

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042137.D
 Acq On : 10 Mar 2025 21:38
 Operator : SY/MD
 Sample : Q1533-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

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

Quant Time: Mar 11 01:32:09 2025

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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	157696	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	369982	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	340317	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 289970 11.075 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	2295	0.140	ppbv	96
4) Chloromethane	1.538	50	2456	0.405	ppbv	99
9) Propene	1.493	41	9511m	1.019	ppbv	
13) Ethanol	1.729	45	716267	1208.441	ppbv	93
15) Acetone	1.842	43	134002	9.622	ppbv	99
17) tert-Butyl alcohol	2.053	59	3033	0.174	ppbv #	93
19) Isopropyl Alcohol	1.894	45	1548394	193.561	ppbv #	33
20) Methylene Chloride	2.069	84	7260	1.378	ppbv	96
26) Hexane	2.839	57	7486	0.332	ppbv #	38
34) 2-Butanone	2.570	43	7508	0.260	ppbv	96
38) Trichloroethene	4.571	130	1260m	0.080	ppbv	
41) Tetrahydrofuran	3.079	42	1948	0.114	ppbv #	78
51) 2-Hexanone	7.461	43	16477m	0.642	ppbv	
52) Tetrachloroethene	8.241	164	58846	4.438	ppbv	98
53) Toluene	6.953	91	7497m	0.173	ppbv	
58) Ethyl Benzene	9.371	91	14280	0.228	ppbv	99
59) m/p-Xylene	9.542	91	50664	1.016	ppbv #	100
60) o-Xylene	9.979	91	34055	0.679	ppbv	96
62) Isopropylbenzene	10.552	105	14518	0.193	ppbv	95
69) p-Isopropyltoluene	11.940	119	43993	0.566	ppbv	95
70) n-Butylbenzene	12.293	91	117905	1.485	ppbv #	68
72) 4-Ethyltoluene	11.138	105	93376m	1.525	ppbv	
73) 1,3,5-Trimethylbenzene	11.215	105	106051	1.997	ppbv	98
74) 1,2,4-Trimethylbenzene	11.549	105	448244	7.496	ppbv #	62

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

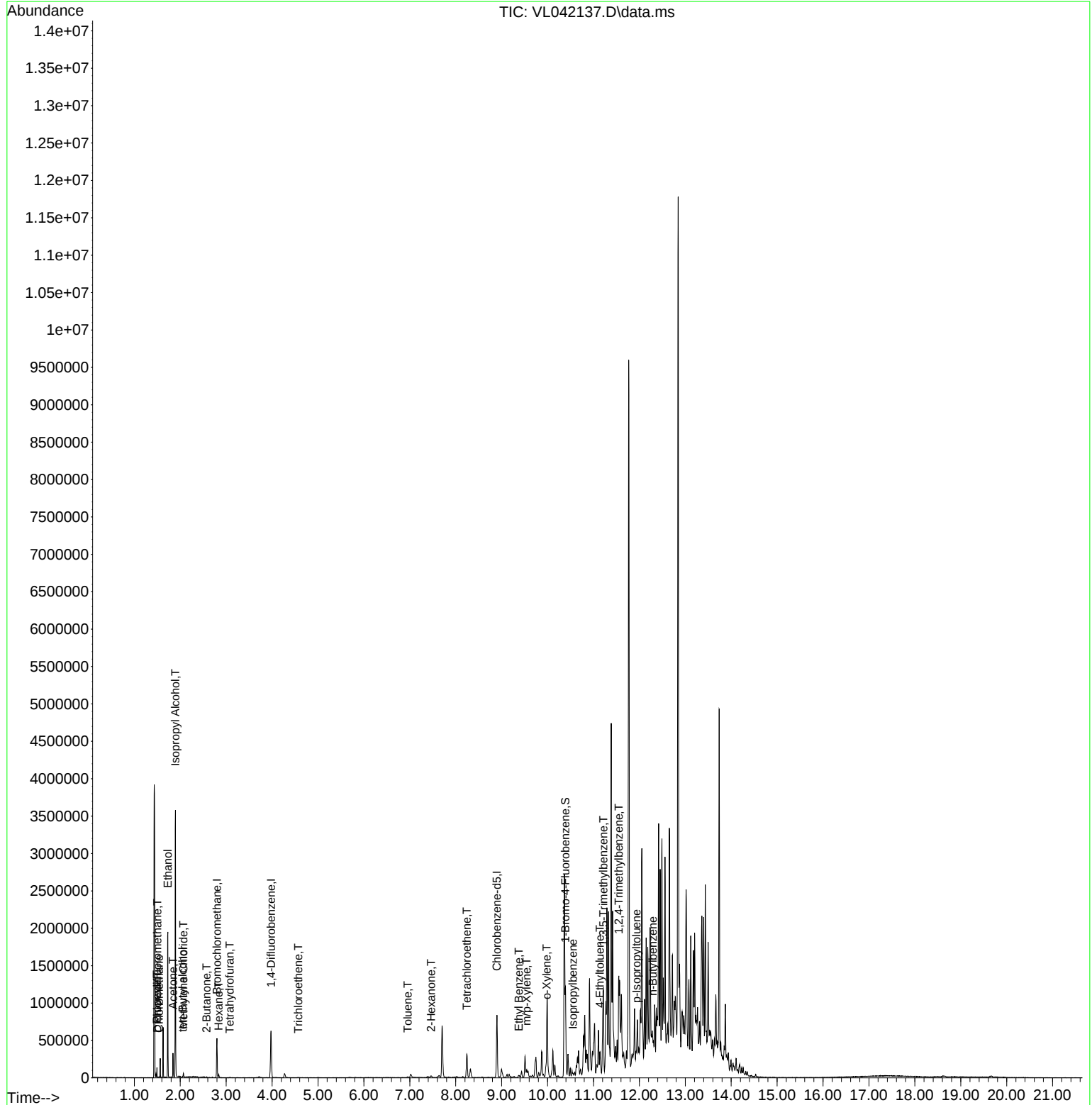
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042137.D
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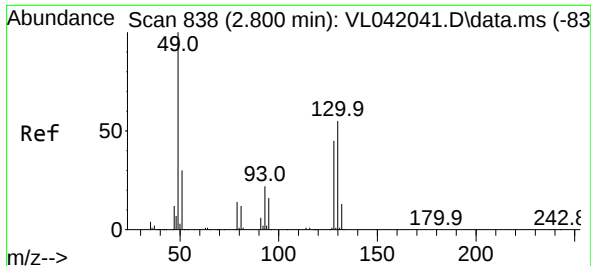
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Mar 11 01:32:09 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

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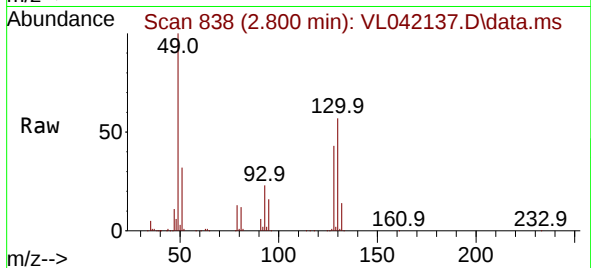
Reviewed By : Semsettin Yesilyurt 03/11/2025
Supervised By : Mahesh Dadoda 03/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

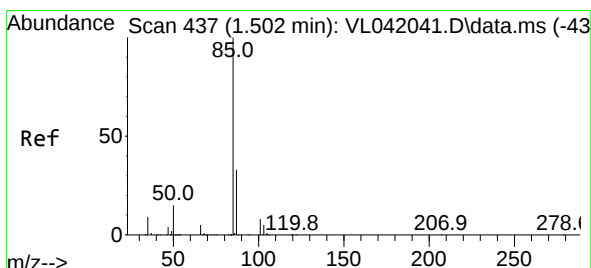
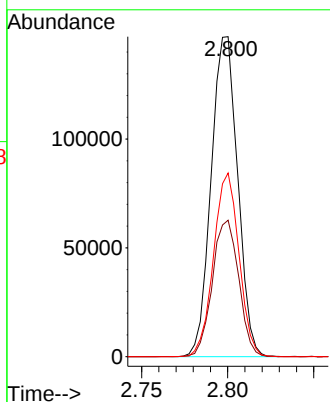
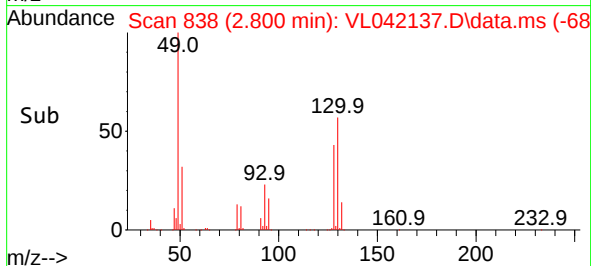
Instrument :
MSVOA_L
ClientSampleId :
SV2



