

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042102.D
 Acq On : 05 Mar 2025 13:47
 Operator : SY/MD
 Sample : Q1483-05 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:07:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	170562	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.984	114	392915	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.907	117	334296	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	262749	10.216	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	1.483	51	40148	1.620	ppbv	97
9) Propene	1.489	41	4449	0.441	ppbv	84
10) Heptane	5.023	43	3489m	0.111	ppbv	
13) Ethanol	1.732	45	3919m	6.113	ppbv	
15) Acetone	1.848	43	60814	4.037	ppbv	97
20) Methylene Chloride	2.075	84	1719	0.302	ppbv #	83
22) trans-1,2-Dichloroethene	2.356	96	1900	0.254	ppbv #	76
26) Hexane	2.848	57	14035	0.576	ppbv #	32
29) Chloroform	2.868	83	10755	0.328	ppbv	92
31) cis-1,2-Dichloroethene	2.738	61	13882	0.602	ppbv	89
34) 2-Butanone	2.580	43	21497	0.702	ppbv	92
38) Trichloroethene	4.580	130	489072	29.118	ppbv	95
41) Tetrahydrofuran	3.091	42	2367m	0.131	ppbv	
52) Tetrachloroethene	8.305	164	8251469	585.993	ppbv	91
53) Toluene	6.962	91	9591m	0.209	ppbv	
59) m/p-Xylene	9.555	91	8441m	0.172	ppbv	
60) o-Xylene	9.985	91	4993m	0.101	ppbv	

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

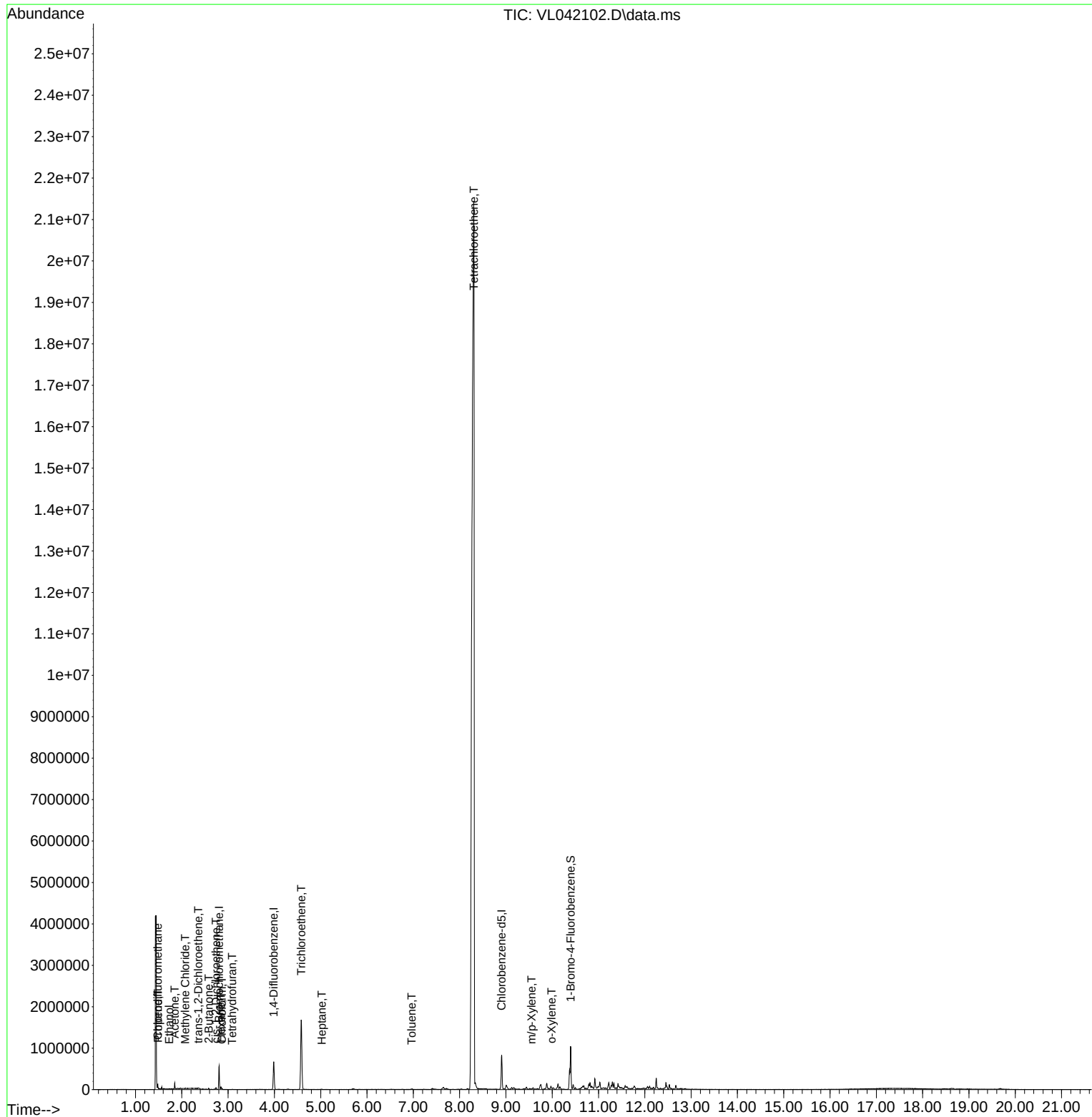
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
Data File : VL042102.D
Acq On : 05 Mar 2025 13:47
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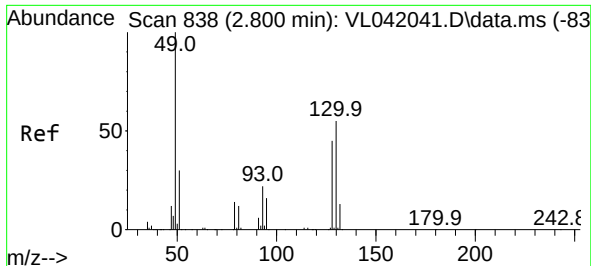
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: Mar 06 01:07:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

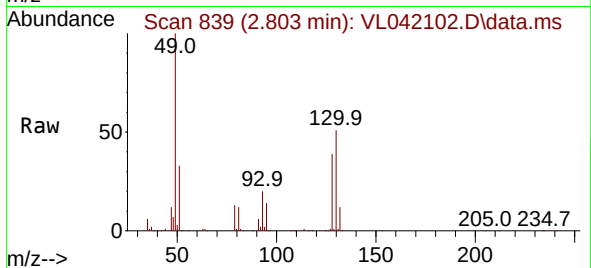
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 838
Delta R.T. 0.003 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

