

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041964.D
 Acq On : 03 Feb 2025 14:59
 Operator : SY/MD
 Sample : Q1256-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025

Quant Time: Feb 04 02:37:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	156873	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	427312	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	382639	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	307295	10.196	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	2701	0.126	ppbv	94
9) Propene	1.486	41	8818	0.956	ppbv	97
10) Heptane	4.988	43	3564m	0.145	ppbv	
13) Ethanol	1.725	45	1715m	2.539	ppbv	
15) Acetone	1.839	43	34978	1.856	ppbv #	41
20) Methylene Chloride	2.065	84	2023	0.272	ppbv	86
26) Hexane	2.832	57	15618	0.777	ppbv #	35
29) Chloroform	2.852	83	12571	0.396	ppbv	92
34) 2-Butanone	2.564	43	173530	6.386	ppbv	99
51) 2-Hexanone	7.457	43	20641m	0.724	ppbv	
53) Toluene	6.946	91	10474	0.245	ppbv	95
58) Ethyl Benzene	9.364	91	6571m	0.110	ppbv	
59) m/p-Xylene	9.539	91	13152m	0.274	ppbv	
60) o-Xylene	9.969	91	7401	0.156	ppbv	97
62) Isopropylbenzene	10.545	105	14479	0.197	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	9577	0.176	ppbv #	48

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

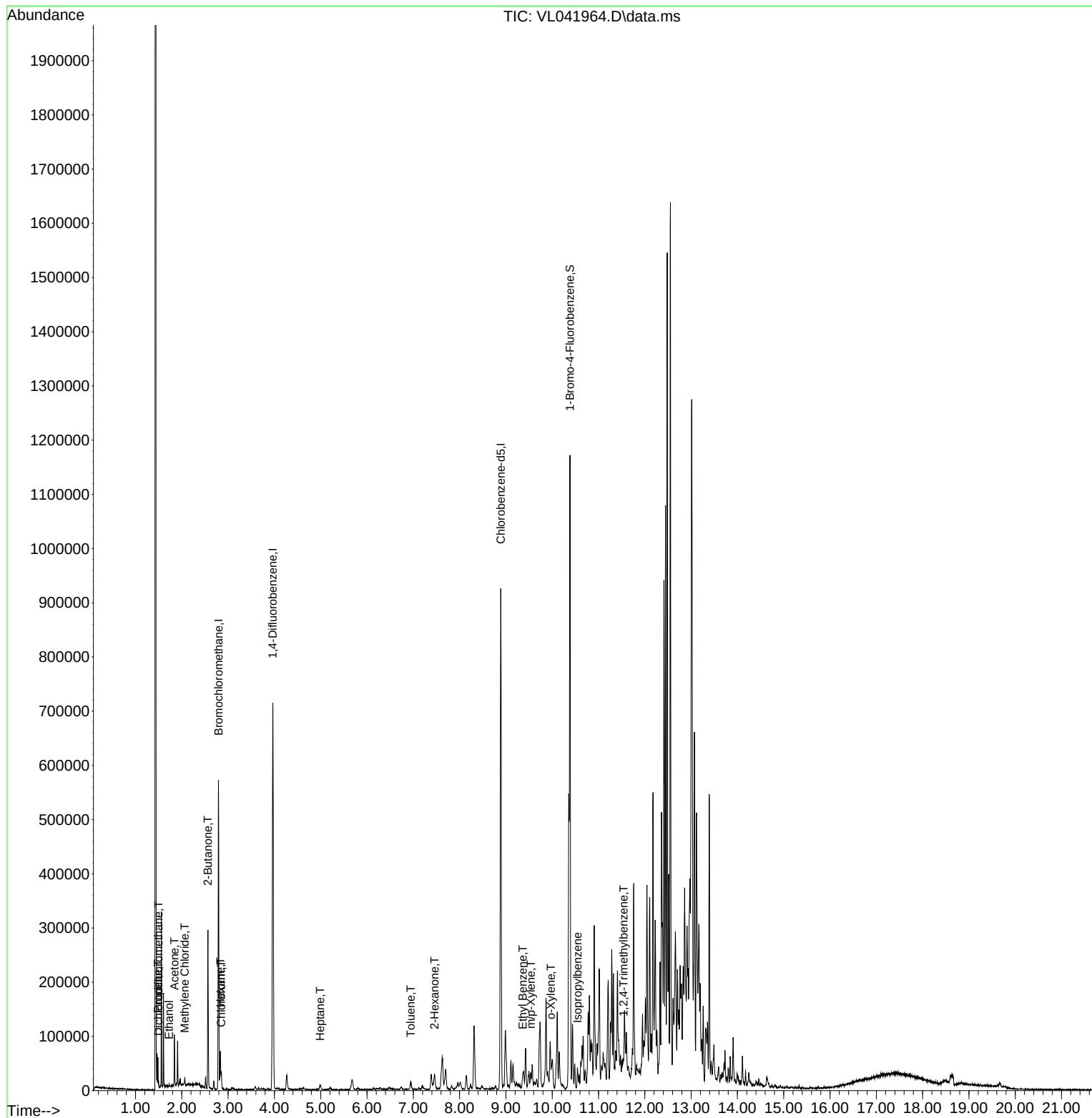
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041964.D
Acq On : 03 Feb 2025 14:59
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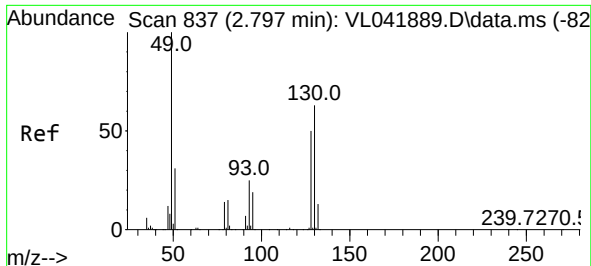
Instrument :
MSVOA_L
ClientSampleId :
SV1

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Supervised By :Mahesh Dadoda 02/04/2025

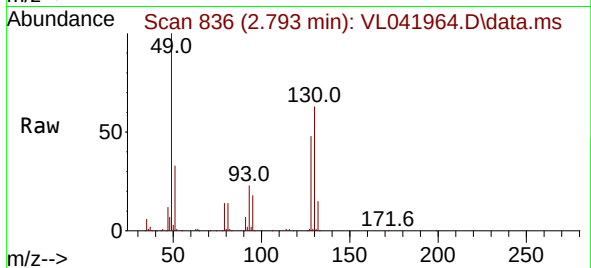
Quant Time: Feb 04 02:37:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