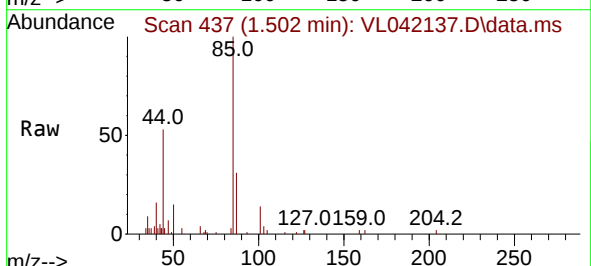
Tgt Ion: 49 Resp: 157690
Ion Ratio Lower Upper
49 100
128 42.5 21.6 64.8
130 55.0 27.8 83.4

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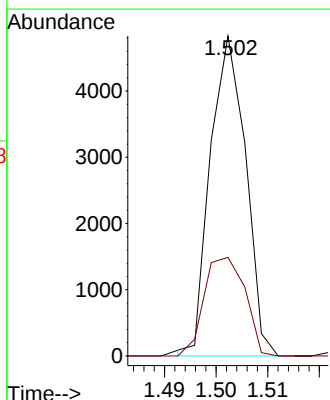
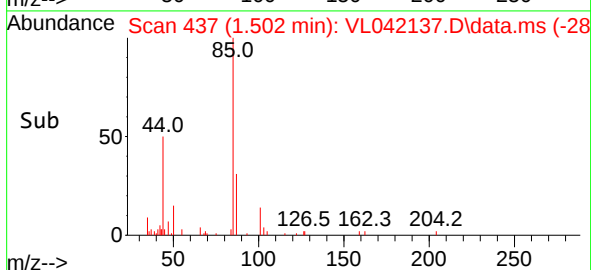
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

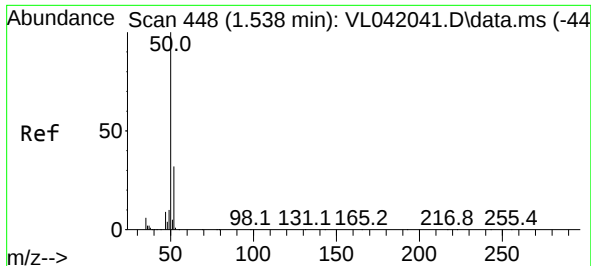


#2
Dichlorodifluoromethane
Concen: 0.140 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38



Tgt Ion: 85 Resp: 2295
Ion Ratio Lower Upper
85 100
87 30.8 26.4 39.6





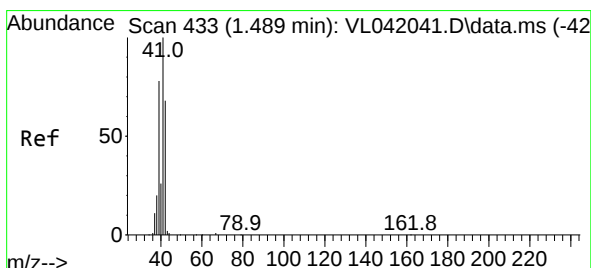
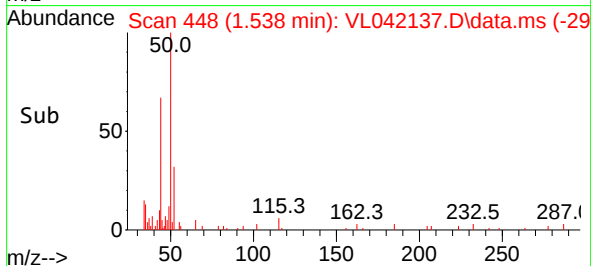
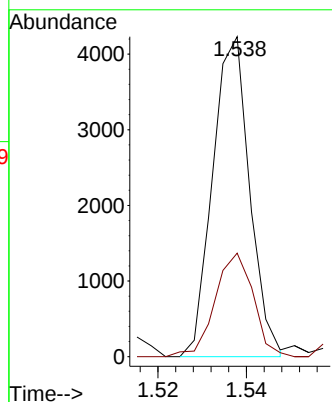
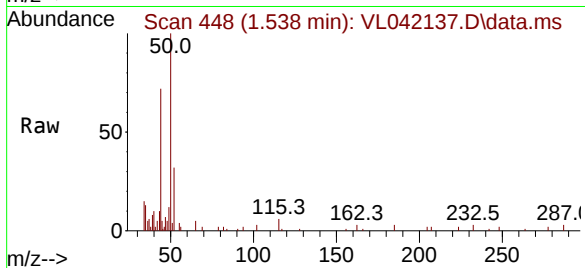
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Chloromethane
Concen: 0.405 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 50 Resp: 2450
Ion Ratio Lower Upper
50 100
52 31.1 25.4 38.0

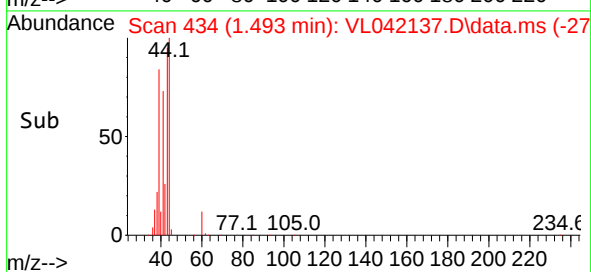
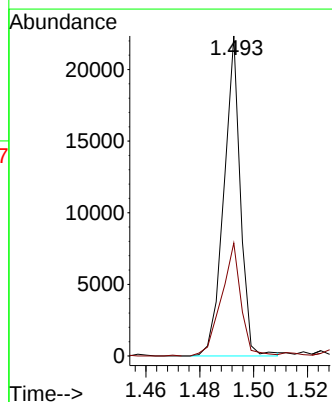
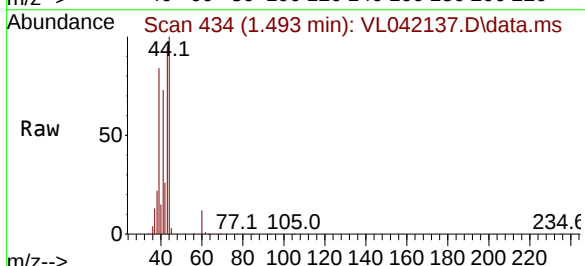
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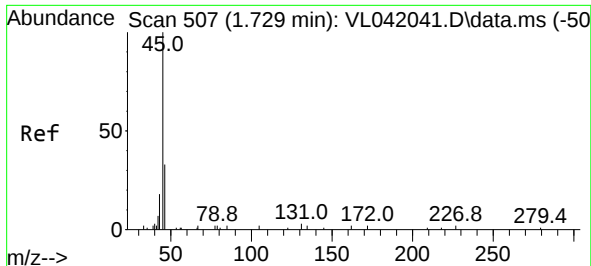
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#9
Propene
Concen: 1.019 ppbv m
RT: 1.493 min Scan# 434
Delta R.T. 0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

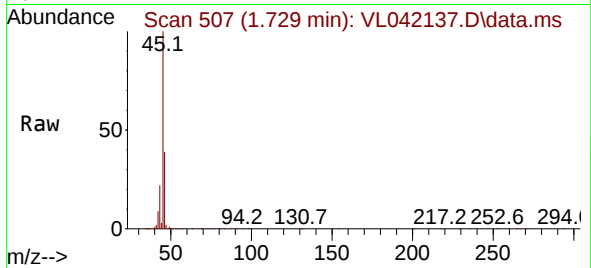
Tgt Ion: 41 Resp: 9511
Ion Ratio Lower Upper
41 100
42 189.6 55.8 83.6#





#13
Ethanol
Concen: 1208.441 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

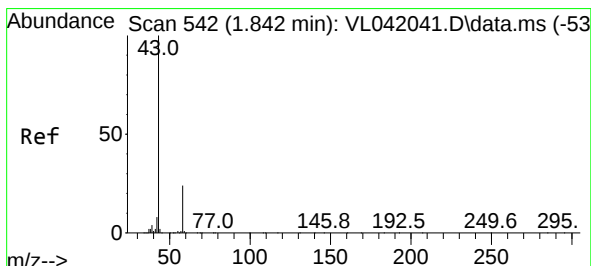
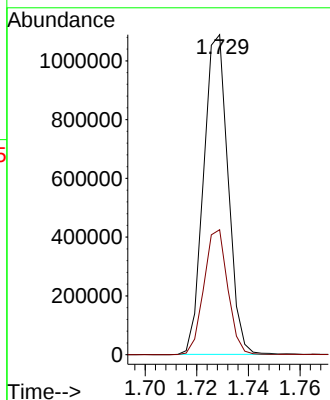
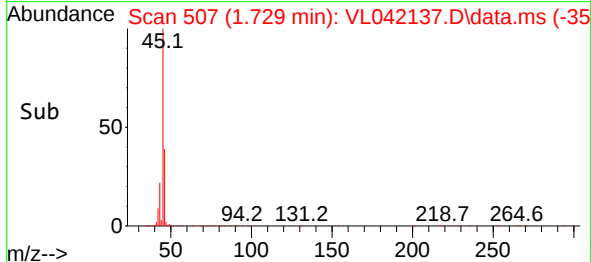
Instrument :
MSVOA_L
ClientSampleId :
SV2



