

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042448.D
 Acq On : 29 Apr 2025 15:58
 Operator : SY/MD
 Sample : Q1880-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P16-SC-SS01-20250422

Quant Time: Apr 30 01:22:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.794	49	114087	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	307114	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.892	117	268915	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	239688	10.847	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.500%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.502	85	9930m	0.493	ppbv	
3) Chlorodifluoromethane	1.480	51	3965m	0.207	ppbv	
9) Propene	1.489	41	11421	1.307	ppbv	84
11) Trichlorofluoromethane	1.881	101	4348	0.227	ppbv	93
13) Ethanol	1.722	45	257788	185.543	ppbv	76
15) Acetone	1.839	43	352540	18.876	ppbv	99
17) tert-Butyl alcohol	2.046	59	68971	2.980	ppbv	98
19) Isopropyl Alcohol	1.891	45	94932	9.150	ppbv #	7
20) Methylene Chloride	2.066	84	2278	0.311	ppbv #	50
26) Hexane	2.833	57	2509	0.135	ppbv #	88
34) 2-Butanone	2.567	43	50884	2.095	ppbv	99
35) Carbon Tetrachloride	3.775	117	1775m	0.064	ppbv	
36) Benzene	3.671	78	5082m	0.153	ppbv	
41) Tetrahydrofuran	3.072	42	6063m	0.428	ppbv	
52) Tetrachloroethene	8.228	164	438	0.034	ppbv #	48
53) Toluene	6.953	91	6920m	0.174	ppbv	
59) m/p-Xylene	9.545	91	9556m	0.223	ppbv	

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

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ALS Vial : 10 Sample Multiplier: 1

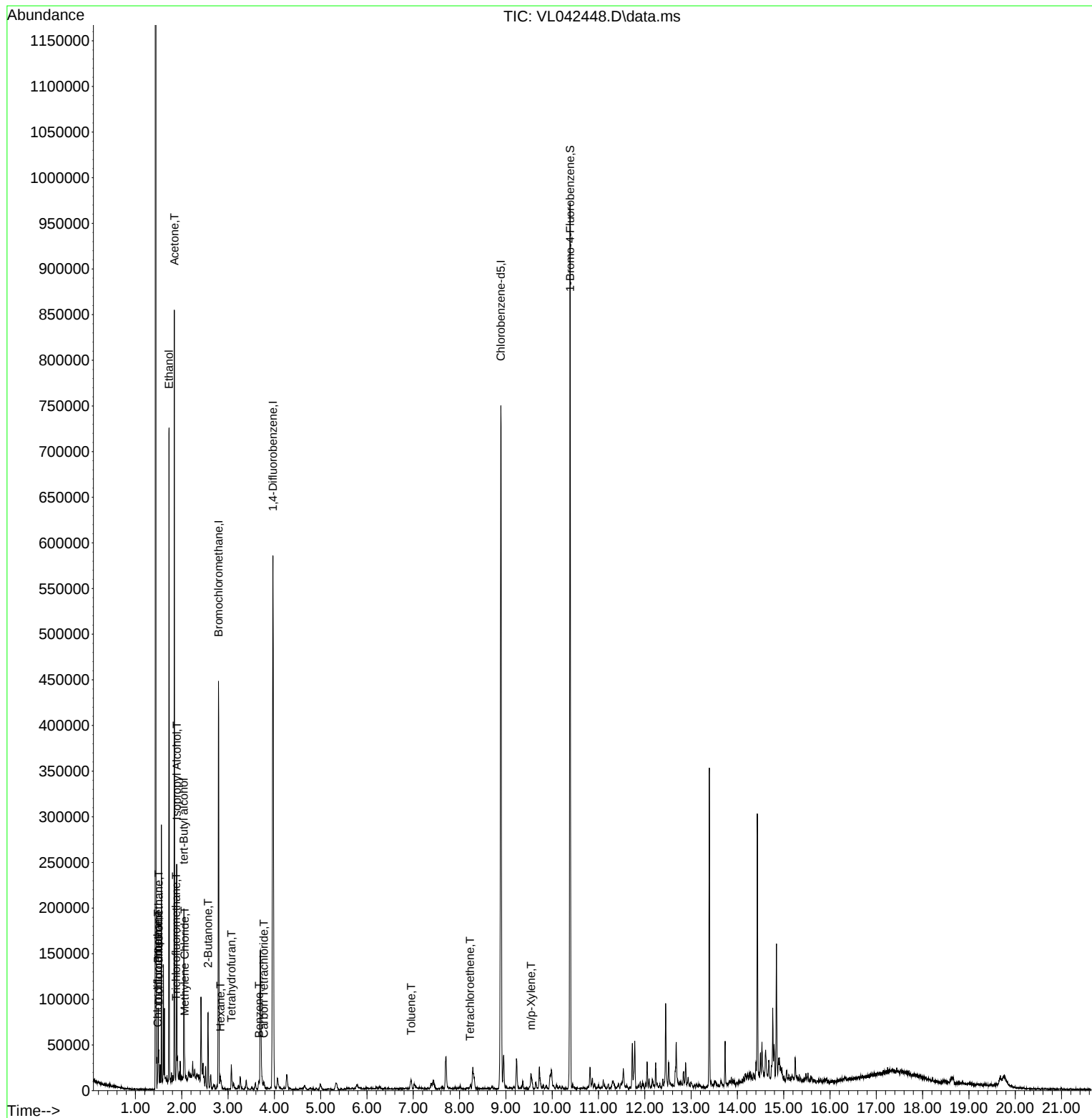
Instrument :
MSVOA_L

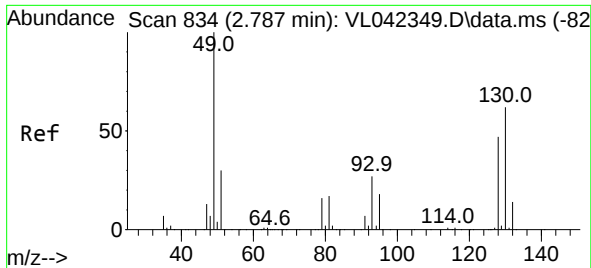
ClientSampleId :
EBR-P16-SC-SS01-20250422

Quant Time: Apr 30 01:22:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Manual Integrations

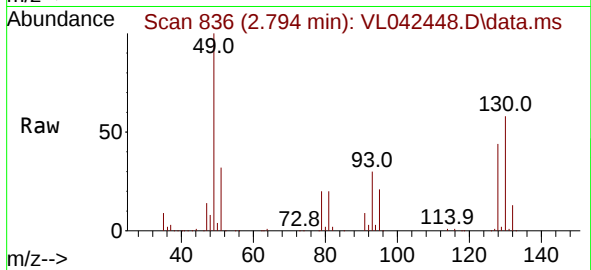
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.794 min Scan# 81
 Delta R.T. 0.007 min
 Lab File: VL042448.D
 Acq: 29 Apr 2025 15:58

