

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
 Data File : VL043197.D
 Acq On : 13 Nov 2025 13:40
 Operator : SY/MD
 Sample : Q3627-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-East

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2025
 Supervised By :Mahesh Dadoda 11/18/2025

Quant Time: Nov 14 04:39:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	141257	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	362075	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	303679	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	226539	9.597	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	8904	0.443	ppbv	94
3) Chlorodifluoromethane	1.479	51	5542m	0.255	ppbv	
4) Chloromethane	1.534	50	4432	0.557	ppbv	98
9) Propene	1.486	41	5122m	0.532	ppbv	
11) Trichlorofluoromethane	1.884	101	4396	0.224	ppbv	96
13) Ethanol	1.725	45	7682	2.155	ppbv #	38
15) Acetone	1.839	43	66035	3.468	ppbv	99
19) Isopropyl Alcohol	1.890	45	27214	2.295	ppbv #	64
20) Methylene Chloride	2.068	84	5239	0.696	ppbv	93
26) Hexane	2.835	57	12272	0.564	ppbv #	40
34) 2-Butanone	2.564	43	6473	0.266	ppbv	96
35) Carbon Tetrachloride	3.768	117	2039m	0.078	ppbv	
36) Benzene	3.664	78	4088	0.120	ppbv #	94
53) Toluene	6.936	91	4772m	0.118	ppbv	

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

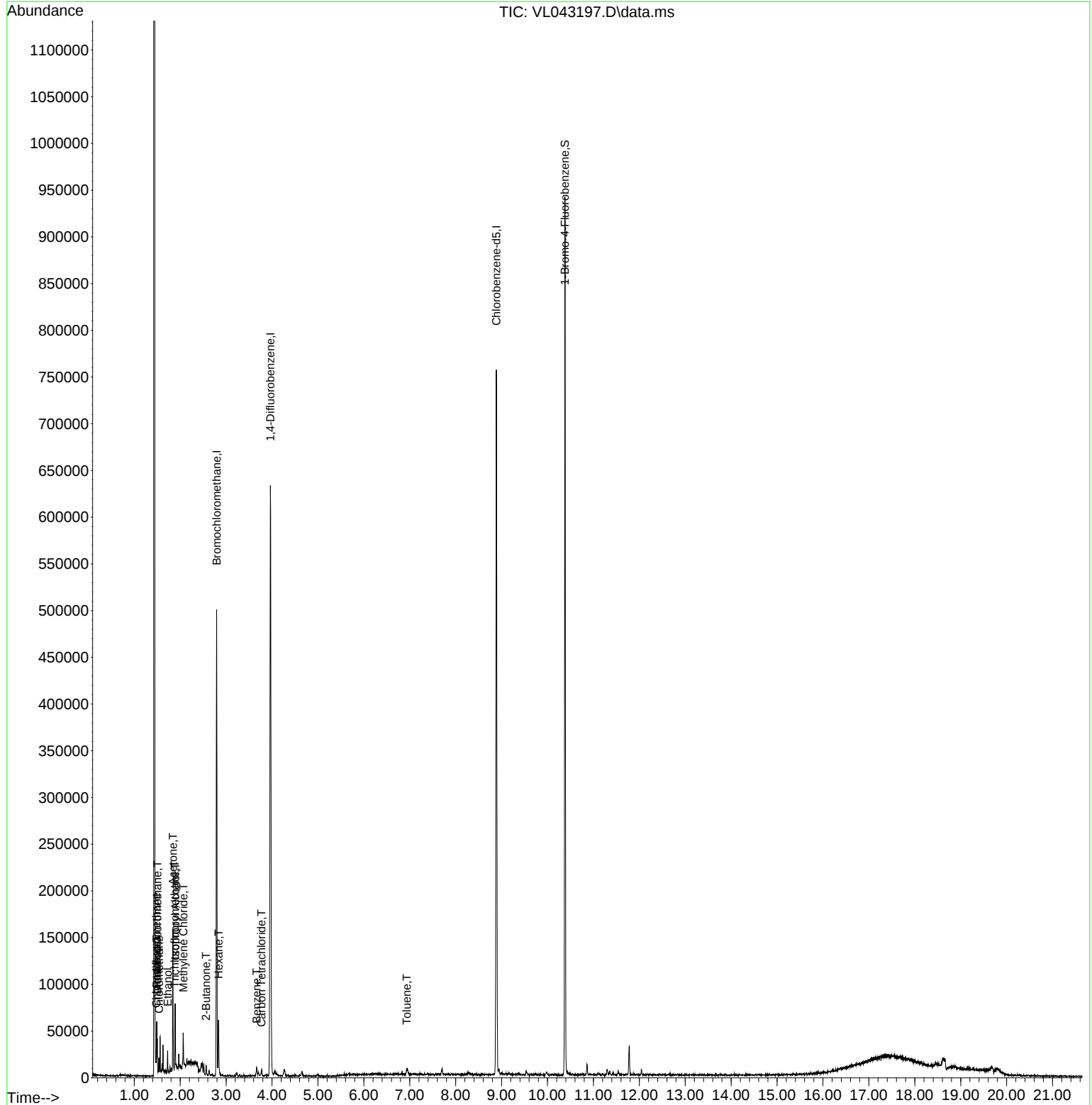
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
Data File : VL043197.D
Acq On : 13 Nov 2025 13:40
Operator : SY/MD
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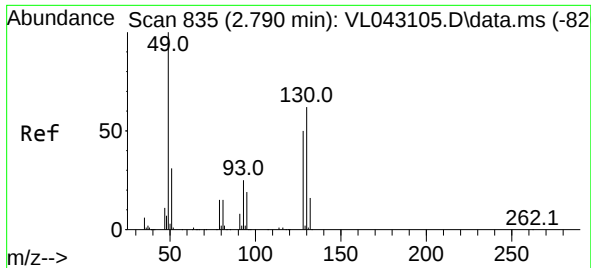
Instrument :
MSVOA_L
ClientSampleId :
AA-East

