

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042431.D
 Acq On : 28 Apr 2025 18:00
 Operator : SY/MD
 Sample : Q1880-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P11-SC-SS01-20250421

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 29 01:41:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	121052	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	332477	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	283703	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 254492 10.916 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 109.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	25608	1.197	ppbv	97
3) Chlorodifluoromethane	1.473	51	6549m	0.322	ppbv	
9) Propene	1.486	41	30866	3.328	ppbv #	75
10) Heptane	4.975	43	7469m	0.287	ppbv	
11) Trichlorofluoromethane	1.874	101	28003	1.377	ppbv	93
13) Ethanol	1.719	45	111200	75.431	ppbv	75
15) Acetone	1.832	43	2162315	109.117	ppbv #	74
17) tert-Butyl alcohol	2.043	59	36864	1.501	ppbv #	89
19) Isopropyl Alcohol	1.887	45	55931	5.081	ppbv #	33
20) Methylene Chloride	2.059	84	3153	0.406	ppbv #	75
26) Hexane	2.826	57	13247	0.670	ppbv #	38
27) Carbon Disulfide	2.149	76	100277	4.737	ppbv	96
29) Chloroform	2.849	83	12986	0.465	ppbv	97
30) Cyclohexane	3.852	84	3609m	0.226	ppbv	
34) 2-Butanone	2.554	43	292727	11.133	ppbv	100
35) Carbon Tetrachloride	3.755	117	1542m	0.051	ppbv	
36) Benzene	3.655	78	16576	0.462	ppbv #	91
38) Trichloroethene	4.548	130	9963m	0.636	ppbv	
50) 4-Methyl-2-Pentanone	5.765	43	14004m	0.320	ppbv	
52) Tetrachloroethene	8.225	164	5442	0.393	ppbv #	83
53) Toluene	6.930	91	38616	0.897	ppbv	97
59) m/p-Xylene	9.526	91	18559m	0.410	ppbv	
60) o-Xylene	9.963	91	7155m	0.157	ppbv	
74) 1,2,4-Trimethylbenzene	11.532	105	5983	0.104	ppbv #	60

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

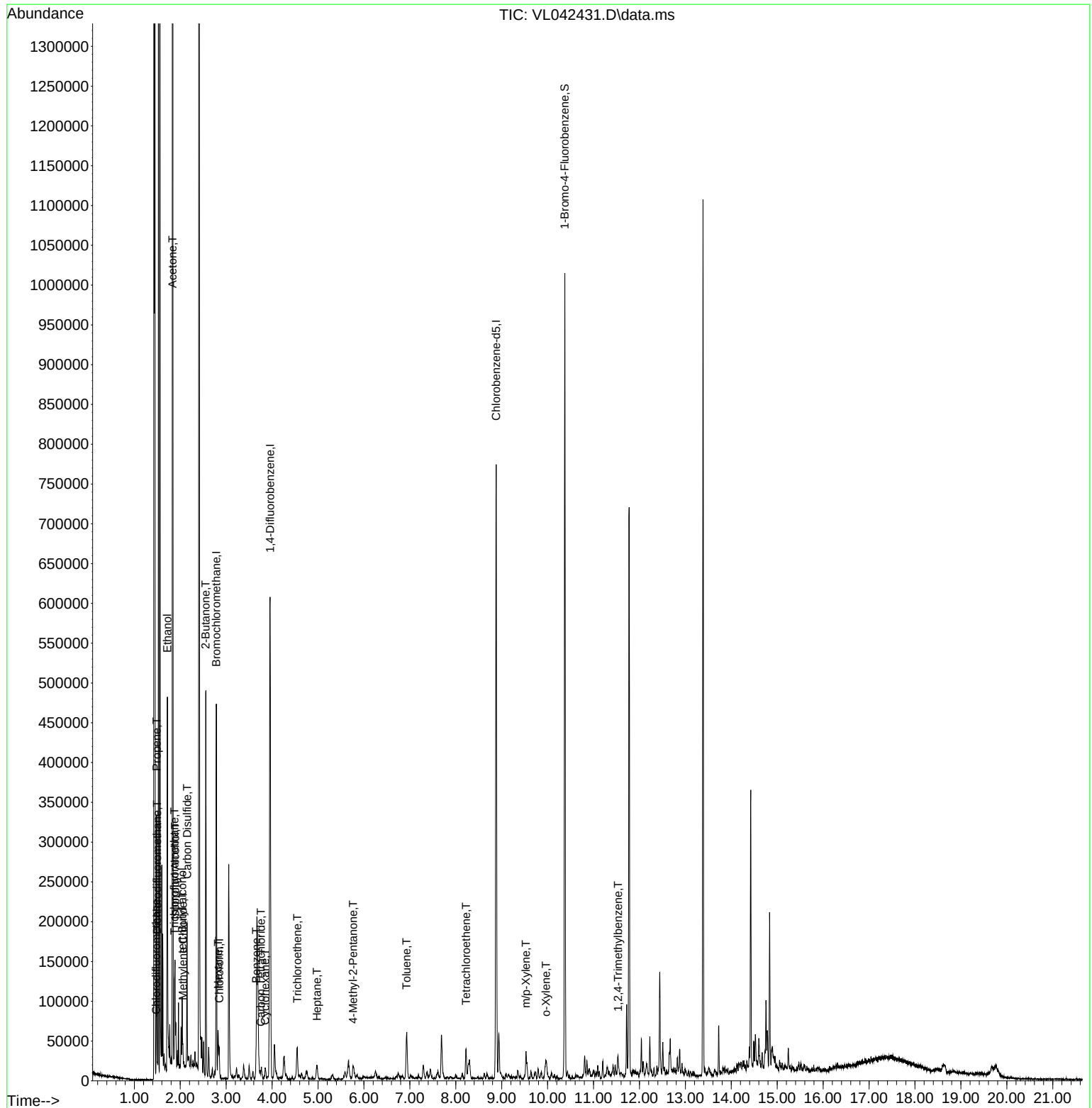
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Data File : VL042431.D
Acq On : 28 Apr 2025 18:00
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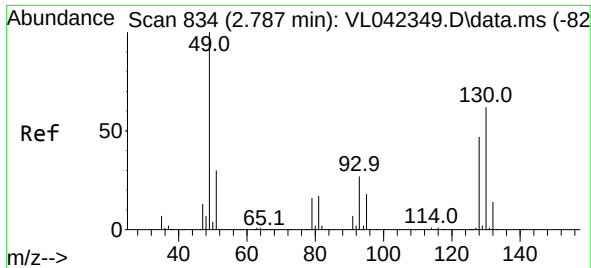
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Quant Time: Apr 29 01:41:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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Manual Integrations
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Reviewed By : Semsettin Yesilyurt 04/29/2025
Supervised By : Mahesh Dadoda 04/30/2025





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.787 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042431.D

Acq: 28 Apr 2025 18:00

Instrument :

MSVOA_L

ClientSampleId :

EBR-P11-SC-SS01-20250421

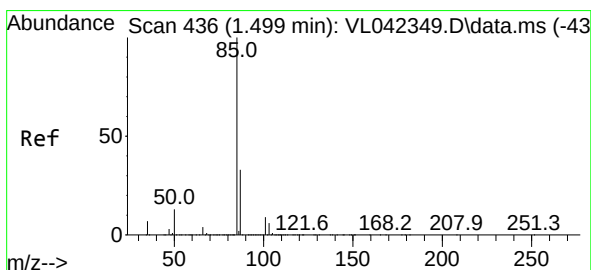
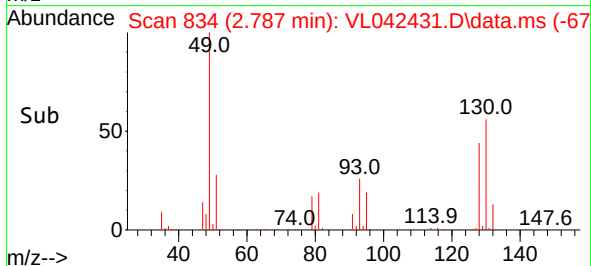
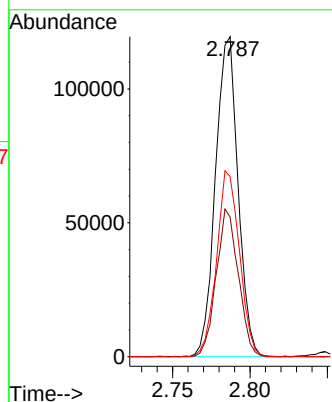
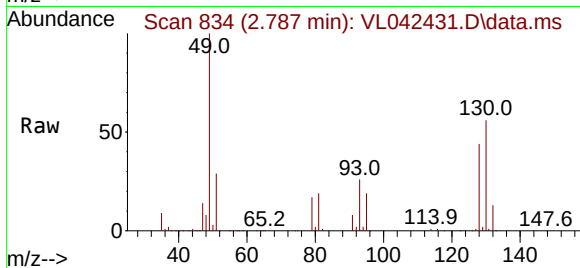
Tgt Ion: 49 Resp: 121052

Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.8	68.4
130	58.9	29.3	88.0

Manual Integrations

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Supervised By :Mahesh Dadoda 04/30/2025



#2

Dichlorodifluoromethane

Concen: 1.197 ppbv

RT: 1.496 min Scan# 435

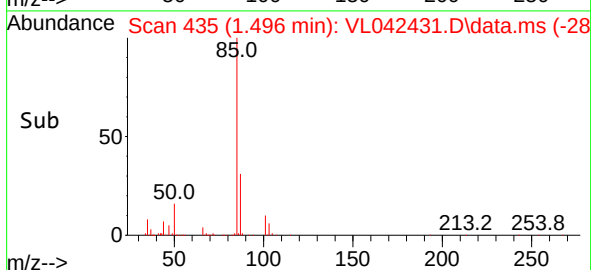
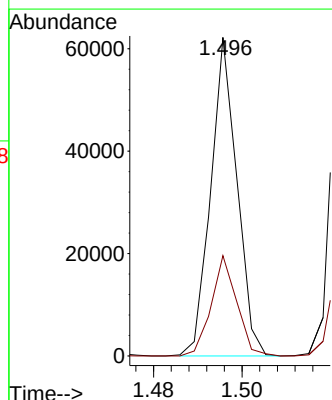
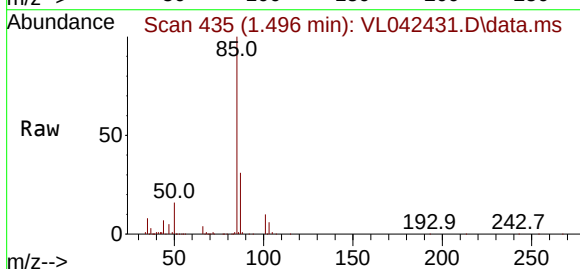
Delta R.T. -0.003 min

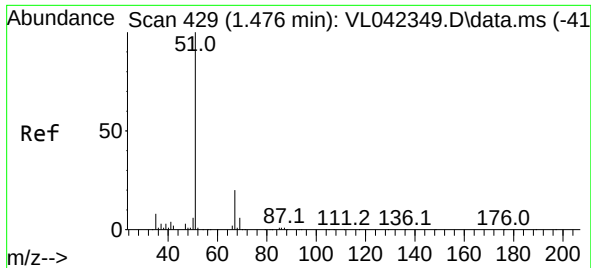
Lab File: VL042431.D

Acq: 28 Apr 2025 18:00

Tgt Ion: 85 Resp: 25608

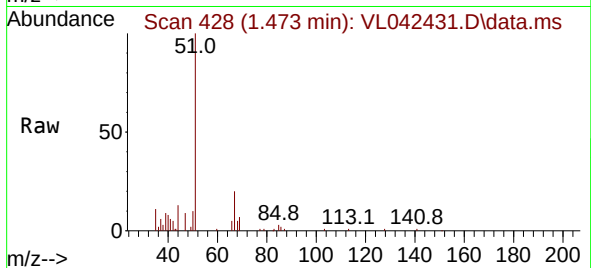
Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.6	39.8





#3
Chlorodifluoromethane
Concen: 0.322 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

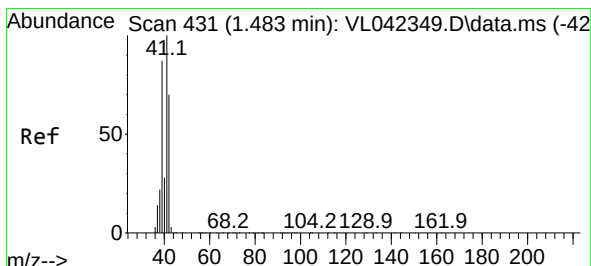
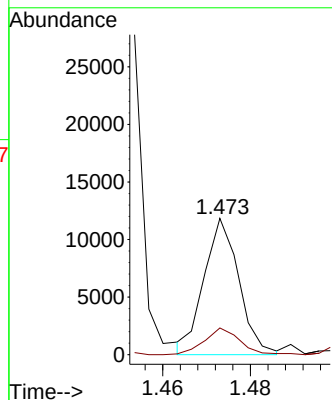
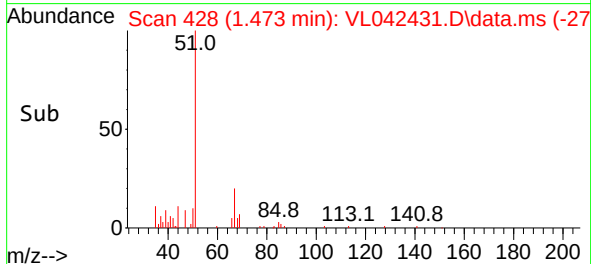
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421



Tgt Ion: 51 Resp: 6549
Ion Ratio Lower Upper
51 100
67 26.4 16.2 24.4

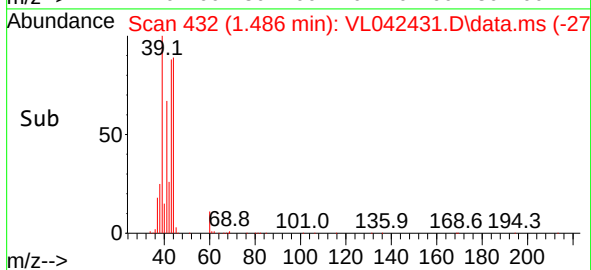
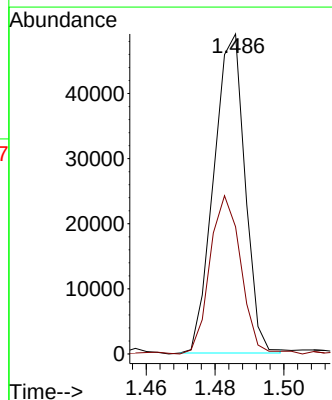
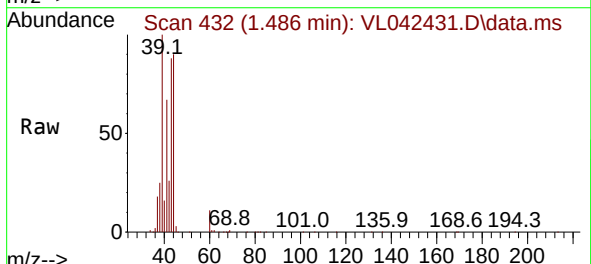
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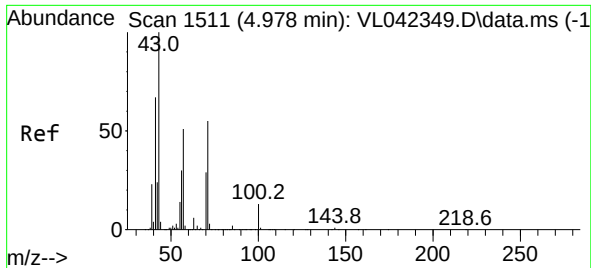
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#9
Propene
Concen: 3.328 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

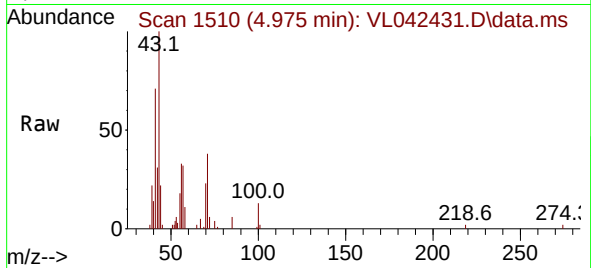
Tgt Ion: 41 Resp: 30866
Ion Ratio Lower Upper
41 100
42 49.8 56.2 84.4





#10
Heptane
Concen: 0.287 ppbv m
RT: 4.975 min Scan# 1511
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

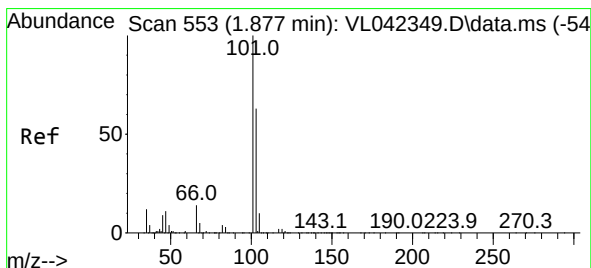
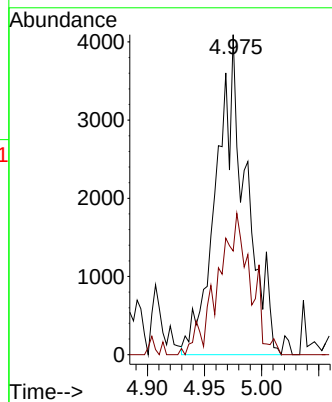
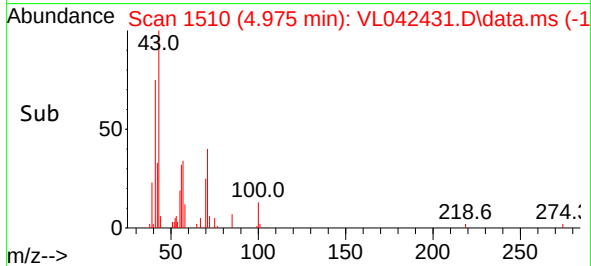
Instrument : MSVOA_L
ClientSampleId : EBR-P11-SC-SS01-20250421



