

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042400.D
 Acq On : 21 Apr 2025 12:07
 Operator : SY/MD
 Sample : Q1801-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS2R

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:52:43 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	2.784	49	127438	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	352813	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	303522	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	261136	10.470	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	2752	0.122	ppbv	90
10) Heptane	4.965	43	3144m	0.115	ppbv	
13) Ethanol	1.719	45	2925m	1.885	ppbv	
15) Acetone	1.835	43	15004	0.719	ppbv	93
20) Methylene Chloride	2.062	84	1839	0.225	ppbv #	87
23) Vinyl Acetate	2.460	43	53575	6.344	ppbv #	96
26) Hexane	2.823	57	42883	2.060	ppbv #	26
34) 2-Butanone	2.560	43	2937	0.105	ppbv	98
52) Tetrachloroethene	8.218	164	197775	13.446	ppbv #	86
53) Toluene	6.923	91	20734	0.454	ppbv	96
59) m/p-Xylene	9.526	91	5667m	0.117	ppbv	
74) 1,2,4-Trimethylbenzene	11.529	105	7515	0.122	ppbv #	61

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

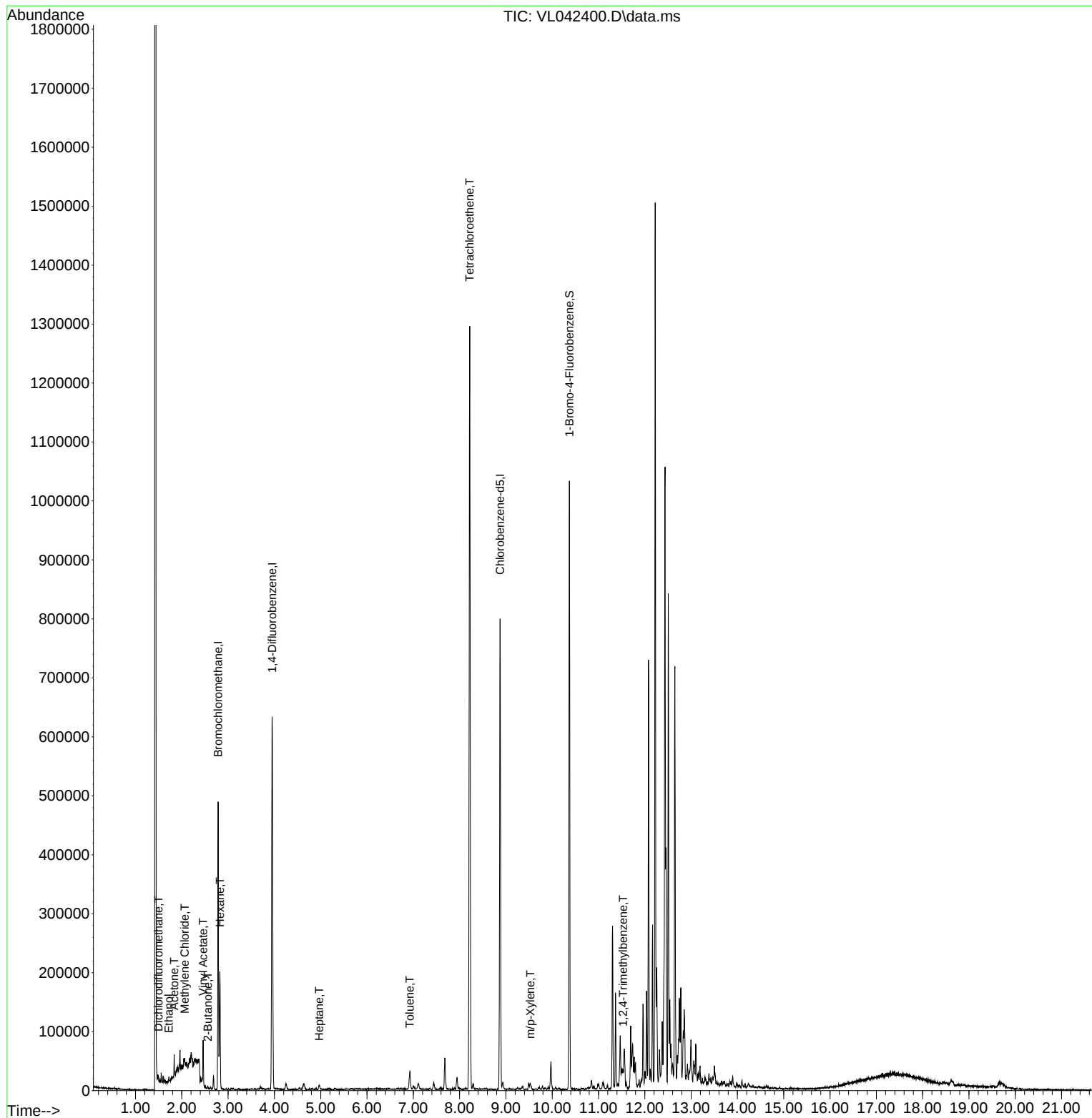
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042400.D
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Operator : SY/MD
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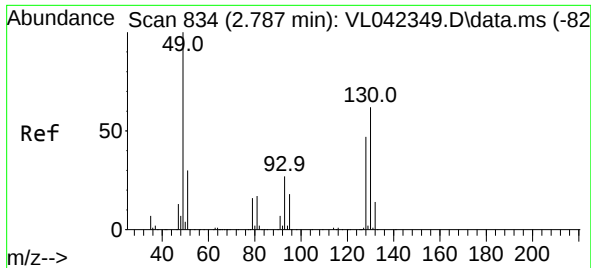
Instrument :
MSVOA_L
ClientSampleId :
SS2R

