

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042963.D
 Acq On : 22 Sep 2025 18:39
 Operator : SY/MD
 Sample : Q3112-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:53:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	159723	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.968	114	495497	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	436304	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	322820	9.912	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.473	51	7231m	0.270	ppbv	
9) Propene	1.483	41	41021	3.522	ppbv	88
11) Trichlorofluoromethane	1.884	101	103754	5.009	ppbv	97
15) Acetone	1.842	43	31697	1.524	ppbv	95
17) tert-Butyl alcohol	2.049	59	2591	0.114	ppbv #	80
19) Isopropyl Alcohol	1.894	45	19466	1.557	ppbv #	42
26) Hexane	2.836	57	3758	0.157	ppbv #	52
53) Toluene	6.946	91	8424m	0.153	ppbv	
80) Naphthalene,2-methyl-	14.465	142	2848	0.165	ppbv	96

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

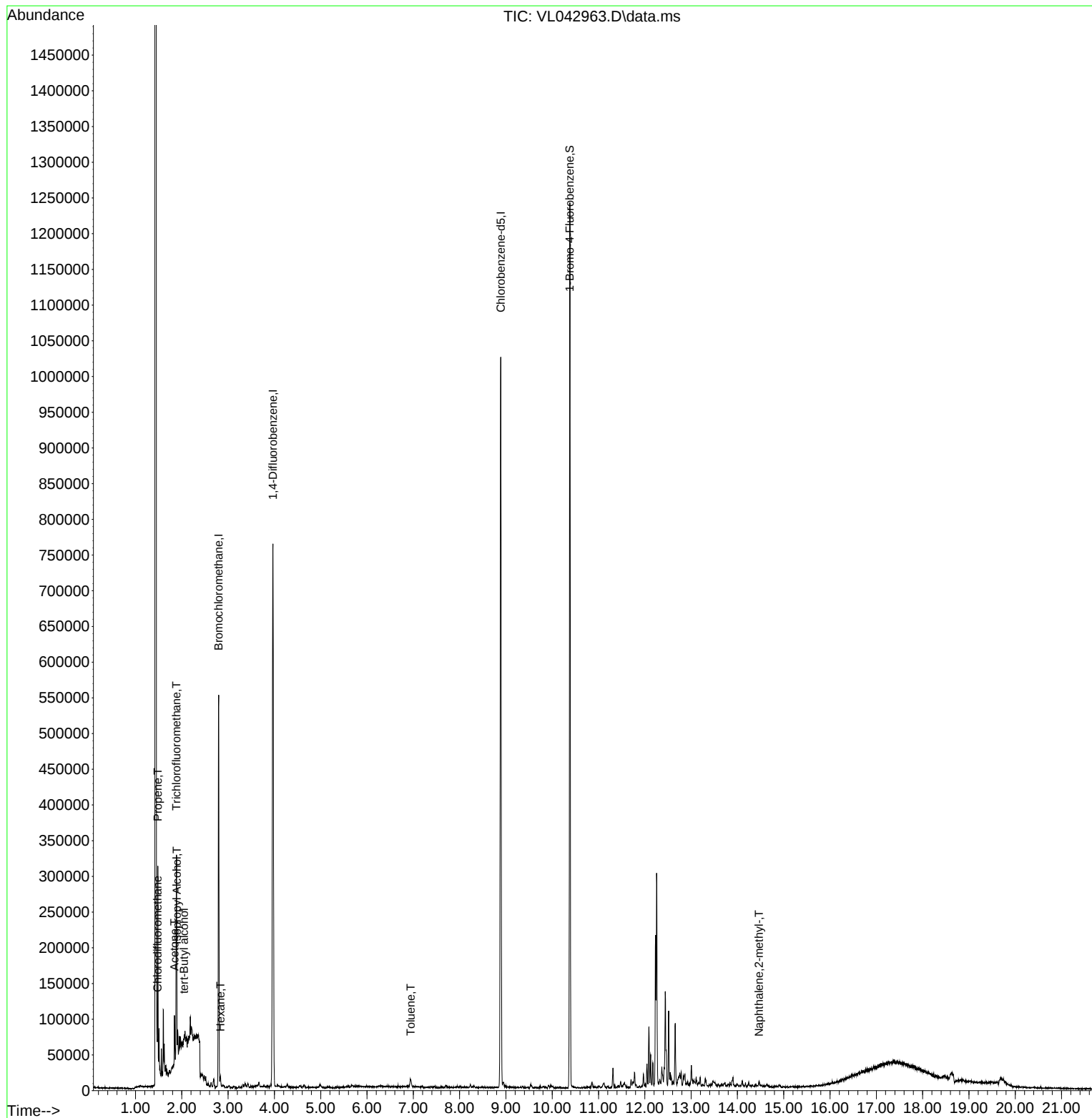
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042963.D
Acq On : 22 Sep 2025 18:39
Operator : SY/MD
Sample : Q3112-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