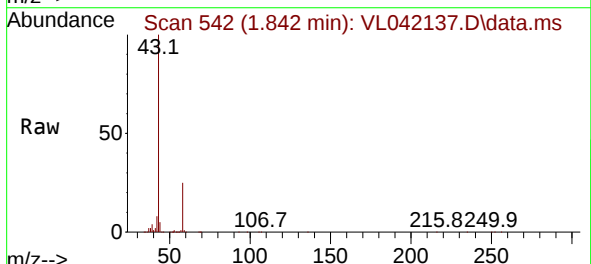
Tgt Ion: 45 Resp: 71626
Ion Ratio Lower Upper
45 100
46 38.4 17.1 68.3

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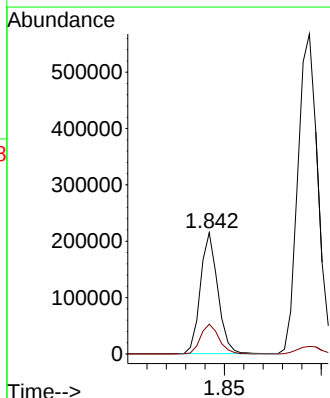
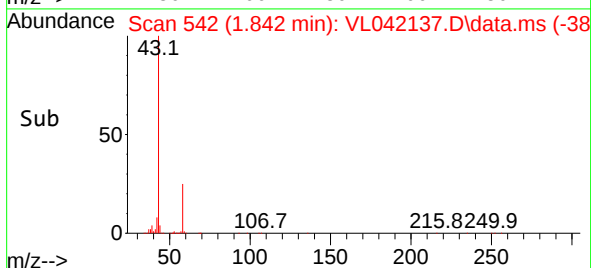
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

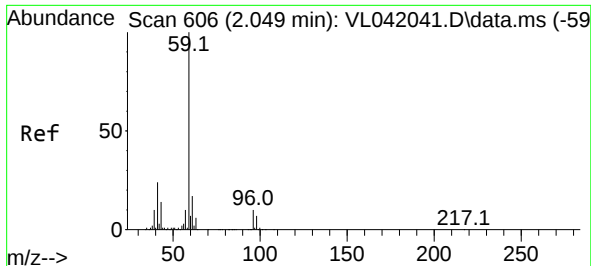


#15
Acetone
Concen: 9.622 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38



Tgt Ion: 43 Resp: 134002
Ion Ratio Lower Upper
43 100
58 26.2 20.7 31.1





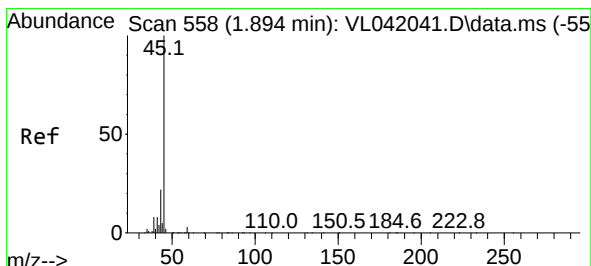
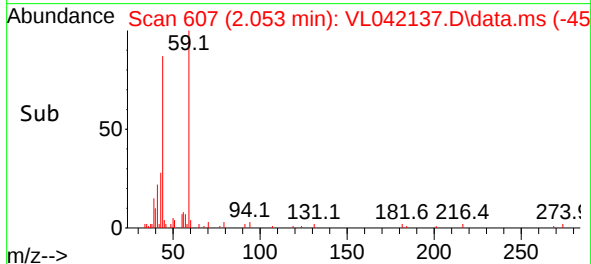
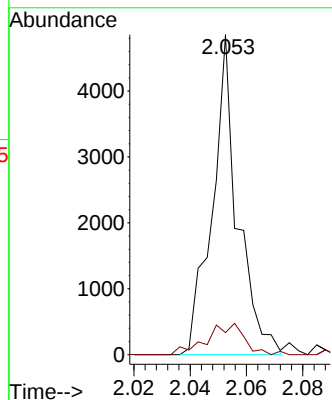
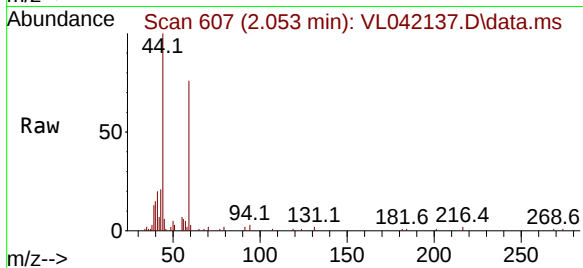
#17
tert-Butyl alcohol
Concen: 0.174 ppbv
RT: 2.053 min Scan# 606
Delta R.T. 0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 59 Resp: 303
Ion Ratio Lower Upper
59 100
57 14.4 9.3 13.9

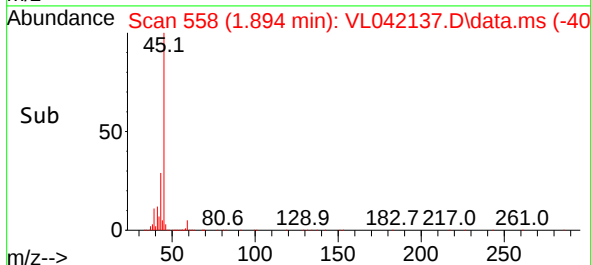
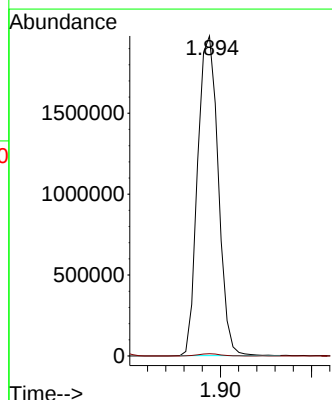
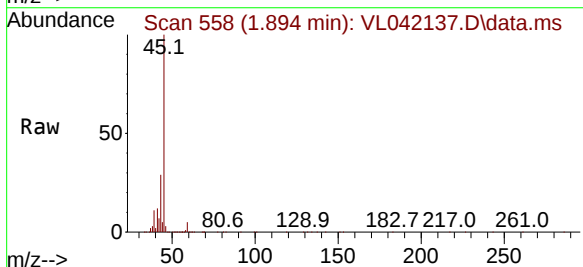
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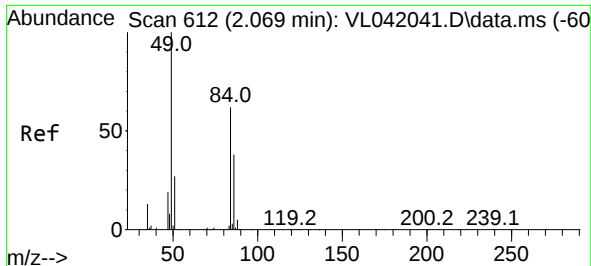
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#19
Isopropyl Alcohol
Concen: 193.561 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

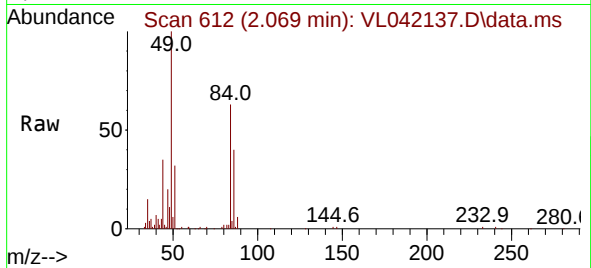
Tgt Ion: 45 Resp: 1548394
Ion Ratio Lower Upper
45 100
58 0.8 35.3 52.9





#20
Methylene Chloride
Concen: 1.378 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SV2