Quant Time: Apr 22 02:52:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

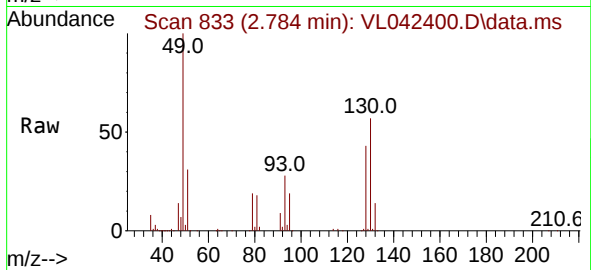
Reviewed By : Semsettin Yesilyurt 04/22/2025
Supervised By : Mahesh Dadoda 04/22/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

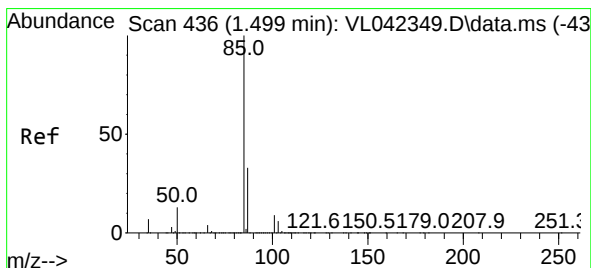
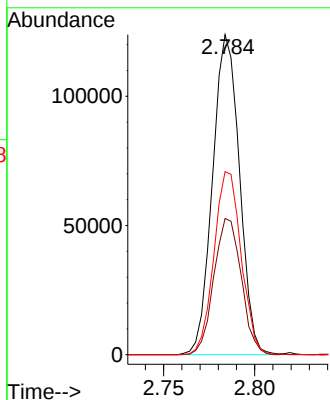
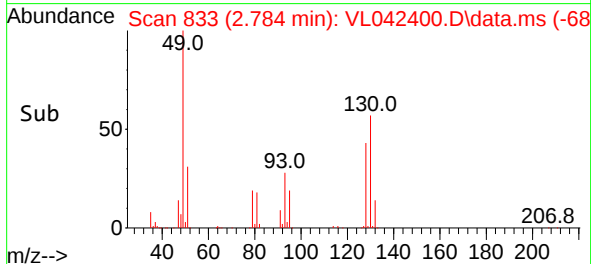
Instrument :
MSVOA_L
ClientSampleId :
SS2R



Tgt Ion: 49 Resp: 127438
Ion Ratio Lower Upper
49 100
128 43.3 22.8 68.4
130 57.8 29.3 88.0

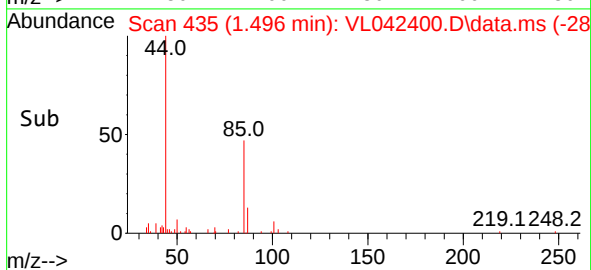
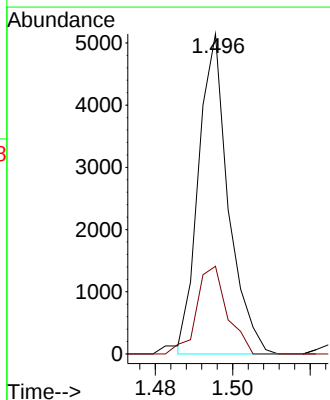
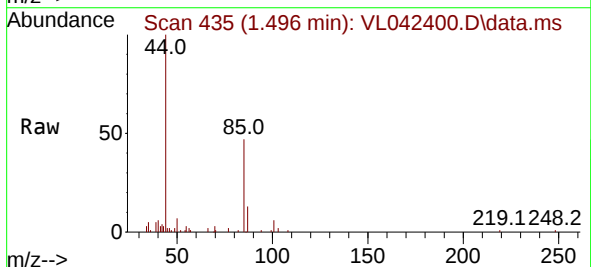
Manual Integrations
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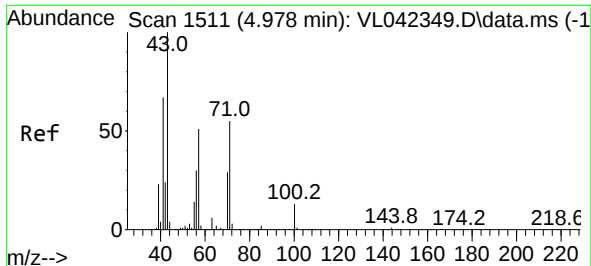
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#2
Dichlorodifluoromethane
Concen: 0.122 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