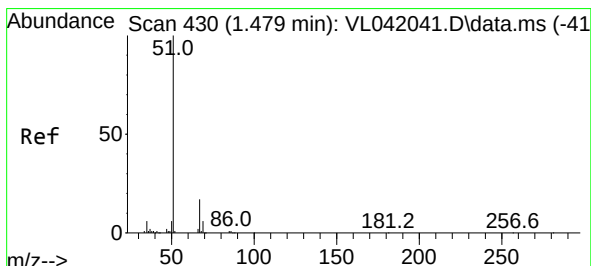
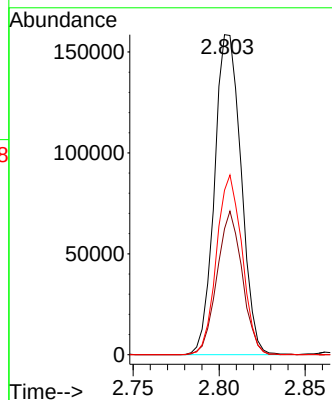
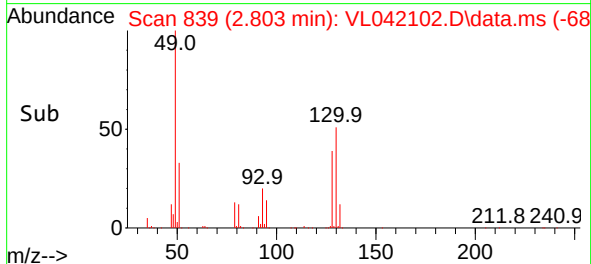
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 49 Resp: 170562
Ion Ratio Lower Upper
49 100
128 42.5 21.6 64.8
130 53.8 27.8 83.4

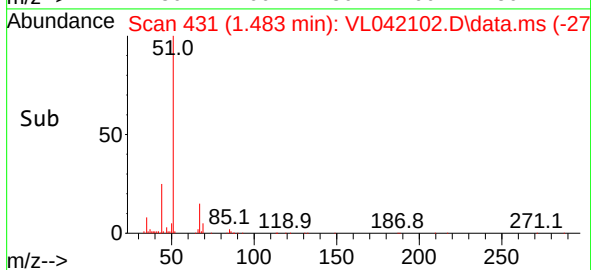
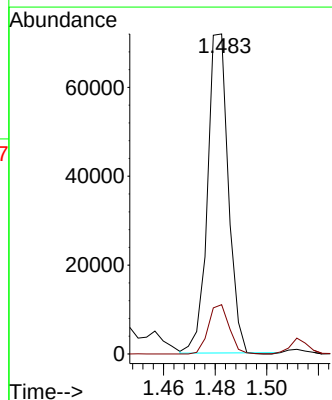
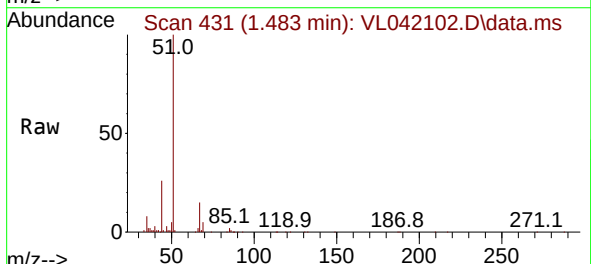
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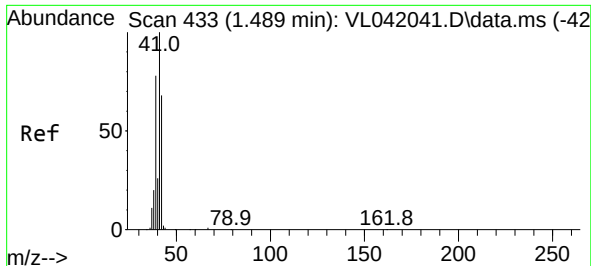
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#3
Chlorodifluoromethane
Concen: 1.620 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

Tgt Ion: 51 Resp: 40148
Ion Ratio Lower Upper
51 100
67 15.9 13.7 20.5





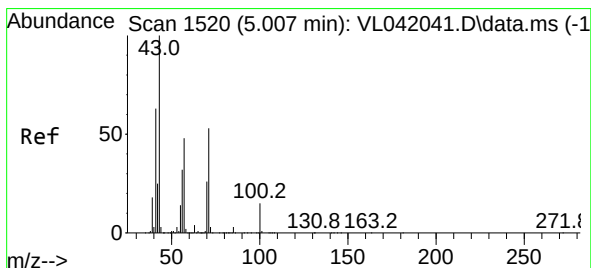
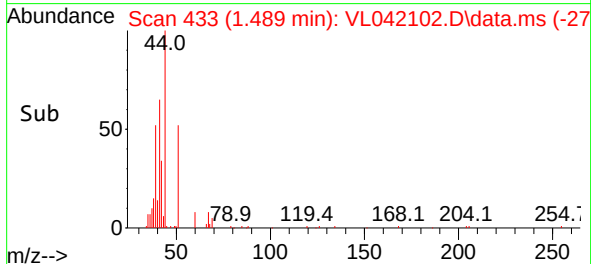
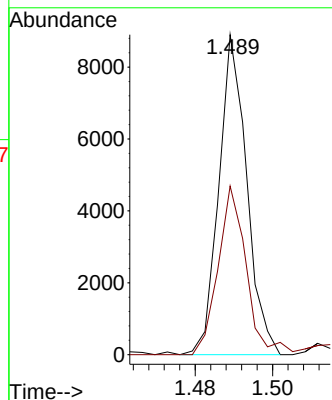
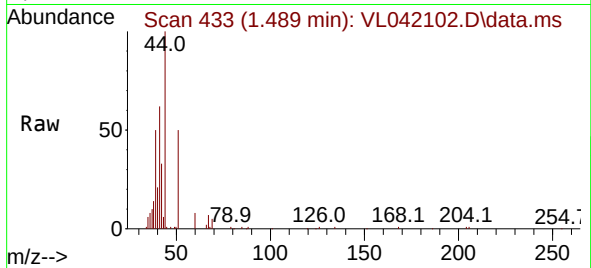
#9
 Propene
 Concen: 0.441 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042102.D
 Acq: 05 Mar 2025 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Tgt Ion: 41 Resp: 4449
 Ion Ratio Lower Upper
 41 100
 42 56.2 55.8 83.6

