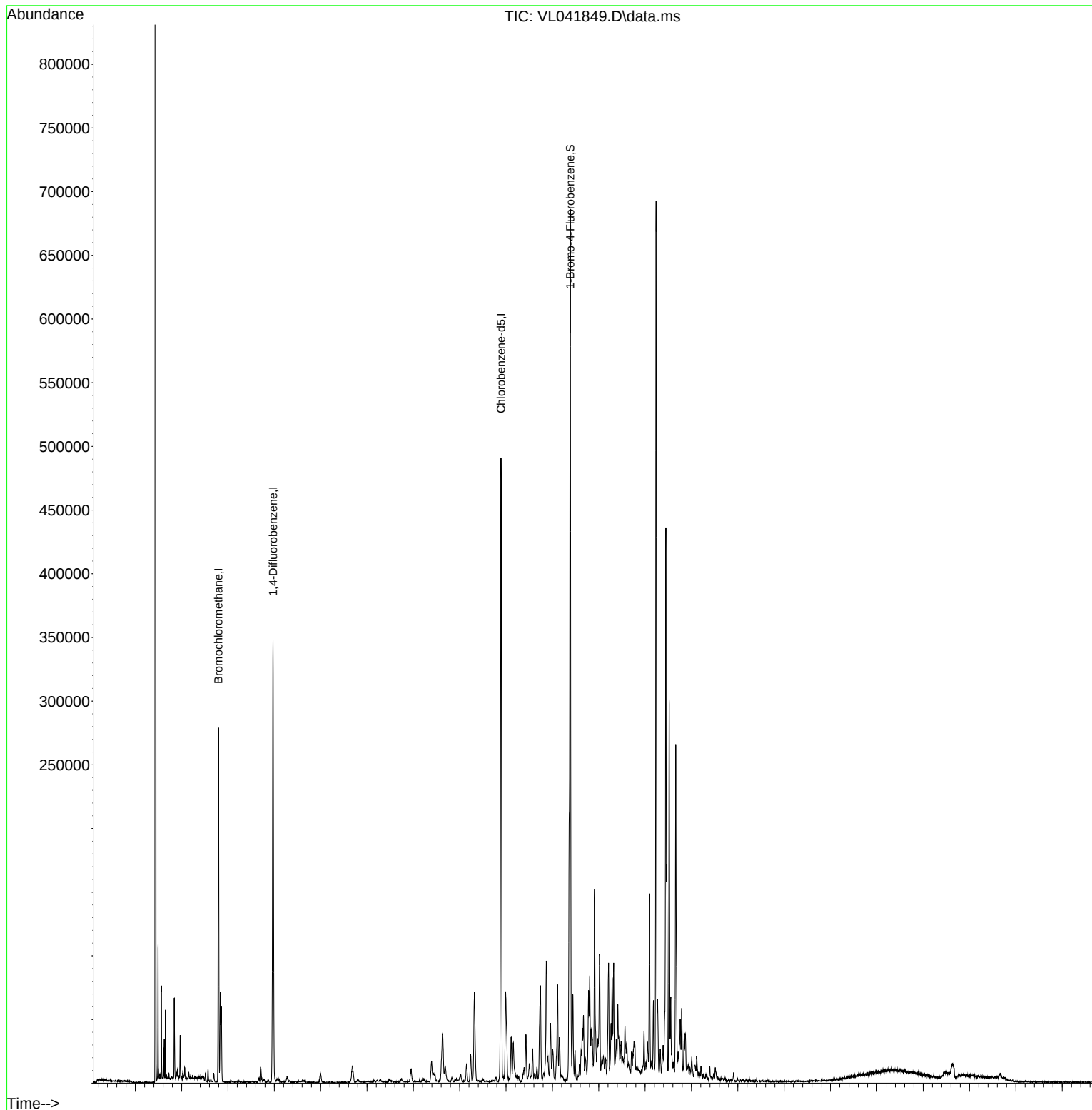
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041849.D
Acq On : 07 Jan 2025 18:03
Operator : SY/MD
Sample : Q1031-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

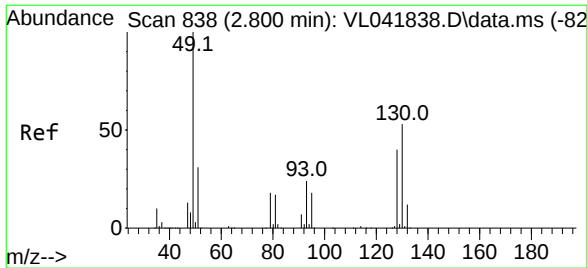
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jan 08 03:56:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

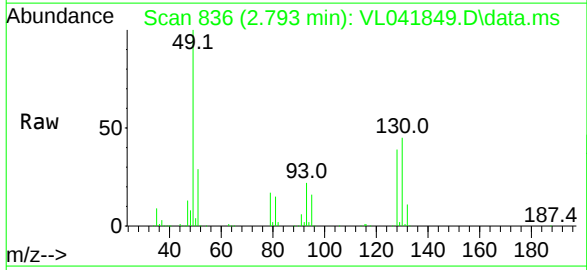
Reviewed By : Semsettin Yesilyurt 01/09/2025
Supervised By : Mahesh Dadoda 01/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 838
Delta R.T. -0.007 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

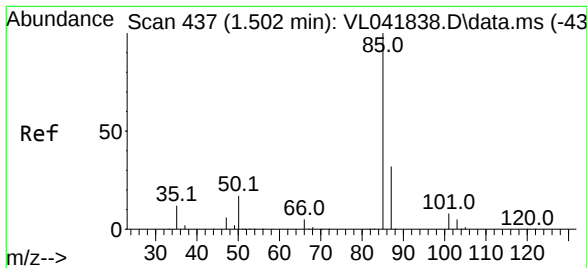
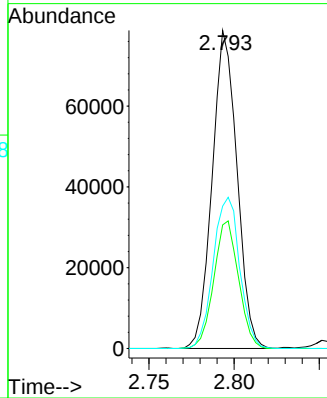
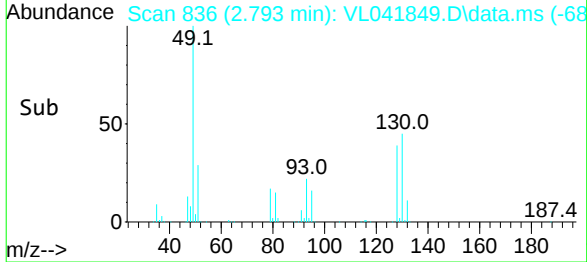
Instrument :
MSVOA_L
ClientSampleId :
SV1