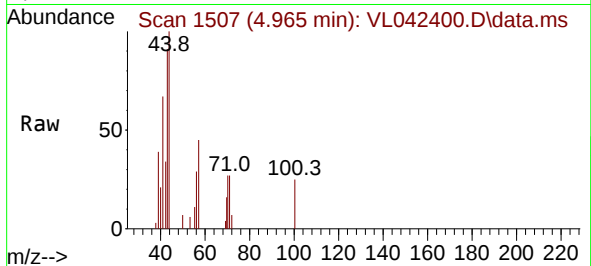
Tgt Ion: 85 Resp: 2752
Ion Ratio Lower Upper
85 100
87 27.4 26.6 39.8





#10
Heptane
Concen: 0.115 ppbv m
RT: 4.965 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

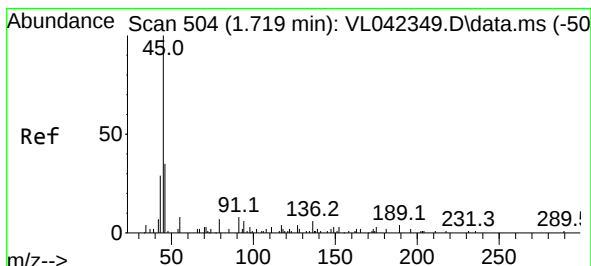
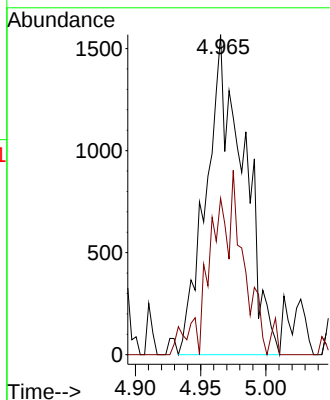
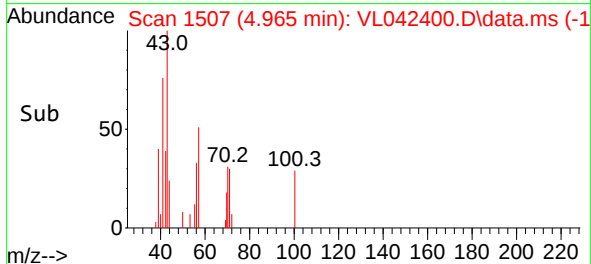
Instrument :
MSVOA_L
ClientSampleId :
SS2R



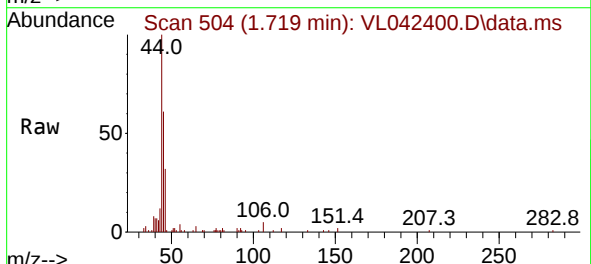
Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
57 50.2 39.9 59.9

Manual Integrations
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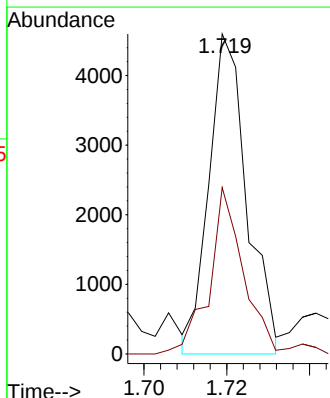
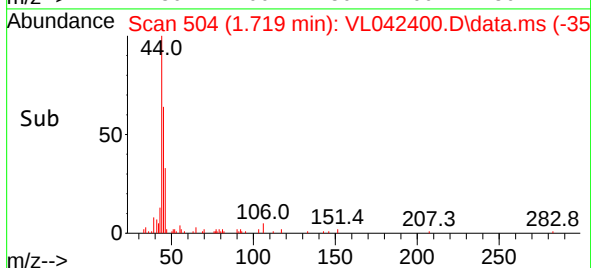
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

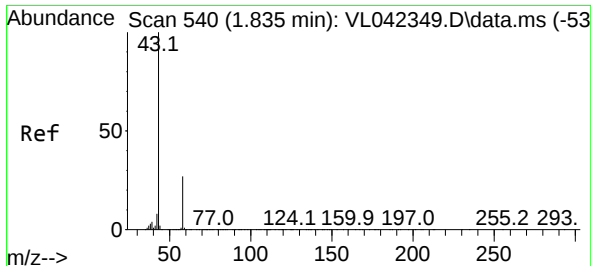


#13
Ethanol
Concen: 1.885 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07