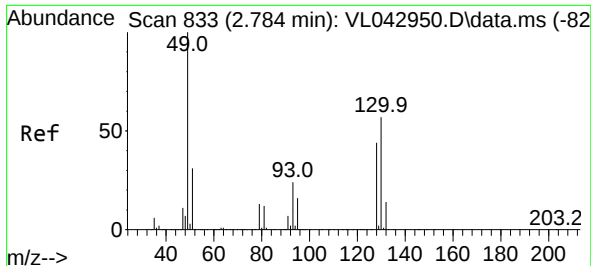
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

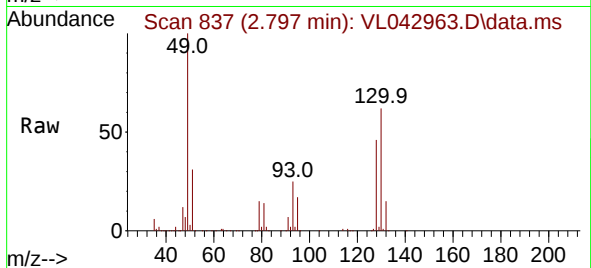
Quant Time: Sep 23 02:53:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 833
Delta R.T. 0.013 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

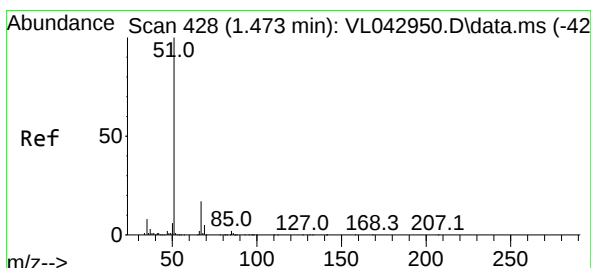
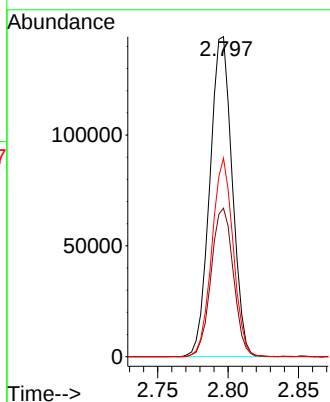
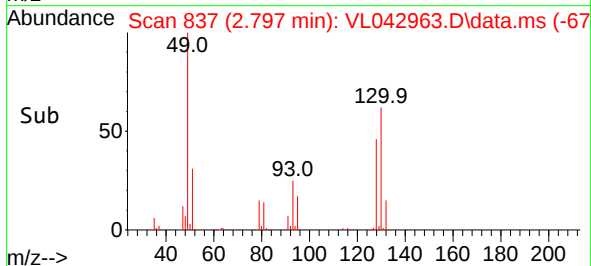
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 15972
Ion Ratio Lower Upper
49 100
128 46.3 22.9 68.8
130 59.0 29.1 87.3

