

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042335.D
 Acq On : 15 Apr 2025 16:42
 Operator : SY/MD
 Sample : Q1802-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

Quant Time: Apr 16 01:33:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.810	49	177460	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.994	114	437650	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.914	117	380537	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.403	95	300987	9.632	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	10190	0.389	ppbv	99
3) Chlorodifluoromethane	1.486	51	7563m	0.283	ppbv	
4) Chloromethane	1.541	50	6941	0.648	ppbv	91
9) Propene	1.492	41	12618	1.028	ppbv	90
10) Heptane	5.024	43	8885	0.272	ppbv	93
11) Trichlorofluoromethane	1.891	101	4952	0.194	ppbv	89
13) Ethanol	1.732	45	34874	30.069	ppbv	81
15) Acetone	1.848	43	202208	8.147	ppbv	98
19) Isopropyl Alcohol	1.900	45	18374	1.312	ppbv #	1
20) Methylene Chloride	2.078	84	3677	0.398	ppbv #	93
26) Hexane	2.852	57	5571	0.224	ppbv #	38
34) 2-Butanone	2.580	43	30605	0.964	ppbv	97
35) Carbon Tetrachloride	3.794	117	2187m	0.064	ppbv	
36) Benzene	3.690	78	8111m	0.187	ppbv	
53) Toluene	6.979	91	29789	0.579	ppbv	97

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

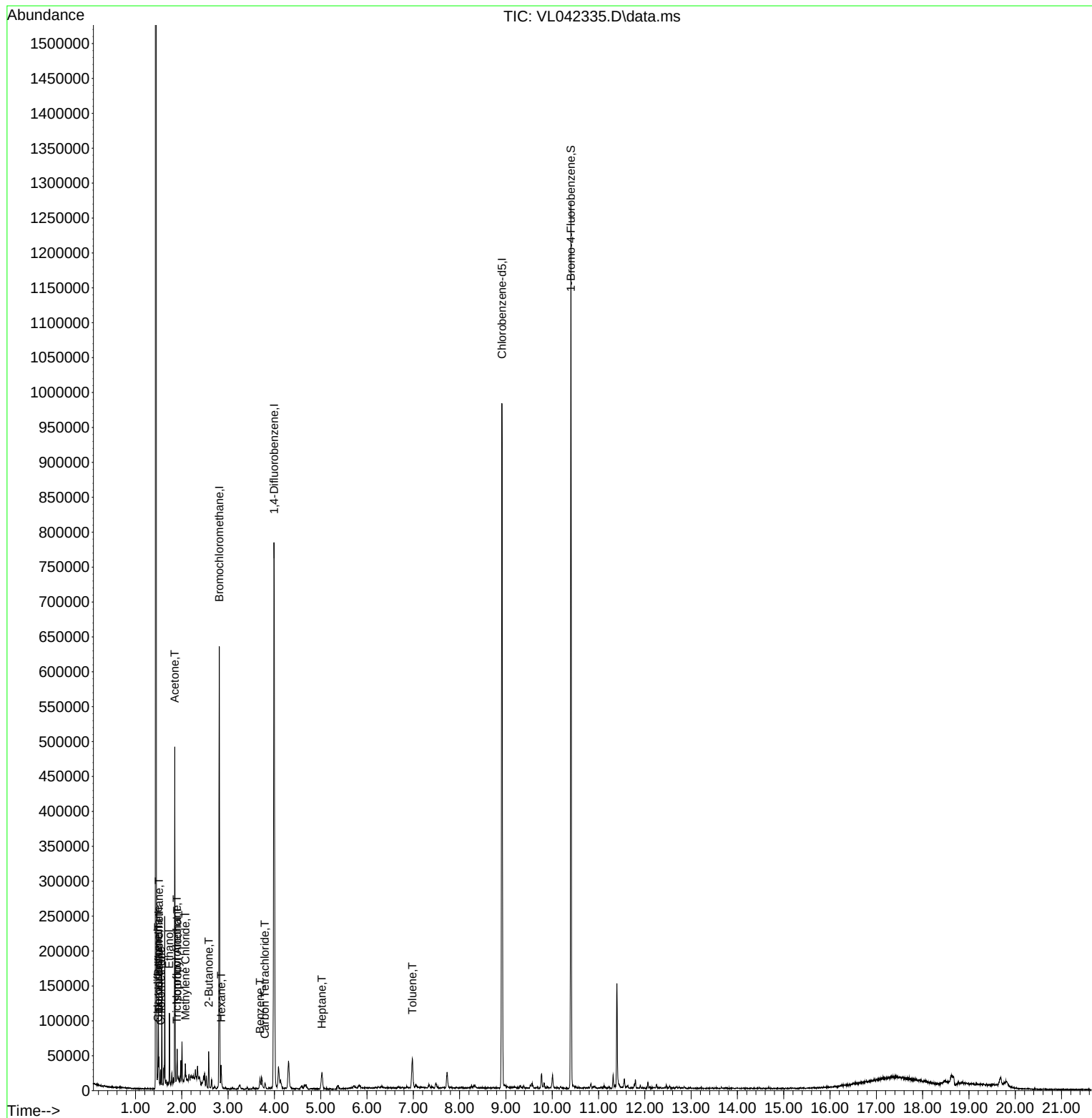
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042335.D
Acq On : 15 Apr 2025 16:42
Operator : SY/MD
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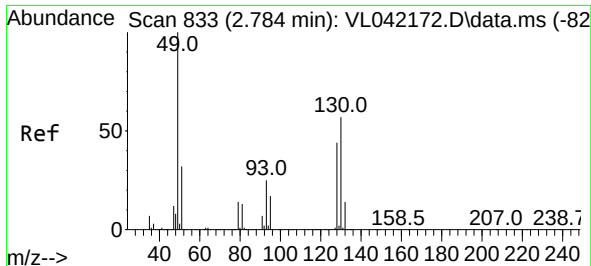
Instrument :
MSVOA_L
ClientSampleId :
OA1

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Supervised By :Mahesh Dadoda 04/16/2025