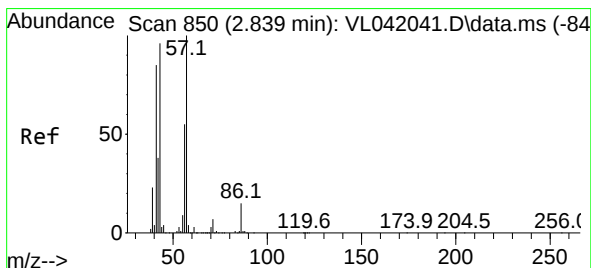
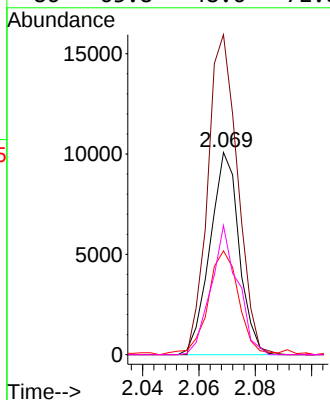
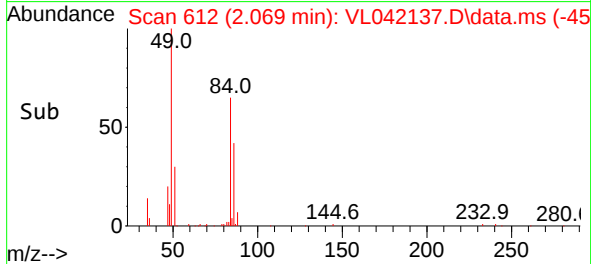


Tgt Ion: 84 Resp: 7260

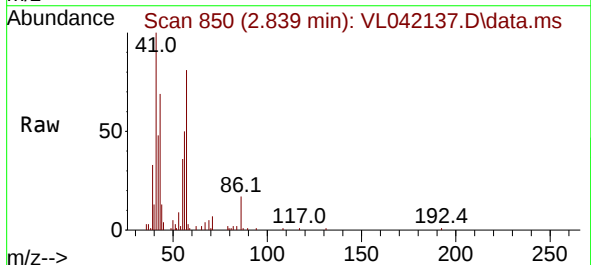
Ion	Ratio	Lower	Upper
84	100		
49	158.2	130.0	195.0
51	50.5	37.4	56.0
86	63.8	48.6	72.8

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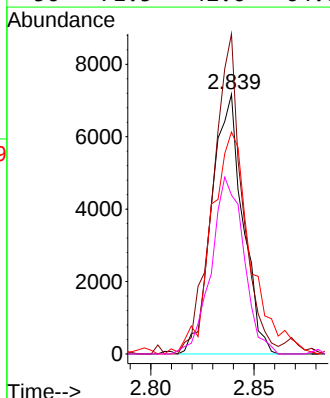
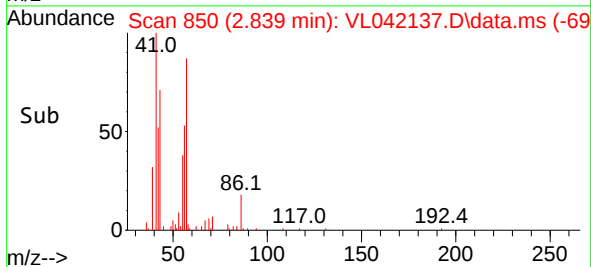


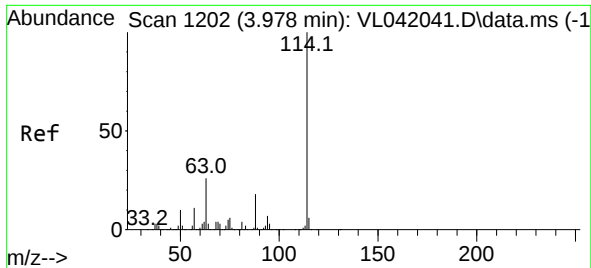
#26
Hexane
Concen: 0.332 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38



Tgt Ion: 57 Resp: 7486

Ion	Ratio	Lower	Upper
57	100		
41	121.1	70.6	106.0#
43	112.1	199.4	299.0#
56	71.5	42.6	64.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:114 Resp: 36998

Ion Ratio Lower Upper

114 100

63 25.5 20.1 30.1

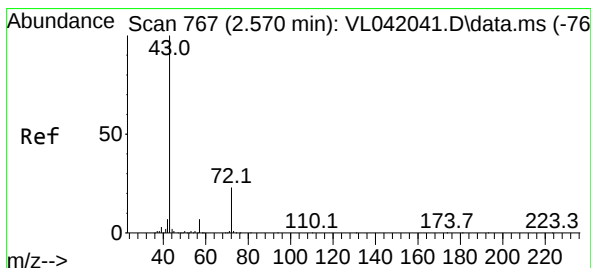
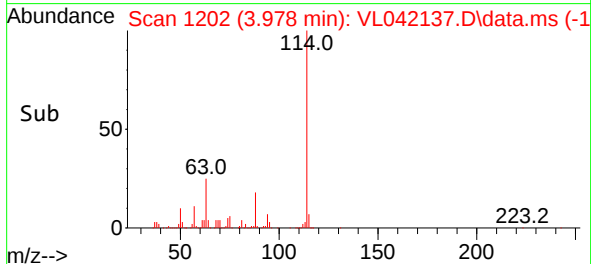
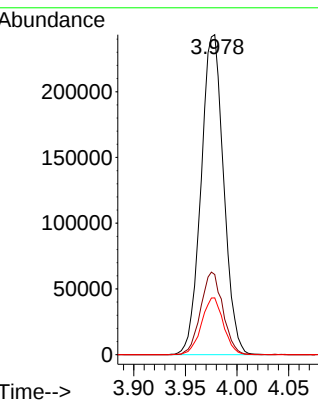
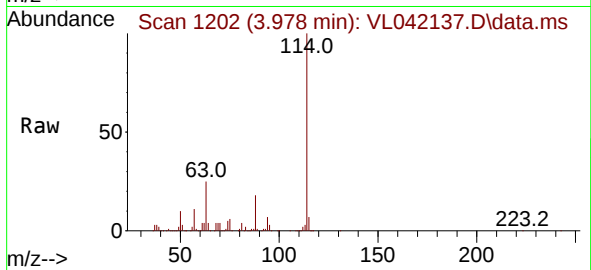
88 17.3 14.3 21.5

Manual Integrations

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#34

2-Butanone

Concen: 0.260 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.000 min

Lab File: VL042137.D

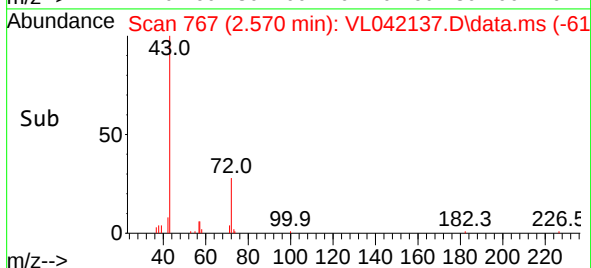
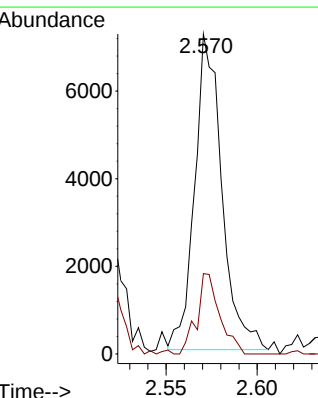
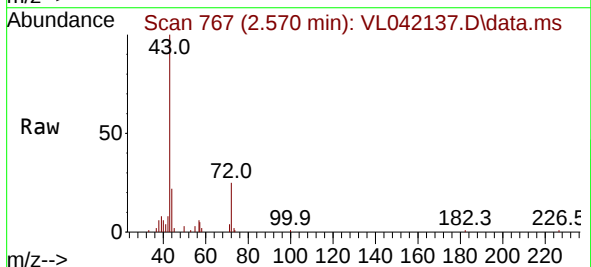
Acq: 10 Mar 2025 21:38

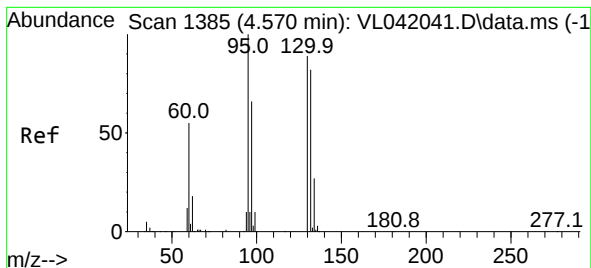
Tgt Ion: 43 Resp: 7508

Ion Ratio Lower Upper

43 100

72 21.4 18.5 27.7





#38

Trichloroethene

Concen: 0.080 ppbv m

RT: 4.571 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL042137.D

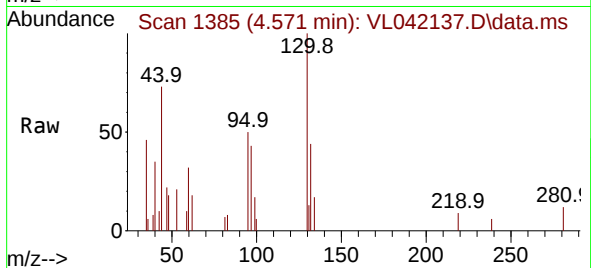
Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