Tgt Ion: 43 Resp: 7469
Ion Ratio Lower Upper
43 100
57 48.0 39.9 59.9

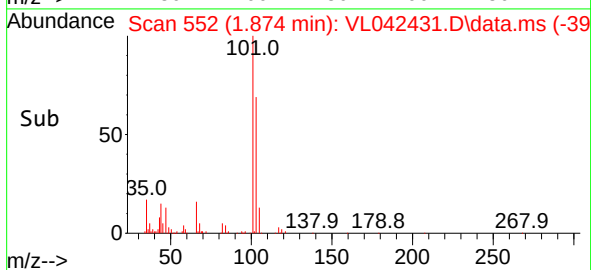
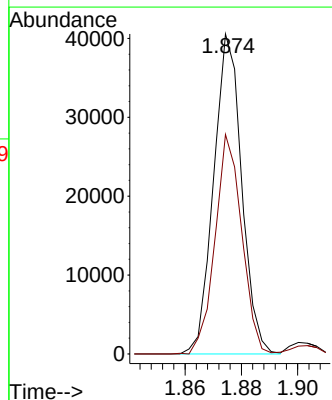
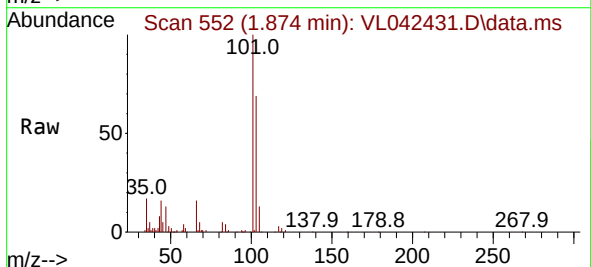
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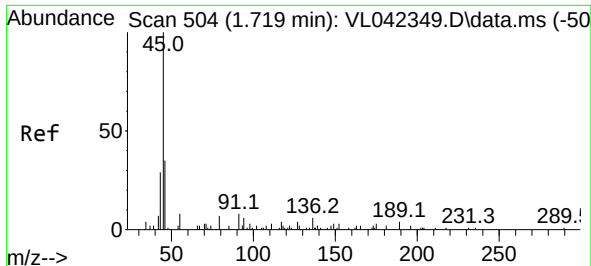
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#11
Trichlorofluoromethane
Concen: 1.377 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

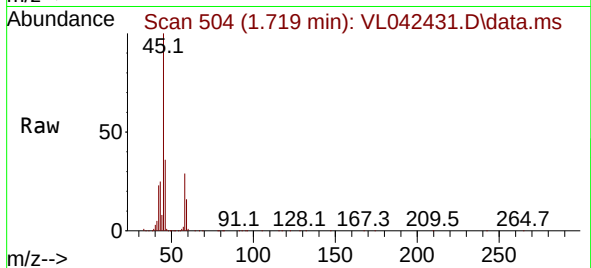
Tgt Ion:101 Resp: 28003
Ion Ratio Lower Upper
101 100
103 68.4 50.1 75.1





#13
 Ethanol
 Concen: 75.431 ppbv
 RT: 1.719 min Scan# 504
 Delta R.T. 0.000 min
 Lab File: VL042431.D
 Acq: 28 Apr 2025 18:00

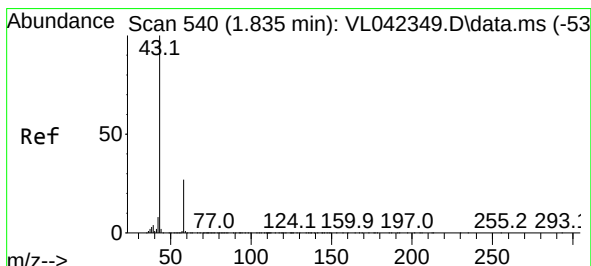
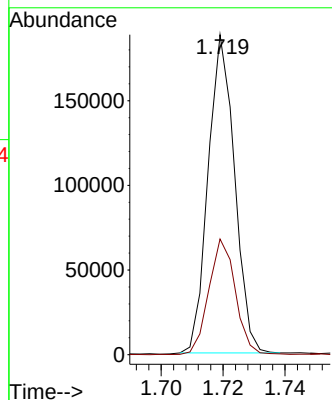
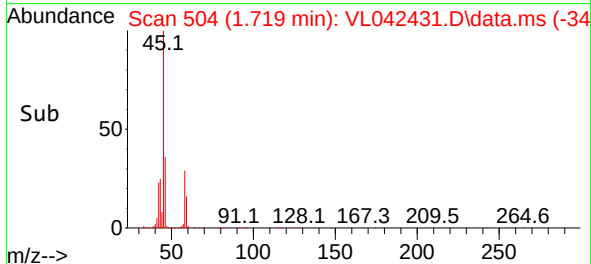
Instrument : MSVOA_L
 ClientSampleId : EBR-P11-SC-SS01-20250421



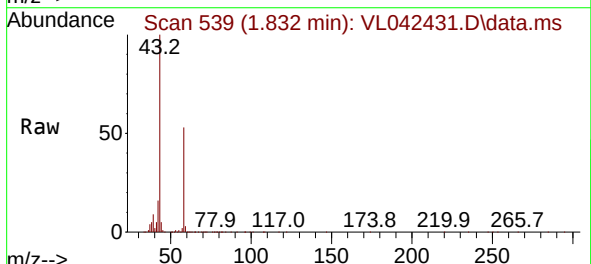
Tgt Ion: 45 Resp: 111200
 Ion Ratio Lower Upper
 45 100
 46 37.0 21.9 87.7

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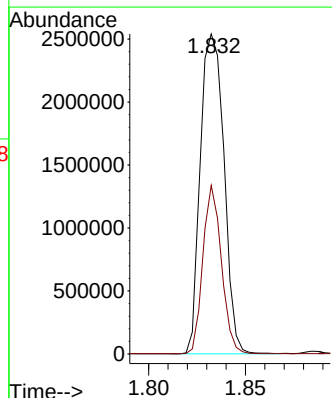
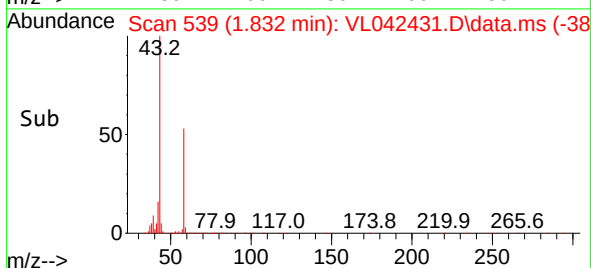
Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

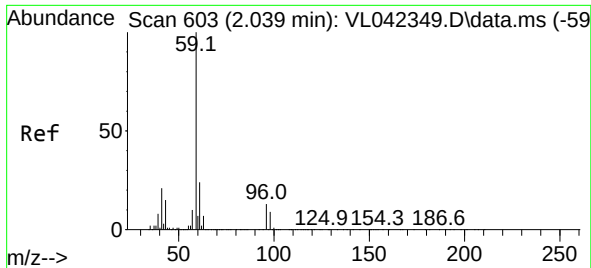


#15
 Acetone
 Concen: 109.117 ppbv
 RT: 1.832 min Scan# 539
 Delta R.T. -0.003 min
 Lab File: VL042431.D
 Acq: 28 Apr 2025 18:00



Tgt Ion: 43 Resp: 2162315
 Ion Ratio Lower Upper
 43 100
 58 41.7 22.4 33.6#





#17

tert-Butyl alcohol

Concen: 1.501 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042431.D

Acq: 28 Apr 2025 18:00

Instrument :

MSVOA_L

ClientSampleId :