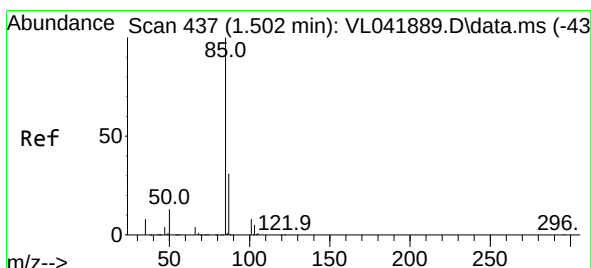
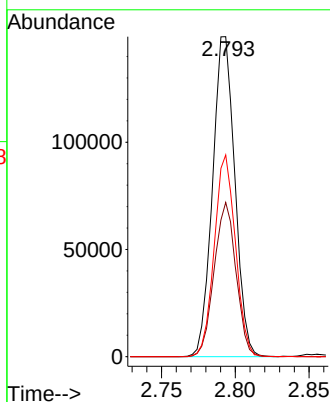
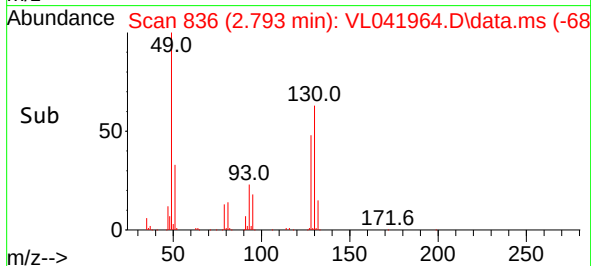
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 15687
Ion Ratio Lower Upper
49 100
128 47.1 24.3 73.0
130 59.9 31.1 93.2

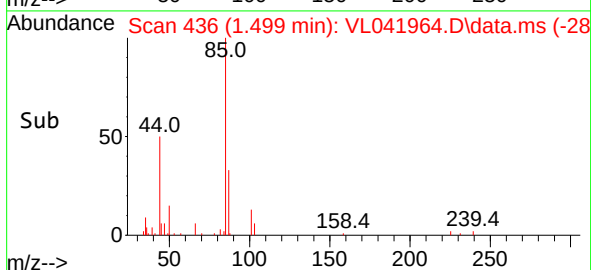
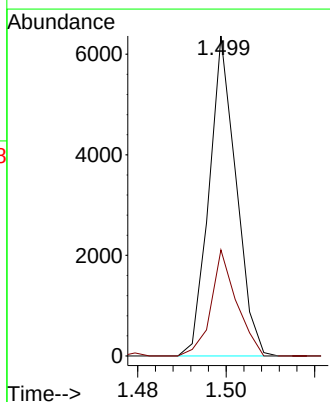
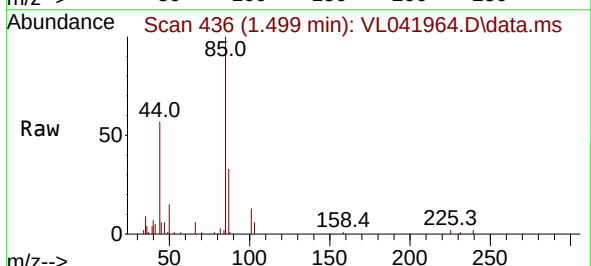
Manual Integrations
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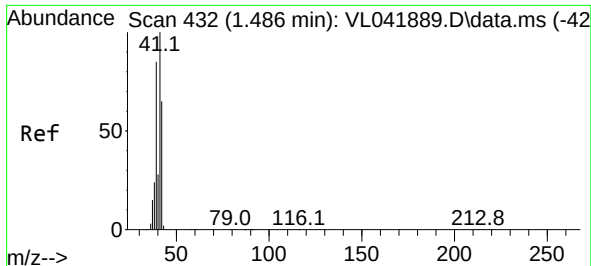
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#2
Dichlorodifluoromethane
Concen: 0.126 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

Tgt Ion: 85 Resp: 2701
Ion Ratio Lower Upper
85 100
87 34.6 24.9 37.3





#9

Propene

Concen: 0.956 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041964.D

Acq: 03 Feb 2025 14:59

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 41 Resp: 8818

Ion Ratio Lower Upper

41 100

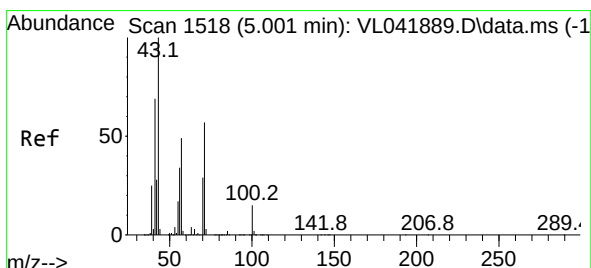
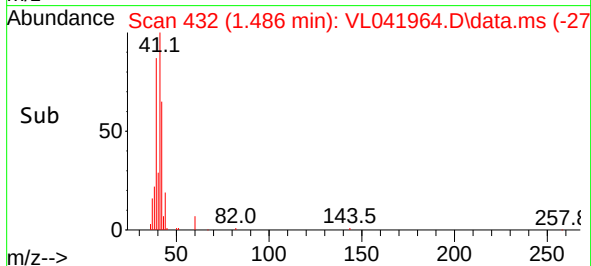
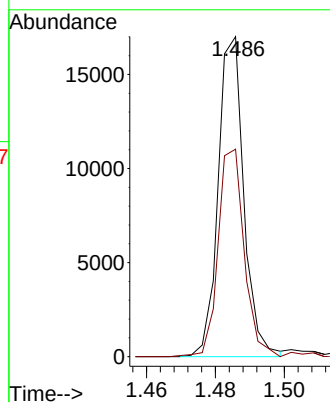
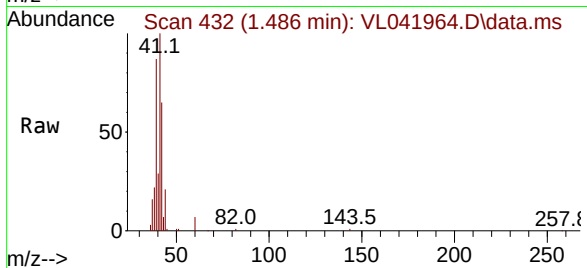
42 67.2 52.0 78.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#10

