

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042439.D
 Acq On : 29 Apr 2025 10:59
 Operator : SY/MD
 Sample : Q1880-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P08-SC-SS01-20250421

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 01:18:11 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

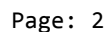
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

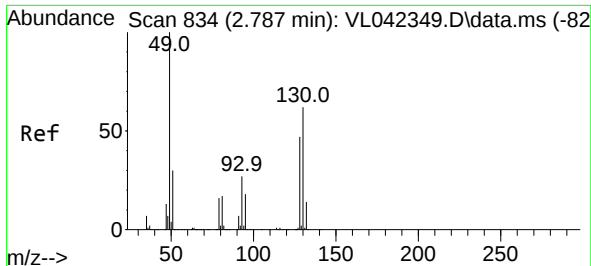
Internal Standards						
1) Bromochloromethane	2.793	49	129626	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	347550	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	293308	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	256098	10.625	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	11170	0.488	ppbv	95
3) Chlorodifluoromethane	1.473	51	3915m	0.180	ppbv	
11) Trichlorofluoromethane	1.881	101	5748m	0.264	ppbv	
13) Ethanol	1.725	45	58438	37.019	ppbv	76
15) Acetone	1.838	43	290876	13.708	ppbv	99
17) tert-Butyl alcohol	2.046	59	19996	0.760	ppbv	97
19) Isopropyl Alcohol	1.890	45	26482	2.247	ppbv #	1
20) Methylene Chloride	2.068	84	3227	0.388	ppbv	85
23) Vinyl Acetate	2.460	43	20250	2.358	ppbv #	86
26) Hexane	2.832	57	4209m	0.199	ppbv	
32) 1,1,1-Trichloroethane	3.376	97	15446	0.458	ppbv	91
34) 2-Butanone	2.567	43	35126	1.278	ppbv	97
35) Carbon Tetrachloride	3.771	117	1766m	0.056	ppbv	
52) Tetrachloroethene	8.234	164	9248m	0.638	ppbv	
53) Toluene	6.936	91	6673m	0.148	ppbv	
59) m/p-Xylene	9.532	91	10973m	0.234	ppbv	
60) o-Xylene	9.966	91	4784	0.101	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	19318	0.325	ppbv #	63

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

Manual Integrations

Quant Time: Apr 30 01:18:11 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.793 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042439.D

Acq: 29 Apr 2025 10:59

Instrument :

MSVOA_L

ClientSampleId :

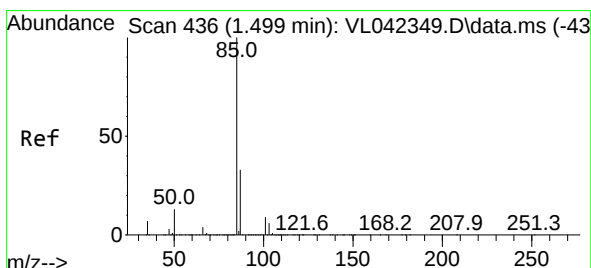
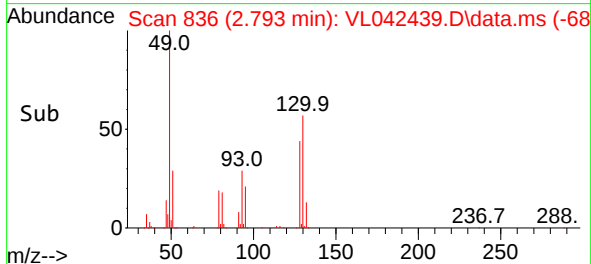
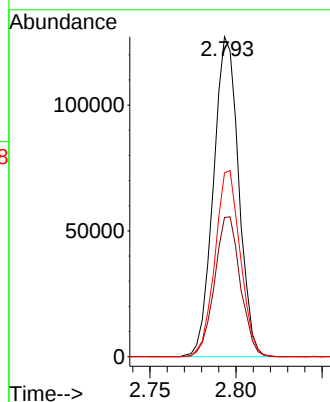
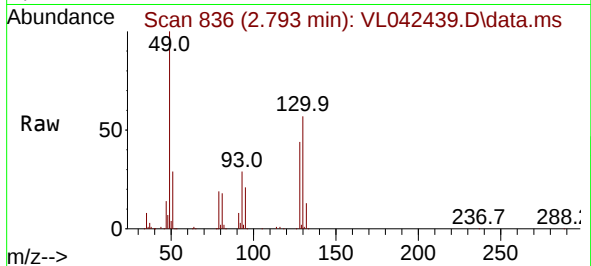
EBR-P08-SC-SS01-20250421

Tgt Ion:	49	Resp:	129620
Ion Ratio	Lower	Upper	
49	100		
128	44.7	22.8	68.4
130	58.4	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: 0.488 ppbv

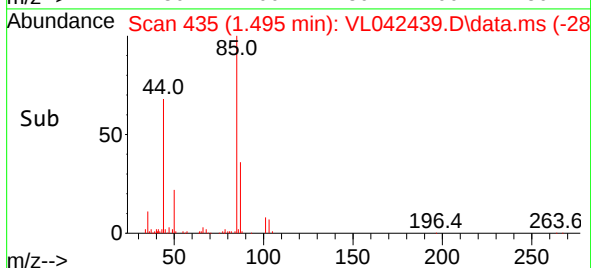
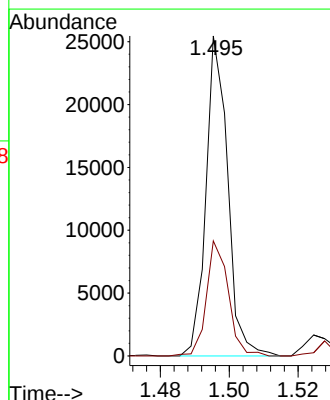
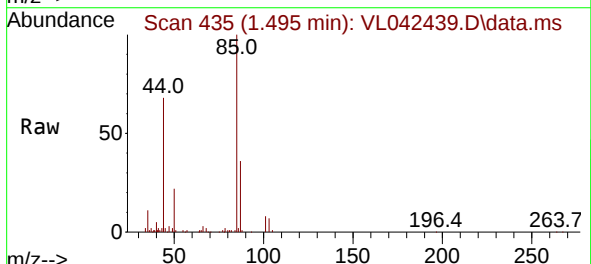
RT: 1.495 min Scan# 435

