

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042130.D
 Acq On : 10 Mar 2025 17:52
 Operator : SY/MD
 Sample : Q1506-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:28:19 2025

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

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

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	2.800	49	170506	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	389368	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	362933	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 312050 11.176 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 111.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	3106	0.175	ppbv #	85
9) Propene	1.486	41	11439	1.133	ppbv	100
10) Heptane	5.011	43	4327m	0.138	ppbv	
13) Ethanol	1.729	45	6546	10.214	ppbv #	33
15) Acetone	1.846	43	19762	1.312	ppbv #	80
19) Isopropyl Alcohol	1.894	45	5237	0.605	ppbv #	1
20) Methylene Chloride	2.069	84	2392	0.420	ppbv #	80
26) Hexane	2.839	57	19732	0.810	ppbv #	32
34) 2-Butanone	2.574	43	18077	0.596	ppbv	96
36) Benzene	3.677	78	4261m	0.105	ppbv	
51) 2-Hexanone	7.471	43	6741	0.250	ppbv #	94
52) Tetrachloroethene	8.244	164	877m	0.063	ppbv	
53) Toluene	6.963	91	20904	0.459	ppbv	97
58) Ethyl Benzene	9.374	91	8439m	0.126	ppbv	
59) m/p-Xylene	9.545	91	17181m	0.323	ppbv	
60) o-Xylene	9.979	91	12149	0.227	ppbv	89

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

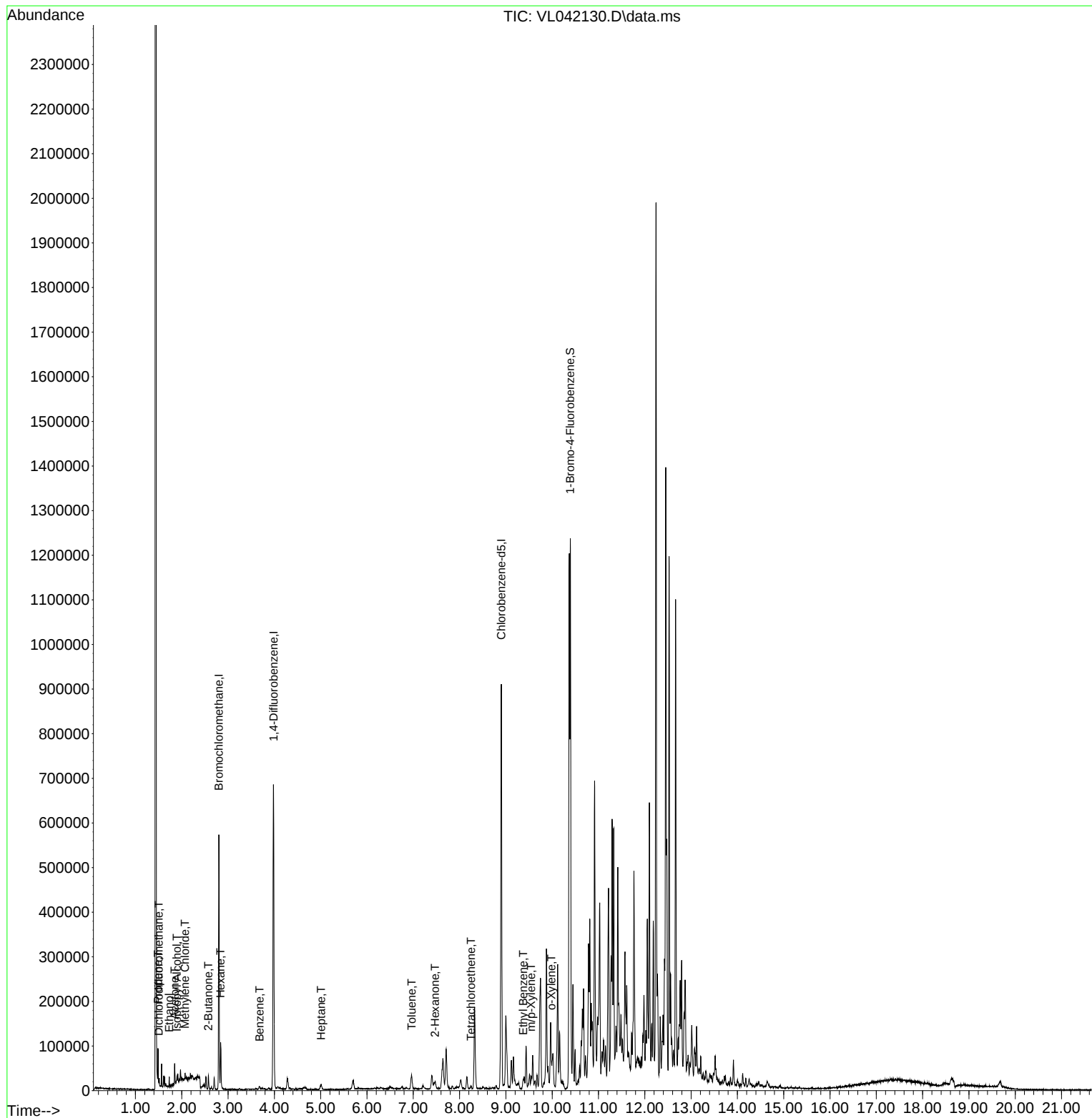
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042130.D
Acq On : 10 Mar 2025 17:52
Operator : SY/MD
Sample : Q1506-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

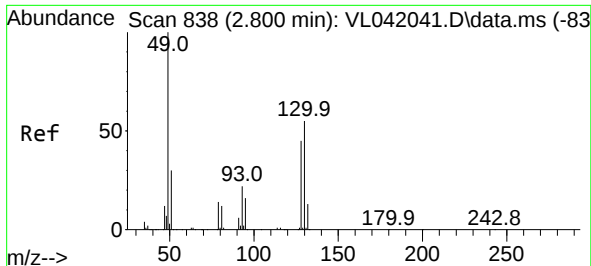
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Mar 11 01:28:19 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

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Supervised By :Mahesh Dadoda 03/11/2025





