

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043325.D
 Acq On : 08 Dec 2025 22:28
 Operator : SY/MD
 Sample : Q3797-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 01:25:27 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	128719	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	318059	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	253167	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	197932	10.666	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.495	85	2451	0.135	ppbv	94
4) Chloromethane	1.531	50	934	0.138	ppbv #	79
9) Propene	1.486	41	8706	1.148	ppbv #	1
13) Ethanol	1.719	45	299434	112.315	ppbv	100
15) Acetone	1.832	43	314268	17.573	ppbv	100
17) tert-Butyl alcohol	2.036	59	18499	0.788	ppbv	100
19) Isopropyl Alcohol	1.881	45	93011	9.204	ppbv #	22
20) Methylene Chloride	2.059	84	10873	1.387	ppbv	89
29) Chloroform	2.842	83	6293	0.262	ppbv	98
34) 2-Butanone	2.551	43	22377	0.997	ppbv	100
38) Trichloroethene	4.528	130	1117m	0.094	ppbv	
41) Tetrahydrofuran	3.052	42	4265	0.344	ppbv	94
43) Methyl Methacrylate	4.862	69	2858m	0.177	ppbv	
53) Toluene	6.914	91	10440m	0.289	ppbv	
59) m/p-Xylene	9.516	91	10630m	0.272	ppbv	
60) o-Xylene	9.953	91	5660m	0.145	ppbv	
74) 1,2,4-Trimethylbenzene	11.523	105	11320	0.260	ppbv #	44

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

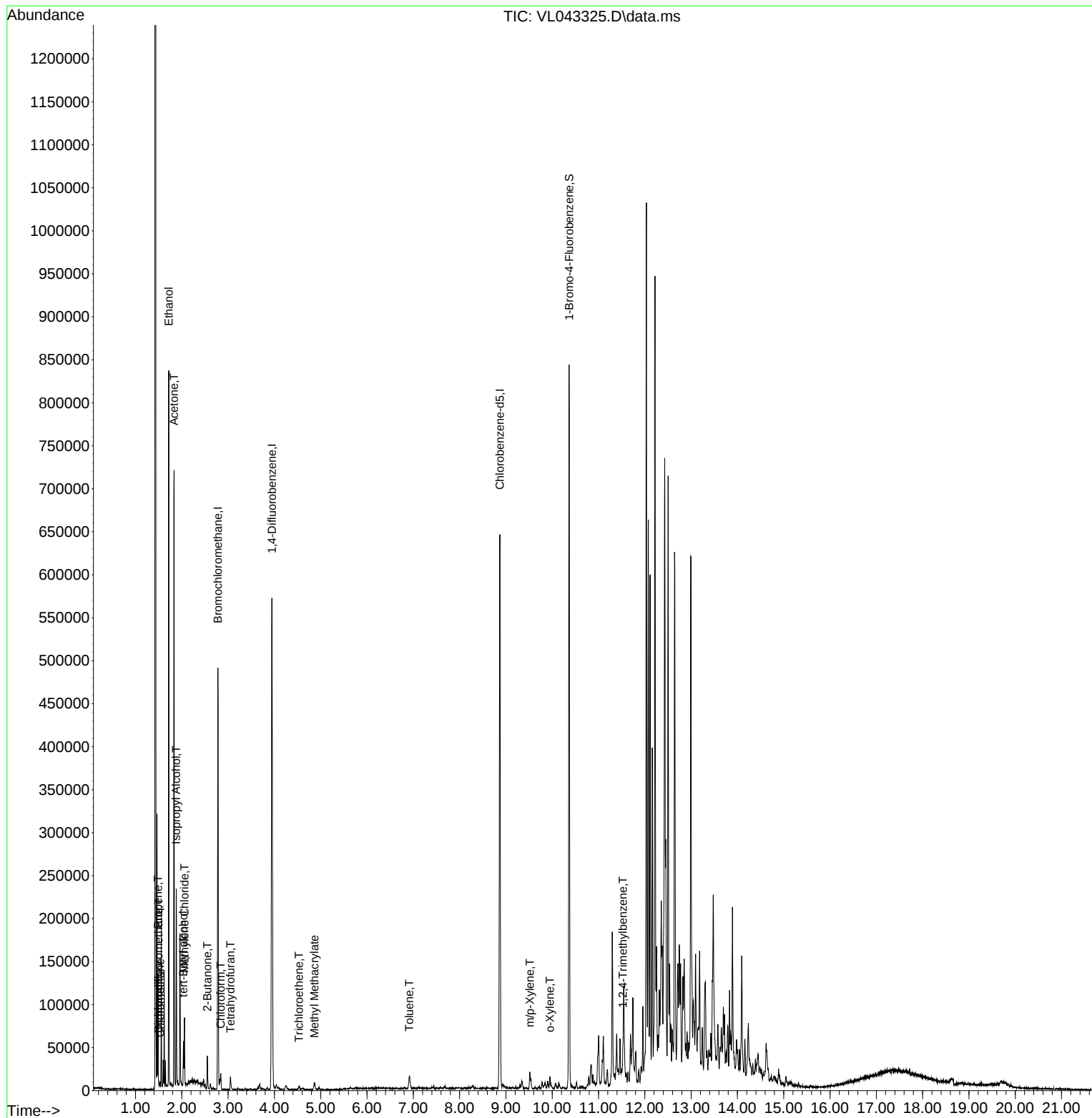
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043325.D
Acq On : 08 Dec 2025 22:28
Operator : SY/MD
Sample : Q3797-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

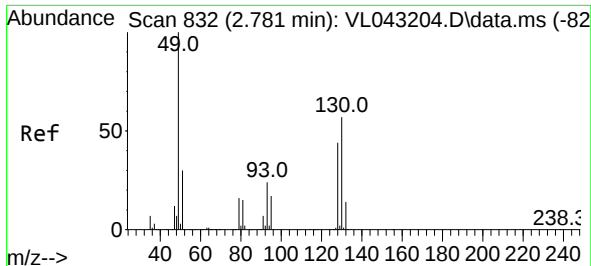
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Dec 09 01:25:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

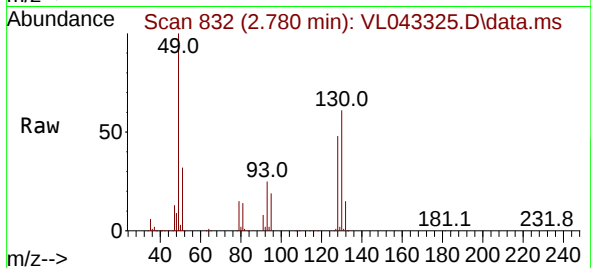
Reviewed By : Semsettin Yesilyurt 12/09/2025
Supervised By : Mahesh Dadoda 12/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