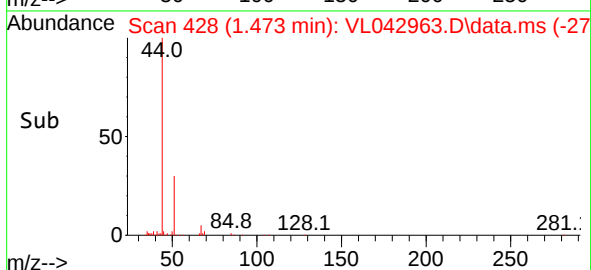
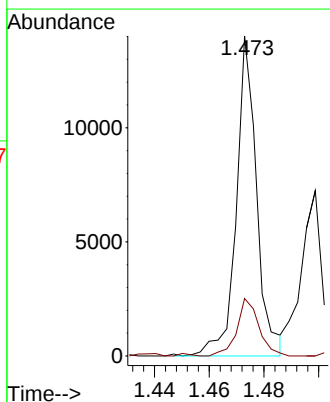
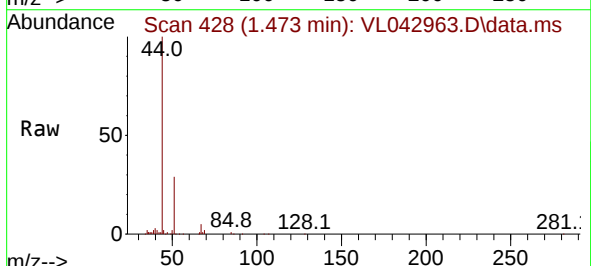
Manual Integrations
APPROVED

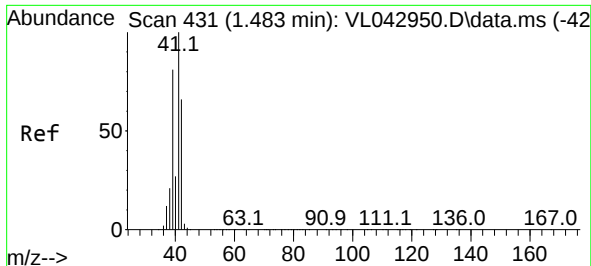
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#3
Chlorodifluoromethane
Concen: 0.270 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

Tgt Ion: 51 Resp: 7231
Ion Ratio Lower Upper
51 100
67 8.0 13.8 20.8#





#9

Propene

Concen: 3.522 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042963.D

Acq: 22 Sep 2025 18:39

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 41 Resp: 4102

Ion Ratio Lower Upper

41 100

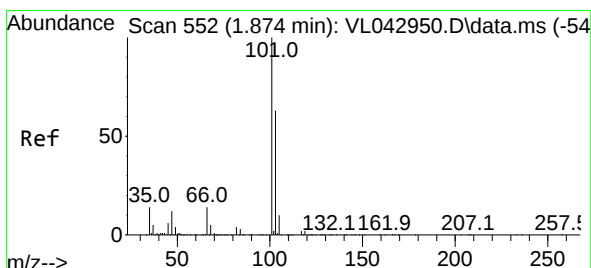
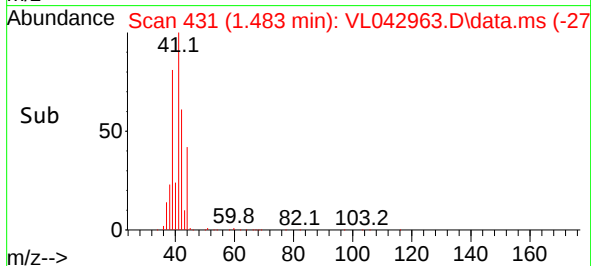
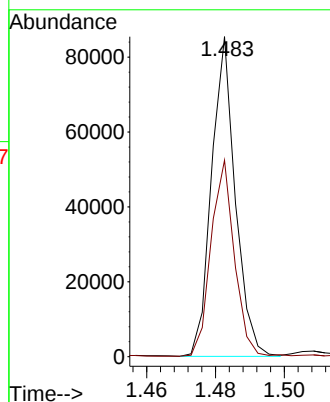
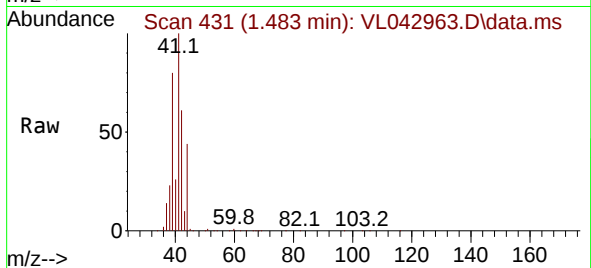
42 62.2 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#11

