

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043175.D
 Acq On : 06 Nov 2025 19:30
 Operator : SY/MD
 Sample : Q3556-03 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 131-SG-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
 Supervised By :Mahesh Dadoda 11/10/2025

Quant Time: Nov 07 00:27:28 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2025

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	2.784	49	127539	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	353509	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	299020	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	232369	9.998	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	4484	0.247	ppbv #	74
3) Chlorodifluoromethane	1.476	51	2729m	0.139	ppbv	
4) Chloromethane	1.531	50	787	0.110	ppbv #	72
9) Propene	1.483	41	3194m	0.367	ppbv	
11) Trichlorofluoromethane	1.878	101	2510	0.142	ppbv	94
13) Ethanol	1.719	45	46750	14.526	ppbv	97
15) Acetone	1.832	43	106525	6.197	ppbv	97
17) tert-Butyl alcohol	2.040	59	2540	0.108	ppbv #	85
19) Isopropyl Alcohol	1.884	45	4232	0.395	ppbv #	1
20) Methylene Chloride	2.059	84	6903	1.016	ppbv	91
26) Hexane	2.823	57	8524	0.434	ppbv #	41
29) Chloroform	2.842	83	33102	1.163	ppbv	98
34) 2-Butanone	2.554	43	20168	0.849	ppbv	99
35) Carbon Tetrachloride	3.758	117	875m	0.034	ppbv	
52) Tetrachloroethene	8.212	164	5458m	0.455	ppbv	

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

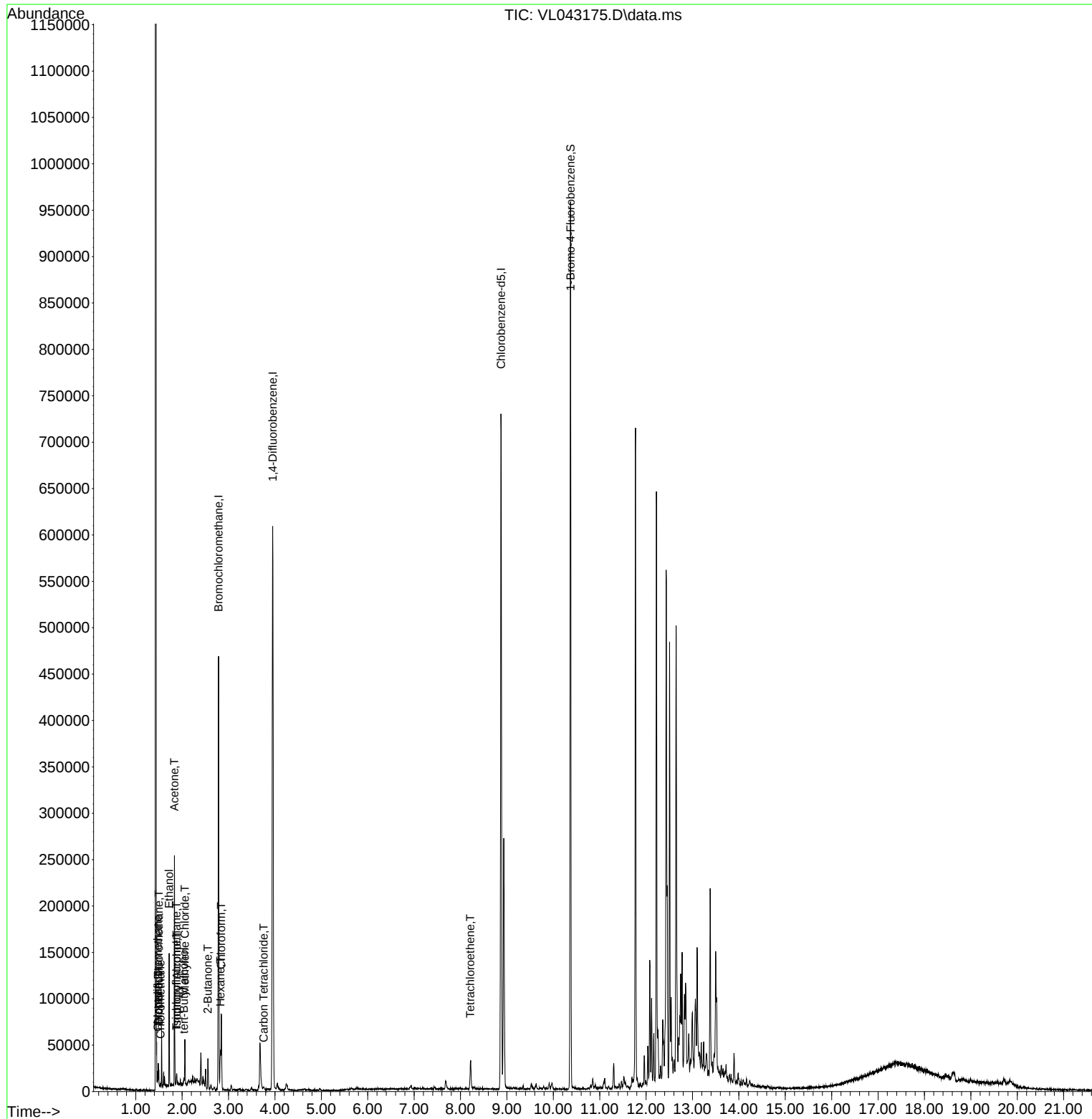
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043175.D
Acq On : 06 Nov 2025 19:30
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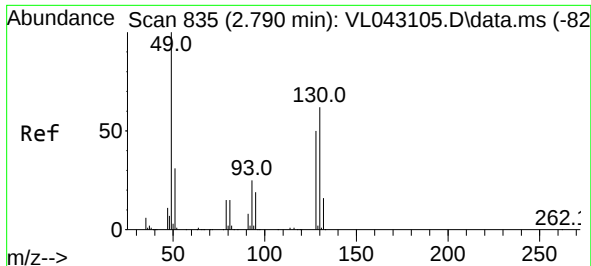
Instrument :
MSVOA_L
ClientSampleId :
131-SG-1

Manual Integrations
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Quant Time: Nov 07 00:27:28 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
Response via : Initial Calibration