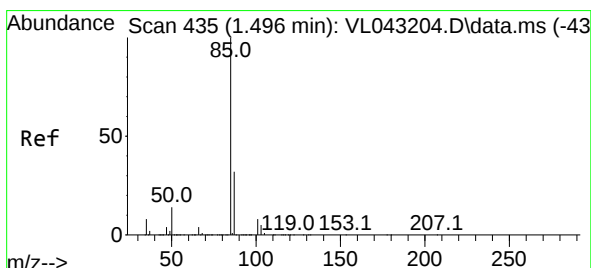
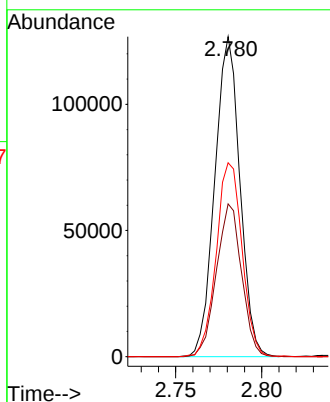
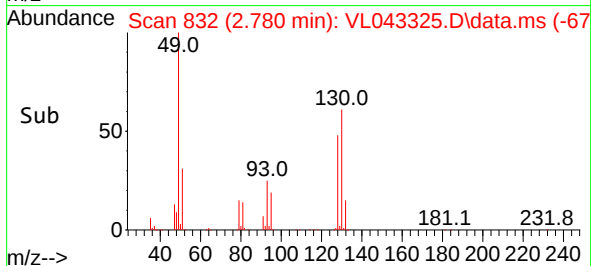
Instrument :
MSVOA_L
ClientSampleId :
SV1



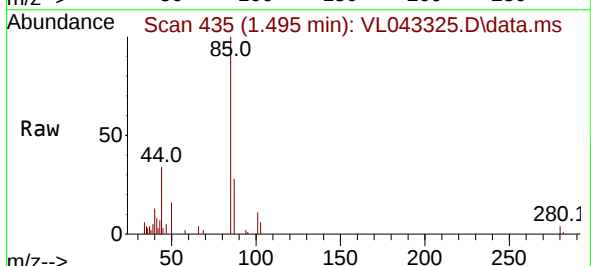
Tgt Ion: 49 Resp: 128719
Ion Ratio Lower Upper
49 100
128 47.9 23.0 69.0
130 62.4 29.9 89.7

Manual Integrations
APPROVED

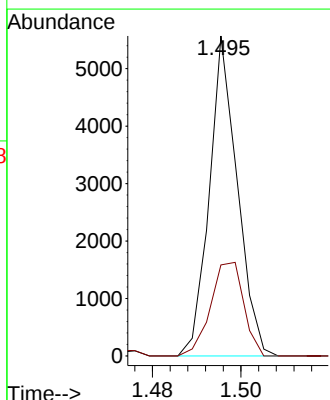
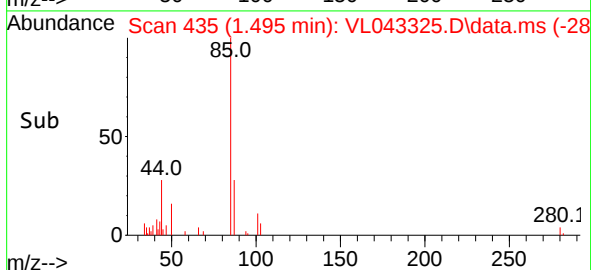
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

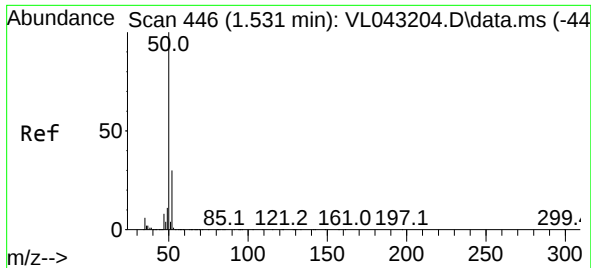


#2
Dichlorodifluoromethane
Concen: 0.135 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28



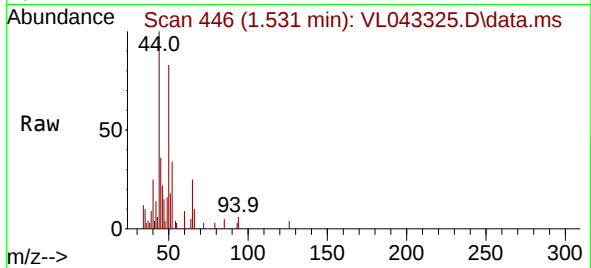
Tgt Ion: 85 Resp: 2451
Ion Ratio Lower Upper
85 100
87 28.4 25.4 38.2





#4
Chloromethane
Concen: 0.138 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

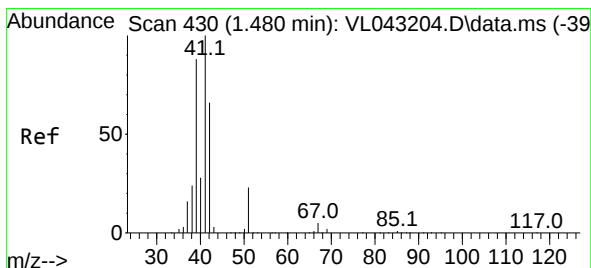
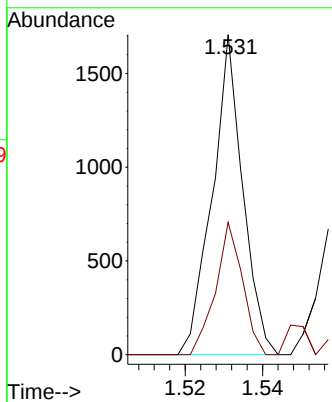
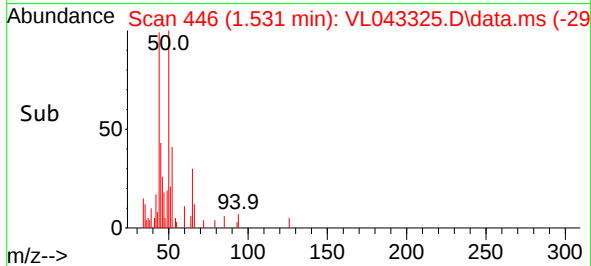
Instrument :
MSVOA_L
ClientSampleId :
SV1



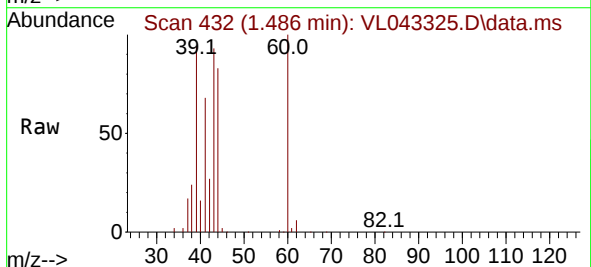
Tgt Ion: 50 Resp: 934
Ion Ratio Lower Upper
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52 41.4 24.1 36.1