EBR-P11-SC-SS01-20250421

Tgt Ion: 59 Resp: 36864

Ion Ratio Lower Upper

59 100

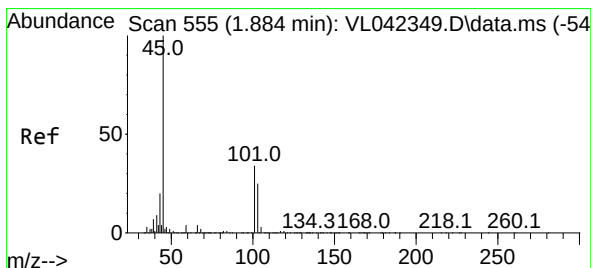
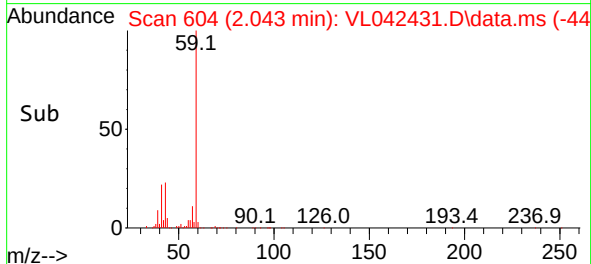
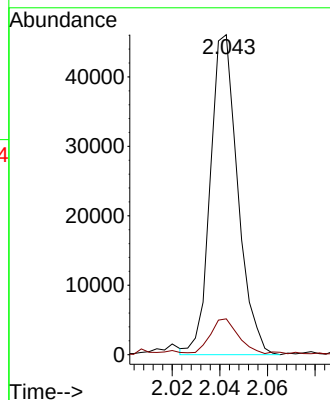
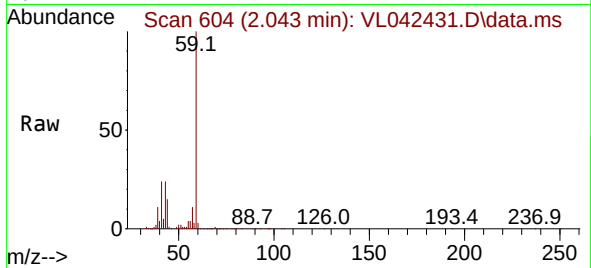
57 15.1 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#19

Isopropyl Alcohol

Concen: 5.081 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042431.D

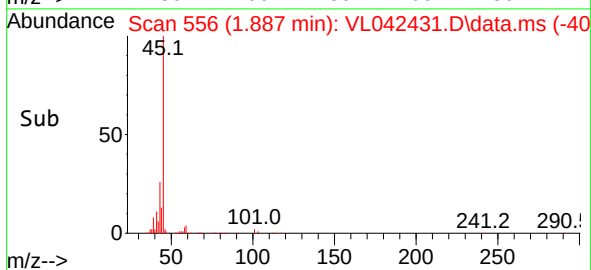
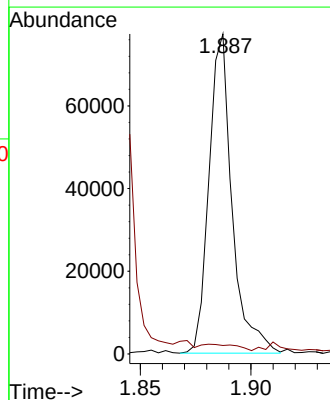
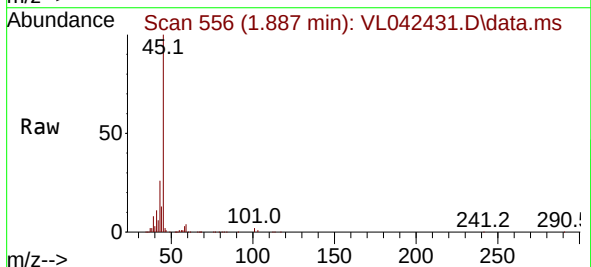
Acq: 28 Apr 2025 18:00

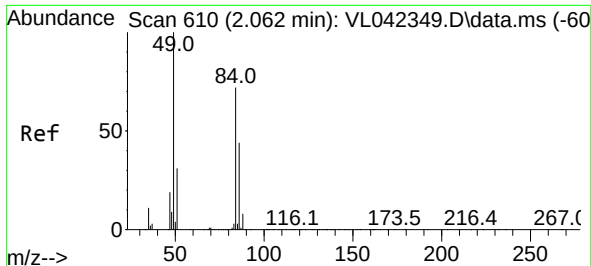
Tgt Ion: 45 Resp: 55931

Ion Ratio Lower Upper

45 100

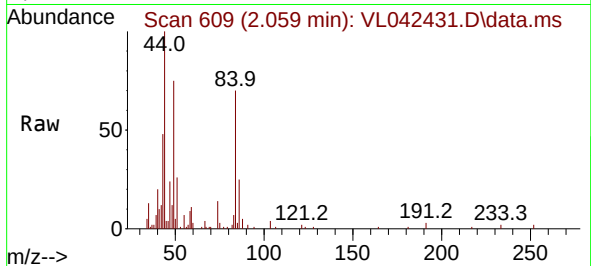
58 0.0 34.5 51.7





#20
Methylene Chloride
Concen: 0.406 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

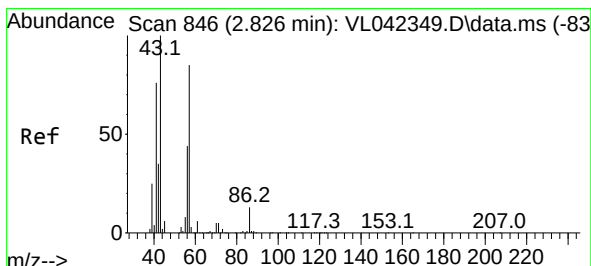
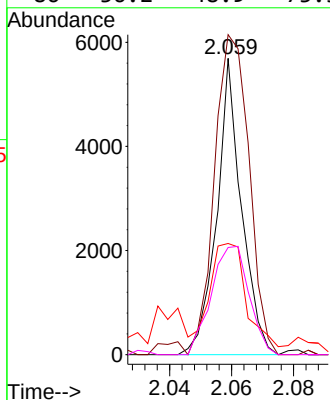
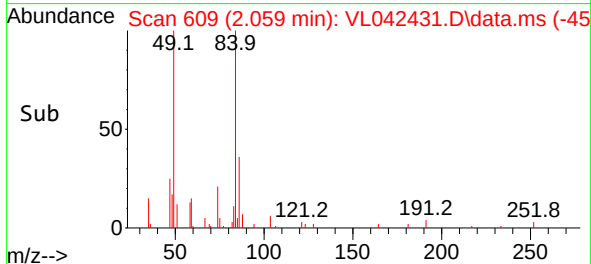
Instrument : MSVOA_L
ClientSampleId : EBR-P11-SC-SS01-20250421



Tgt Ion: 84 Resp: 315
Ion Ratio Lower Upper
84 100
49 108.0 111.6 167.4
51 34.8 35.1 52.7
86 36.2 48.9 73.3

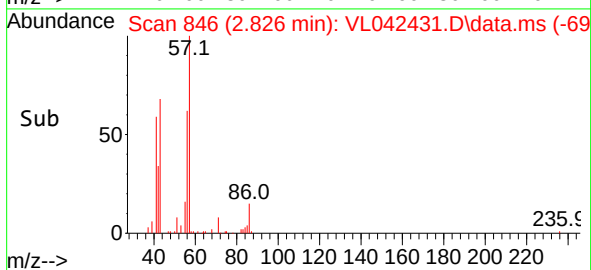
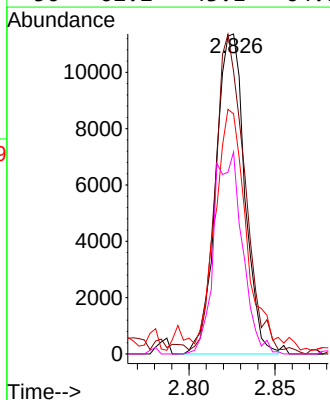
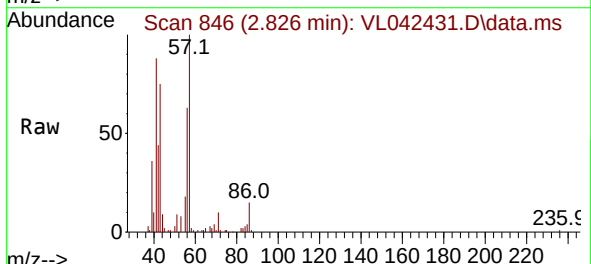
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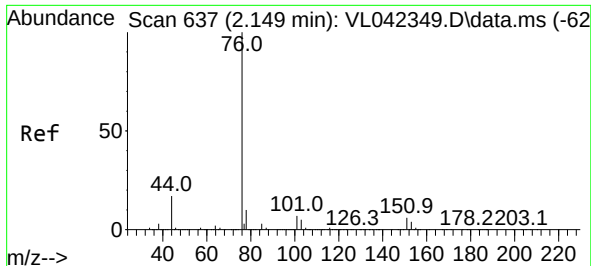
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#26
Hexane
Concen: 0.670 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

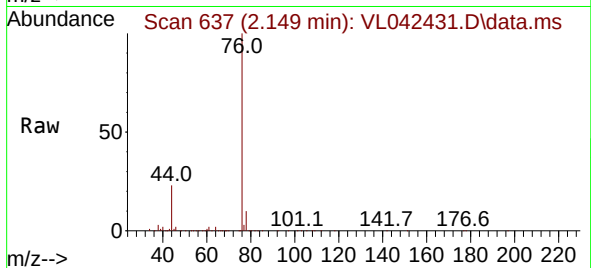
Tgt Ion: 57 Resp: 13247
Ion Ratio Lower Upper
57 100
41 100.4 77.9 116.9
43 92.1 208.4 312.6
56 62.2 43.1 64.7