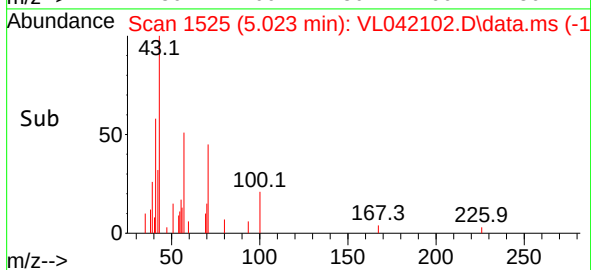
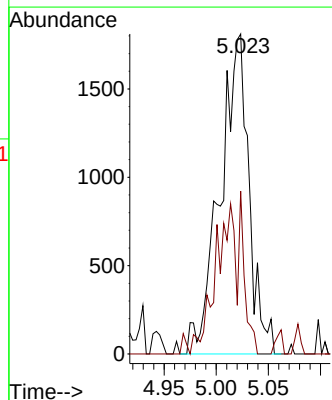
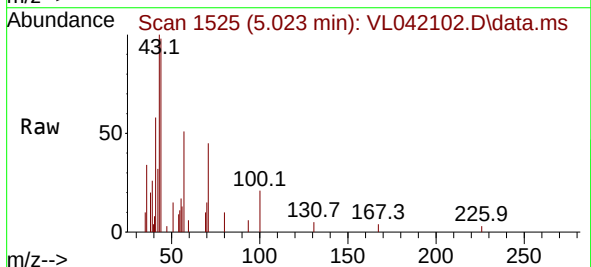
Manual Integrations
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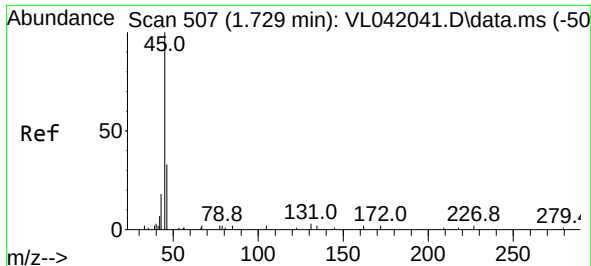
Reviewed By :Semsettin Yesilyurt 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025



#10
 Heptane
 Concen: 0.111 ppbv m
 RT: 5.023 min Scan# 1525
 Delta R.T. 0.016 min
 Lab File: VL042102.D
 Acq: 05 Mar 2025 13:47

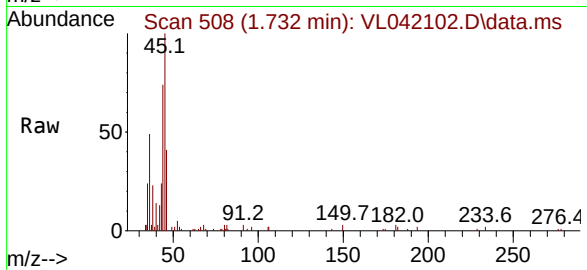
Tgt Ion: 43 Resp: 3489
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.4 59.0#





#13
Ethanol
Concen: 6.113 ppbv m
RT: 1.732 min Scan# 507
Delta R.T. 0.003 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

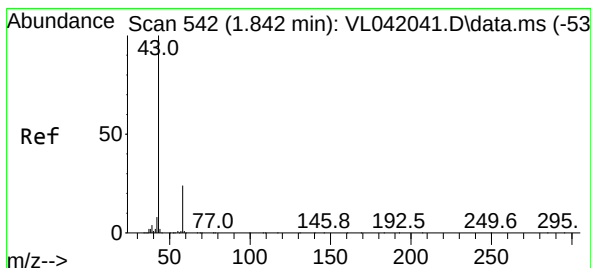
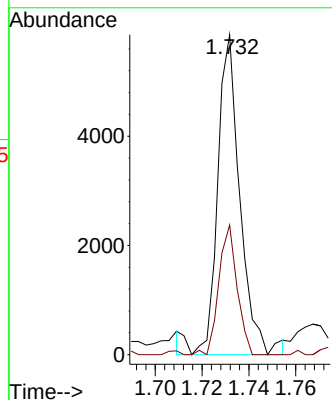
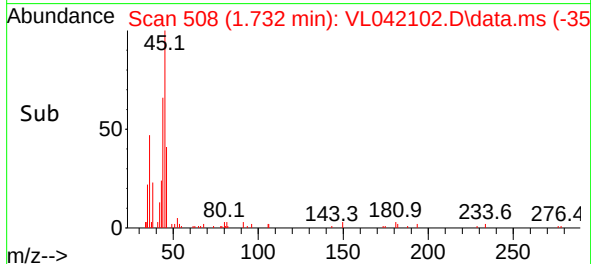
Instrument :
MSVOA_L
ClientSampleId :
SV3



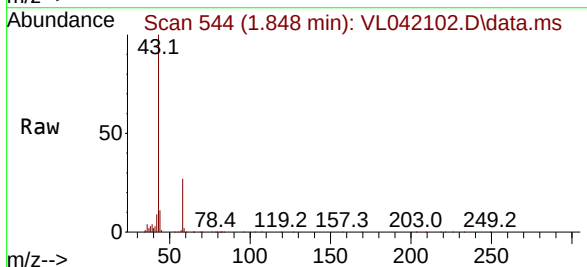
Tgt Ion: 45 Resp: 3919
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3

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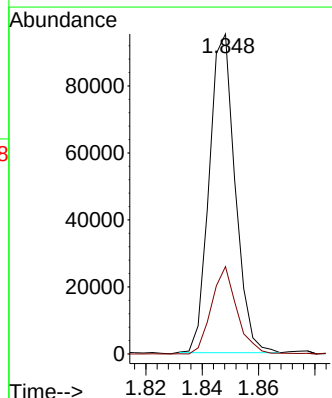
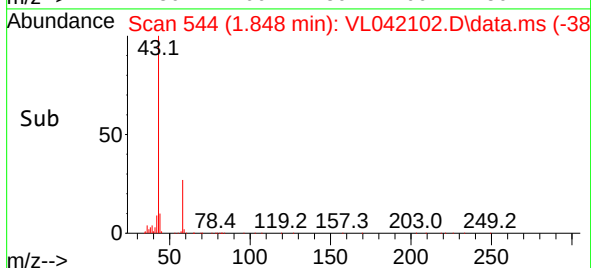
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

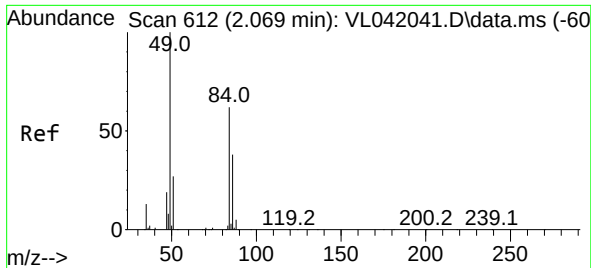


#15
Acetone
Concen: 4.037 ppbv
RT: 1.848 min Scan# 544
Delta R.T. 0.006 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47



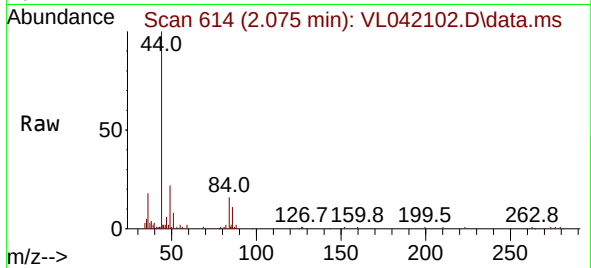
Tgt Ion: 43 Resp: 60814
Ion Ratio Lower Upper
43 100
58 27.6 20.7 31.1