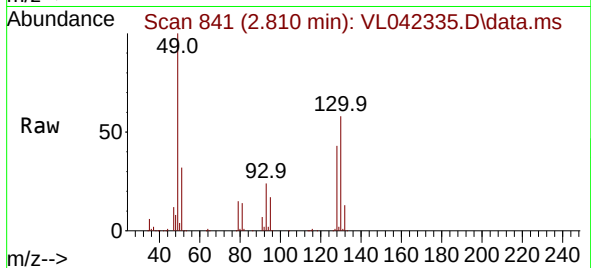
Quant Time: Apr 16 01:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 841
Delta R.T. 0.026 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

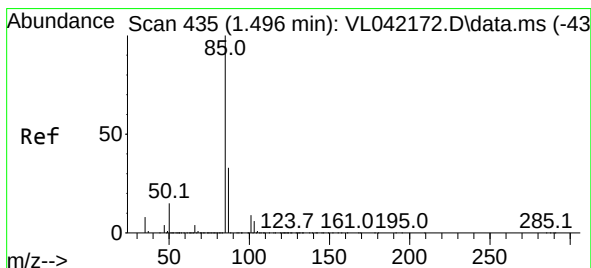
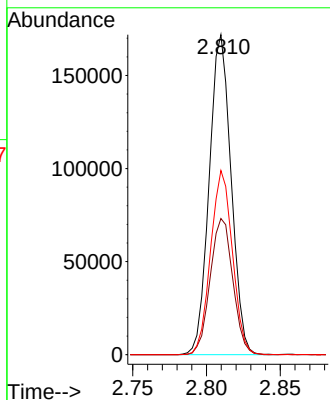
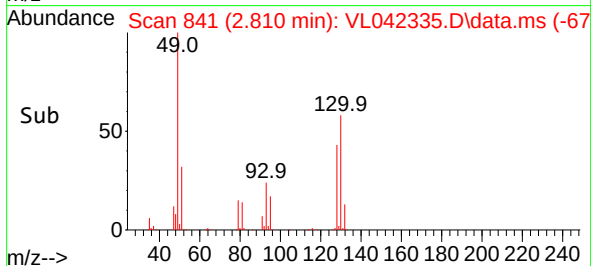
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 177460
Ion Ratio Lower Upper
49 100
128 44.0 22.9 68.5
130 57.4 28.8 86.4

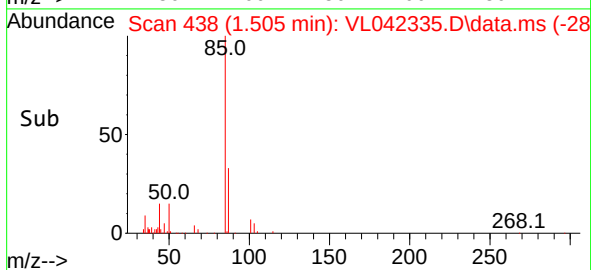
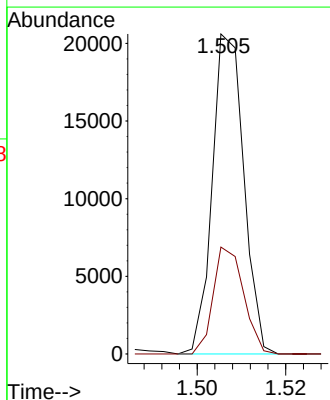
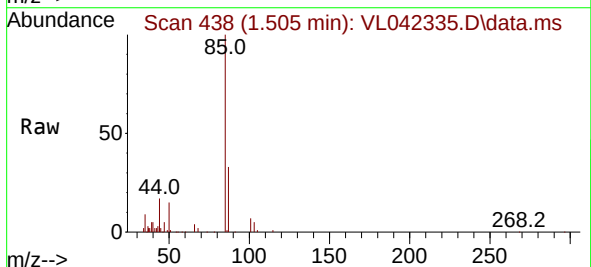
Manual Integrations
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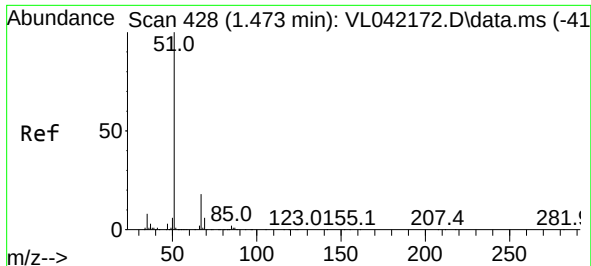
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#2
Dichlorodifluoromethane
Concen: 0.389 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

Tgt Ion: 85 Resp: 10190
Ion Ratio Lower Upper
85 100
87 33.4 26.1 39.1





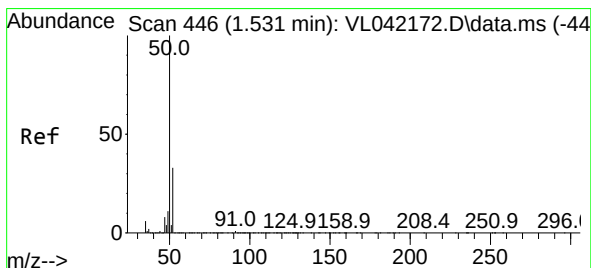
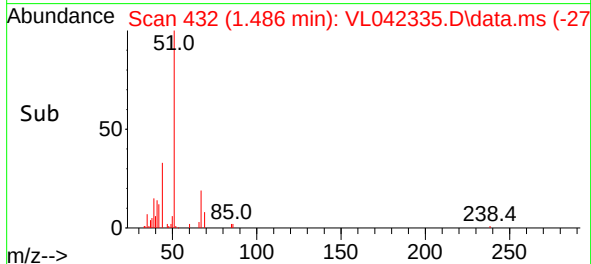
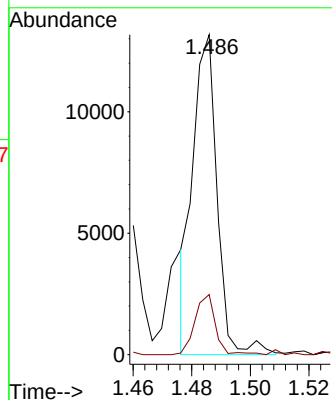
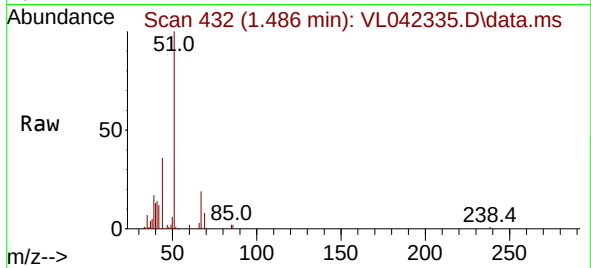
#3
Chlorodifluoromethane
Concen: 0.283 ppbv m
RT: 1.486 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 756
Ion Ratio Lower Upper
51 100
67 16.0 15.0 22.6