Manual Integrations
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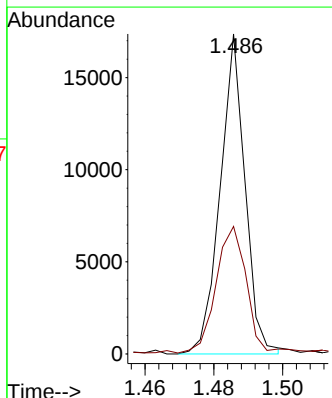
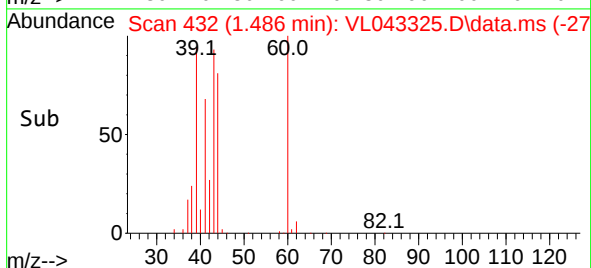
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

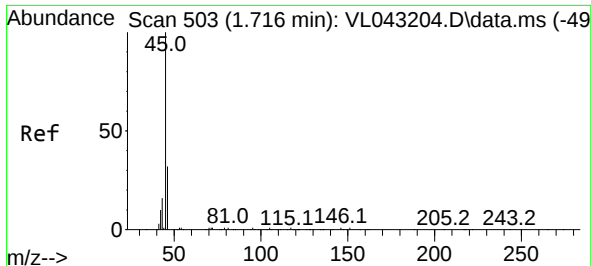


#9
Propene
Concen: 1.148 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.006 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28



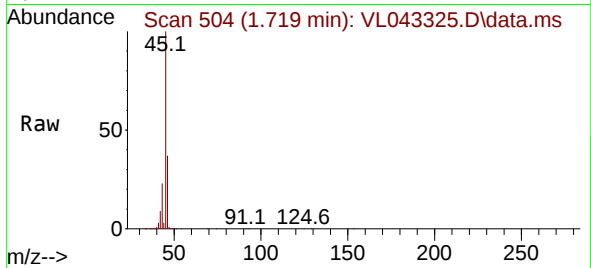
Tgt Ion: 41 Resp: 8706
Ion Ratio Lower Upper
41 100
42 54.4 3.7 5.5





#13
Ethanol
Concen: 112.315 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

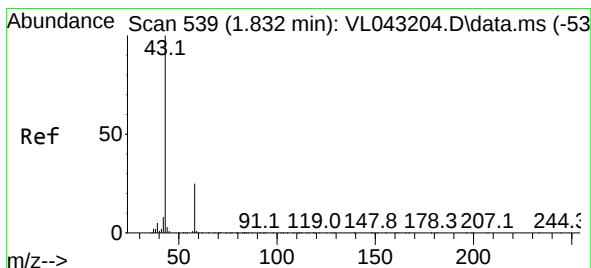
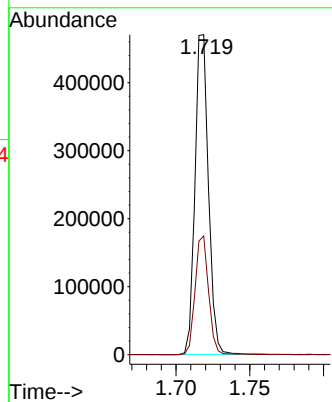
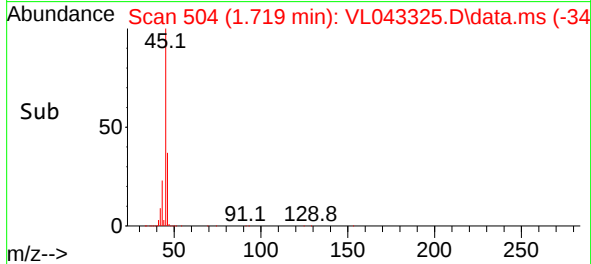
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 299434
Ion Ratio Lower Upper
45 100
46 37.2 15.0 59.8

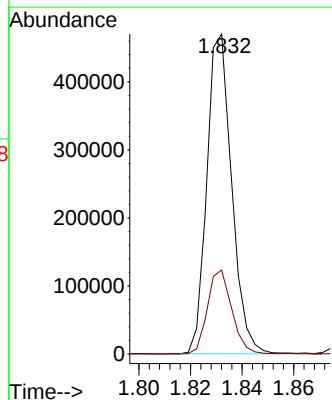
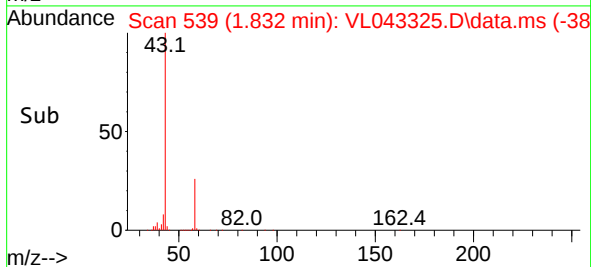
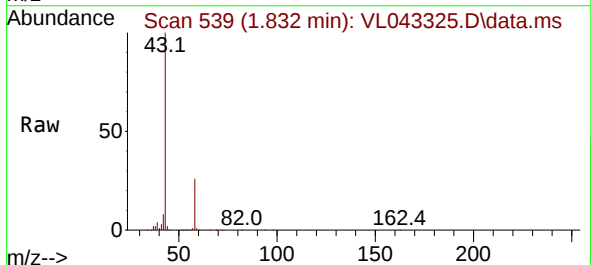
Manual Integrations
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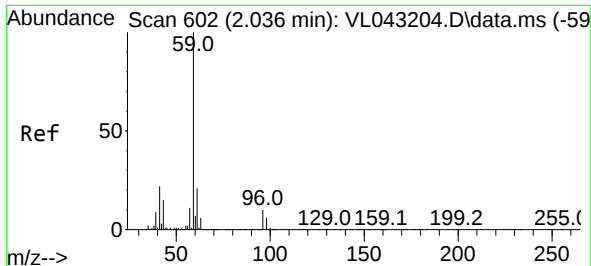
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#15
Acetone
Concen: 17.573 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

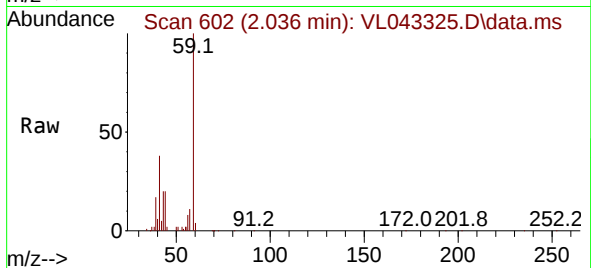
Tgt Ion: 43 Resp: 314268
Ion Ratio Lower Upper
43 100
58 25.7 20.7 31.1