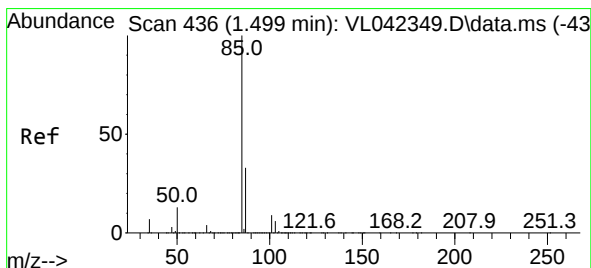
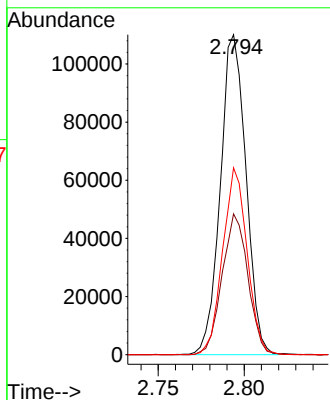
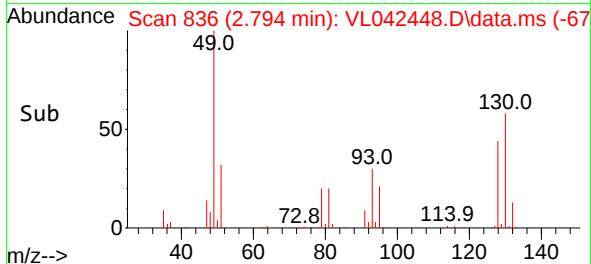
Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P16-SC-SS01-20250422



Tgt Ion: 49 Resp: 11408
 Ion Ratio Lower Upper
 49 100
 128 44.3 22.8 68.4
 130 55.7 29.3 88.0

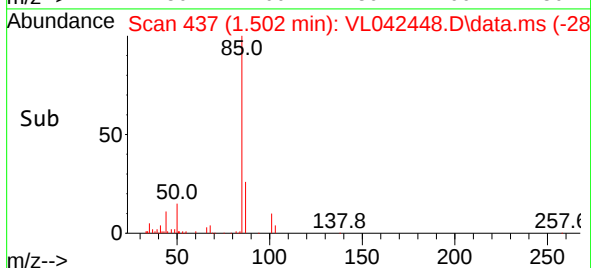
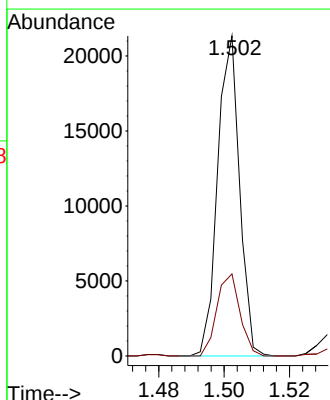
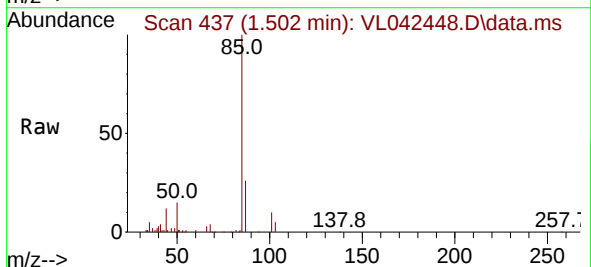
Manual Integrations
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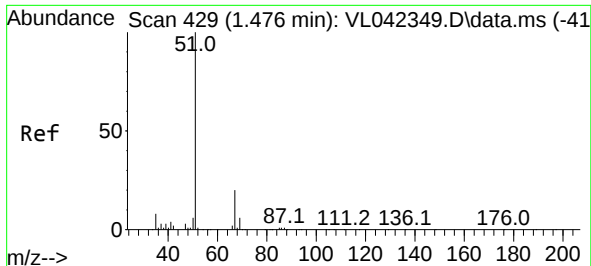
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#2
 Dichlorodifluoromethane
 Concen: 0.493 ppbv m
 RT: 1.502 min Scan# 437
 Delta R.T. 0.004 min
 Lab File: VL042448.D
 Acq: 29 Apr 2025 15:58

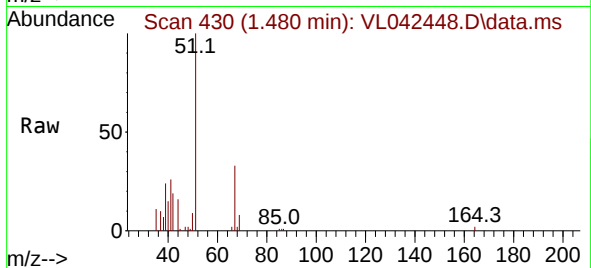
Tgt Ion: 85 Resp: 9930
 Ion Ratio Lower Upper
 85 100
 87 25.6 26.6 39.8#





#3
Chlorodifluoromethane
Concen: 0.207 ppbv m
RT: 1.480 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

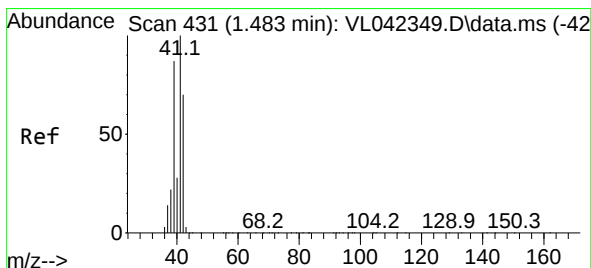
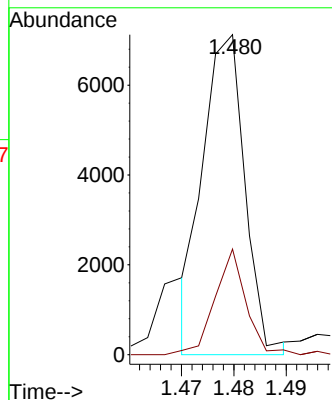
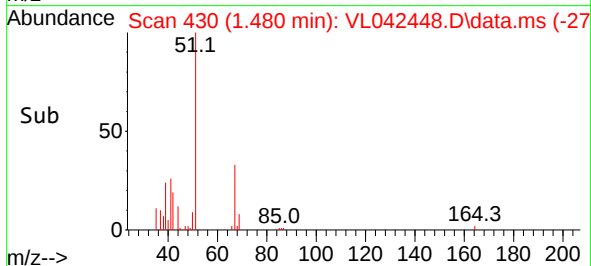
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422