SV2



Tgt Ion:130 Resp: 1260

Ion Ratio Lower Upper

130 100

95 49.9 89.5 134.3

132 44.3 73.8 110.6

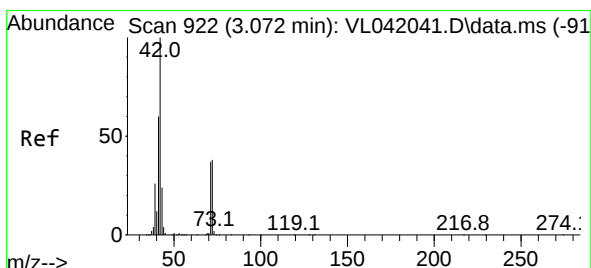
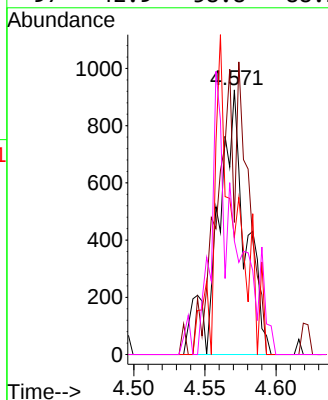
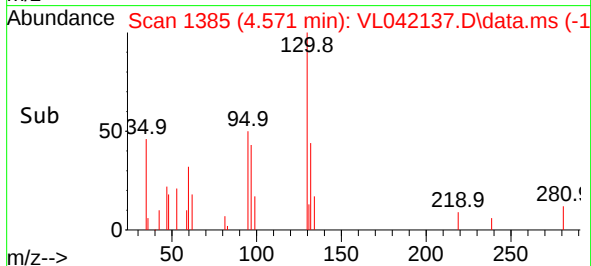
97 42.9 58.8 88.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/11/2025

Supervised By :Mahesh Dadoda 03/11/2025



#41

Tetrahydrofuran

Concen: 0.114 ppbv

RT: 3.079 min Scan# 924

Delta R.T. 0.007 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

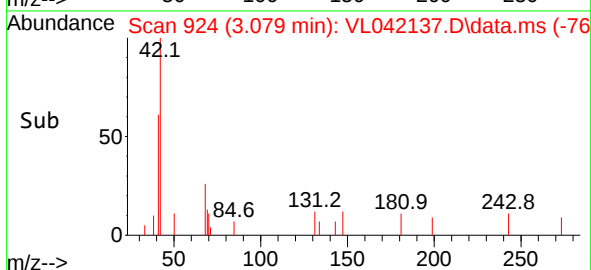
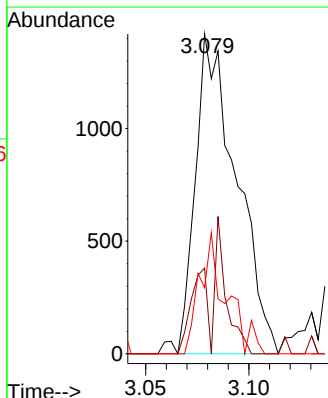
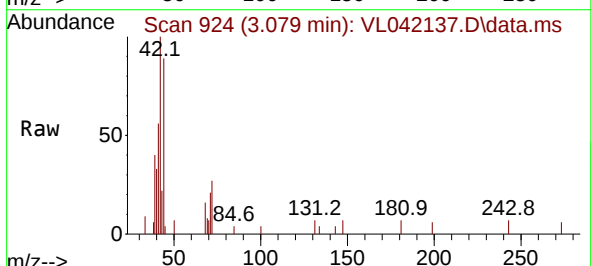
Tgt Ion: 42 Resp: 1948

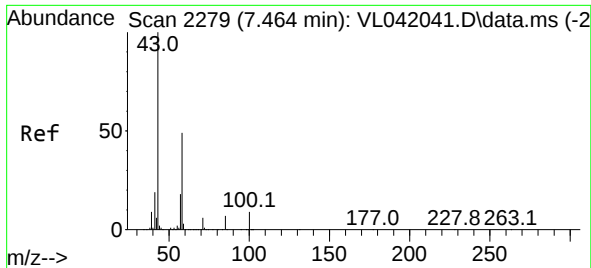
Ion Ratio Lower Upper

42 100

72 22.4 30.2 45.2

71 24.7 28.2 42.4





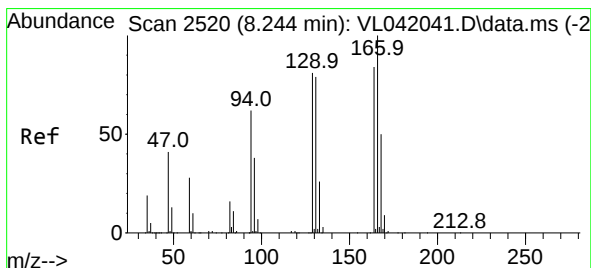
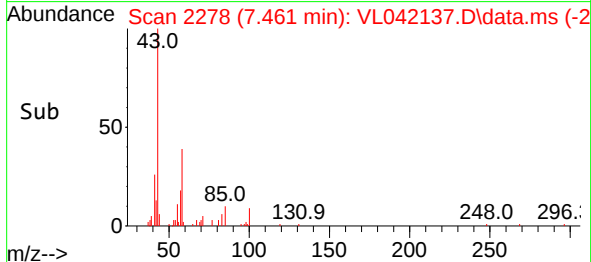
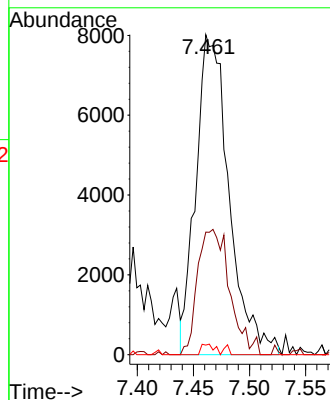
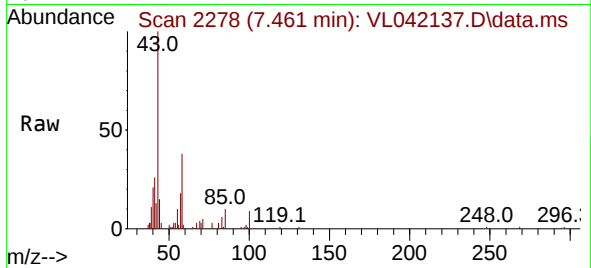
#51
2-Hexanone
Concen: 0.642 ppbv m
RT: 7.461 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 38.1 39.0 58.6
98 1.7 0.1 0.1

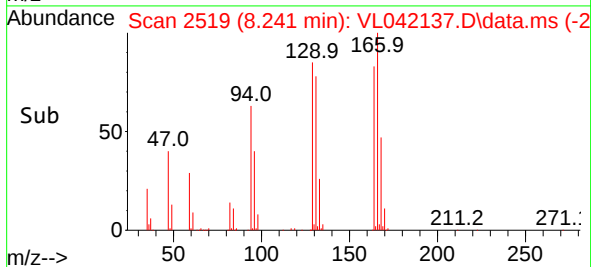
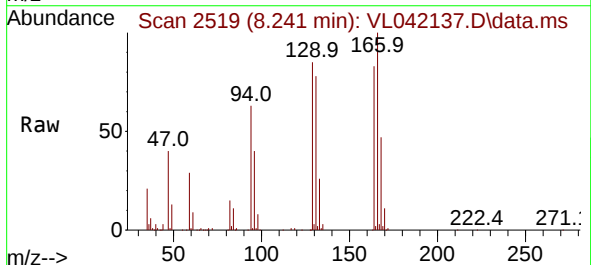
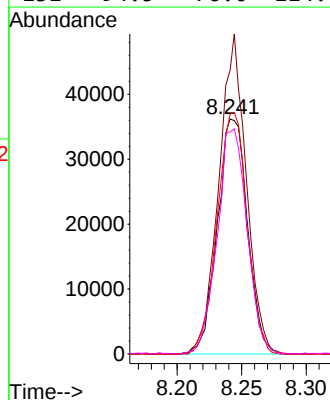
Manual Integrations
APPROVED

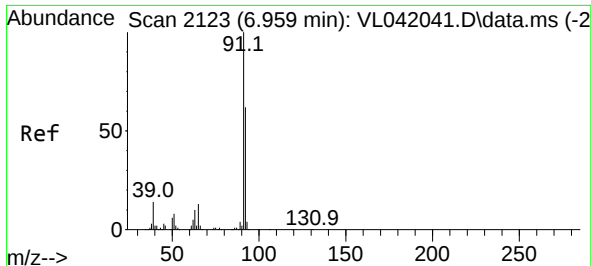
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#52
Tetrachloroethene
Concen: 4.438 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