#17
tert-Butyl alcohol
Concen: 0.788 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

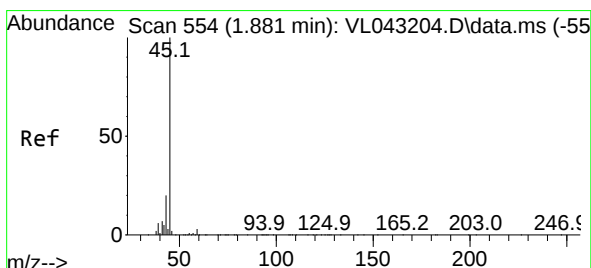
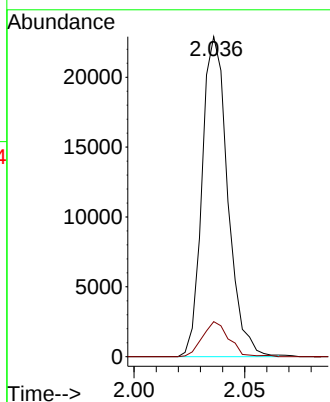
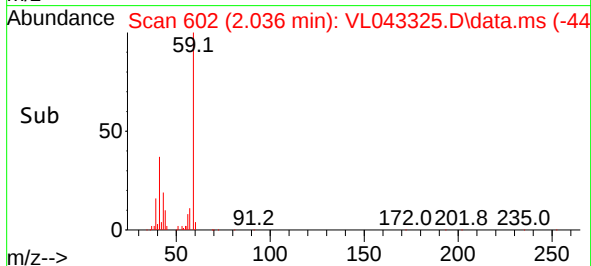
Instrument :
MSVOA_L
ClientSampleId :
SV1



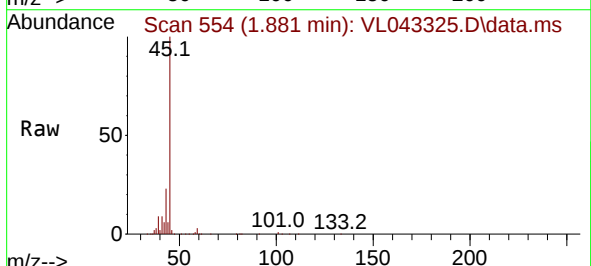
Tgt Ion: 59 Resp: 18499
Ion Ratio Lower Upper
59 100
57 11.4 9.0 13.4

Manual Integrations
APPROVED

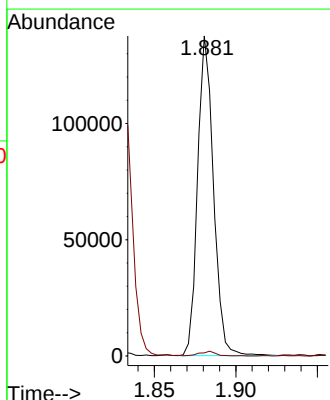
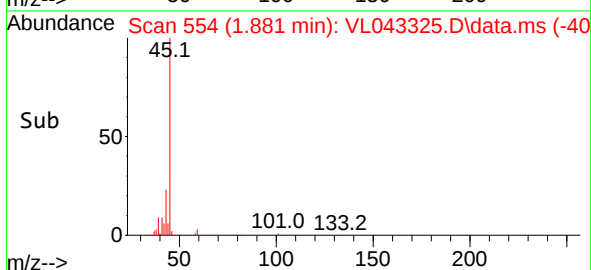
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

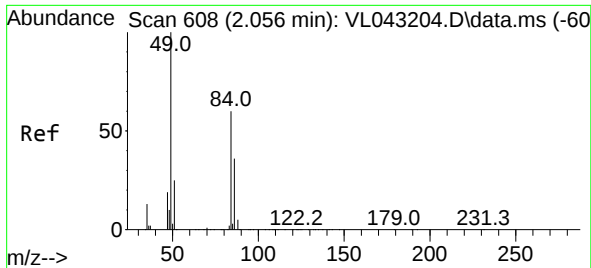


#19
Isopropyl Alcohol
Concen: 9.204 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28



Tgt Ion: 45 Resp: 93011
Ion Ratio Lower Upper
45 100
58 87.0 31.3 46.9





#20

Methylene Chloride

Concen: 1.387 ppbv

RT: 2.059 min Scan# 608

Delta R.T. 0.003 min

Lab File: VL043325.D

Acq: 08 Dec 2025 22:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 1087

Ion Ratio Lower Upper

84 100

49 147.8 132.9 199.3

51 48.3 34.8 52.2

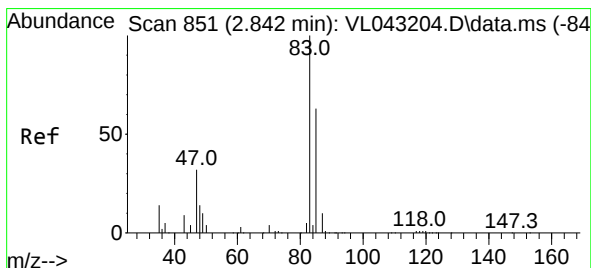
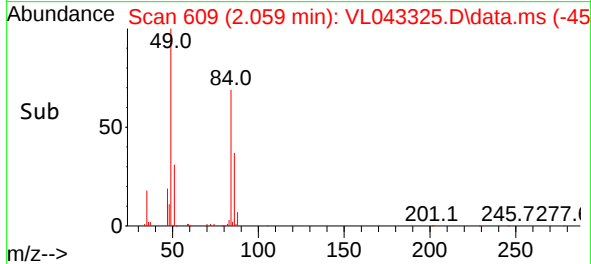
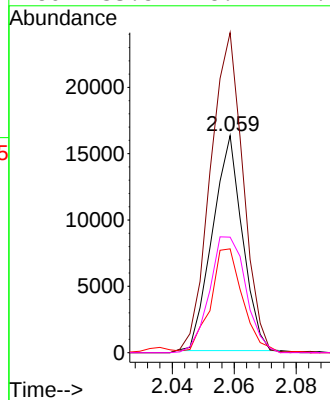
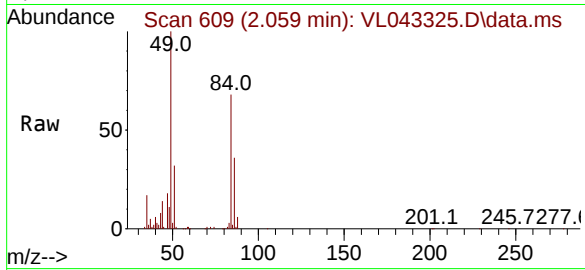
86 53.8 48.2 72.2