Tgt Ion: 51 Resp: 396
Ion Ratio Lower Upper
51 100
67 24.8 16.2 24.4

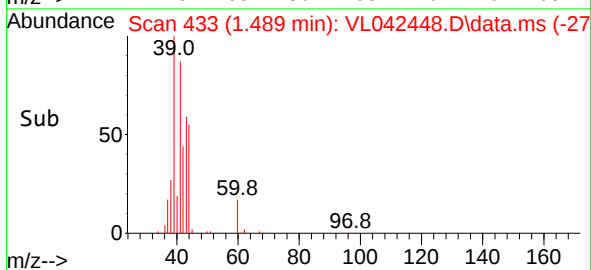
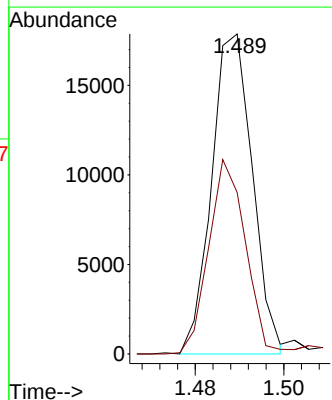
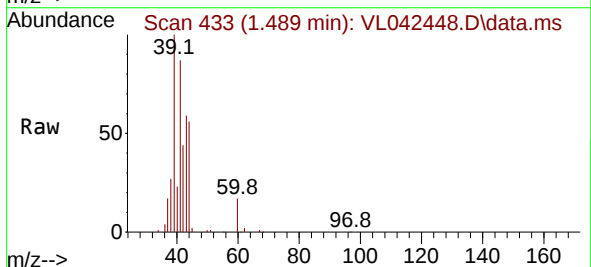
Manual Integrations
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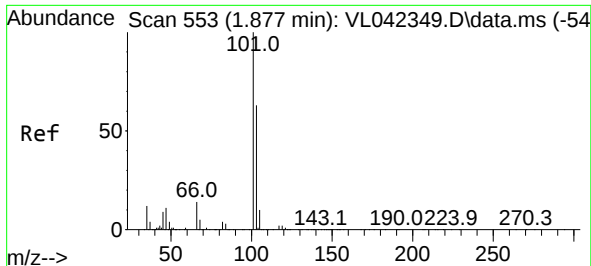
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#9
Propene
Concen: 1.307 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

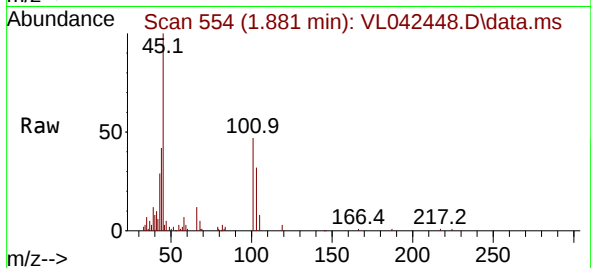
Tgt Ion: 41 Resp: 11421
Ion Ratio Lower Upper
41 100
42 57.0 56.2 84.4





#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 1.881 min Scan# 505
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

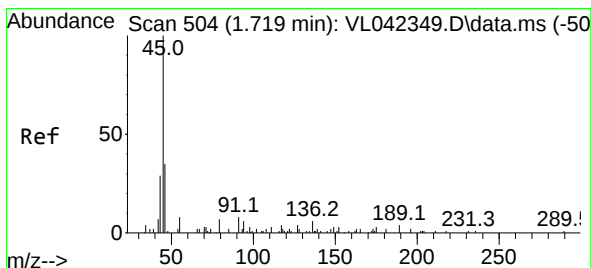
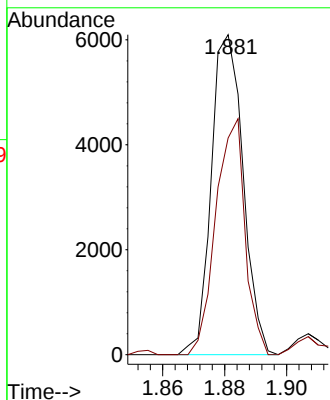
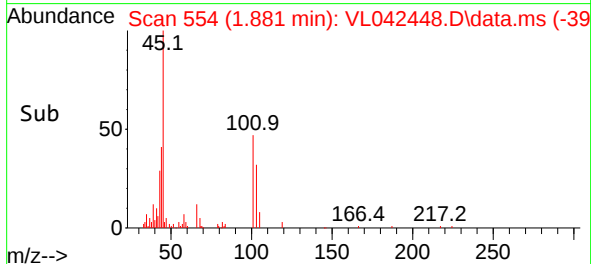
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422



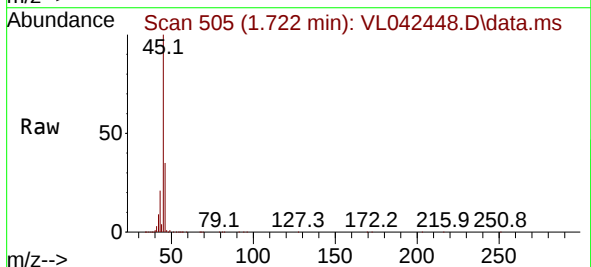
Tgt Ion:101 Resp: 4348
Ion Ratio Lower Upper
101 100
103 67.7 50.1 75.1

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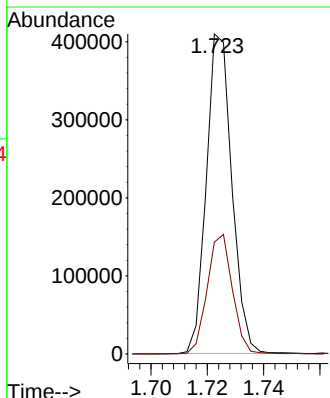
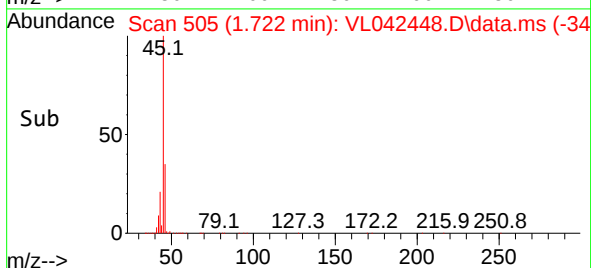
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

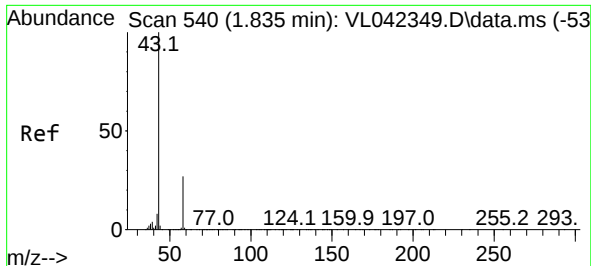


#13
Ethanol
Concen: 185.543 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58