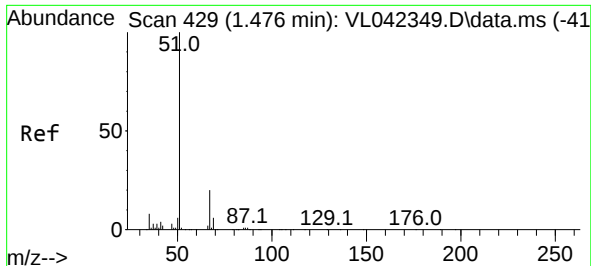
Delta R.T. -0.003 min

Lab File: VL042439.D

Acq: 29 Apr 2025 10:59

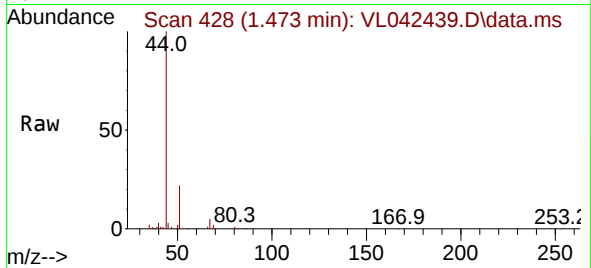
Tgt Ion:	85	Resp:	11170
Ion Ratio	Lower	Upper	
85	100		
87	36.0	26.6	39.8





#3
Chlorodifluoromethane
Concen: 0.180 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

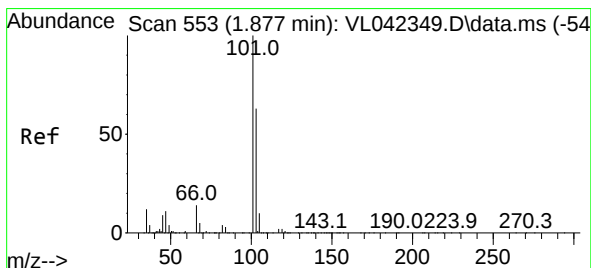
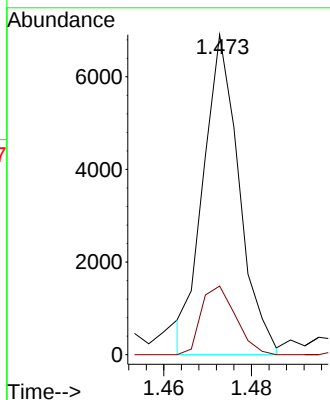
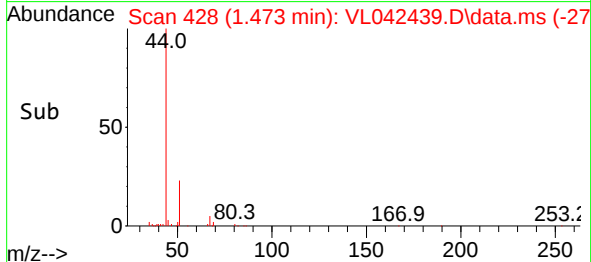
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421



Tgt Ion: 51 Resp: 391
Ion Ratio Lower Upper
51 100
67 21.7 16.2 24.4

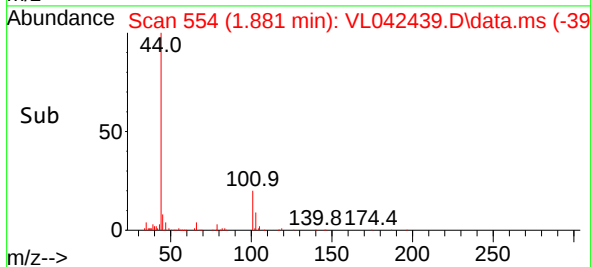
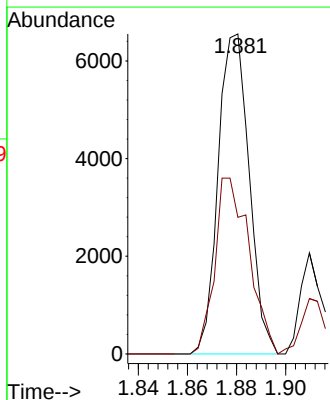
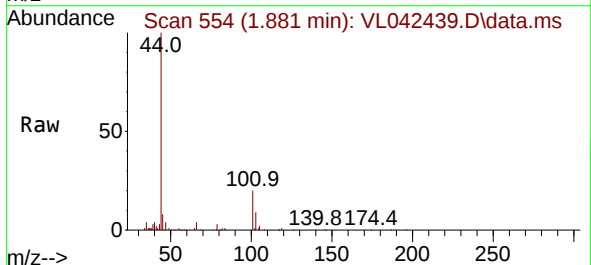
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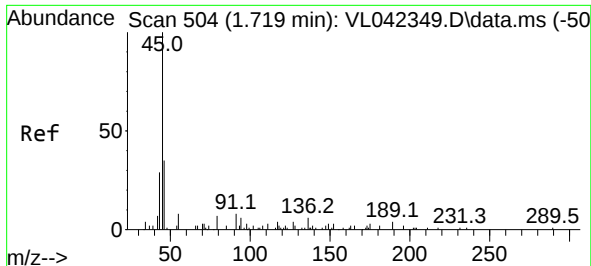
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#11
Trichlorofluoromethane
Concen: 0.264 ppbv m
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

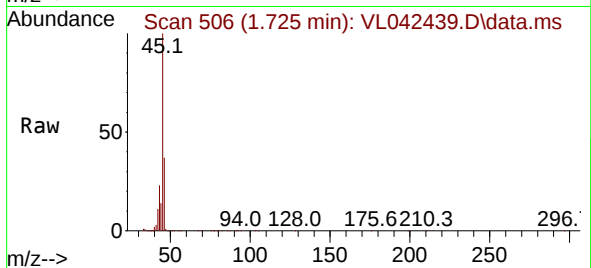
Tgt Ion:101 Resp: 5748
Ion Ratio Lower Upper
101 100
103 42.7 50.1 75.1#