Heptane

Concen: 0.145 ppbv m

RT: 4.988 min Scan# 1514

Delta R.T. -0.013 min

Lab File: VL041964.D

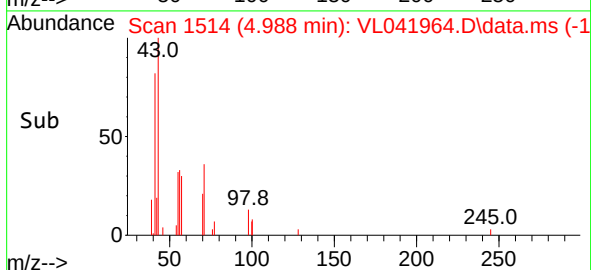
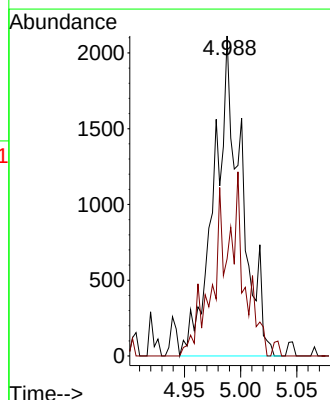
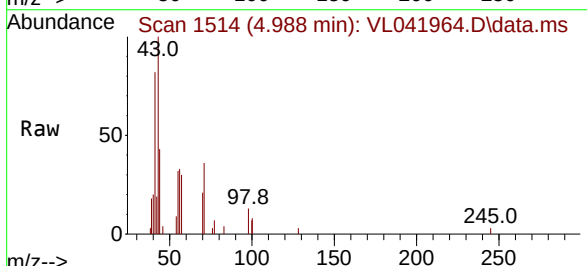
Acq: 03 Feb 2025 14:59

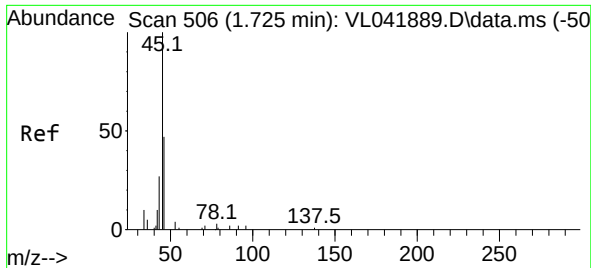
Tgt Ion: 43 Resp: 3564

Ion Ratio Lower Upper

43 100

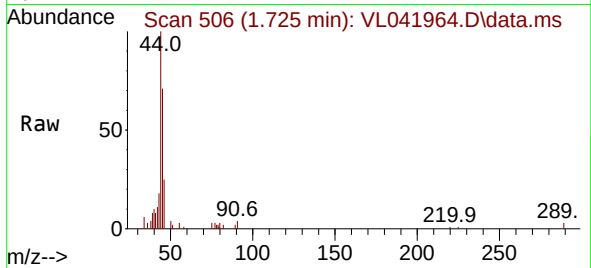
57 54.5 41.0 61.4





#13
Ethanol
Concen: 2.539 ppbv m
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

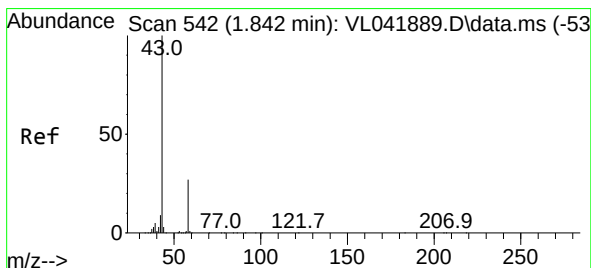
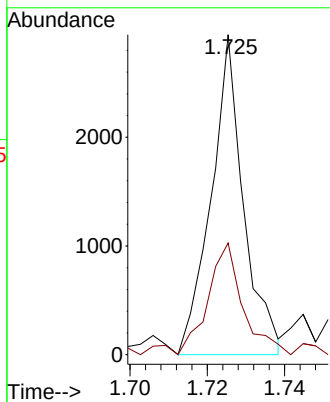
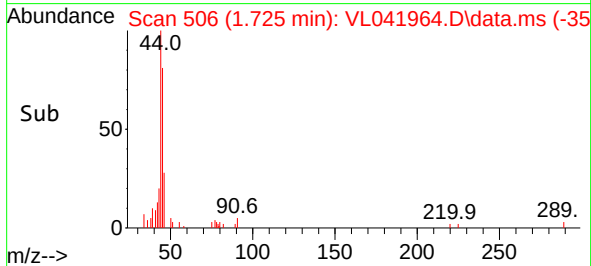
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 1715
Ion Ratio Lower Upper
45 100
46 0.0 18.1 72.5

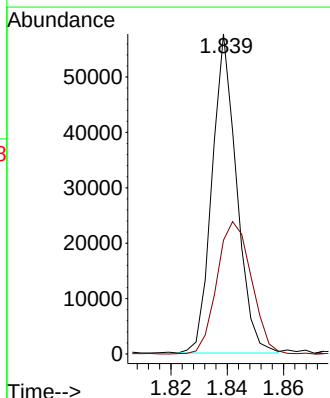
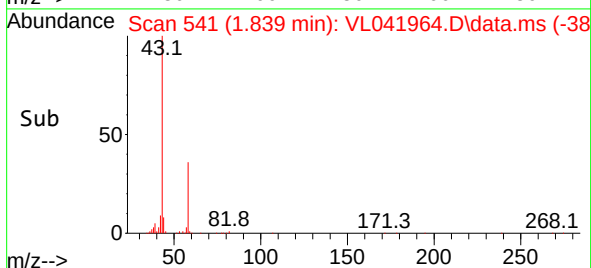
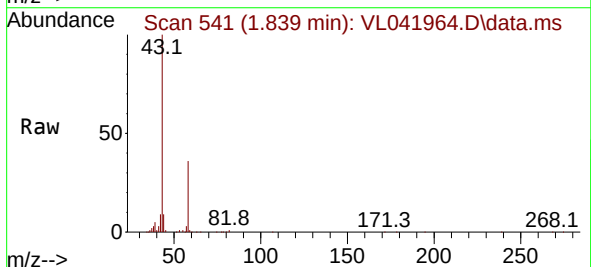
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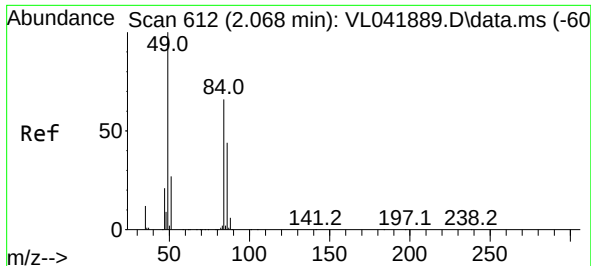
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#15
Acetone
Concen: 1.856 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