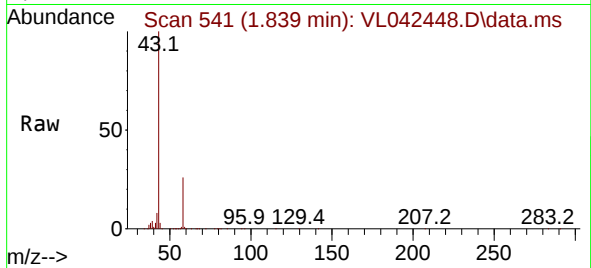
Tgt Ion: 45 Resp: 257788
Ion Ratio Lower Upper
45 100
46 37.3 21.9 87.7





#15
Acetone
Concen: 18.876 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

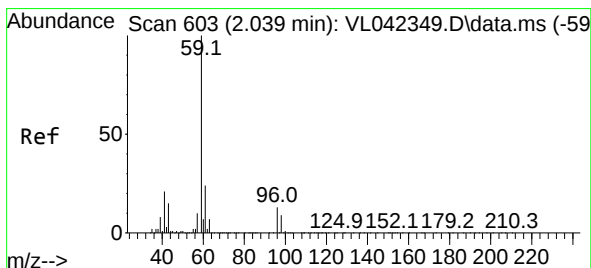
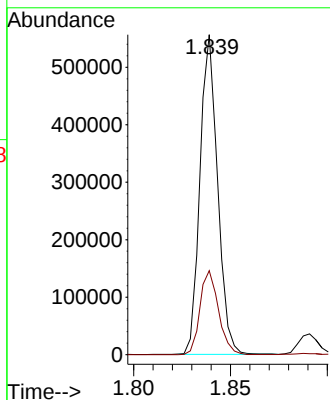
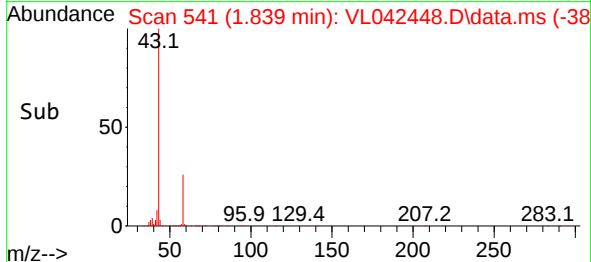
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422



Tgt Ion: 43 Resp: 352540
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6

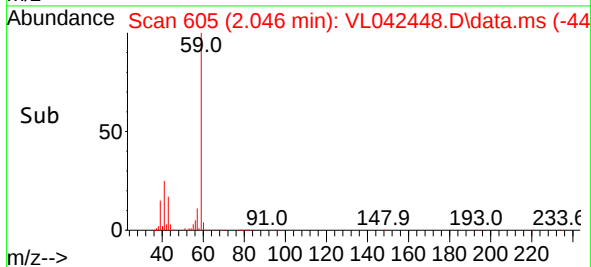
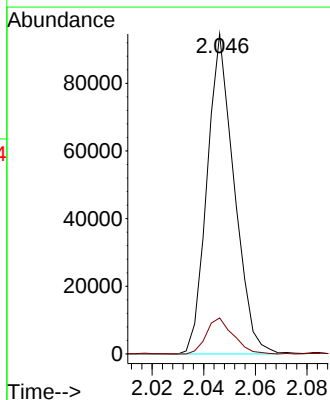
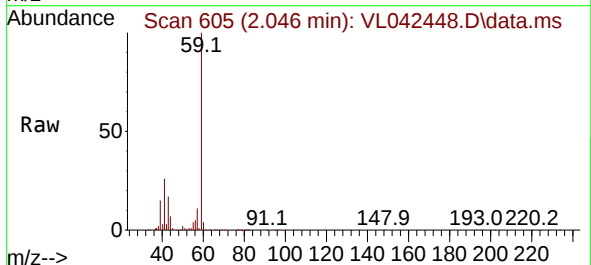
Manual Integrations
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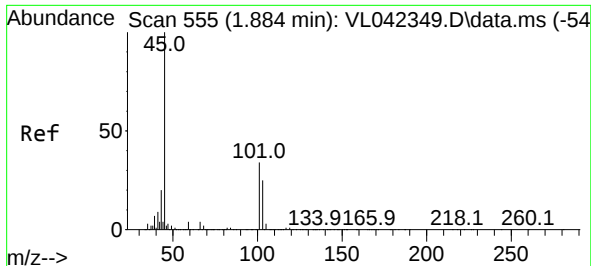
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#17
tert-Butyl alcohol
Concen: 2.980 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

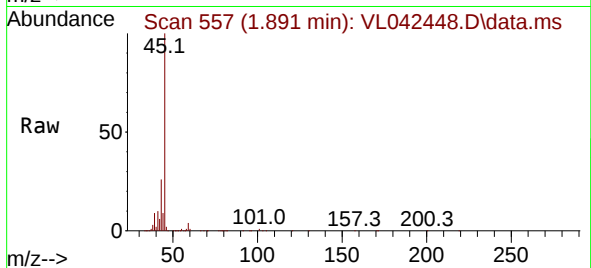
Tgt Ion: 59 Resp: 68971
Ion Ratio Lower Upper
59 100
57 11.5 8.7 13.1





#19
Isopropyl Alcohol
Concen: 9.150 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

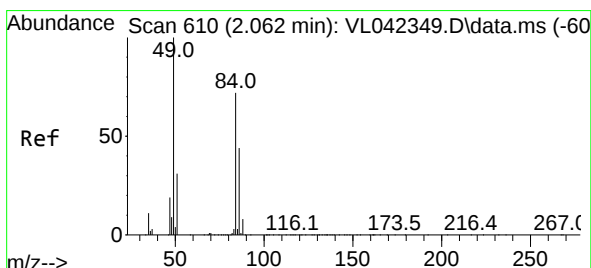
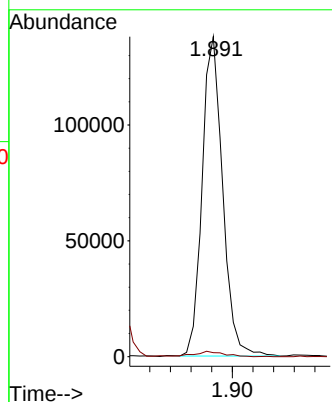
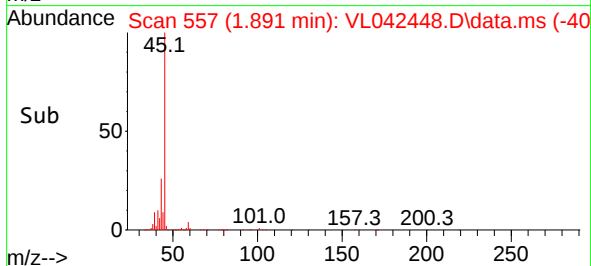
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-SS01-20250422