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 12/11/2025



#29

Chloroform

Concen: 0.262 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.000 min

Lab File: VL043325.D

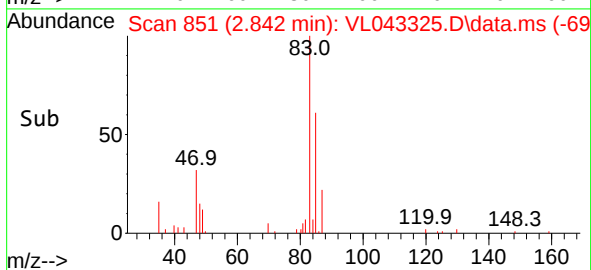
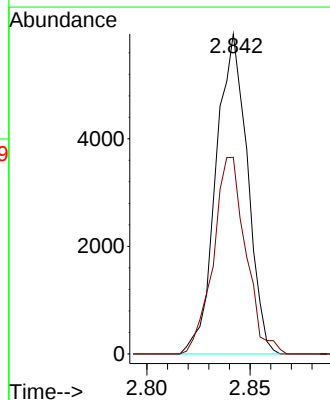
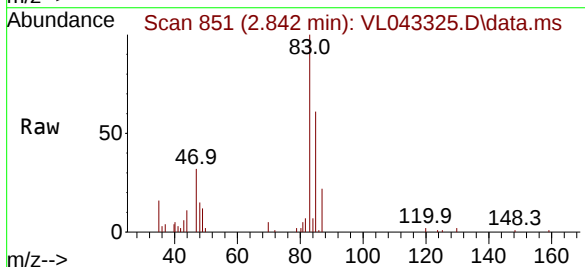
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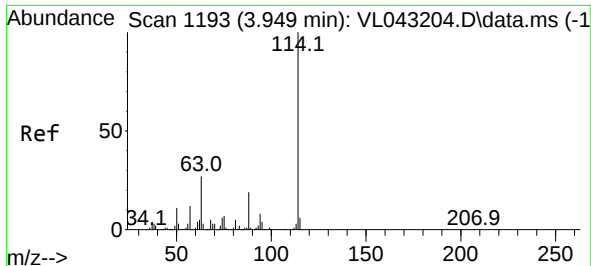
Tgt Ion: 83 Resp: 6293

Ion Ratio Lower Upper

83 100

85 61.4 50.5 75.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1193

Delta R.T. -0.004 min

Lab File: VL043325.D

Acq: 08 Dec 2025 22:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 31805

Ion Ratio Lower Upper

114 100

63 25.7 21.0 31.6

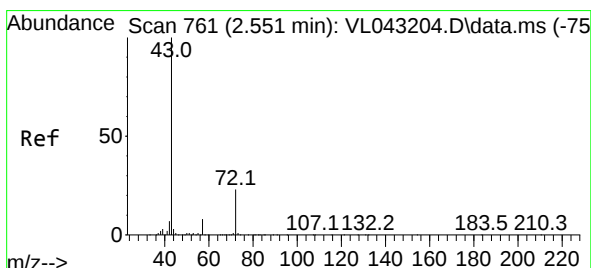
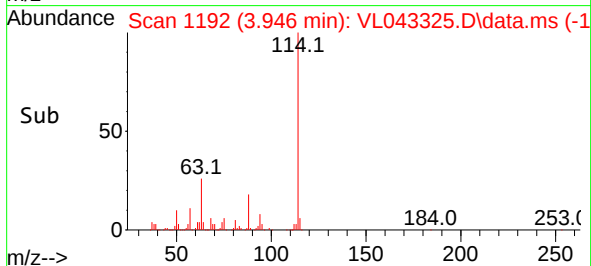
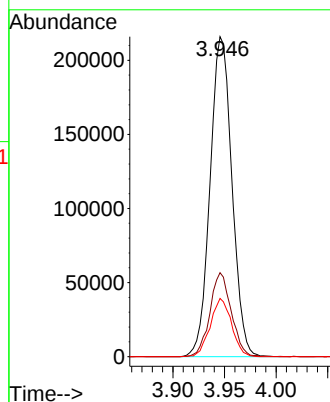
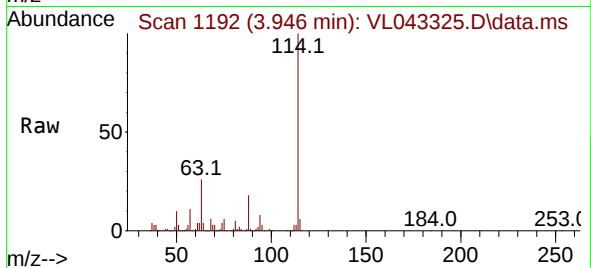
88 17.7 14.9 22.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/09/2025

Supervised By :Mahesh Dadoda 12/11/2025



#34

2-Butanone

Concen: 0.997 ppbv

RT: 2.551 min Scan# 761

Delta R.T. -0.000 min

Lab File: VL043325.D

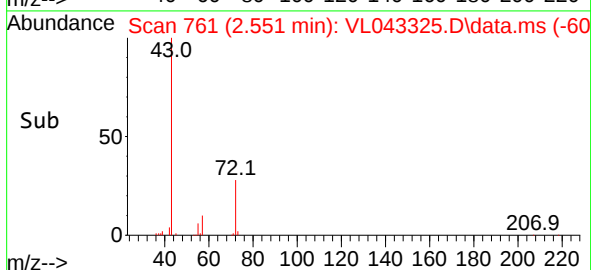
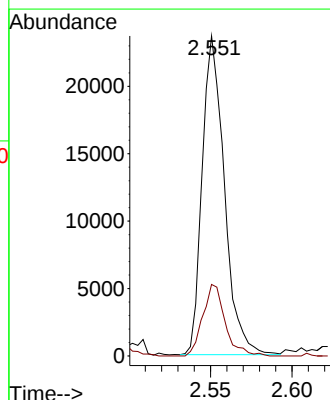
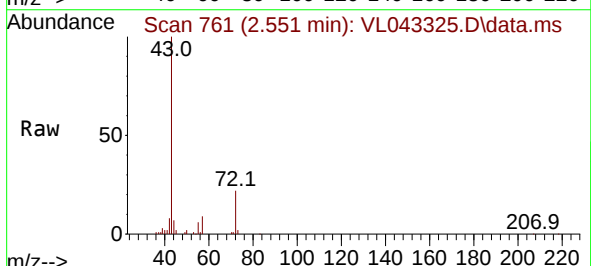
Acq: 08 Dec 2025 22:28