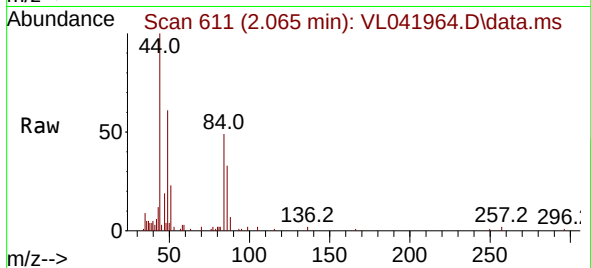
Tgt Ion: 43 Resp: 34978
Ion Ratio Lower Upper
43 100
58 58.3 21.9 32.9





#20
Methylene Chloride
Concen: 0.272 ppbv
RT: 2.065 min Scan# 612
Delta R.T. -0.003 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

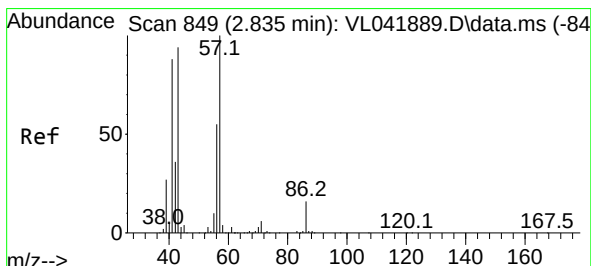
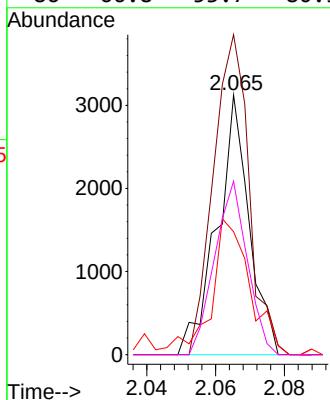
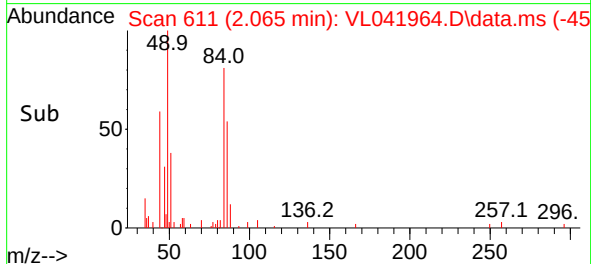
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	123.1	184.7
51	44.0	35.8	53.8
86	66.8	53.7	80.5

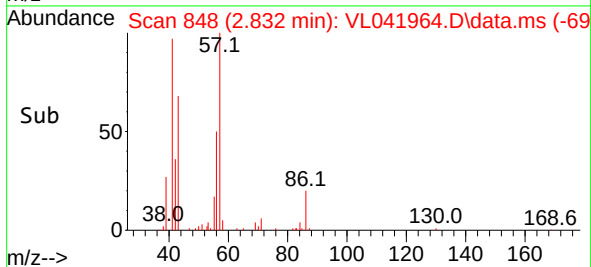
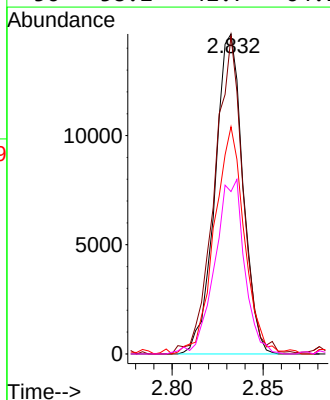
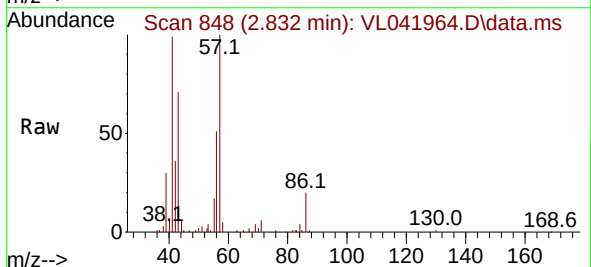
Manual Integrations
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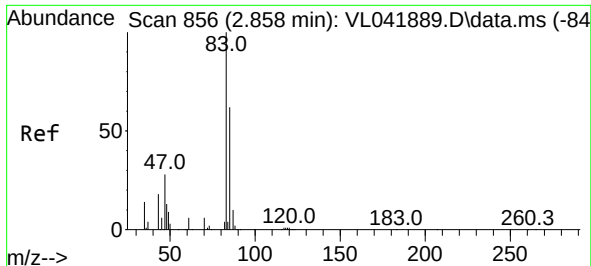
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#26
Hexane
Concen: 0.777 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.7	73.8	110.8
43	76.4	197.3	295.9#
56	58.2	42.7	64.1