#27
Carbon Disulfide
Concen: 4.737 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

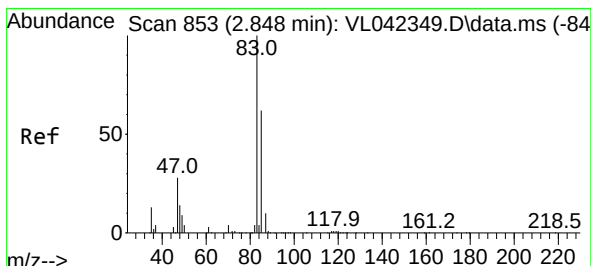
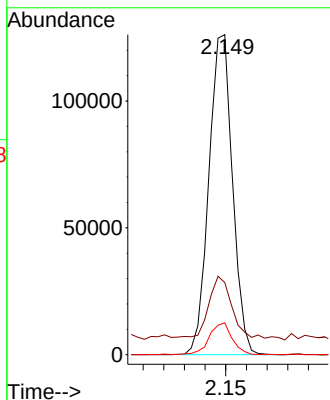
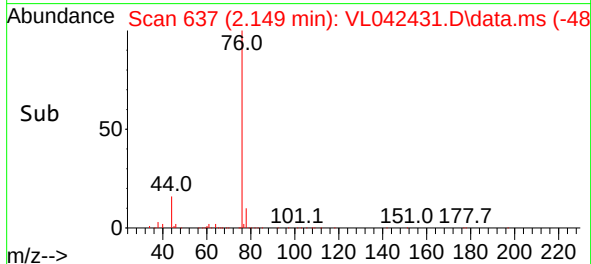
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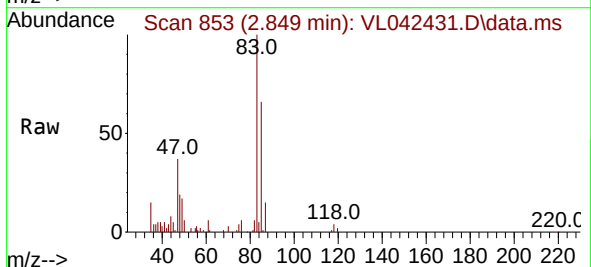
Tgt Ion: 76 Resp: 10027
Ion Ratio Lower Upper
76 100
44 17.7 15.5 23.3
78 9.9 9.3 13.9

Manual Integrations
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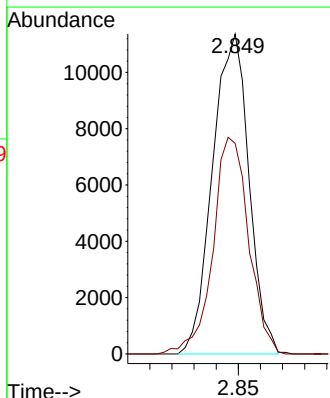
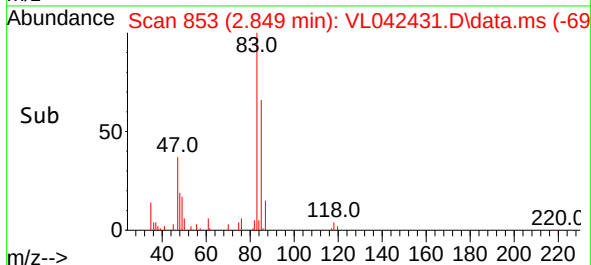
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

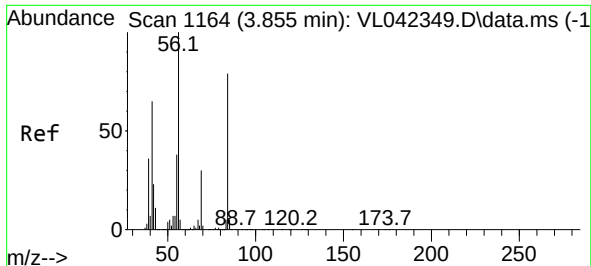


#29
Chloroform
Concen: 0.465 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00



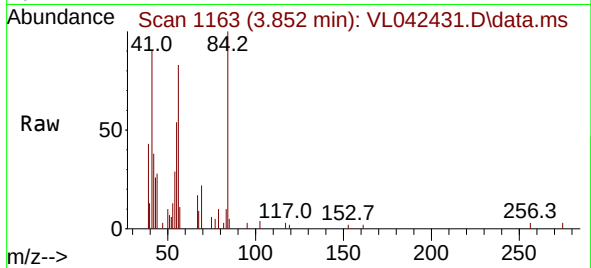
Tgt Ion: 83 Resp: 12986
Ion Ratio Lower Upper
83 100
85 65.1 50.0 75.0





#30
Cyclohexane
Concen: 0.226 ppbv m
RT: 3.852 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

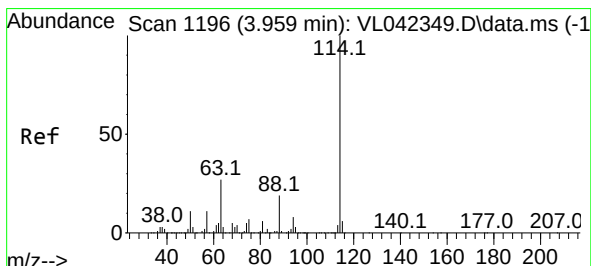
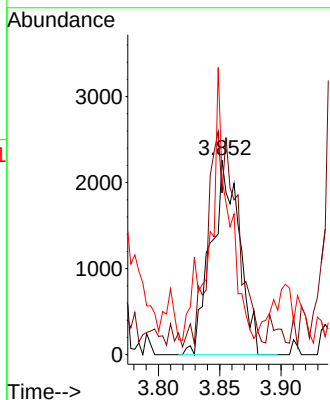
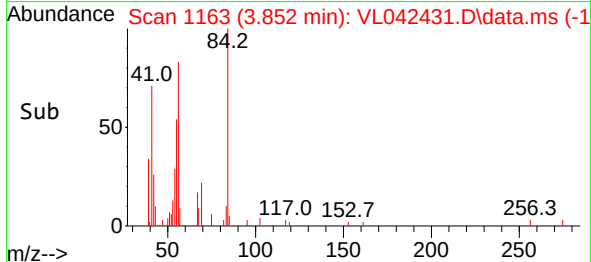
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421



Tgt Ion: 84 Resp: 3609
Ion Ratio Lower Upper
84 100
56 134.9 101.0 151.4
41 83.2 67.4 101.0

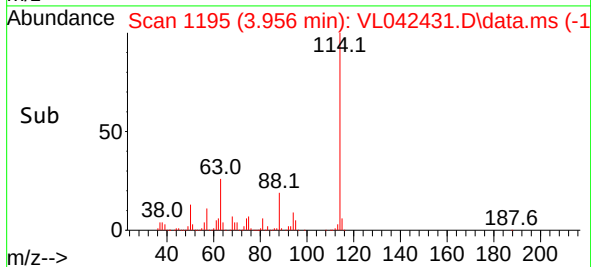
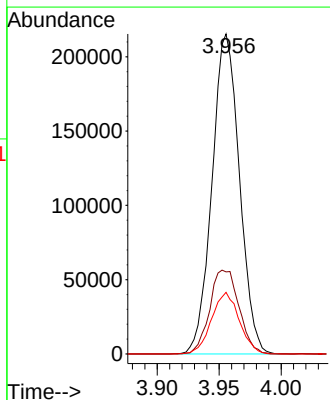
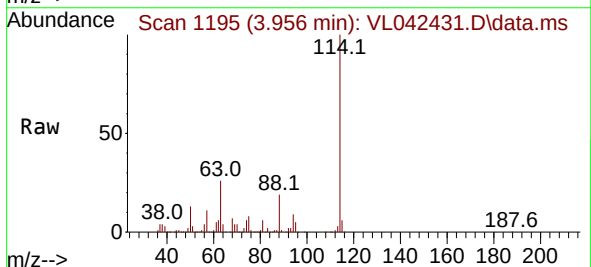
Manual Integrations
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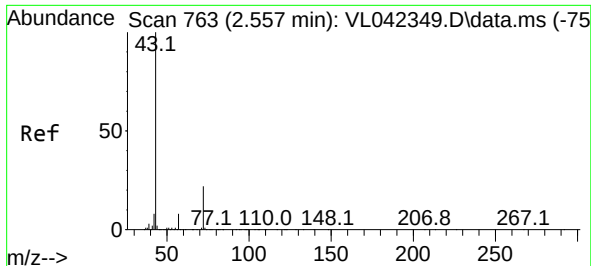
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

