

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043237.D
 Acq On : 19 Nov 2025 13:50
 Operator : SY/MD
 Sample : Q3626-03 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 9B-SG-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 20 00:04:50 2025

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

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

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	2.784	49	102616	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	290774	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	231142	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	167299	9.874	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	4164	0.288	ppbv #	84
3) Chlorodifluoromethane	1.476	51	1684m	0.118	ppbv	
4) Chloromethane	1.531	50	635	0.117	ppbv #	88
9) Propene	1.486	41	2474	0.409	ppbv #	1
11) Trichlorofluoromethane	1.881	101	1987	0.142	ppbv	84
13) Ethanol	1.722	45	7021	3.303	ppbv #	38
15) Acetone	1.832	43	117974	8.275	ppbv	97
17) tert-Butyl alcohol	2.039	59	3430	0.183	ppbv #	82
19) Isopropyl Alcohol	1.887	45	4299	0.534	ppbv #	1
20) Methylene Chloride	2.059	84	8293	1.290	ppbv #	85
26) Hexane	2.819	57	10878	0.807	ppbv #	42
34) 2-Butanone	2.557	43	20773	1.012	ppbv	99
36) Benzene	3.651	78	43150	1.550	ppbv	97
38) Trichloroethene	4.528	130	850m	0.078	ppbv	
52) Tetrachloroethene	8.218	164	99519	9.608	ppbv	98
53) Toluene	6.920	91	7855m	0.238	ppbv	
59) m/p-Xylene	9.529	91	5081m	0.142	ppbv	
62) Isopropylbenzene	10.535	105	66231	1.039	ppbv	100

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

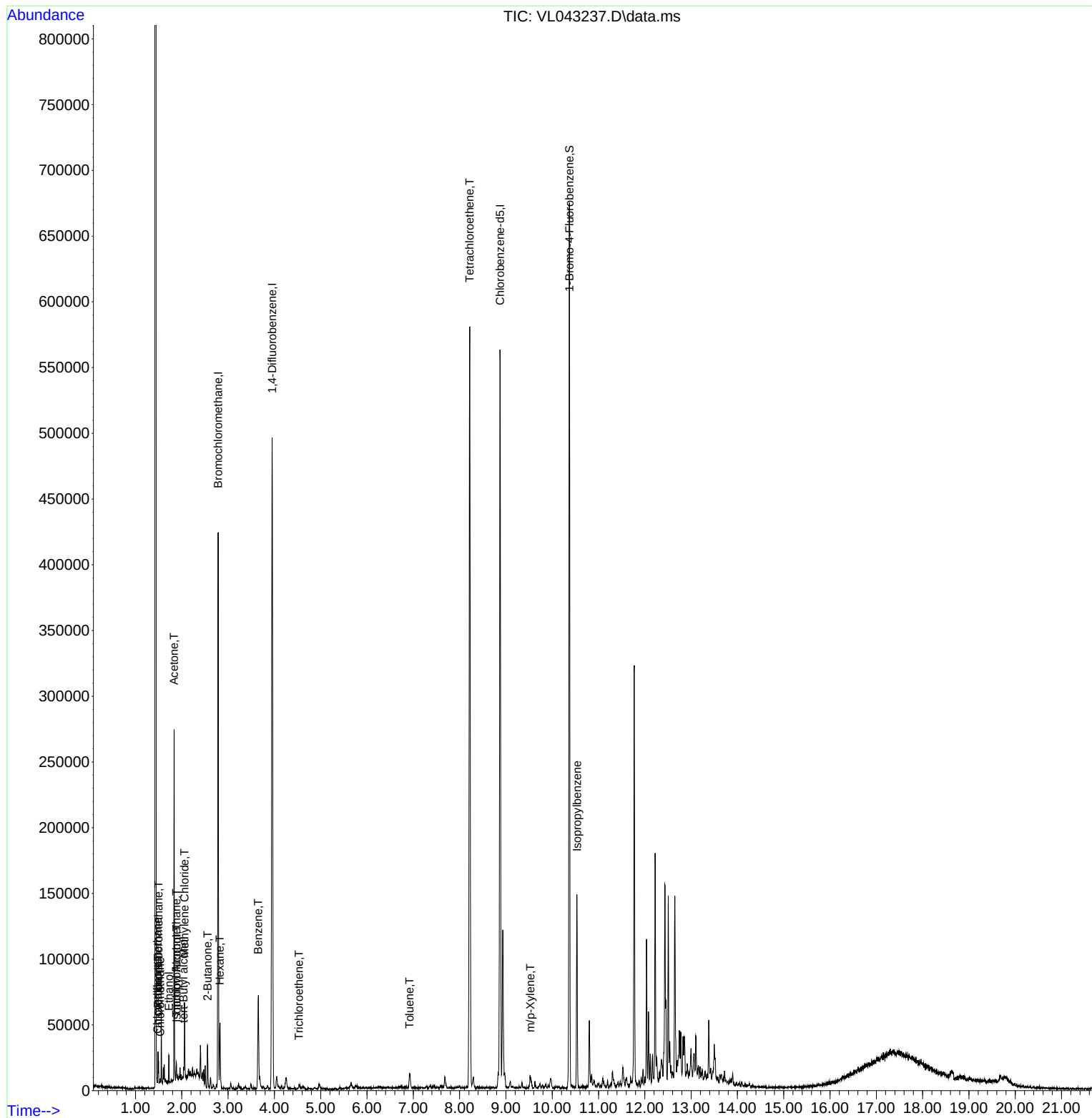
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
Data File : VL043237.D
Acq On : 19 Nov 2025 13:50
Operator : SY/MD
Sample : Q3626-03 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

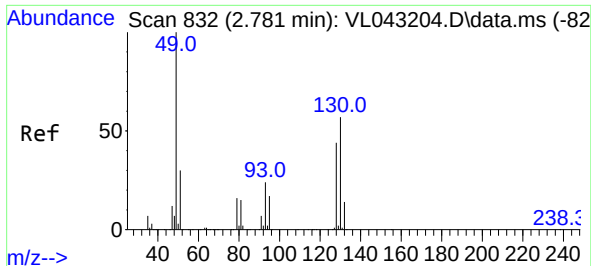
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1

Quant Time: Nov 20 00:04:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.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 11/21/2025
Supervised By : Mahesh Dadoda 11/21/2025