Trichlorofluoromethane

Concen: 5.009 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.010 min

Lab File: VL042963.D

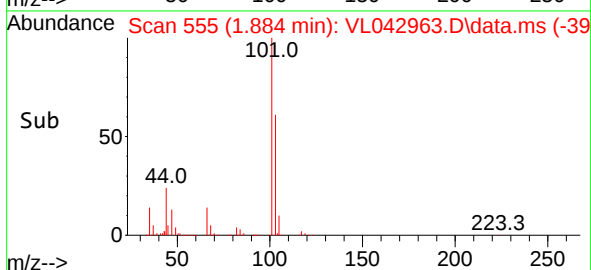
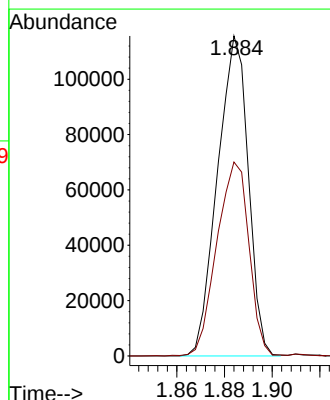
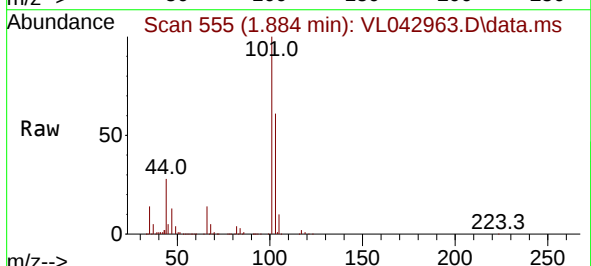
Acq: 22 Sep 2025 18:39

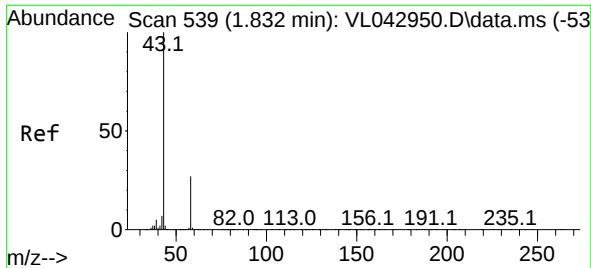
Tgt Ion:101 Resp: 103754

Ion Ratio Lower Upper

101 100

103 60.4 50.1 75.1





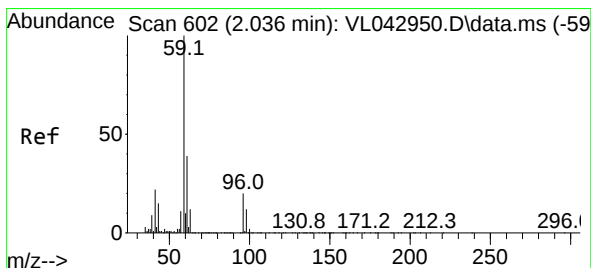
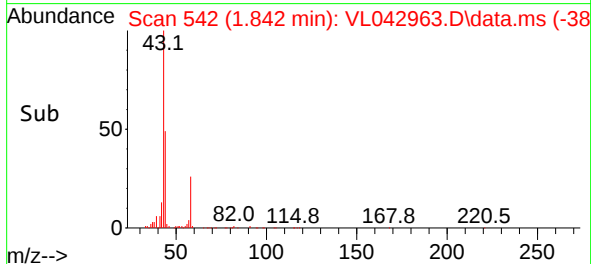
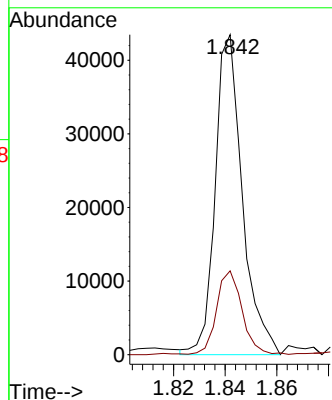
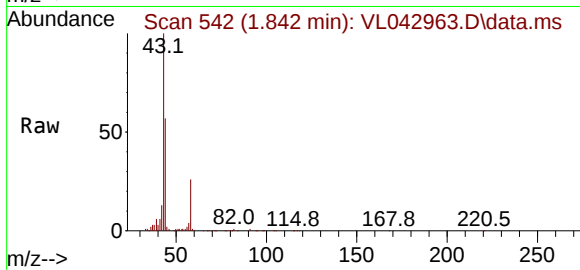
#15
Acetone
Concen: 1.524 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 3169
Ion Ratio Lower Upper
43 100
58 25.2 22.3 33.5