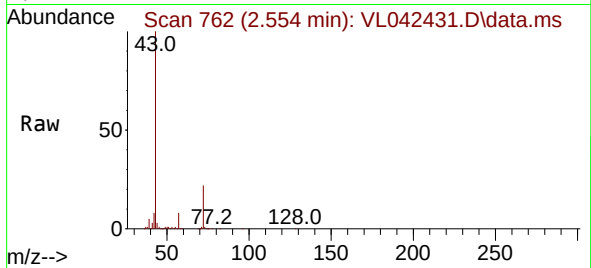
Tgt Ion:114 Resp: 332477
Ion Ratio Lower Upper
114 100
63 28.0 21.8 32.6
88 19.5 15.5 23.3





#34
2-Butanone
Concen: 11.133 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

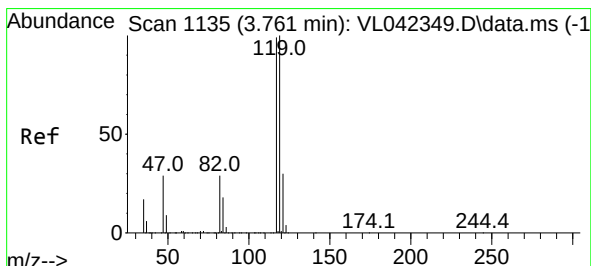
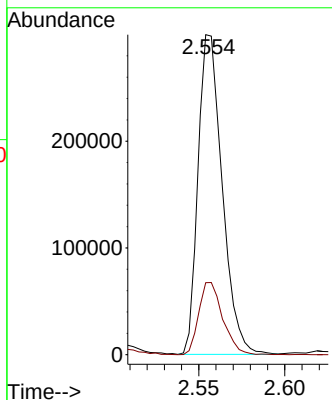
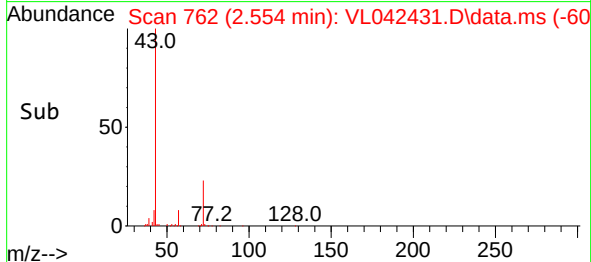
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421



Tgt Ion: 43 Resp: 29272
Ion Ratio Lower Upper
43 100
72 22.5 18.2 27.2

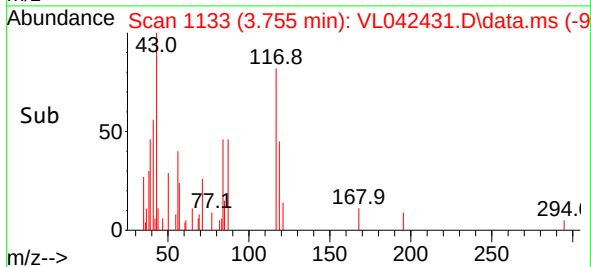
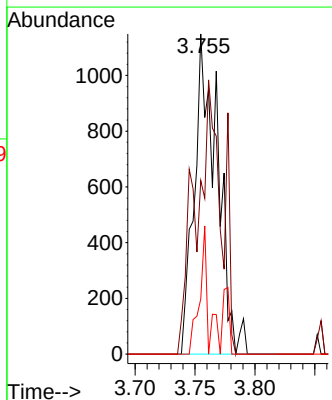
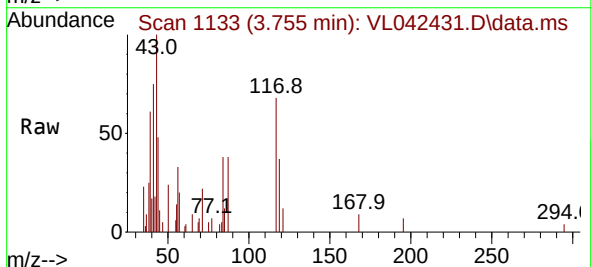
Manual Integrations
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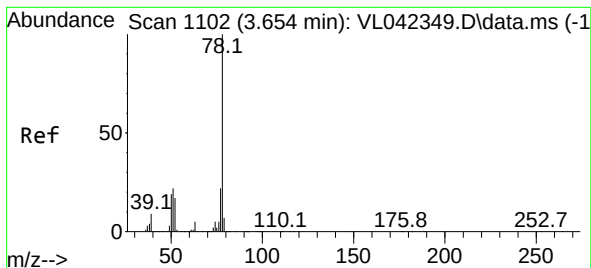
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#35
Carbon Tetrachloride
Concen: 0.051 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:117 Resp: 1542
Ion Ratio Lower Upper
117 100
119 54.2 80.5 120.7#
121 17.2 24.2 36.2#





#36

Benzene

Concen: 0.462 ppbv

RT: 3.655 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VL042431.D

Acq: 28 Apr 2025 18:00

Instrument :

MSVOA_L

ClientSampleId :

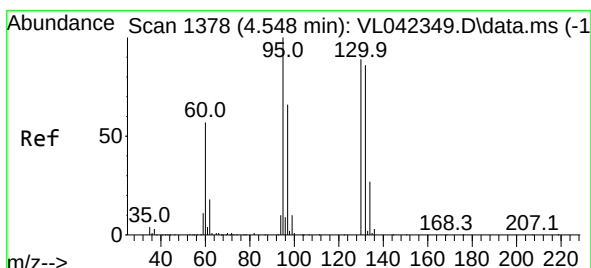
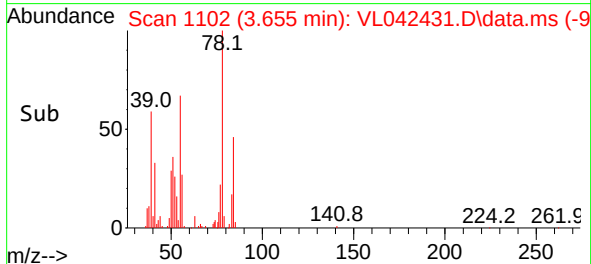
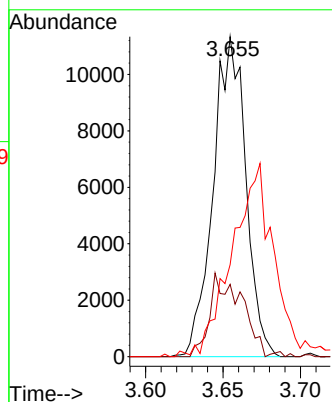
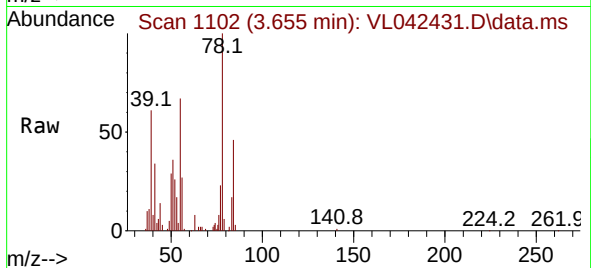
EBR-P11-SC-SS01-20250421

Tgt Ion: 78	Resp: 16570
Ion Ratio	Lower Upper
78 100	
77 22.6	17.4 26.0
50 27.0	15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#38

Trichloroethene

Concen: 0.636 ppbv m

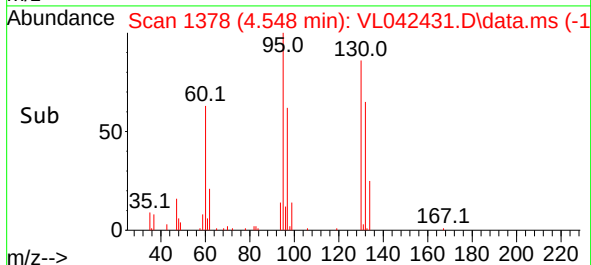
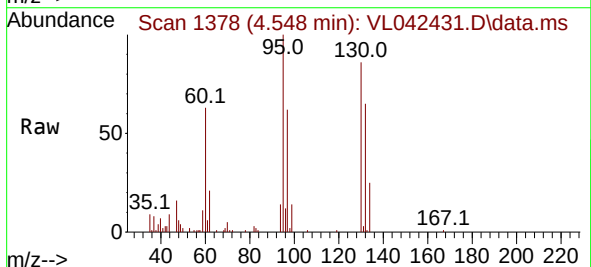
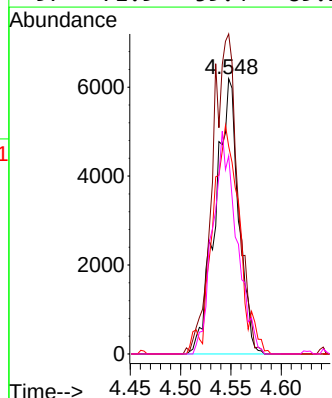
RT: 4.548 min Scan# 1378