#13
Ethanol
Concen: 37.019 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

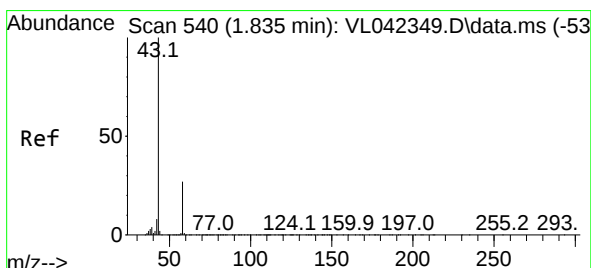
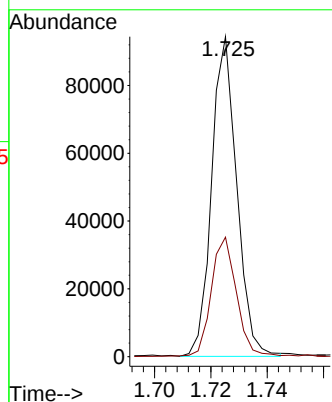
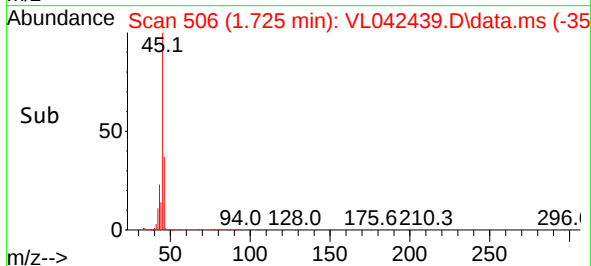
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421



Tgt Ion: 45 Resp: 58438
Ion Ratio Lower Upper
45 100
46 37.5 21.9 87.7

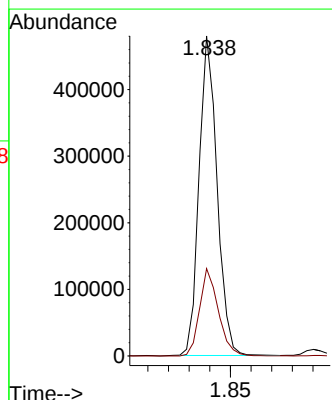
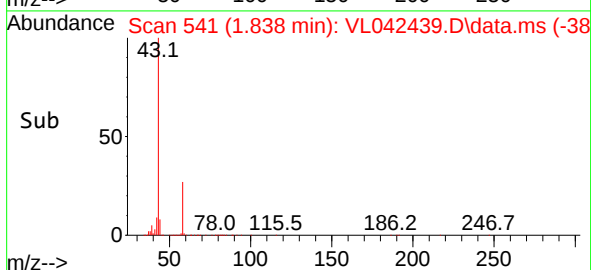
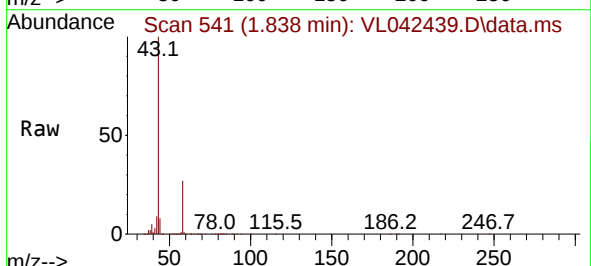
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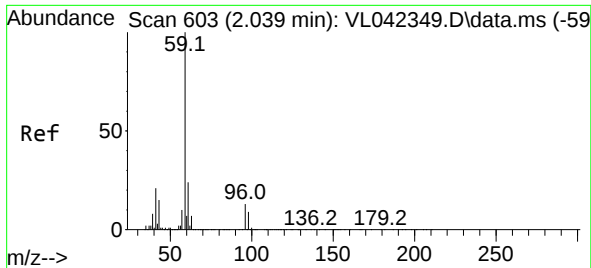
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#15
Acetone
Concen: 13.708 ppbv
RT: 1.838 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

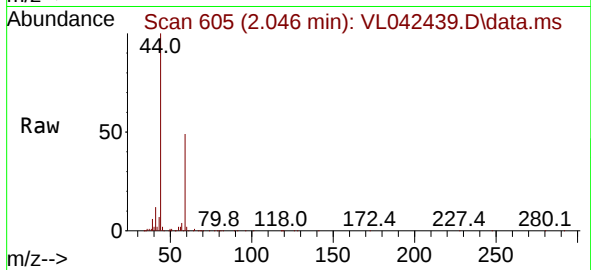
Tgt Ion: 43 Resp: 290876
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6





#17
tert-Butyl alcohol
Concen: 0.760 ppbv
RT: 2.046 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

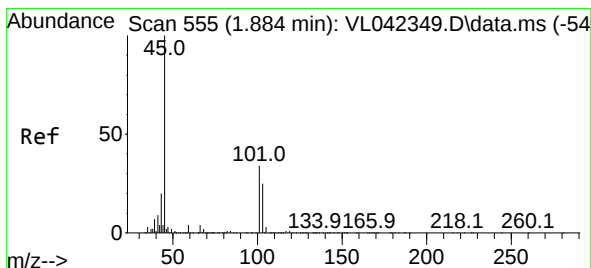
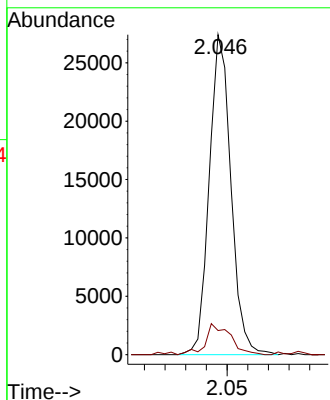
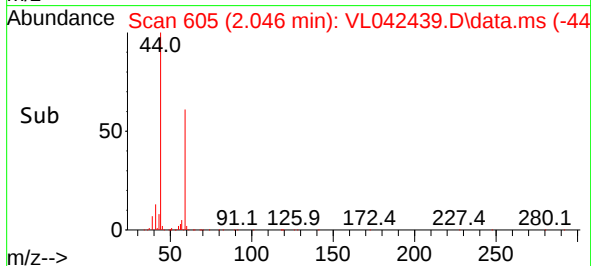
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421