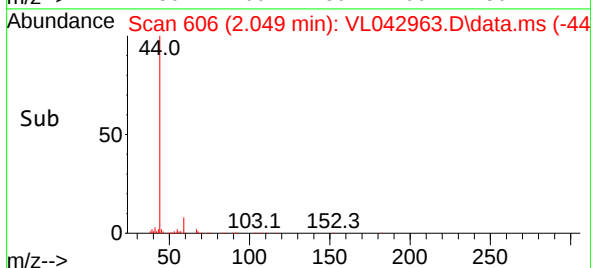
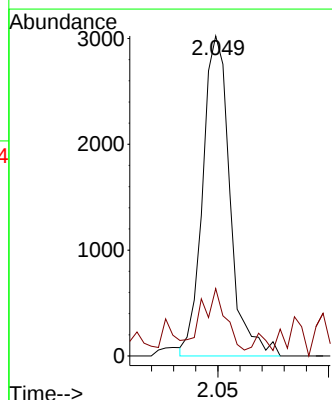
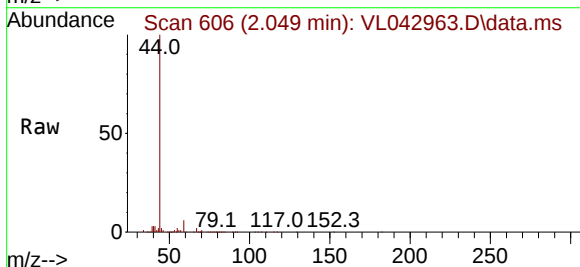
Manual Integrations
APPROVED

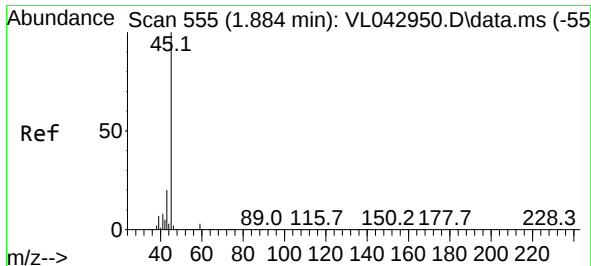
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#17
tert-Butyl alcohol
Concen: 0.114 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.013 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

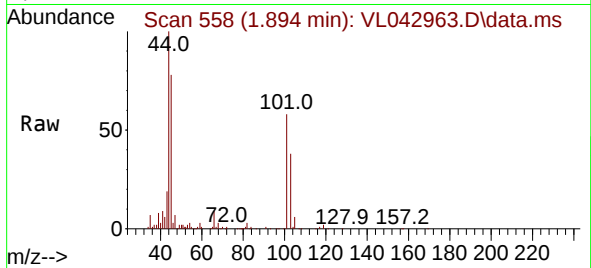
Tgt Ion: 59 Resp: 2591
Ion Ratio Lower Upper
59 100
57 18.1 8.6 12.8#





#19
Isopropyl Alcohol
Concen: 1.557 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

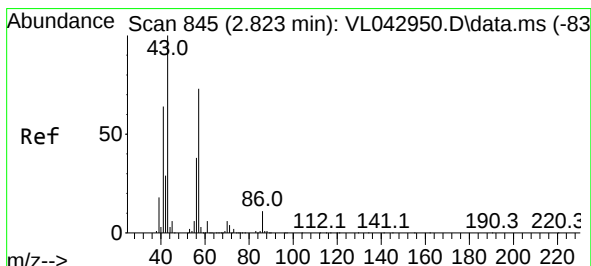
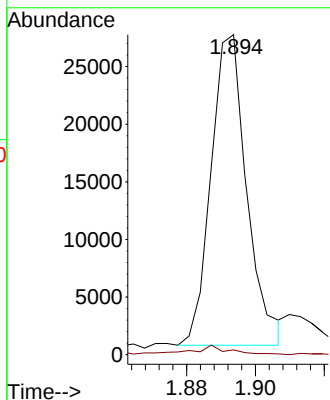
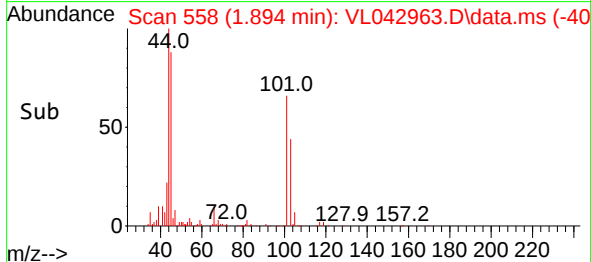
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 45 Resp: 1946
Ion Ratio Lower Upper
45 100
58 3.6 31.0 46.6