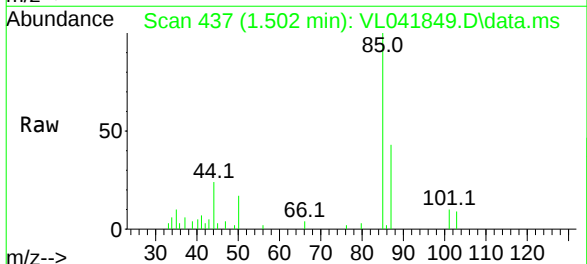
Tgt Ion: 49 Resp: 79757
Ion Ratio Lower Upper
49 100
128 40.1 19.7 59.1
130 50.9 26.4 79.2

Manual Integrations
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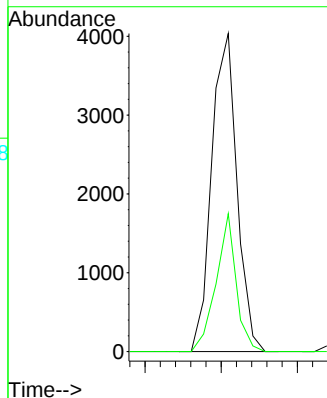
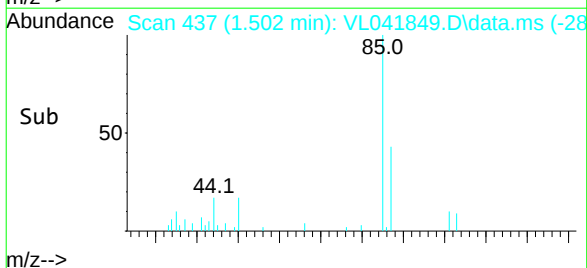
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

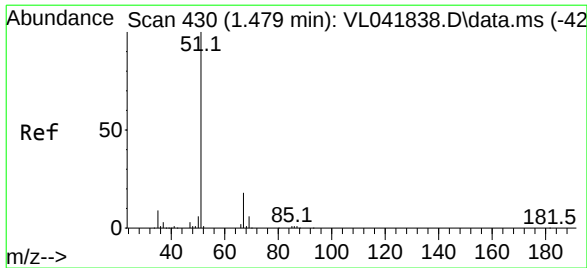


#2
Dichlorodifluoromethane
Concen: 0.142 ppbv m
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03



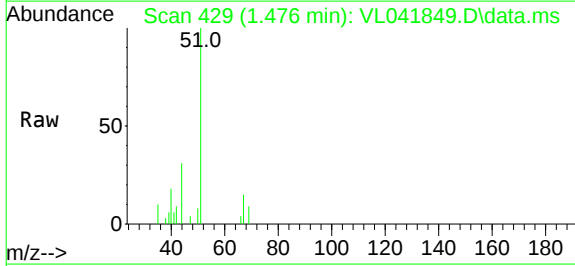
Tgt Ion: 85 Resp: 1864
Ion Ratio Lower Upper
85 100
87 43.3 25.6 38.4#





#3
Chlorodifluoromethane
Concen: 0.104 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

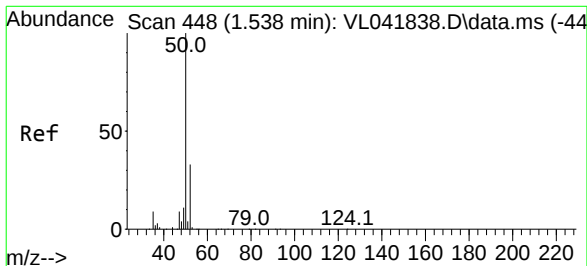
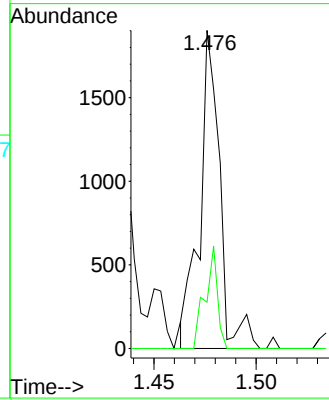
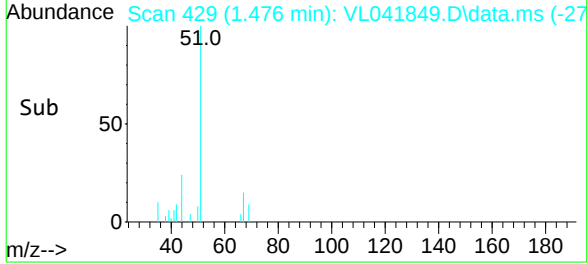
Instrument : MSVOA_L
ClientSampleId : SV1