Tgt Ion: 59 Resp: 19990
Ion Ratio Lower Upper
59 100
57 12.0 8.7 13.1

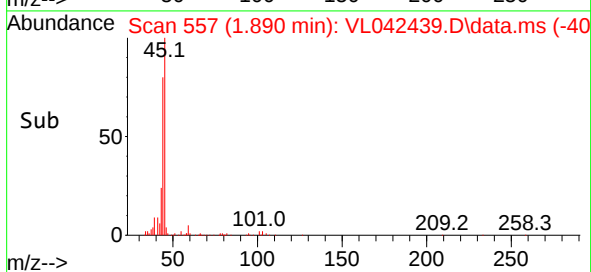
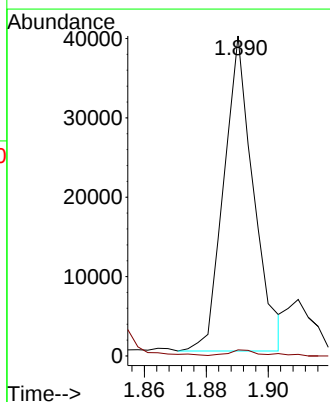
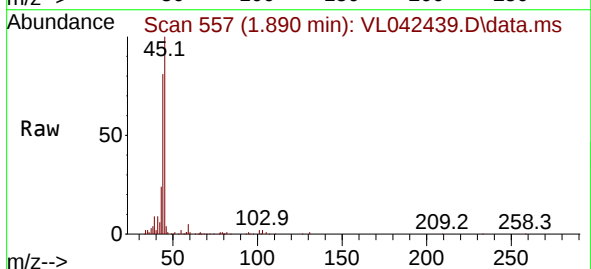
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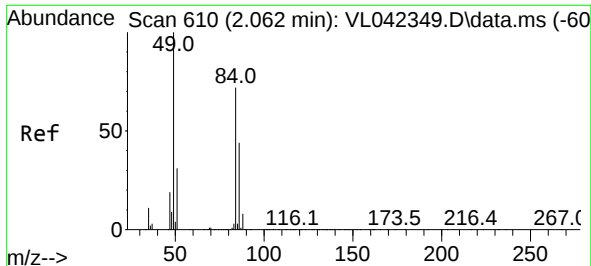
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#19
Isopropyl Alcohol
Concen: 2.247 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

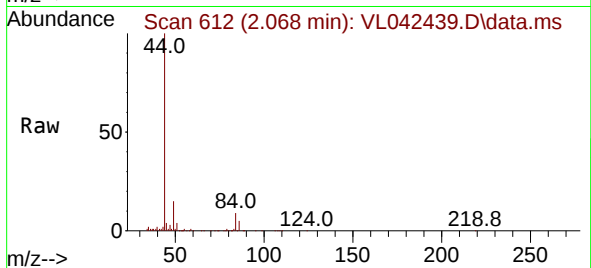
Tgt Ion: 45 Resp: 26482
Ion Ratio Lower Upper
45 100
58 312.1 34.5 51.7#





#20
Methylene Chloride
Concen: 0.388 ppbv
RT: 2.068 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

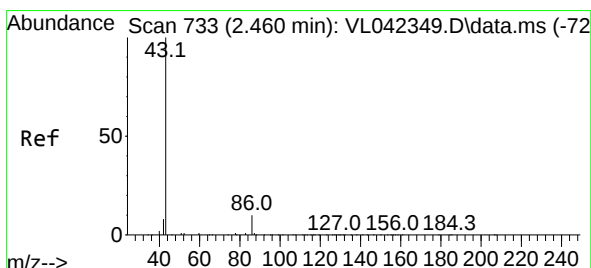
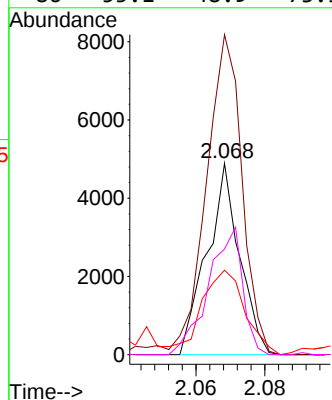
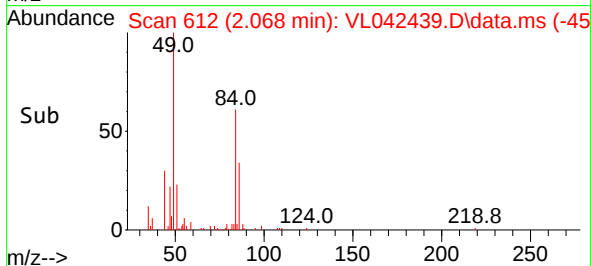
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421



Tgt Ion: 84	Resp: 322
Ion Ratio	Lower Upper
84 100	
49 167.2	111.6 167.4
51 44.1	35.1 52.7
86 55.1	48.9 73.3

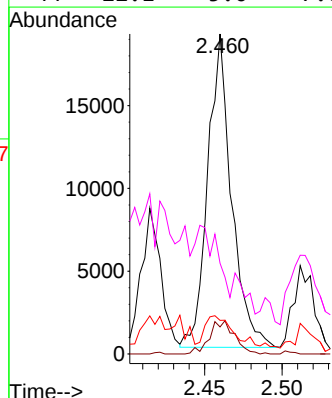
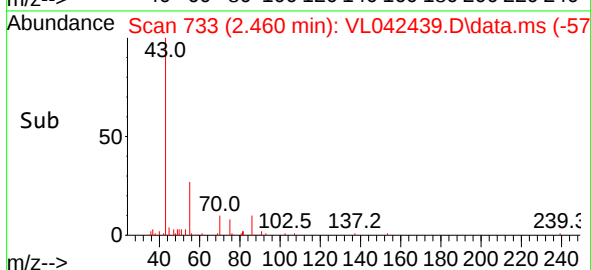
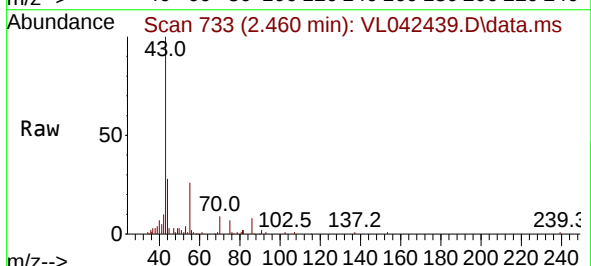
Manual Integrations
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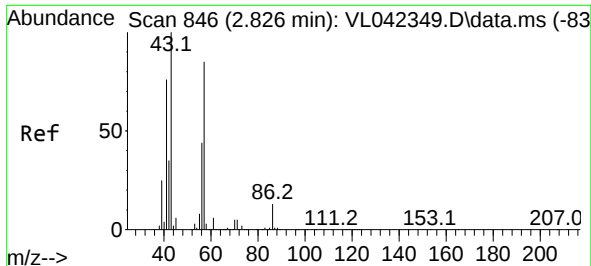
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#23
Vinyl Acetate
Concen: 2.358 ppbv
RT: 2.460 min Scan# 733
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

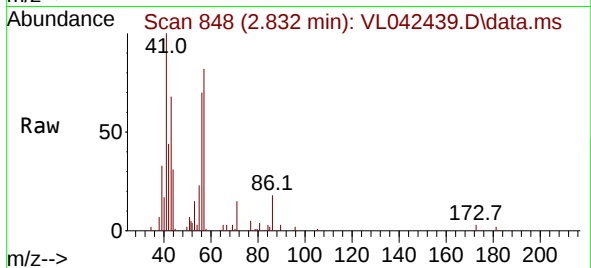
Tgt	Ion: 43	Resp:	20250
Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.5	9.7
42	8.8	7.8	11.8
44	22.1	5.0	7.6#