Quant Time: Nov 14 04:39:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Oct 15 02:12:58 2025
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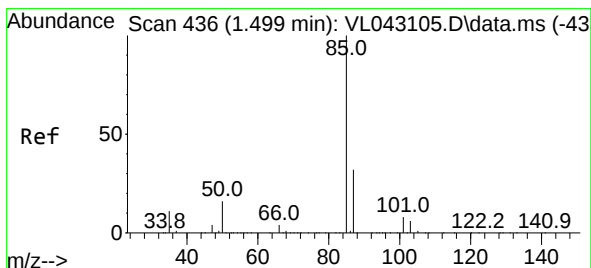
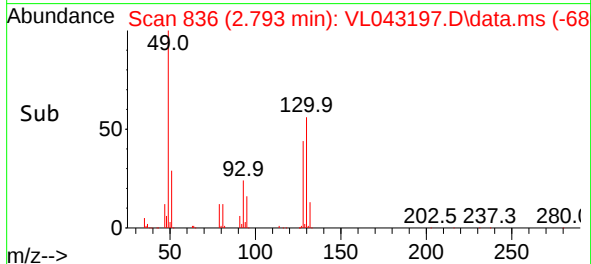
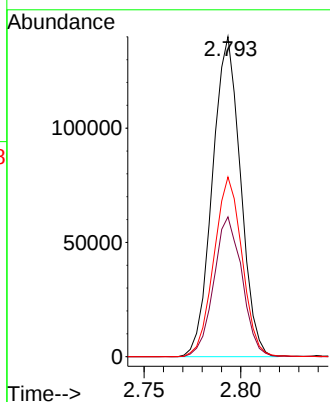
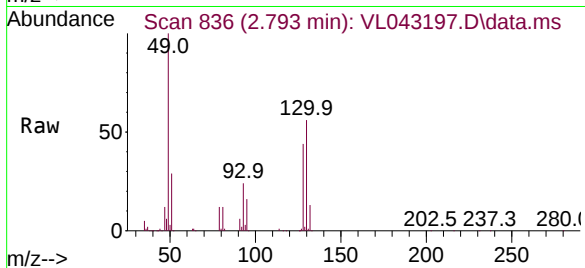
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Instrument :
MSVOA_L
ClientSampleId :
AA-East

Tgt Ion: 49 Resp: 141252
Ion Ratio Lower Upper
49 100
128 43.9 24.4 73.4
130 56.5 31.0 93.0

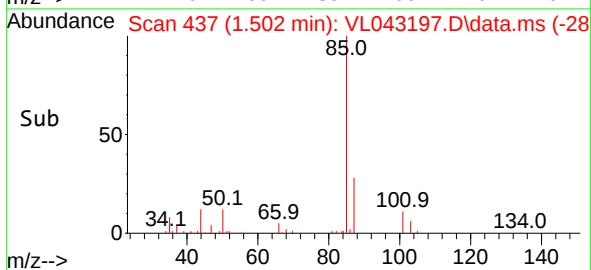
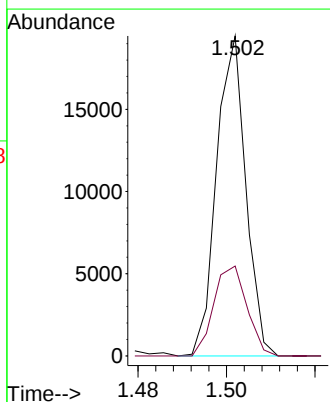
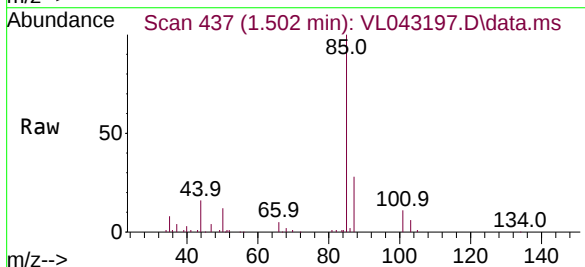
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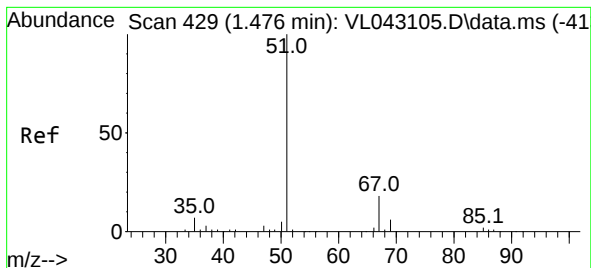
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Supervised By :Mahesh Dadoda 11/18/2025



#2
Dichlorodifluoromethane
Concen: 0.443 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Tgt Ion: 85 Resp: 8904
Ion Ratio Lower Upper
85 100
87 28.1 25.3 37.9





#3

Chlorodifluoromethane

Concen: 0.255 ppbv m

RT: 1.479 min Scan# 43

Delta R.T. 0.003 min

Lab File: VL043197.D

Acq: 13 Nov 2025 13:40

Instrument :

MSVOA_L

ClientSampleId :