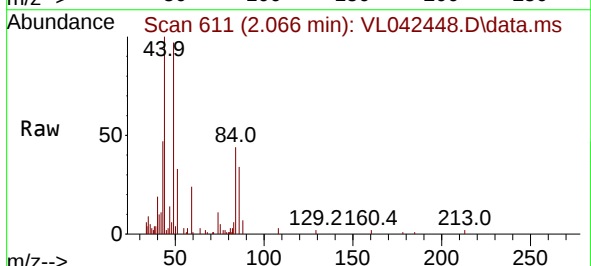
Tgt Ion: 45 Resp: 94932
Ion Ratio Lower Upper
45 100
58 102.7 34.5 51.7

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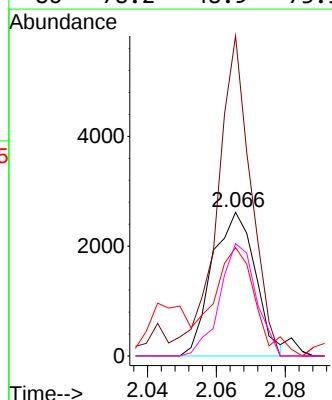
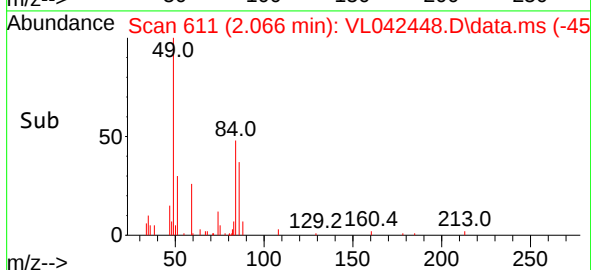
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

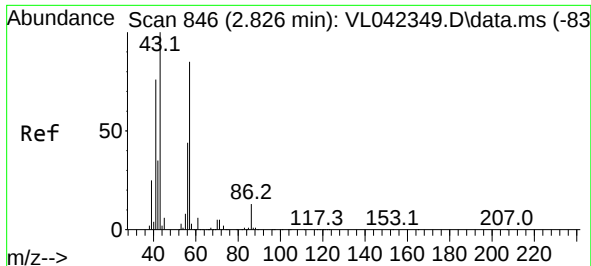


#20
Methylene Chloride
Concen: 0.311 ppbv
RT: 2.066 min Scan# 611
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58



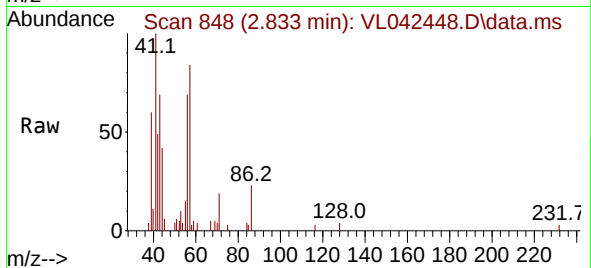
Tgt Ion: 84 Resp: 2278
Ion Ratio Lower Upper
84 100
49 222.7 111.6 167.4#
51 61.9 35.1 52.7#
86 78.2 48.9 73.3#





#26
Hexane
Concen: 0.135 ppbv
RT: 2.833 min Scan# 846
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

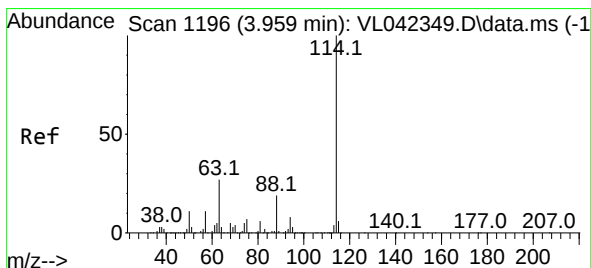
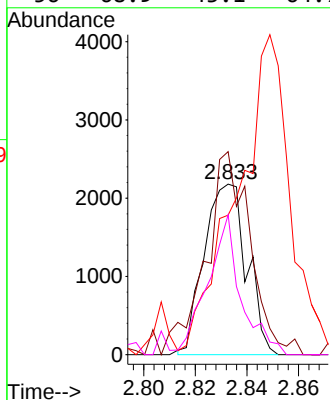
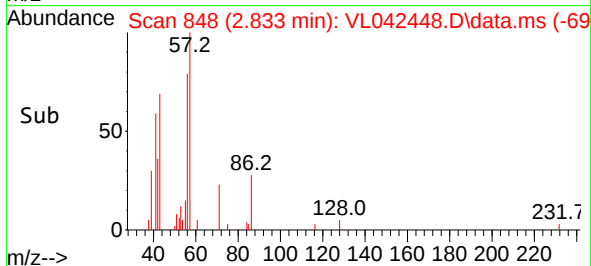
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422



Tgt Ion: 57 Resp: 2509
Ion Ratio Lower Upper
57 100
41 127.1 77.9 116.9
43 265.2 208.4 312.6
56 68.9 43.1 64.7#

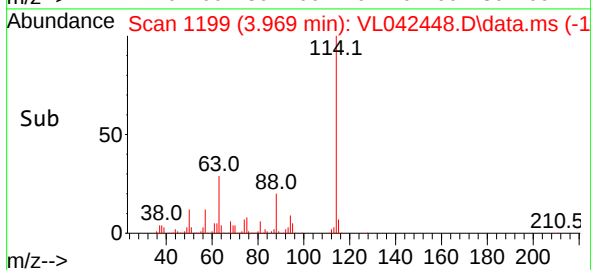
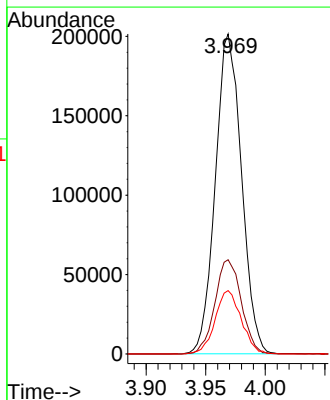
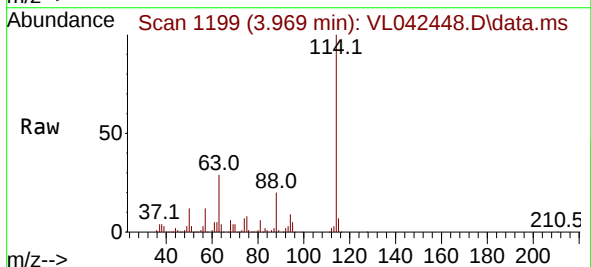
Manual Integrations
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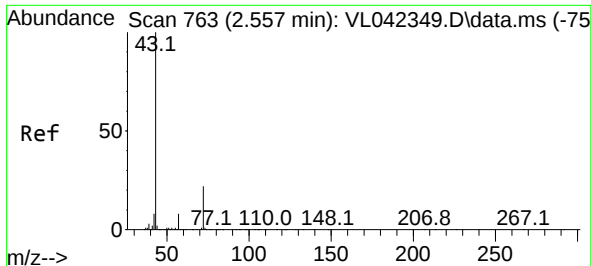
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