Tgt Ion: 51 Resp: 1296
Ion Ratio Lower Upper
51 100
67 19.8 14.6 22.0

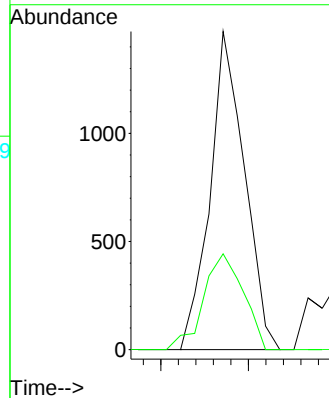
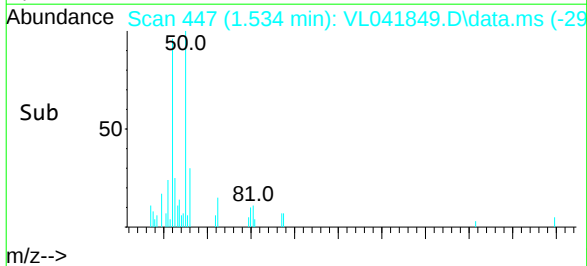
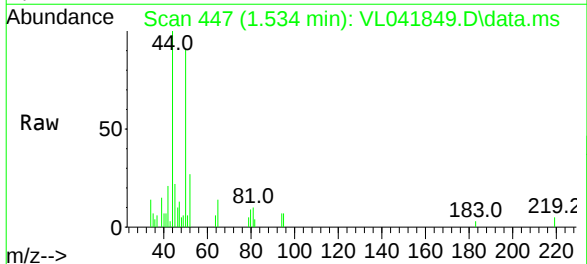
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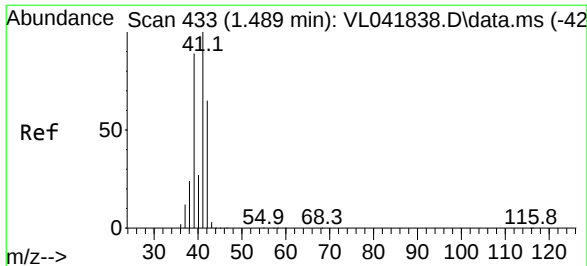
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#4
Chloromethane
Concen: 0.150 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

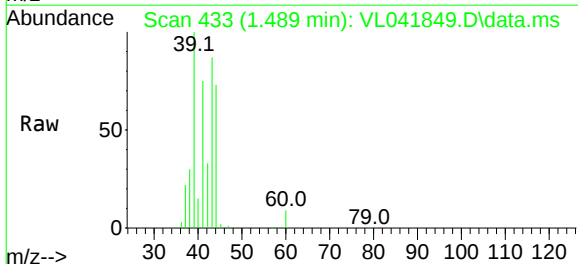
Tgt Ion: 50 Resp: 807
Ion Ratio Lower Upper
50 100
52 30.1 26.1 39.1





#9
Propene
Concen: 2.302 ppbv m
RT: 1.489 min Scan# 43
Delta R.T. -0.000 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

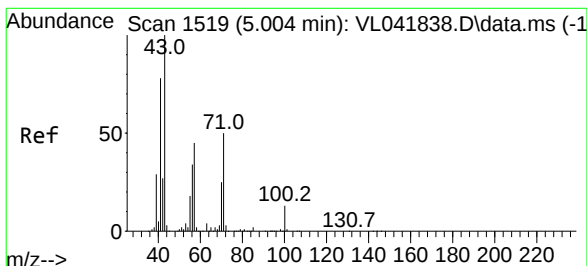
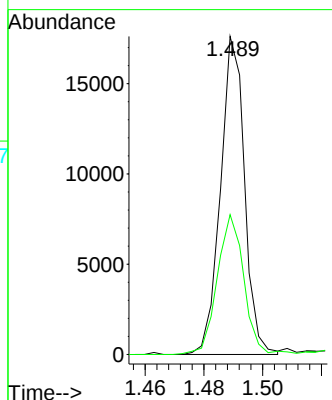
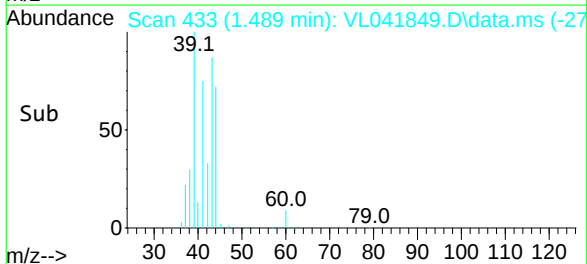
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 41 Resp: 10023
Ion Ratio Lower Upper
41 100
42 20.2 53.9 80.9#

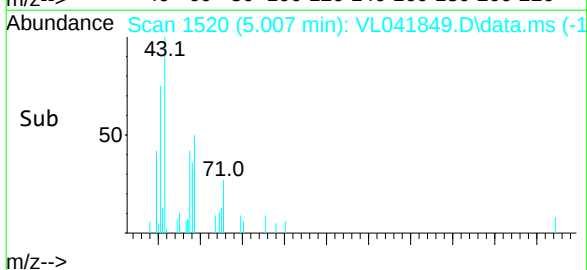
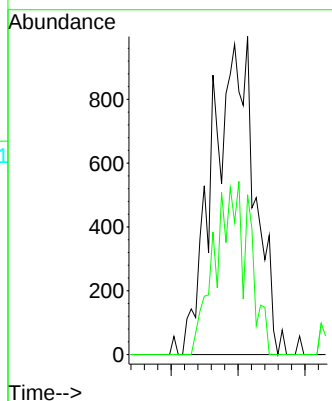
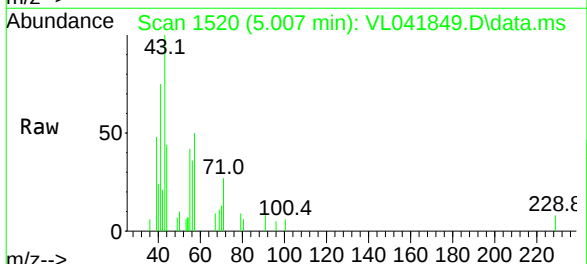
Manual Integrations
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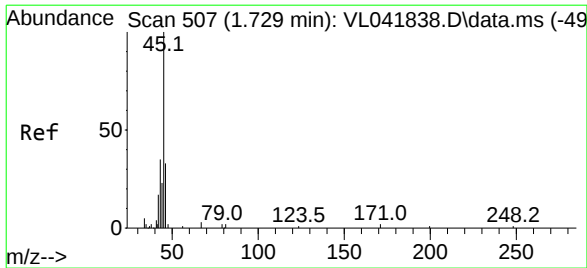
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#10
Heptane
Concen: 0.200 ppbv m
RT: 5.007 min Scan# 1520
Delta R.T. 0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
57 45.0 37.8 56.6