#29

Chloroform

Concen: 0.396 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL041964.D

Acq: 03 Feb 2025 14:59

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 1257

Ion Ratio Lower Upper

83 100

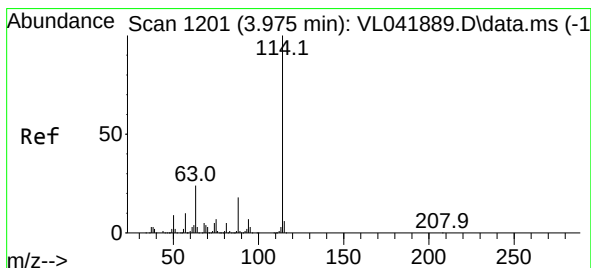
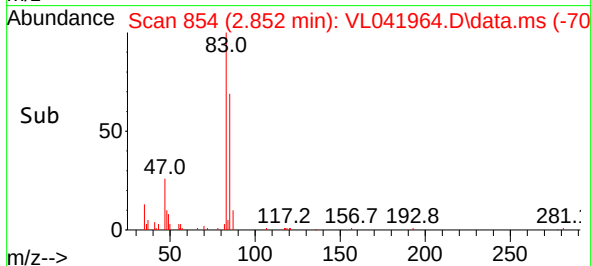
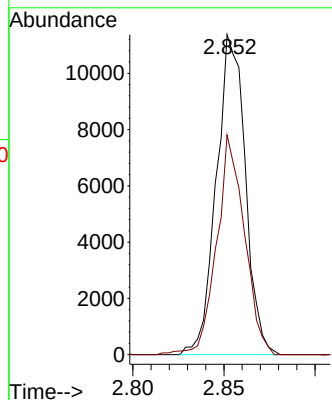
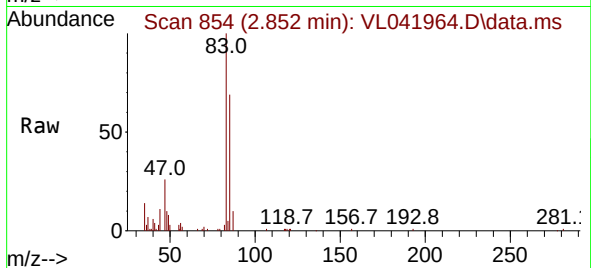
85 68.7 50.1 75.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.010 min

Lab File: VL041964.D

Acq: 03 Feb 2025 14:59

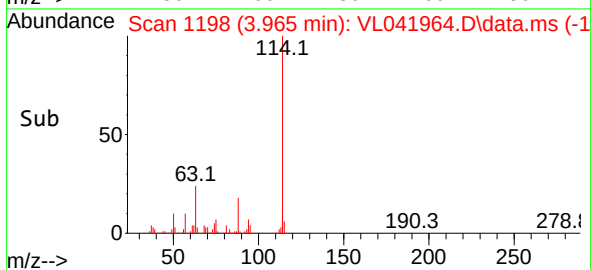
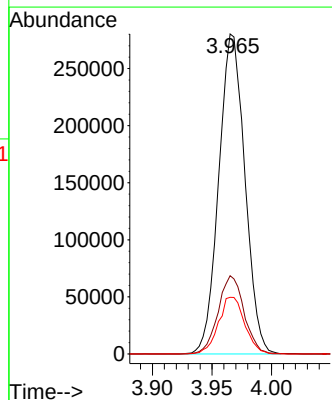
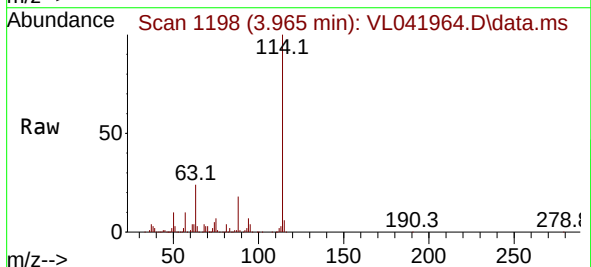
Tgt Ion:114 Resp: 427312

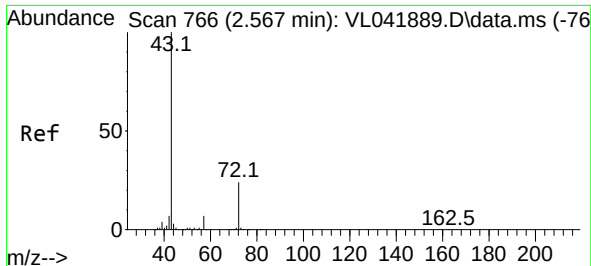
Ion Ratio Lower Upper

114 100

63 24.3 19.8 29.6

88 17.8 14.4 21.6





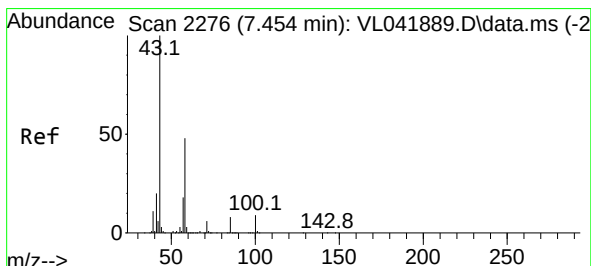
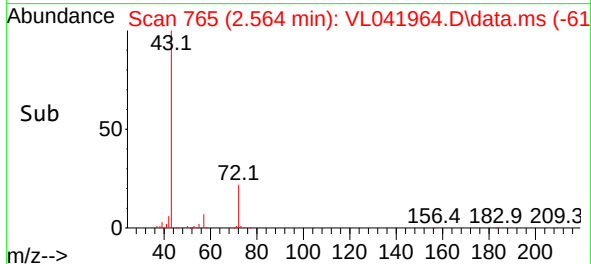
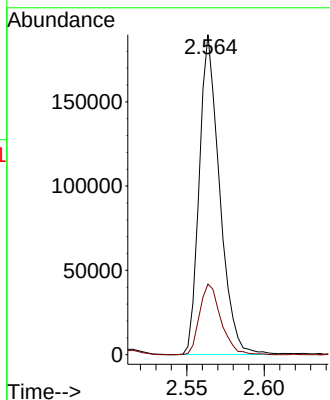
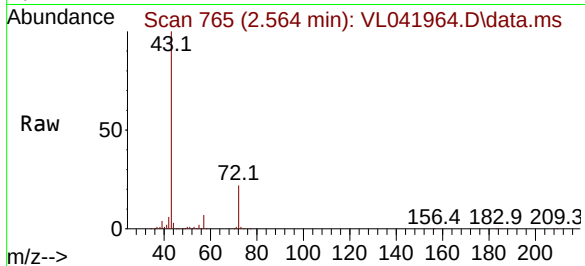
#34
2-Butanone
Concen: 6.386 ppbv
RT: 2.564 min Scan# 766
Delta R.T. -0.003 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 173530
Ion Ratio Lower Upper
43 100
72 23.0 18.6 28.0