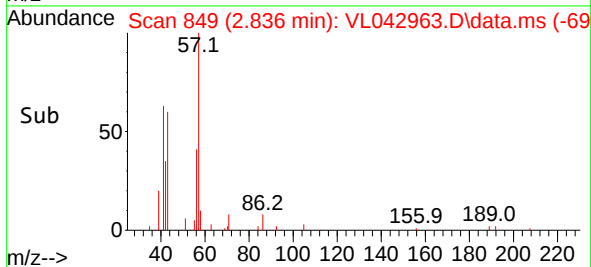
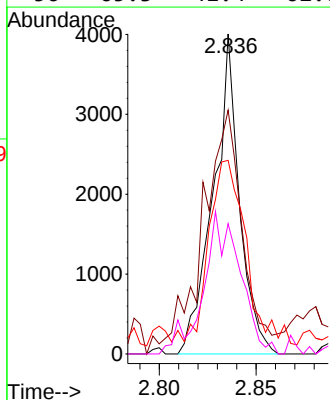
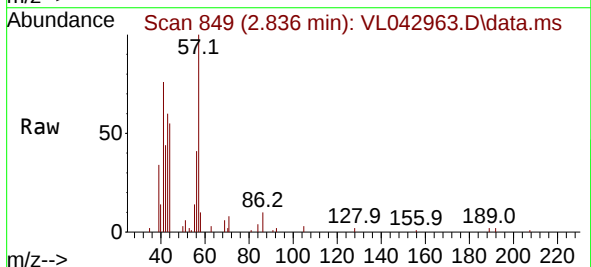
Manual Integrations
APPROVED

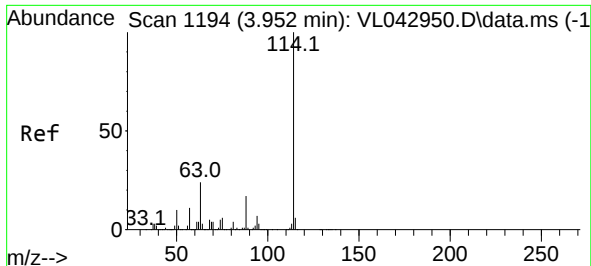
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#26
Hexane
Concen: 0.157 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.013 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

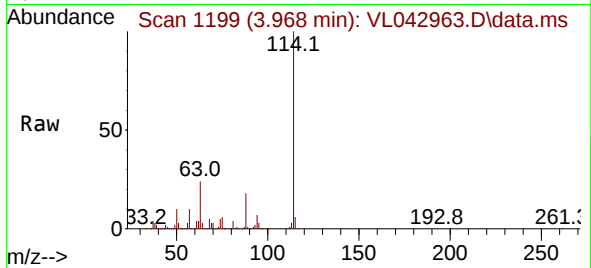
Tgt Ion: 57 Resp: 3758
Ion Ratio Lower Upper
57 100
41 101.4 71.7 107.5
43 113.1 180.8 271.2#
56 65.3 41.4 62.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.016 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

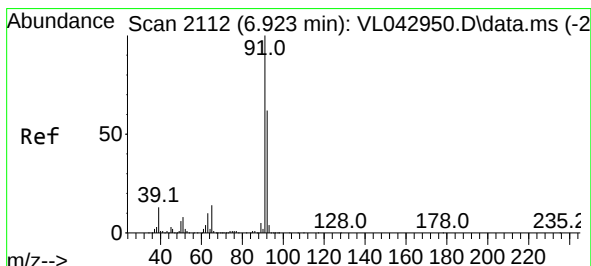
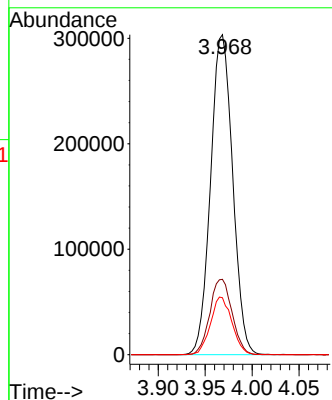
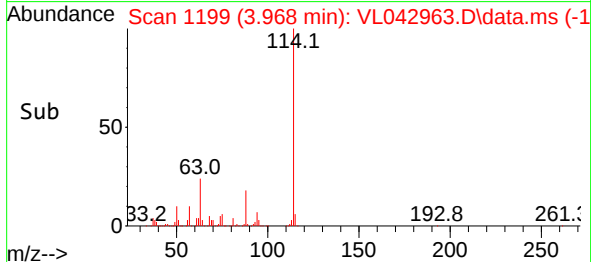
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:114 Resp: 49549
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 17.5 14.2 21.2