#26
Hexane
Concen: 0.199 ppbv m
RT: 2.832 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

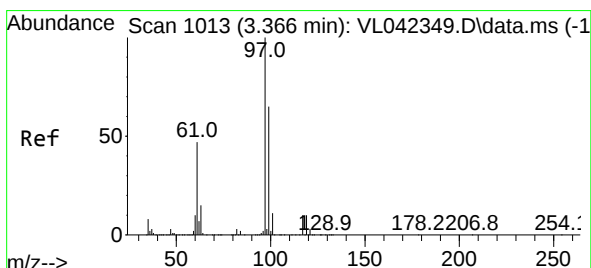
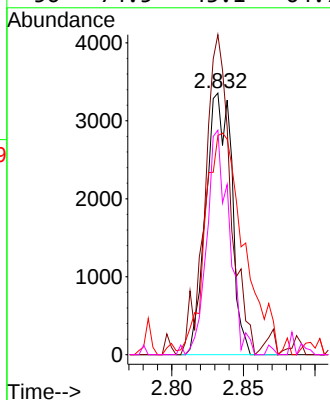
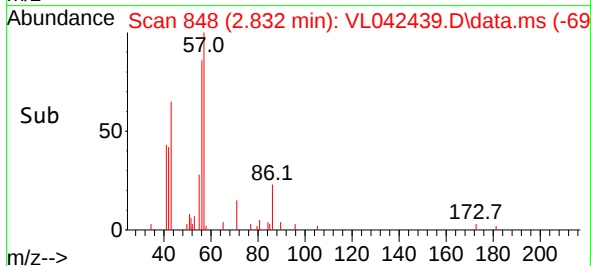
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421



Tgt Ion: 57 Resp: 4209
Ion Ratio Lower Upper
57 100
41 128.3 77.9 116.9
43 0.0 208.4 312.6
56 74.5 43.1 64.7

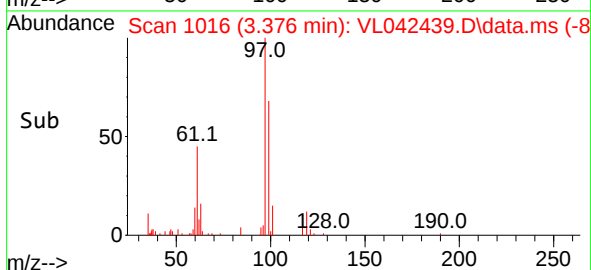
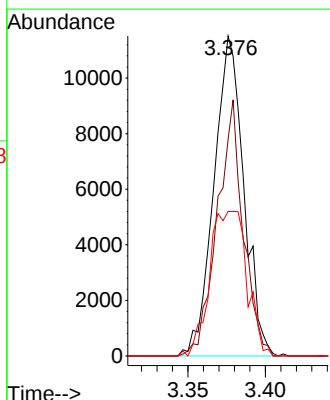
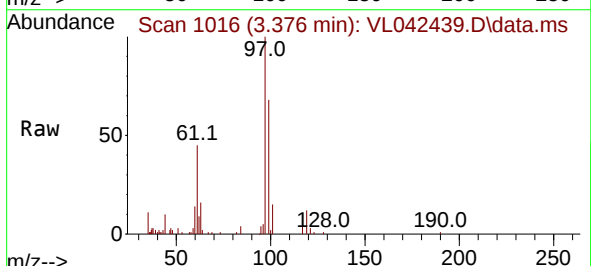
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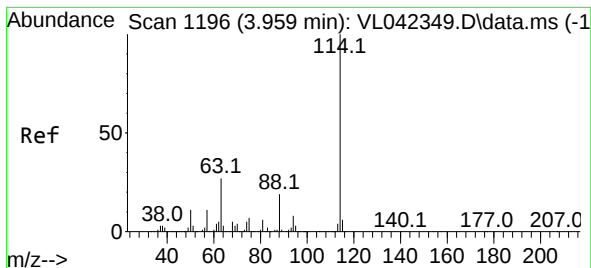
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#32
1,1,1-Trichloroethane
Concen: 0.458 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 97 Resp: 15446
Ion Ratio Lower Upper
97 100
99 69.7 51.0 76.4
61 56.4 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042439.D

Acq: 29 Apr 2025 10:59

Instrument :

MSVOA_L

ClientSampleId :

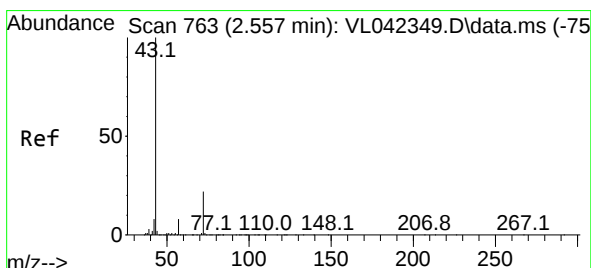
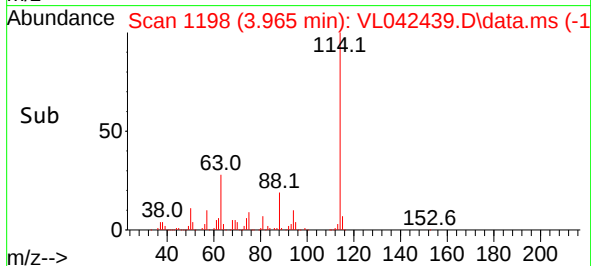
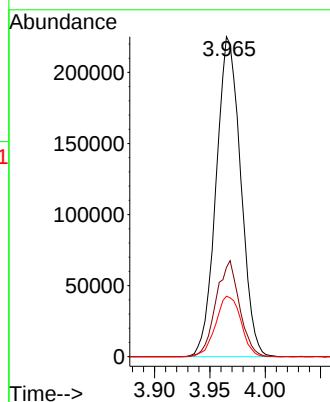
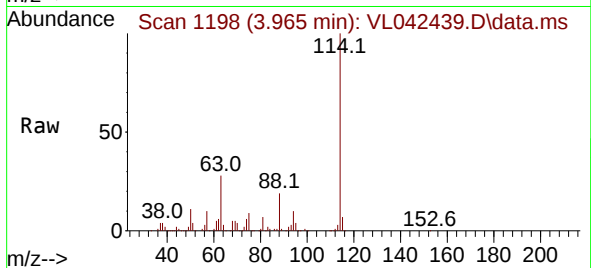
EBR-P08-SC-SS01-20250421

