

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043219.D
 Acq On : 18 Nov 2025 18:49
 Operator : SY/MD
 Sample : Q3650-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:38:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	96487	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	253507	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	197811	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	148639	10.251	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	6241	0.459	ppbv	94
3) Chlorodifluoromethane	1.476	51	3315m	0.248	ppbv	
4) Chloromethane	1.534	50	2395	0.471	ppbv #	87
9) Propene	1.489	41	4862	0.856	ppbv #	1
11) Trichlorofluoromethane	1.881	101	2849m	0.216	ppbv	
13) Ethanol	1.722	45	22426	11.222	ppbv	94
15) Acetone	1.835	43	390504	29.131	ppbv	99
19) Isopropyl Alcohol	1.887	45	23947	3.161	ppbv #	1
20) Methylene Chloride	2.065	84	6139	0.835	ppbv #	92
26) Hexane	2.829	57	5923	0.467	ppbv #	64
34) 2-Butanone	2.560	43	5222	0.292	ppbv	93
35) Carbon Tetrachloride	3.761	117	1420m	0.074	ppbv	
36) Benzene	3.658	78	2456m	0.101	ppbv	
43) Methyl Methacrylate	4.881	69	3475m	0.270	ppbv	
53) Toluene	6.930	91	11489m	0.400	ppbv	
59) m/p-Xylene	9.529	91	7287m	0.239	ppbv	
61) Styrene	9.872	104	1495m	0.112	ppbv	

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

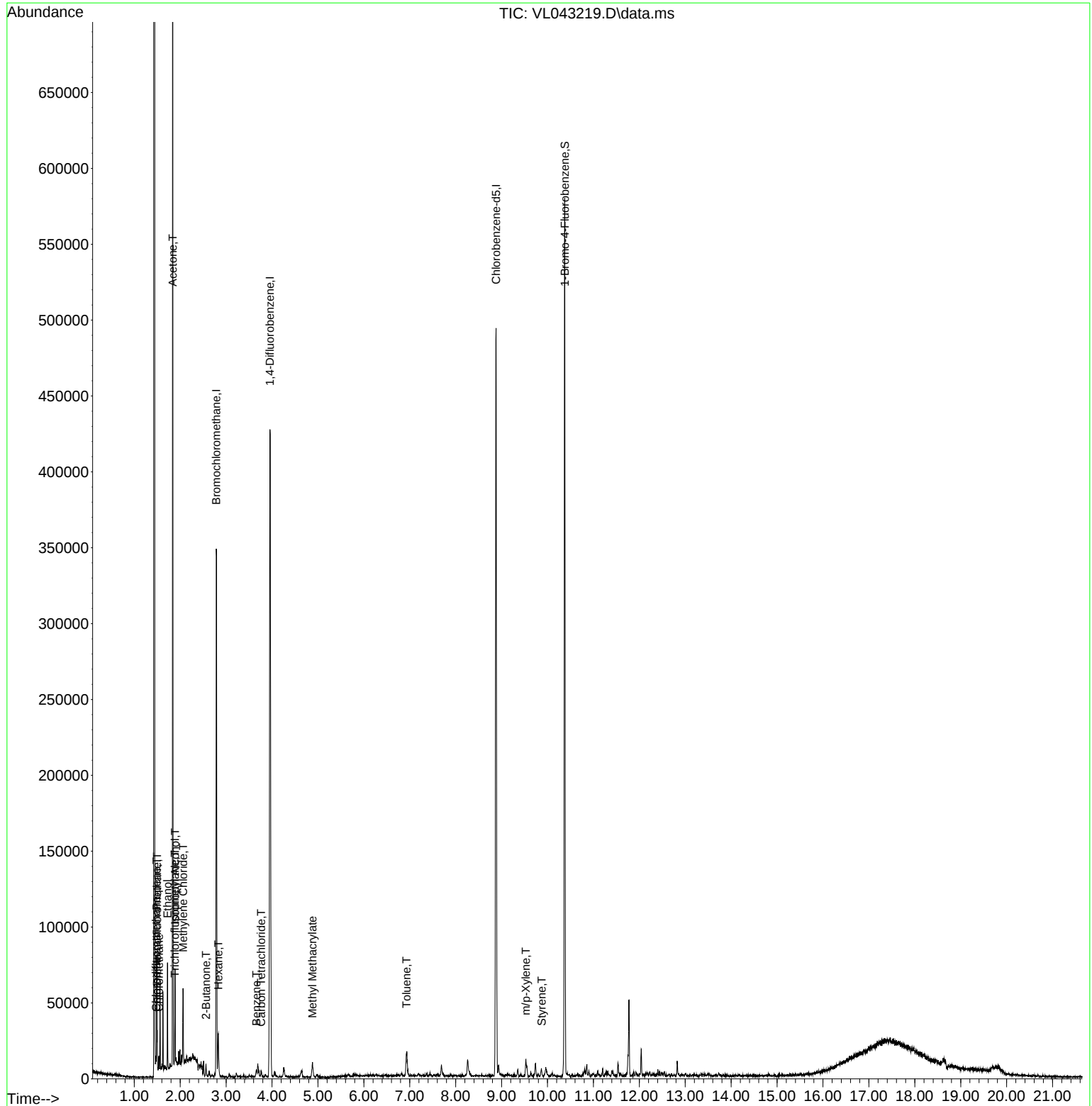
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043219.D
Acq On : 18 Nov 2025 18:49
Operator : SY/MD
Sample : Q3650-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

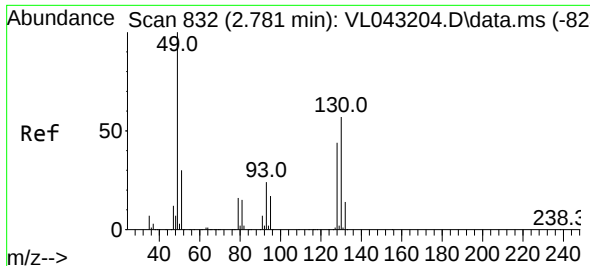
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Nov 19 01:38:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