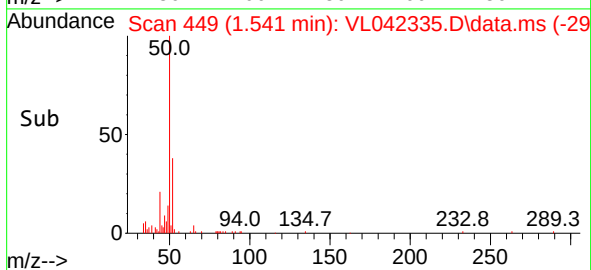
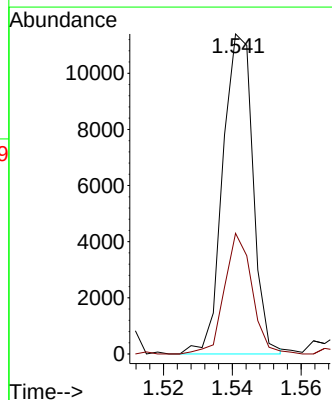
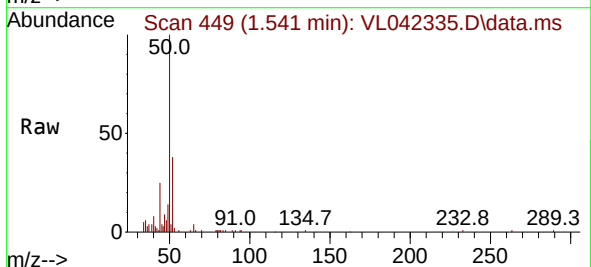
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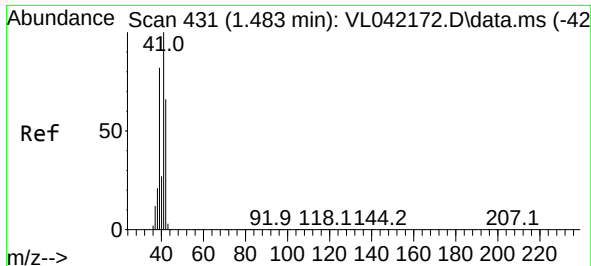
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#4
Chloromethane
Concen: 0.648 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.010 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

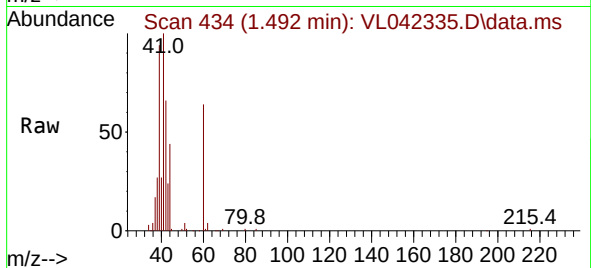
Tgt Ion: 50 Resp: 6941
Ion Ratio Lower Upper
50 100
52 37.7 26.1 39.1





#9
 Propene
 Concen: 1.028 ppbv
 RT: 1.492 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL042335.D
 Acq: 15 Apr 2025 16:42

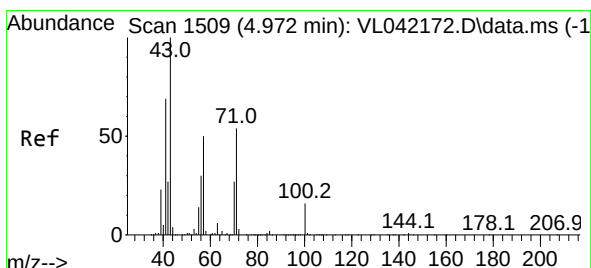
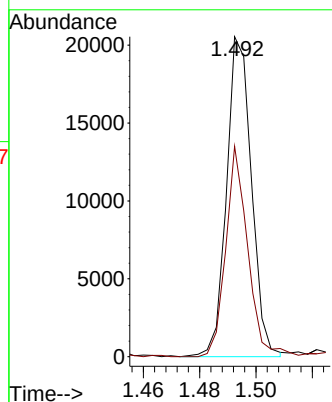
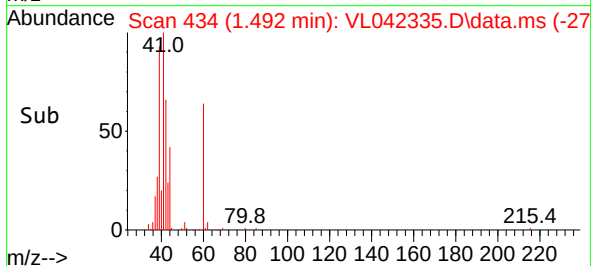
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 12618
 Ion Ratio Lower Upper
 41 100
 42 61.3 55.4 83.2