Tgt Ion:114 Resp: 347550
 Ion Ratio Lower Upper
 114 100
 63 28.8 21.8 32.6
 88 19.5 15.5 23.3

Manual Integrations

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



#34

2-Butanone

Concen: 1.278 ppbv

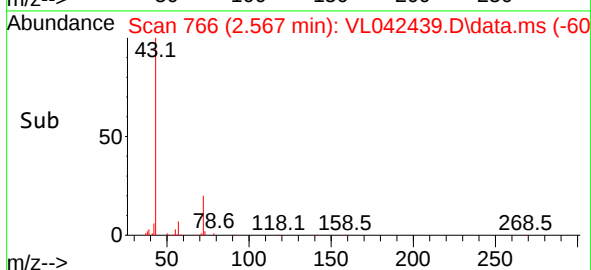
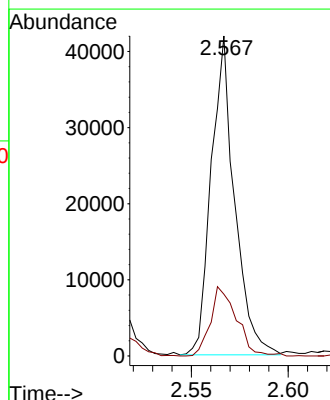
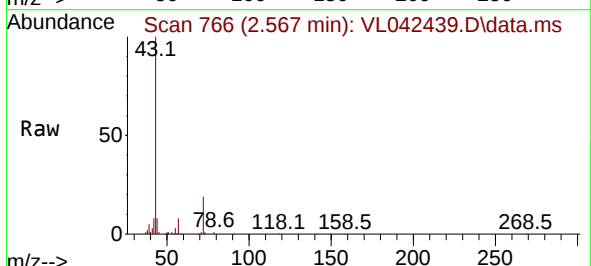
RT: 2.567 min Scan# 766

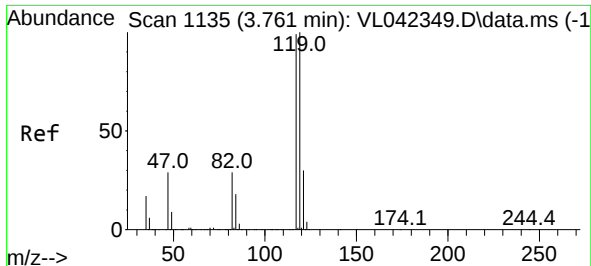
Delta R.T. 0.010 min

Lab File: VL042439.D

Acq: 29 Apr 2025 10:59

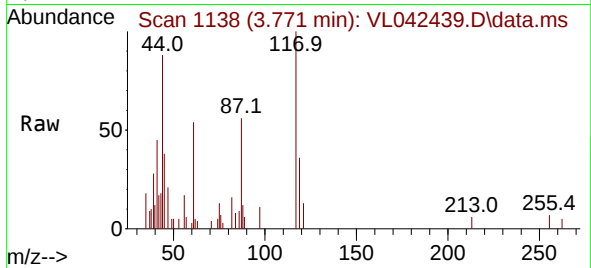
Tgt Ion: 43 Resp: 35126
 Ion Ratio Lower Upper
 43 100
 72 24.3 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 3.771 min Scan# 1135
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

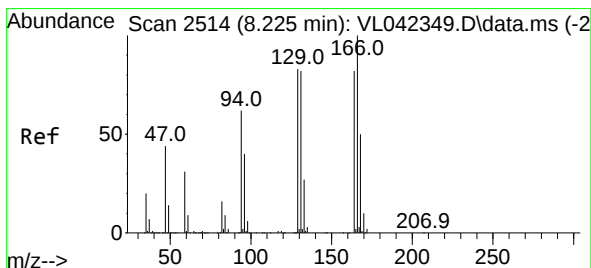
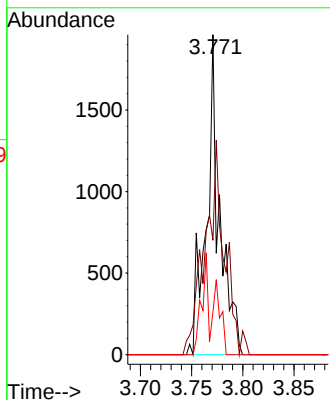
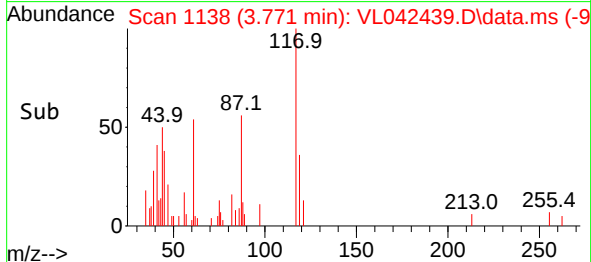
Instrument : MSVOA_L
ClientSampleId : EBR-P08-SC-SS01-20250421



Tgt Ion:117 Resp: 1760
Ion Ratio Lower Upper
117 100
119 35.7 80.5 120.7
121 13.3 24.2 36.2

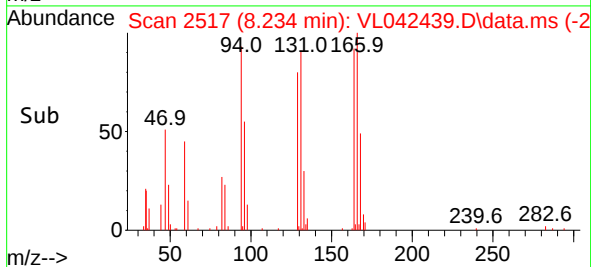
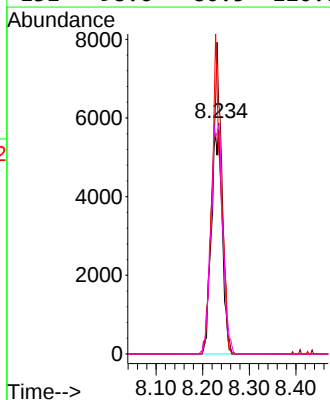
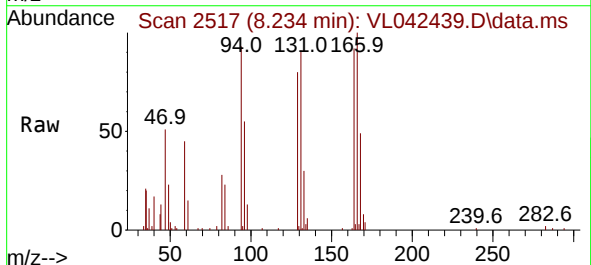
Manual Integrations
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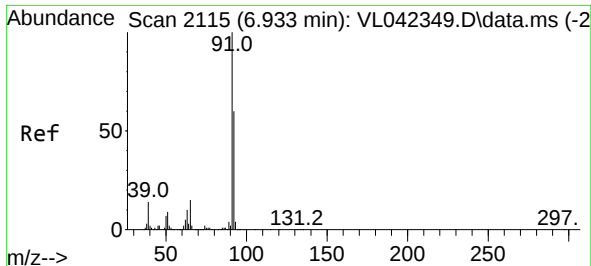
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#52
Tetrachloroethene
Concen: 0.638 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