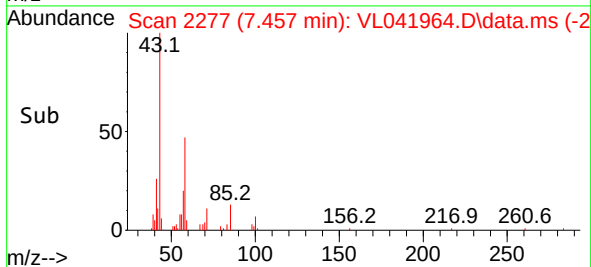
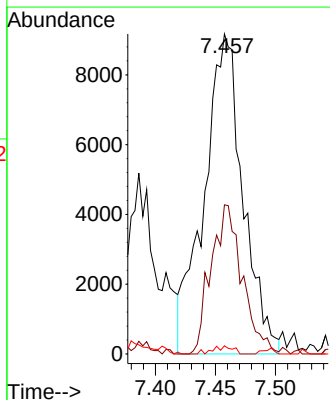
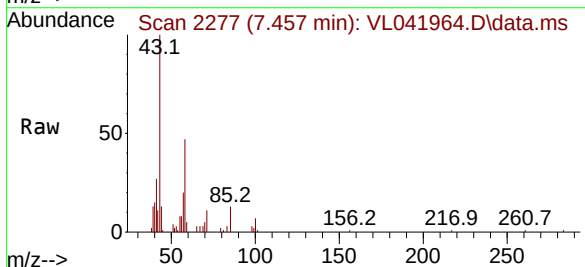
Manual Integrations
APPROVED

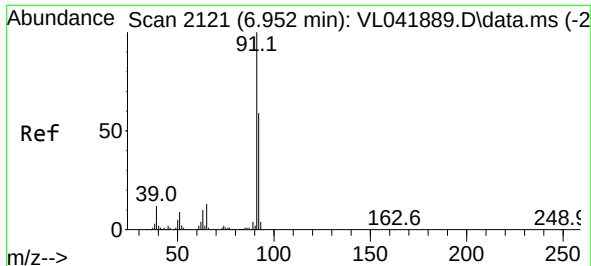
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#51
2-Hexanone
Concen: 0.724 ppbv m
RT: 7.457 min Scan# 2277
Delta R.T. 0.003 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

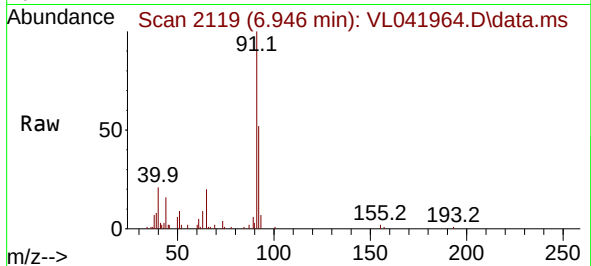
Tgt Ion: 43 Resp: 20641
Ion Ratio Lower Upper
43 100
58 0.0 40.4 60.6#
98 0.0 0.2 0.2#





#53
Toluene
Concen: 0.245 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. -0.006 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

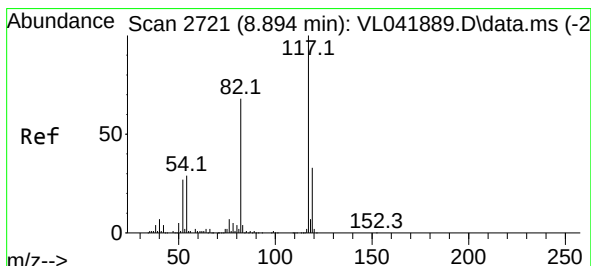
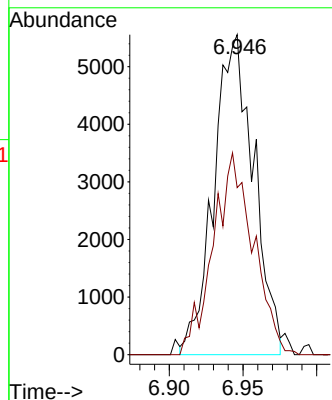
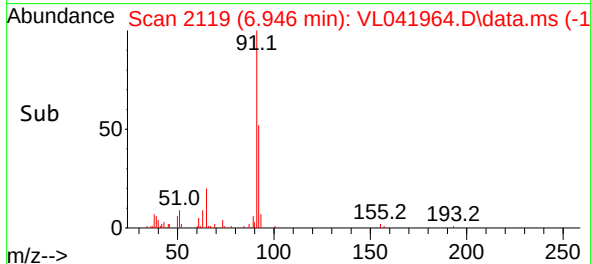
Instrument :
MSVOA_L
ClientSampleId :
SV1



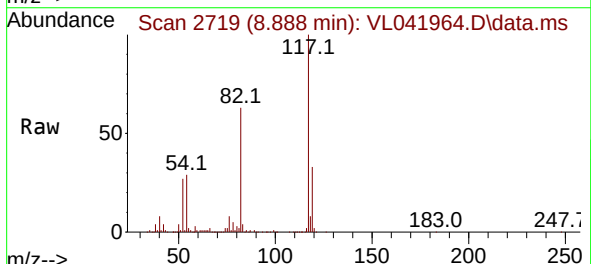
Tgt Ion: 91 Resp: 10474
Ion Ratio Lower Upper
91 100
92 63.3 47.4 71.0

Manual Integrations
APPROVED

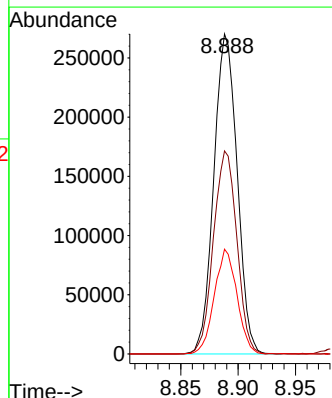
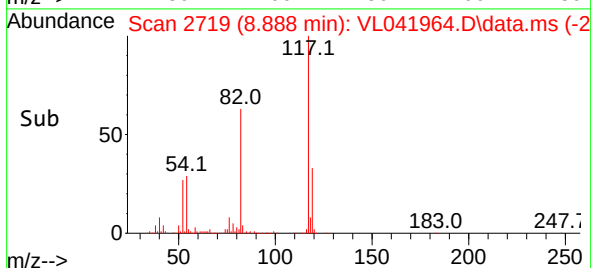
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