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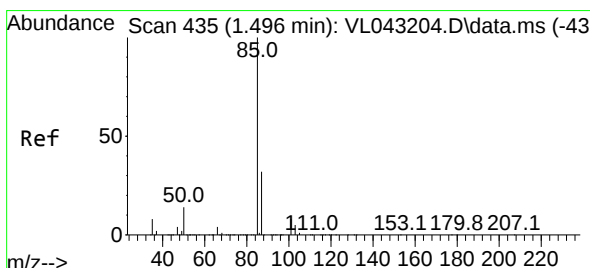
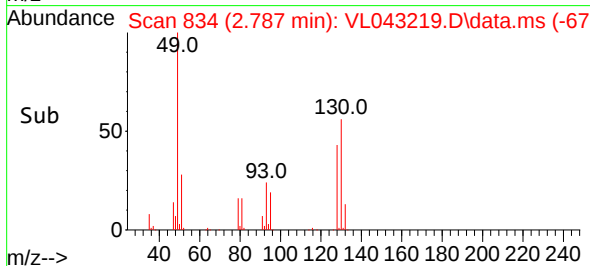
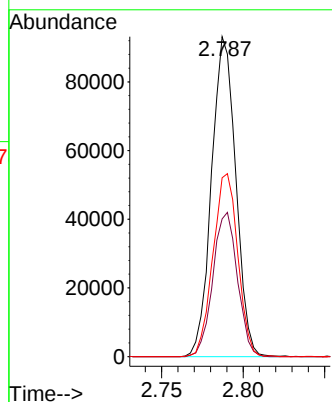
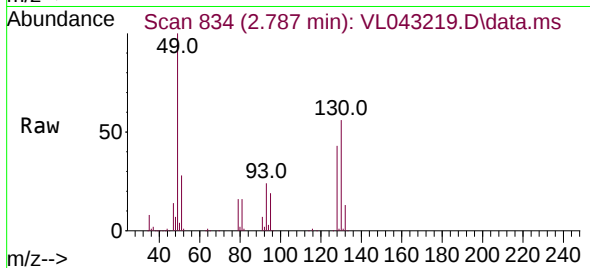
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 832
Delta R.T. 0.006 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 49 Resp: 9648
Ion Ratio Lower Upper
49 100
128 45.5 23.0 69.0
130 58.5 29.9 89.7

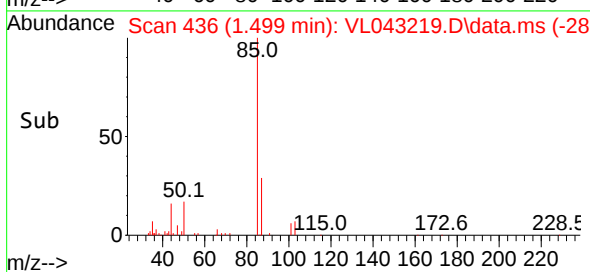
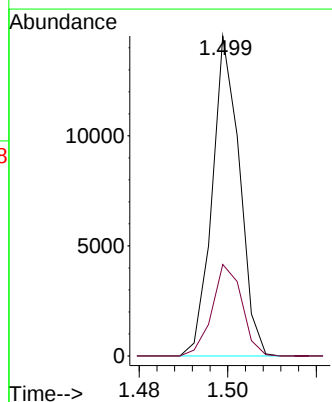
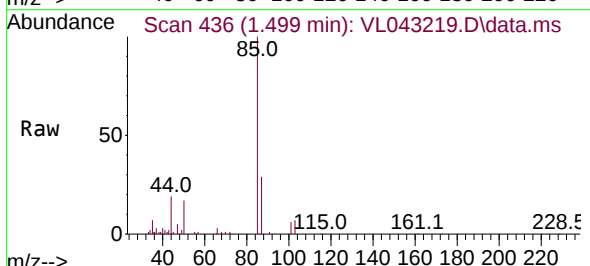
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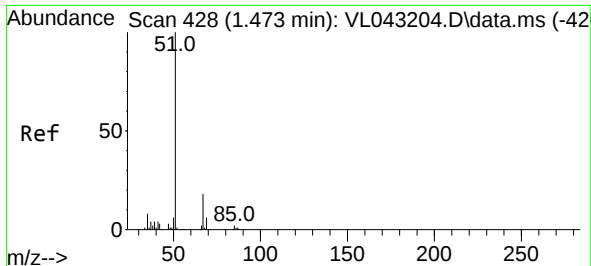
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Supervised By :Mahesh Dadoda 11/19/2025



#2
Dichlorodifluoromethane
Concen: 0.459 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Tgt Ion: 85 Resp: 6241
Ion Ratio Lower Upper
85 100
87 28.6 25.4 38.2





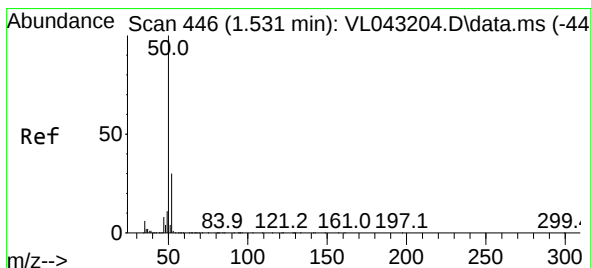
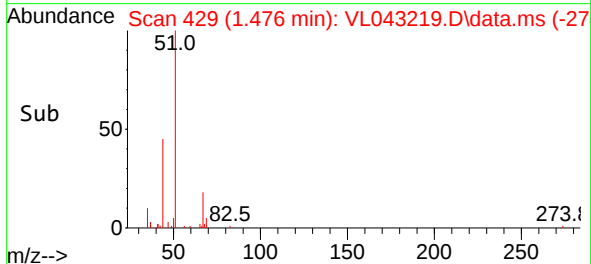
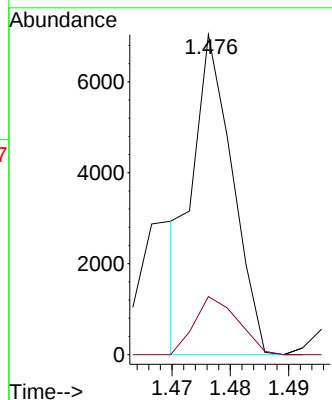
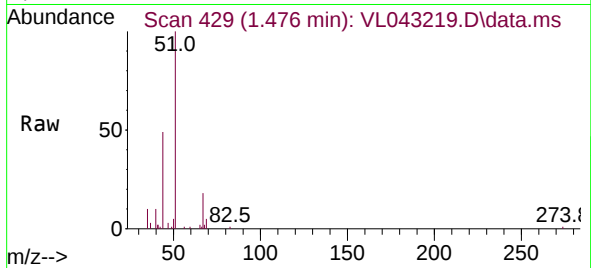
#3
Chlorodifluoromethane
Concen: 0.248 ppbv m
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 51 Resp: 3315
Ion Ratio Lower Upper
51 100
67 20.1 14.9 22.3