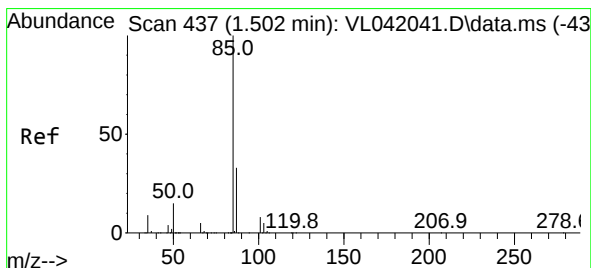
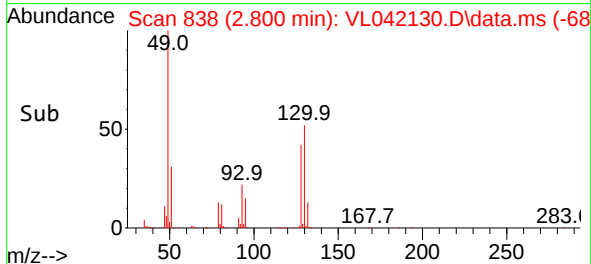
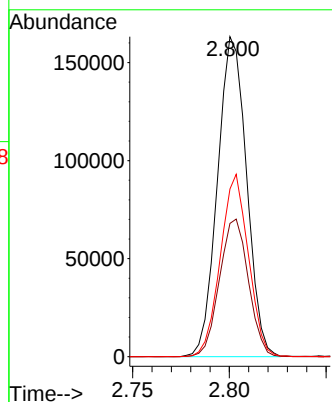
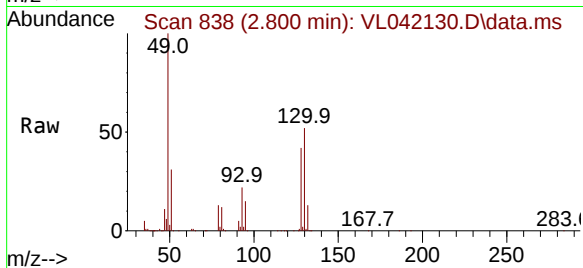
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 170500
Ion Ratio Lower Upper
49 100
128 42.8 21.6 64.8
130 55.0 27.8 83.4

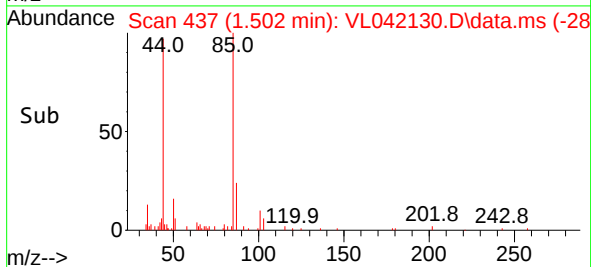
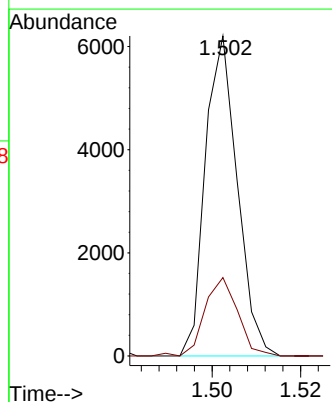
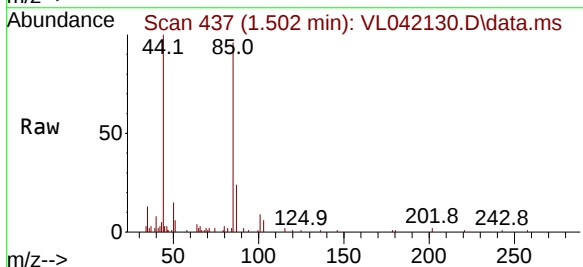
Manual Integrations
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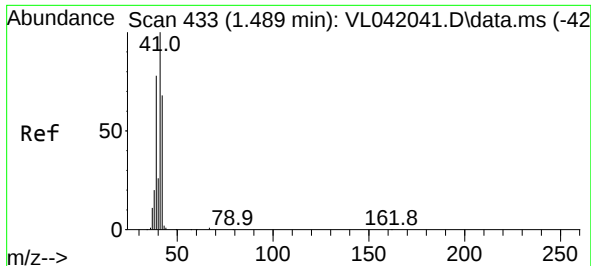
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#2
Dichlorodifluoromethane
Concen: 0.175 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

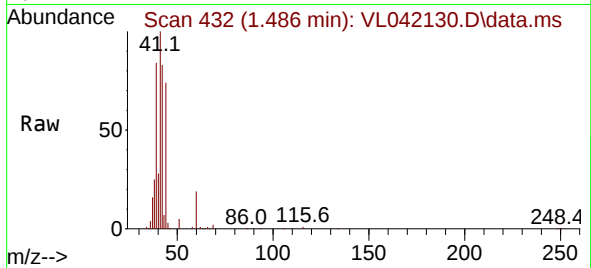
Tgt Ion: 85 Resp: 3106
Ion Ratio Lower Upper
85 100
87 24.5 26.4 39.6#





#9
Propene
Concen: 1.133 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

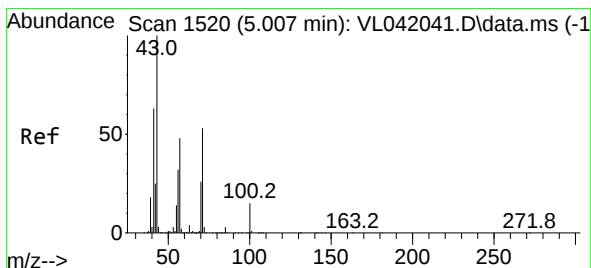
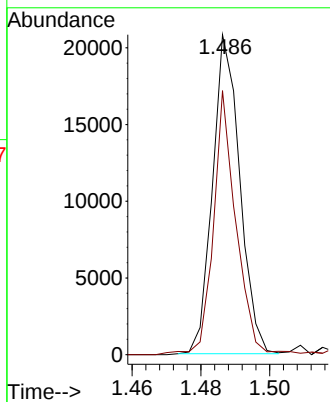
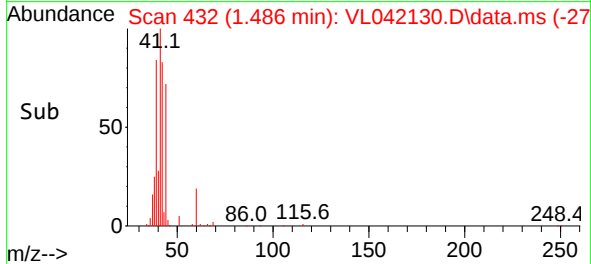
Instrument :
MSVOA_L
ClientSampleId :
SV1