Tgt Ion: 45 Resp: 2925
Ion Ratio Lower Upper
45 100
46 8881.7 21.9 87.7#





#15

Acetone

Concen: 0.719 ppbv

RT: 1.835 min Scan# 540

Delta R.T. 0.000 min

Lab File: VL042400.D

Acq: 21 Apr 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

SS2R

Tgt Ion: 43 Resp: 15004

Ion Ratio Lower Upper

43 100

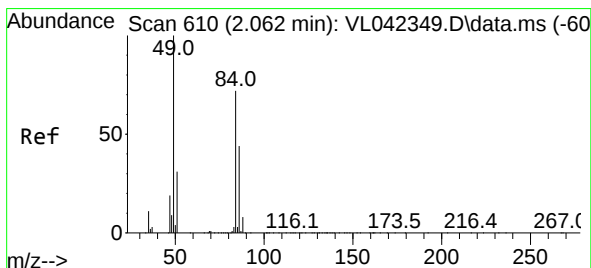
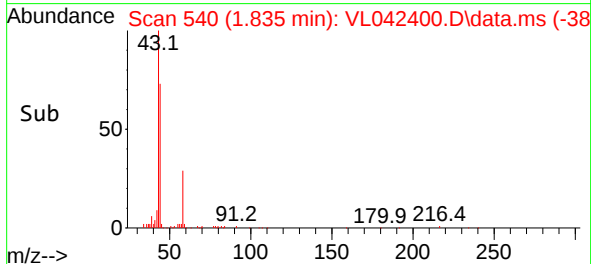
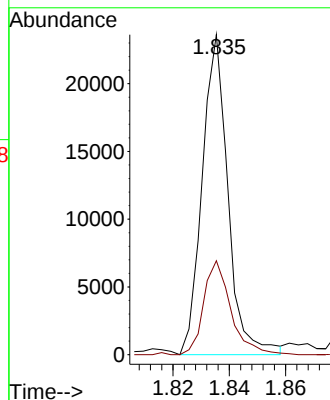
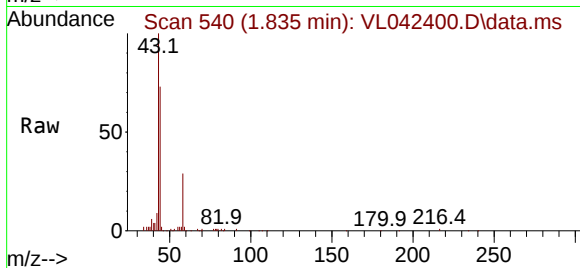
58 31.5 22.4 33.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#20

Methylene Chloride

Concen: 0.225 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.000 min

Lab File: VL042400.D

Acq: 21 Apr 2025 12:07

Tgt Ion: 84 Resp: 1839

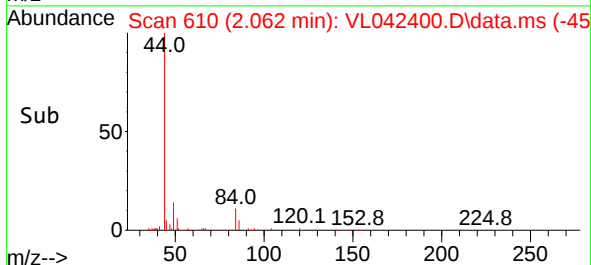
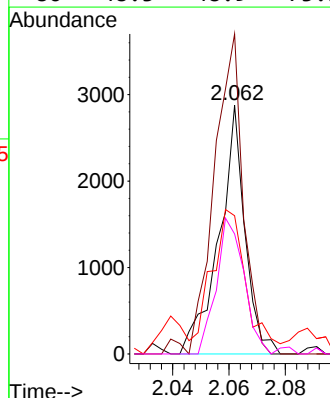
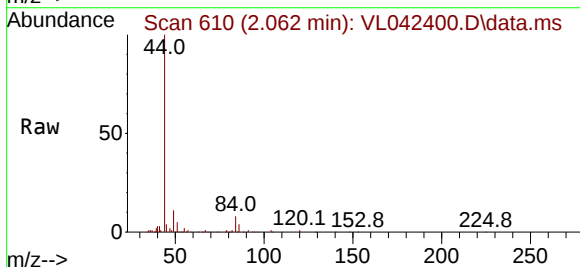
Ion Ratio Lower Upper

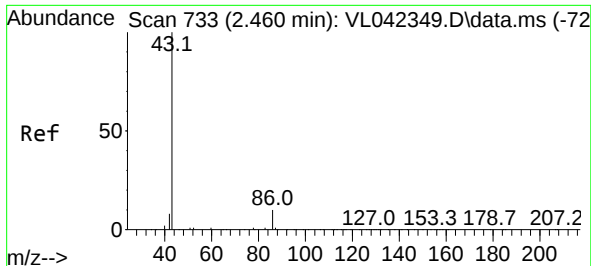
84 100

49 128.6 111.6 167.4

51 56.5 35.1 52.7#

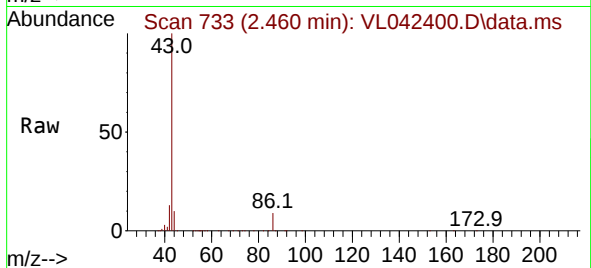
86 48.3 48.9 73.3#





#23
 Vinyl Acetate
 Concen: 6.344 ppbv
 RT: 2.460 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL042400.D
 Acq: 21 Apr 2025 12:07