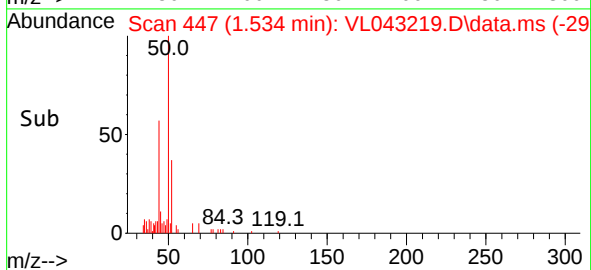
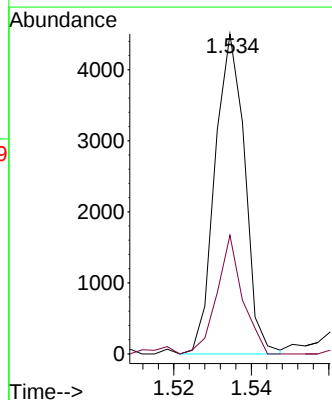
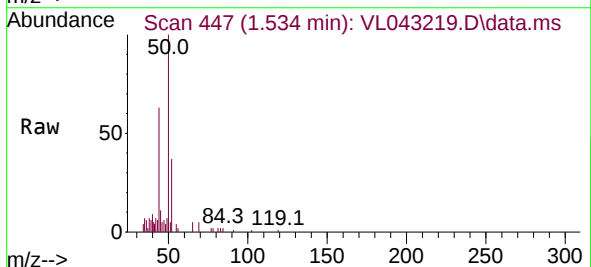
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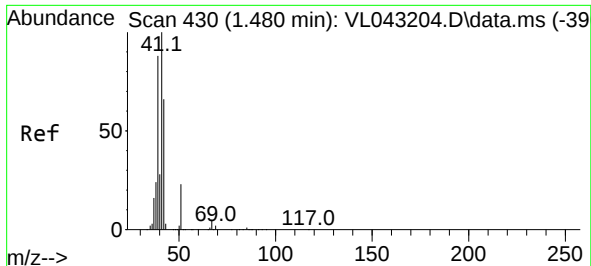
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#4
Chloromethane
Concen: 0.471 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

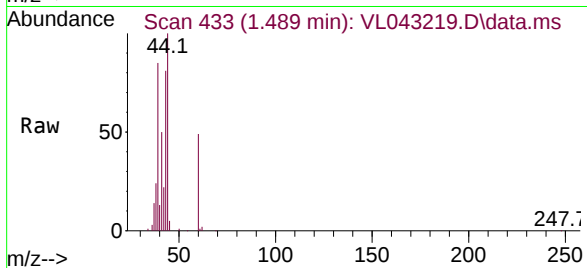
Tgt Ion: 50 Resp: 2395
Ion Ratio Lower Upper
50 100
52 37.1 24.1 36.1#





#9
Propene
Concen: 0.856 ppbv
RT: 1.489 min Scan# 430
Delta R.T. 0.010 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

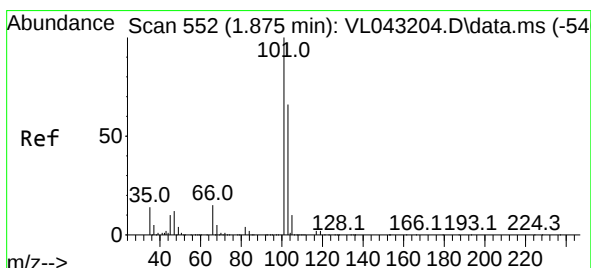
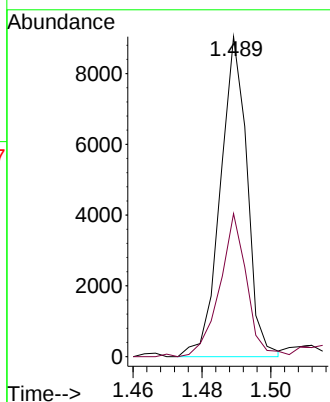
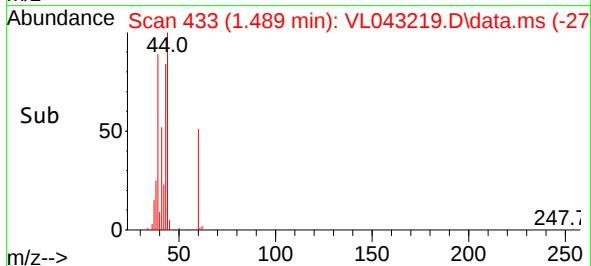
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 41 Resp: 4862
Ion Ratio Lower Upper
41 100
42 50.1 3.7 5.5

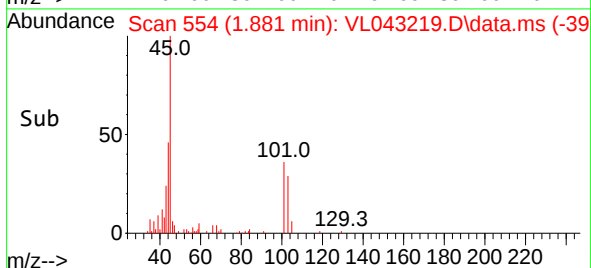
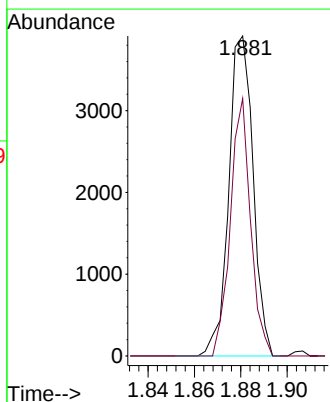
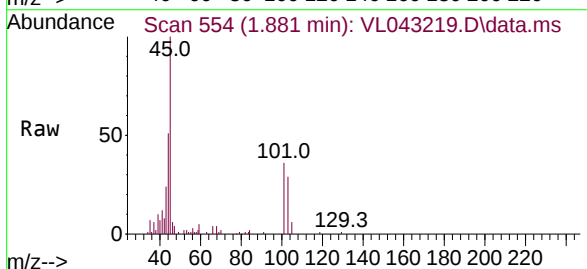
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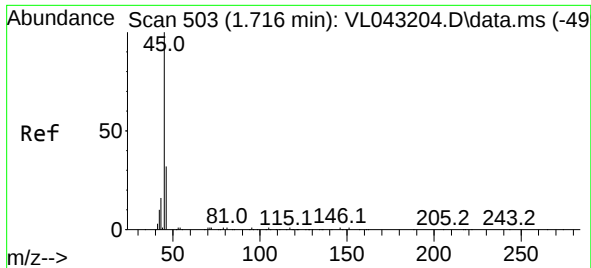
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#11
Trichlorofluoromethane
Concen: 0.216 ppbv m
RT: 1.881 min Scan# 554
Delta R.T. 0.006 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Tgt Ion:101 Resp: 2849
Ion Ratio Lower Upper
101 100
103 80.4 52.6 79.0