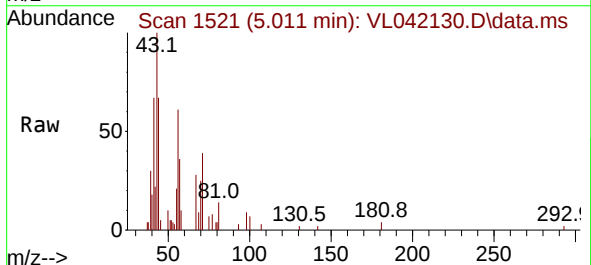
Tgt Ion: 41 Resp: 11439
Ion Ratio Lower Upper
41 100
42 70.0 55.8 83.6

Manual Integrations
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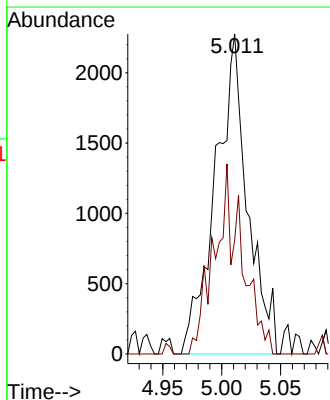
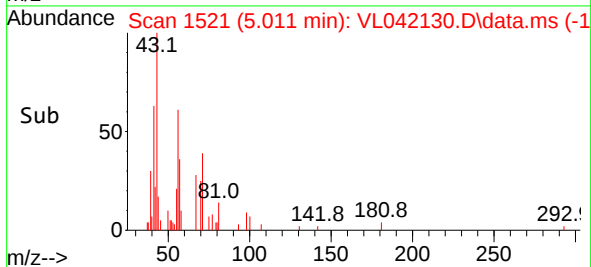
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

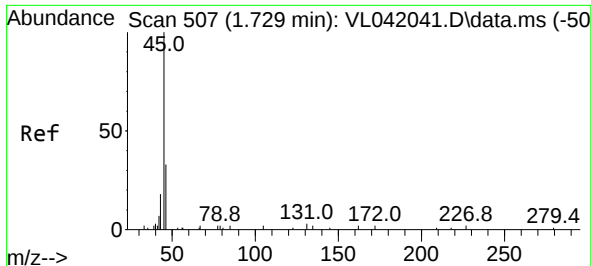


#10
Heptane
Concen: 0.138 ppbv m
RT: 5.011 min Scan# 1521
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52



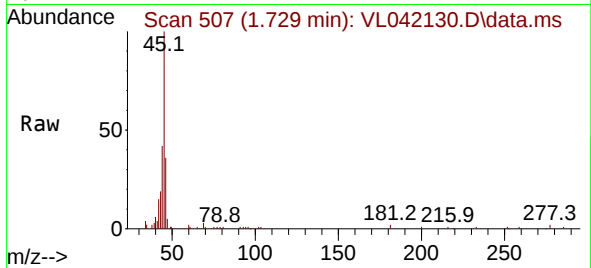
Tgt Ion: 43 Resp: 4327
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.0#





#13
Ethanol
Concen: 10.214 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

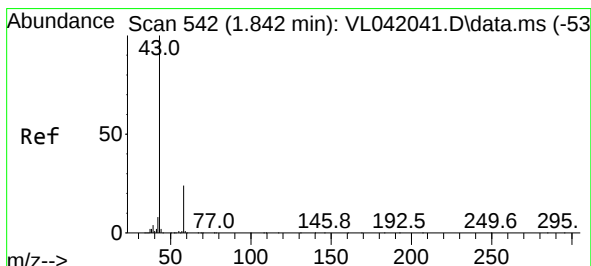
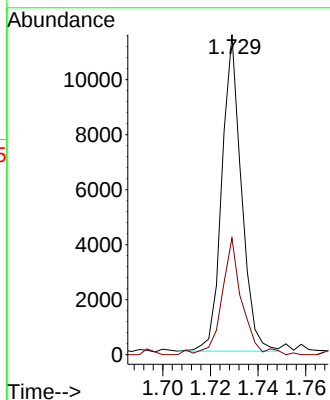
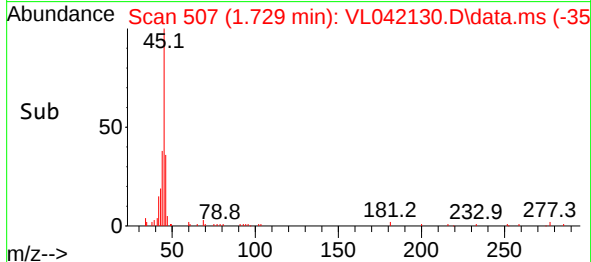
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 6540
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3

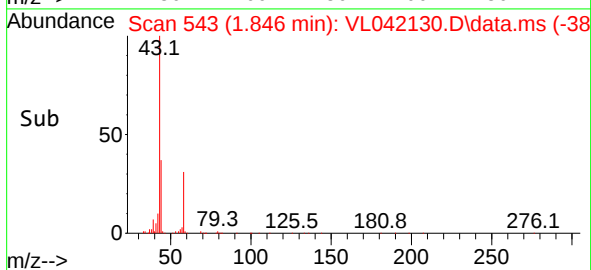
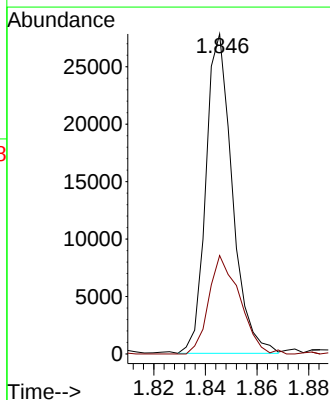
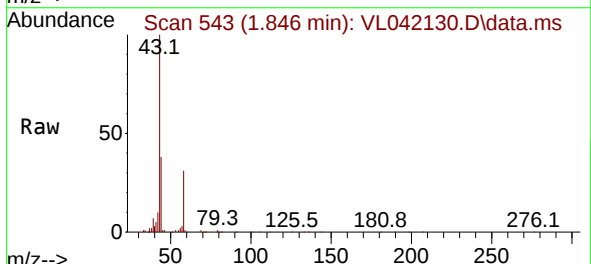
Manual Integrations
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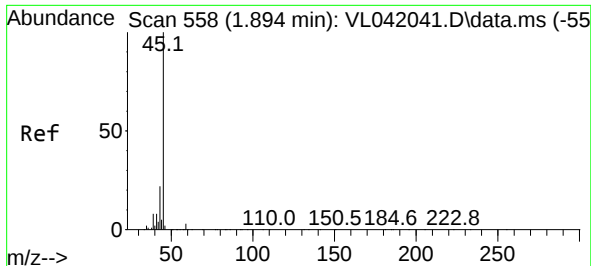
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#15
Acetone
Concen: 1.312 ppbv
RT: 1.846 min Scan# 543
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