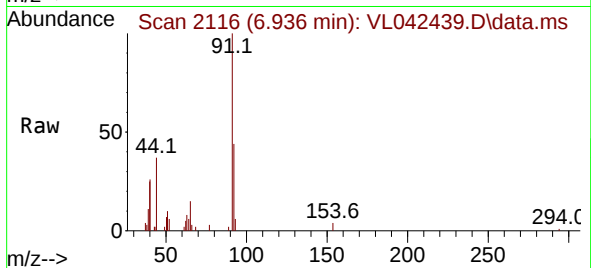
Tgt Ion:164 Resp: 9248
Ion Ratio Lower Upper
164 100
166 108.6 98.2 147.2
129 87.4 81.8 122.8
131 98.6 80.5 120.7





#53
Toluene
Concen: 0.148 ppbv m
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

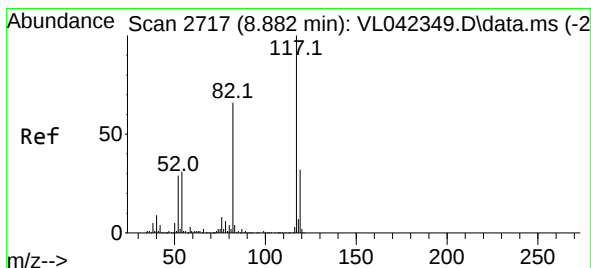
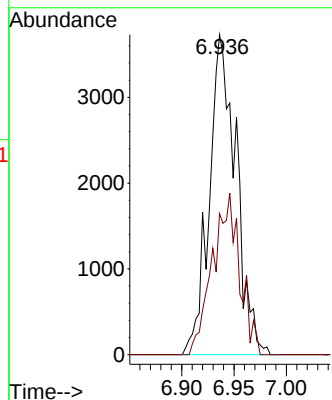
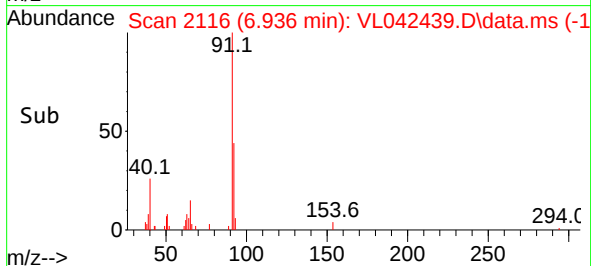
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421



Tgt Ion: 91 Resp: 667
Ion Ratio Lower Upper
91 100
92 51.0 48.2 72.4

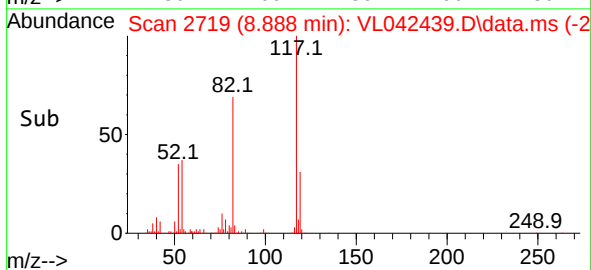
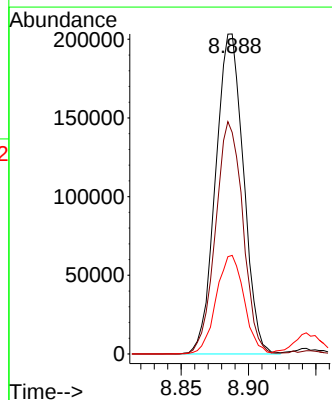
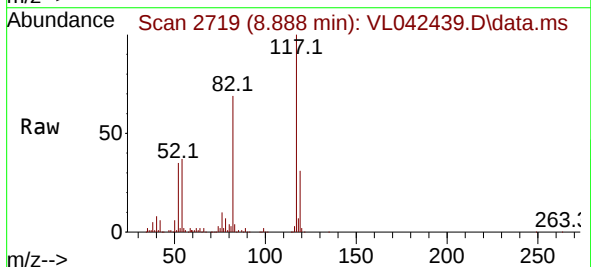
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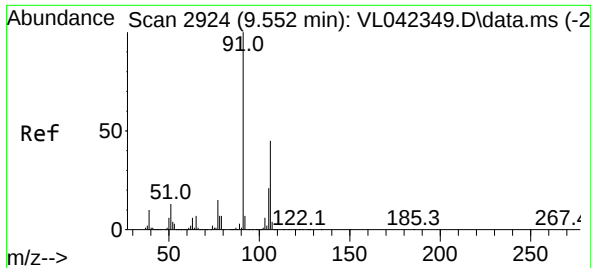
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:117 Resp: 293308
Ion Ratio Lower Upper
117 100
82 71.3 57.8 86.6
119 30.9 25.2 37.8