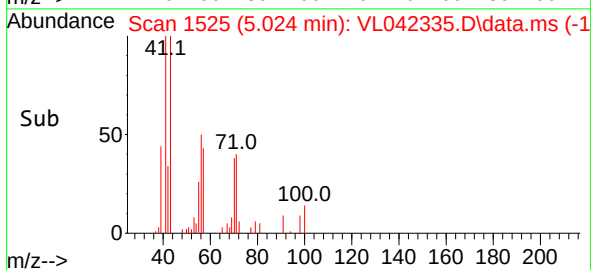
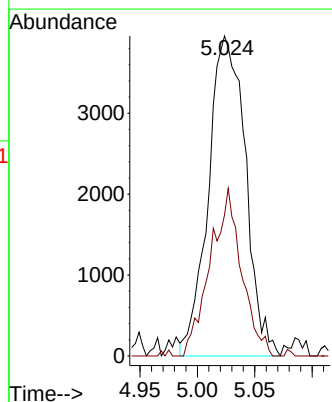
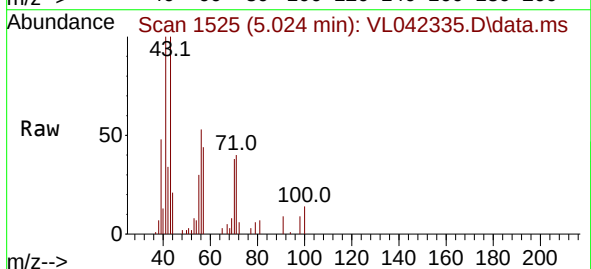
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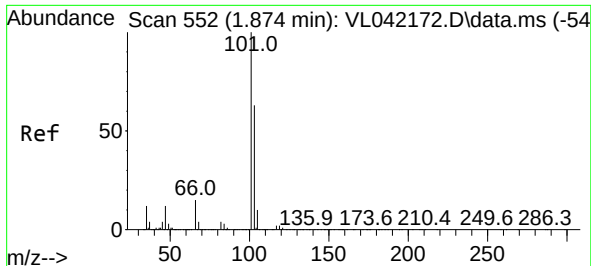
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025



#10
 Heptane
 Concen: 0.272 ppbv
 RT: 5.024 min Scan# 1525
 Delta R.T. 0.052 min
 Lab File: VL042335.D
 Acq: 15 Apr 2025 16:42

Tgt Ion: 43 Resp: 8885
 Ion Ratio Lower Upper
 43 100
 57 44.7 39.4 59.2





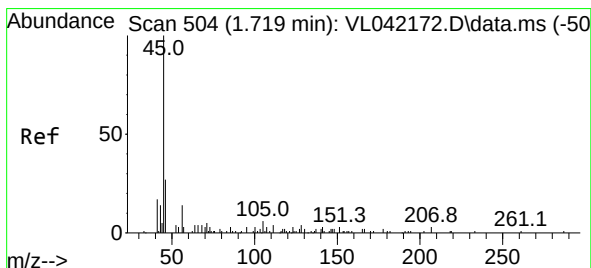
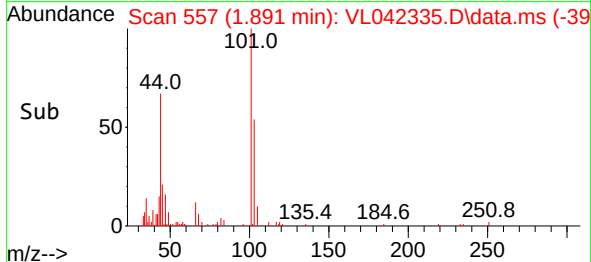
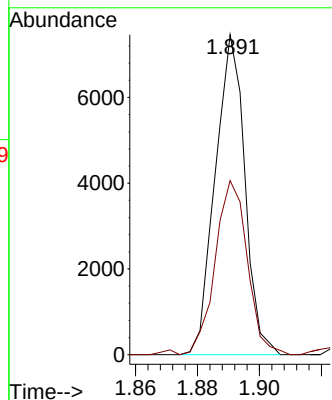
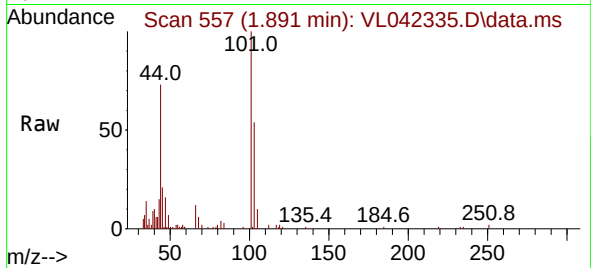
#11
Trichlorofluoromethane
Concen: 0.194 ppbv
RT: 1.891 min Scan# 508
Delta R.T. 0.016 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 4952
Ion Ratio Lower Upper
101 100
103 54.4 50.2 75.2

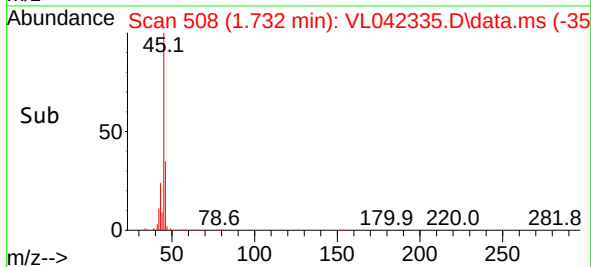
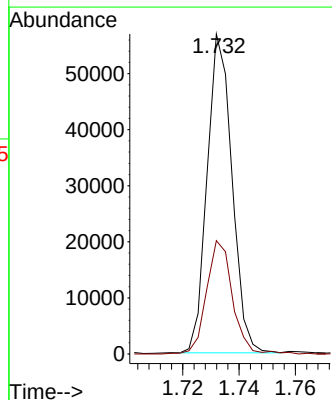
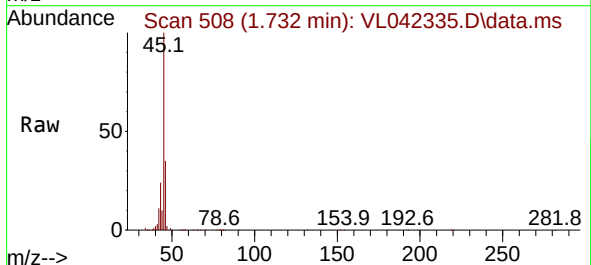
Manual Integrations
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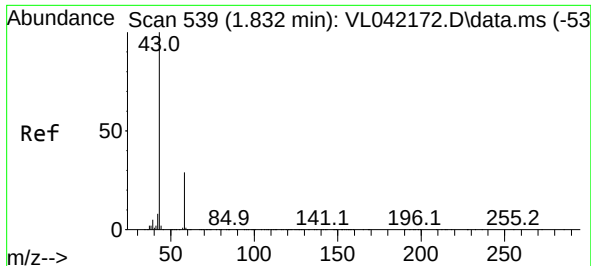
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#13
Ethanol
Concen: 30.069 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