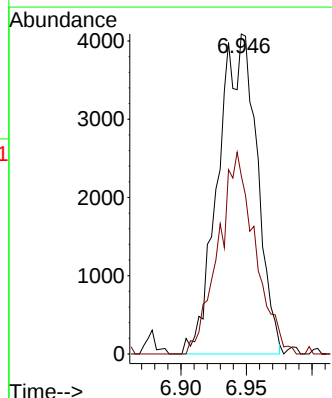
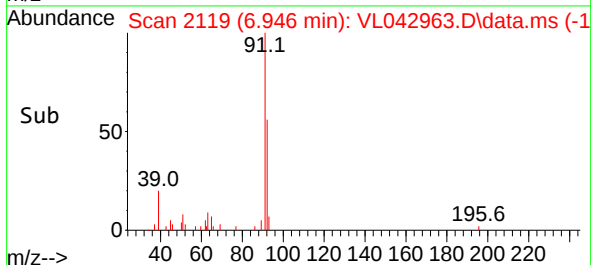
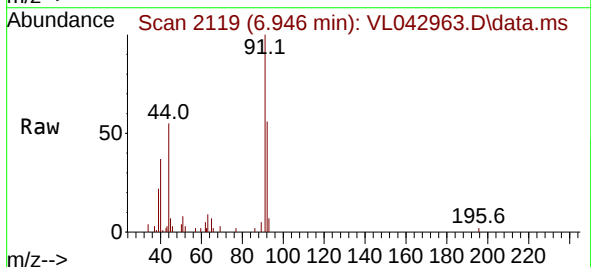
Manual Integrations
APPROVED

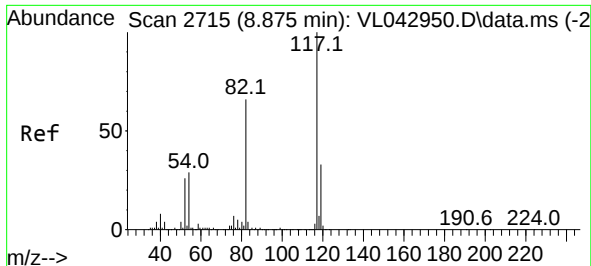
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#53
Toluene
Concen: 0.153 ppbv m
RT: 6.946 min Scan# 2119
Delta R.T. 0.023 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

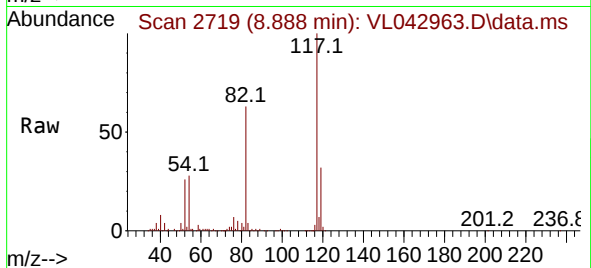
Tgt Ion: 91 Resp: 8424
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