AA-East

Tgt Ion: 51 Resp: 5542

Ion Ratio Lower Upper

51 100

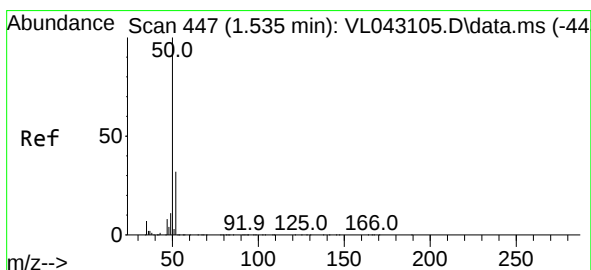
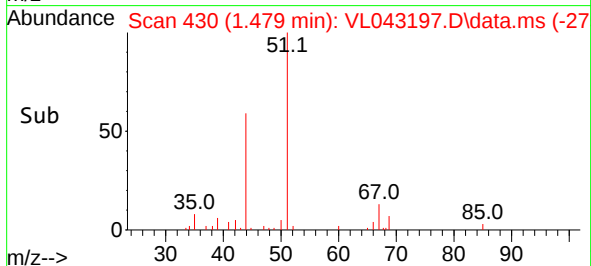
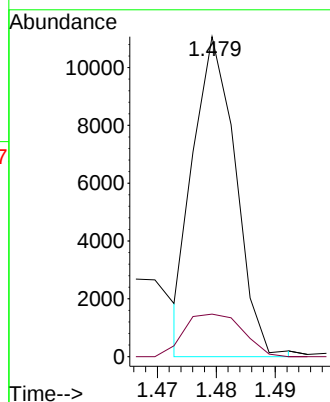
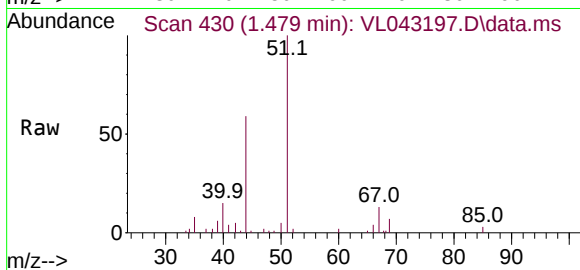
67 19.6 15.1 22.7

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#4

Chloromethane

Concen: 0.557 ppbv

RT: 1.534 min Scan# 447

Delta R.T. -0.000 min

Lab File: VL043197.D

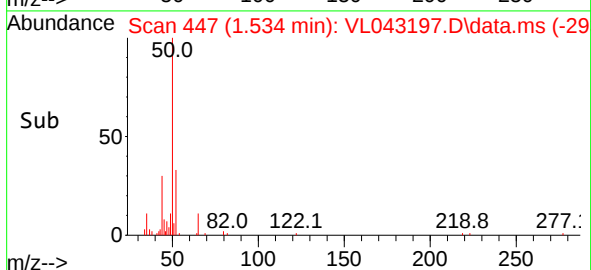
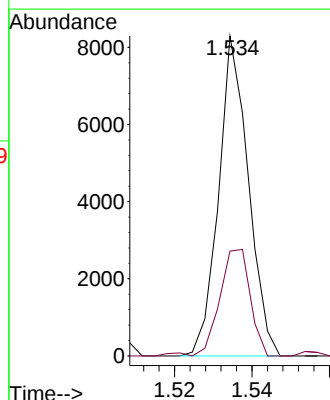
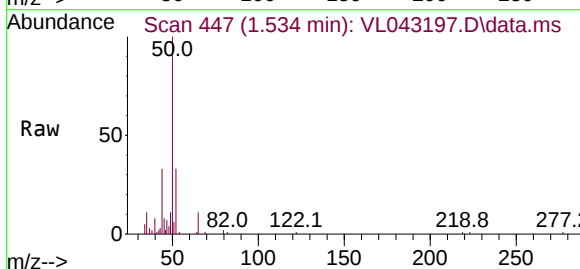
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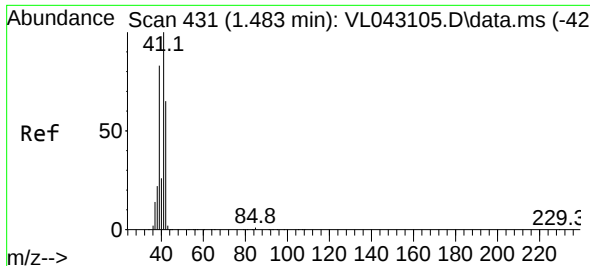
Tgt Ion: 50 Resp: 4432

Ion Ratio Lower Upper

50 100

52 32.7 25.2 37.8





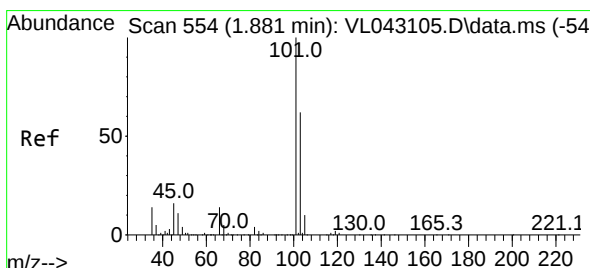
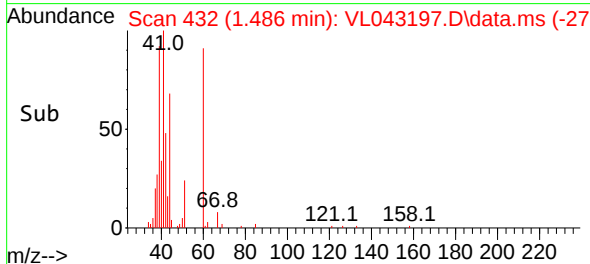
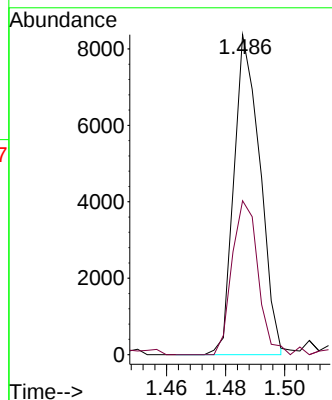
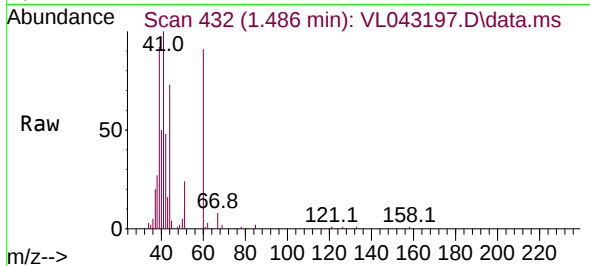
#9
Propene
Concen: 0.532 ppbv m
RT: 1.486 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Instrument :
MSVOA_L
ClientSampleId :
AA-East

