

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043319.D
 Acq On : 08 Dec 2025 18:46
 Operator : SY/MD
 Sample : Q3797-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 00:14:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

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	2.781	49	138687	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	355402	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	281292	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	204428	9.915	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	8984	0.459	ppbv	98
3) Chlorodifluoromethane	1.473	51	4798m	0.249	ppbv	
4) Chloromethane	1.531	50	3531	0.483	ppbv	93
9) Propene	1.486	41	4725	0.578	ppbv #	1
11) Trichlorofluoromethane	1.878	101	4739	0.250	ppbv	91
13) Ethanol	1.719	45	18516	6.446	ppbv	95
15) Acetone	1.832	43	61041	3.168	ppbv	99
19) Isopropyl Alcohol	1.884	45	7221	0.663	ppbv #	1
20) Methylene Chloride	2.059	84	29596	4.805	ppbv	95
26) Hexane	2.823	57	21888	1.201	ppbv #	45
34) 2-Butanone	2.554	43	8752	0.349	ppbv	91
35) Carbon Tetrachloride	3.755	117	1652m	0.061	ppbv	
36) Benzene	3.648	78	5266	0.155	ppbv #	92
53) Toluene	6.920	91	8694	0.216	ppbv	91

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

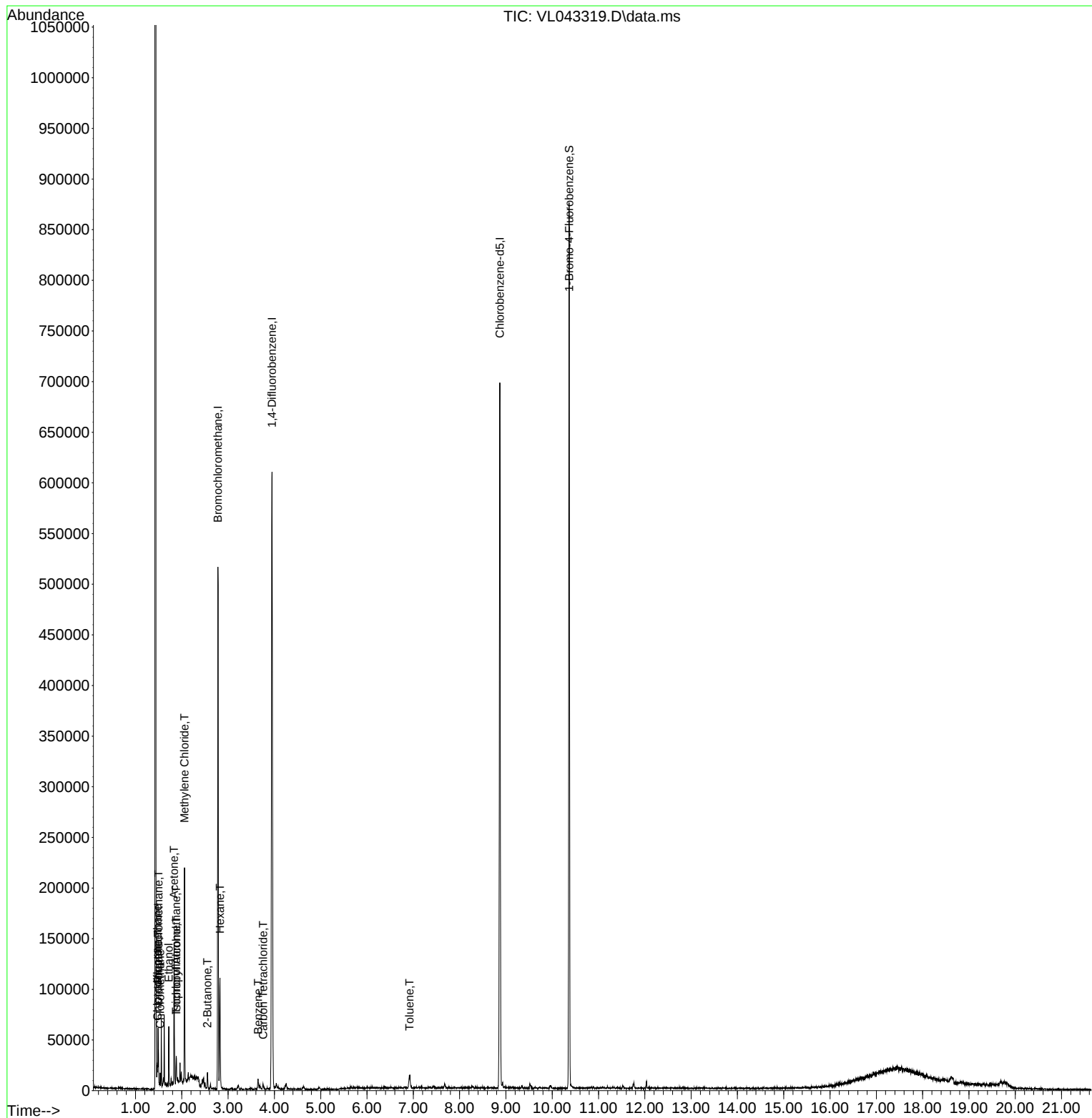
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043319.D
Acq On : 08 Dec 2025 18:46
Operator : SY/MD
Sample : Q3797-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

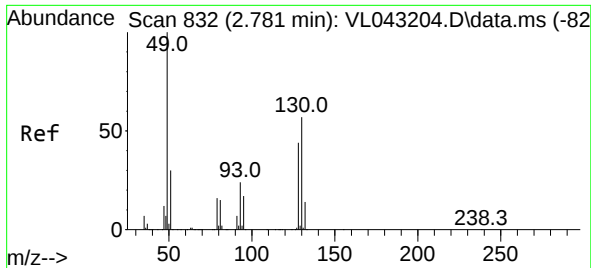
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Dec 09 00:14:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