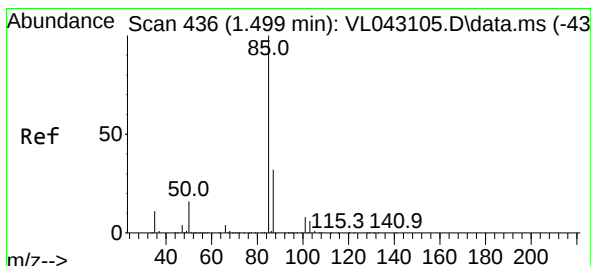
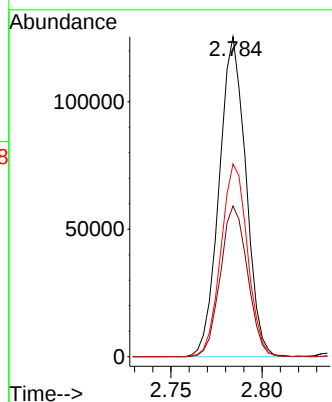
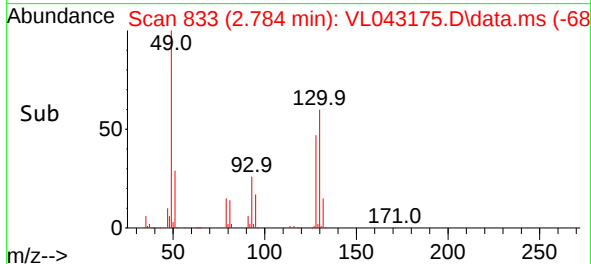
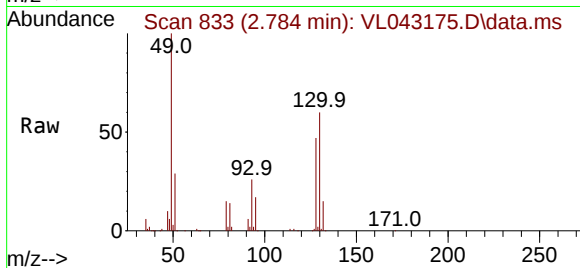
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. -0.006 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

Instrument :
MSVOA_L
ClientSampleId :
131-SG-1

Tgt Ion: 49 Resp: 127539
Ion Ratio Lower Upper
49 100
128 48.0 24.4 73.4
130 60.1 31.0 93.0

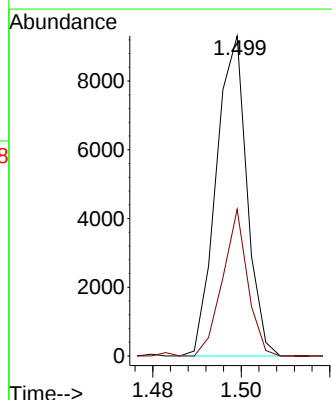
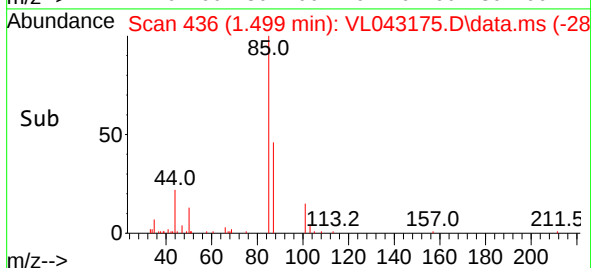
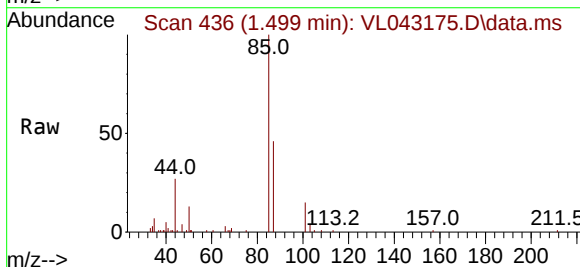
Manual Integrations
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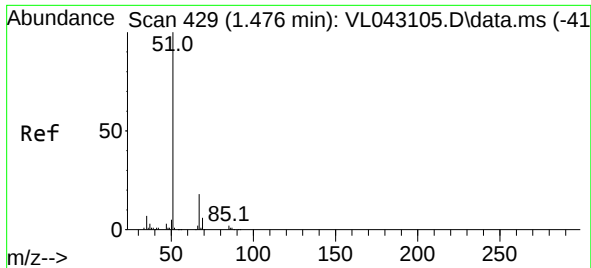
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#2
Dichlorodifluoromethane
Concen: 0.247 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

Tgt Ion: 85 Resp: 4484
Ion Ratio Lower Upper
85 100
87 45.9 25.3 37.9





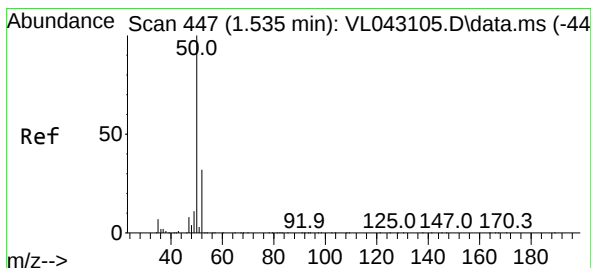
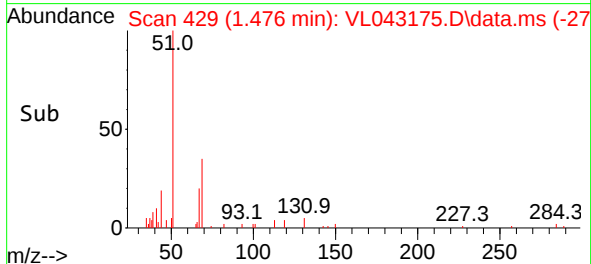
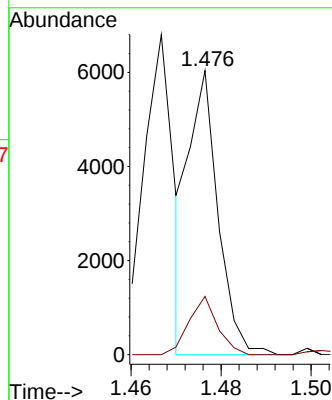
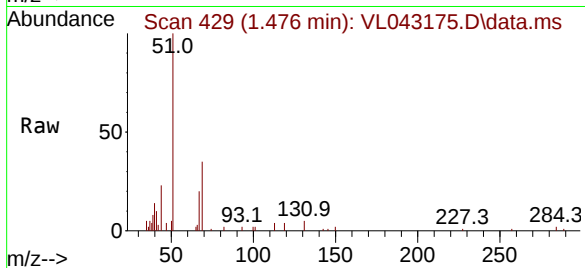
#3
Chlorodifluoromethane
Concen: 0.139 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