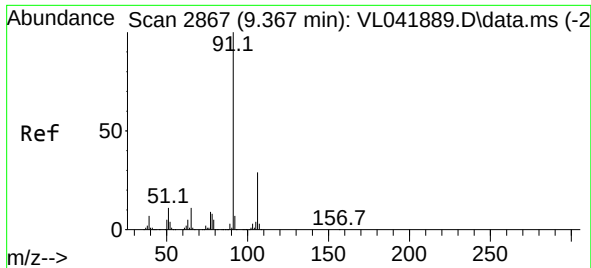


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.006 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59



Tgt Ion:117 Resp: 382639
Ion Ratio Lower Upper
117 100
82 63.7 54.2 81.4
119 31.9 25.0 37.6





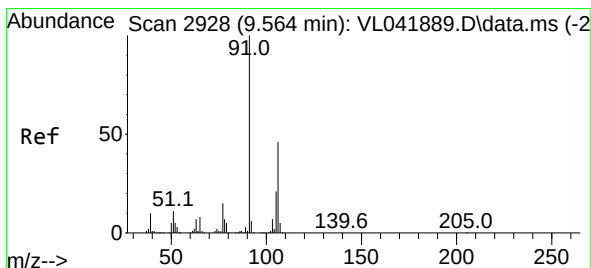
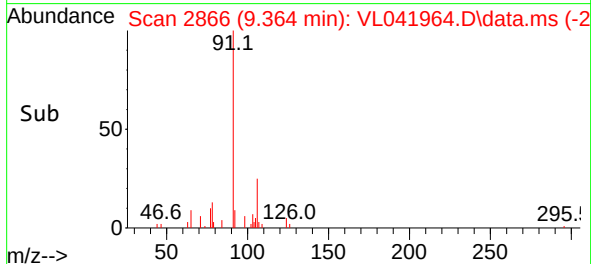
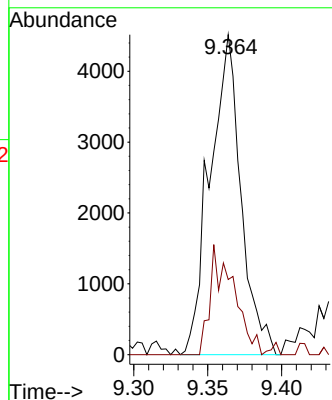
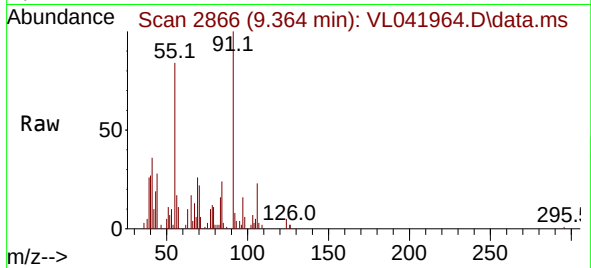
#58
Ethyl Benzene
Concen: 0.110 ppbv m
RT: 9.364 min Scan# 2867
Delta R.T. -0.003 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 657
Ion Ratio Lower Upper
91 100
106 23.5 23.1 34.7

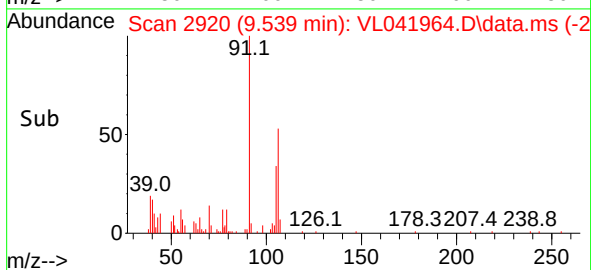
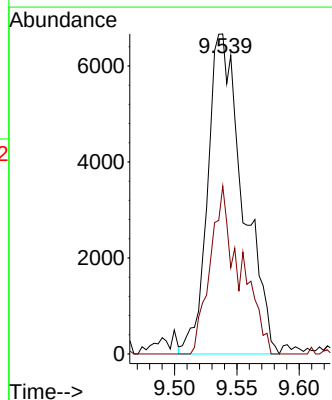
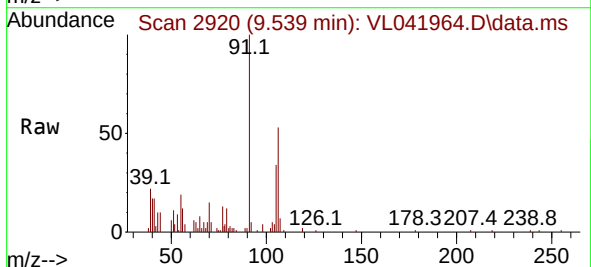
Manual Integrations
APPROVED

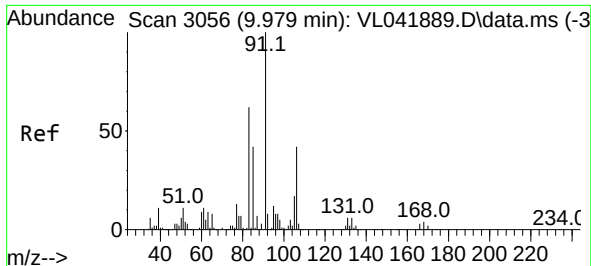
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#59
m/p-Xylene
Concen: 0.274 ppbv m
RT: 9.539 min Scan# 2920
Delta R.T. -0.026 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