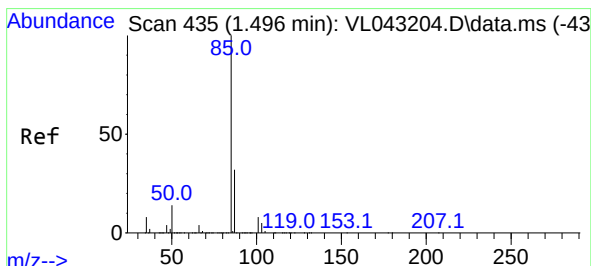
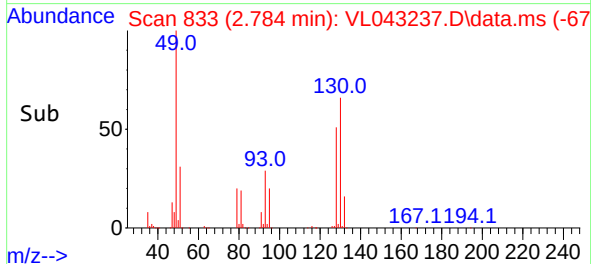
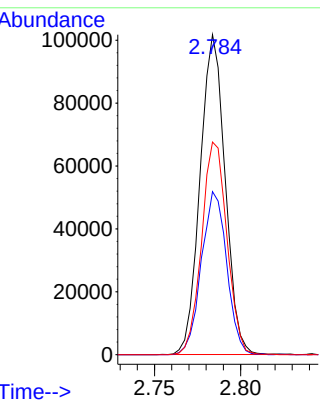
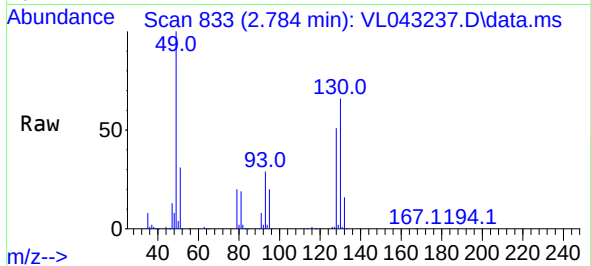
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1

Tgt Ion: 49 Resp: 102610
Ion Ratio Lower Upper
49 100
128 51.8 23.0 69.0
130 67.5 29.9 89.7

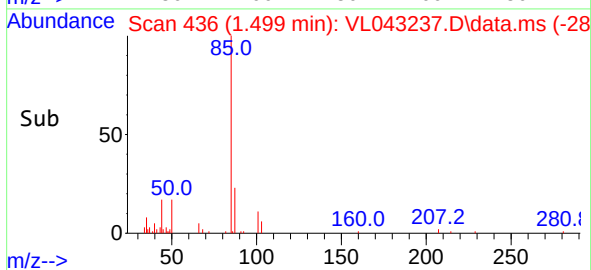
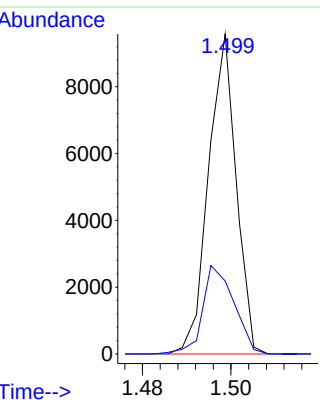
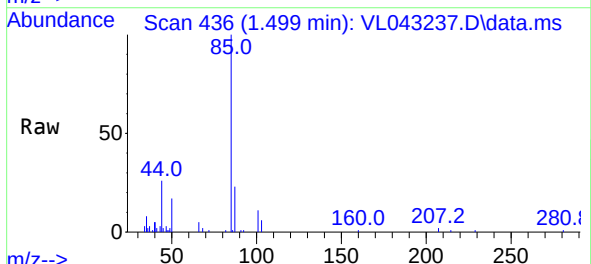
Manual Integrations
APPROVED

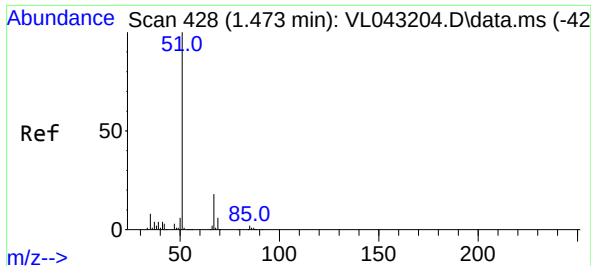
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#2
Dichlorodifluoromethane
Concen: 0.288 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

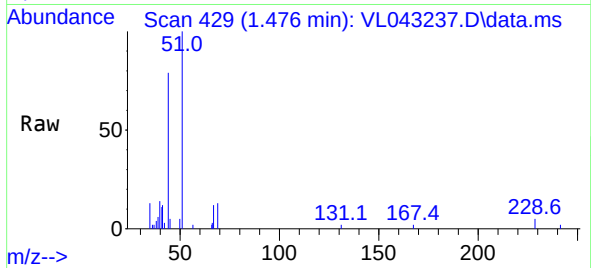
Tgt Ion: 85 Resp: 4164
Ion Ratio Lower Upper
85 100
87 22.8 25.4 38.2#





#3
Chlorodifluoromethane
Concen: 0.118 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

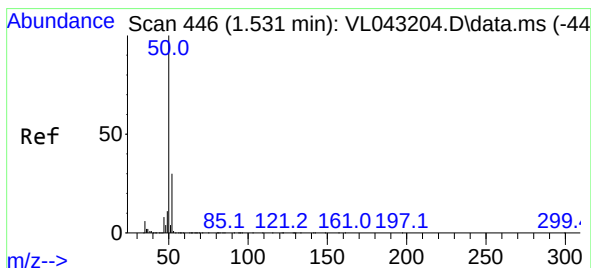
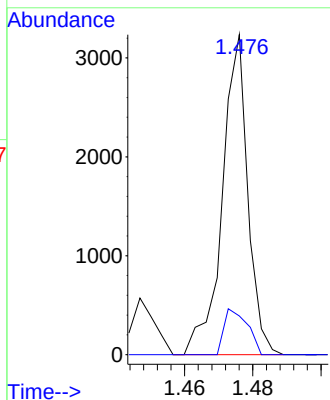
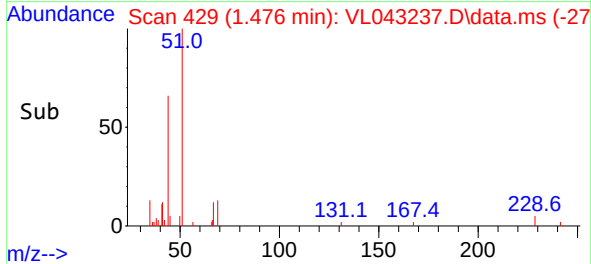
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1