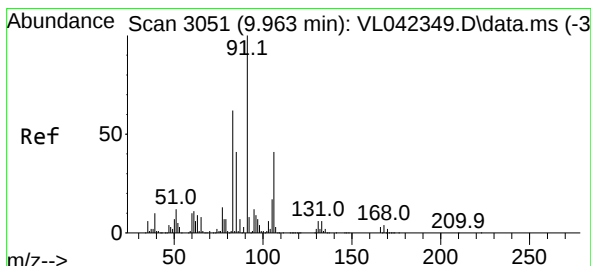
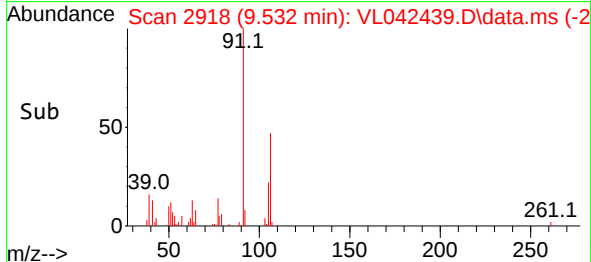
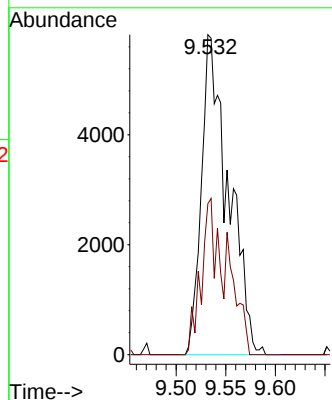
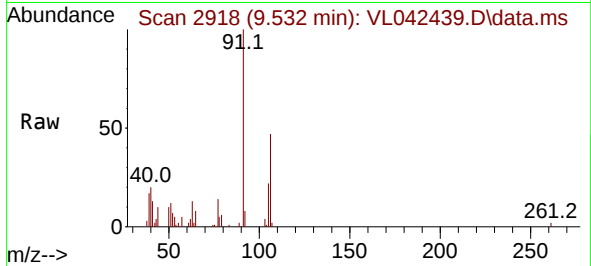
#59
m/p-Xylene
Concen: 0.234 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. -0.020 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 91 Resp: 1097
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

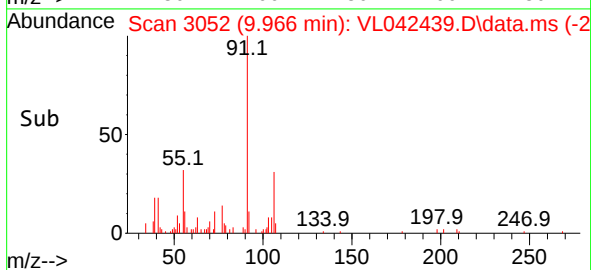
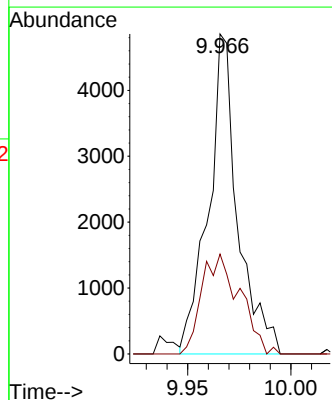
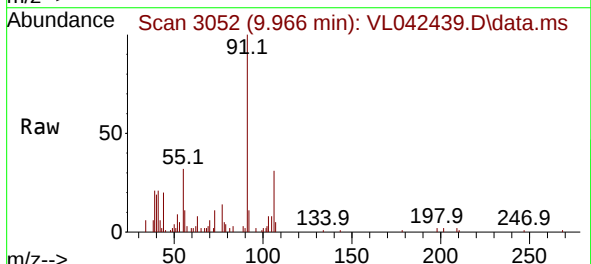
Manual Integrations
APPROVED

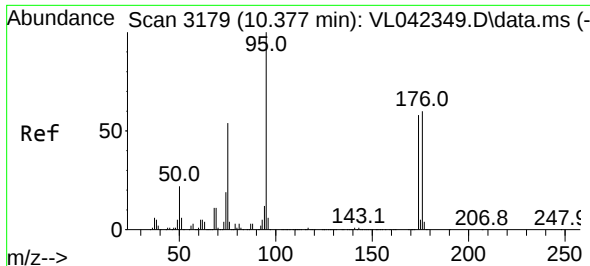
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#60
o-Xylene
Concen: 0.101 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

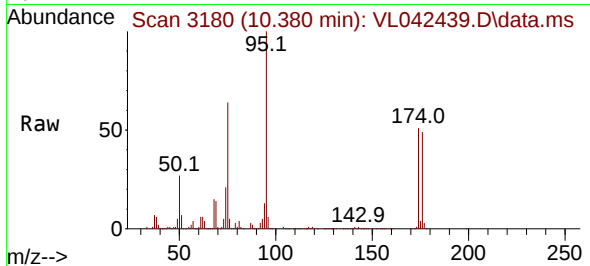
Tgt Ion: 91 Resp: 4784
Ion Ratio Lower Upper
91 100
106 40.7 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.625 ppbv
RT: 10.380 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

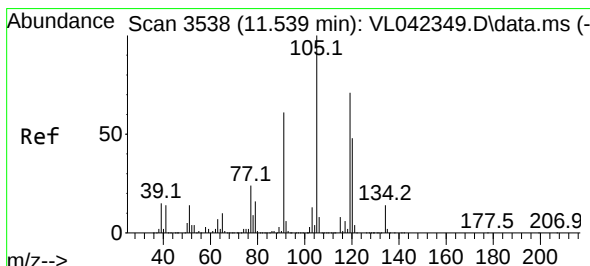
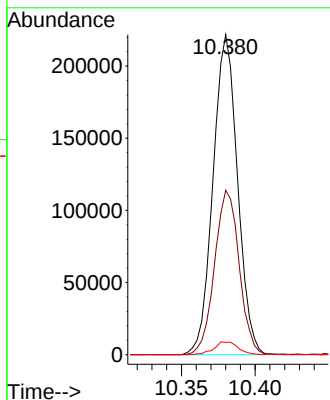
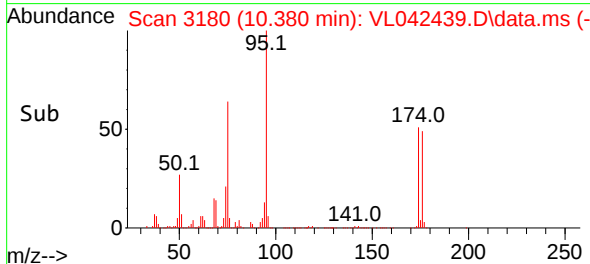
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421



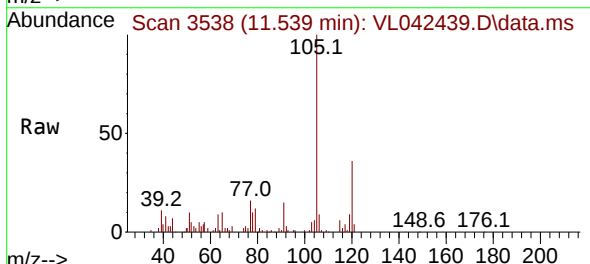
Tgt Ion: 95 Resp: 256098
Ion Ratio Lower Upper
95 100
174 51.6 48.5 72.7
175 4.0 3.7 5.5

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.325 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59



Tgt Ion:105 Resp: 19318
Ion Ratio Lower Upper
105 100
120 35.8 38.1 57.1#
91 15.0 48.8 73.2#
77 15.9 19.0 28.4#