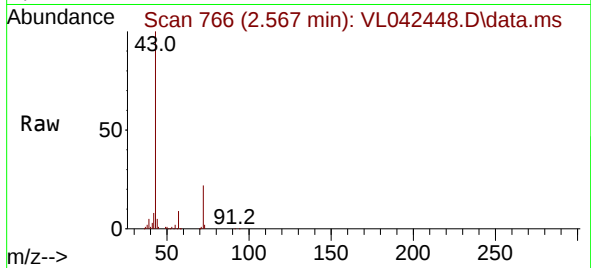
Tgt Ion:114 Resp: 307114
Ion Ratio Lower Upper
114 100
63 29.9 21.8 32.6
88 19.8 15.5 23.3





#34
2-Butanone
Concen: 2.095 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

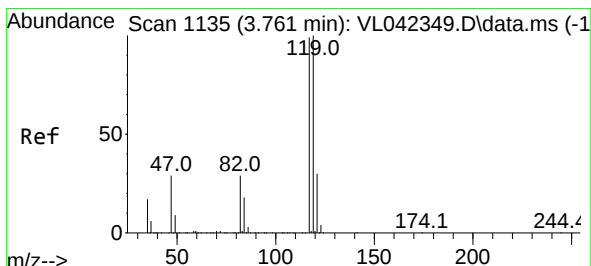
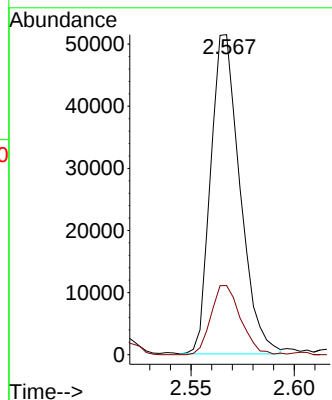
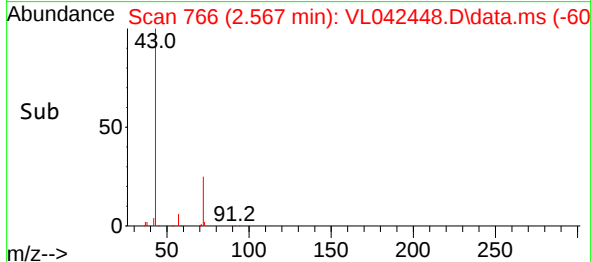
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-SS01-20250422



Tgt Ion: 43 Resp: 50884
Ion Ratio Lower Upper
43 100
72 22.3 18.2 27.2

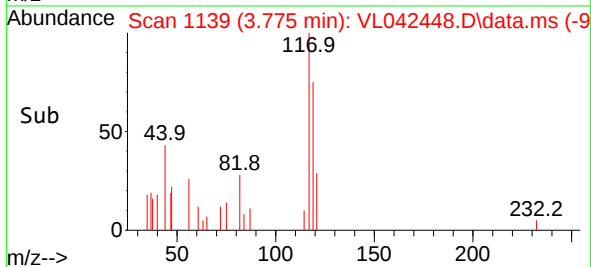
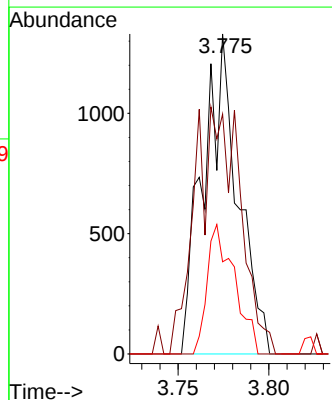
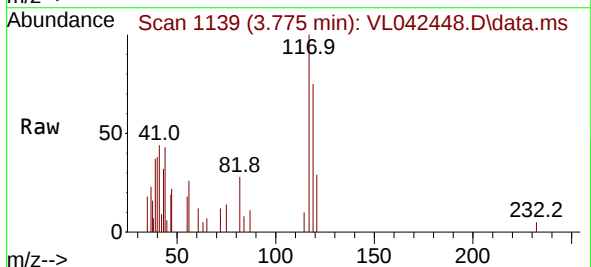
Manual Integrations
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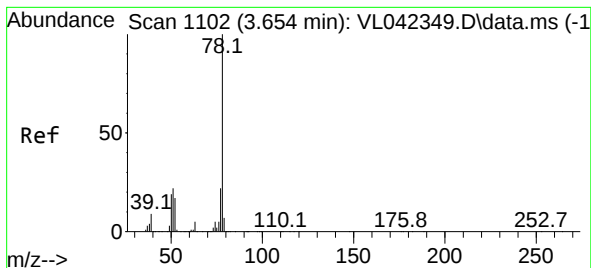
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 3.775 min Scan# 1139
Delta R.T. 0.013 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion:117 Resp: 1775
Ion Ratio Lower Upper
117 100
119 75.0 80.5 120.7#
121 28.8 24.2 36.2





#36

Benzene

Concen: 0.153 ppbv m

RT: 3.671 min Scan# 1107

Delta R.T. 0.017 min

Lab File: VL042448.D

Acq: 29 Apr 2025 15:58

Instrument :

MSVOA_L

ClientSampleId :

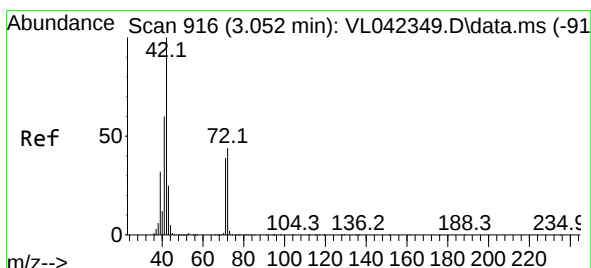
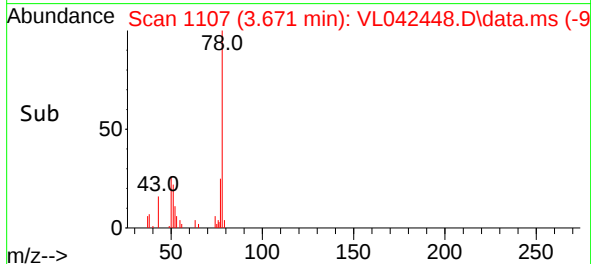
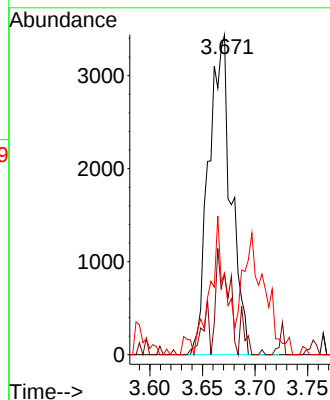
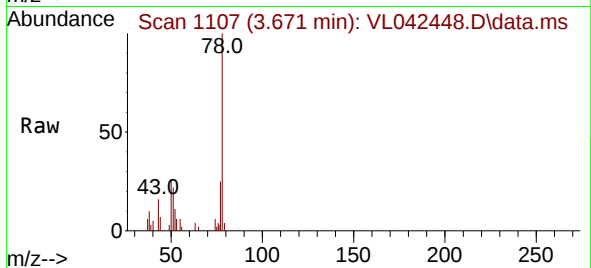
EBR-P16-SC-SS01-20250422