#20
Methylene Chloride
Concen: 0.302 ppbv
RT: 2.075 min Scan# 612
Delta R.T. 0.006 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

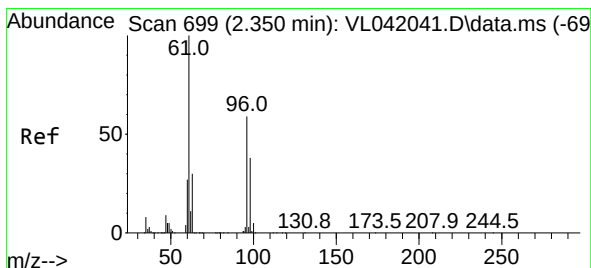
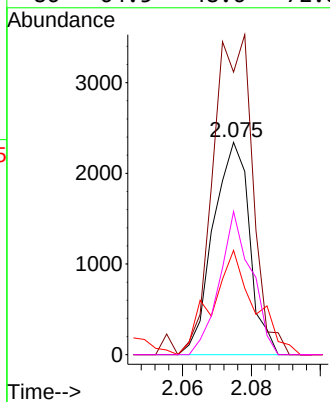
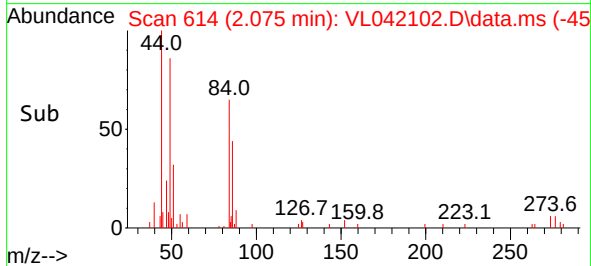
Instrument :
MSVOA_L
ClientSampleId :
SV3



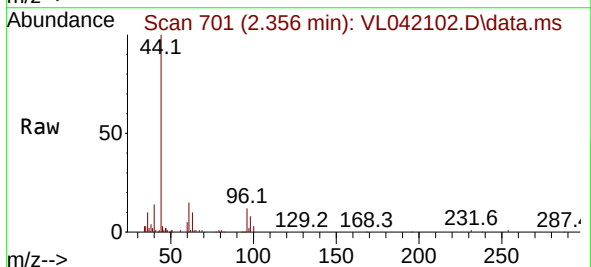
Tgt Ion: 84 Resp: 1719
Ion Ratio Lower Upper
84 100
49 127.3 130.0 195.0
51 47.0 37.4 56.0
86 64.5 48.6 72.8

Manual Integrations
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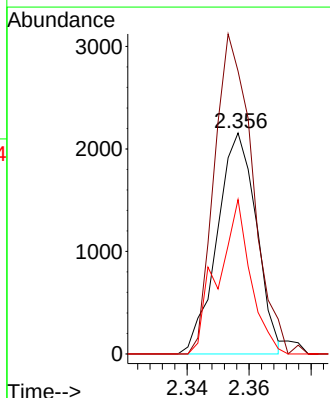
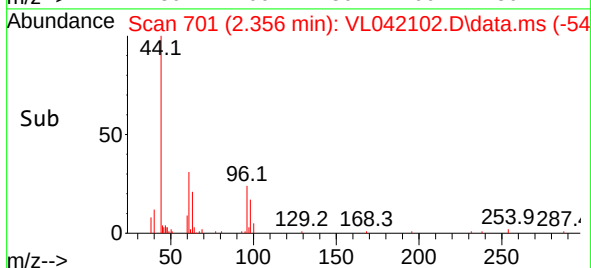
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

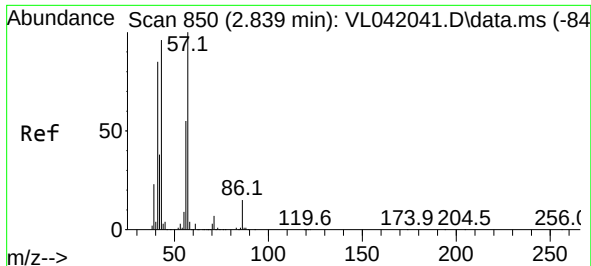


#22
trans-1,2-Dichloroethene
Concen: 0.254 ppbv
RT: 2.356 min Scan# 701
Delta R.T. 0.006 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47



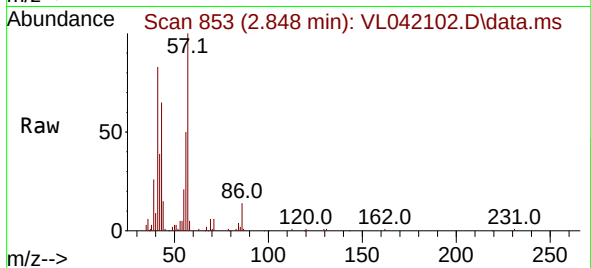
Tgt Ion: 96 Resp: 1900
Ion Ratio Lower Upper
96 100
61 128.0 136.6 205.0
98 69.9 51.8 77.6





#26
Hexane
Concen: 0.576 ppbv
RT: 2.848 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

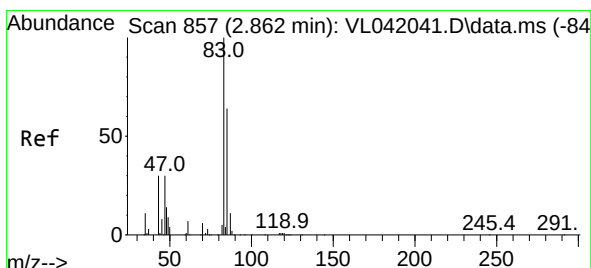
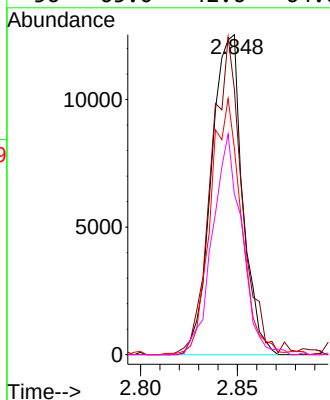
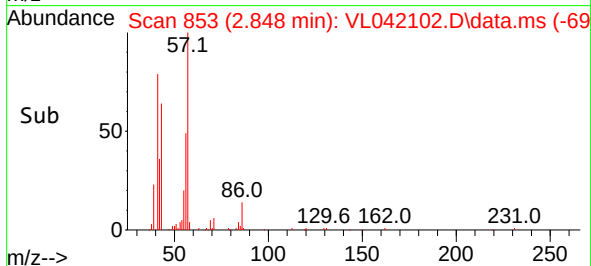
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 57 Resp: 1403
Ion Ratio Lower Upper
57 100
41 101.8 70.6 106.0
43 79.6 199.4 299.0
56 65.0 42.6 64.0#