Tgt Ion: 41 Resp: 512
Ion Ratio Lower Upper
41 100
42 36.8 55.1 82.7

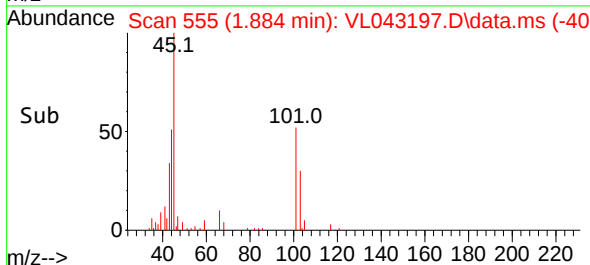
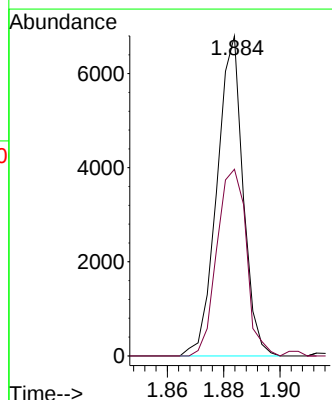
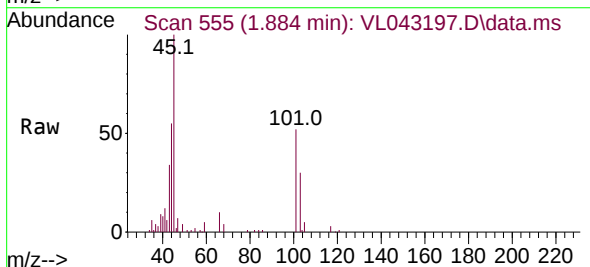
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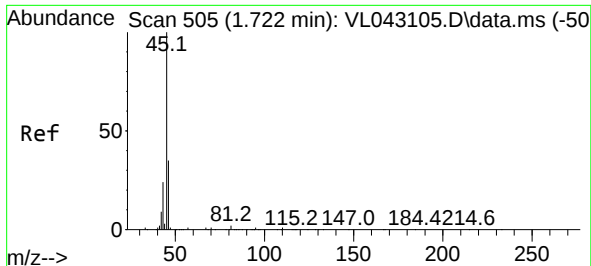
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#11
Trichlorofluoromethane
Concen: 0.224 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Tgt Ion:101 Resp: 4396
Ion Ratio Lower Upper
101 100
103 58.3 49.3 73.9





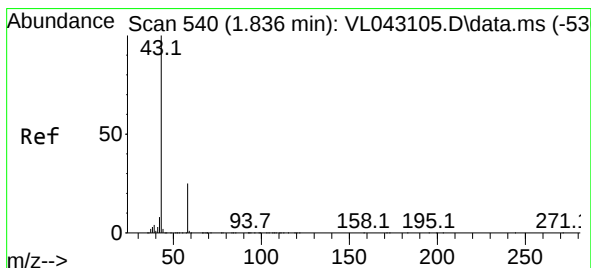
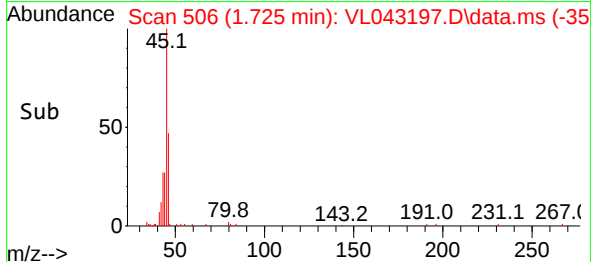
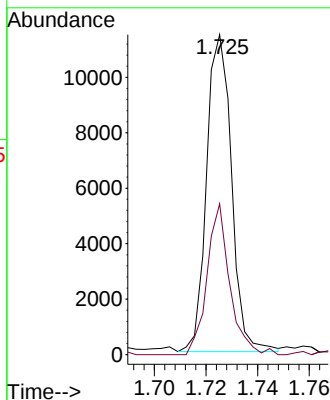
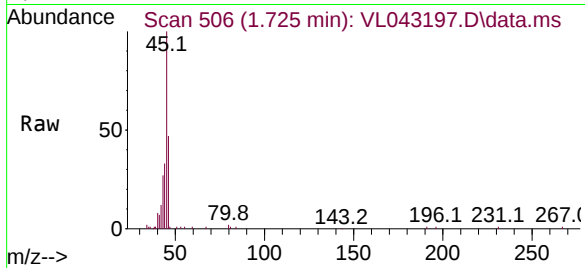
#13
Ethanol
Concen: 2.155 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Instrument :
MSVOA_L
Client Sample Id :
AA-East