Tgt Ion: 45 Resp: 34874
Ion Ratio Lower Upper
45 100
46 37.5 20.2 80.8





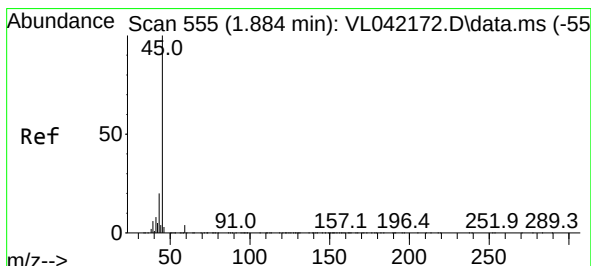
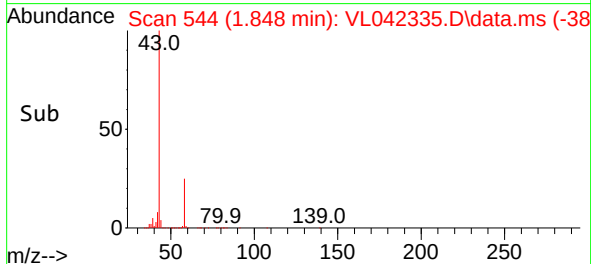
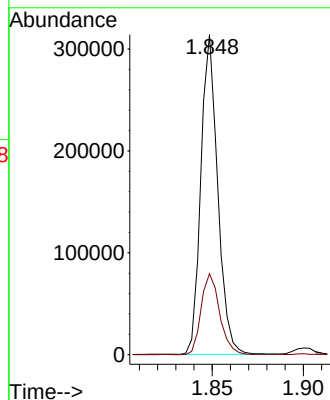
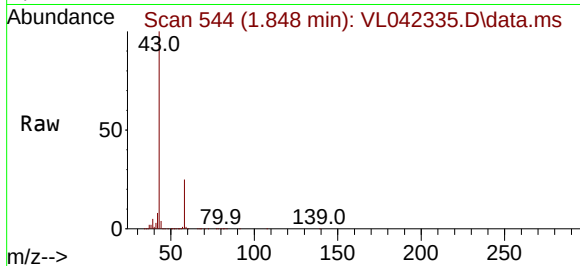
#15
Acetone
Concen: 8.147 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.016 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 202208
Ion Ratio Lower Upper
43 100
58 27.9 23.2 34.8

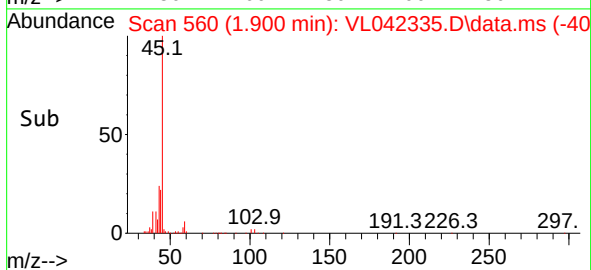
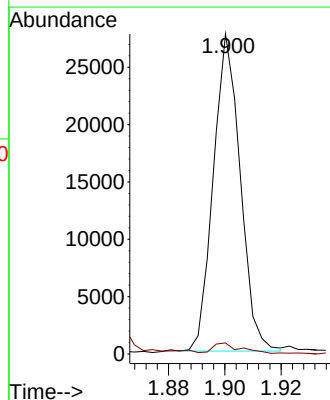
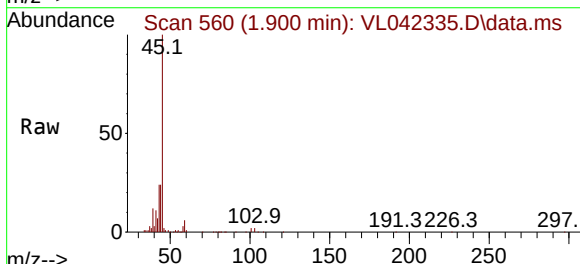
Manual Integrations
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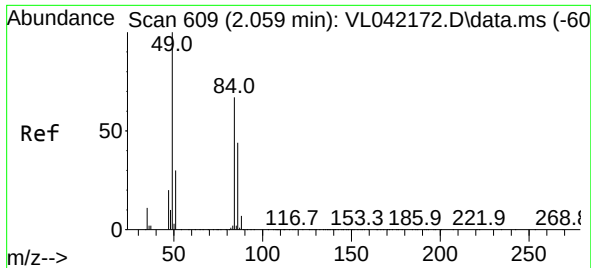
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#19
Isopropyl Alcohol
Concen: 1.312 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.016 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

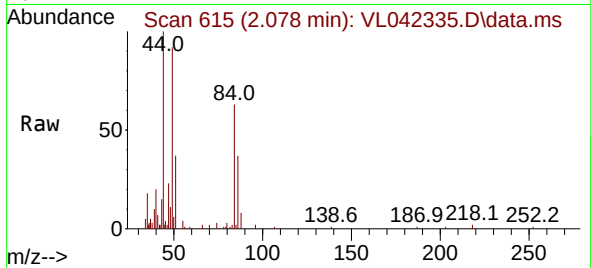
Tgt Ion: 45 Resp: 18374
Ion Ratio Lower Upper
45 100
58 308.6 36.9 55.3#





#20
Methylene Chloride
Concen: 0.398 ppbv
RT: 2.078 min Scan# 615
Delta R.T. 0.019 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

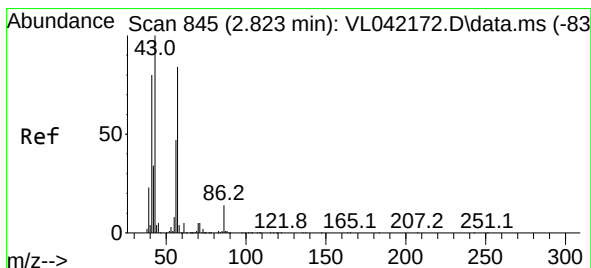
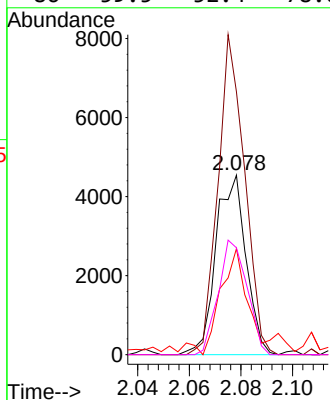
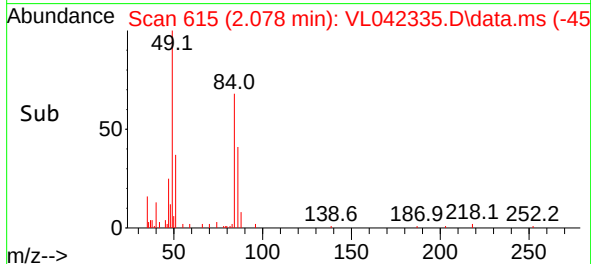
Instrument :
MSVOA_L
ClientSampleId :
OA1