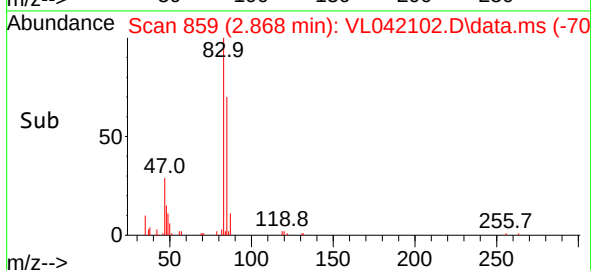
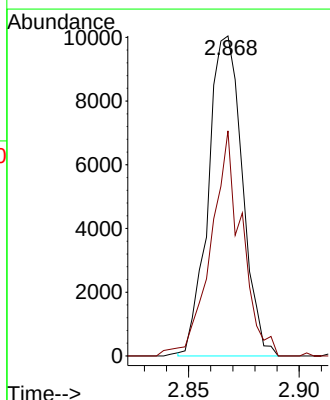
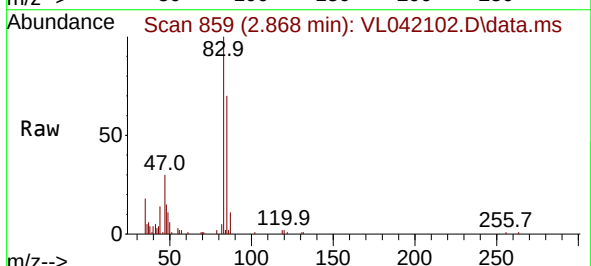
Manual Integrations
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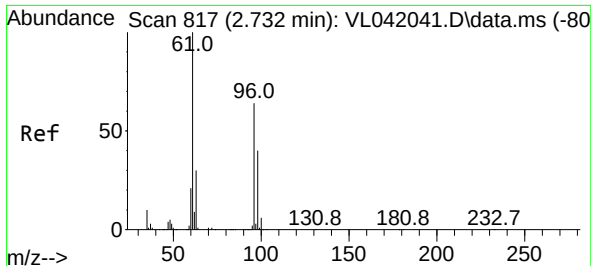
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#29
Chloroform
Concen: 0.328 ppbv
RT: 2.868 min Scan# 859
Delta R.T. 0.006 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

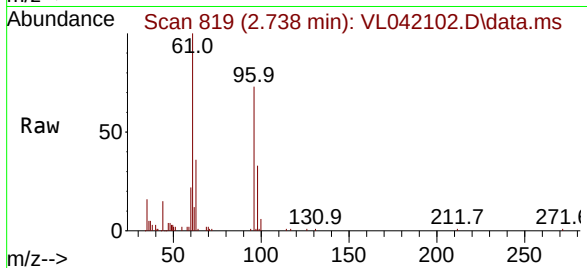
Tgt Ion: 83 Resp: 10755
Ion Ratio Lower Upper
83 100
85 70.4 51.2 76.8





#31
 cis-1,2-Dichloroethene
 Concen: 0.602 ppbv
 RT: 2.738 min Scan# 817
 Delta R.T. 0.006 min
 Lab File: VL042102.D
 Acq: 05 Mar 2025 13:47

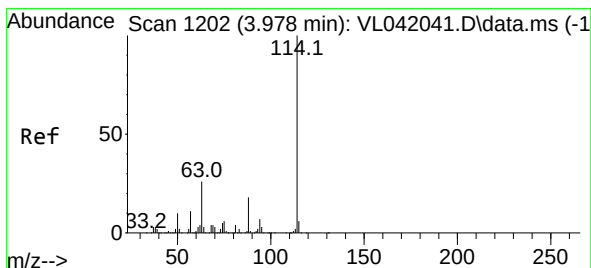
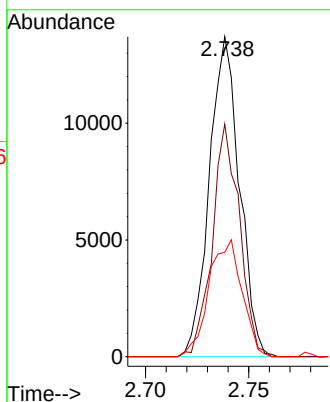
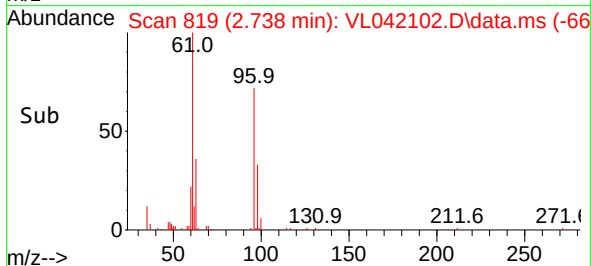
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3



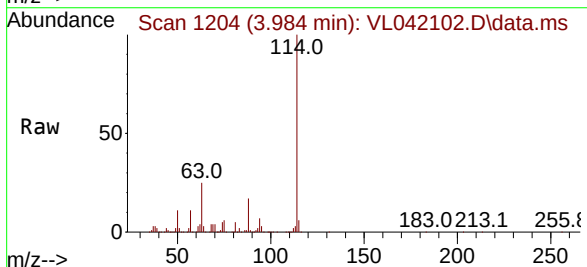
Tgt Ion: 61 Resp: 1388
 Ion Ratio Lower Upper
 61 100
 96 72.7 51.5 77.3
 98 32.6 32.0 48.0

Manual Integrations
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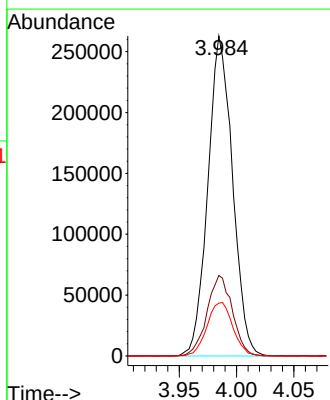
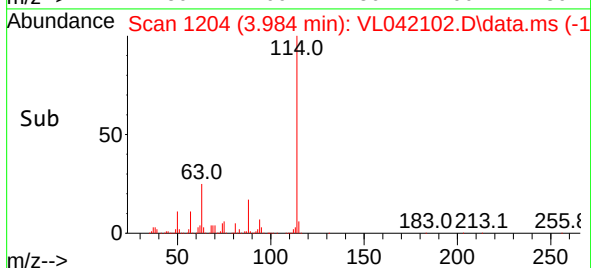
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 Supervised By :Mahesh Dadoda 03/06/2025