Tgt Ion: 51 Resp: 1684
Ion Ratio Lower Upper
51 100
67 2.2 14.9 22.3

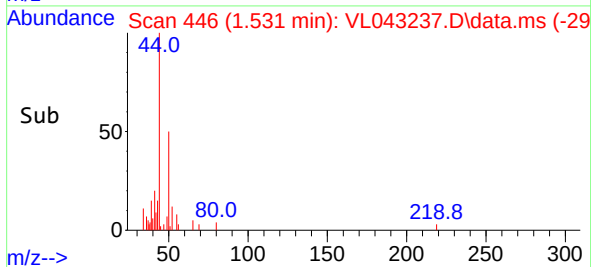
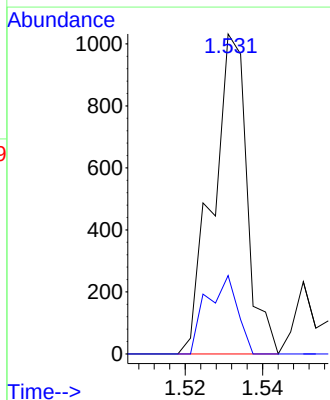
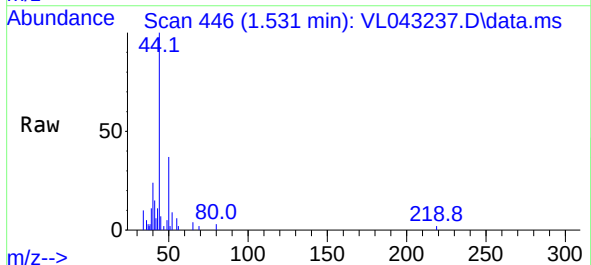
Manual Integrations
APPROVED

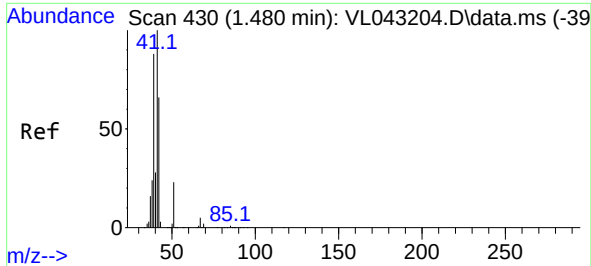
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#4
Chloromethane
Concen: 0.117 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Tgt Ion: 50 Resp: 635
Ion Ratio Lower Upper
50 100
52 23.4 24.1 36.1





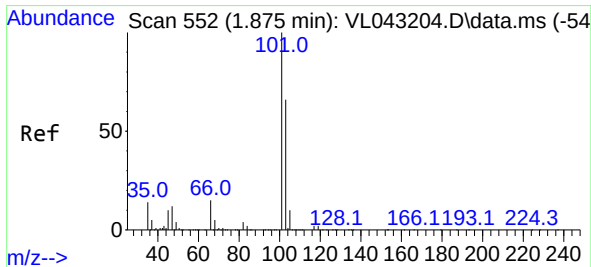
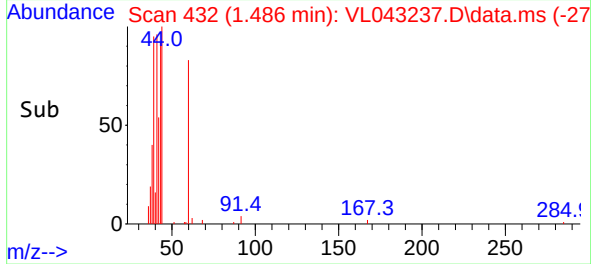
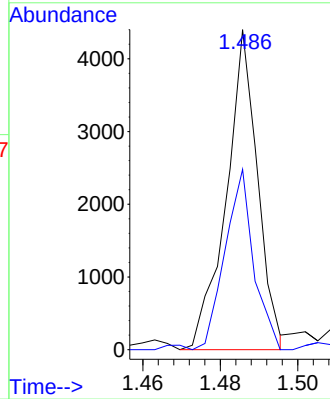
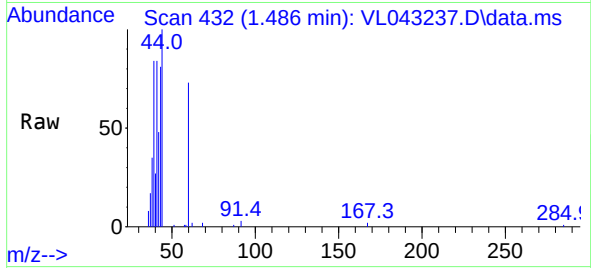
#9
Propene
Concen: 0.409 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1

Tgt Ion: 41 Resp: 2474
Ion Ratio Lower Upper
41 100
42 54.9 3.7 5.5

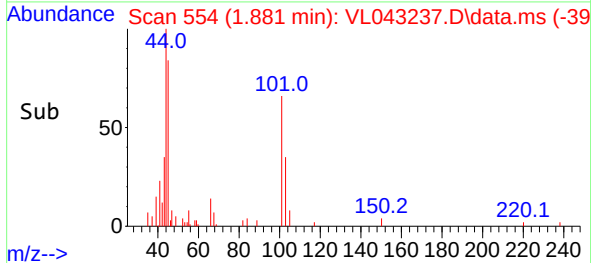
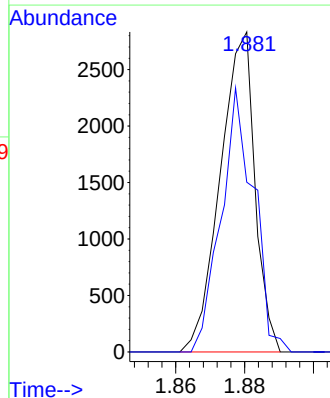
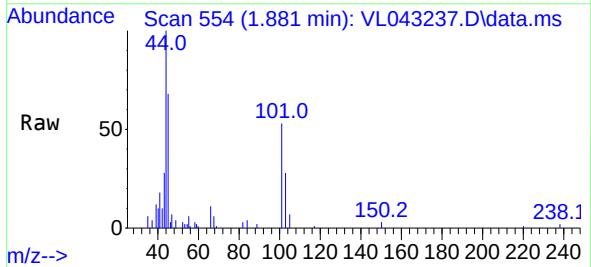
Manual Integrations
APPROVED

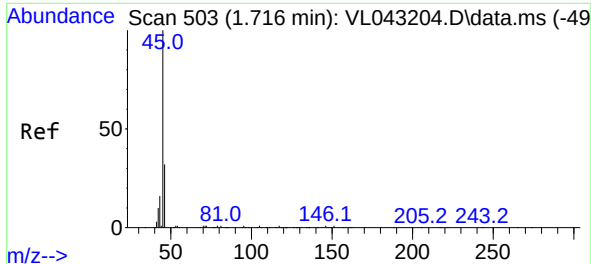
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#11
Trichlorofluoromethane
Concen: 0.142 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.006 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Tgt Ion:101 Resp: 1987
Ion Ratio Lower Upper
101 100
103 53.1 52.6 79.0