Instrument :
MSVOA_L
ClientSampleId :
131-SG-1

Tgt Ion: 51 Resp: 2729
Ion Ratio Lower Upper
51 100
67 21.5 15.1 22.7

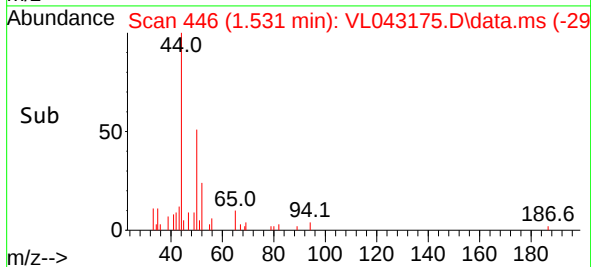
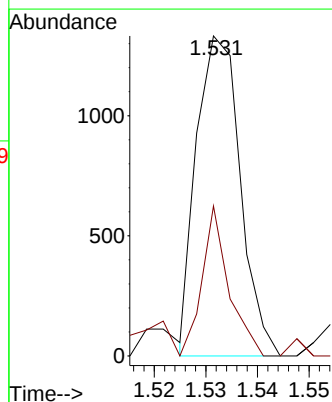
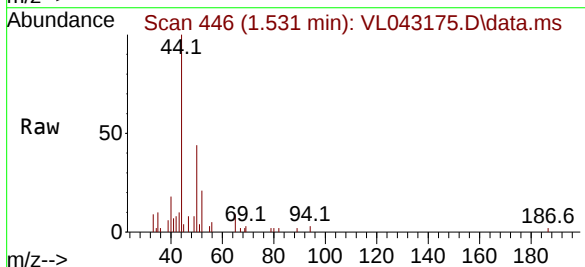
Manual Integrations
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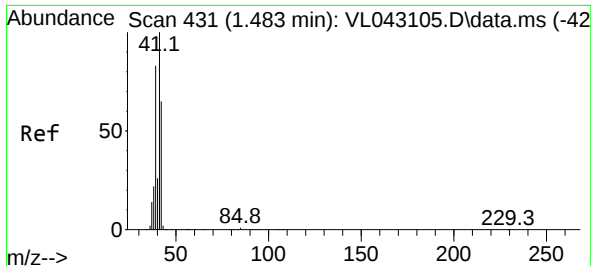
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#4
Chloromethane
Concen: 0.110 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

Tgt Ion: 50 Resp: 787
Ion Ratio Lower Upper
50 100
52 46.8 25.2 37.8#





#9

Propene

Concen: 0.367 ppbv m

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043175.D

Acq: 06 Nov 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

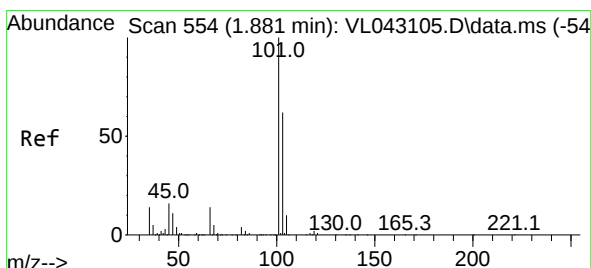
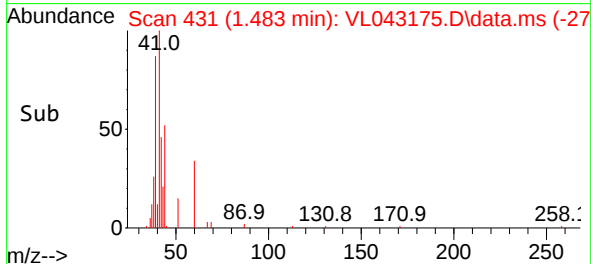
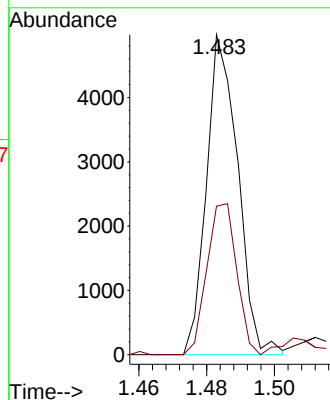
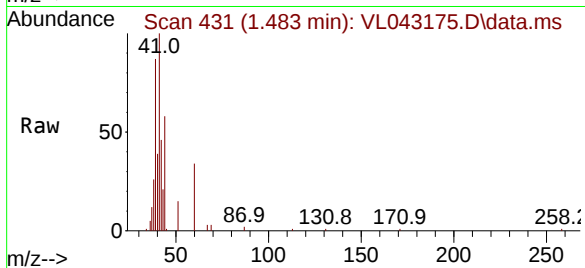
131-SG-1

Tgt Ion: 41 Resp: 3194
 Ion Ratio Lower Upper
 41 100
 42 25.0 55.1 82.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/07/2025
 Supervised By :Mahesh Dadoda 11/10/2025



#11

Trichlorofluoromethane

Concen: 0.142 ppbv

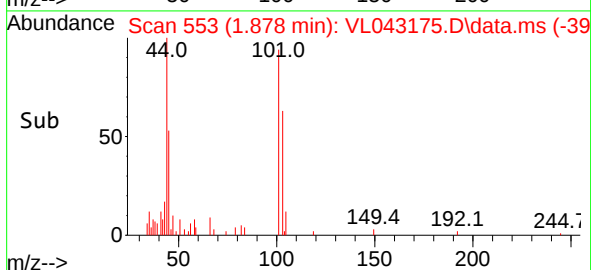
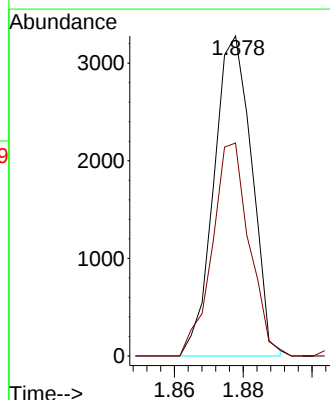
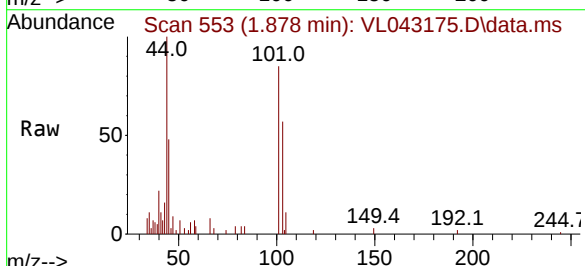
RT: 1.878 min Scan# 553