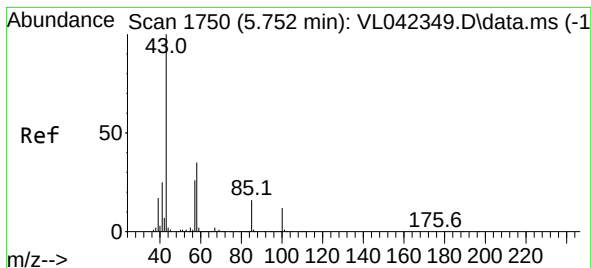
Delta R.T. 0.000 min

Lab File: VL042431.D

Acq: 28 Apr 2025 18:00

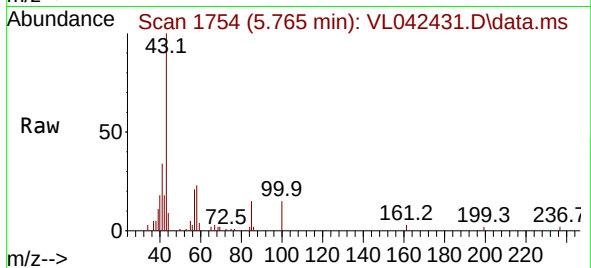
Tgt Ion:130	Resp: 9963
Ion Ratio	Lower Upper
130 100	
95 116.3	89.8 134.6
132 75.5	77.7 116.5
97 71.9	59.4 89.2





#50
4-Methyl-2-Pentanone
Concen: 0.320 ppbv m
RT: 5.765 min Scan# 1754
Delta R.T. 0.013 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

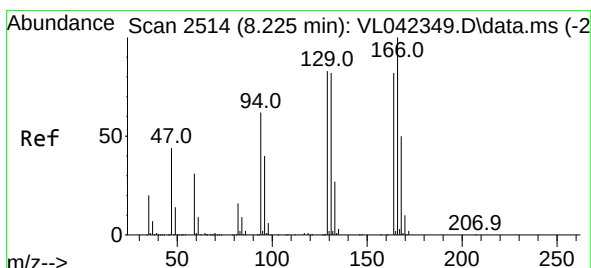
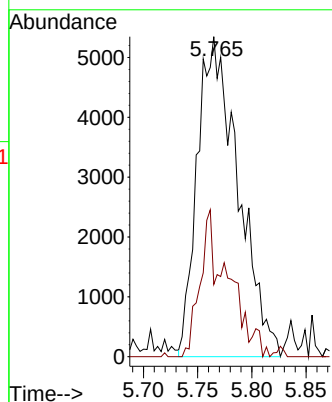
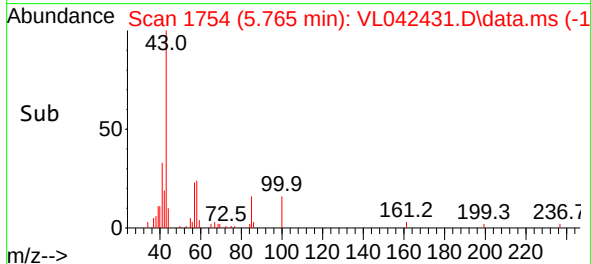
Instrument : MSVOA_L
ClientSampleId : EBR-P11-SC-SS01-20250421



Tgt Ion: 43 Resp: 14004
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0

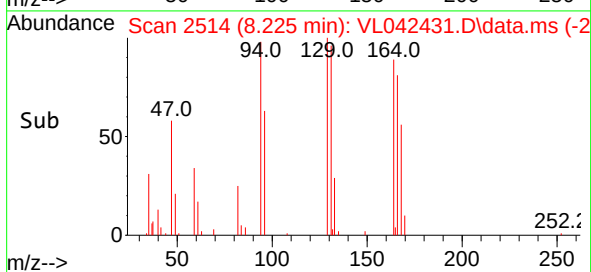
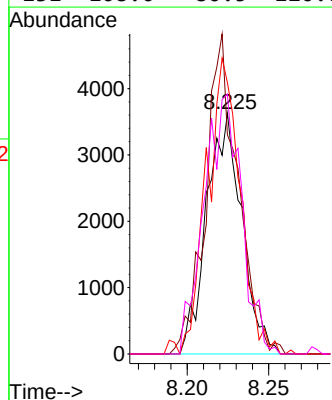
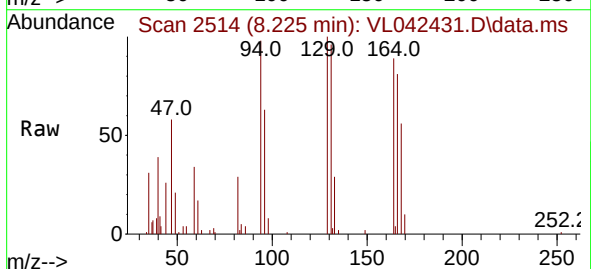
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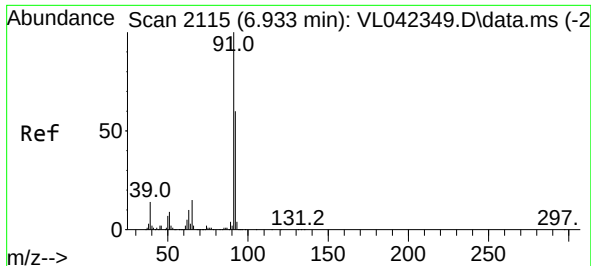
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#52
Tetrachloroethene
Concen: 0.393 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:164 Resp: 5442
Ion Ratio Lower Upper
164 100
166 87.4 98.2 147.2#
129 112.8 81.8 122.8
131 108.0 80.5 120.7





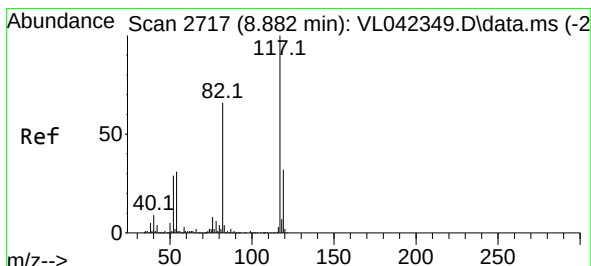
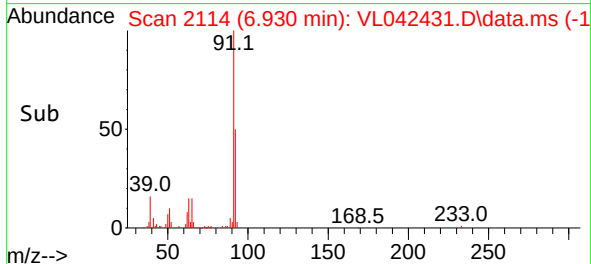
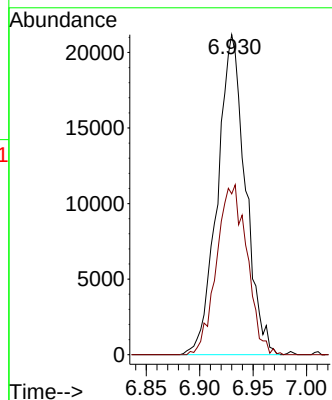
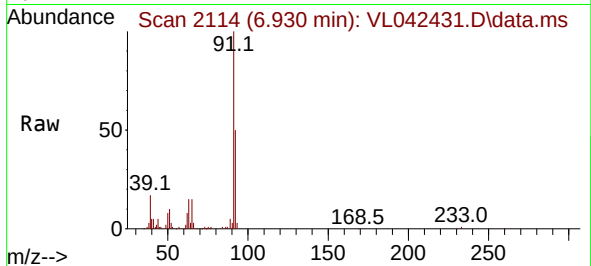
#53
Toluene
Concen: 0.897 ppbv
RT: 6.930 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 91 Resp: 38610
Ion Ratio Lower Upper
91 100
92 57.8 48.2 72.4

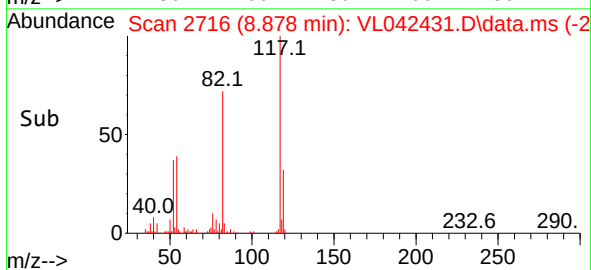
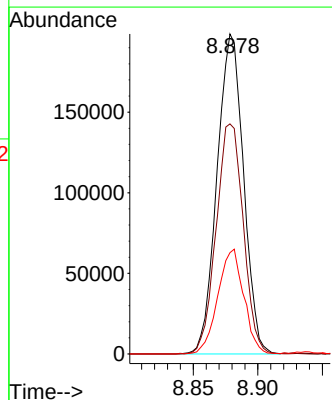
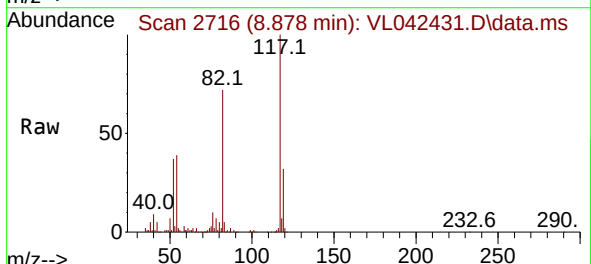
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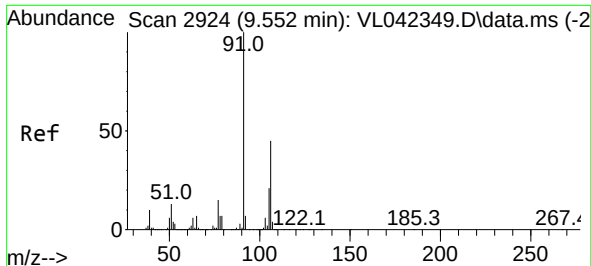
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:117 Resp: 283703
Ion Ratio Lower Upper
117 100
82 73.5 57.8 86.6
119 32.0 25.2 37.8