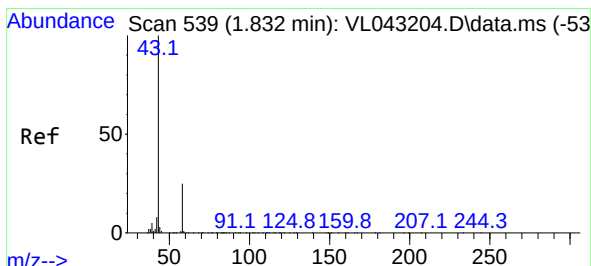
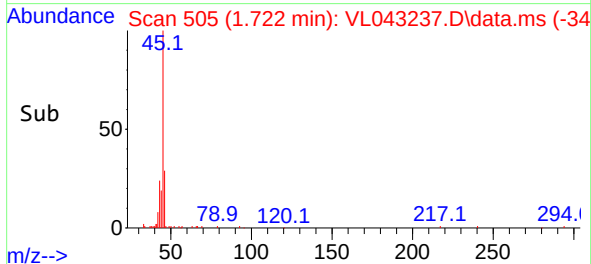
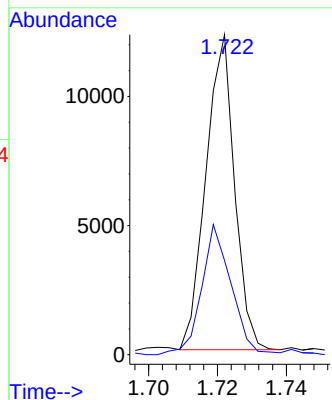
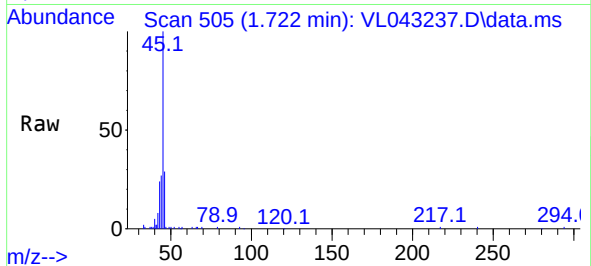
#13
Ethanol
Concen: 3.303 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.006 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1

Tgt Ion: 45 Resp: 702
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

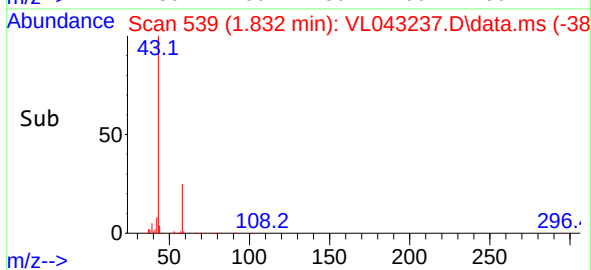
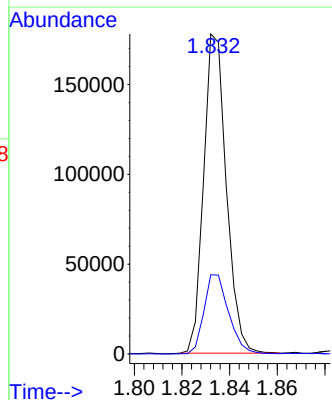
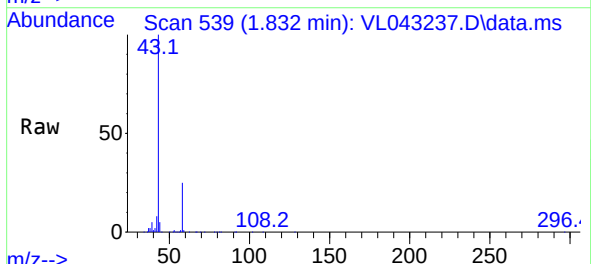
Manual Integrations
APPROVED

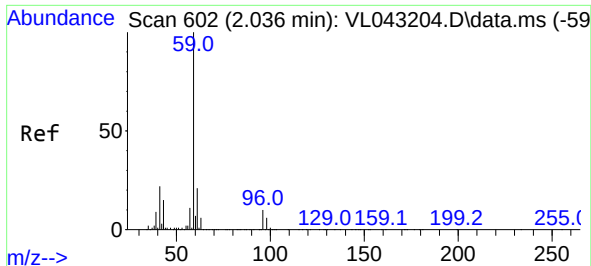
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#15
Acetone
Concen: 8.275 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

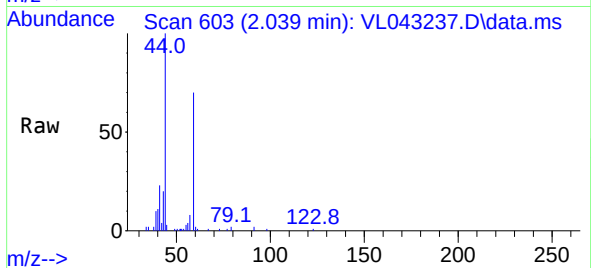
Tgt Ion: 43 Resp: 117974
Ion Ratio Lower Upper
43 100
58 27.3 20.7 31.1





#17
tert-Butyl alcohol
Concen: 0.183 ppbv
RT: 2.039 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

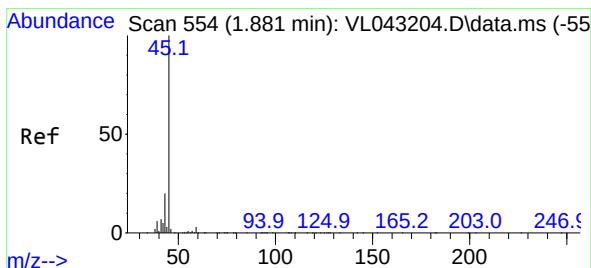
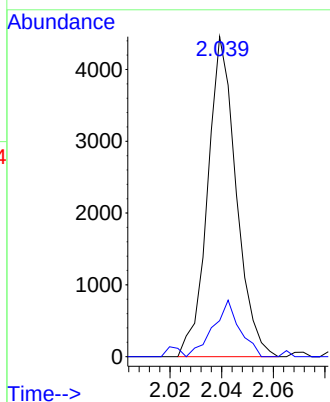
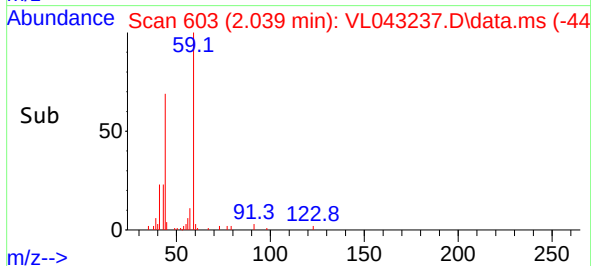
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1



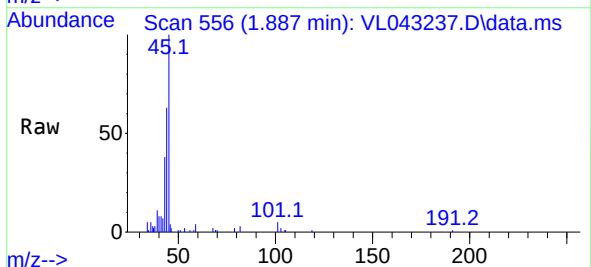
Tgt Ion: 59 Resp: 3430
Ion Ratio Lower Upper
59 100
57 18.2 9.0 13.4