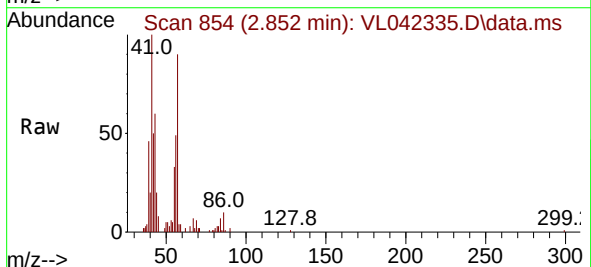
Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.4	120.2	180.4
51	57.6	37.4	56.0
86	59.5	52.4	78.6

Manual Integrations
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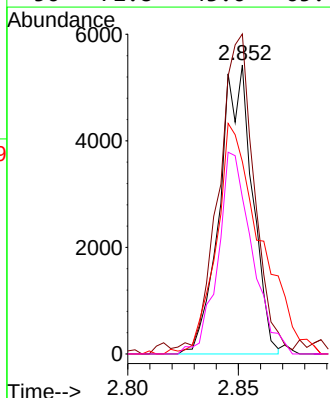
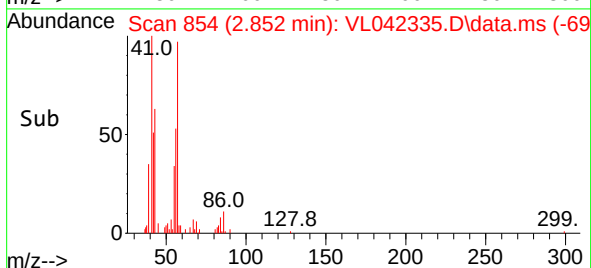
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

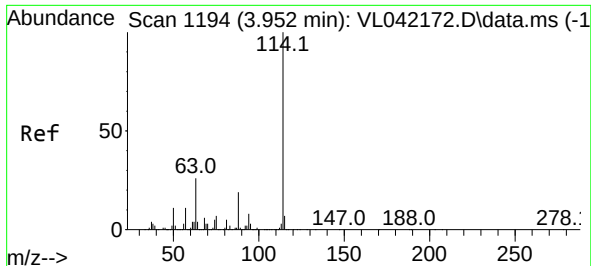


#26
Hexane
Concen: 0.224 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.029 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42



Tgt Ion	Ratio	Lower	Upper
57	100		
41	126.3	76.6	114.8#
43	114.3	207.8	311.8#
56	72.8	43.6	65.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.994 min Scan# 1194

Delta R.T. 0.042 min

Lab File: VL042335.D

Acq: 15 Apr 2025 16:42

Instrument :

MSVOA_L

ClientSampleId :

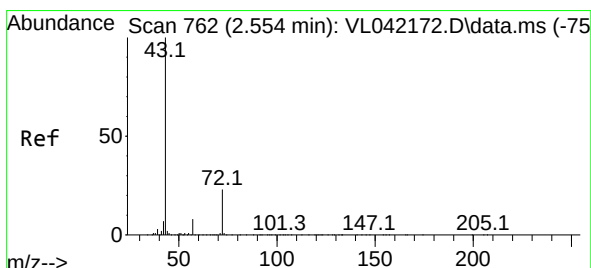
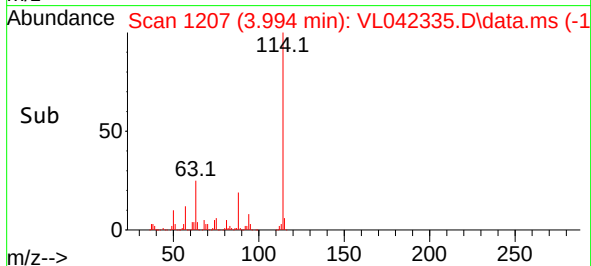
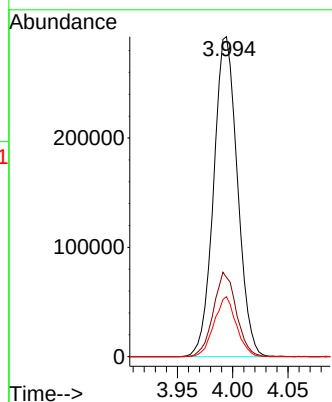
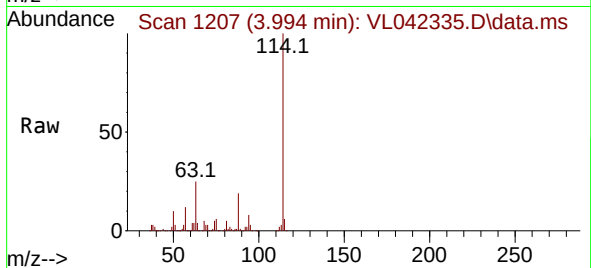
OA1

Tgt Ion:114 Resp: 437650
 Ion Ratio Lower Upper
 114 100
 63 25.6 20.7 31.1
 88 17.6 15.0 22.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025