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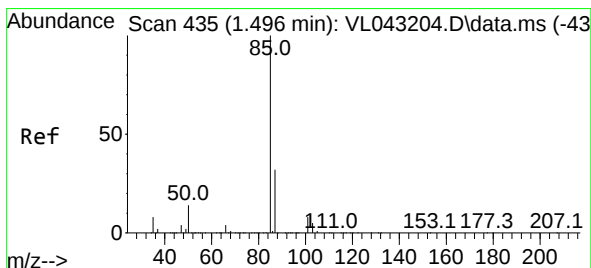
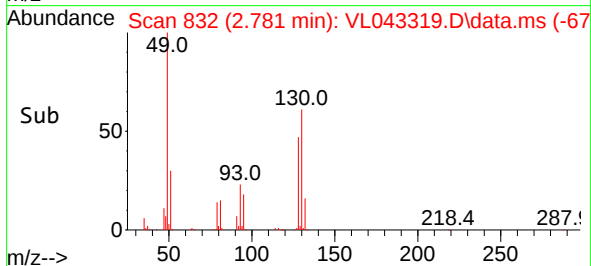
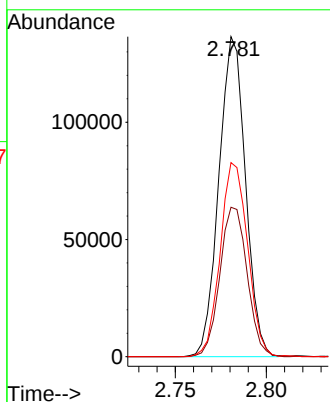
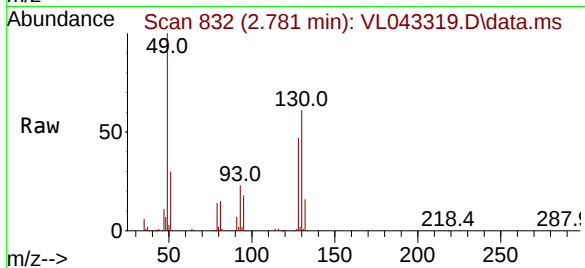
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 13868
Ion Ratio Lower Upper
49 100
128 47.9 23.0 69.0
130 62.6 29.9 89.7

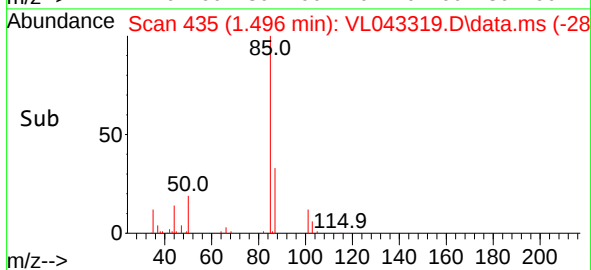
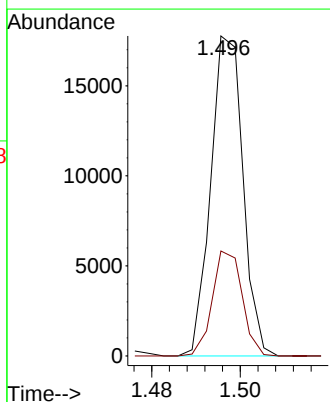
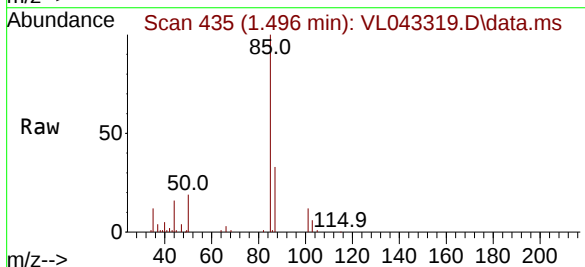
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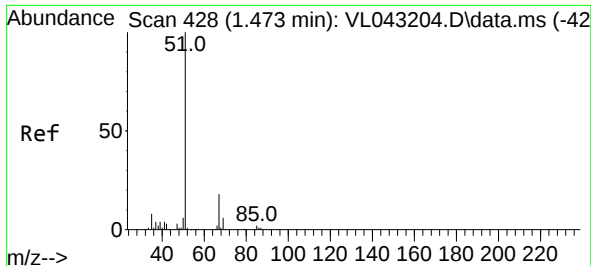
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#2
Dichlorodifluoromethane
Concen: 0.459 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Tgt Ion: 85 Resp: 8984
Ion Ratio Lower Upper
85 100
87 32.8 25.4 38.2