Tgt Ion: 78	Resp: 508
Ion Ratio	Lower Upper
78 100	
77 25.2	17.4 26.0
50 25.5	15.5 23.3

Manual Integrations

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



#41

Tetrahydrofuran

Concen: 0.428 ppbv m

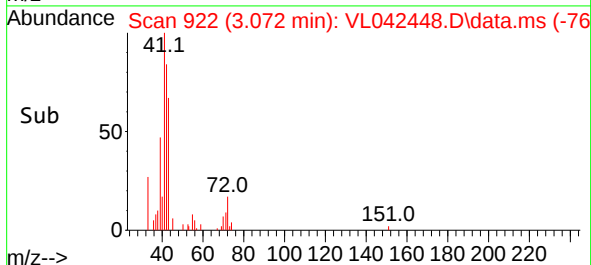
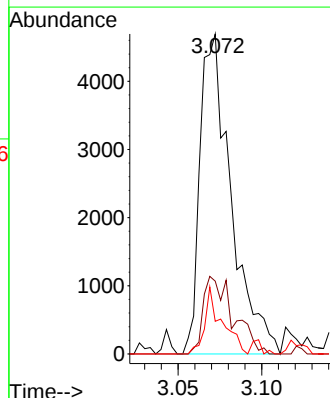
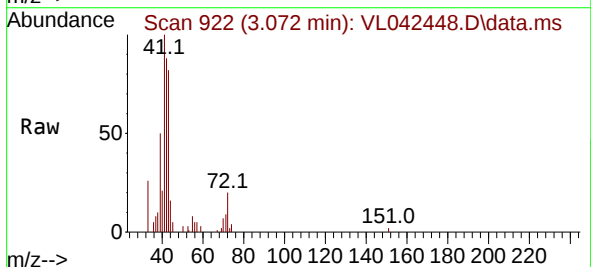
RT: 3.072 min Scan# 922

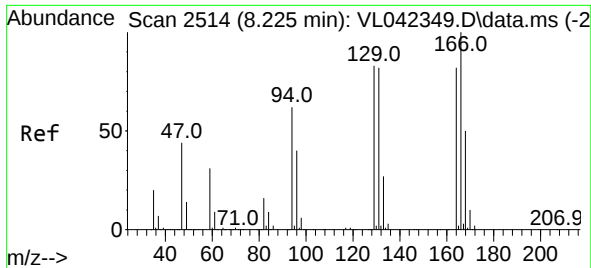
Delta R.T. 0.020 min

Lab File: VL042448.D

Acq: 29 Apr 2025 15:58

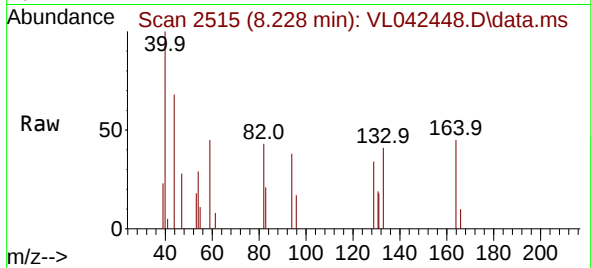
Tgt Ion: 42	Resp: 6063
Ion Ratio	Lower Upper
42 100	
72 23.5	32.3 48.5#
71 12.9	31.4 47.2#





#52
Tetrachloroethene
Concen: 0.034 ppbv
RT: 8.228 min Scan# 2115
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

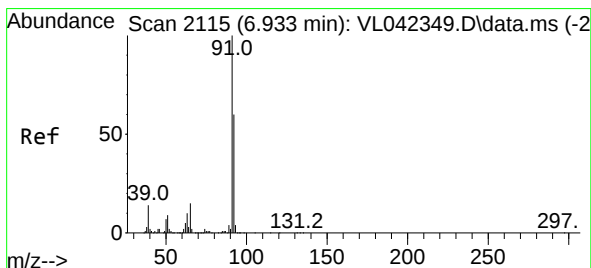
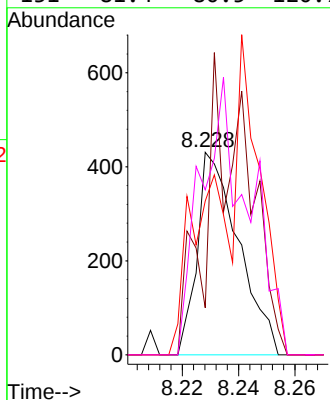
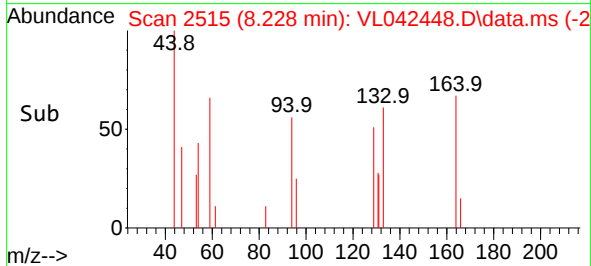
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-SS01-20250422



Tgt Ion:164 Resp: 438
Ion Ratio Lower Upper
164 100
166 23.2 98.2 147.2
129 60.6 81.8 122.8
131 81.4 80.5 120.7

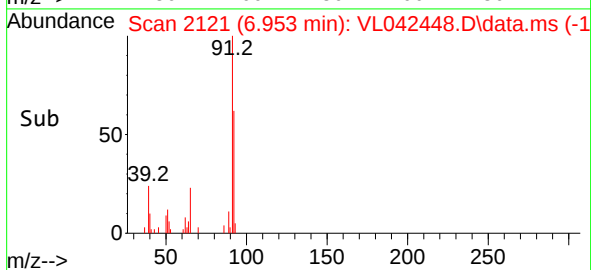
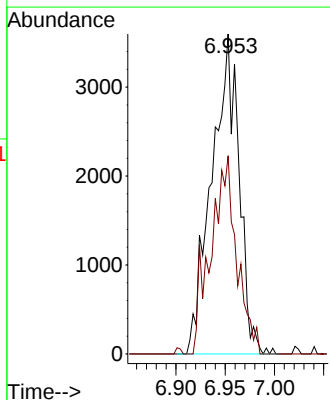
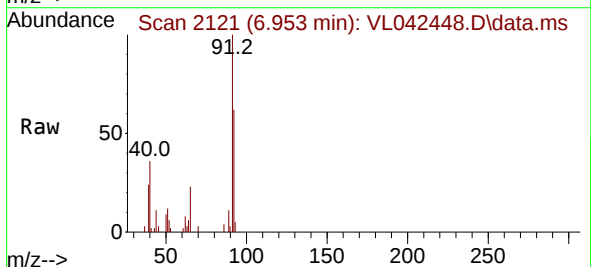
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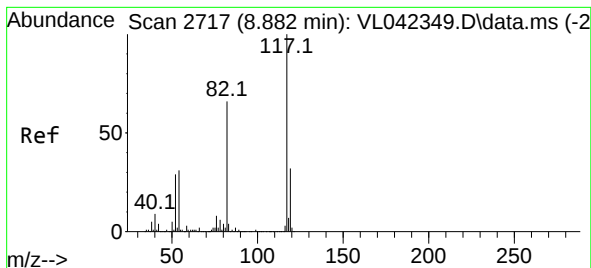
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#53
Toluene
Concen: 0.174 ppbv m
RT: 6.953 min Scan# 2121
Delta R.T. 0.020 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 91 Resp: 6920
Ion Ratio Lower Upper
91 100
92 59.5 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.892 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042448.D