#34

2-Butanone

Concen: 0.964 ppbv

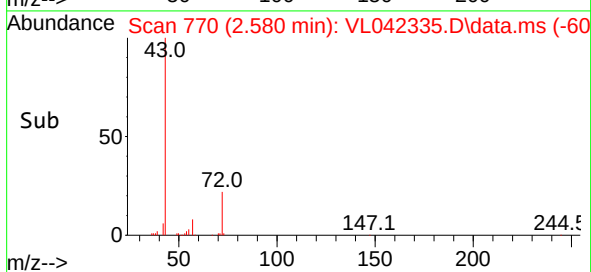
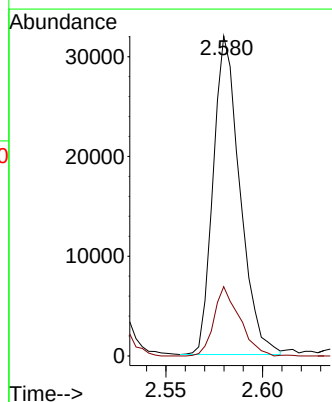
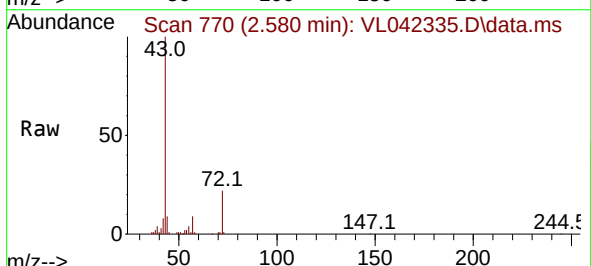
RT: 2.580 min Scan# 770

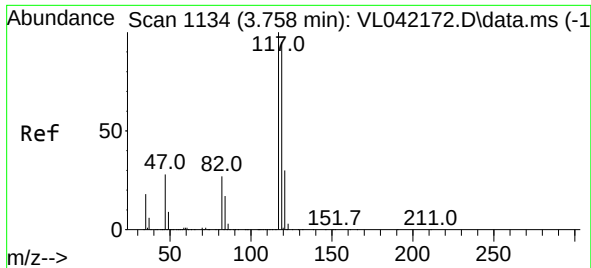
Delta R.T. 0.026 min

Lab File: VL042335.D

Acq: 15 Apr 2025 16:42

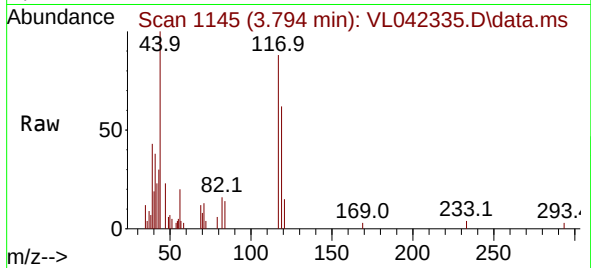
Tgt Ion: 43 Resp: 30605
 Ion Ratio Lower Upper
 43 100
 72 21.0 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 3.794 min Scan# 1113
Delta R.T. 0.035 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

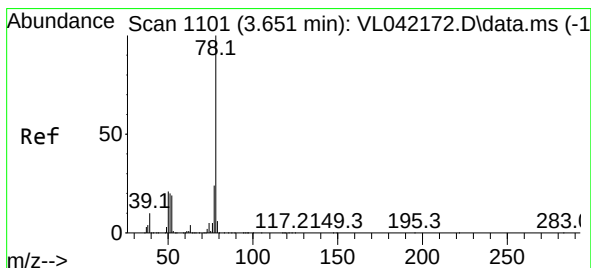
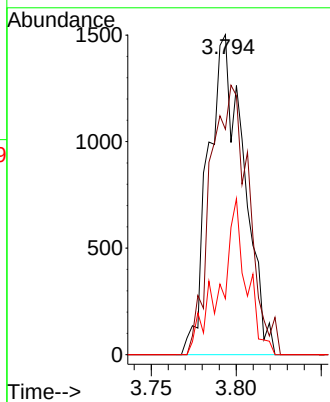
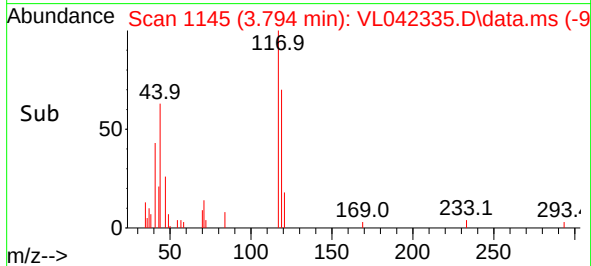
Instrument :
MSVOA_L
ClientSampleId :
OA1



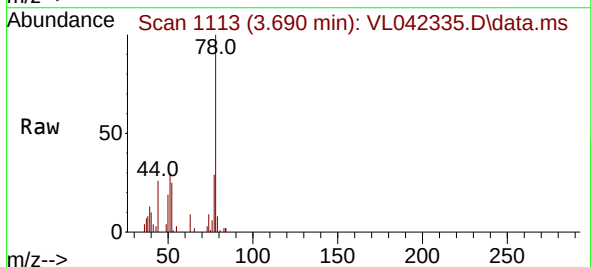
Tgt Ion: 117 Resp: 218
Ion Ratio Lower Upper
117 100
119 70.4 76.2 114.2
121 17.5 24.2 36.4

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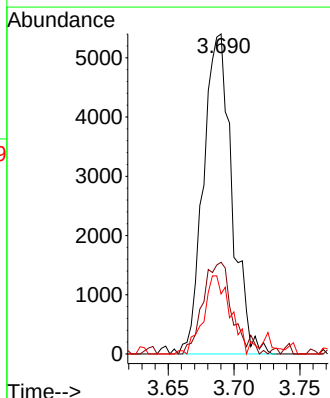
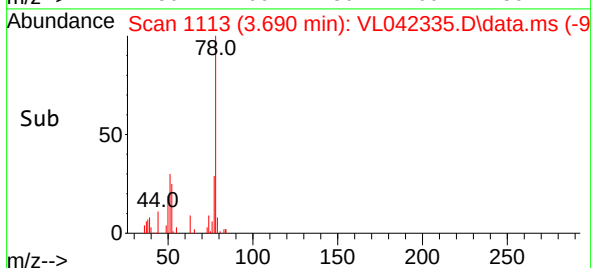
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