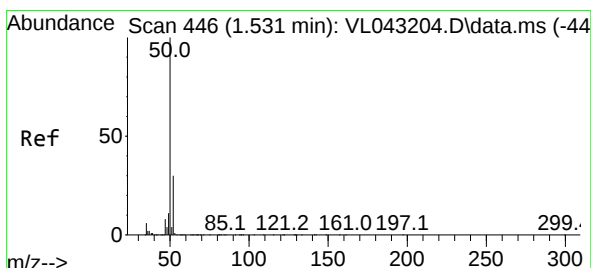
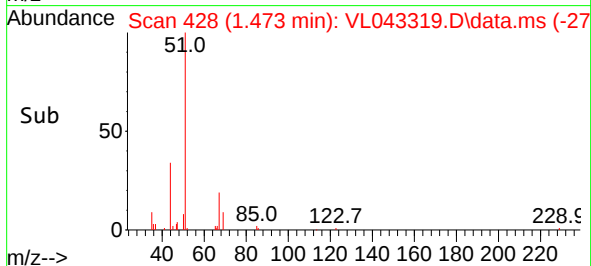
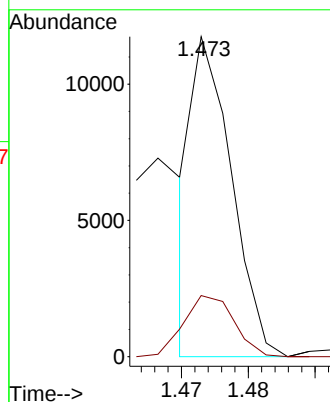
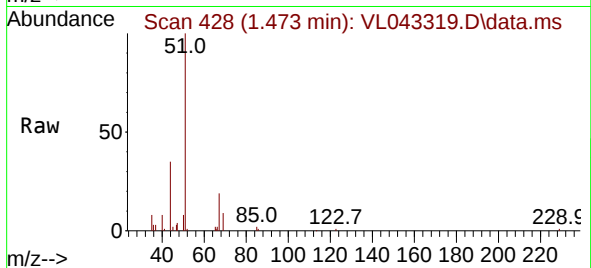
#3
Chlorodifluoromethane
Concen: 0.249 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 4798
Ion Ratio Lower Upper
51 100
67 24.6 14.9 22.3

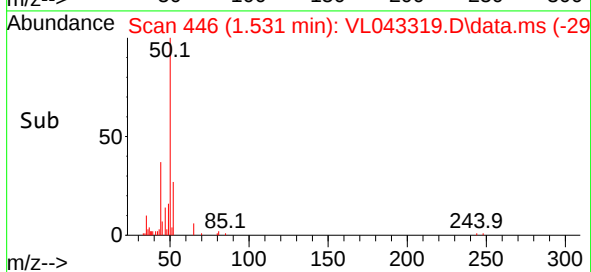
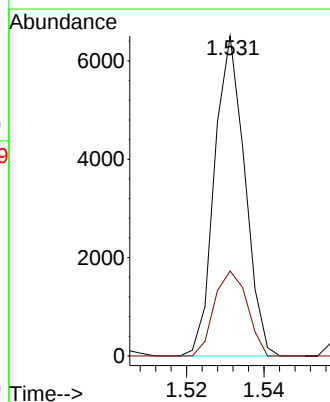
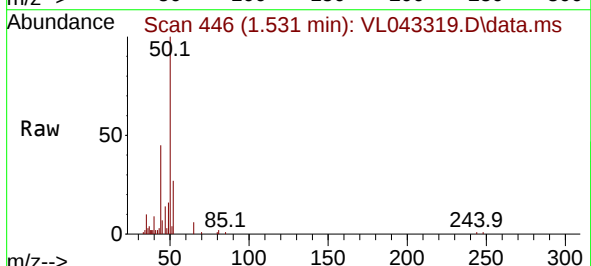
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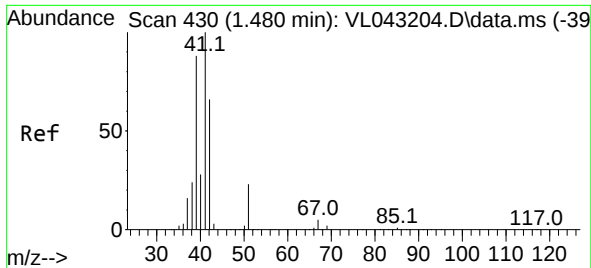
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#4
Chloromethane
Concen: 0.483 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Tgt Ion: 50 Resp: 3531
Ion Ratio Lower Upper
50 100
52 26.6 24.1 36.1





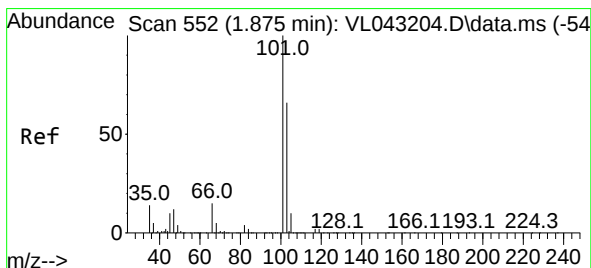
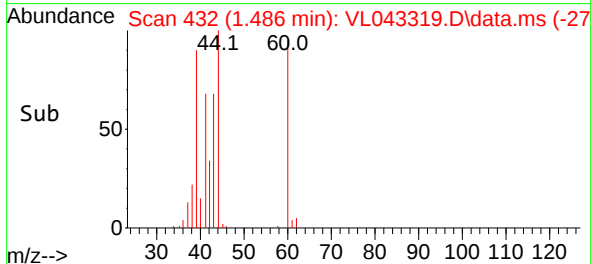
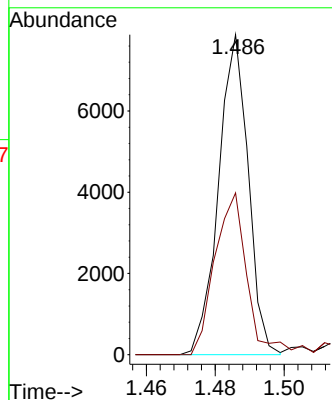
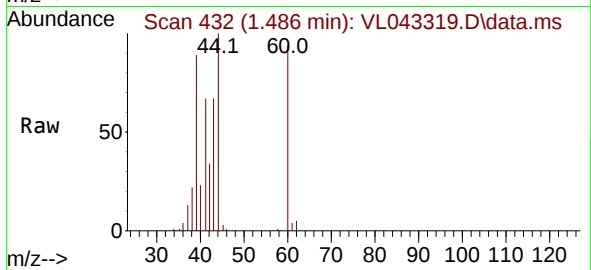
#9
 Propene
 Concen: 0.578 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL043319.D
 Acq: 08 Dec 2025 18:46