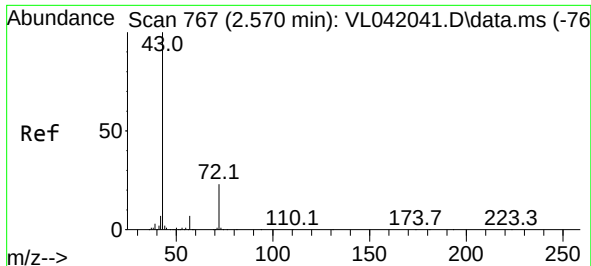


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.984 min Scan# 1204
 Delta R.T. 0.006 min
 Lab File: VL042102.D
 Acq: 05 Mar 2025 13:47



Tgt Ion:114 Resp: 392915
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.1 30.1
 88 17.6 14.3 21.5





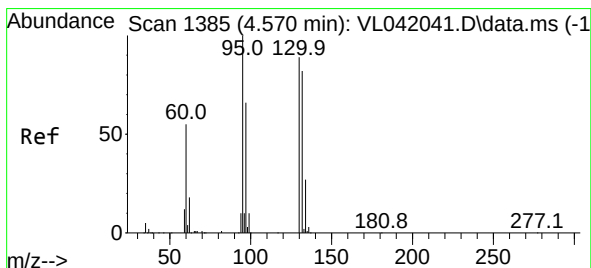
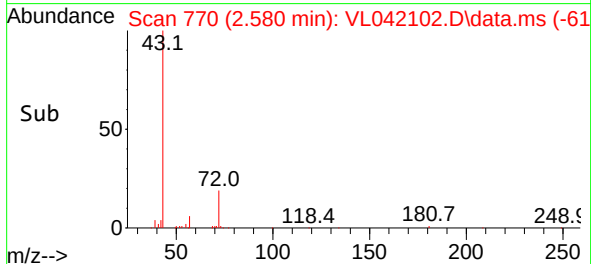
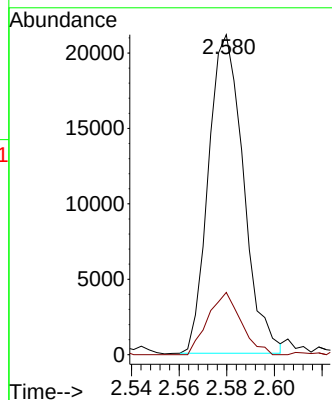
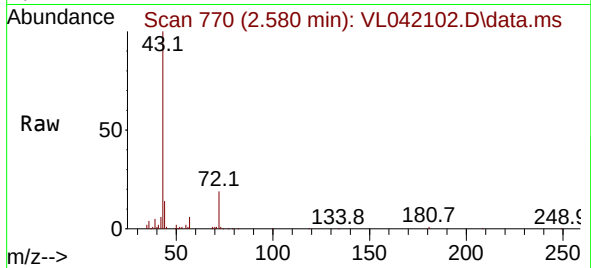
#34
2-Butanone
Concen: 0.702 ppbv
RT: 2.580 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
72 19.3 18.5 27.7

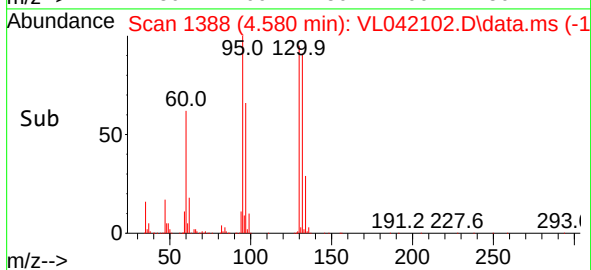
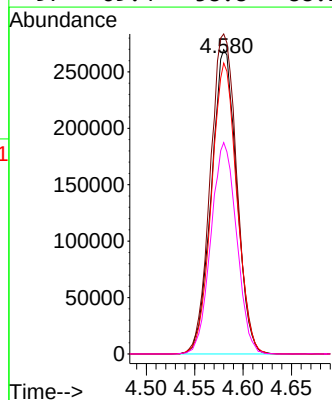
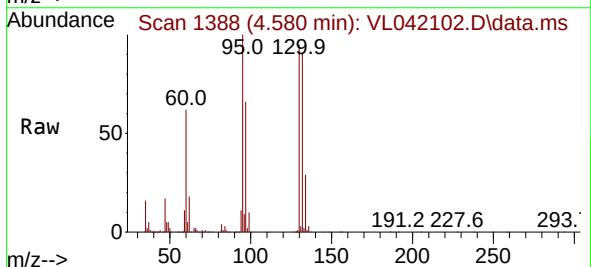
Manual Integrations
APPROVED

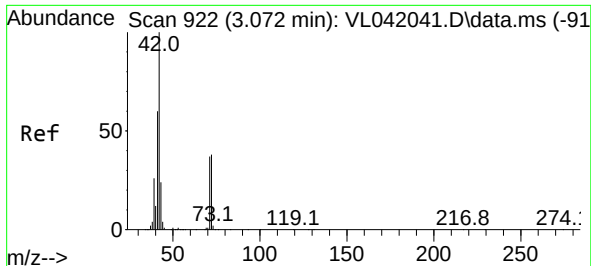
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#38
Trichloroethene
Concen: 29.118 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.010 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

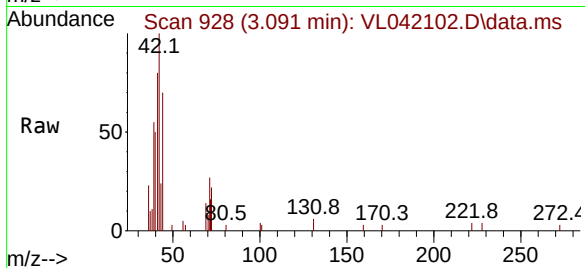
Tgt Ion:130 Resp: 489072
Ion Ratio Lower Upper
130 100
95 105.0 89.5 134.3
132 95.5 73.8 110.6
97 69.4 58.8 88.2





#41
Tetrahydrofuran
Concen: 0.131 ppbv m
RT: 3.091 min Scan# 91
Delta R.T. 0.019 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