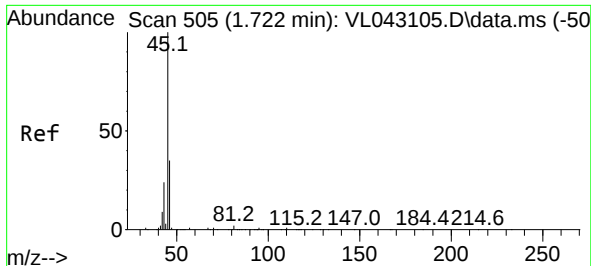
Delta R.T. -0.003 min

Lab File: VL043175.D

Acq: 06 Nov 2025 19:30

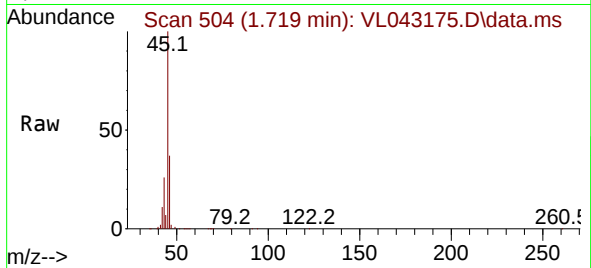
Tgt Ion:101 Resp: 2510
 Ion Ratio Lower Upper
 101 100
 103 66.5 49.3 73.9





#13
Ethanol
Concen: 14.526 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

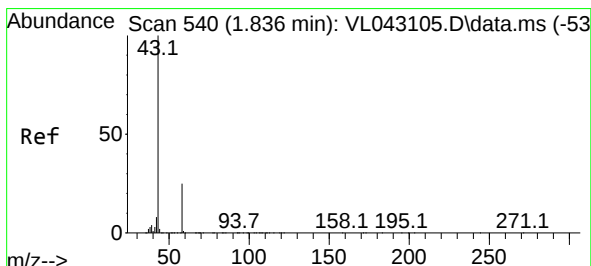
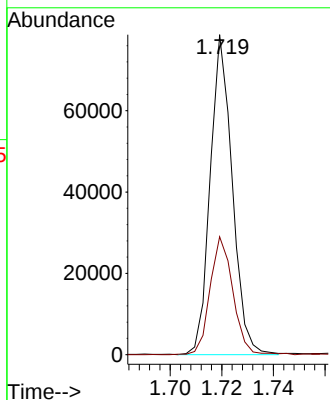
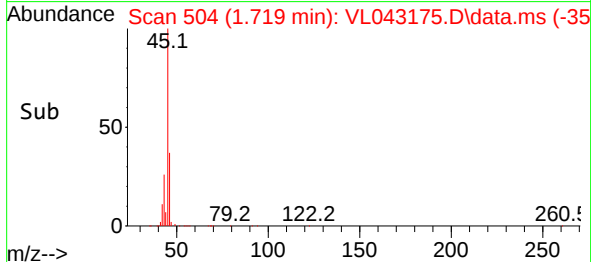
Instrument :
MSVOA_L
ClientSampleId :
131-SG-1



Tgt Ion: 45 Resp: 46750
Ion Ratio Lower Upper
45 100
46 38.5 14.7 58.9

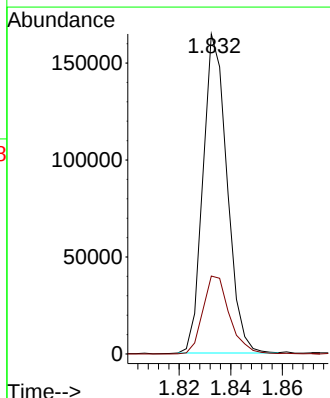
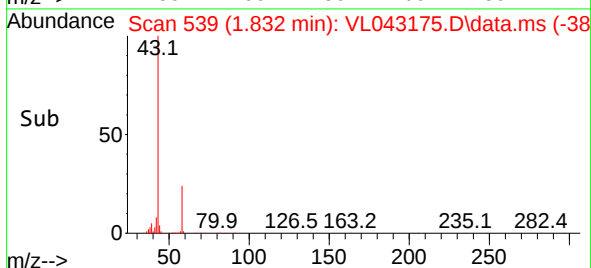
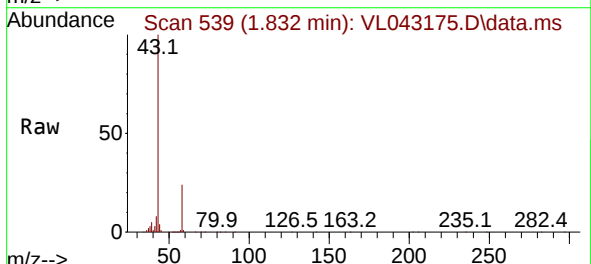
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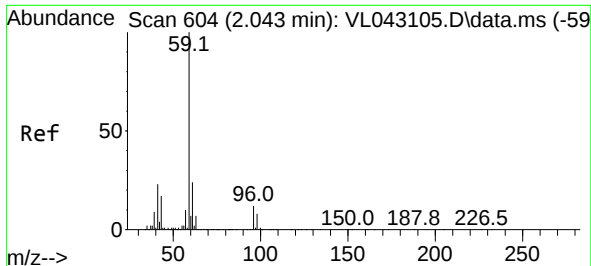
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#15
Acetone
Concen: 6.197 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