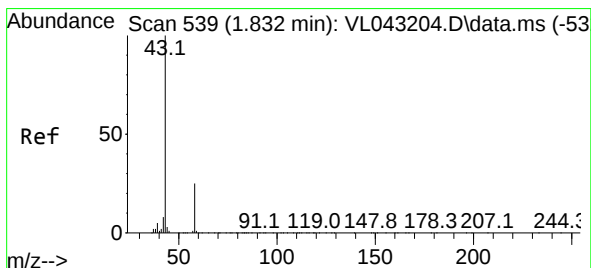
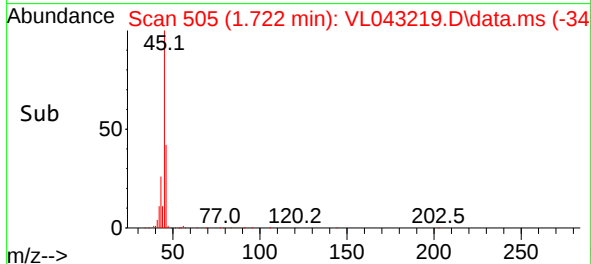
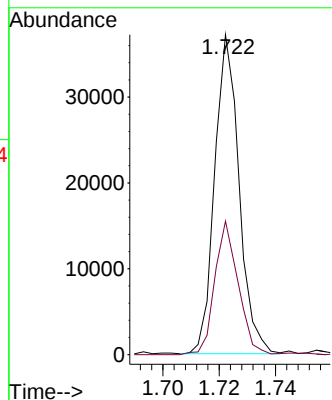
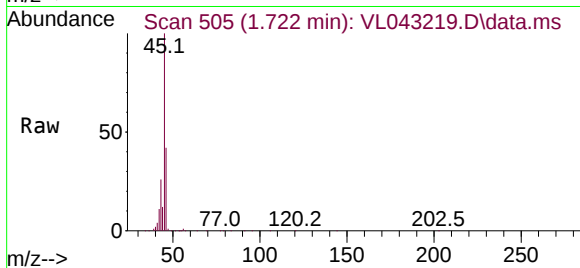
#13
Ethanol
Concen: 11.222 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.006 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 45 Resp: 22426
Ion Ratio Lower Upper
45 100
46 40.9 15.0 59.8

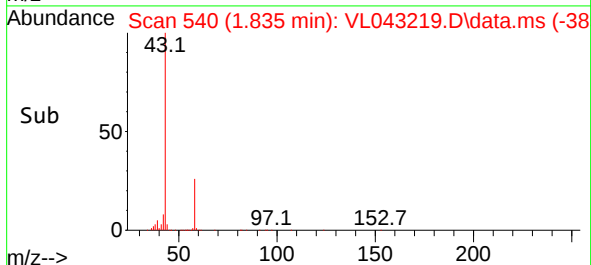
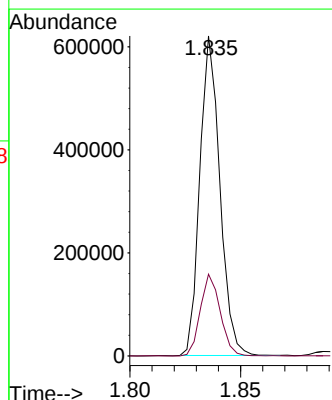
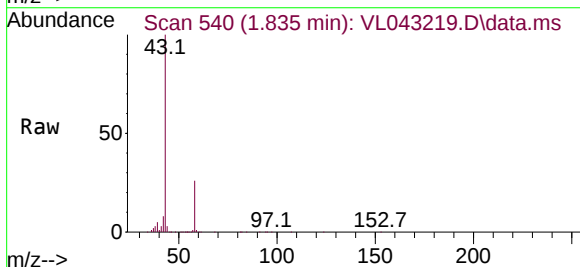
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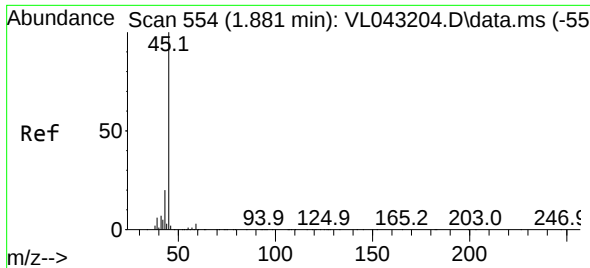
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#15
Acetone
Concen: 29.131 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Tgt Ion: 43 Resp: 390504
Ion Ratio Lower Upper
43 100
58 25.4 20.7 31.1





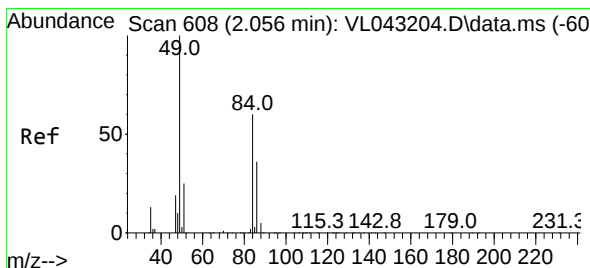
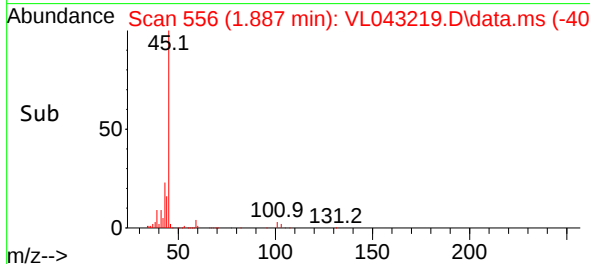
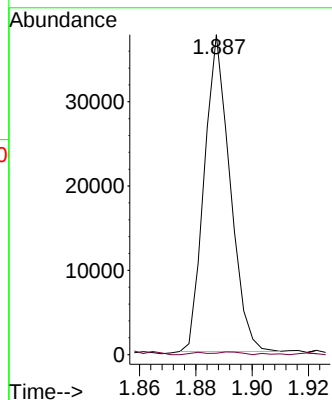
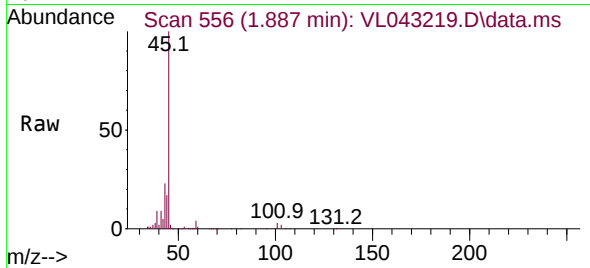
#19
Isopropyl Alcohol
Concen: 3.161 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 45 Resp: 2394
Ion Ratio Lower Upper
45 100
58 413.2 31.3 46.9