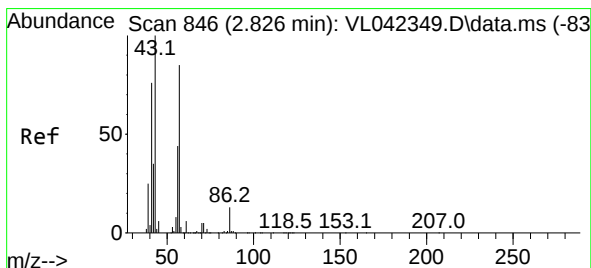
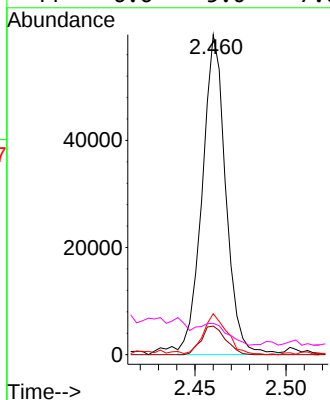
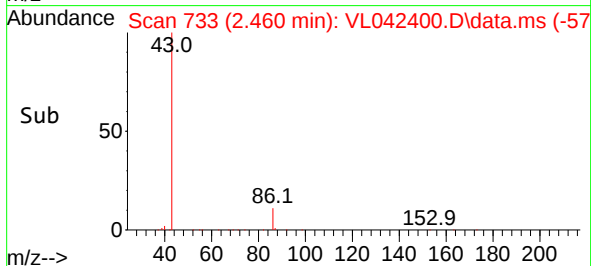
Instrument :
 MSVOA_L
 ClientSampleId :
 SS2R



Tgt Ion:	43	Resp:	5357
Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.5	9.7
42	12.9	7.8	11.8
44	6.6	5.0	7.6

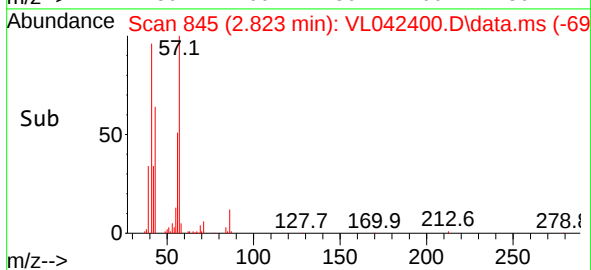
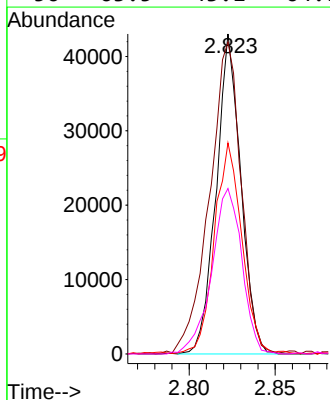
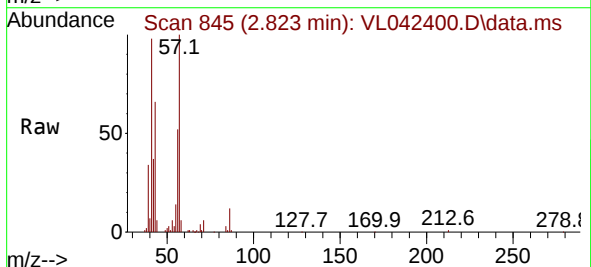
Manual Integrations
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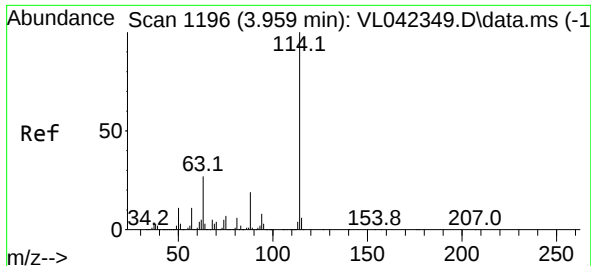
Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#26
 Hexane
 Concen: 2.060 ppbv
 RT: 2.823 min Scan# 845
 Delta R.T. -0.003 min
 Lab File: VL042400.D
 Acq: 21 Apr 2025 12:07

Tgt Ion:	57	Resp:	42883
Ion	Ratio	Lower	Upper
57	100		
41	126.1	77.9	116.9#
43	74.8	208.4	312.6#
56	63.5	43.1	64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VL042400.D

Acq: 21 Apr 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

SS2R

Tgt Ion:114 Resp: 35281

Ion Ratio Lower Upper

114 100

63 28.1 21.8 32.6

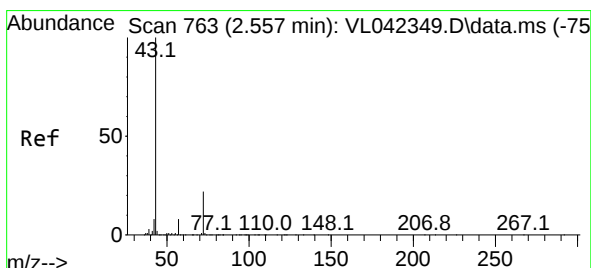
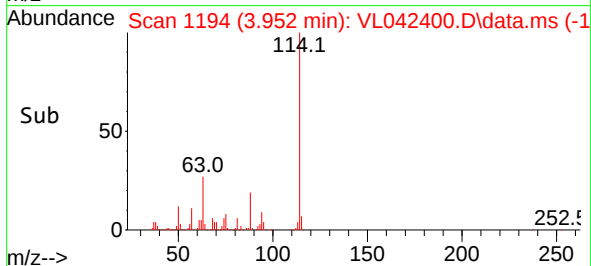
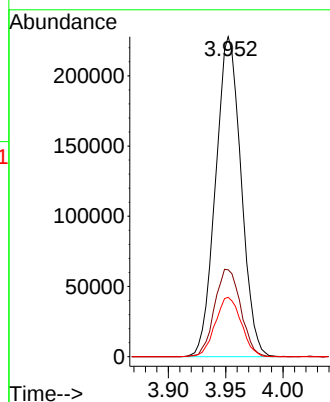
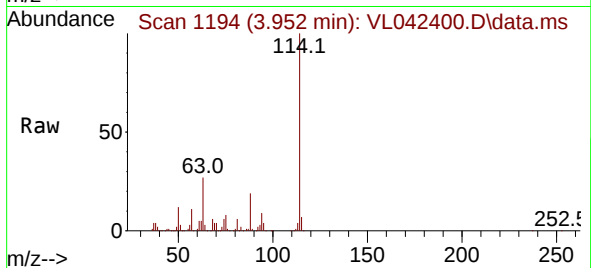
88 18.9 15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#34