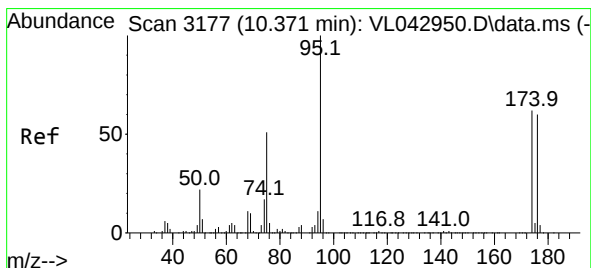
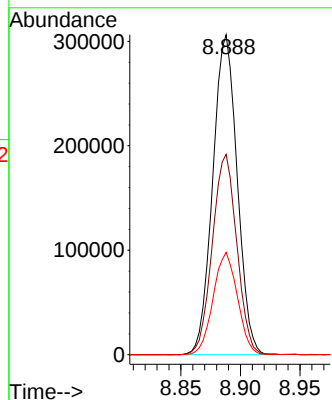
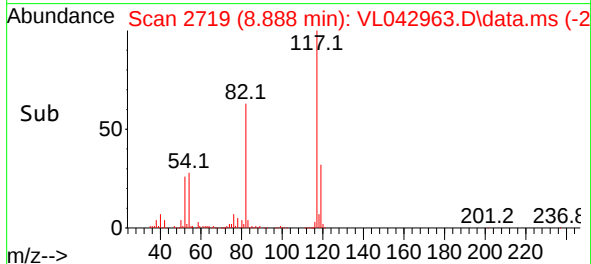
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 117 Resp: 436304
Ion Ratio Lower Upper
117 100
82 62.7 52.8 79.2
119 31.8 26.5 39.7

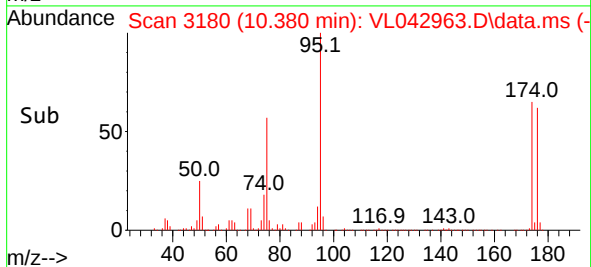
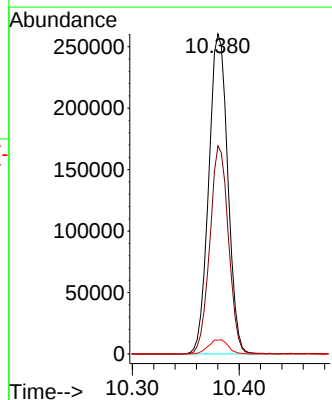
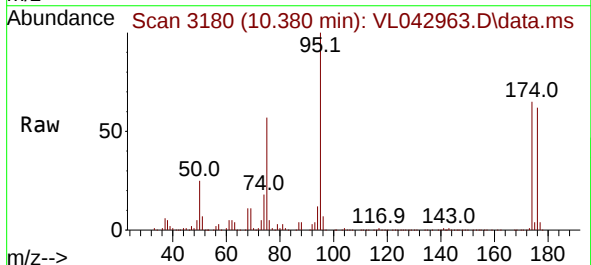
Manual Integrations
APPROVED

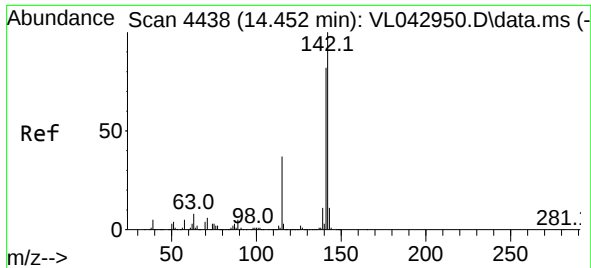
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.912 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

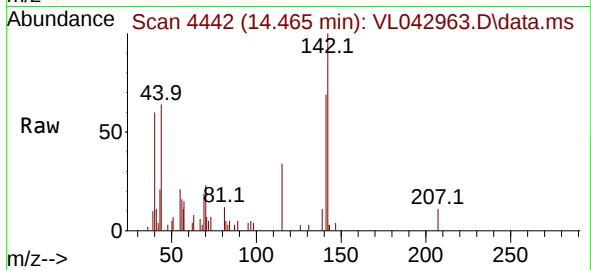
Tgt Ion: 95 Resp: 322820
Ion Ratio Lower Upper
95 100
174 63.8 51.4 77.2
175 4.6 4.0 6.0





#80
Naphthalene, 2-methyl-
Concen: 0.165 ppbv
RT: 14.465 min Scan# 44
Delta R.T. 0.013 min
Lab File: VL042963.D
Acq: 22 Sep 2025 18:39

Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	65.1	97.7
115	35.9	28.9	43.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