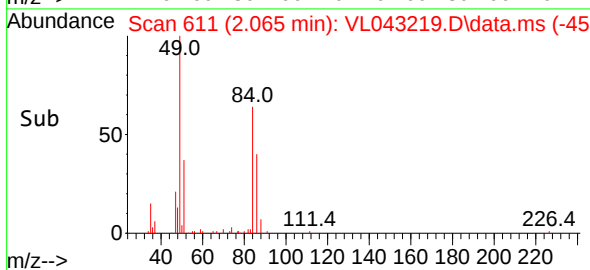
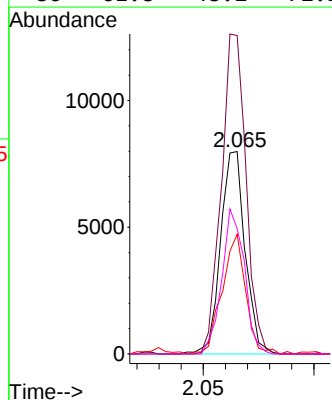
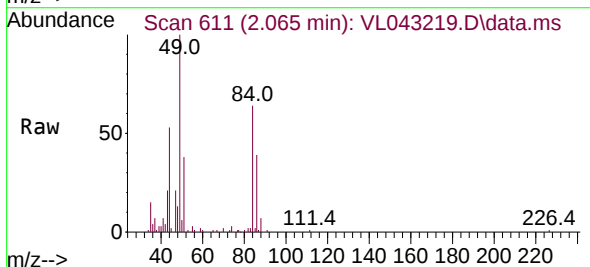
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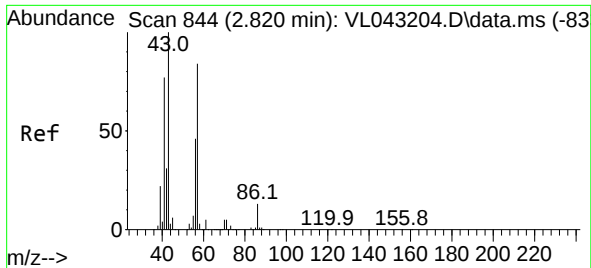
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#20
Methylene Chloride
Concen: 0.835 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.009 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

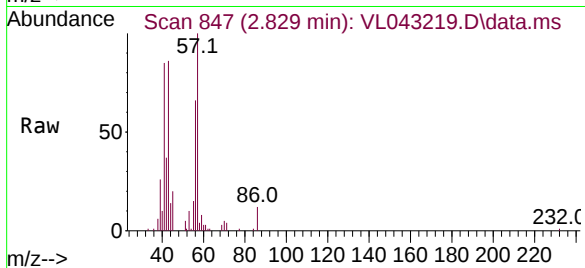
Tgt Ion: 84 Resp: 6139
Ion Ratio Lower Upper
84 100
49 157.3 132.9 199.3
51 59.1 34.8 52.2#
86 61.8 48.2 72.2





#26
Hexane
Concen: 0.467 ppbv
RT: 2.829 min Scan# 844
Delta R.T. 0.010 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

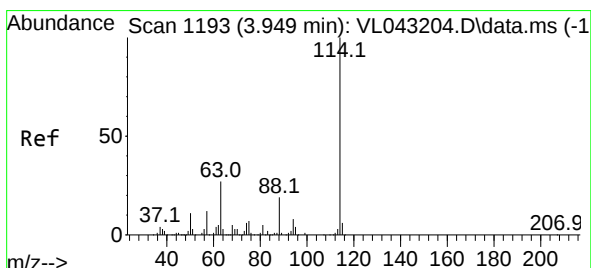
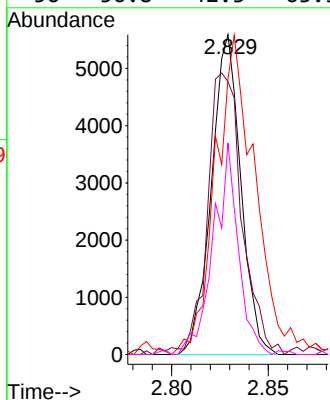
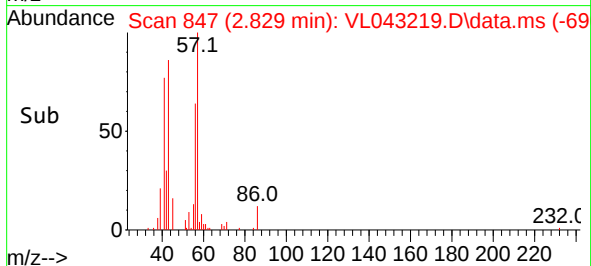
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 57 Resp: 5923
Ion Ratio Lower Upper
57 100
41 105.1 74.6 111.8
43 137.4 179.0 268.4
56 56.8 42.3 63.5

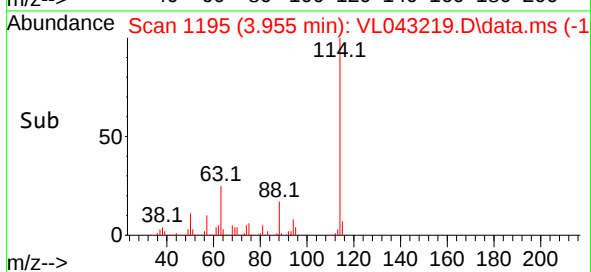
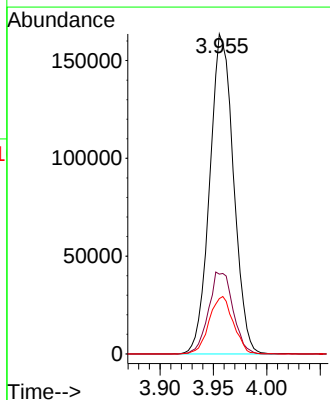
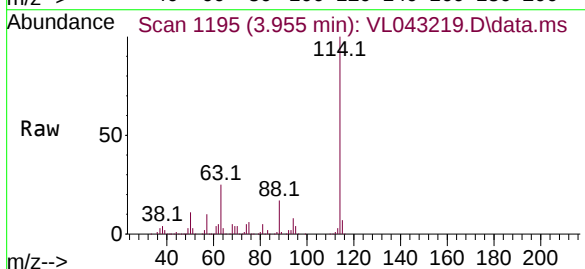
Manual Integrations
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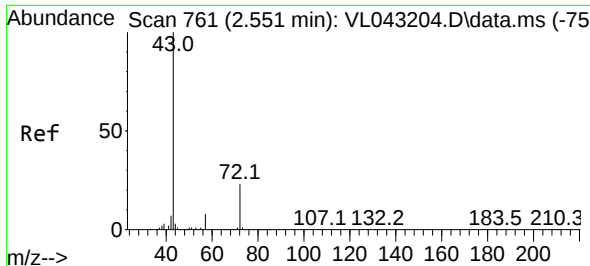
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