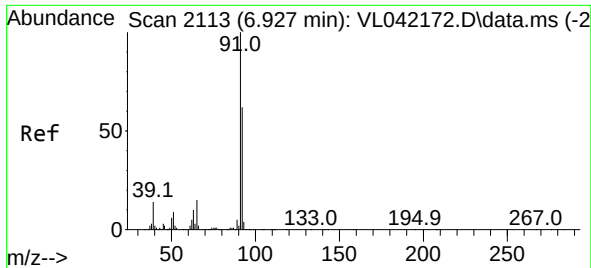


#36
Benzene
Concen: 0.187 ppbv m
RT: 3.690 min Scan# 1113
Delta R.T. 0.039 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42



Tgt Ion: 78 Resp: 811
Ion Ratio Lower Upper
78 100
77 28.6 19.1 28.7
50 18.7 16.6 24.8





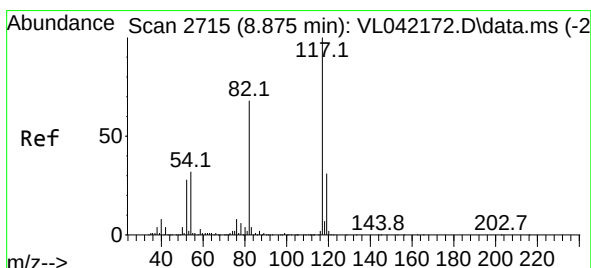
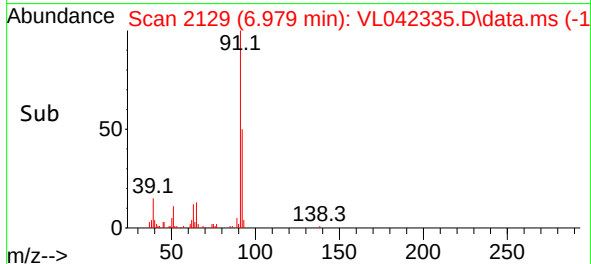
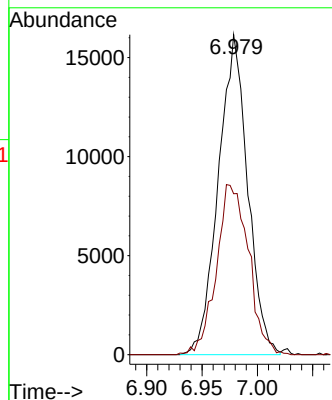
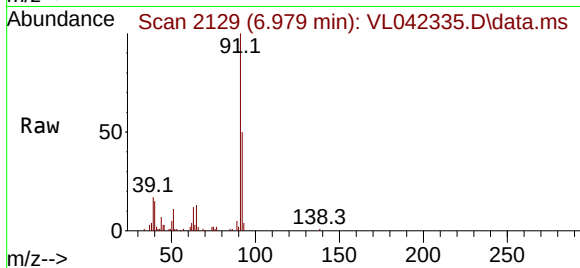
#53
Toluene
Concen: 0.579 ppbv
RT: 6.979 min Scan# 2113
Delta R.T. 0.052 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 29789
Ion Ratio Lower Upper
91 100
92 58.5 48.4 72.6

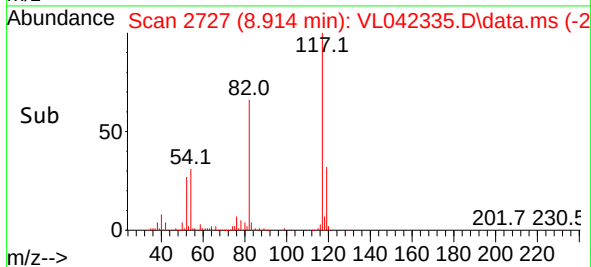
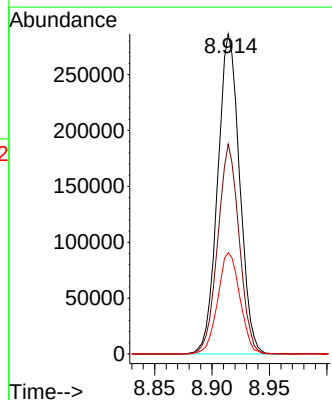
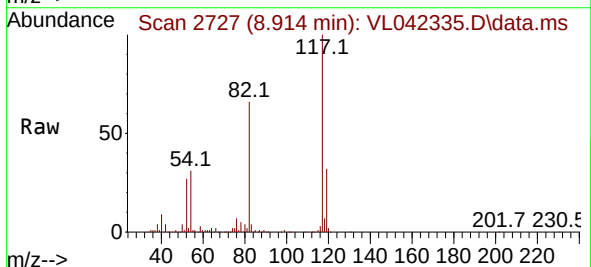
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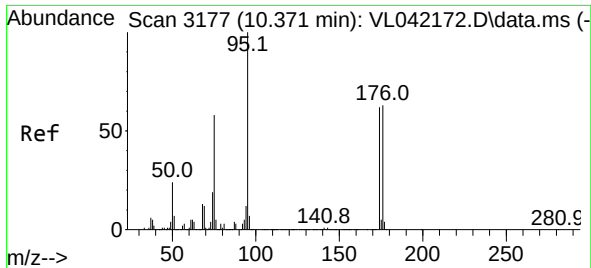
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. 0.039 min
Lab File: VL042335.D
Acq: 15 Apr 2025 16:42

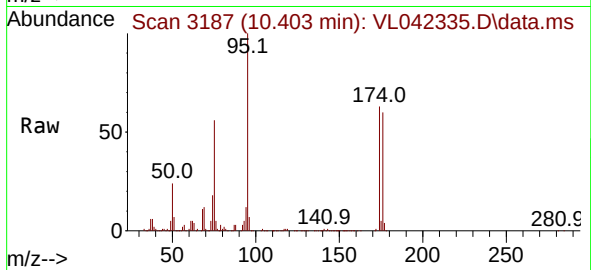
Tgt Ion:117 Resp: 380537
Ion Ratio Lower Upper
117 100
82 64.1 55.8 83.6
119 32.1 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.632 ppbv
 RT: 10.403 min Scan# 3177
 Delta R.T. 0.032 min
 Lab File: VL042335.D
 Acq: 15 Apr 2025 16:42

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 95 Resp: 30098
 Ion Ratio Lower Upper
 95 100
 174 63.9 50.6 76.0
 175 4.8 3.8 5.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