Tgt Ion: 43 Resp: 106525
Ion Ratio Lower Upper
43 100
58 27.4 20.8 31.2





#17

tert-Butyl alcohol

Concen: 0.108 ppbv

RT: 2.040 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL043175.D

Acq: 06 Nov 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

131-SG-1

Tgt Ion: 59 Resp: 2540

Ion Ratio Lower Upper

59 100

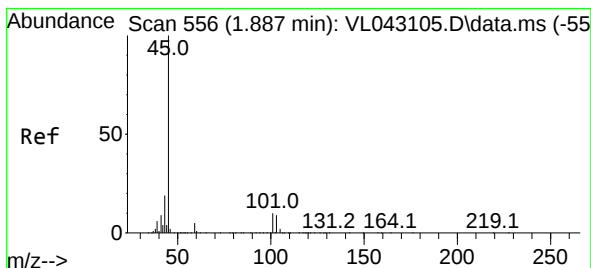
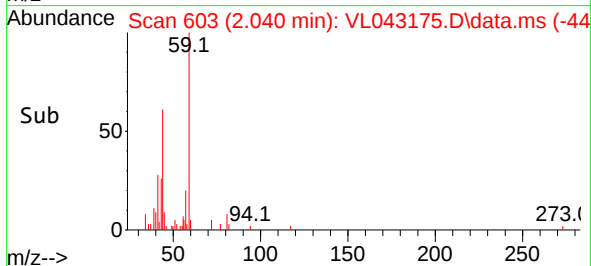
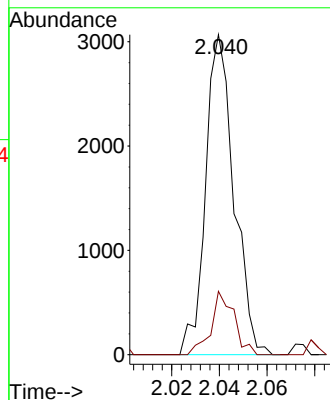
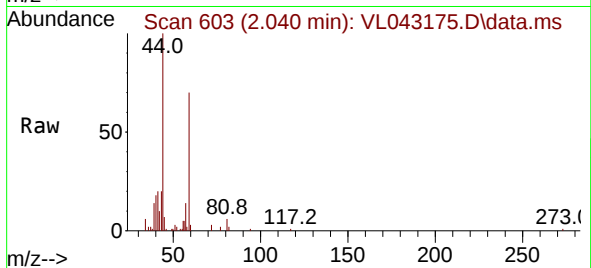
57 15.9 8.2 12.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/07/2025

Supervised By :Mahesh Dadoda 11/10/2025



#19

Isopropyl Alcohol

Concen: 0.395 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL043175.D

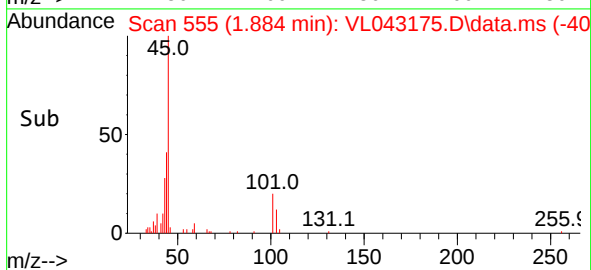
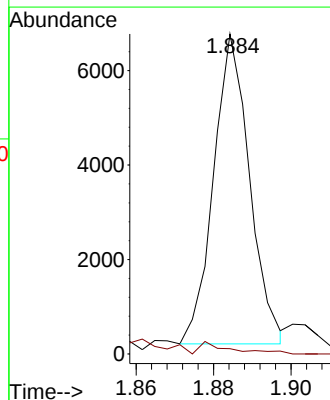
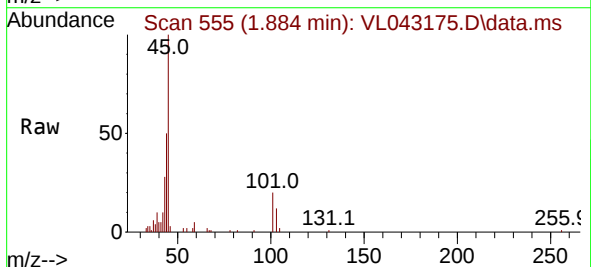
Acq: 06 Nov 2025 19:30

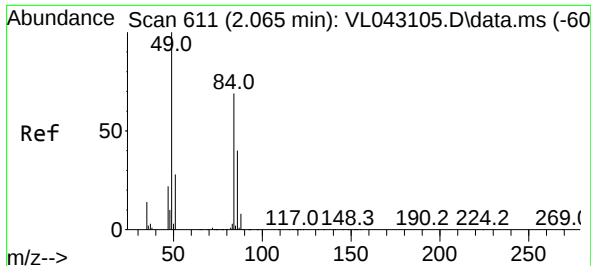
Tgt Ion: 45 Resp: 4232

Ion Ratio Lower Upper

45 100

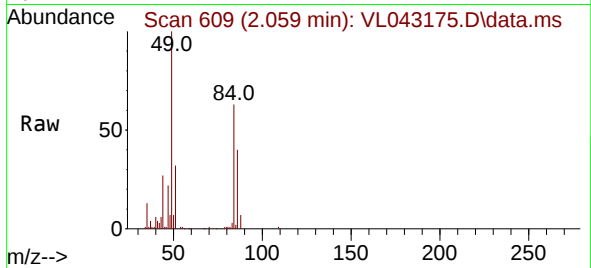
58 689.4 31.3 46.9





#20
Methylene Chloride
Concen: 1.016 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.006 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

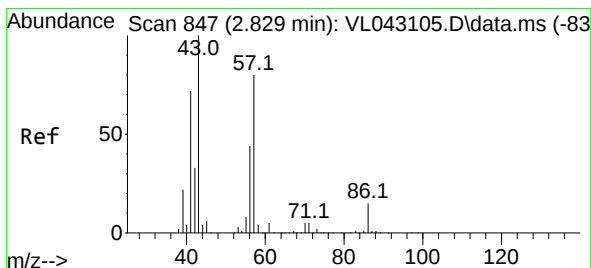
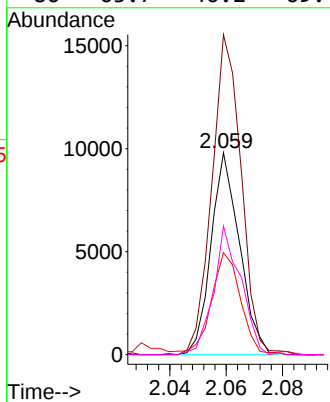
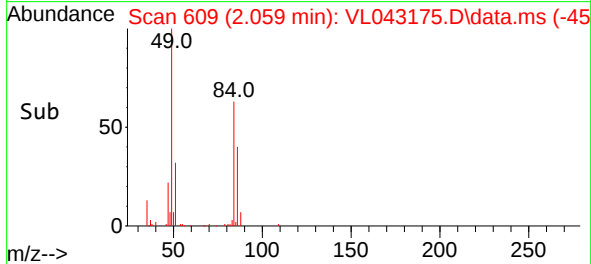
Instrument :
MSVOA_L
ClientSampleId :
131-SG-1