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Tgt Ion: 41 Resp: 4725
 Ion Ratio Lower Upper
 41 100
 42 58.9 3.7 5.5

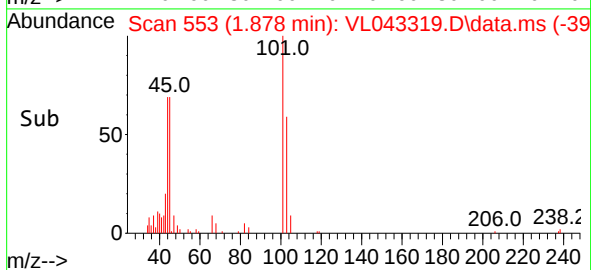
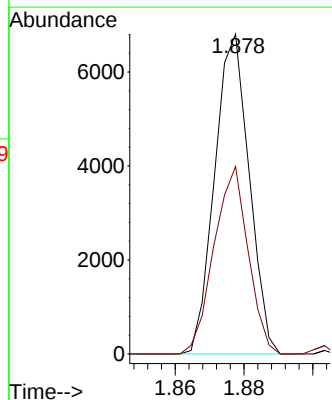
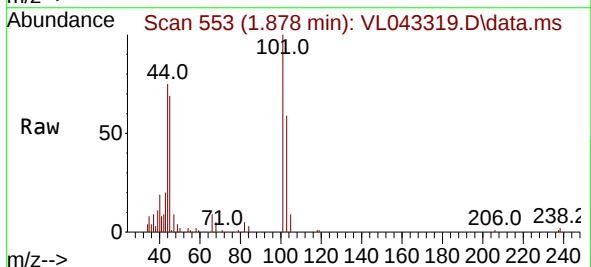
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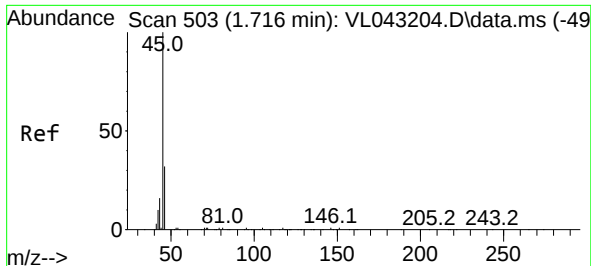
Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025



#11
 Trichlorofluoromethane
 Concen: 0.250 ppbv
 RT: 1.878 min Scan# 553
 Delta R.T. 0.003 min
 Lab File: VL043319.D
 Acq: 08 Dec 2025 18:46

Tgt Ion:101 Resp: 4739
 Ion Ratio Lower Upper
 101 100
 103 58.6 52.6 79.0





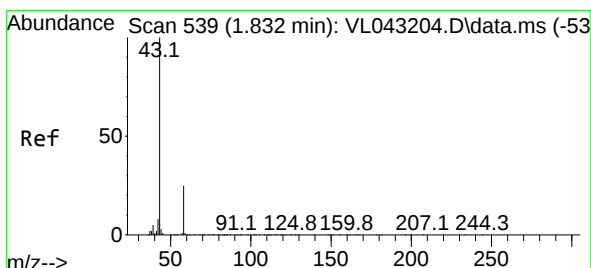
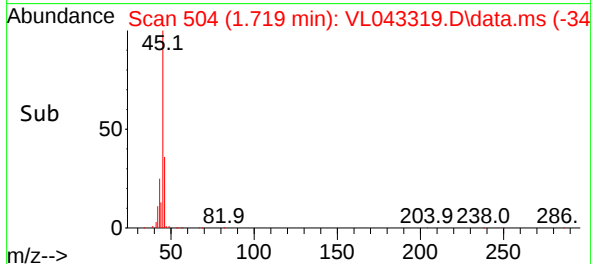
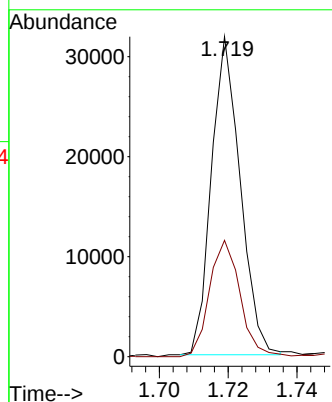
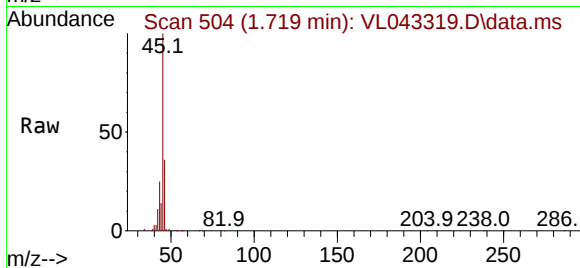
#13
Ethanol
Concen: 6.446 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 18510
Ion Ratio Lower Upper
45 100
46 40.1 15.0 59.8