Tgt Ion: 91 Resp: 13152
Ion Ratio Lower Upper
91 100
106 0.0 36.0 54.0#





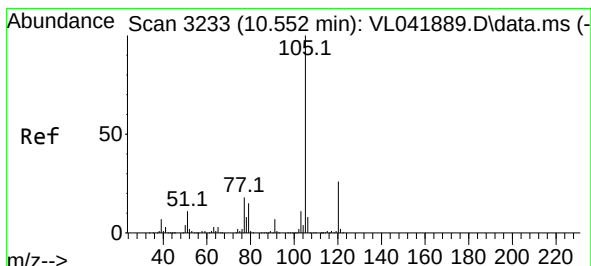
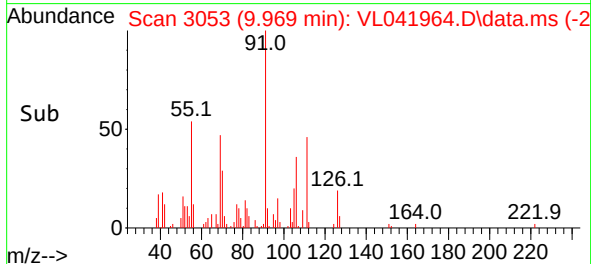
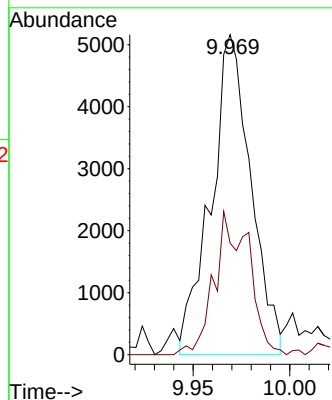
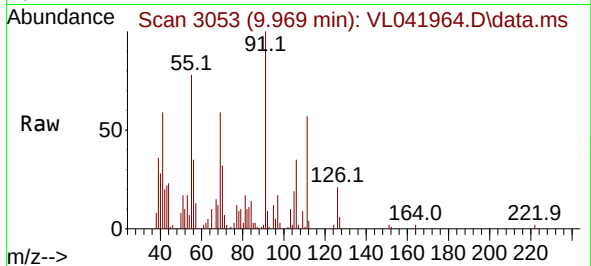
#60
o-Xylene
Concen: 0.156 ppbv
RT: 9.969 min Scan# 3056
Delta R.T. -0.010 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 740
Ion Ratio Lower Upper
91 100
106 40.5 21.3 63.9

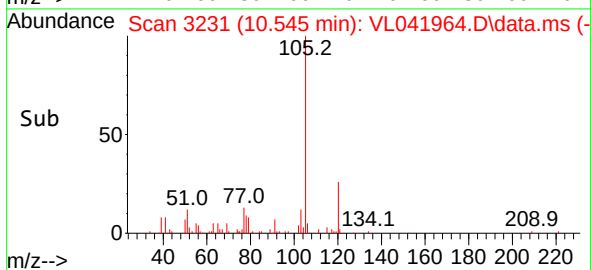
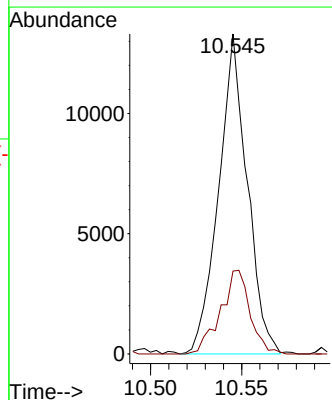
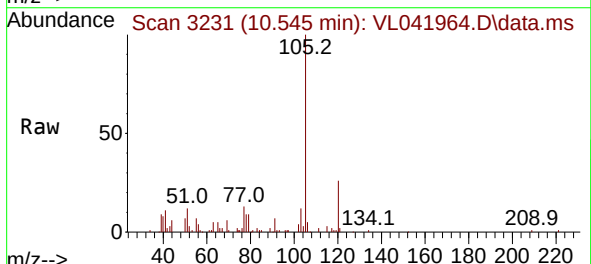
Manual Integrations
APPROVED

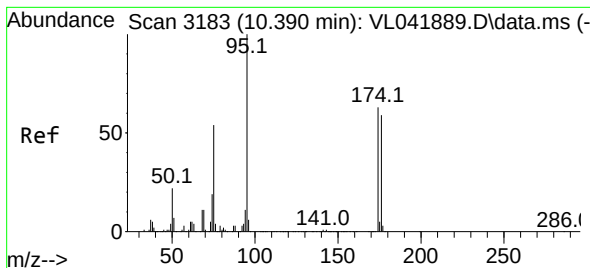
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#62
Isopropylbenzene
Concen: 0.197 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.006 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

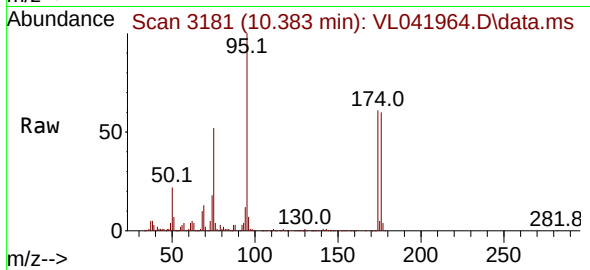
Tgt Ion:105 Resp: 14479
Ion Ratio Lower Upper
105 100
120 27.0 20.3 30.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.196 ppbv
RT: 10.383 min Scan# 3183
Delta R.T. -0.006 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

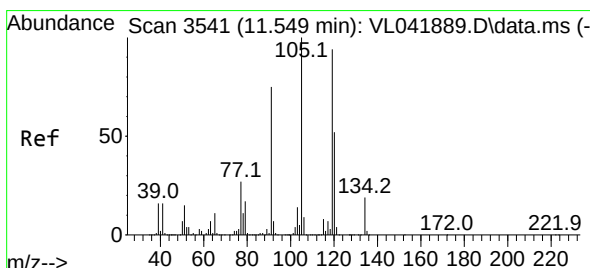
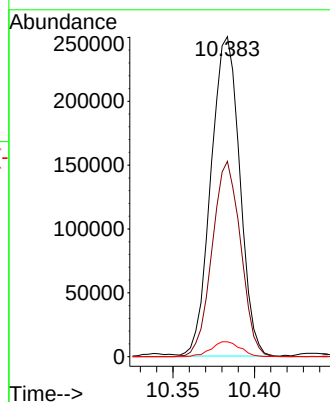
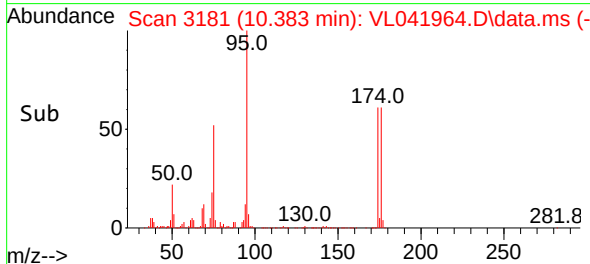
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 95 Resp: 30729
Ion Ratio Lower Upper
95 100
174 60.5 49.0 73.4
175 4.8 3.8 5.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.176 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.010 min
Lab File: VL041964.D
Acq: 03 Feb 2025 14:59

Tgt Ion:105 Resp: 9577
Ion Ratio Lower Upper
105 100
120 37.0 41.4 62.2#
91 9.2 60.2 90.2#
77 7.1 22.0 33.0#