Tgt Ion: 84 Resp: 6900
Ion Ratio Lower Upper
84 100
49 158.5 116.6 175.0
51 49.2 34.8 52.2
86 63.7 46.2 69.4

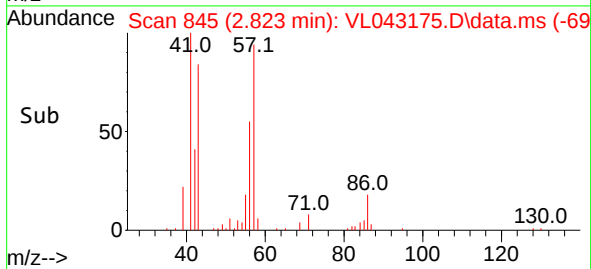
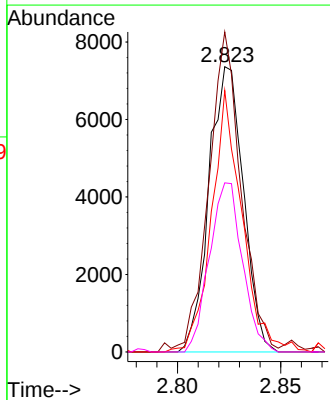
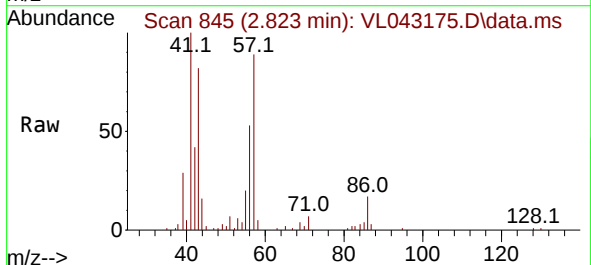
Manual Integrations
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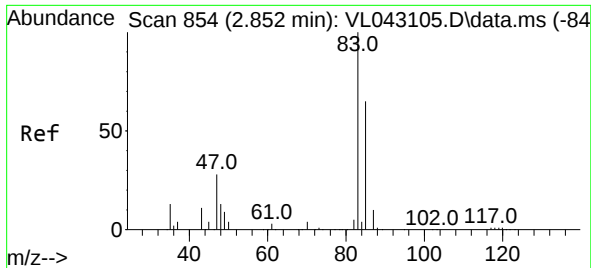
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#26
Hexane
Concen: 0.434 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

Tgt Ion: 57 Resp: 8524
Ion Ratio Lower Upper
57 100
41 110.2 71.4 107.0#
43 82.9 178.5 267.7#
56 57.6 42.2 63.4





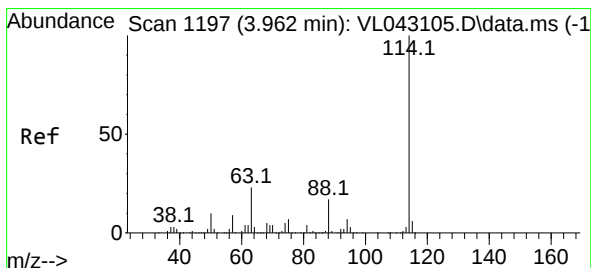
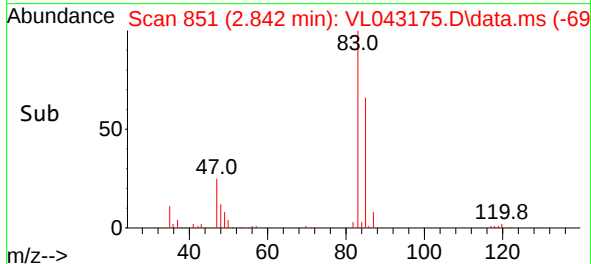
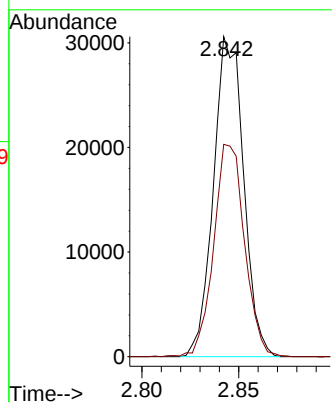
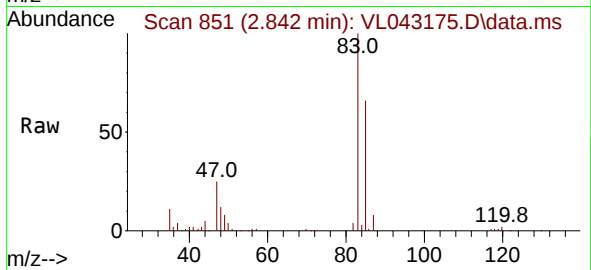
#29
Chloroform
Concen: 1.163 ppbv
RT: 2.842 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