Manual Integrations
APPROVED

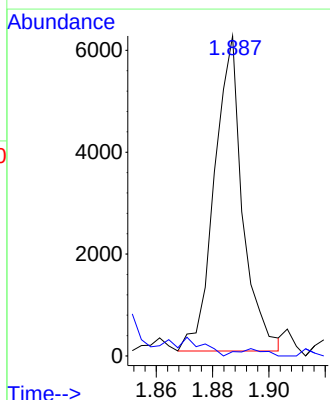
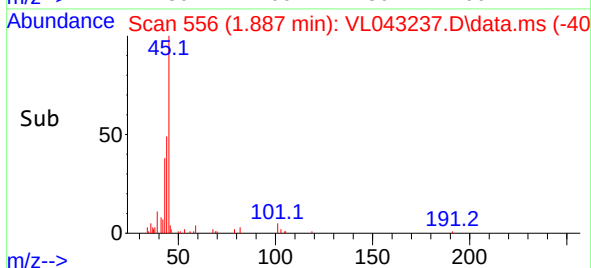
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

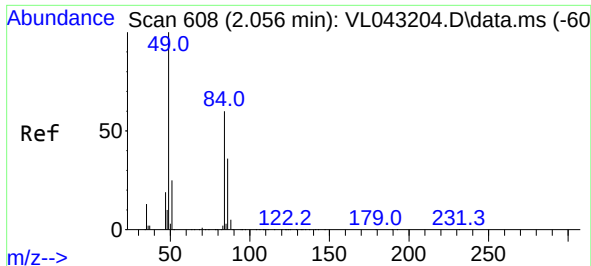


#19
Isopropyl Alcohol
Concen: 0.534 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.006 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50



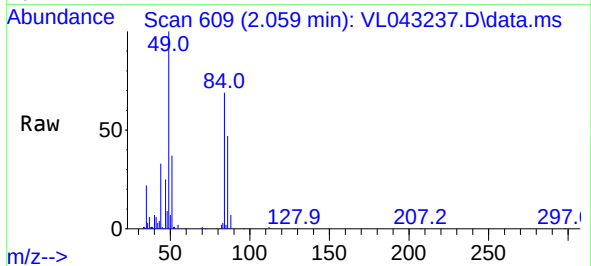
Tgt Ion: 45 Resp: 4299
Ion Ratio Lower Upper
45 100
58 750.3 31.3 46.9





#20
Methylene Chloride
Concen: 1.290 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

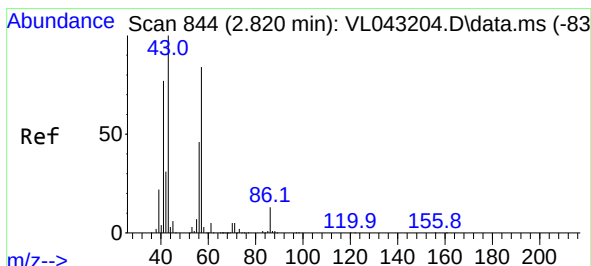
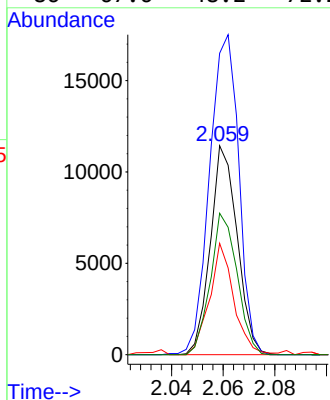
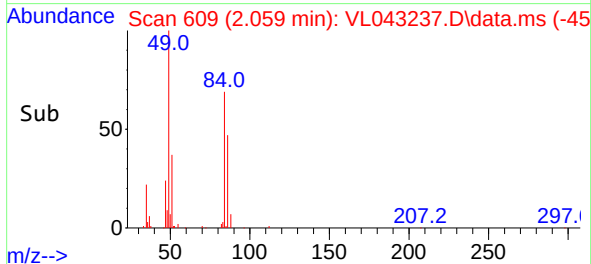
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1



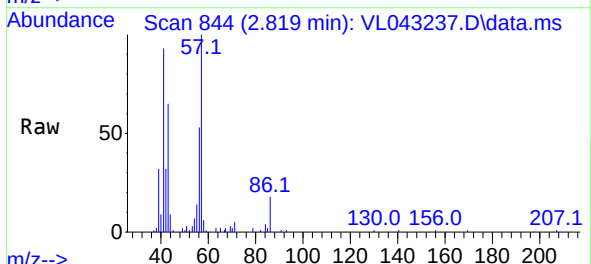
Tgt Ion: 84 Resp: 829
Ion Ratio Lower Upper
84 100
49 144.2 132.9 199.3
51 53.3 34.8 52.2
86 67.6 48.2 72.2

Manual Integrations
APPROVED

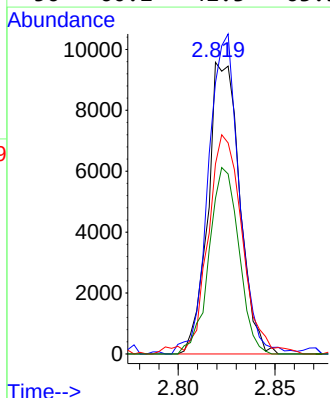
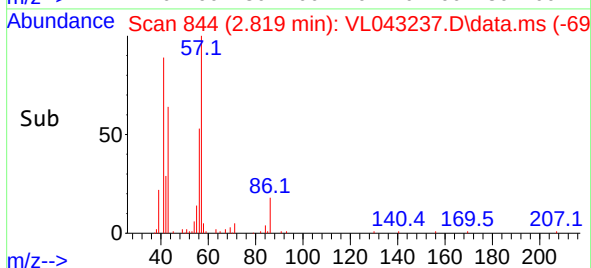
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

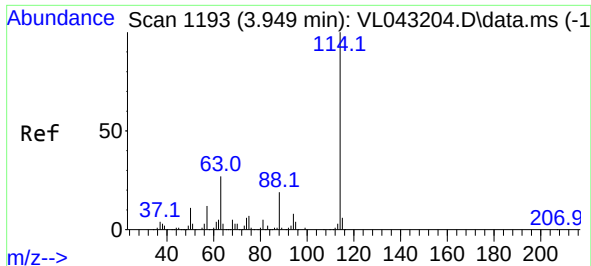


#26
Hexane
Concen: 0.807 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50



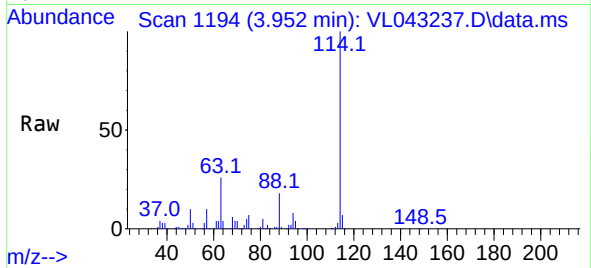
Tgt Ion: 57 Resp: 10878
Ion Ratio Lower Upper
57 100
41 108.0 74.6 111.8
43 81.7 179.0 268.4
56 60.2 42.3 63.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