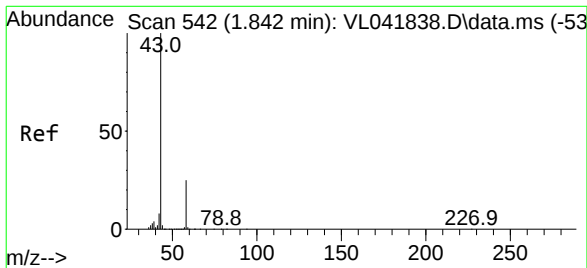
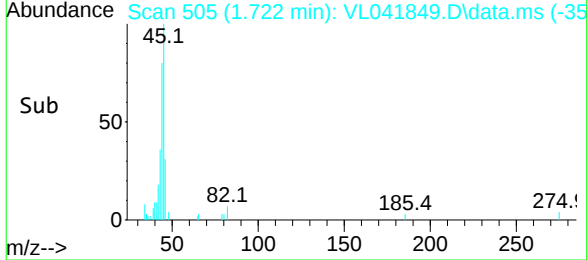
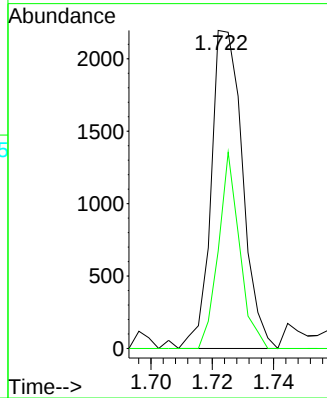
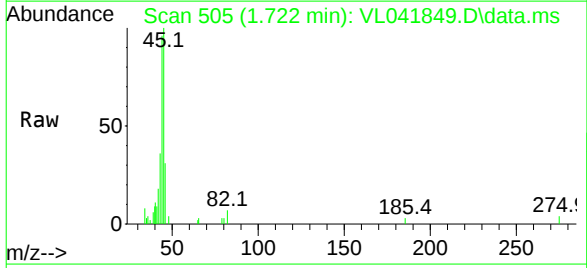
#13
Ethanol
Concen: 2.731 ppbv
RT: 1.722 min Scan# 507
Delta R.T. -0.007 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

Instrument : MSVOA_L
ClientSampleId : SV1

Tgt Ion: 45 Resp: 1562
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#

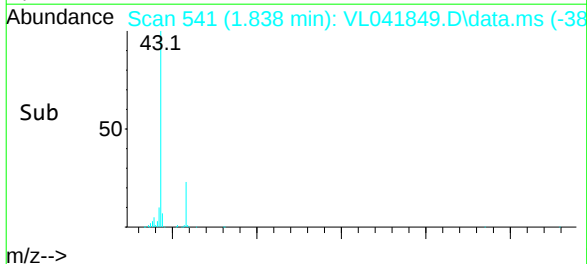
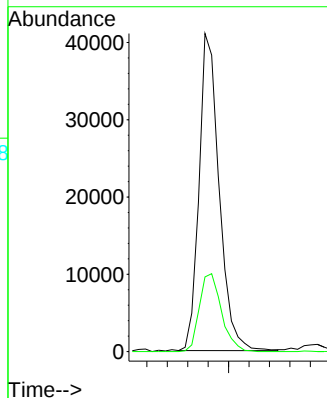
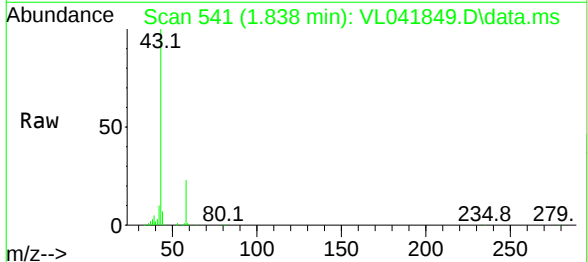
Manual Integrations
APPROVED

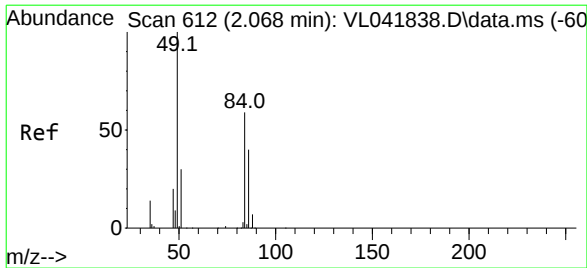
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#15
Acetone
Concen: 1.910 ppbv
RT: 1.838 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

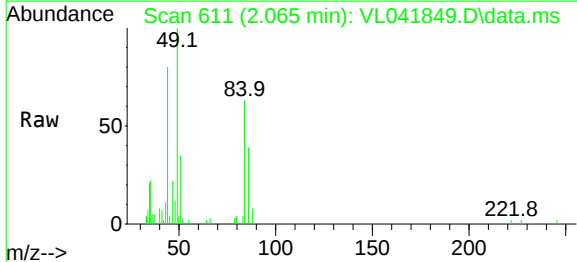
Tgt Ion: 43 Resp: 28044
Ion Ratio Lower Upper
43 100
58 27.0 20.2 30.4





#20
Methylene Chloride
Concen: 0.274 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

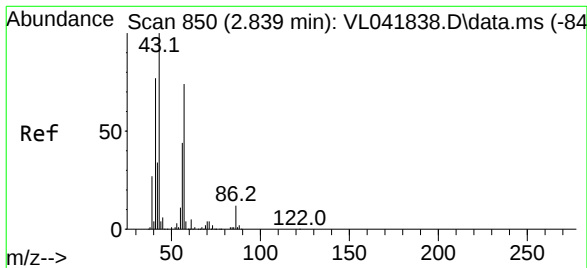
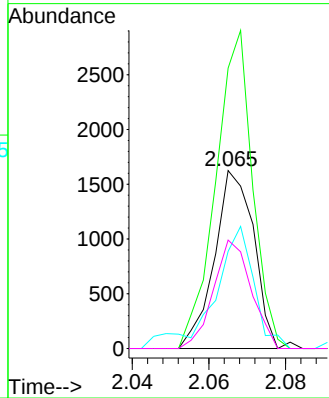
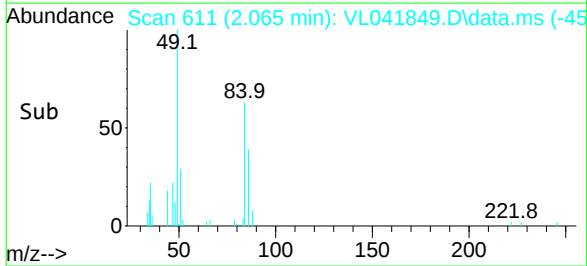
Instrument :
MSVOA_L
ClientSampleId :
SV1