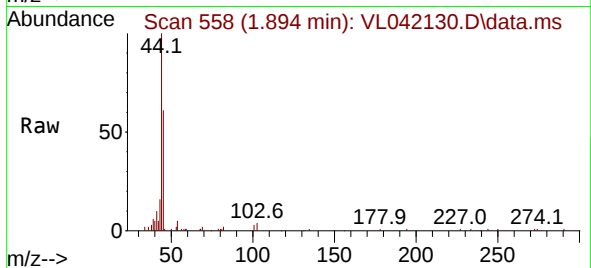
Tgt Ion: 43 Resp: 19762
Ion Ratio Lower Upper
43 100
58 36.0 20.7 31.1





#19
Isopropyl Alcohol
Concen: 0.605 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

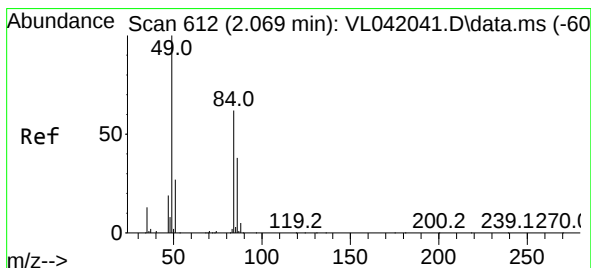
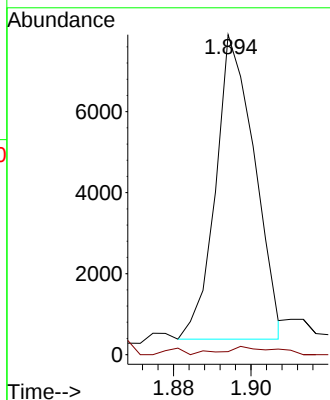
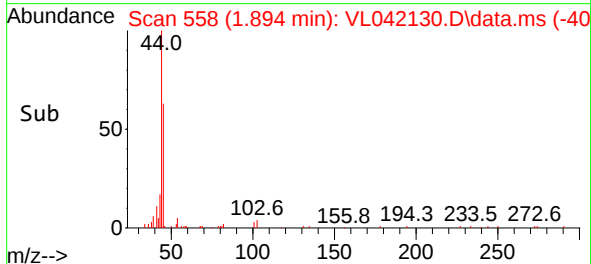
Instrument :
MSVOA_L
ClientSampleId :
SV1



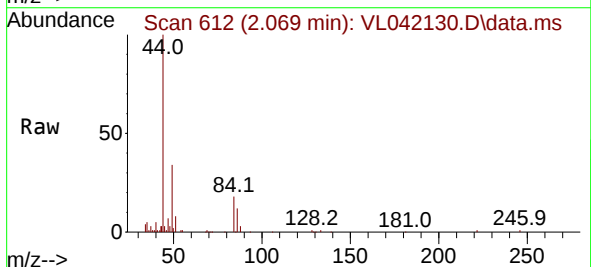
Tgt Ion: 45 Resp: 523
Ion Ratio Lower Upper
45 100
58 139.0 35.3 52.9

Manual Integrations
APPROVED

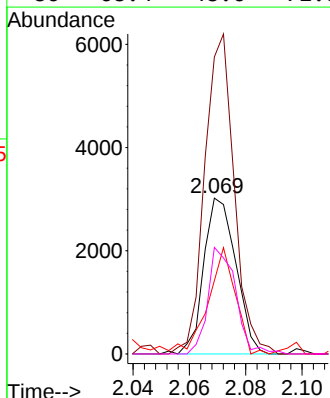
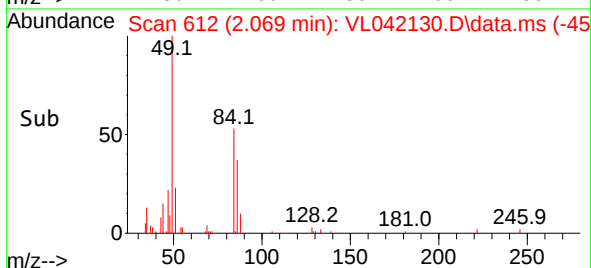
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

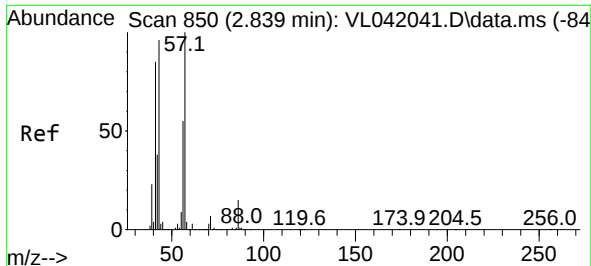


#20
Methylene Chloride
Concen: 0.420 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52



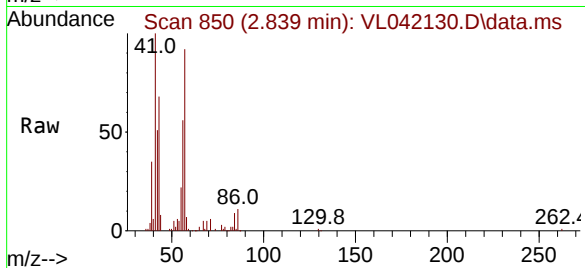
Tgt Ion: 84 Resp: 2392
Ion Ratio Lower Upper
84 100
49 200.9 130.0 195.0#
51 44.9 37.4 56.0
86 68.4 48.6 72.8