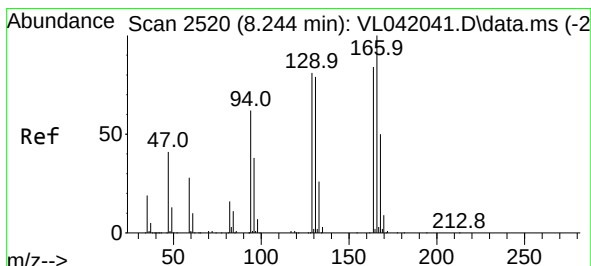
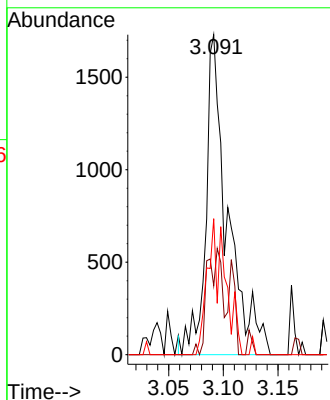
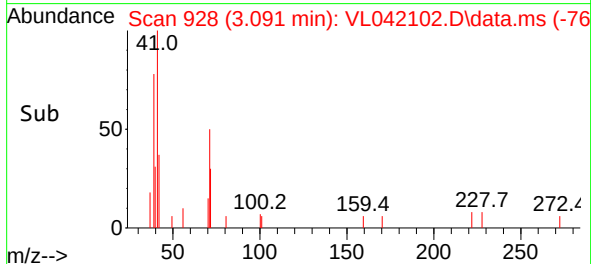
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 42 Resp: 236
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2
71 0.0 28.2 42.4

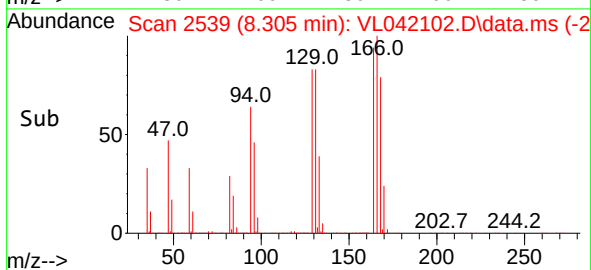
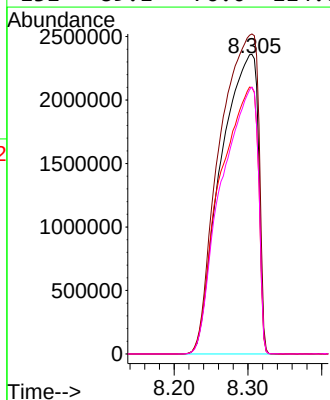
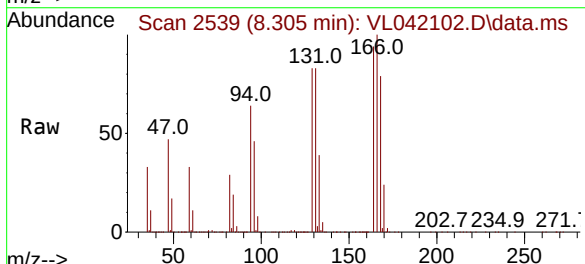
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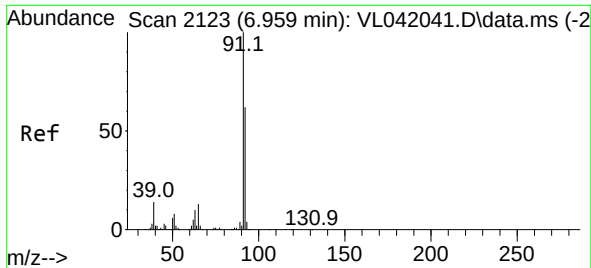
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#52
Tetrachloroethene
Concen: 585.993 ppbv
RT: 8.305 min Scan# 2539
Delta R.T. 0.061 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

Tgt Ion:164 Resp: 8251469
Ion Ratio Lower Upper
164 100
166 106.8 95.7 143.5
129 88.9 77.1 115.7
131 89.1 76.0 114.0





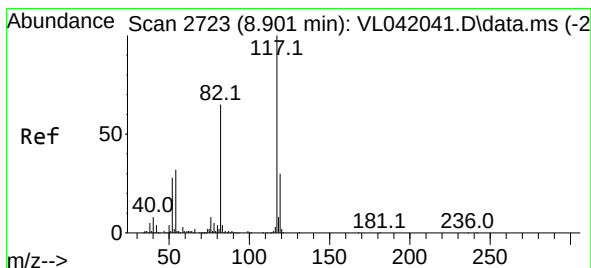
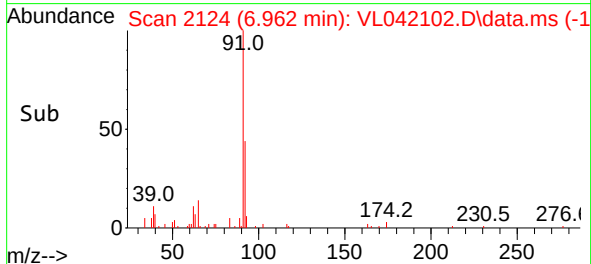
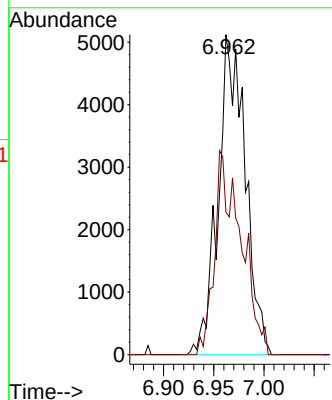
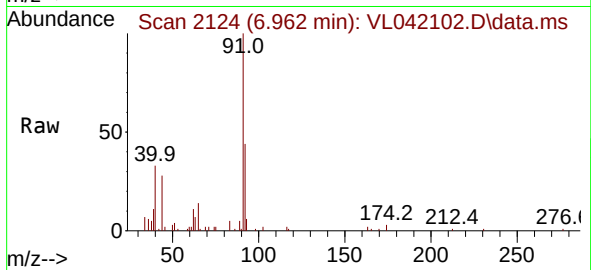
#53
Toluene
Concen: 0.209 ppbv m
RT: 6.962 min Scan# 2123
Delta R.T. 0.003 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 91 Resp: 959
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6

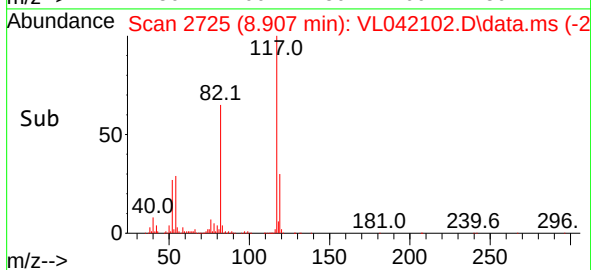
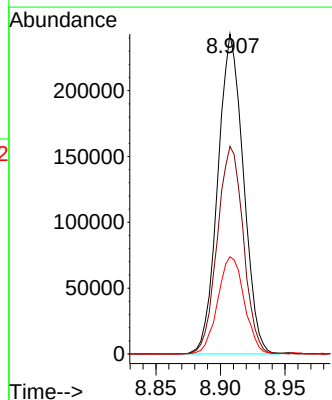
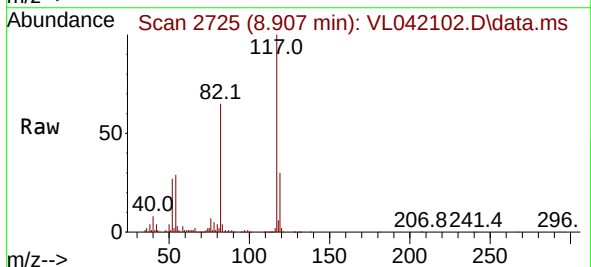
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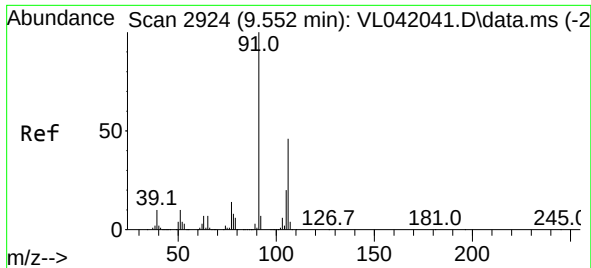
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. 0.006 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