2-Butanone

Concen: 0.105 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL042400.D

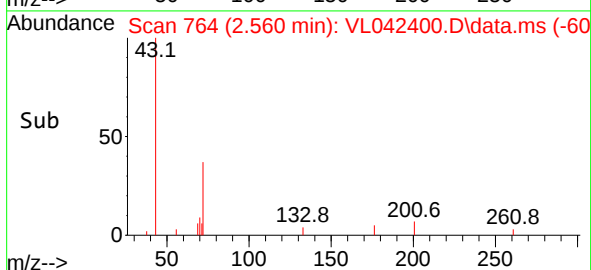
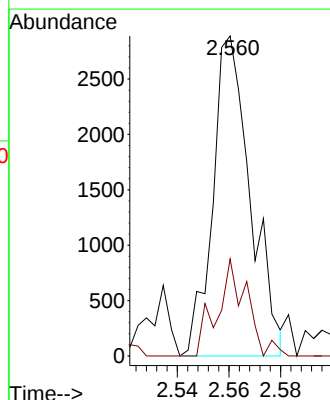
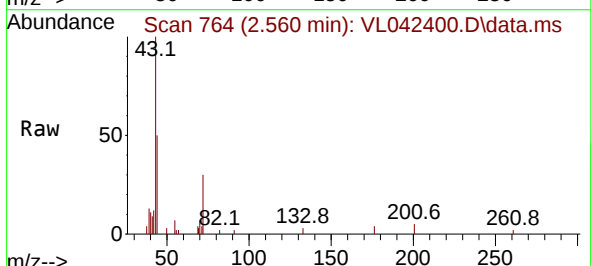
Acq: 21 Apr 2025 12:07

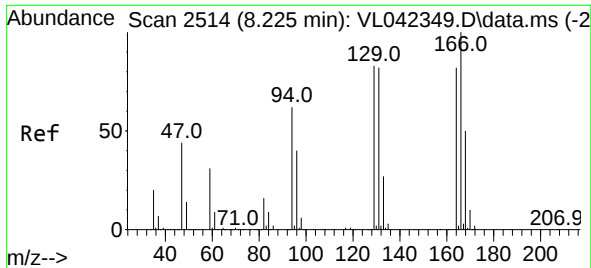
Tgt Ion: 43 Resp: 2937

Ion Ratio Lower Upper

43 100

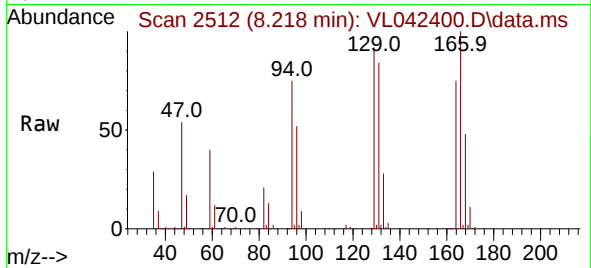
72 23.9 18.2 27.2





#52
Tetrachloroethene
Concen: 13.446 ppbv
RT: 8.218 min Scan# 2112
Delta R.T. -0.006 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

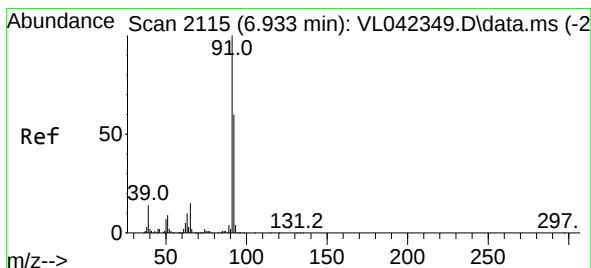
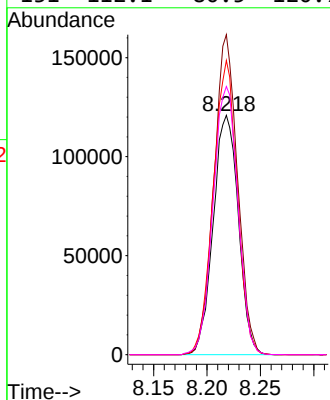
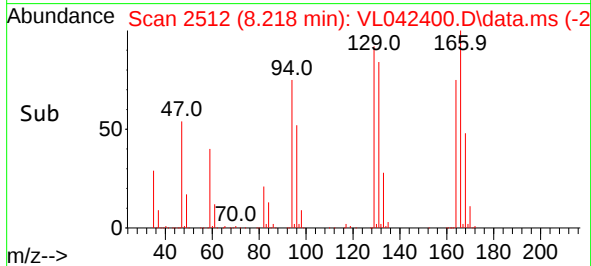
Instrument :
MSVOA_L
ClientSampleId :
SS2R