Acq: 29 Apr 2025 15:58

Instrument :

MSVOA_L

ClientSampleId :

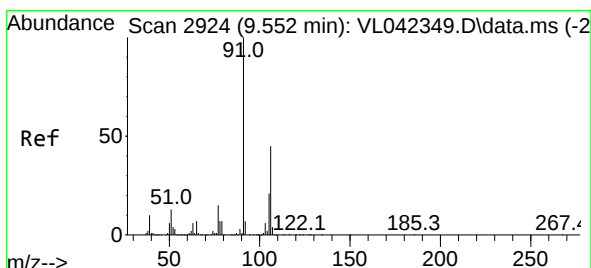
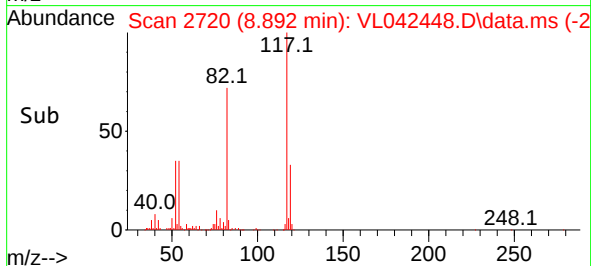
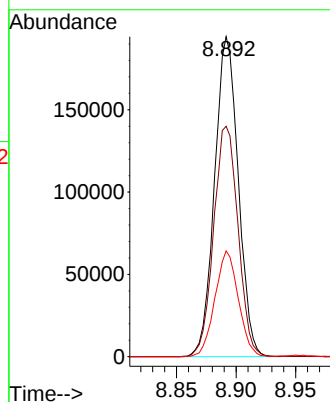
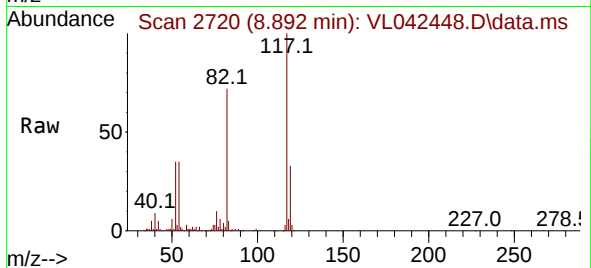
EBR-P16-SC-SS01-20250422

Tgt Ion:117	Resp: 26891
Ion Ratio	Lower Upper
117 100	
82 74.1	57.8 86.6
119 32.7	25.2 37.8

Manual Integrations

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



#59

m/p-Xylene

Concen: 0.223 ppbv m

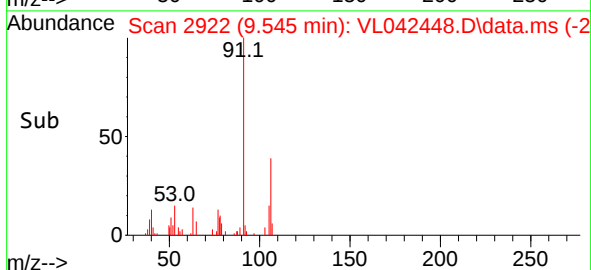
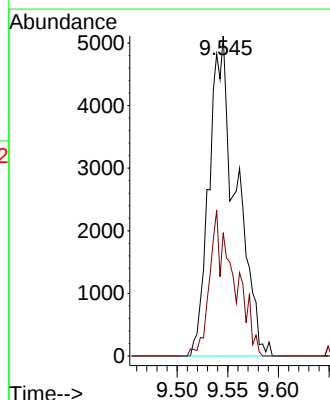
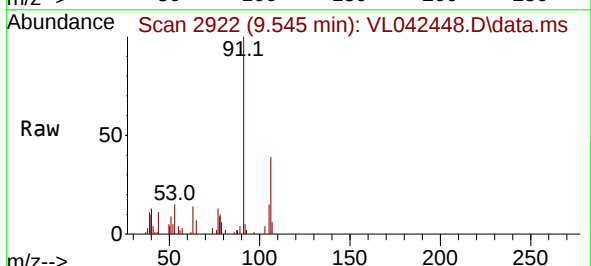
RT: 9.545 min Scan# 2922

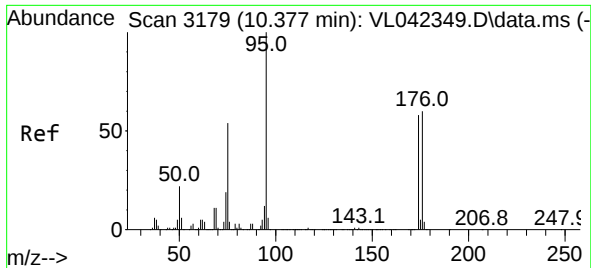
Delta R.T. -0.006 min

Lab File: VL042448.D

Acq: 29 Apr 2025 15:58

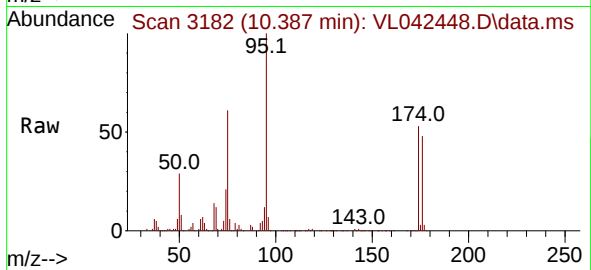
Tgt Ion: 91	Resp: 9556
Ion Ratio	Lower Upper
91 100	
106 0.0	35.4 53.2#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.847 ppbv
 RT: 10.387 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VL042448.D
 Acq: 29 Apr 2025 15:58

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P16-SC-SS01-20250422



Tgt Ion: 95 Resp: 239688
 Ion Ratio Lower Upper
 95 100
 174 52.2 48.5 72.7
 175 3.7 3.7 5.5

Manual Integrations
 APPROVED

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