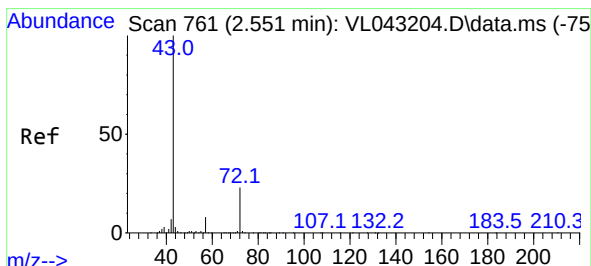
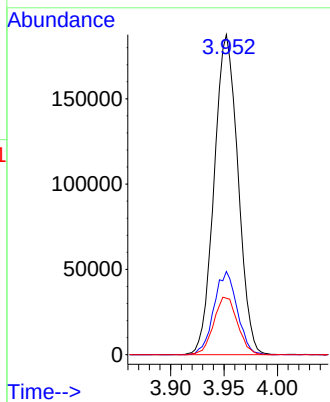
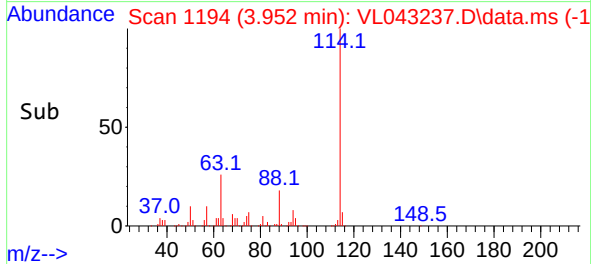
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1



Tgt Ion:114 Resp: 290774
Ion Ratio Lower Upper
114 100
63 25.5 21.0 31.6
88 18.0 14.9 22.3

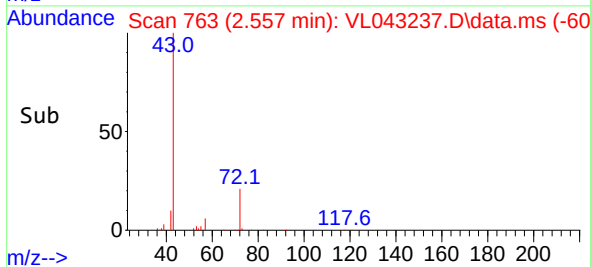
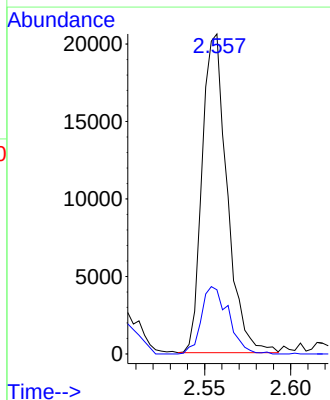
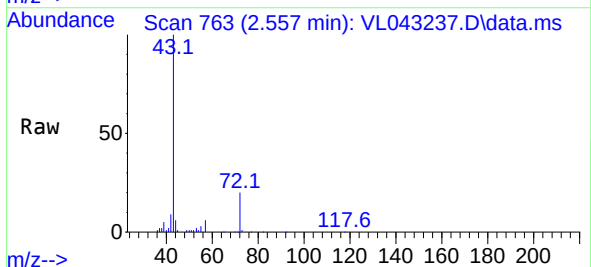
Manual Integrations
APPROVED

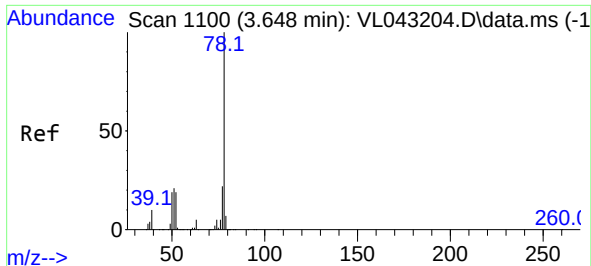
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#34
2-Butanone
Concen: 1.012 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

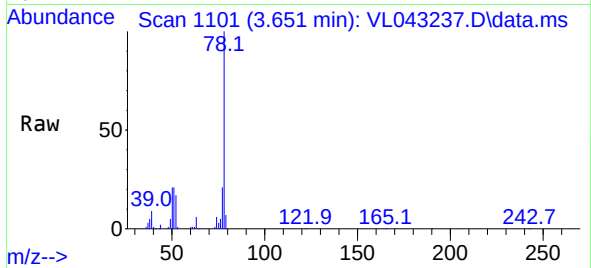
Tgt Ion: 43 Resp: 20773
Ion Ratio Lower Upper
43 100
72 23.1 18.1 27.1





#36
Benzene
Concen: 1.550 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

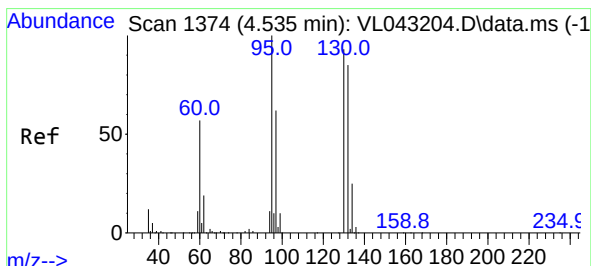
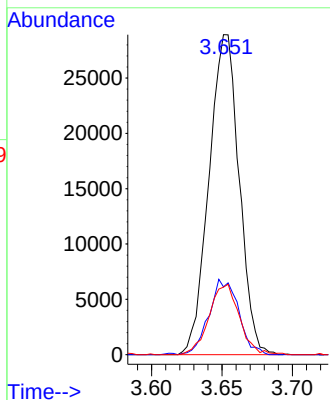
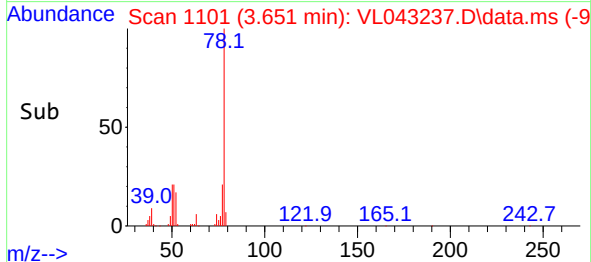
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1



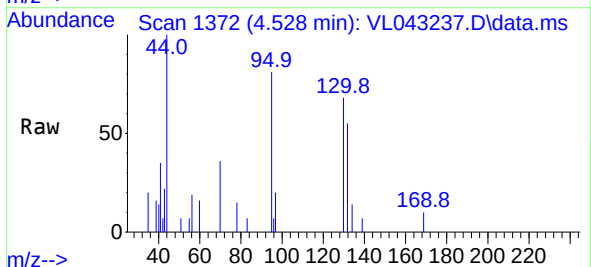
Tgt Ion: 78 Resp: 43150
Ion Ratio Lower Upper
78 100
77 21.2 17.5 26.3
50 21.1 15.5 23.3