Tgt Ion: 45 Resp: 7682
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9

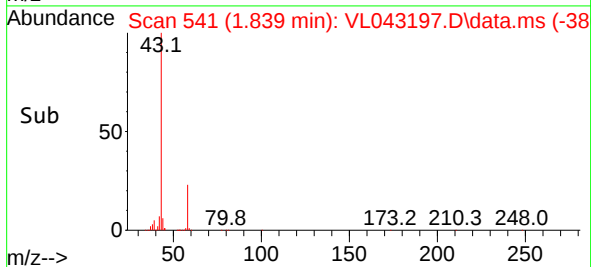
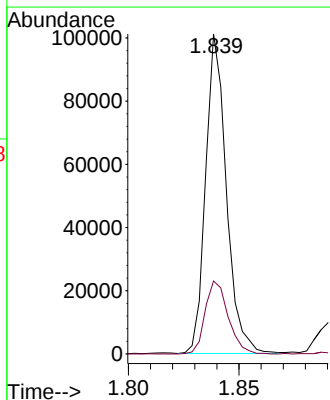
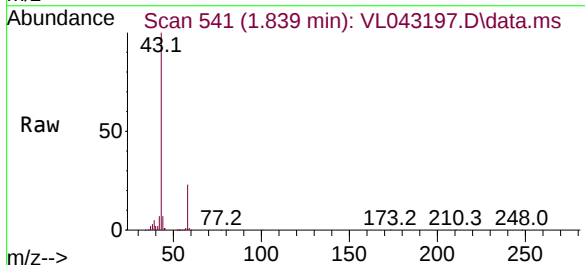
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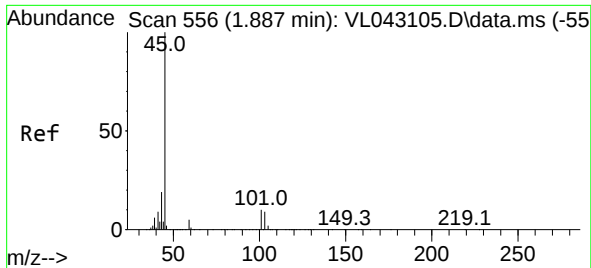
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#15
Acetone
Concen: 3.468 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Tgt Ion: 43 Resp: 66035
Ion Ratio Lower Upper
43 100
58 25.3 20.8 31.2





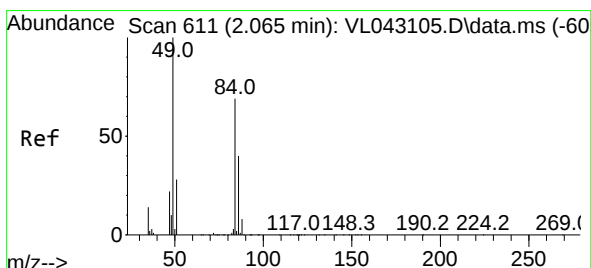
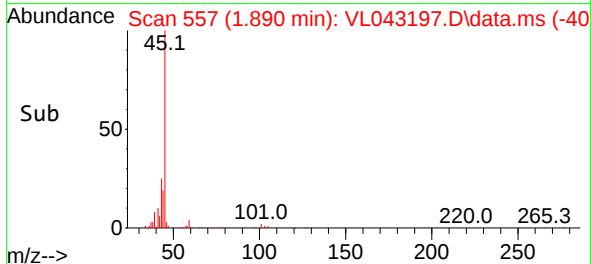
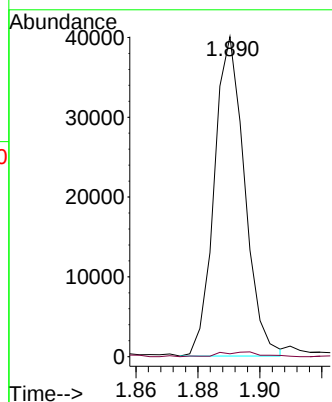
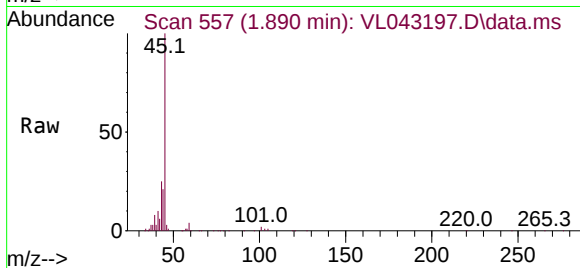
#19
Isopropyl Alcohol
Concen: 2.295 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Instrument :
MSVOA_L
ClientSampleId :
AA-East

Tgt Ion: 45 Resp: 27214
Ion Ratio Lower Upper
45 100
58 61.3 31.3 46.9

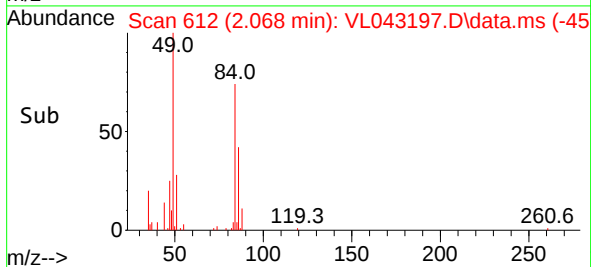
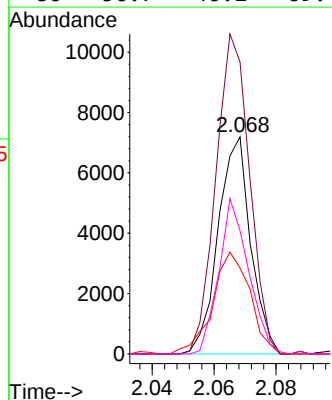
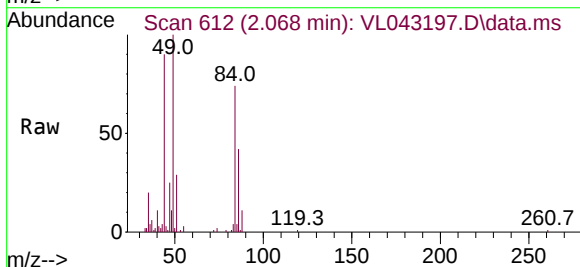
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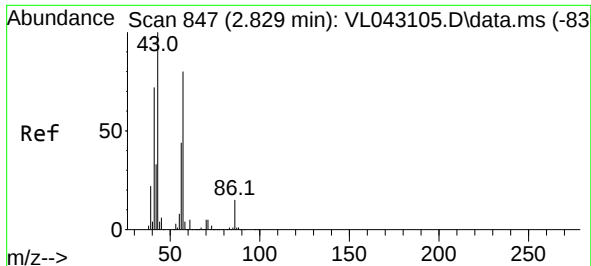
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#20
Methylene Chloride
Concen: 0.696 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