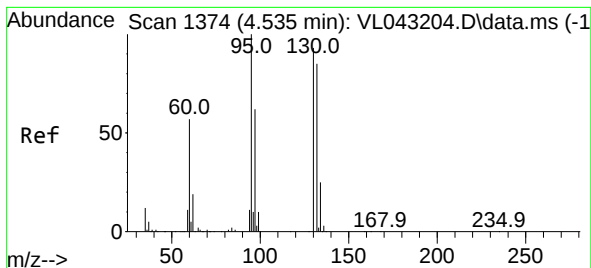
Tgt Ion: 43 Resp: 22377

Ion Ratio Lower Upper

43 100

72 22.6 18.1 27.1





#38

Trichloroethene

Concen: 0.094 ppbv

RT: 4.528 min Scan# 111

Delta R.T. -0.007 min

Lab File: VL043325.D

Acq: 08 Dec 2025 22:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

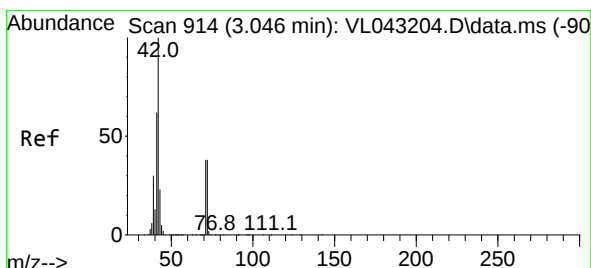
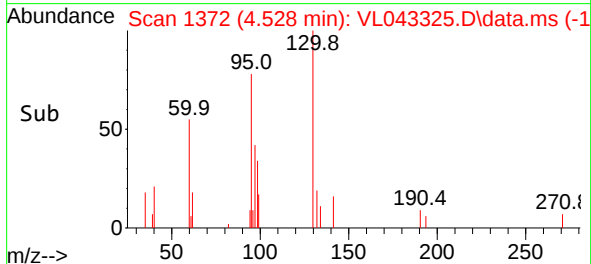
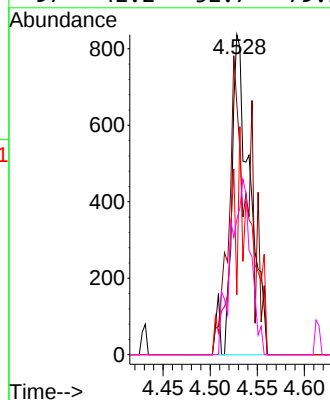
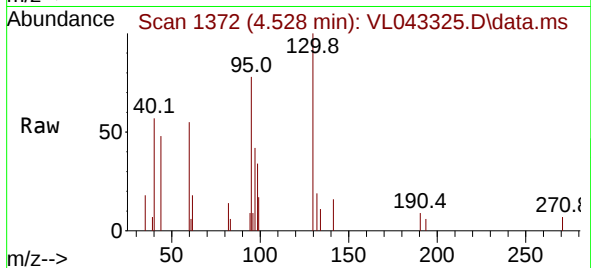
Tgt Ion:130 Resp: 111

Ion	Ratio	Lower	Upper
130	100		
95	78.3	85.7	128.5
132	18.8	73.4	110.0
97	42.2	52.7	79.1

Manual Integrations

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Supervised By :Mahesh Dadoda 12/11/2025



#41

Tetrahydrofuran

Concen: 0.344 ppbv

RT: 3.052 min Scan# 916

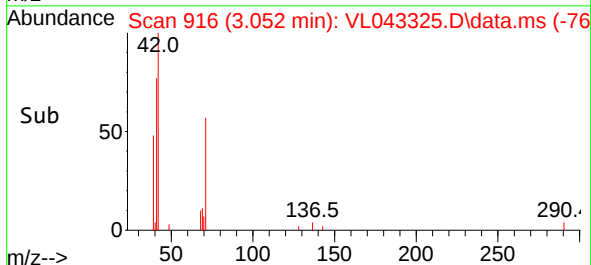
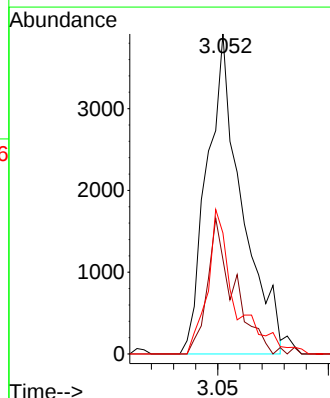
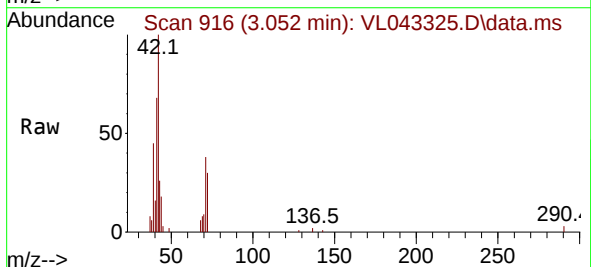
Delta R.T. 0.006 min

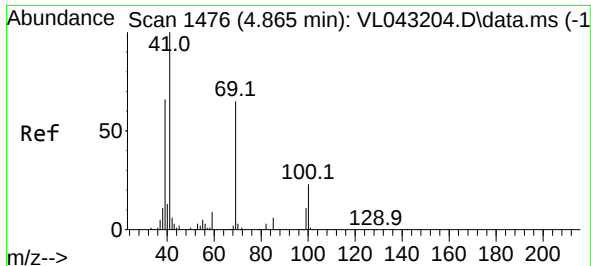
Lab File: VL043325.D

Acq: 08 Dec 2025 22:28

Tgt Ion: 42 Resp: 4265

Ion	Ratio	Lower	Upper
42	100		
72	32.9	30.6	46.0
71	36.3	30.5	45.7





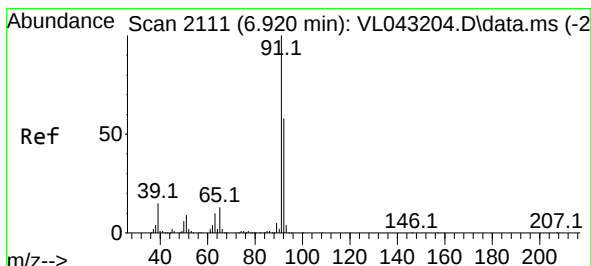
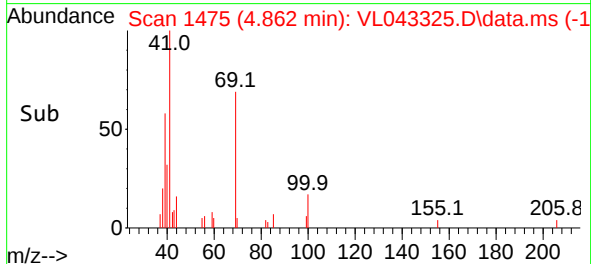
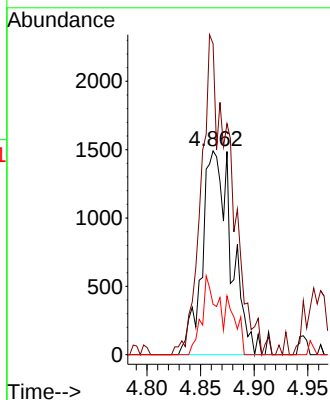
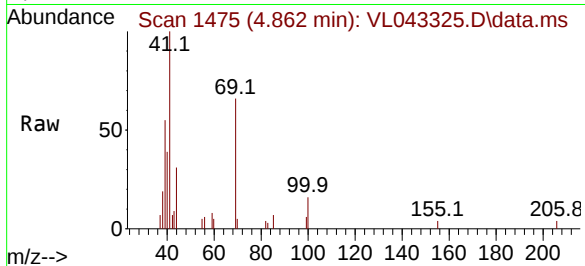
#43
Methyl Methacrylate
Concen: 0.177 ppbv m
RT: 4.862 min Scan# 1476
Delta R.T. -0.004 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 69 Resp: 285
Ion Ratio Lower Upper
69 100
41 156.1 126.7 190.1
100 30.9 28.6 43.0