#59

m/p-Xylene

Concen: 0.410 ppbv m

RT: 9.526 min Scan# 2916

Delta R.T. -0.026 min

Lab File: VL042431.D

Acq: 28 Apr 2025 18:00

Instrument :

MSVOA_L

ClientSampleId :

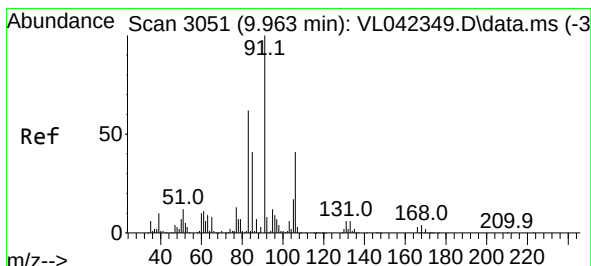
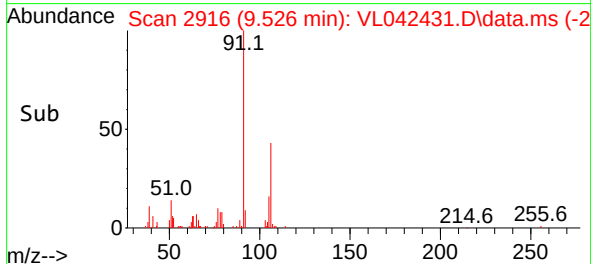
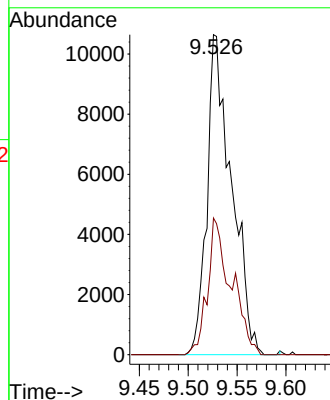
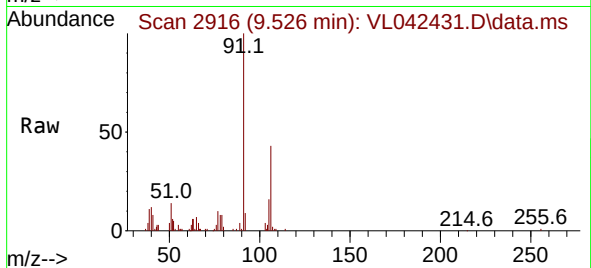
EBR-P11-SC-SS01-20250421

Tgt Ion: 91 Resp: 1855
 Ion Ratio Lower Upper
 91 100
 106 0.0 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#60

o-Xylene

Concen: 0.157 ppbv m

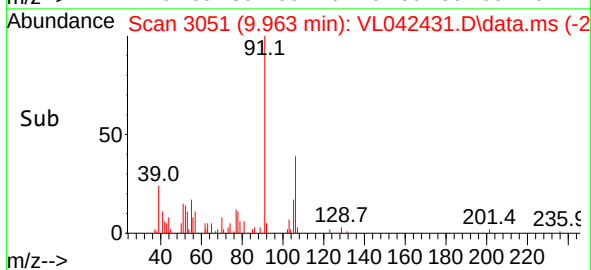
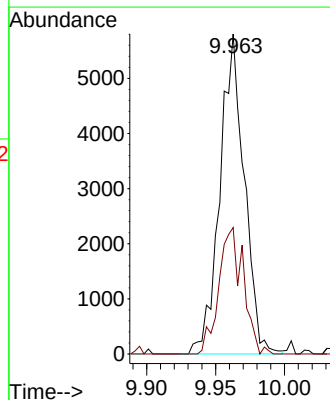
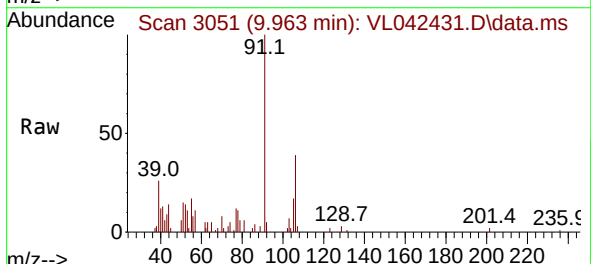
RT: 9.963 min Scan# 3051

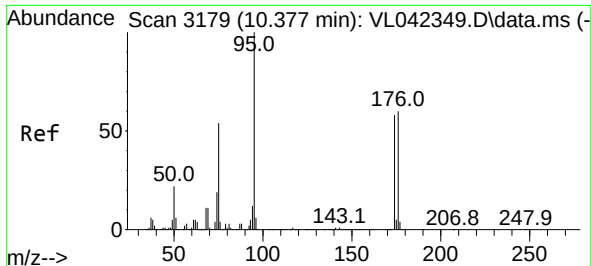
Delta R.T. 0.000 min

Lab File: VL042431.D

Acq: 28 Apr 2025 18:00

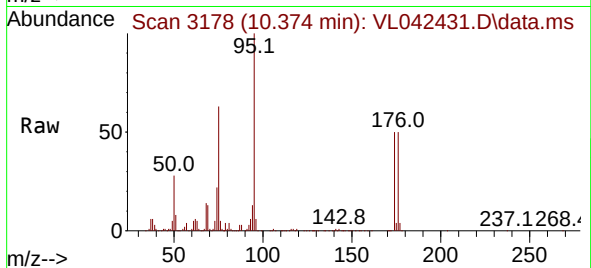
Tgt Ion: 91 Resp: 7155
 Ion Ratio Lower Upper
 91 100
 106 39.7 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.916 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

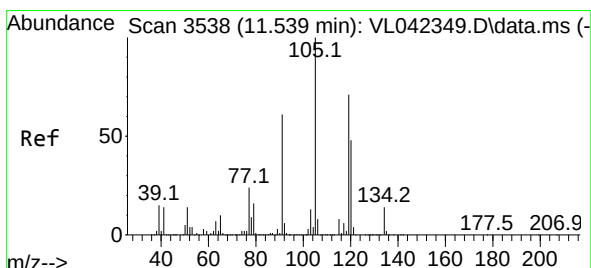
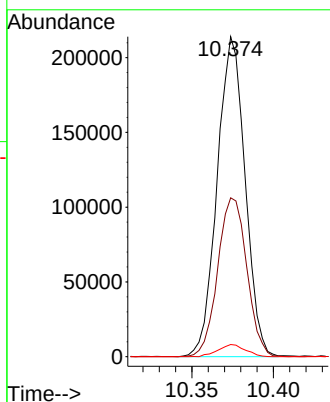
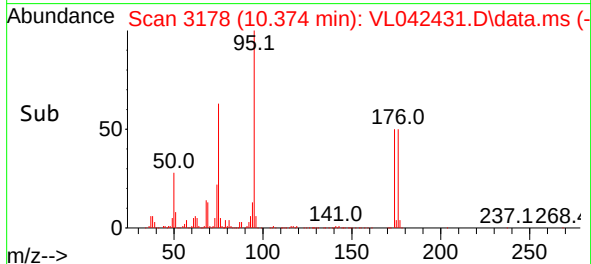
Instrument : MSVOA_L
ClientSampleId : EBR-P11-SC-SS01-20250421



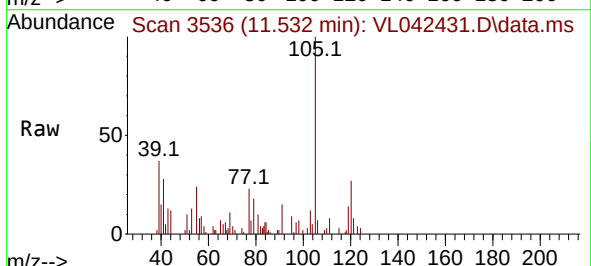
Tgt Ion: 95 Resp: 254492
Ion Ratio Lower Upper
95 100
174 51.7 48.5 72.7
175 3.7 3.7 5.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.104 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00



Tgt Ion:105 Resp: 5983
Ion Ratio Lower Upper
105 100
120 27.4 38.1 57.1#
91 15.1 48.8 73.2#
77 20.0 19.0 28.4