Manual Integrations
APPROVED

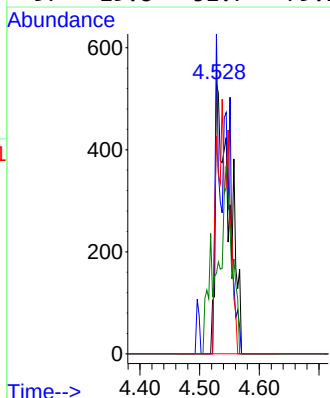
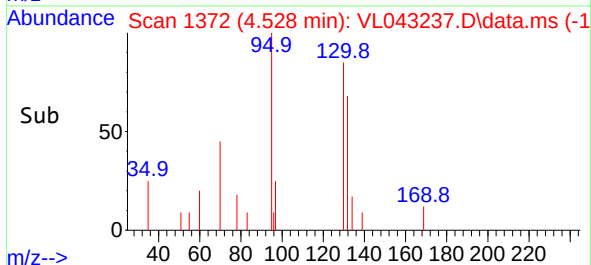
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

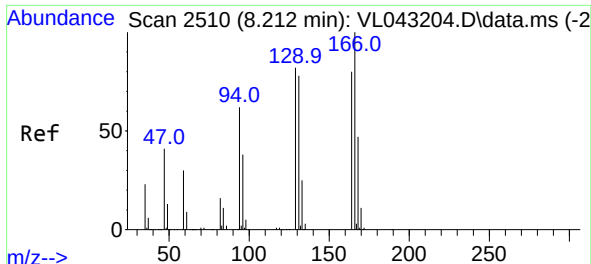


#38
Trichloroethene
Concen: 0.078 ppbv m
RT: 4.528 min Scan# 1372
Delta R.T. -0.007 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50



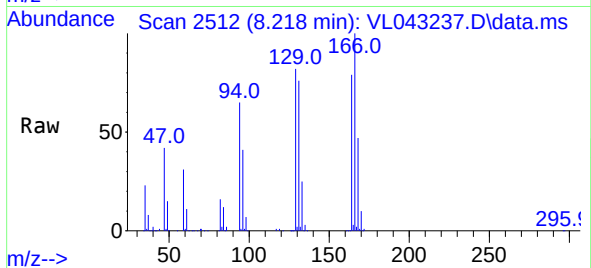
Tgt Ion:130 Resp: 850
Ion Ratio Lower Upper
130 100
95 118.3 85.7 128.5
132 80.4 73.4 110.0
97 29.8 52.7 79.1#





#52
Tetrachloroethene
Concen: 9.608 ppbv
RT: 8.218 min Scan# 2510
Delta R.T. 0.006 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

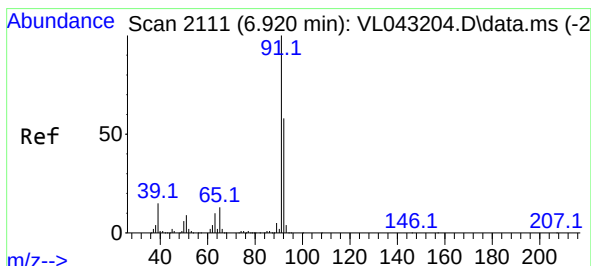
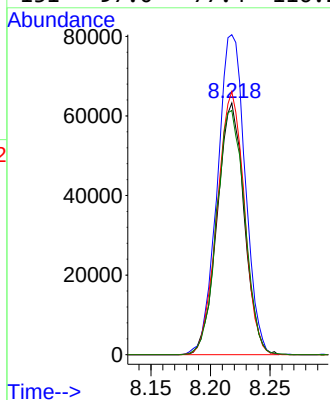
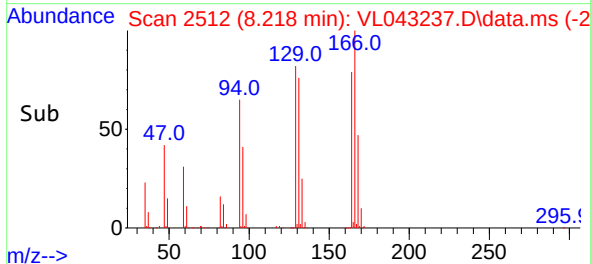
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1



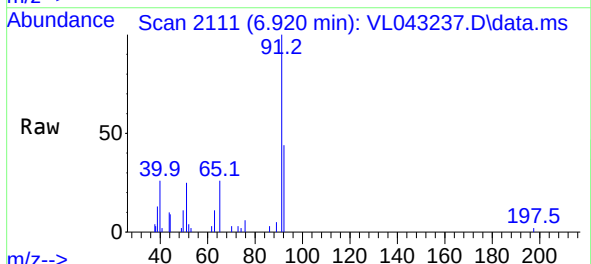
Tgt Ion:164 Resp: 99519
Ion Ratio Lower Upper
164 100
166 127.1 99.4 149.2
129 104.5 81.8 122.8
131 97.0 77.4 116.2

Manual Integrations
APPROVED

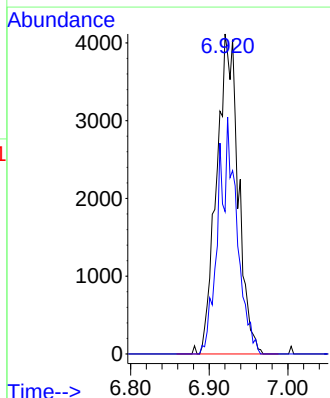
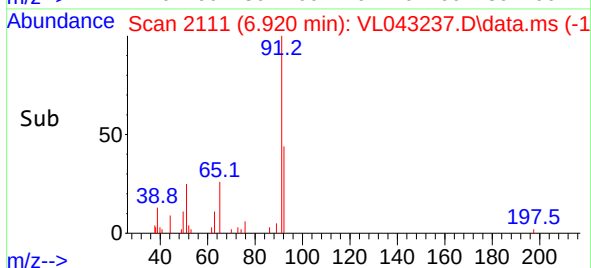
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

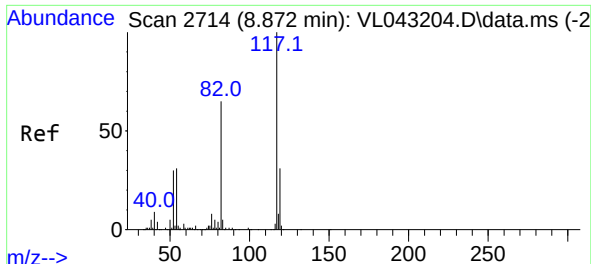


#53
Toluene
Concen: 0.238 ppbv m
RT: 6.920 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50