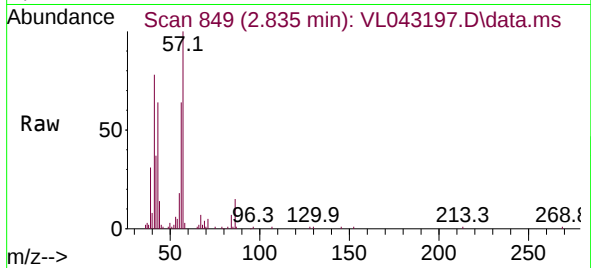
Tgt Ion: 84 Resp: 5239
Ion Ratio Lower Upper
84 100
49 134.4 116.6 175.0
51 39.5 34.8 52.2
86 56.7 46.2 69.4





#26
Hexane
Concen: 0.564 ppbv
RT: 2.835 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

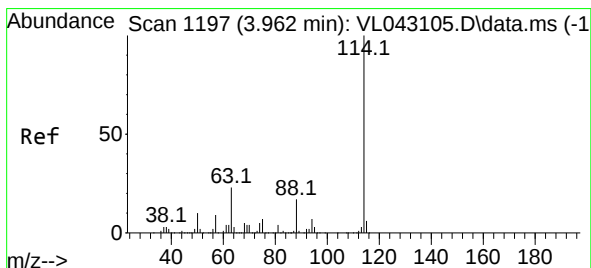
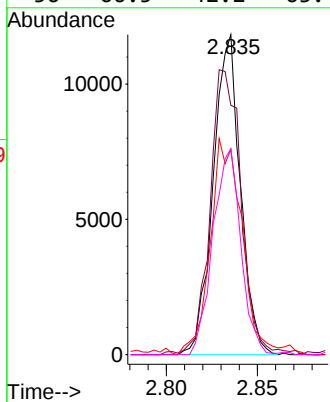
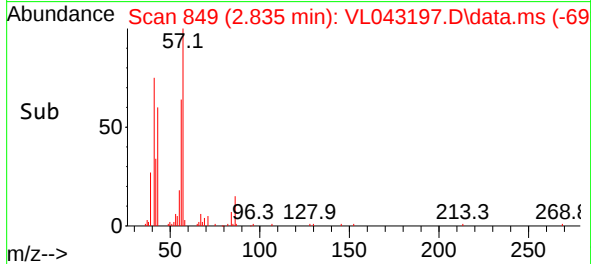
Instrument :
MSVOA_L
ClientSampleId :
AA-East



Tgt Ion: 57 Resp: 12272
Ion Ratio Lower Upper
57 100
41 101.7 71.4 107.0
43 80.1 178.5 267.7
56 66.5 42.2 63.4

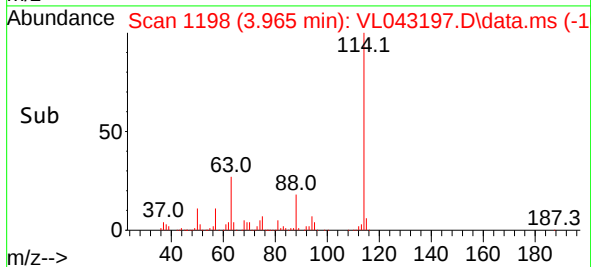
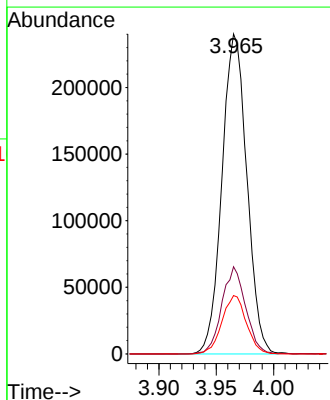
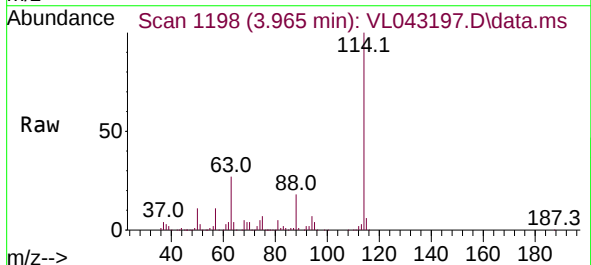
Manual Integrations
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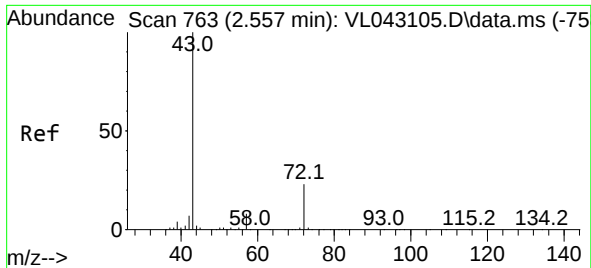
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

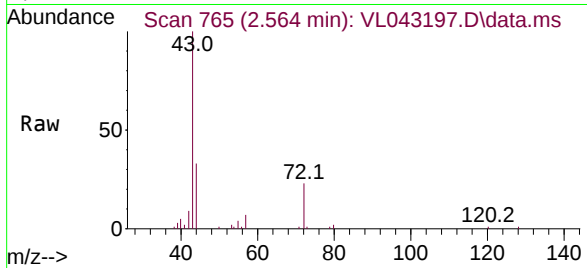
Tgt Ion:114 Resp: 362075
Ion Ratio Lower Upper
114 100
63 26.1 19.3 28.9
88 17.8 13.9 20.9