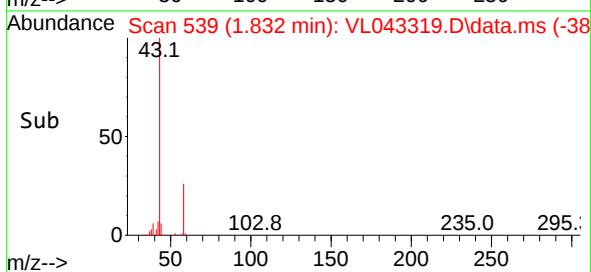
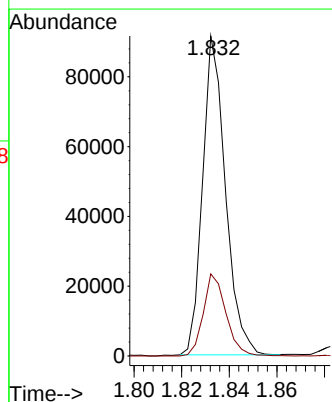
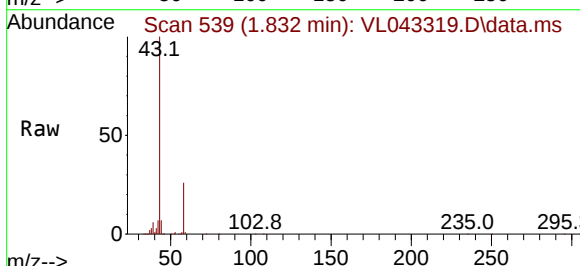
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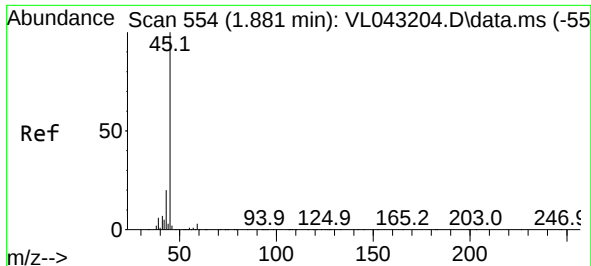
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#15
Acetone
Concen: 3.168 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Tgt Ion: 43 Resp: 61041
Ion Ratio Lower Upper
43 100
58 25.4 20.7 31.1





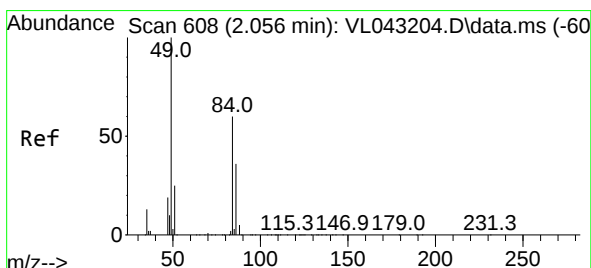
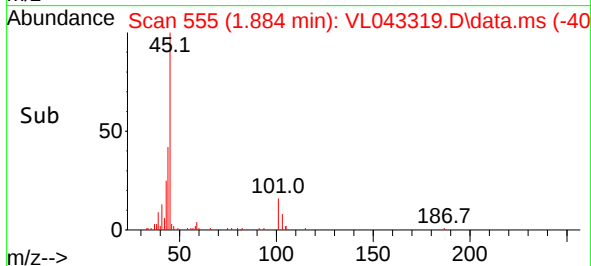
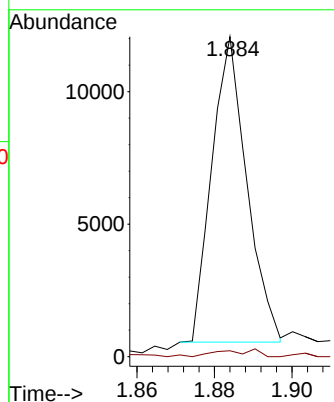
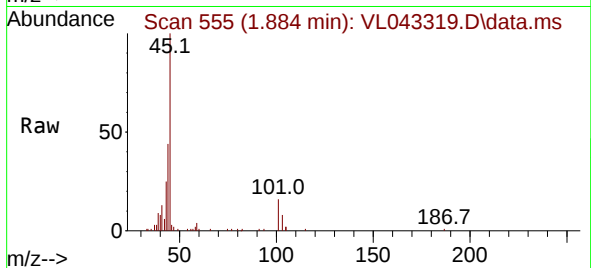
#19
Isopropyl Alcohol
Concen: 0.663 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 722
Ion Ratio Lower Upper
45 100
58 214.9 31.3 46.9

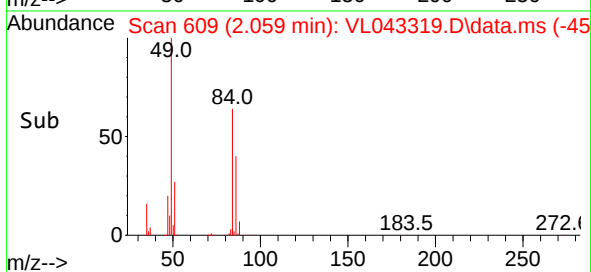
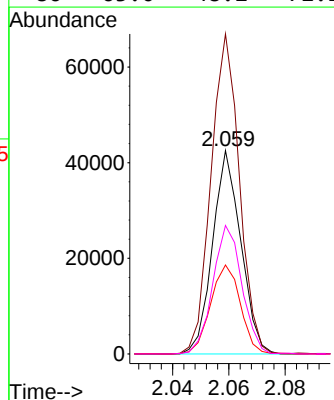
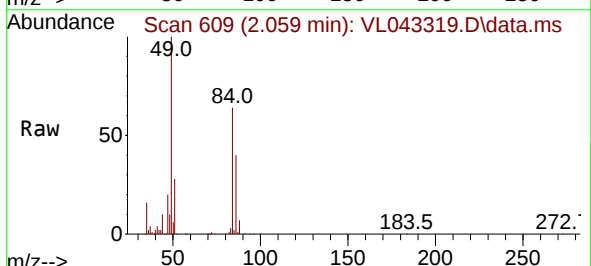
Manual Integrations
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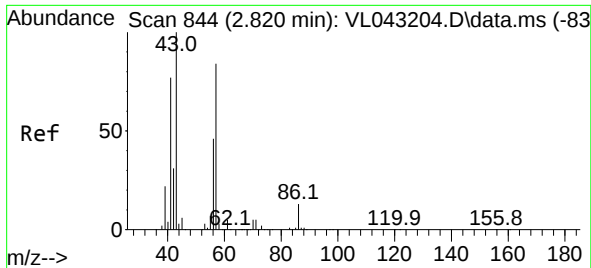
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#20
Methylene Chloride
Concen: 4.805 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