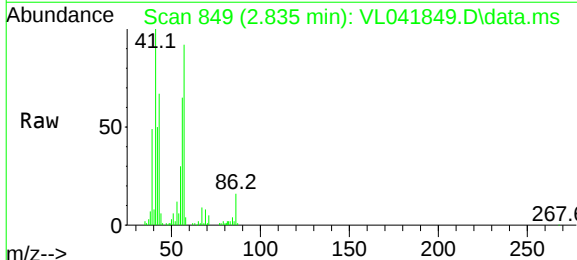
Tgt Ion:	84	Resp:	1152
Ion	Ratio	Lower	Upper
84	100		
49	157.6	137.8	206.8
51	47.0	43.9	65.9
86	60.9	53.9	80.9

Manual Integrations
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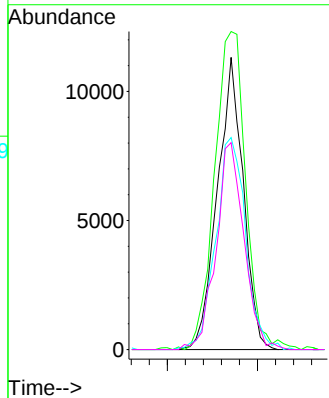
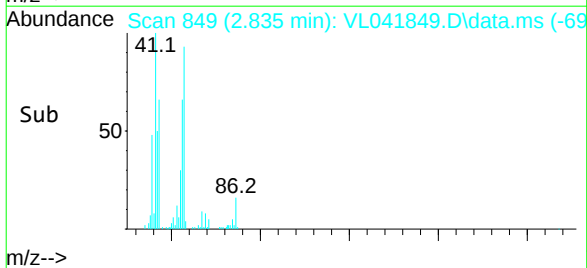
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

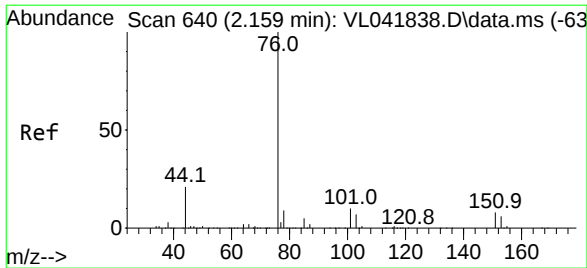


#26
Hexane
Concen: 1.318 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03



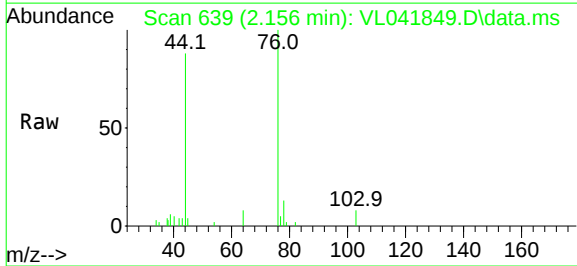
Tgt Ion:	57	Resp:	11264
Ion	Ratio	Lower	Upper
57	100		
41	131.2	84.0	126.0#
43	83.6	218.4	327.6#
56	76.2	45.7	68.5#





#27
Carbon Disulfide
Concen: 0.296 ppbv
RT: 2.156 min Scan# 639
Delta R.T. -0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

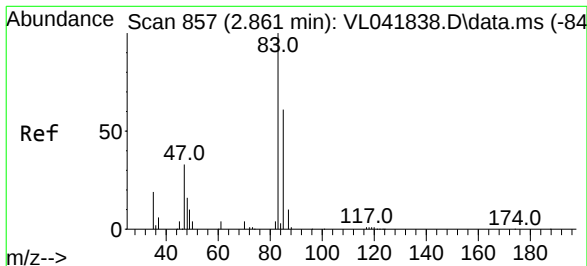
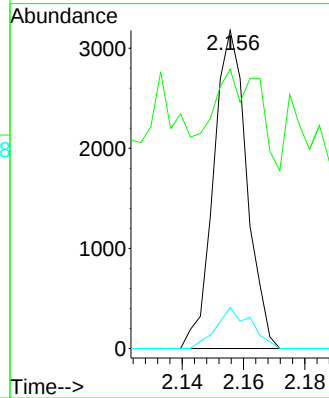
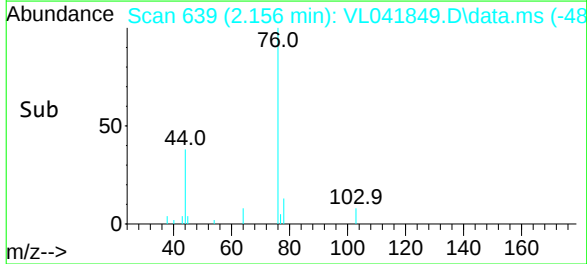
Instrument : MSVOA_L
ClientSampleId : SV1



Tgt Ion: 76 Resp: 2404
Ion Ratio Lower Upper
76 100
44 292.1 19.8 29.8
78 13.5 9.8 14.8