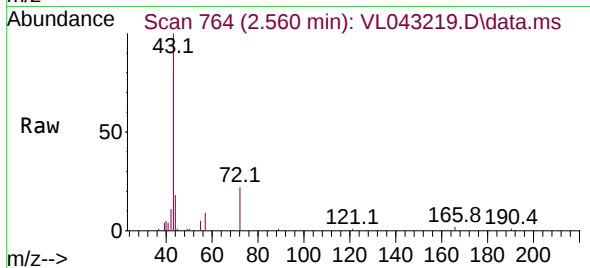
Tgt Ion:114 Resp: 253507
Ion Ratio Lower Upper
114 100
63 26.3 21.0 31.6
88 18.2 14.9 22.3





#34
2-Butanone
Concen: 0.292 ppbv
RT: 2.560 min Scan# 761
Delta R.T. 0.010 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

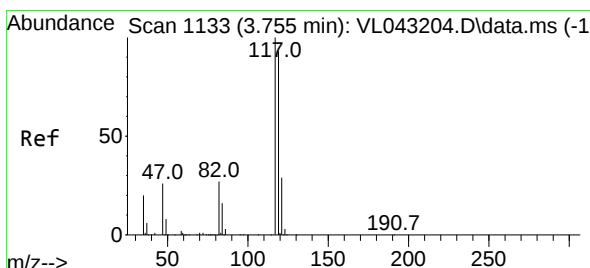
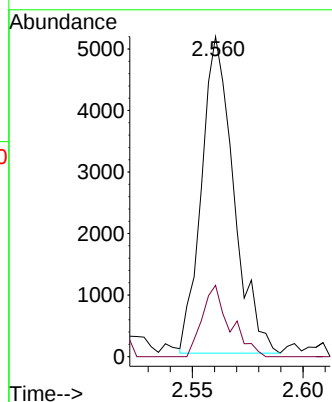
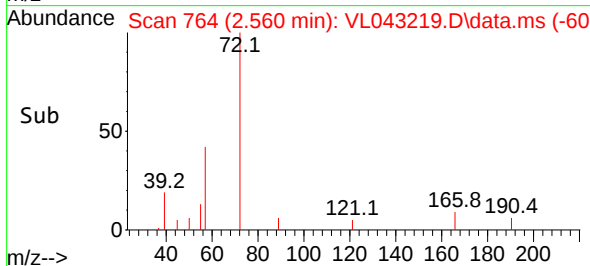
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
72 19.3 18.1 27.1

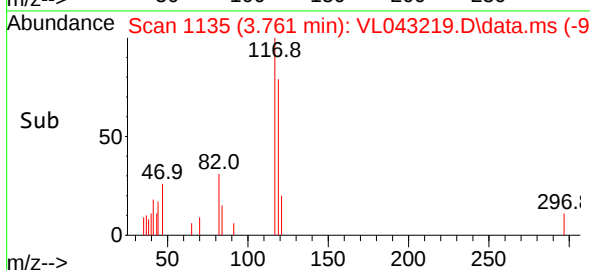
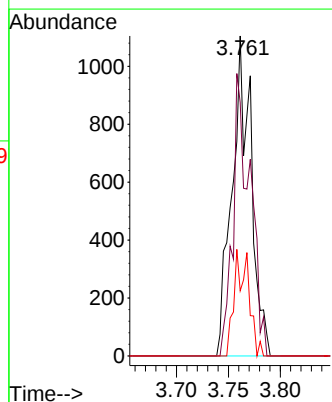
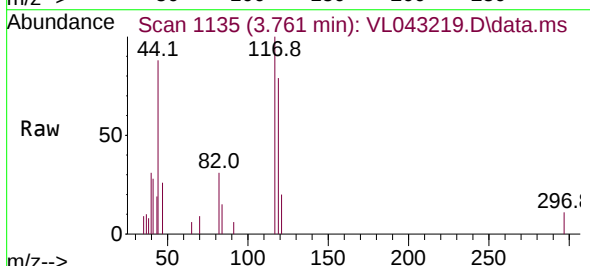
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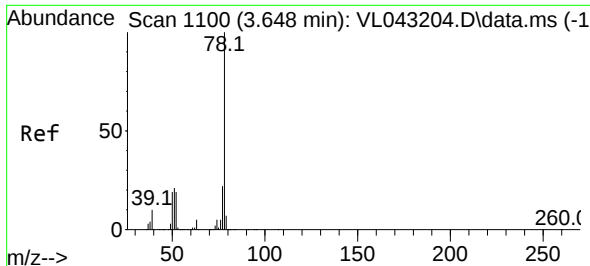
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

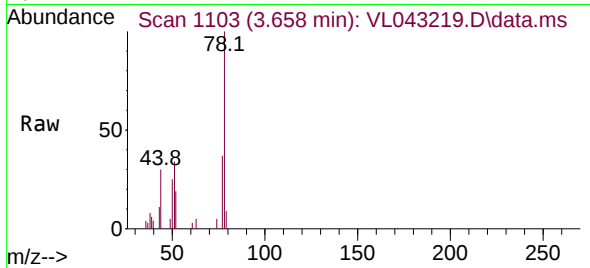
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Ion Ratio Lower Upper
117 100
119 79.2 74.6 112.0
121 20.4 23.2 34.8#





#36
Benzene
Concen: 0.101 ppbv m
RT: 3.658 min Scan# 1103
Delta R.T. 0.010 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

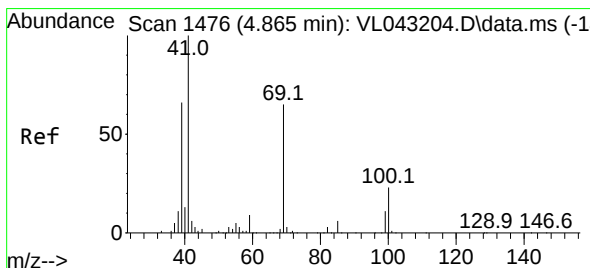
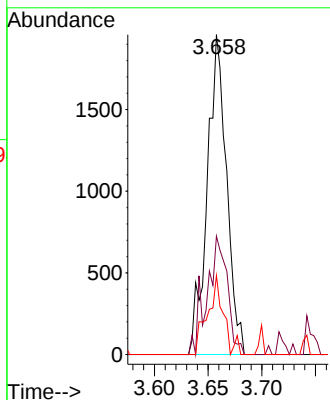
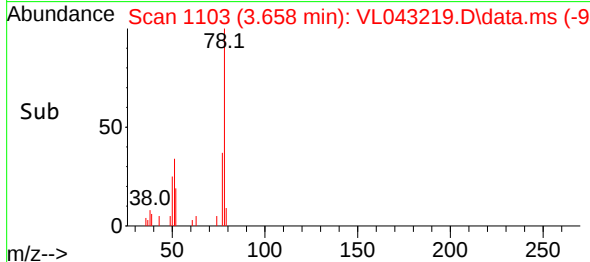
Instrument :
MSVOA_L
ClientSampleId :
IA2



