

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043248.D
 Acq On : 19 Nov 2025 20:25
 Operator : SY/MD
 Sample : Q3626-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 9A-SG-1DL

Quant Time: Nov 20 00:10:16 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.784	49	101838	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	273802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	211877	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	156816	10.097	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1470	0.102	ppbv	99
4) Chloromethane	1.531	50	801	0.149	ppbv #	64
9) Propene	1.486	41	4449	0.742	ppbv #	1
10) Heptane	4.978	43	7567m	0.424	ppbv	
13) Ethanol	1.719	45	18211	8.634	ppbv	98
15) Acetone	1.832	43	93799	6.630	ppbv	98
19) Isopropyl Alcohol	1.884	45	10986	1.374	ppbv #	1
20) Methylene Chloride	2.059	84	3988	0.186	ppbv #	79
26) Hexane	2.823	57	11251	0.841	ppbv #	41
34) 2-Butanone	2.554	43	8284	0.429	ppbv	99
52) Tetrachloroethene	8.218	164	43592	4.469	ppbv	97
53) Toluene	6.917	91	3140	0.101	ppbv	94
61) Styrene	9.859	104	2733m	0.191	ppbv	

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

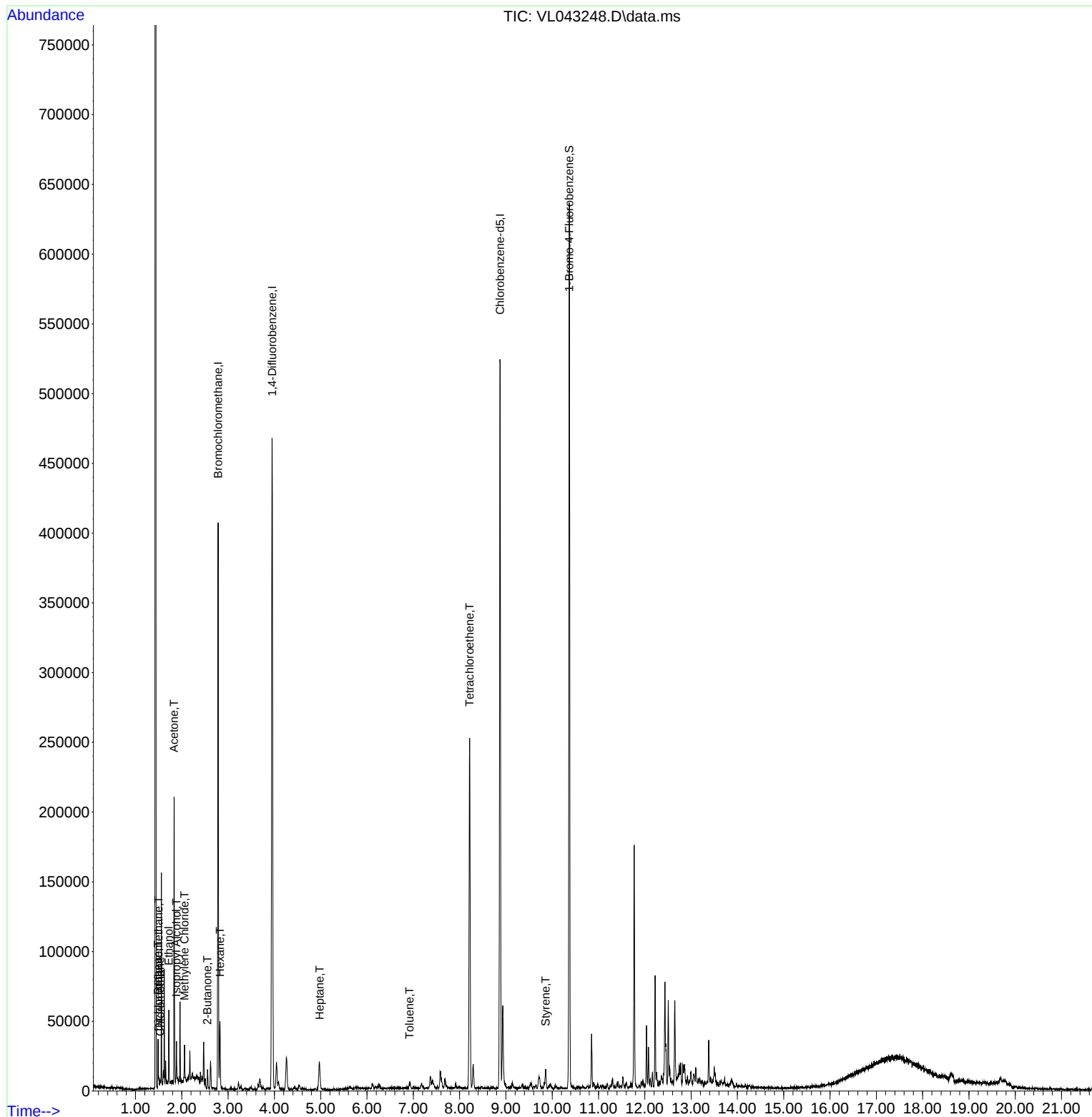
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
Data File : VL043248.D
Acq On : 19 Nov 2025 20:25
Operator : SY/MD
Sample : Q3626-01DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