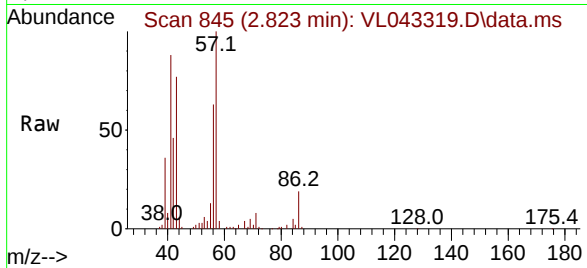
Tgt Ion: 84 Resp: 29596
Ion Ratio Lower Upper
84 100
49 157.1 132.9 199.3
51 43.4 34.8 52.2
86 63.0 48.2 72.2





#26
Hexane
Concen: 1.201 ppbv
RT: 2.823 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

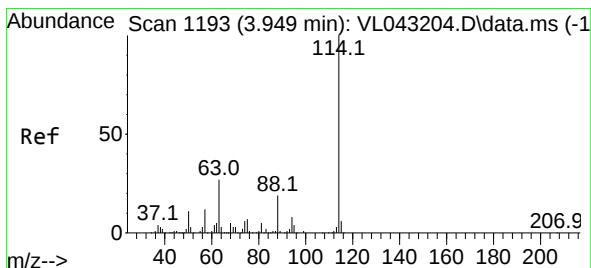
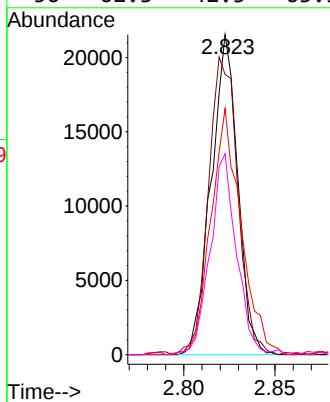
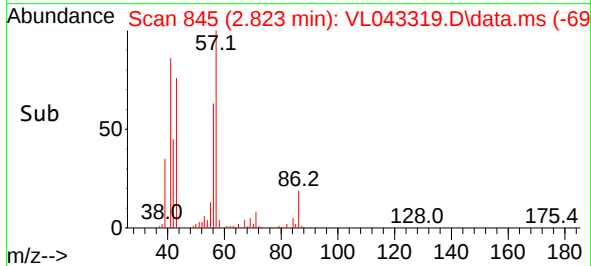
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 2188
Ion Ratio Lower Upper
57 100
41 103.2 74.6 111.8
43 88.8 179.0 268.4
56 62.3 42.3 63.5

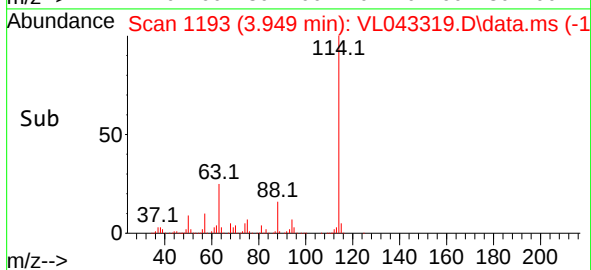
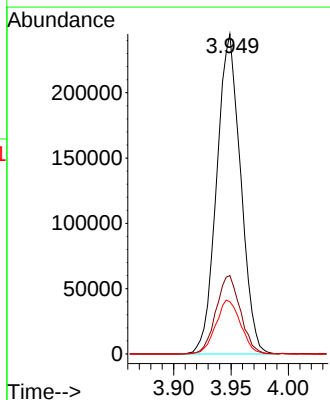
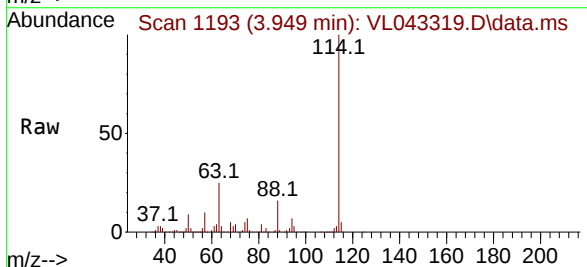
Manual Integrations
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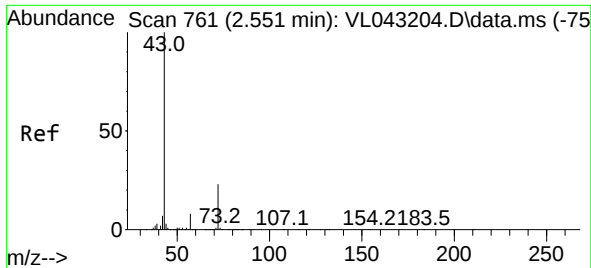
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Tgt Ion:114 Resp: 355402
Ion Ratio Lower Upper
114 100
63 25.0 21.0 31.6
88 17.4 14.9 22.3