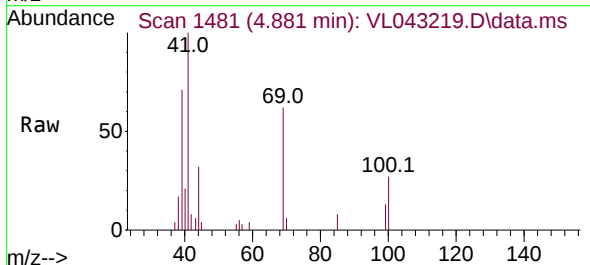
Tgt Ion: 78 Resp: 2456
Ion Ratio Lower Upper
78 100
77 37.0 17.5 26.3#
50 24.7 15.5 23.3#

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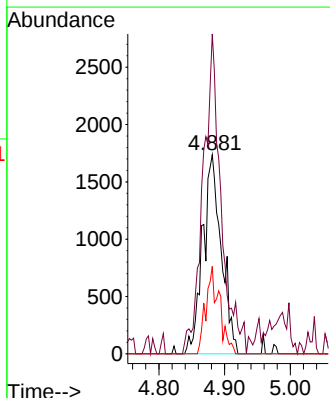
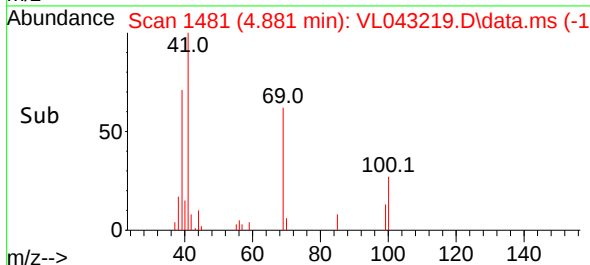
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

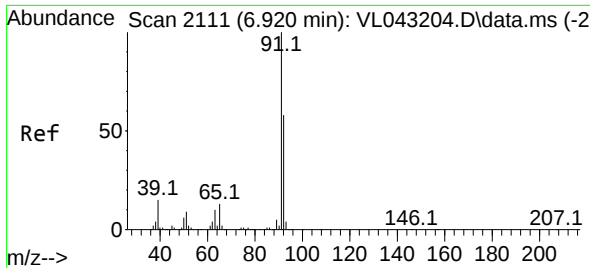


#43
Methyl Methacrylate
Concen: 0.270 ppbv m
RT: 4.881 min Scan# 1481
Delta R.T. 0.016 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49



Tgt Ion: 69 Resp: 3475
Ion Ratio Lower Upper
69 100
41 0.0 126.7 190.1#
100 0.0 28.6 43.0#





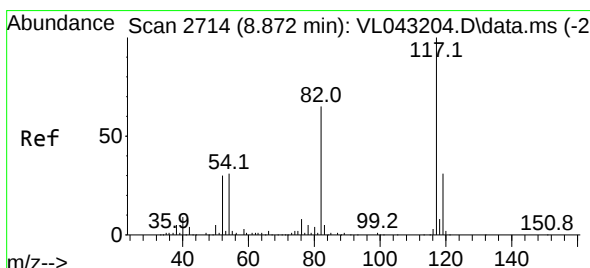
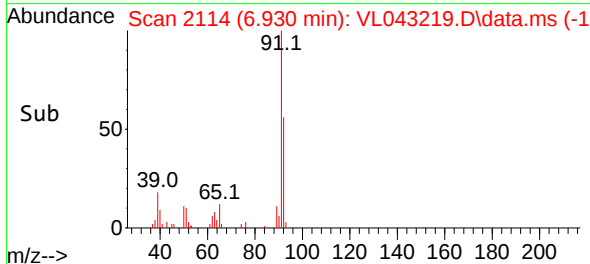
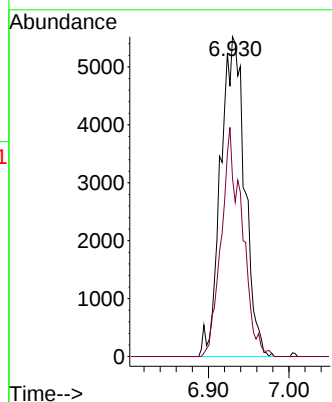
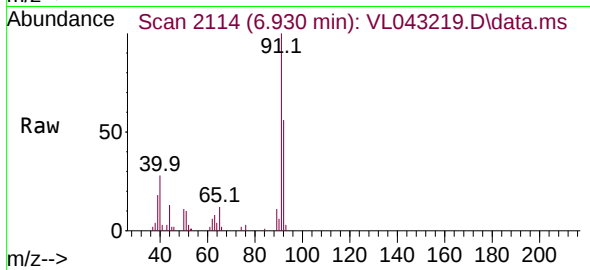
#53
Toluene
Concen: 0.400 ppbv m
RT: 6.930 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 91 Resp: 11489
Ion Ratio Lower Upper
91 100
92 62.1 47.4 71.0

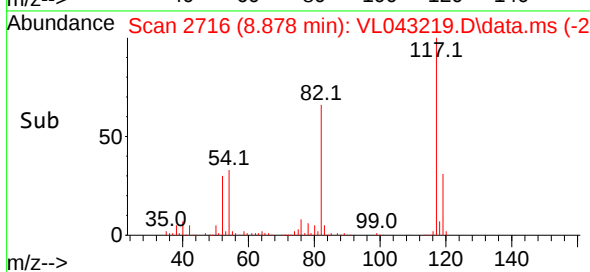
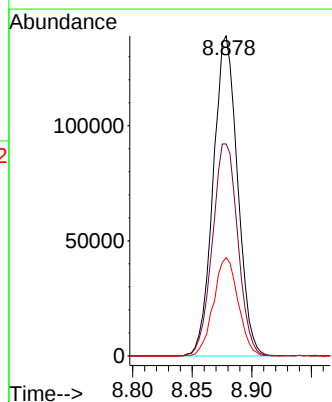
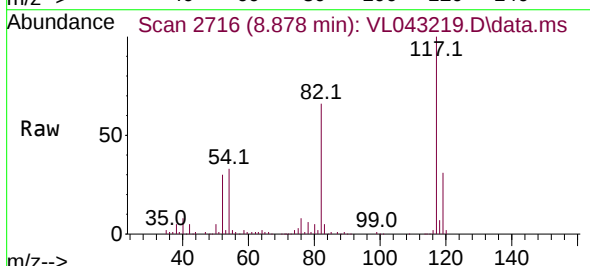
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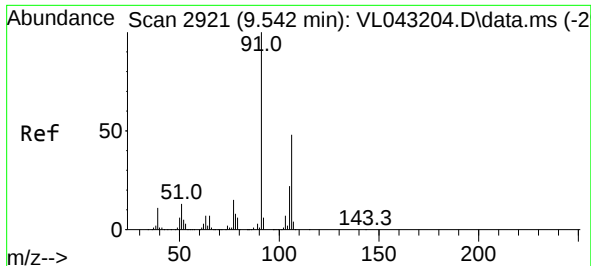
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.006 min
Lab File: VL043219.D
Acq: 18 Nov 2025 18:49