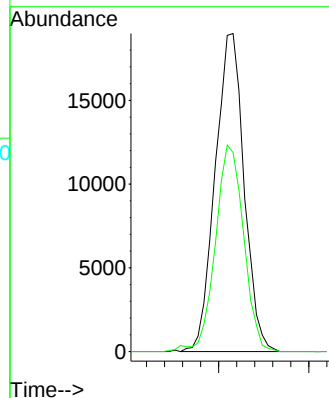
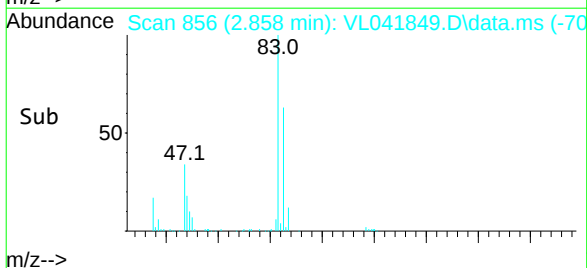
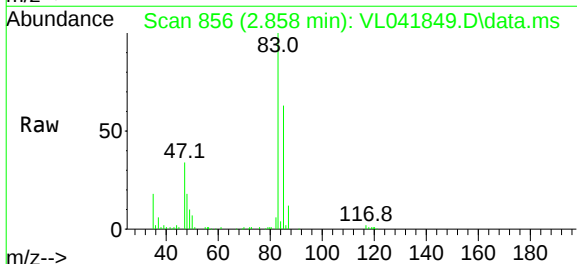
Manual Integrations
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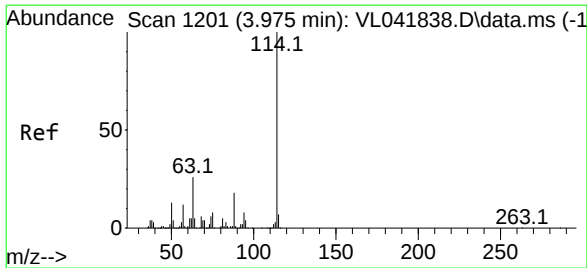
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#29
Chloroform
Concen: 1.333 ppbv
RT: 2.858 min Scan# 856
Delta R.T. -0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

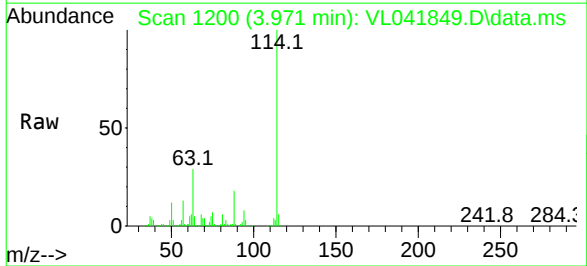
Tgt Ion: 83 Resp: 21163
Ion Ratio Lower Upper
83 100
85 62.6 49.6 74.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

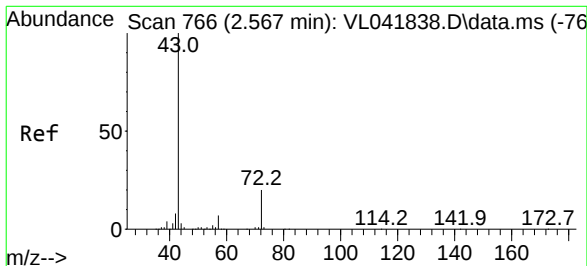
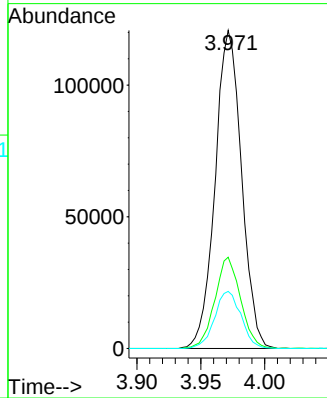
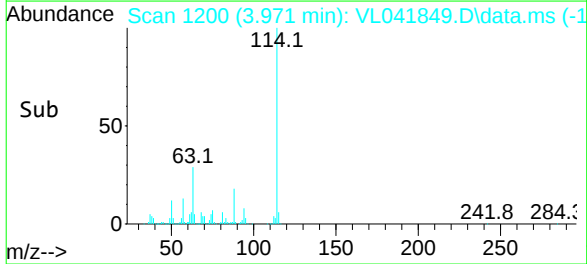
Instrument :
MSVOA_L
ClientSampleId :
SV1



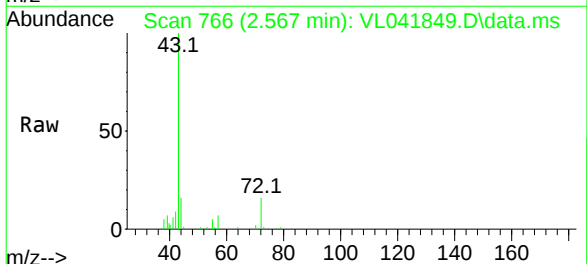
Tgt Ion: 114 Resp: 173620
Ion Ratio Lower Upper
114 100
63 28.0 22.3 33.5
88 18.0 14.9 22.3

Manual Integrations
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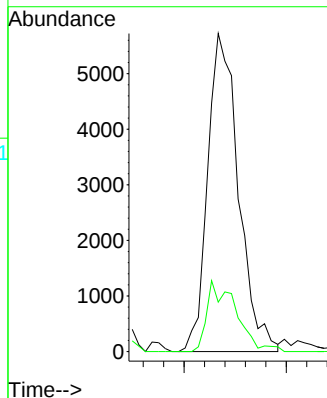
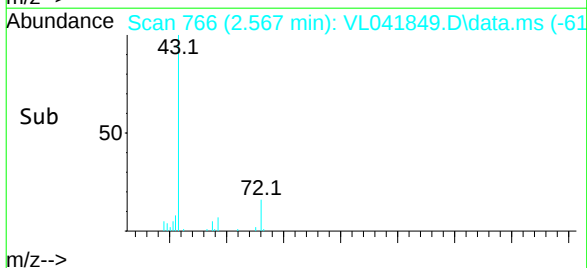
Reviewed By :Semsettin Yesilyurt 01/09/2025
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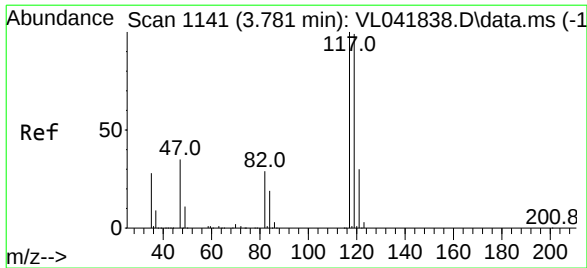