Tgt Ion: 91 Resp: 7855
Ion Ratio Lower Upper
91 100
92 63.6 47.4 71.0





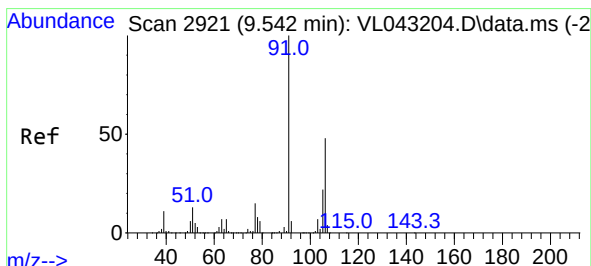
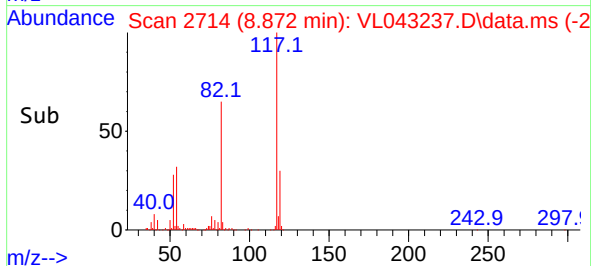
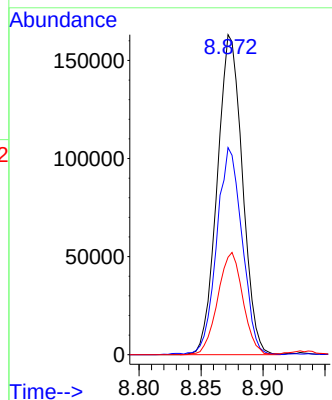
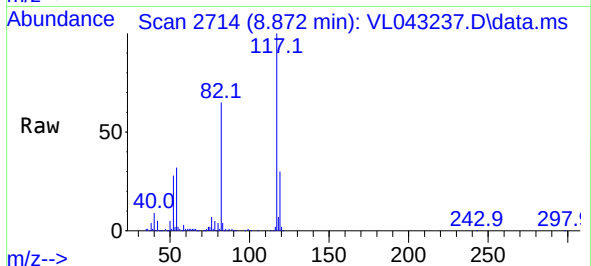
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1

Tgt Ion:117 Resp: 23114
Ion Ratio Lower Upper
117 100
82 65.5 56.1 84.1
119 32.0 25.0 37.6

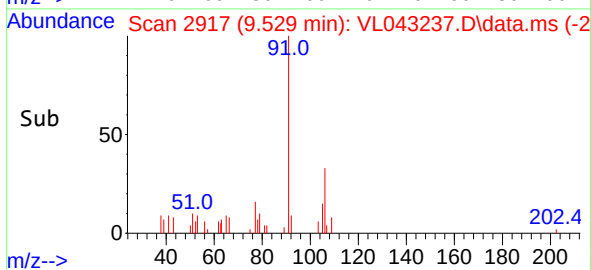
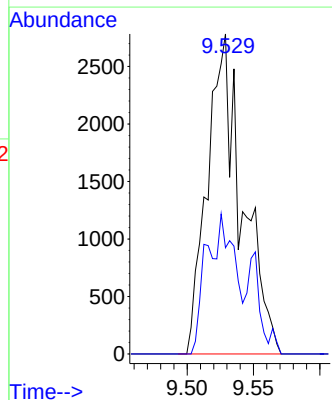
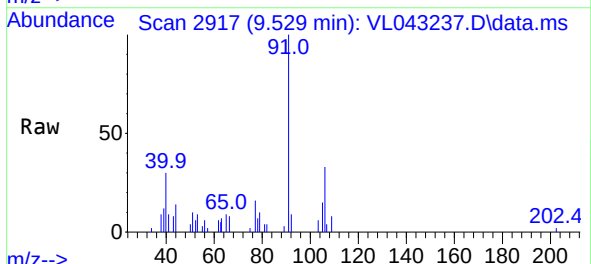
Manual Integrations
APPROVED

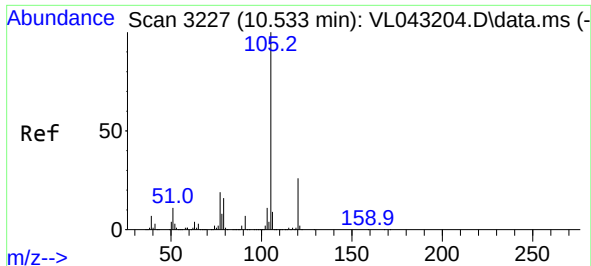
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#59
m/p-Xylene
Concen: 0.142 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.013 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Tgt Ion: 91 Resp: 5081
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





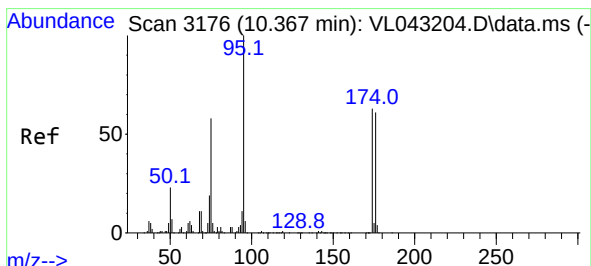
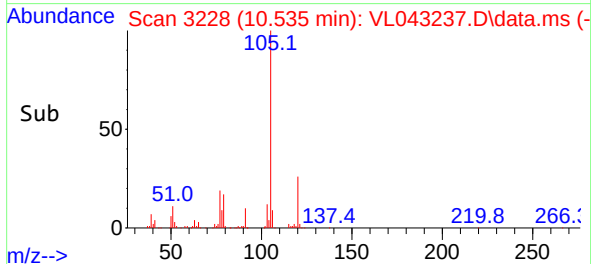
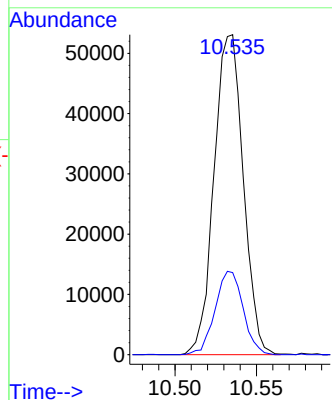
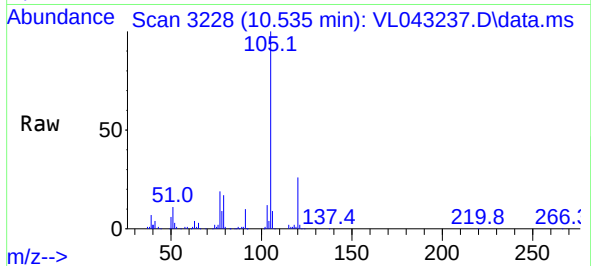
#62
Isopropylbenzene
Concen: 1.039 ppbv
RT: 10.535 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-1

Tgt Ion:105 Resp: 6623
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.874 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043237.D
Acq: 19 Nov 2025 13:50

Tgt Ion: 95 Resp: 167299
Ion Ratio Lower Upper
95 100
174 66.4 50.2 75.2
175 5.1 4.1 6.1