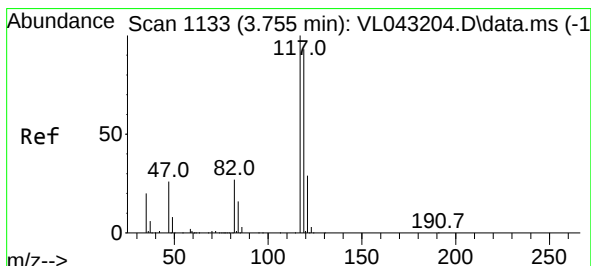
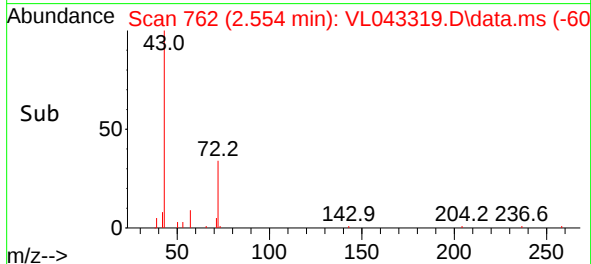
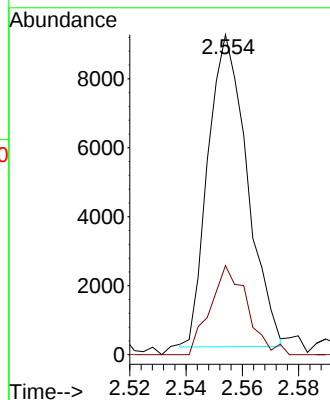
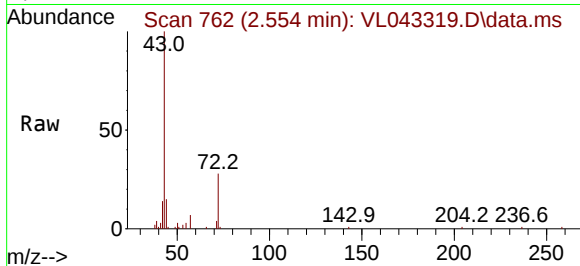
#34
2-Butanone
Concen: 0.349 ppbv
RT: 2.554 min Scan# 761
Delta R.T. 0.003 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
72 26.9 18.1 27.1

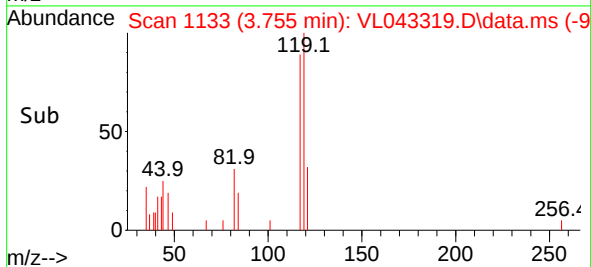
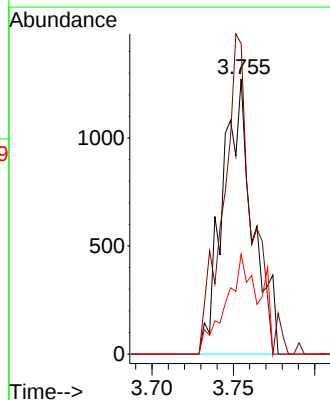
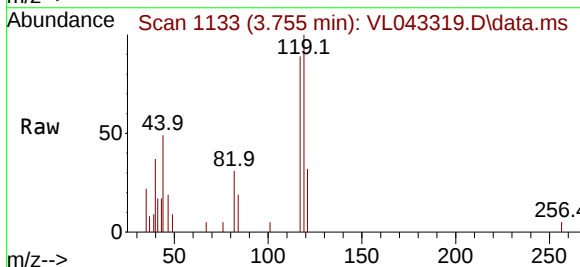
Manual Integrations
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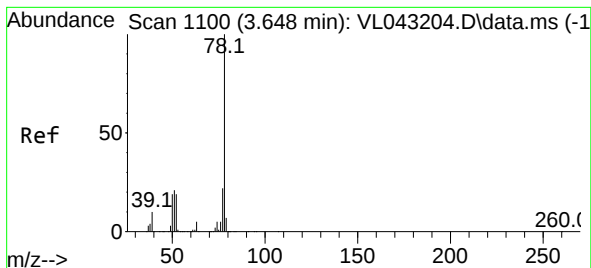
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Tgt Ion:117 Resp: 1652
Ion Ratio Lower Upper
117 100
119 112.8 74.6 112.0#
121 36.3 23.2 34.8#





#36

Benzene

Concen: 0.155 ppbv

RT: 3.648 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VL043319.D

Acq: 08 Dec 2025 18:46

Instrument :

MSVOA_L

ClientSampleId :

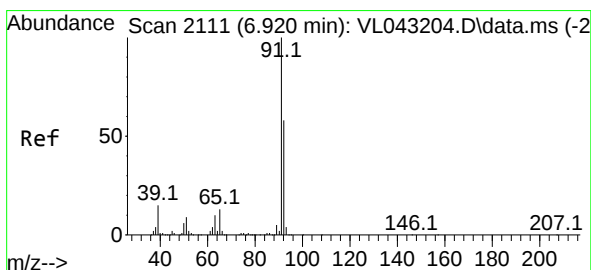
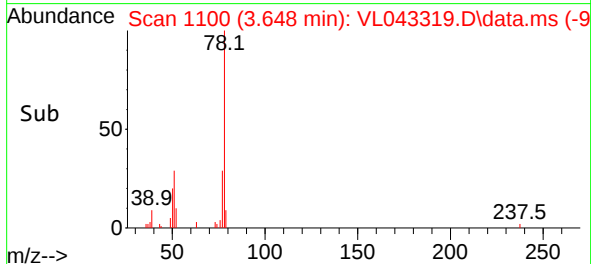
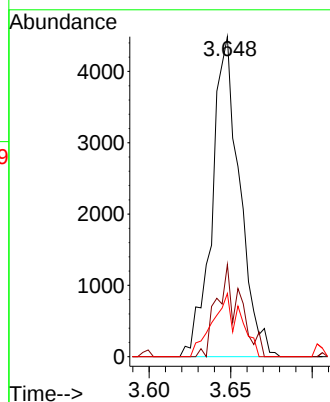
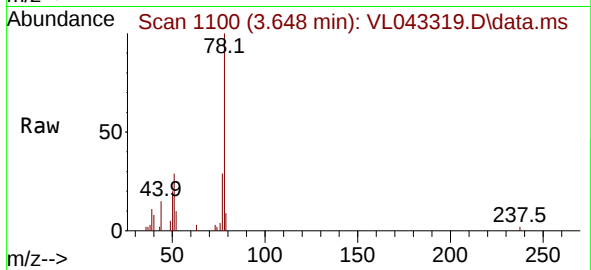
OA1