#26
Hexane
Concen: 0.810 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

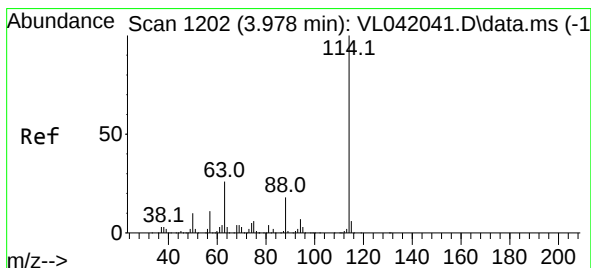
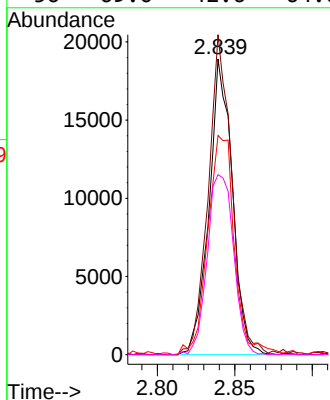
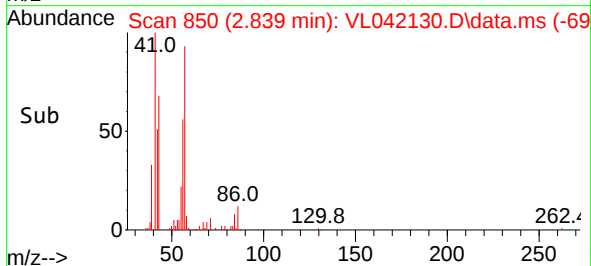
Instrument :
MSVOA_L
ClientSampleId :
SV1



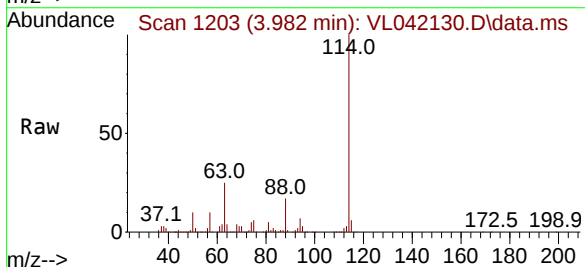
Tgt Ion: 57 Resp: 1973
Ion Ratio Lower Upper
57 100
41 110.4 70.6 106.0
43 86.7 199.4 299.0
56 69.0 42.6 64.0

Manual Integrations
APPROVED

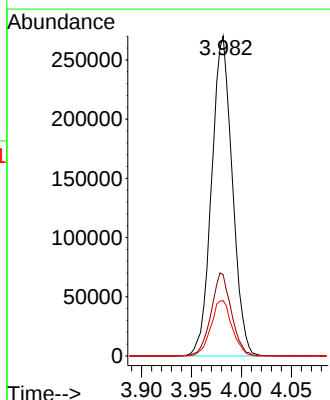
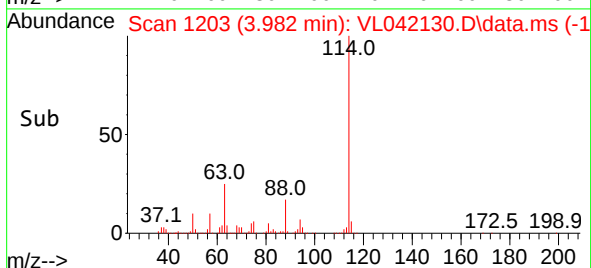
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

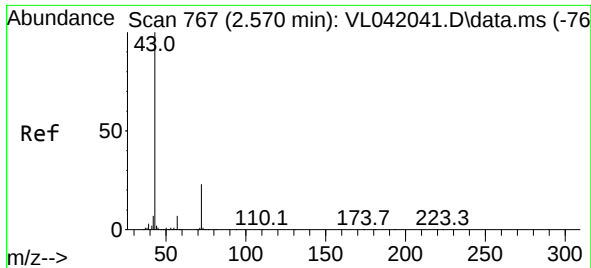


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.982 min Scan# 1203
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52



Tgt Ion:114 Resp: 389368
Ion Ratio Lower Upper
114 100
63 25.5 20.1 30.1
88 17.7 14.3 21.5





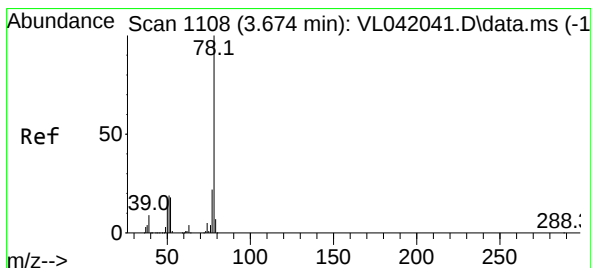
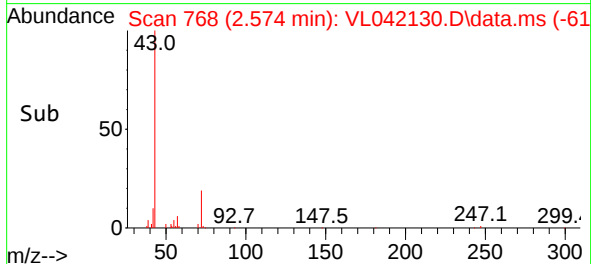
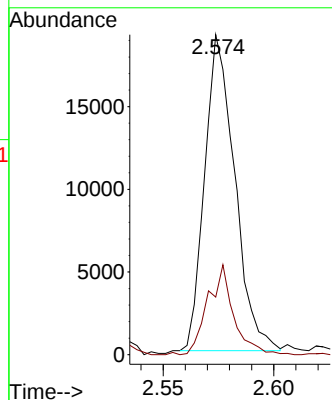
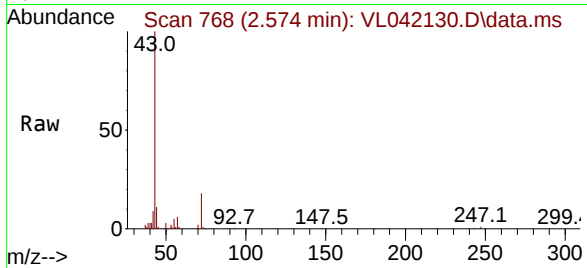
#34
2-Butanone
Concen: 0.596 ppbv
RT: 2.574 min Scan# 767
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 1807
Ion Ratio Lower Upper
43 100
72 24.9 18.5 27.7