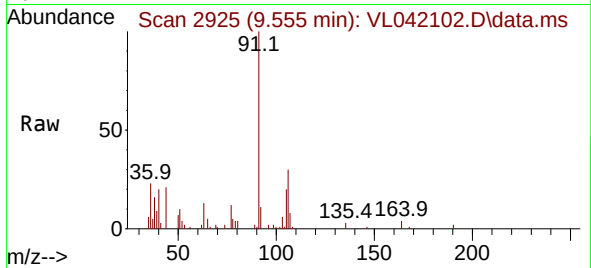
Tgt Ion:117 Resp: 334296
Ion Ratio Lower Upper
117 100
82 66.2 55.0 82.6
119 31.7 25.9 38.9





#59
m/p-Xylene
Concen: 0.172 ppbv m
RT: 9.555 min Scan# 2924
Delta R.T. 0.003 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47

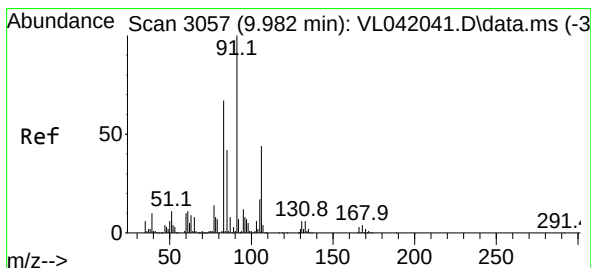
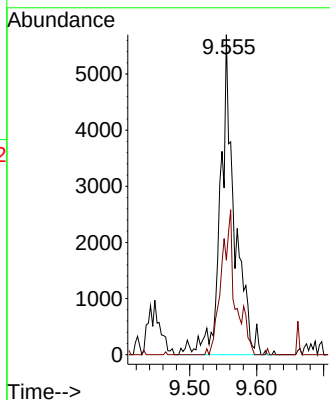
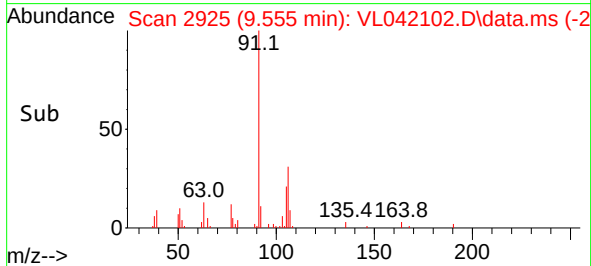
Instrument :
MSVOA_L
ClientSampleId :
SV3



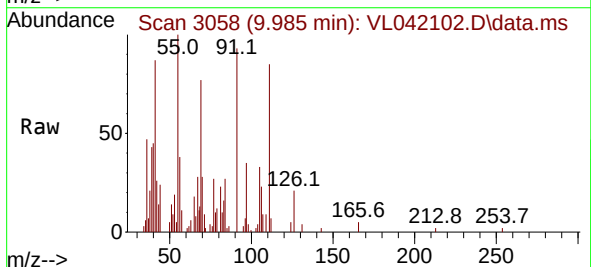
Tgt Ion: 91 Resp: 844
Ion Ratio Lower Upper
91 100
106 44.4 0.0 0.0

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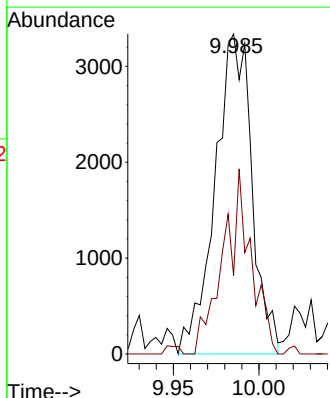
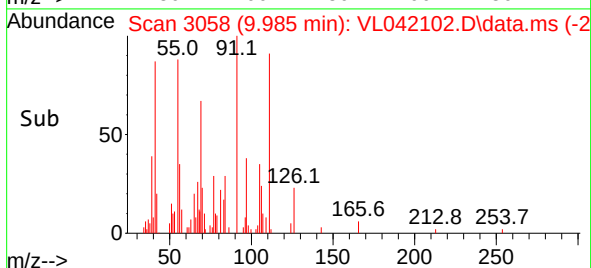
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

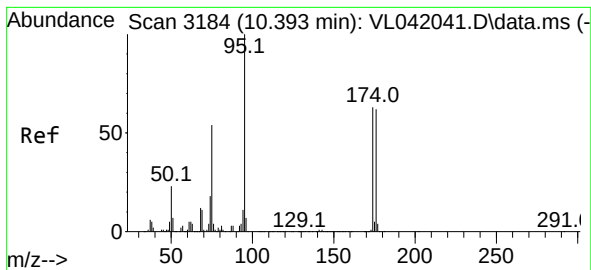


#60
o-Xylene
Concen: 0.101 ppbv m
RT: 9.985 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VL042102.D
Acq: 05 Mar 2025 13:47



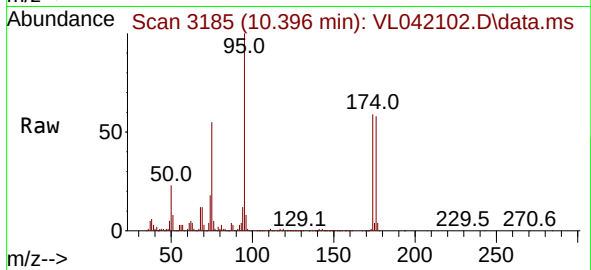
Tgt Ion: 91 Resp: 4993
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.216 ppbv
 RT: 10.396 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL042102.D
 Acq: 05 Mar 2025 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3



Tgt Ion: 95 Resp: 262749
 Ion Ratio Lower Upper
 95 100
 174 63.6 51.8 77.6
 175 4.6 3.9 5.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025