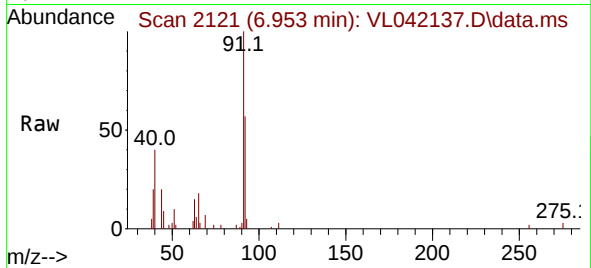
Tgt Ion:164 Resp: 58846
Ion Ratio Lower Upper
164 100
166 120.7 95.7 143.5
129 102.0 77.1 115.7
131 94.5 76.0 114.0





#53
Toluene
Concen: 0.173 ppbv m
RT: 6.953 min Scan# 2121
Delta R.T. -0.006 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

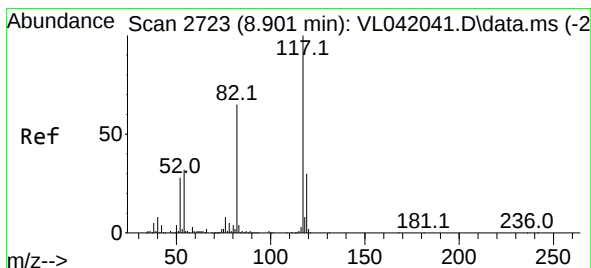
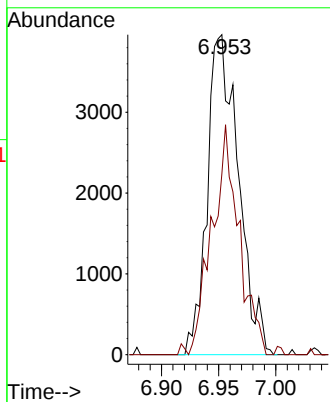
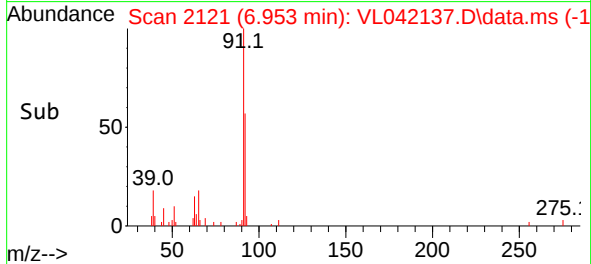
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 749
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6

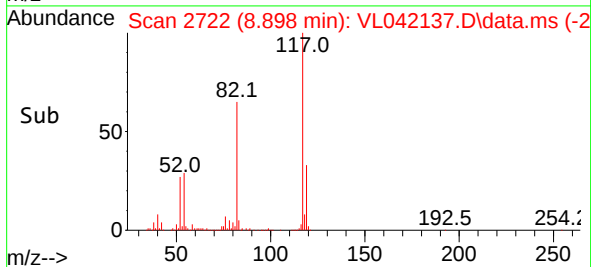
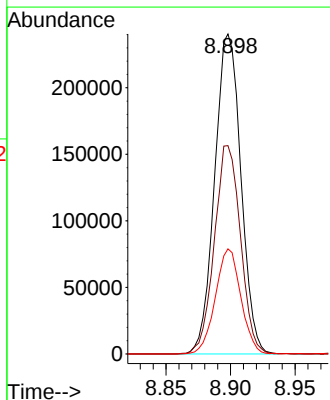
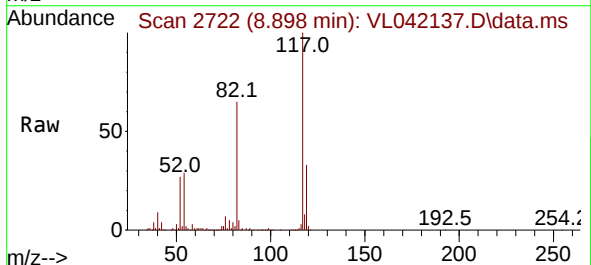
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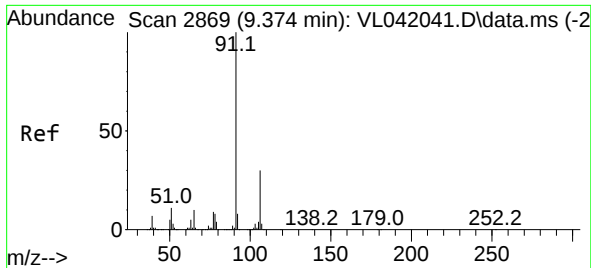
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion:117 Resp: 340317
Ion Ratio Lower Upper
117 100
82 64.8 55.0 82.6
119 31.9 25.9 38.9





#58

Ethyl Benzene

Concen: 0.228 ppbv

RT: 9.371 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 91 Resp: 14280

Ion Ratio Lower Upper

91 100

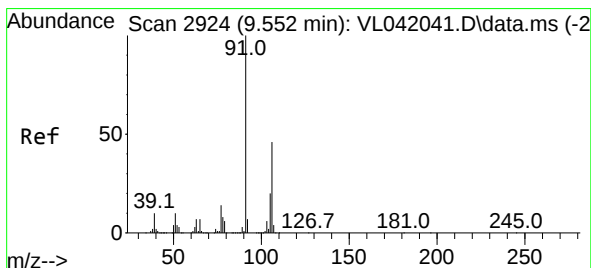
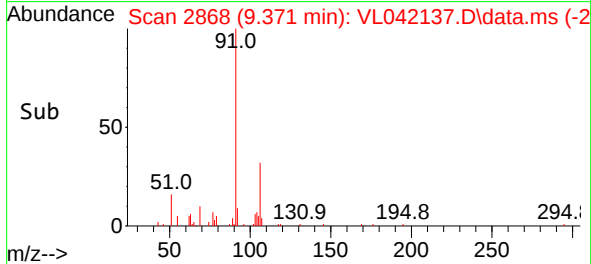
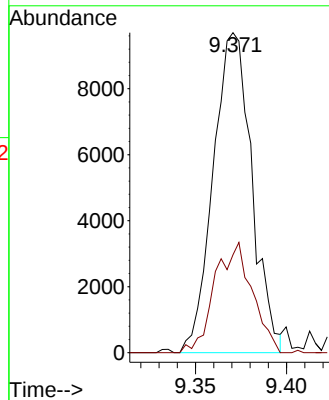
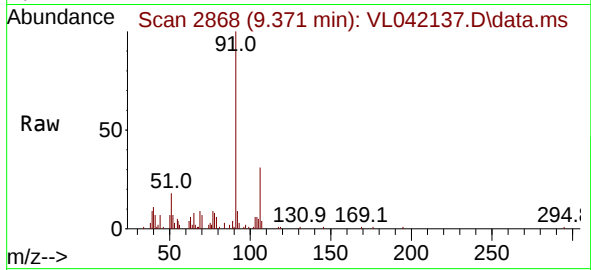
106 30.6 24.2 36.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/11/2025

Supervised By :Mahesh Dadoda 03/11/2025



#59

m/p-Xylene

Concen: 1.016 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. -0.010 min

Lab File: VL042137.D

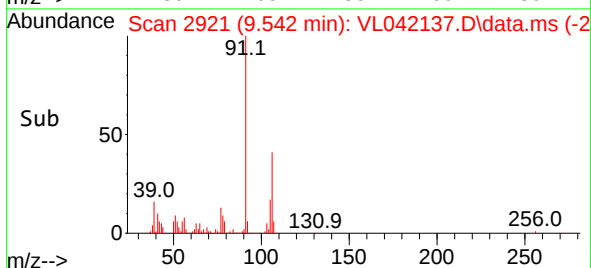
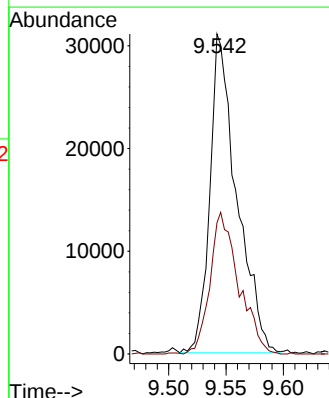
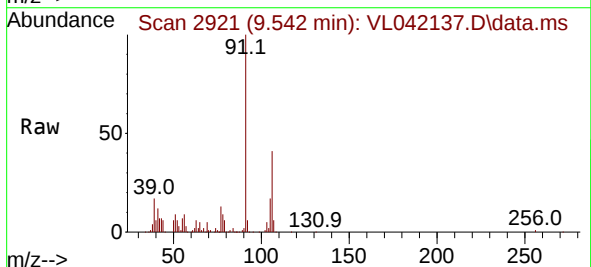
Acq: 10 Mar 2025 21:38