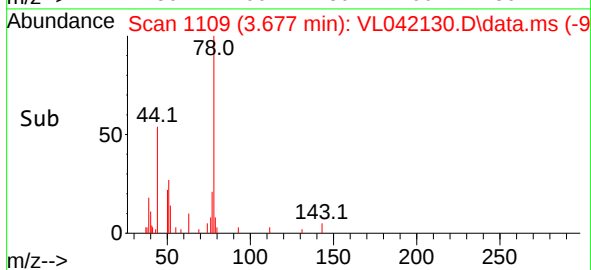
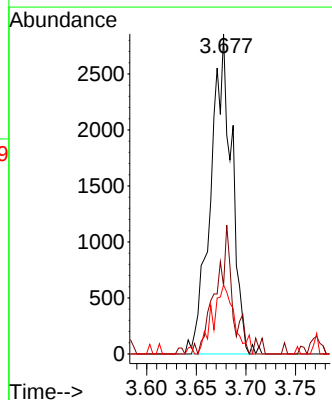
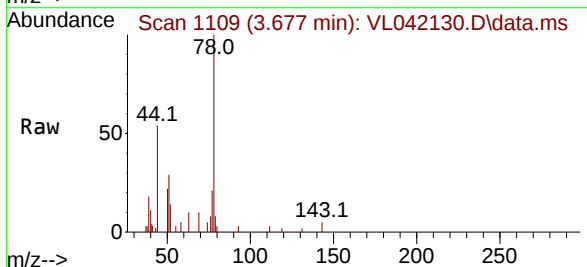
Manual Integrations
APPROVED

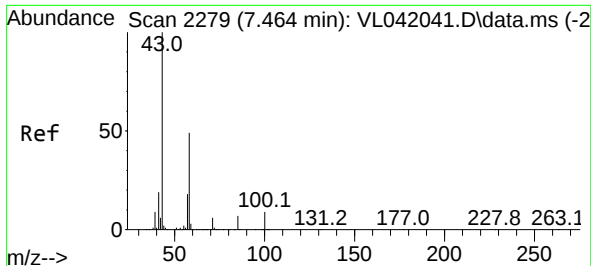
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#36
Benzene
Concen: 0.105 ppbv m
RT: 3.677 min Scan# 1109
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

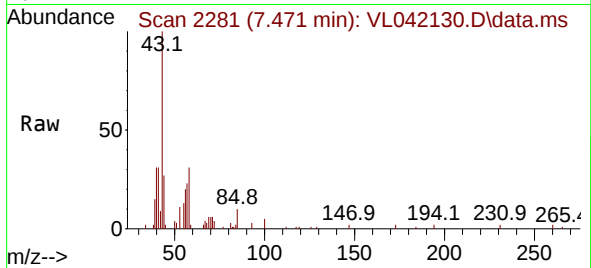
Tgt Ion: 78 Resp: 4261
Ion Ratio Lower Upper
78 100
77 21.3 17.7 26.5
50 21.5 13.9 20.9#





#51
2-Hexanone
Concen: 0.250 ppbv
RT: 7.471 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

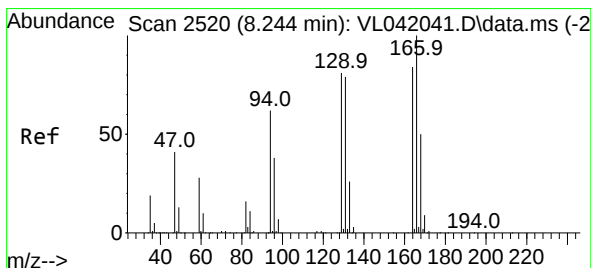
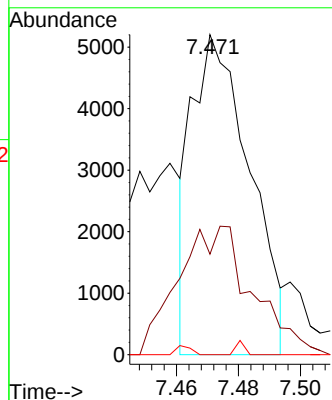
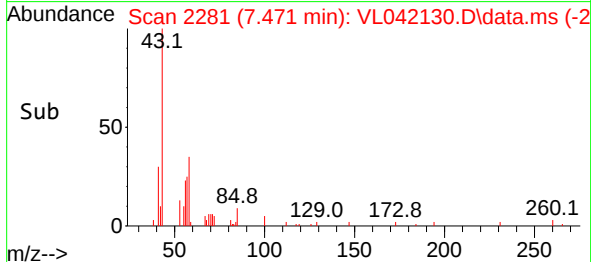
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
58 52.8 39.0 58.6
98 1.4 0.1 0.1

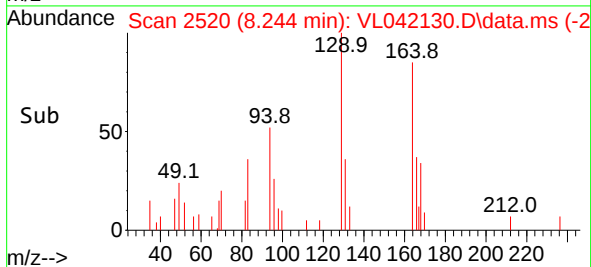
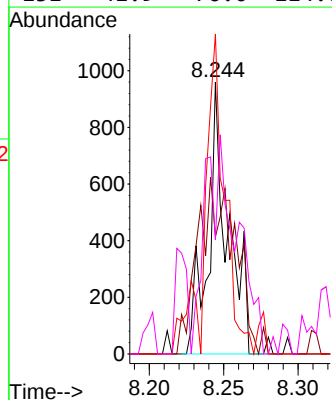
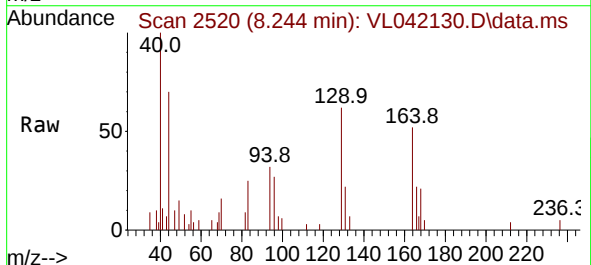
Manual Integrations
APPROVED

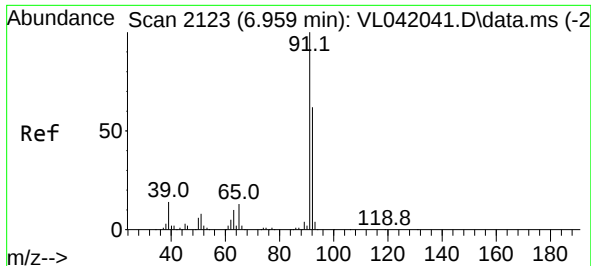
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#52
Tetrachloroethene
Concen: 0.063 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Tgt Ion:164 Resp: 877
Ion Ratio Lower Upper
164 100
166 43.0 95.7 143.5#
129 117.7 77.1 115.7#
131 41.9 76.0 114.0#