#34
2-Butanone
Concen: 0.266 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

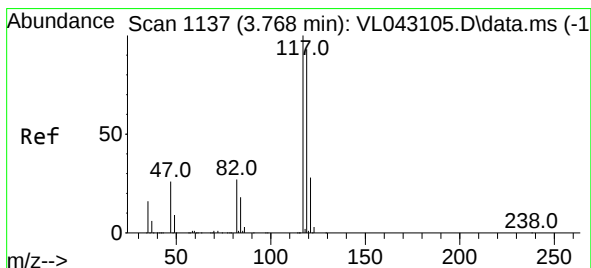
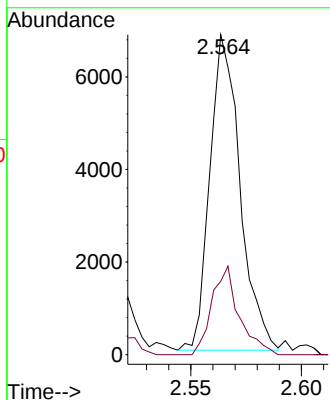
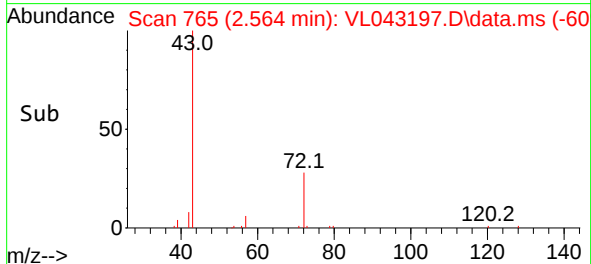
Instrument :
MSVOA_L
Client SampleId :
AA-East



Tgt Ion: 43 Resp: 6473
Ion Ratio Lower Upper
43 100
72 25.2 18.4 27.6

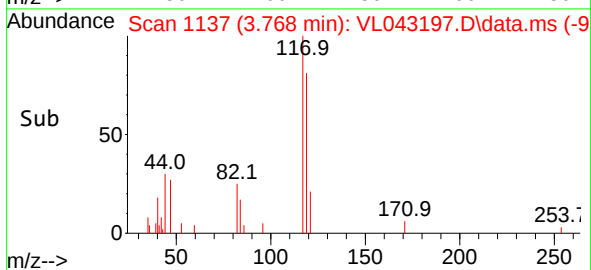
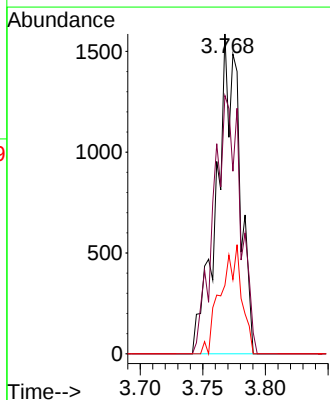
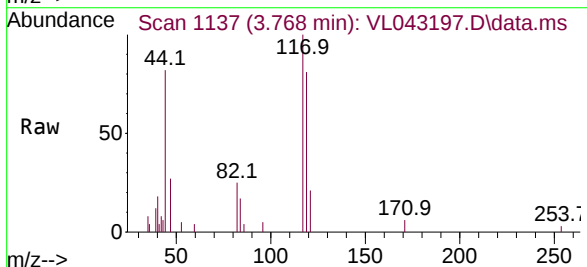
Manual Integrations
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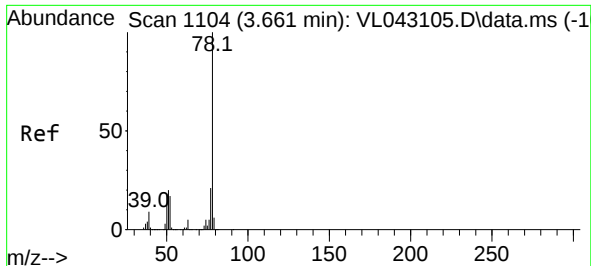
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

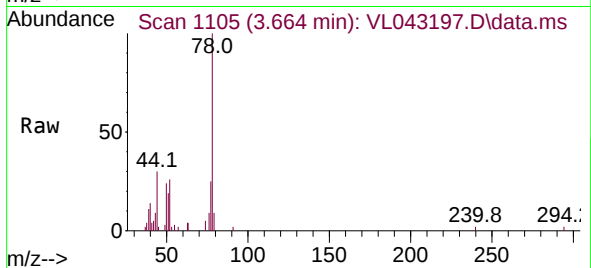
Tgt Ion:117 Resp: 2039
Ion Ratio Lower Upper
117 100
119 80.7 74.1 111.1
121 21.4 22.2 33.2#





#36
Benzene
Concen: 0.120 ppbv
RT: 3.664 min Scan# 1104
Delta R.T. 0.003 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

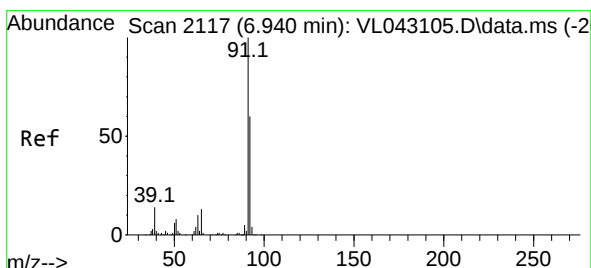
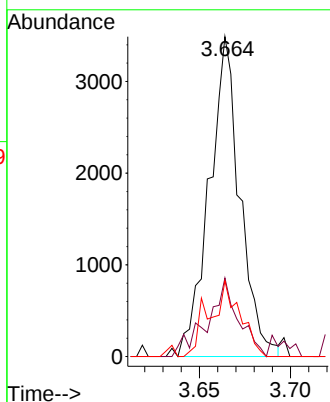
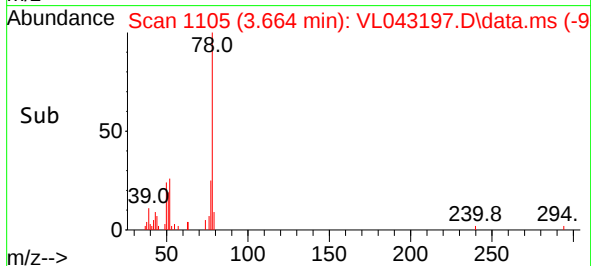
Instrument :
MSVOA_L
ClientSampleId :
AA-East