#34
2-Butanone
Concen: 0.438 ppbv
RT: 2.567 min Scan# 766
Delta R.T. -0.000 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03



Tgt Ion: 43 Resp: 5996
Ion Ratio Lower Upper
43 100
72 21.1 16.6 25.0





#35

Carbon Tetrachloride

Concen: 0.041 ppbv m

RT: 3.780 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VL041849.D

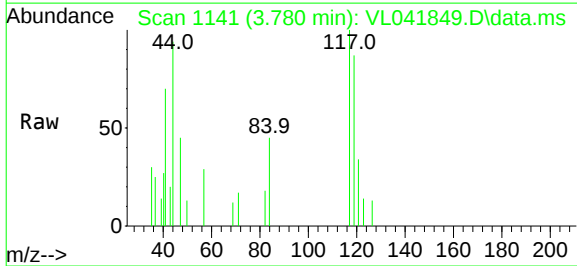
Acq: 07 Jan 2025 18:03

Instrument :

MSVOA_L

ClientSampleId :

SV1

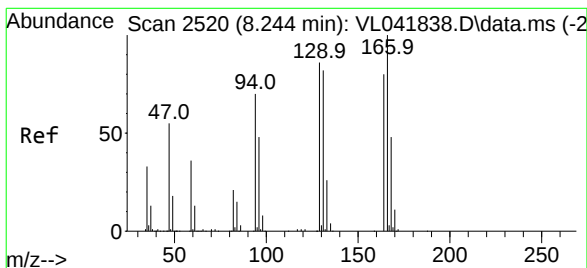
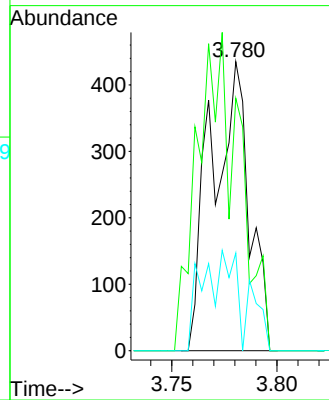
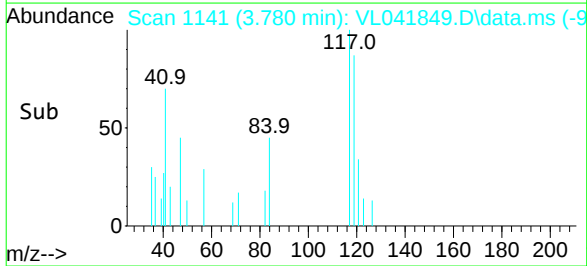


Tgt Ion:	117	Resp:	544
Ion	Ratio	Lower	Upper
117	100		
119	87.4	79.1	118.7
121	33.8	24.2	36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#52

Tetrachloroethene

Concen: 0.636 ppbv m

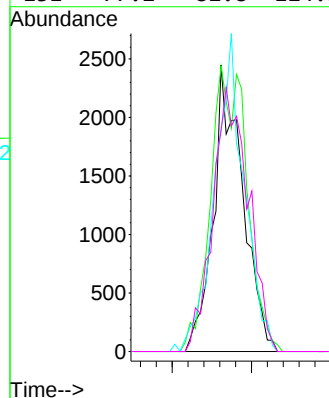
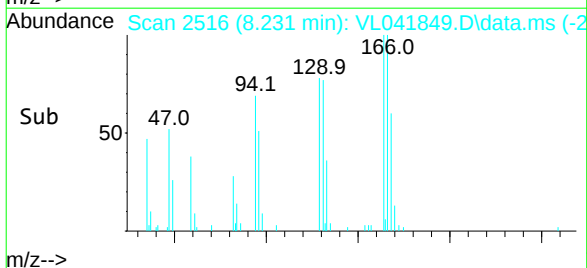
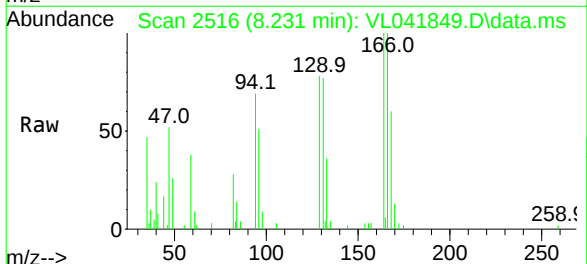
RT: 8.231 min Scan# 2516

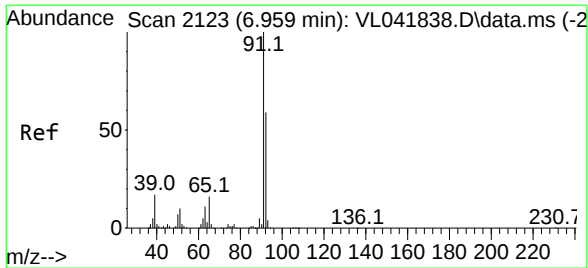
Delta R.T. -0.013 min

Lab File: VL041849.D

Acq: 07 Jan 2025 18:03

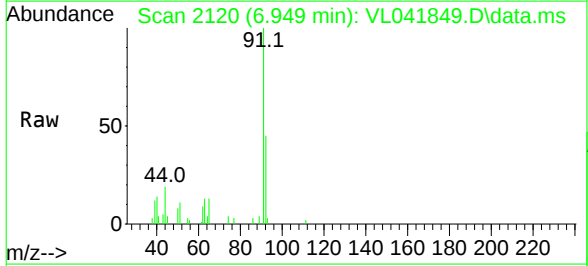
Tgt Ion:	164	Resp:	3128
Ion	Ratio	Lower	Upper
164	100		
166	99.6	100.4	150.6#
129	77.7	85.9	128.9#
131	77.2	82.8	124.2#





#53
Toluene
Concen: 0.475 ppbv m
RT: 6.949 min Scan# 2123
Delta R.T. -0.010 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