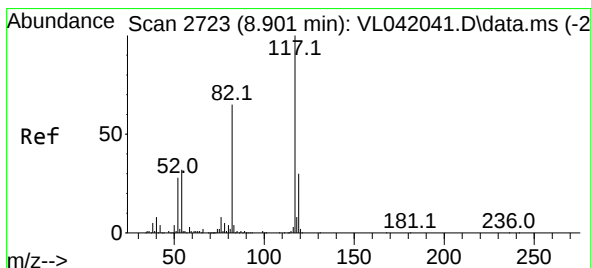
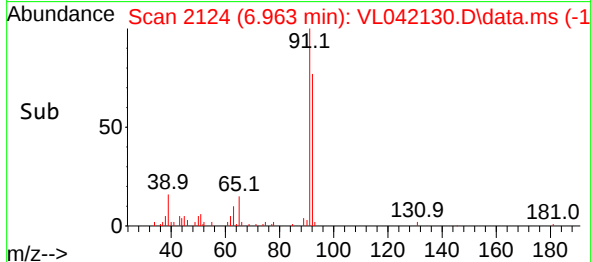
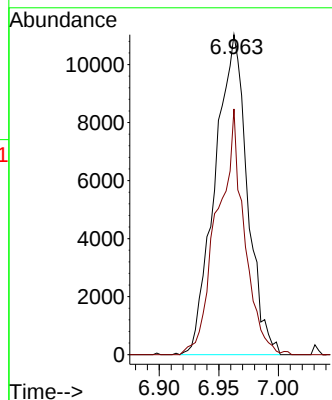
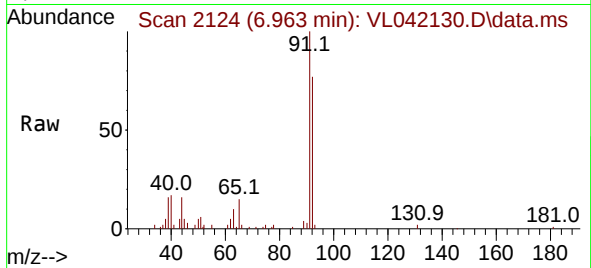
#53
Toluene
Concen: 0.459 ppbv
RT: 6.963 min Scan# 2123
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 20904
Ion Ratio Lower Upper
91 100
92 63.8 49.0 73.6

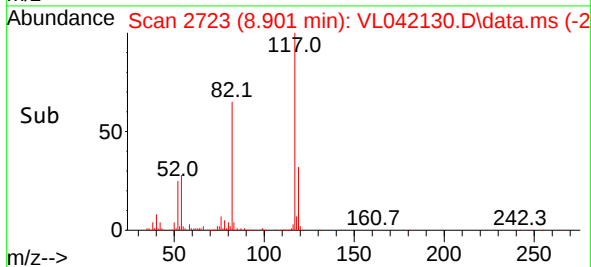
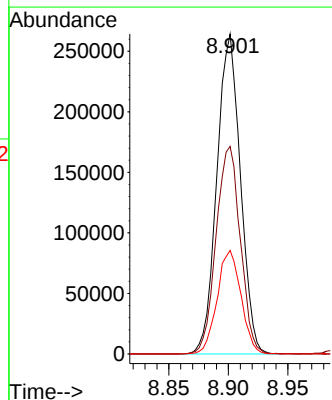
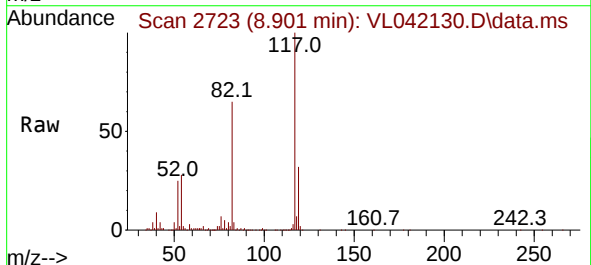
Manual Integrations
APPROVED

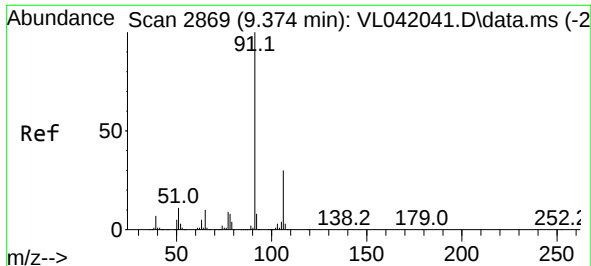
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

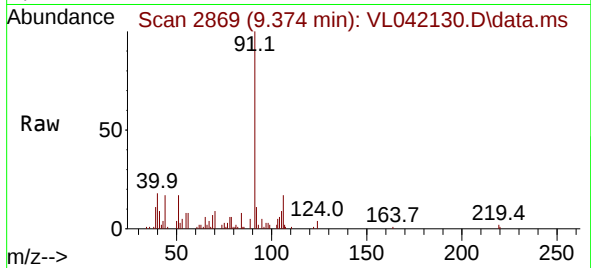
Tgt Ion:117 Resp: 362933
Ion Ratio Lower Upper
117 100
82 66.7 55.0 82.6
119 32.8 25.9 38.9





#58
Ethyl Benzene
Concen: 0.126 ppbv m
RT: 9.374 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