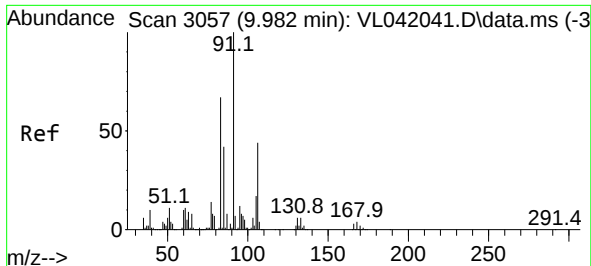
Tgt Ion: 91 Resp: 50664

Ion Ratio Lower Upper

91 100

106 47.6 0.0 0.0#





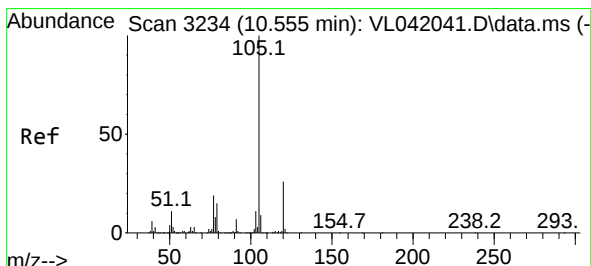
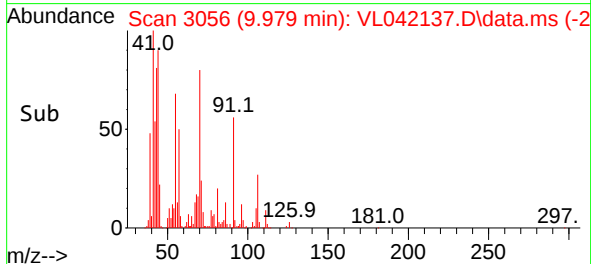
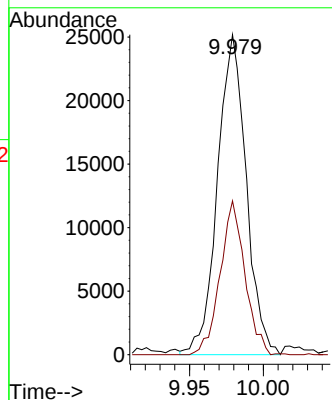
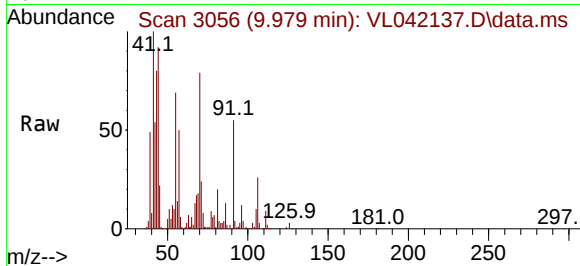
#60
o-Xylene
Concen: 0.679 ppbv
RT: 9.979 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 3405
Ion Ratio Lower Upper
91 100
106 41.6 22.3 66.8

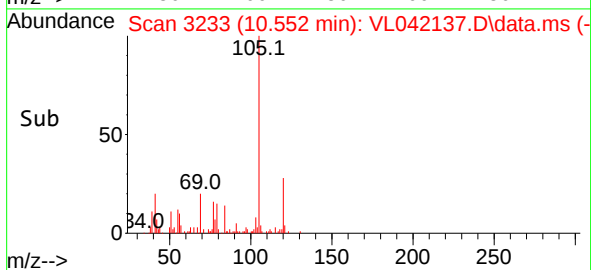
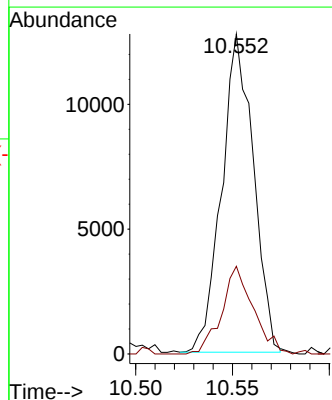
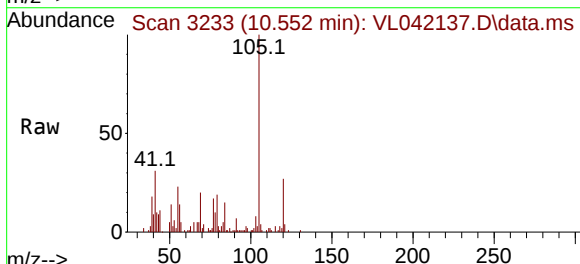
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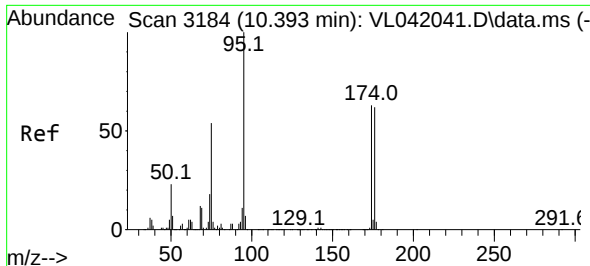
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#62
Isopropylbenzene
Concen: 0.193 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

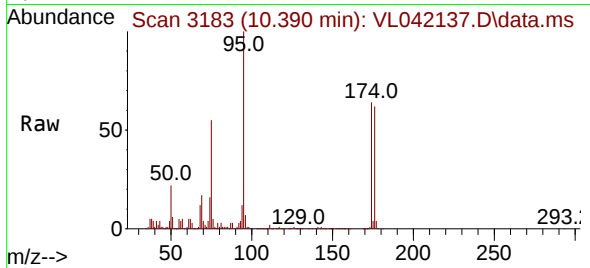
Tgt Ion:105 Resp: 14518
Ion Ratio Lower Upper
105 100
120 28.3 20.7 31.1





#68
1-Bromo-4-Fluorobenzene
Concen: 11.075 ppbv
RT: 10.390 min Scan# 3184
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

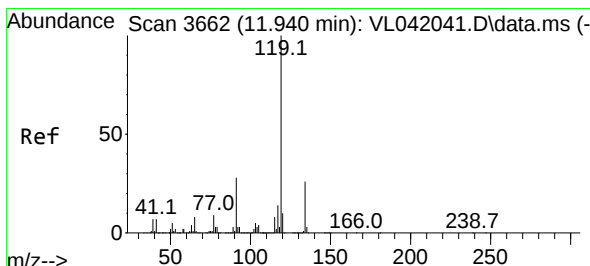
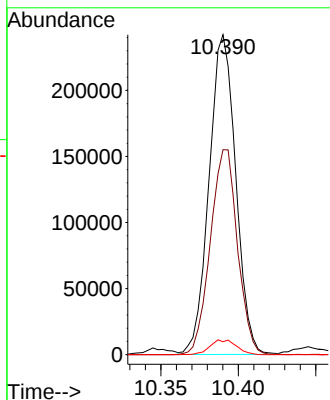
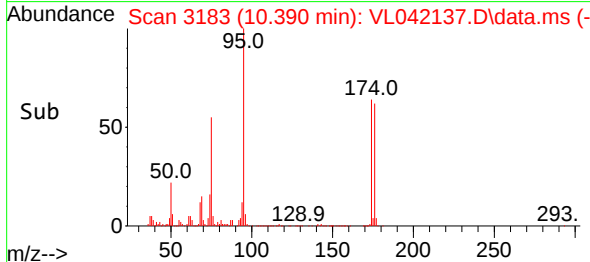
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 95 Resp: 289970
Ion Ratio Lower Upper
95 100
174 65.3 51.8 77.6
175 4.6 3.9 5.9