Tgt Ion: 78	Resp: 5260
Ion Ratio	Lower Upper
78 100	
77 28.8	17.5 26.3
50 19.8	15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#53

Toluene

Concen: 0.216 ppbv

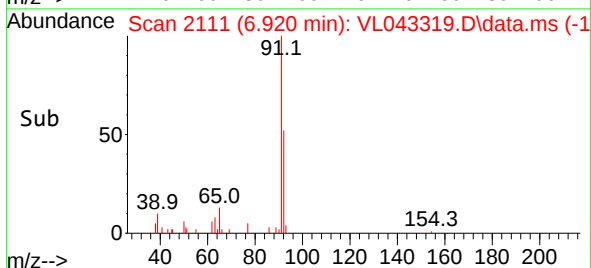
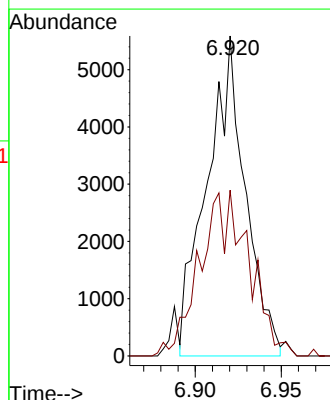
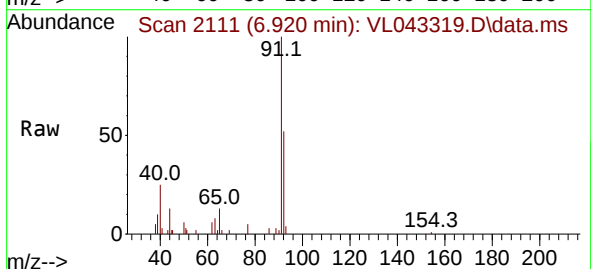
RT: 6.920 min Scan# 2111

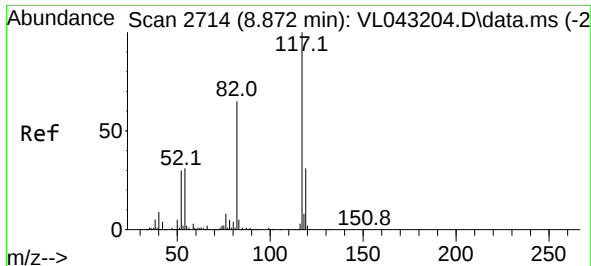
Delta R.T. -0.000 min

Lab File: VL043319.D

Acq: 08 Dec 2025 18:46

Tgt Ion: 91	Resp: 8694
Ion Ratio	Lower Upper
91 100	
92 65.8	47.4 71.0





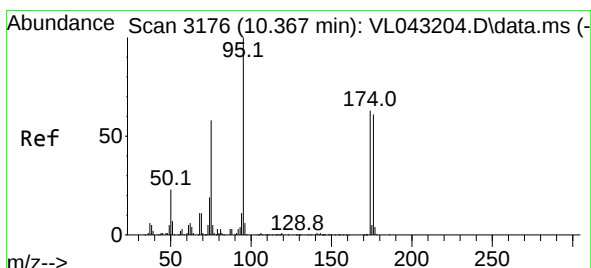
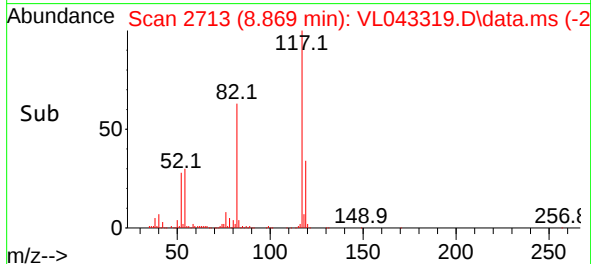
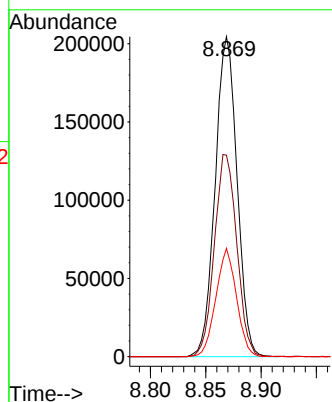
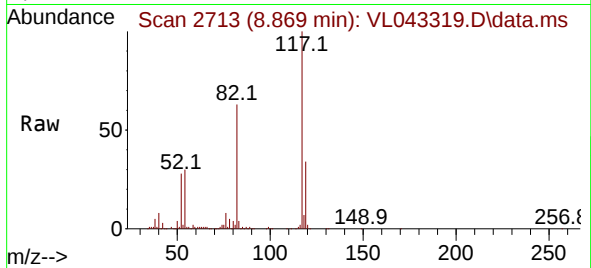
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 28129
Ion Ratio Lower Upper
117 100
82 64.7 56.1 84.1
119 32.0 25.0 37.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.915 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VL043319.D
Acq: 08 Dec 2025 18:46

Tgt Ion: 95 Resp: 204428
Ion Ratio Lower Upper
95 100
174 69.5 50.2 75.2
175 4.9 4.1 6.1