Tgt Ion:164 Resp: 197775
Ion Ratio Lower Upper
164 100
166 133.7 98.2 147.2
129 123.0 81.8 122.8
131 112.1 80.5 120.7

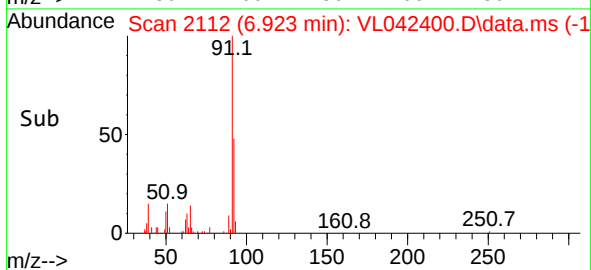
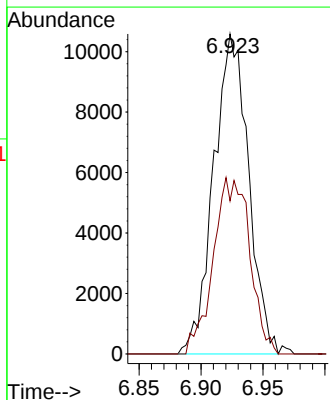
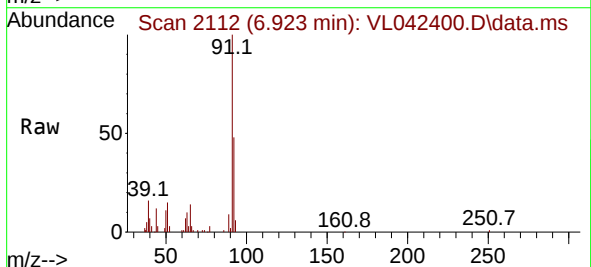
Manual Integrations
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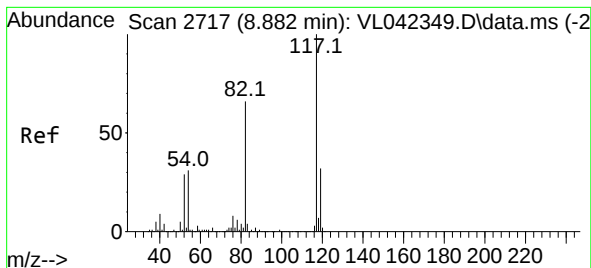
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#53
Toluene
Concen: 0.454 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.010 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

Tgt Ion: 91 Resp: 20734
Ion Ratio Lower Upper
91 100
92 57.6 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL042400.D

Acq: 21 Apr 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

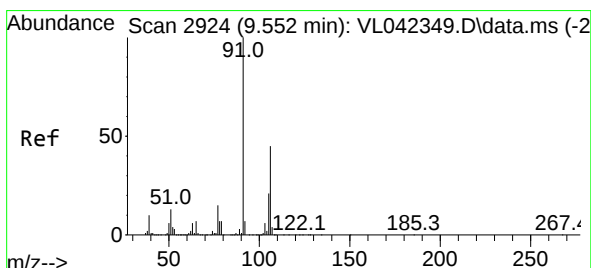
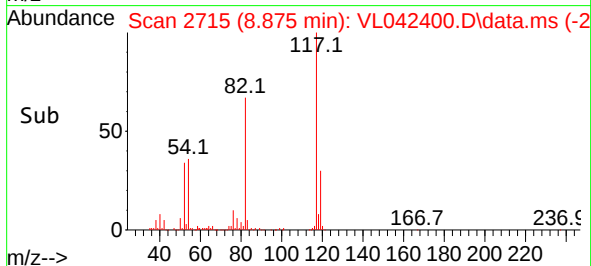
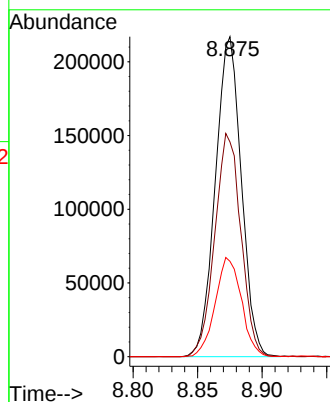
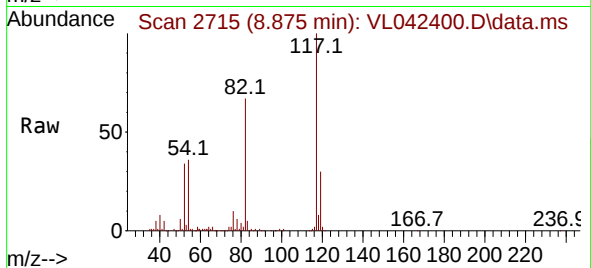
SS2R