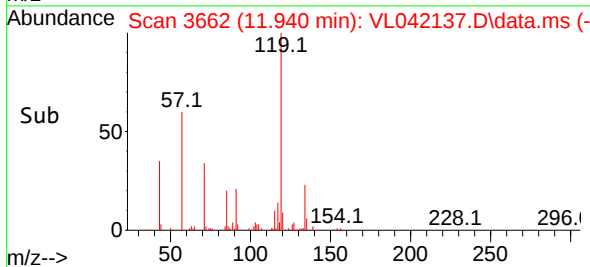
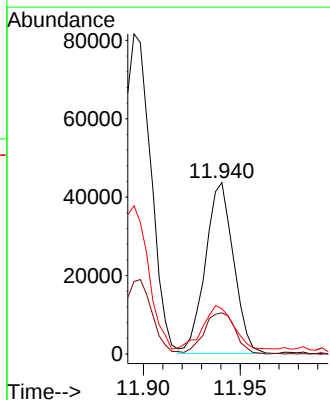
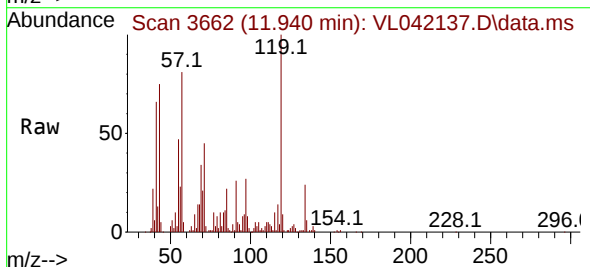
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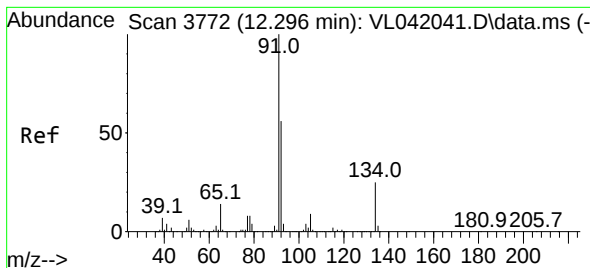
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#69
p-Isopropyltoluene
Concen: 0.566 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

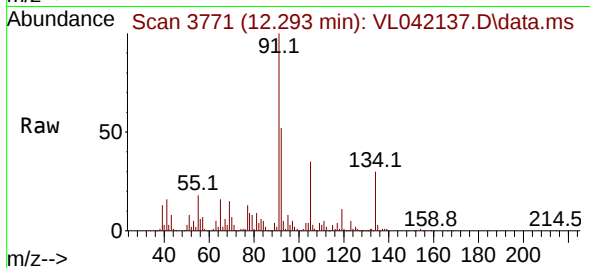
Tgt Ion:119 Resp: 43993
Ion Ratio Lower Upper
119 100
134 27.0 20.9 31.3
91 33.4 23.1 34.7





#70
n-Butylbenzene
Concen: 1.485 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

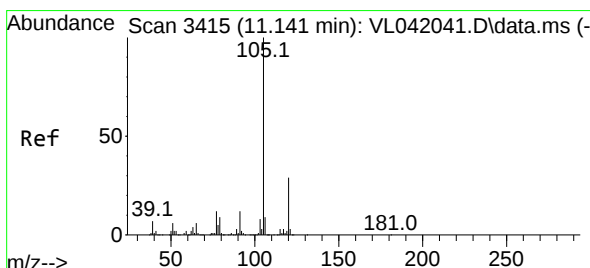
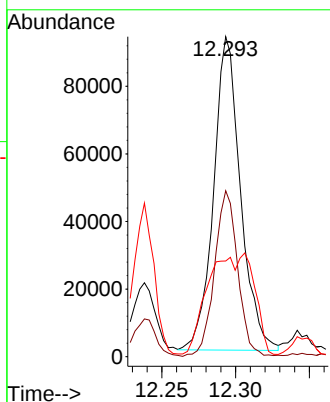
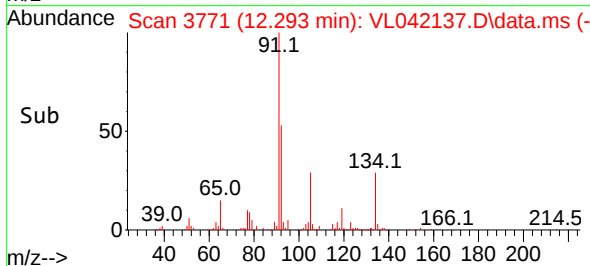
Instrument :
MSVOA_L
ClientSampleId :
SV2



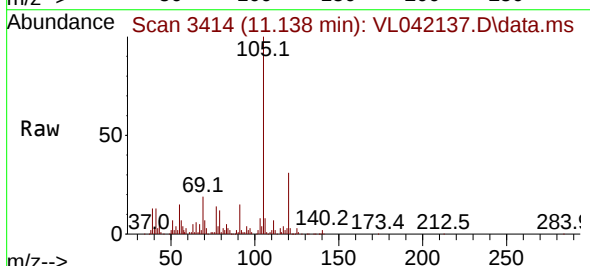
Tgt Ion: 91 Resp: 11790
Ion Ratio Lower Upper
91 100
92 44.4 44.7 67.1
134 58.3 18.9 28.3

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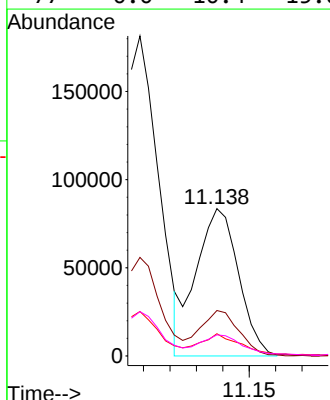
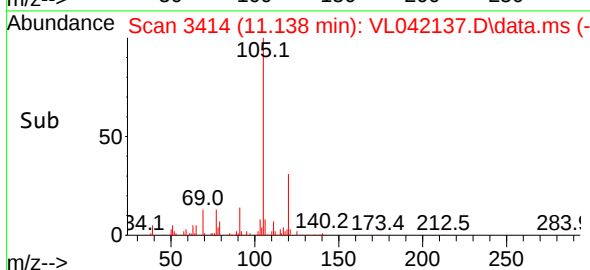
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

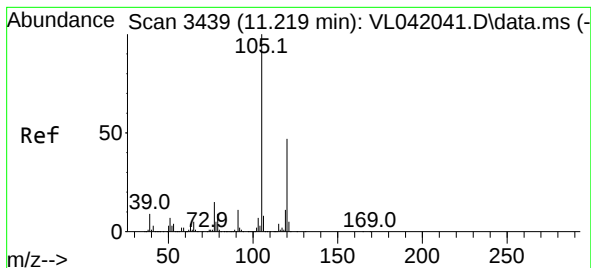


#72
4-Ethyltoluene
Concen: 1.525 ppbv m
RT: 11.138 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38



Tgt Ion:105 Resp: 93376
Ion Ratio Lower Upper
105 100
120 0.0 24.1 36.1#
91 0.0 10.2 15.4#
77 0.0 10.4 15.6#





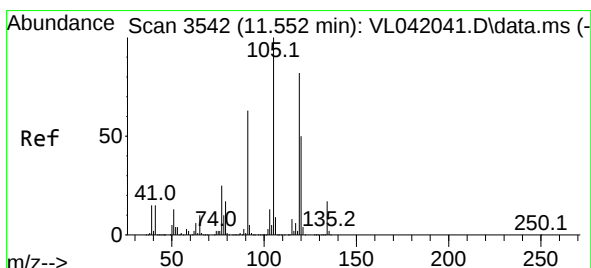
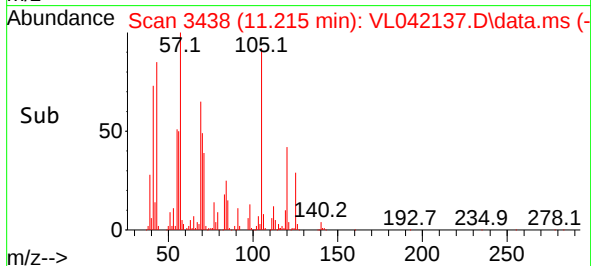
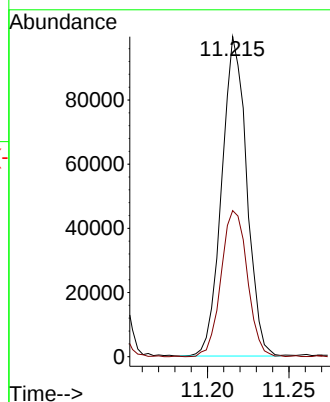
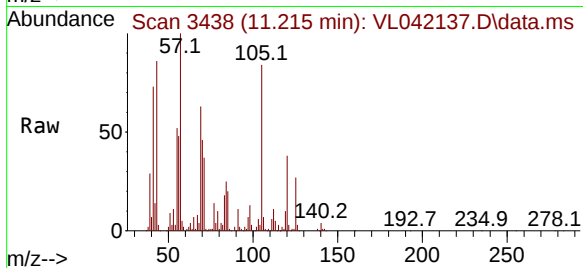
#73
1,3,5-Trimethylbenzene
Concen: 1.997 ppbv
RT: 11.215 min Scan# 3439
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:105 Resp: 10605
Ion Ratio Lower Upper
105 100
120 45.6 37.4 56.0

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



#74
1,2,4-Trimethylbenzene
Concen: 7.496 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion:105 Resp: 448244
Ion Ratio Lower Upper
105 100
120 44.0 40.2 60.2
91 11.1 51.4 77.2#
77 14.1 20.1 30.1#