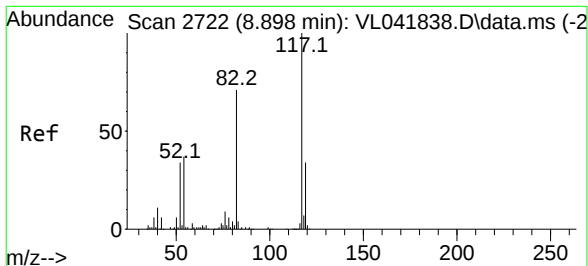
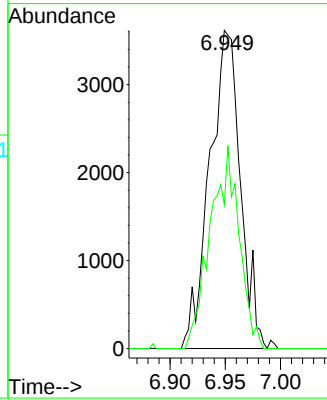
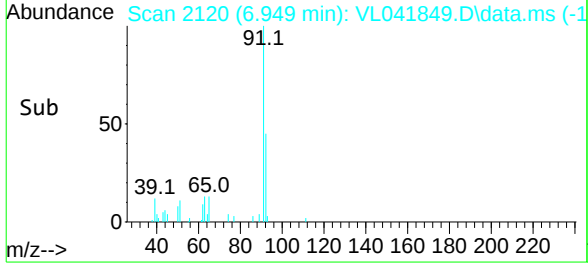
Instrument : MSVOA_L
ClientSampleId : SV1



Tgt Ion: 91 Resp: 7006
Ion Ratio Lower Upper
91 100
92 59.5 47.8 71.6

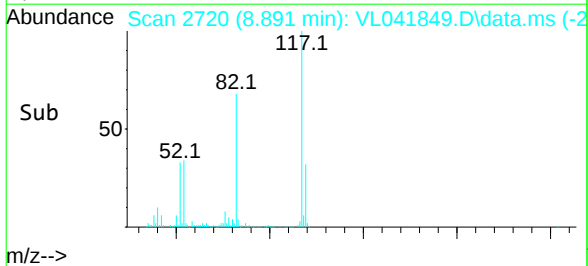
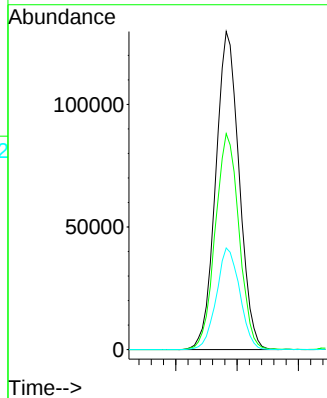
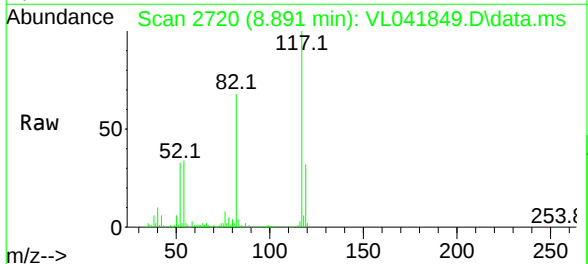
Manual Integrations
APPROVED

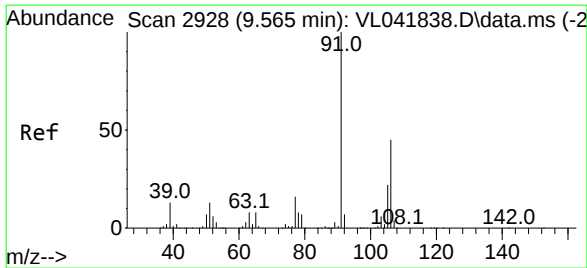
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. -0.007 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

Tgt Ion:117 Resp: 172495
Ion Ratio Lower Upper
117 100
82 68.8 59.1 88.7
119 31.8 27.3 40.9





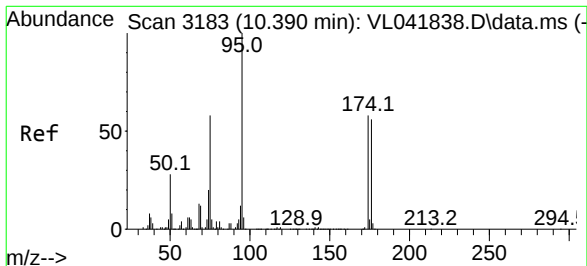
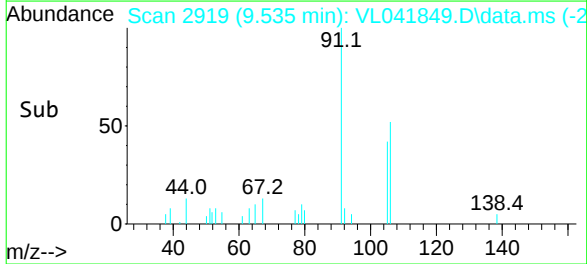
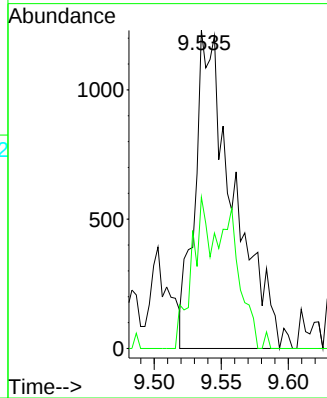
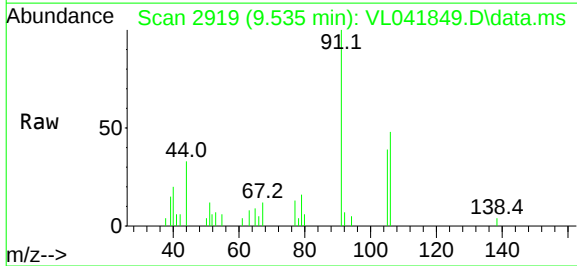
#59
m/p-Xylene
Concen: 0.118 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.029 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 2437
Ion Ratio Lower Upper
91 100
106 0.0 36.7 55.1#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.080 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.007 min
Lab File: VL041849.D
Acq: 07 Jan 2025 18:03

Tgt Ion: 95 Resp: 163694
Ion Ratio Lower Upper
95 100
174 58.0 47.6 71.4
175 4.7 3.8 5.6