Instrument :
MSVOA_L
ClientSampleId :
131-SG-1

Tgt Ion: 83 Resp: 3310
Ion Ratio Lower Upper
83 100
85 66.1 51.8 77.6

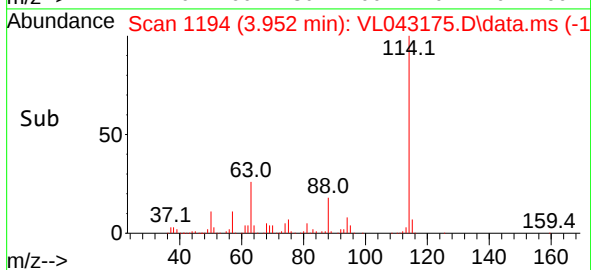
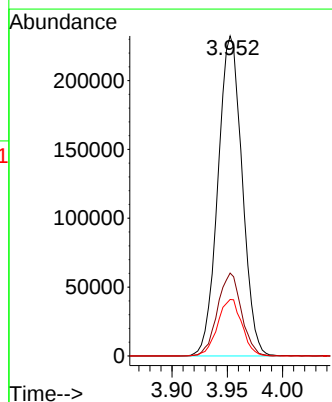
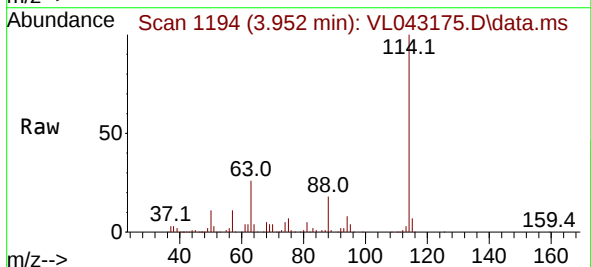
Manual Integrations
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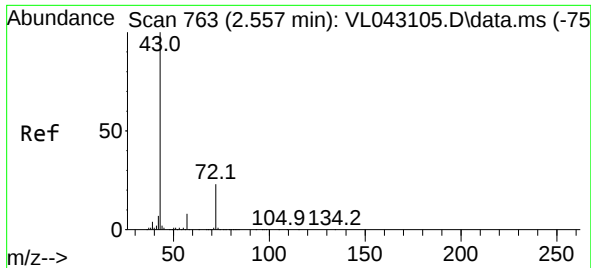
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.010 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

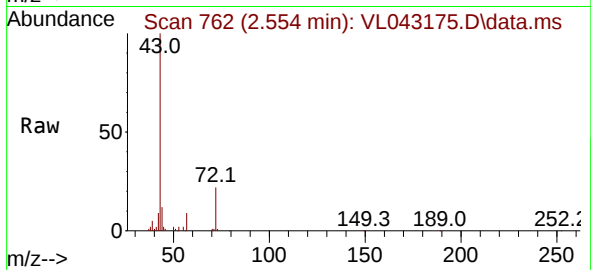
Tgt Ion:114 Resp: 353509
Ion Ratio Lower Upper
114 100
63 25.7 19.3 28.9
88 17.8 13.9 20.9





#34
2-Butanone
Concen: 0.849 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

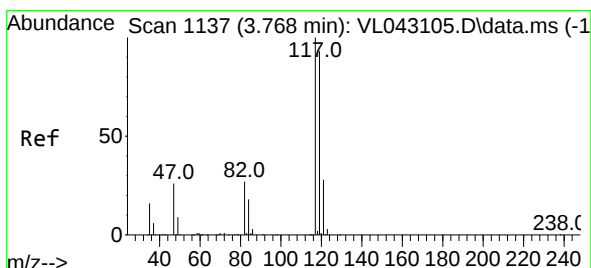
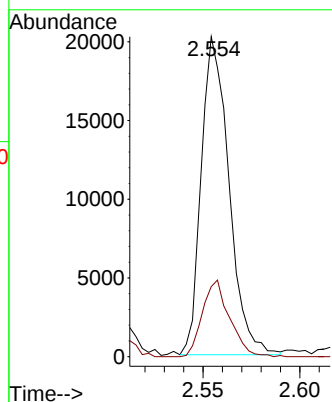
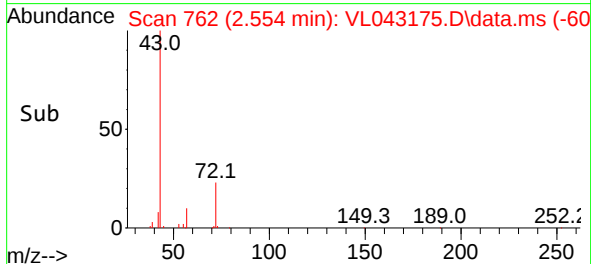
Instrument :
MSVOA_L
ClientSampleId :
131-SG-1



Tgt Ion: 43 Resp: 20168
Ion Ratio Lower Upper
43 100
72 23.5 18.4 27.6

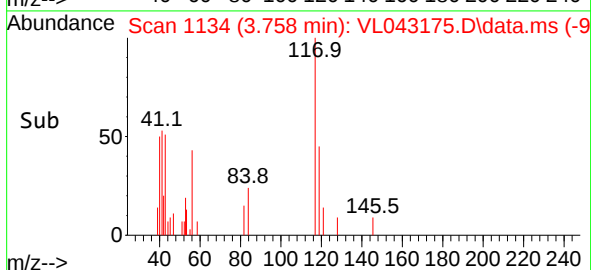
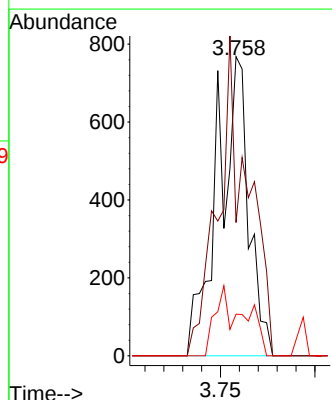
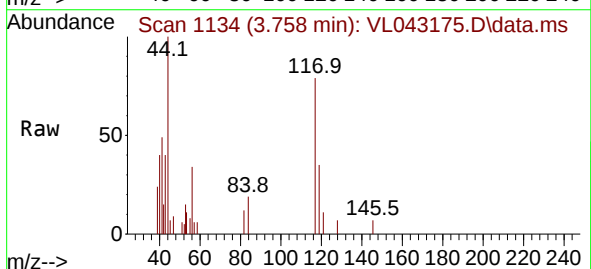
Manual Integrations
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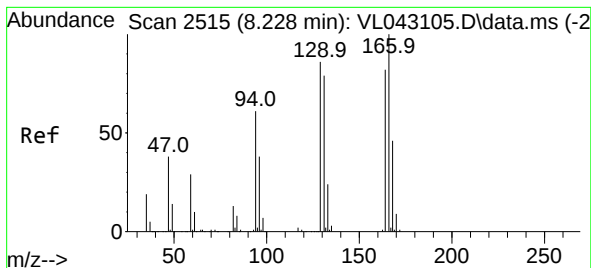
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#35
Carbon Tetrachloride
Concen: 0.034 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. -0.010 min
Lab File: VL043175.D
Acq: 06 Nov 2025 19:30