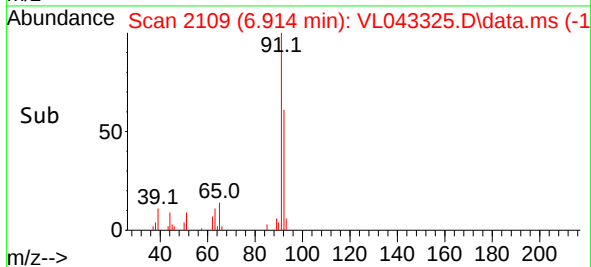
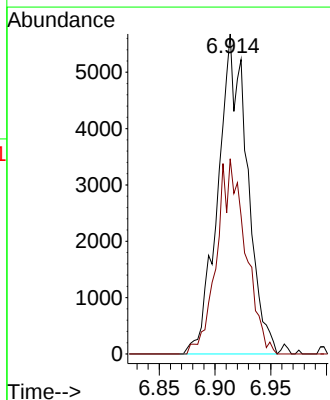
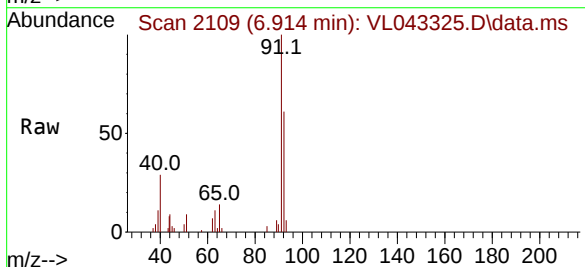
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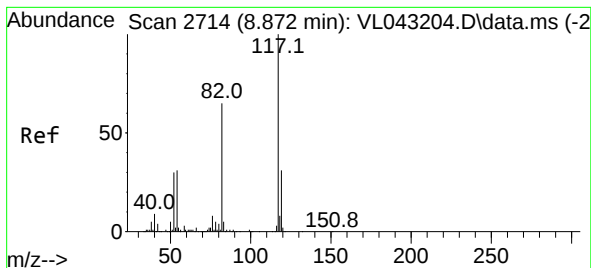
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#53
Toluene
Concen: 0.289 ppbv m
RT: 6.914 min Scan# 2109
Delta R.T. -0.007 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

Tgt Ion: 91 Resp: 10440
Ion Ratio Lower Upper
91 100
92 59.6 47.4 71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 21

Delta R.T. -0.004 min

Lab File: VL043325.D

Acq: 08 Dec 2025 22:28

Instrument :

MSVOA_L

ClientSampleId :

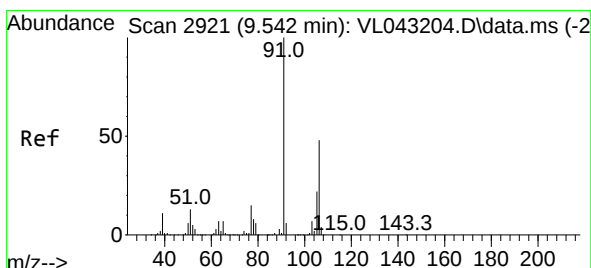
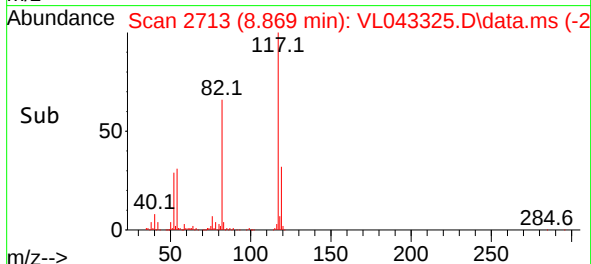
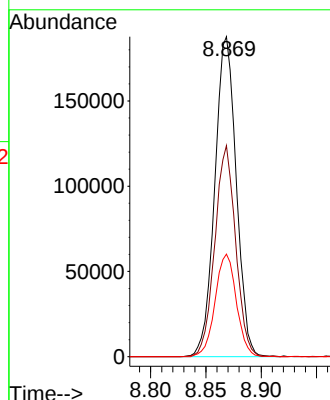
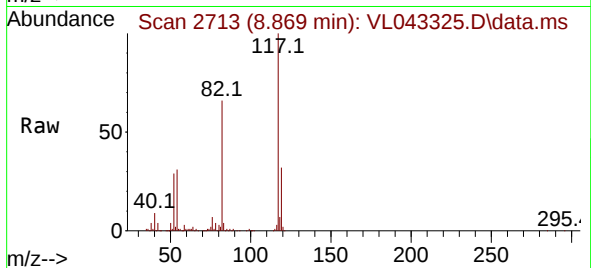
SV1

Tgt Ion:	117	Resp:	25316
Ion	Ratio	Lower	Upper
117	100		
82	64.0	56.1	84.1
119	31.8	25.0	37.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#59

m/p-Xylene

Concen: 0.272 ppbv m

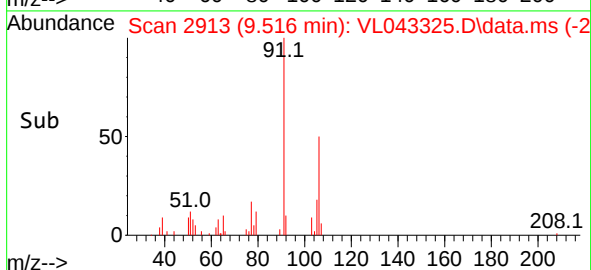
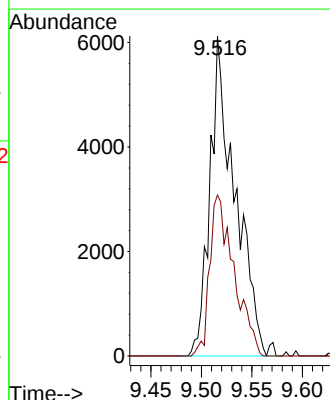
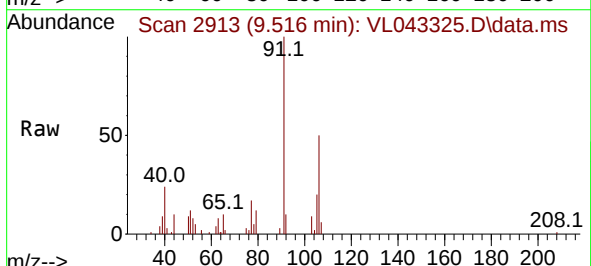
RT: 9.516 min Scan# 2913