Tgt Ion: 78 Resp: 4088
Ion Ratio Lower Upper
78 100
77 21.5 17.0 25.6
50 23.7 14.6 22.0

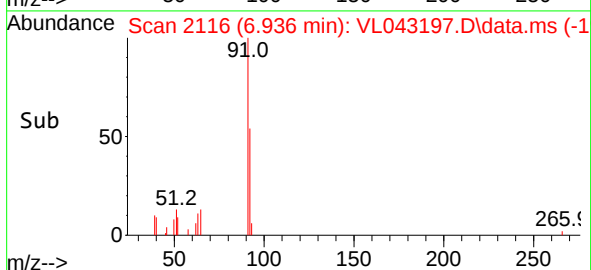
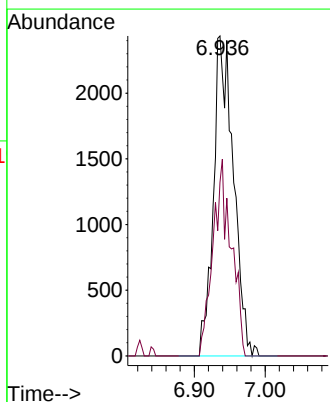
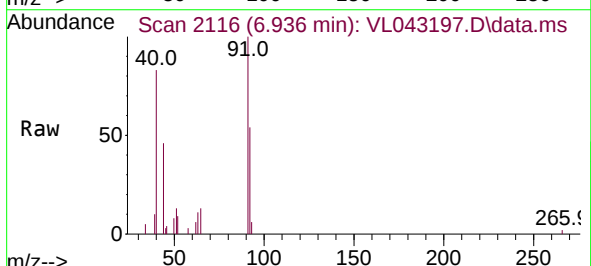
Manual Integrations
APPROVED

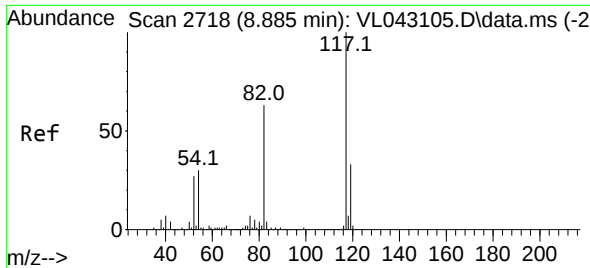
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#53
Toluene
Concen: 0.118 ppbv m
RT: 6.936 min Scan# 2116
Delta R.T. -0.004 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Tgt Ion: 91 Resp: 4772
Ion Ratio Lower Upper
91 100
92 0.0 48.8 73.2





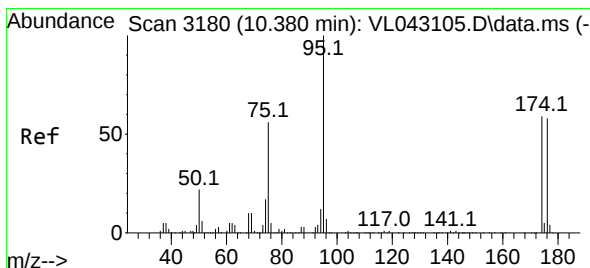
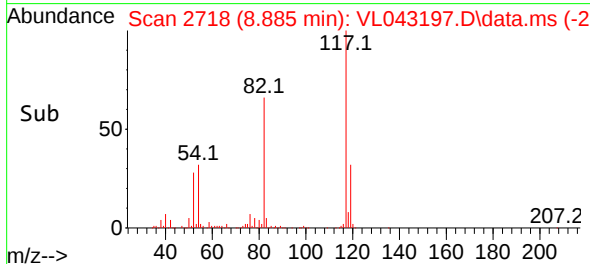
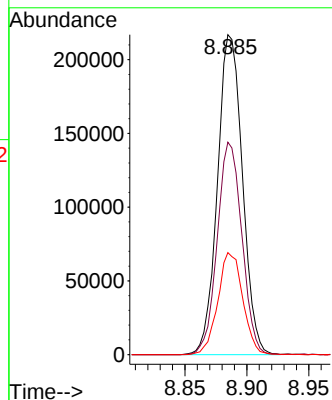
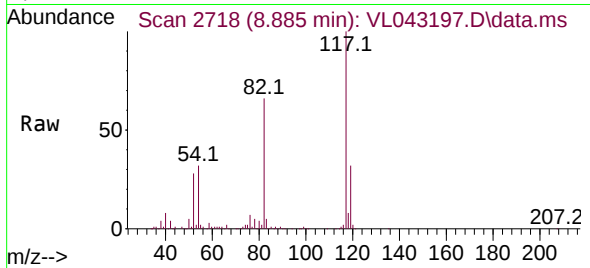
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.000 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Instrument :
MSVOA_L
ClientSampleId :
AA-East

Tgt Ion:117 Resp: 303679
Ion Ratio Lower Upper
117 100
82 65.4 53.8 80.8
119 31.8 25.4 38.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.597 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL043197.D
Acq: 13 Nov 2025 13:40

Tgt Ion: 95 Resp: 226539
Ion Ratio Lower Upper
95 100
174 62.7 48.3 72.5
175 4.8 3.8 5.8