Tgt Ion:117 Resp: 875
Ion Ratio Lower Upper
117 100
119 44.5 74.1 111.1#
121 13.9 22.2 33.2#





#52

Tetrachloroethene

Concen: 0.455 ppbv m

RT: 8.212 min Scan# 2515

Delta R.T. -0.016 min

Lab File: VL043175.D

Acq: 06 Nov 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

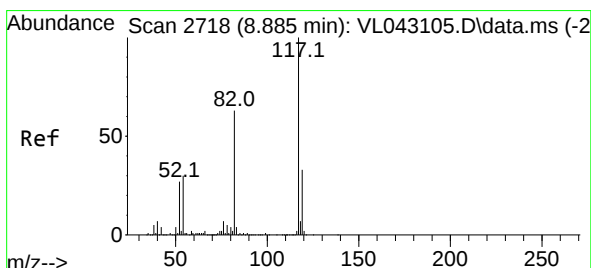
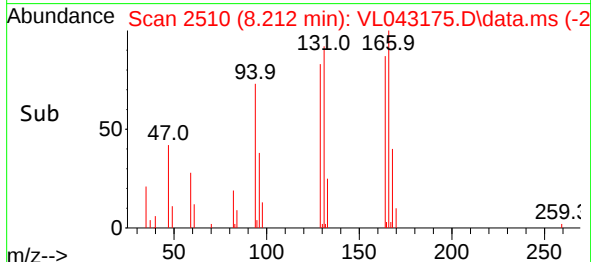
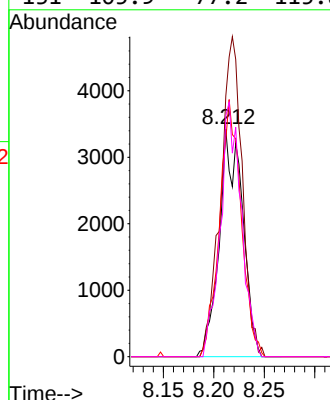
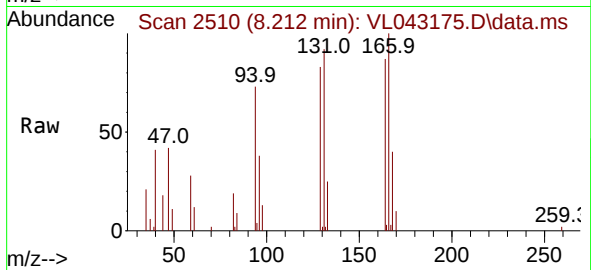
131-SG-1

Tgt Ion:164	Resp:	5458
Ion Ratio	Lower	Upper
164	100	
166	114.5	97.6 146.4
129	95.2	84.5 126.7
131	105.9	77.2 115.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

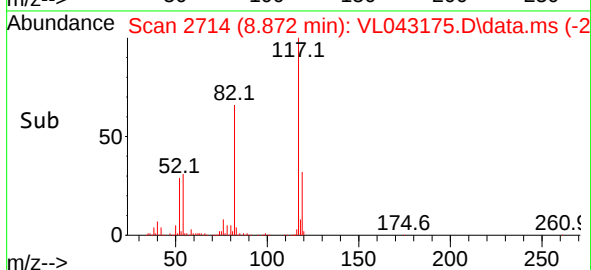
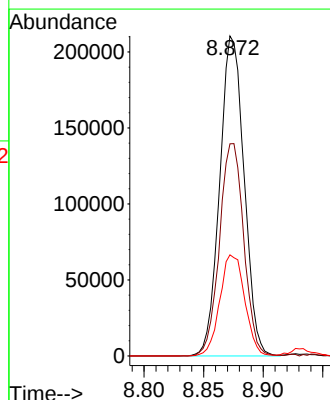
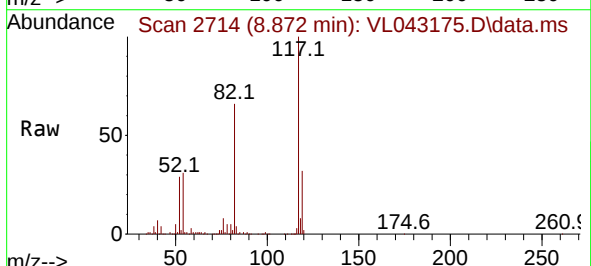
RT: 8.872 min Scan# 2714

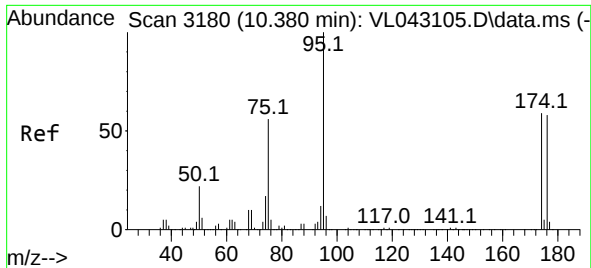
Delta R.T. -0.013 min

Lab File: VL043175.D

Acq: 06 Nov 2025 19:30

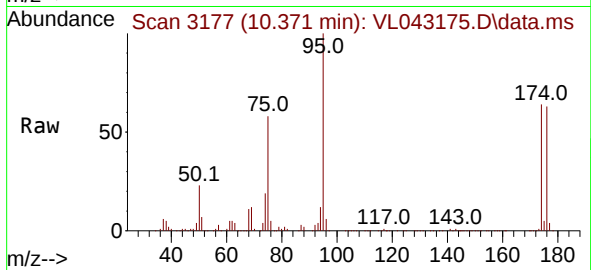
Tgt Ion:117	Resp:	299020
Ion Ratio	Lower	Upper
117	100	
82	66.2	53.8 80.8
119	32.4	25.4 38.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.998 ppbv
 RT: 10.371 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: VL043175.D
 Acq: 06 Nov 2025 19:30

Instrument :
 MSVOA_L
 ClientSampleId :
 131-SG-1



Tgt Ion: 95 Resp: 232369
 Ion Ratio Lower Upper
 95 100
 174 64.4 48.3 72.5
 175 4.8 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
 Supervised By :Mahesh Dadoda 11/10/2025