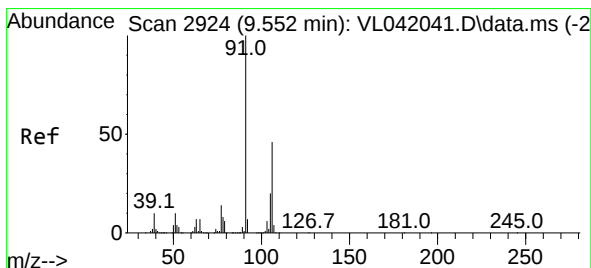
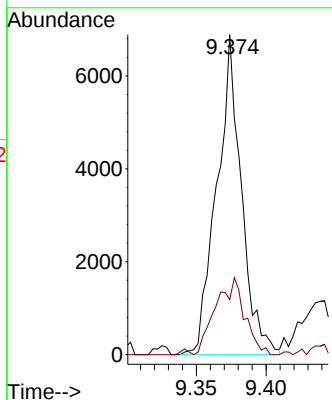
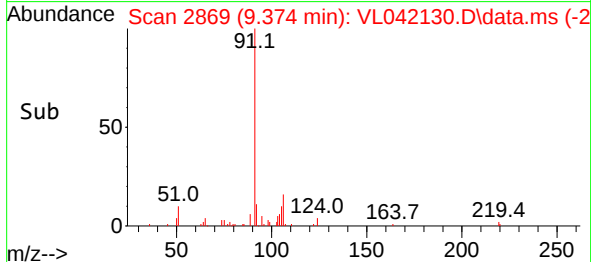
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 8439
Ion Ratio Lower Upper
91 100
106 17.2 24.2 36.2

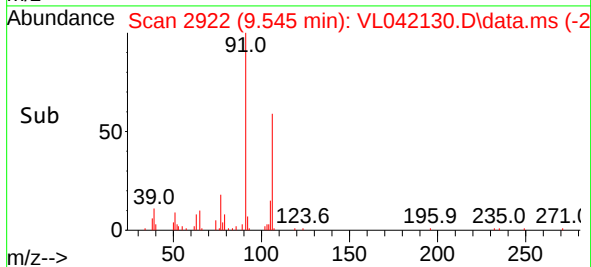
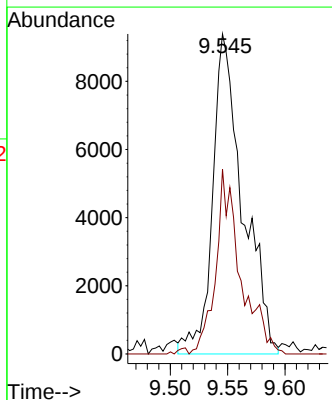
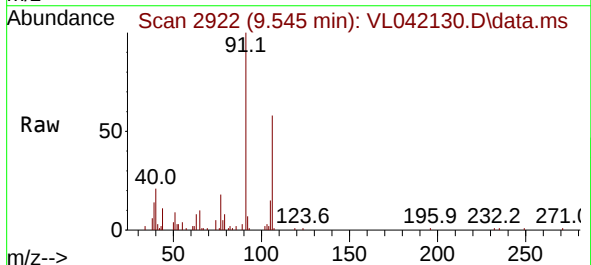
Manual Integrations
APPROVED

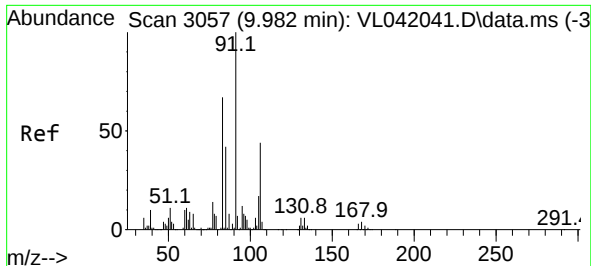
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#59
m/p-Xylene
Concen: 0.323 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.006 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

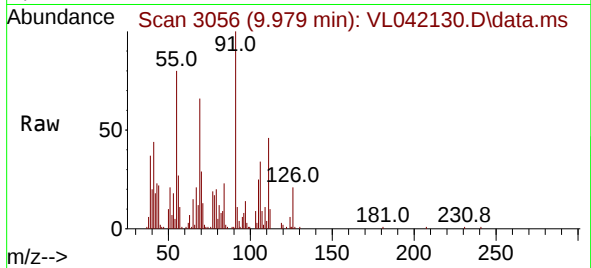
Tgt Ion: 91 Resp: 17181
Ion Ratio Lower Upper
91 100
106 47.6 0.0 0.0





#60
o-Xylene
Concen: 0.227 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

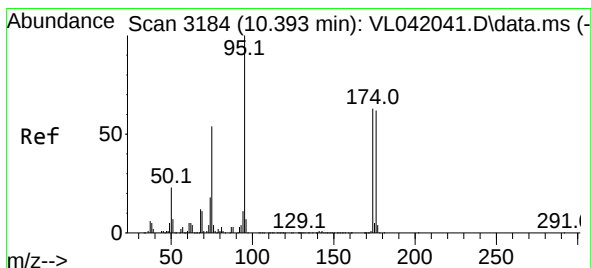
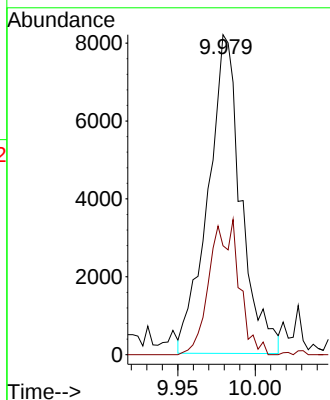
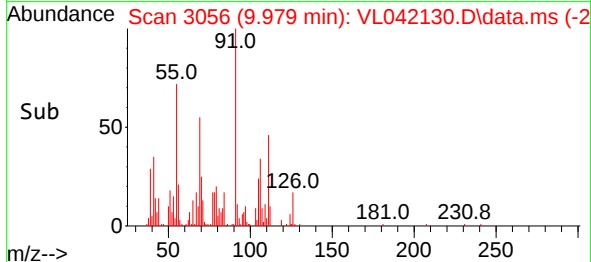
Instrument :
MSVOA_L
ClientSampleId :
SV1



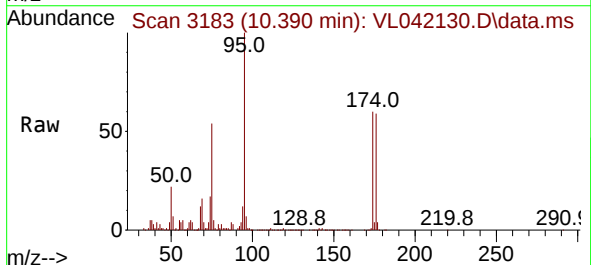
Tgt Ion: 91 Resp: 12149
Ion Ratio Lower Upper
91 100
106 37.5 22.3 66.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.176 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52



Tgt Ion: 95 Resp: 312050
Ion Ratio Lower Upper
95 100
174 62.4 51.8 77.6
175 4.4 3.9 5.9