Tgt Ion:	117	Resp:	30352
Ion Ratio	Lower	Upper	
117	100		
82	70.2	57.8	86.6
119	31.3	25.2	37.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#59

m/p-Xylene

Concen: 0.117 ppbv m

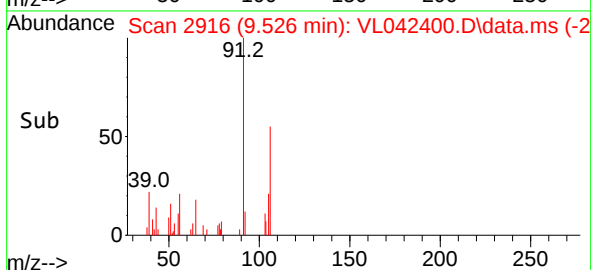
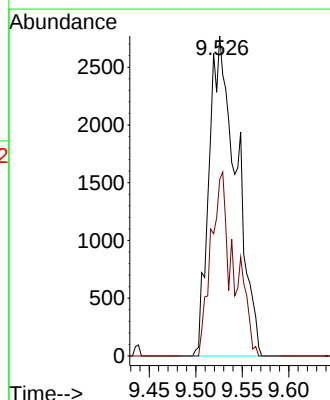
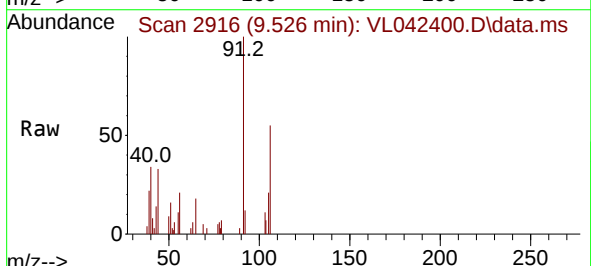
RT: 9.526 min Scan# 2916

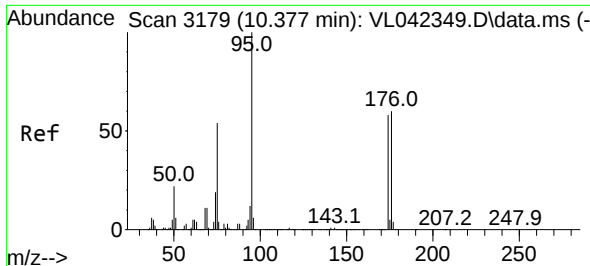
Delta R.T. -0.026 min

Lab File: VL042400.D

Acq: 21 Apr 2025 12:07

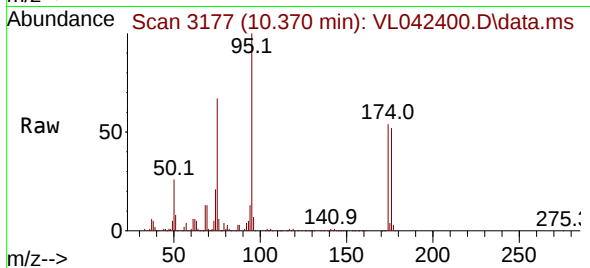
Tgt Ion:	91	Resp:	5667
Ion Ratio	Lower	Upper	
91	100		
106	0.0	35.4	53.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.470 ppbv
RT: 10.370 min Scan# 3179
Delta R.T. -0.006 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07

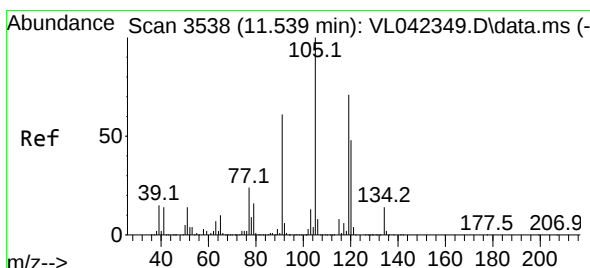
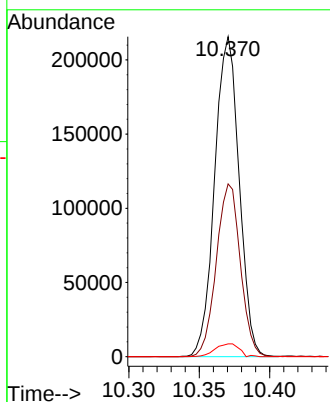
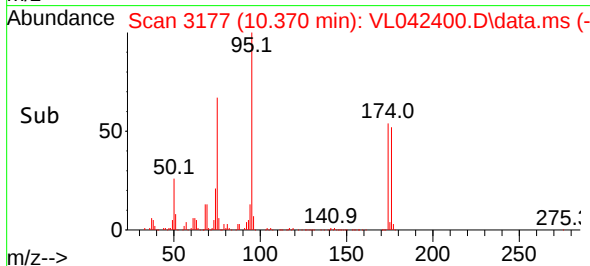
Instrument :
MSVOA_L
ClientSampleId :
SS2R



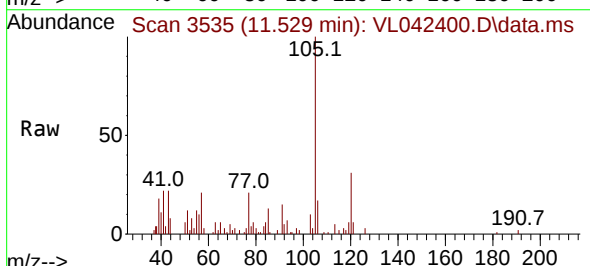
Tgt Ion: 95 Resp: 261130
Ion Ratio Lower Upper
95 100
174 53.0 48.5 72.7
175 4.0 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.122 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.010 min
Lab File: VL042400.D
Acq: 21 Apr 2025 12:07



Tgt Ion:105 Resp: 7515
Ion Ratio Lower Upper
105 100
120 31.3 38.1 57.1#
91 12.9 48.8 73.2#
77 21.0 19.0 28.4