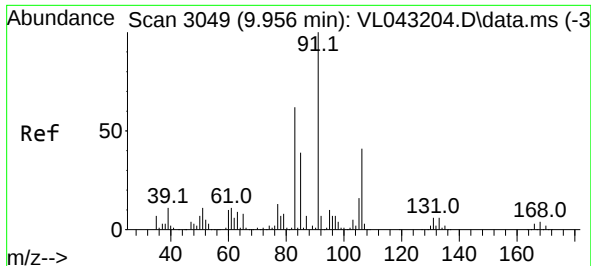
Delta R.T. -0.026 min

Lab File: VL043325.D

Acq: 08 Dec 2025 22:28

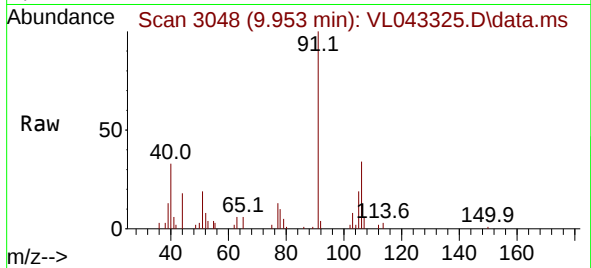
Tgt Ion:	91	Resp:	10630
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#





#60
o-Xylene
Concen: 0.145 ppbv m
RT: 9.953 min Scan# 3048
Delta R.T. -0.004 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

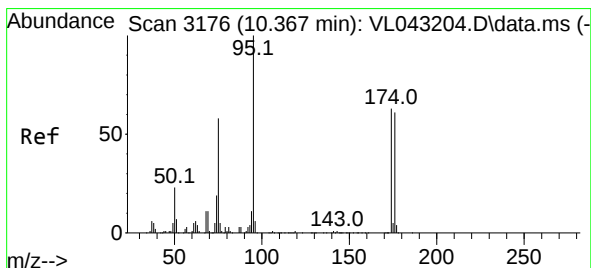
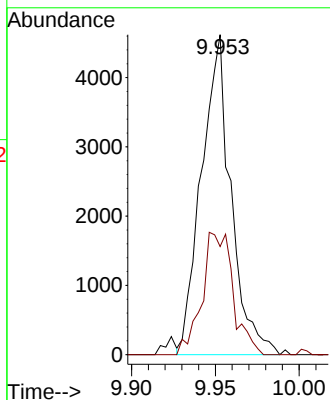
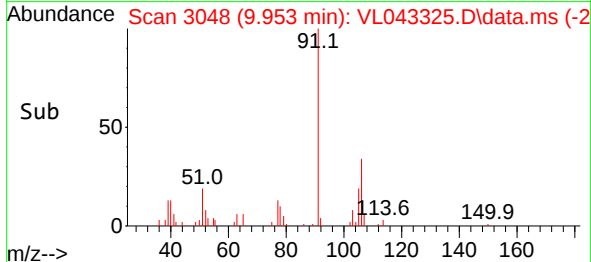
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 5660
Ion Ratio Lower Upper
91 100
106 0.0 20.9 62.8

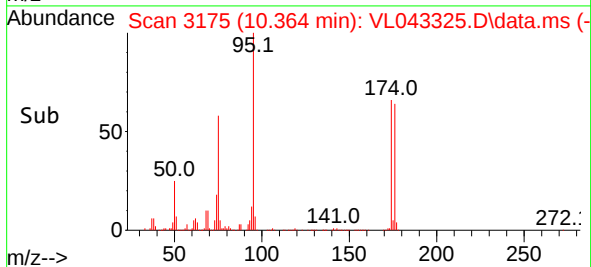
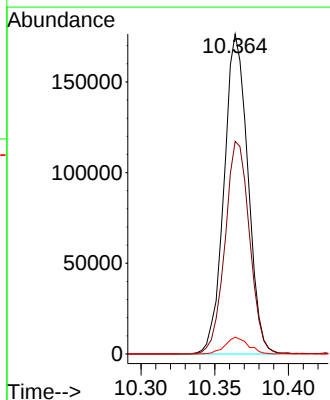
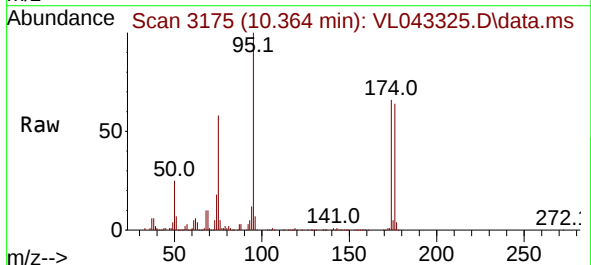
Manual Integrations
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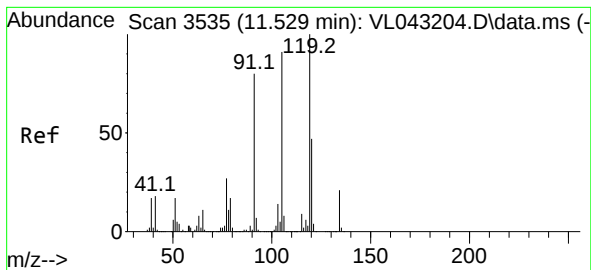
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.666 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.004 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

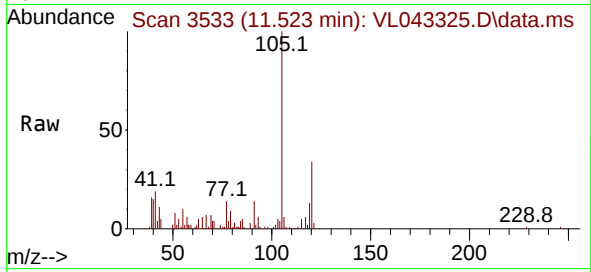
Tgt Ion: 95 Resp: 197932
Ion Ratio Lower Upper
95 100
174 68.5 50.2 75.2
175 5.1 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.260 ppbv
RT: 11.523 min Scan# 3533
Delta R.T. -0.007 min
Lab File: VL043325.D
Acq: 08 Dec 2025 22:28

Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	105	Resp:	11320
Ion	Ratio	Lower	Upper
105	100		
120	33.8	41.7	62.5
91	11.6	70.0	105.0
77	13.0	23.8	35.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