Tgt Ion:117 Resp: 197811
Ion Ratio Lower Upper
117 100
82 69.2 56.1 84.1
119 31.1 25.0 37.6





#59

m/p-Xylene

Concen: 0.239 ppbv m

RT: 9.529 min Scan# 2917

Delta R.T. -0.013 min

Lab File: VL043219.D

Acq: 18 Nov 2025 18:49

Instrument :

MSVOA_L

ClientSampleId :

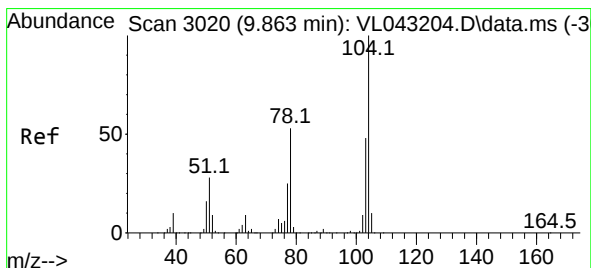
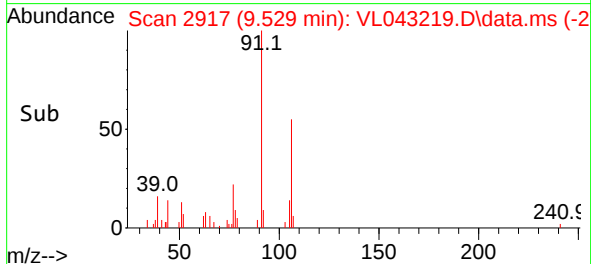
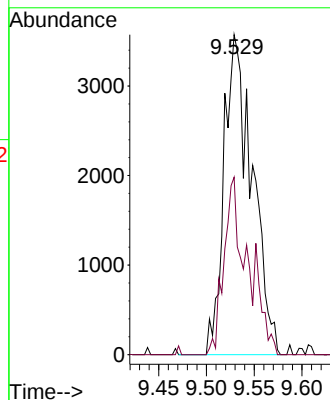
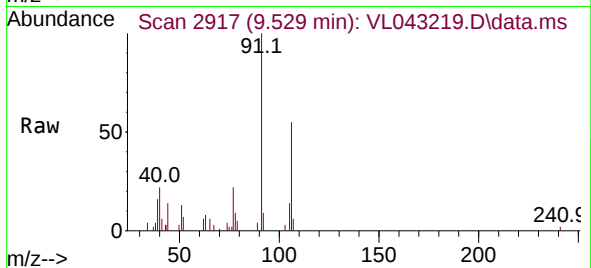
IA2

Tgt Ion: 91 Resp: 728
 Ion Ratio Lower Upper
 91 100
 106 0.0 36.1 54.1

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Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#61

Styrene

Concen: 0.112 ppbv m

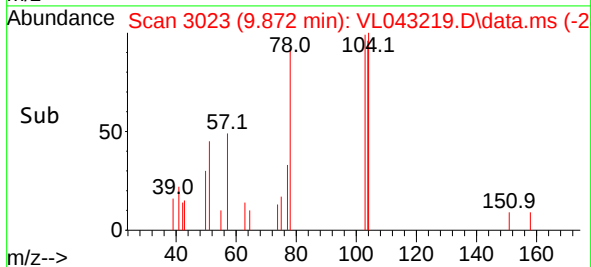
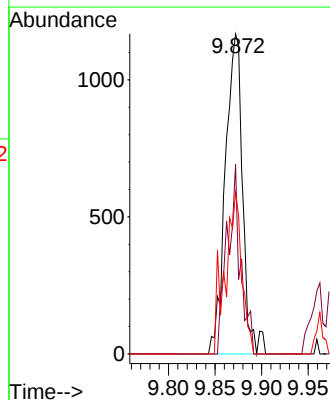
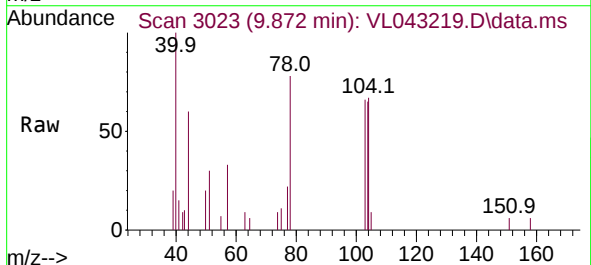
RT: 9.872 min Scan# 3023

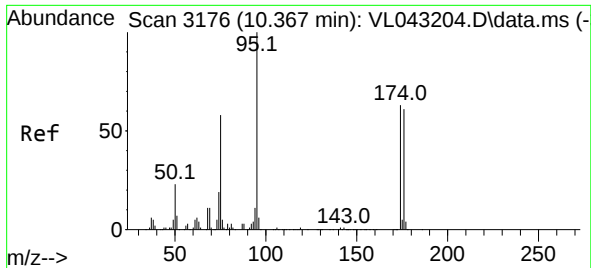
Delta R.T. 0.010 min

Lab File: VL043219.D

Acq: 18 Nov 2025 18:49

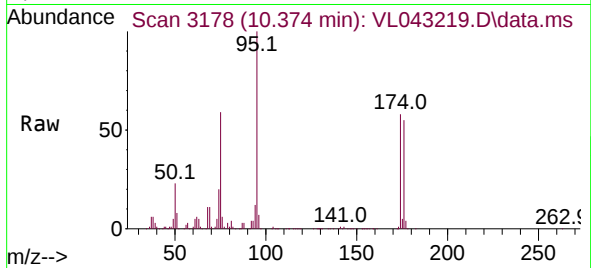
Tgt Ion:104 Resp: 1495
 Ion Ratio Lower Upper
 104 100
 78 0.0 42.1 63.1#
 103 0.0 37.2 55.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.251 ppbv
 RT: 10.374 min Scan# 3176
 Delta R.T. 0.006 min
 Lab File: VL043219.D
 Acq: 18 Nov 2025 18:49

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2



Tgt Ion: 95 Resp: 148639
 Ion Ratio Lower Upper
 95 100
 174 58.3 50.2 75.2
 175 4.4 4.1 6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