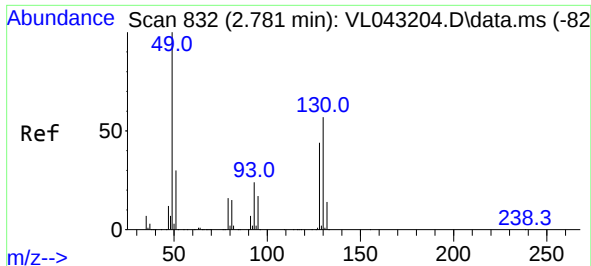
Instrument :
MSVOA_L
ClientSampleId :
9A-SG-1DL

Quant Time: Nov 20 00:10:16 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

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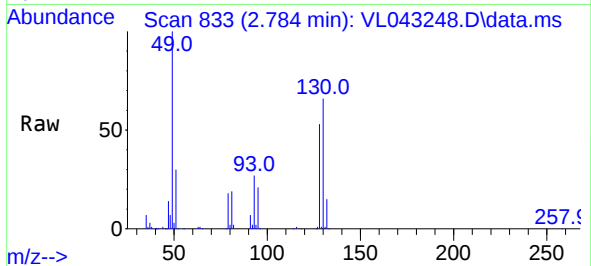
Reviewed By : Semsettin Yesilyurt 11/21/2025
Supervised By : Mahesh Dadoda 11/21/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25

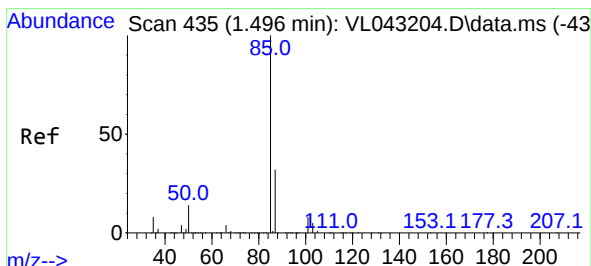
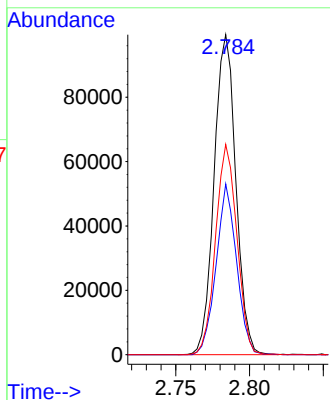
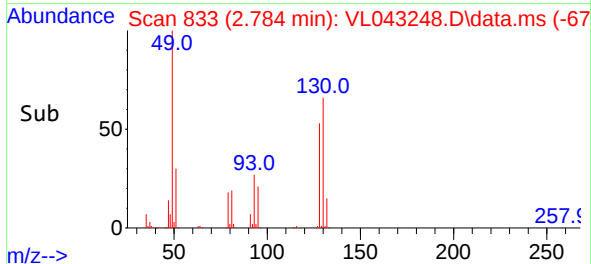
Instrument :
MSVOA_L
ClientSampleId :
9A-SG-1DL



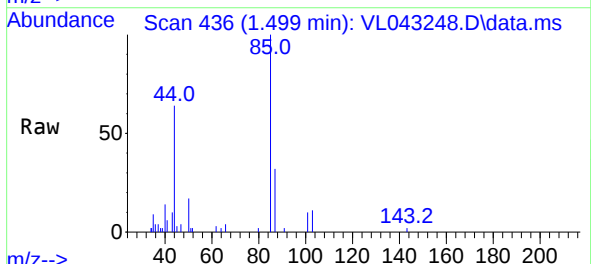
Tgt Ion: 49 Resp: 101838
Ion Ratio Lower Upper
49 100
128 50.2 23.0 69.0
130 64.6 29.9 89.7

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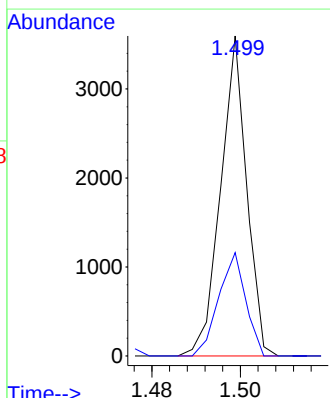
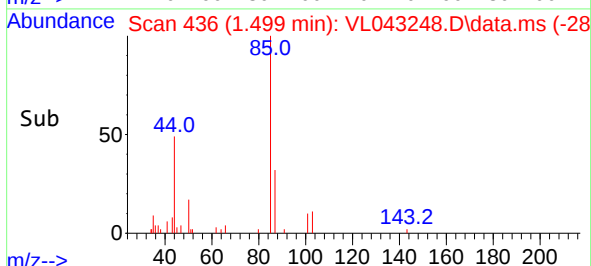
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

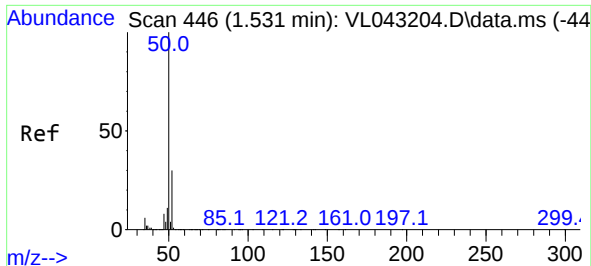


#2
Dichlorodifluoromethane
Concen: 0.102 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25



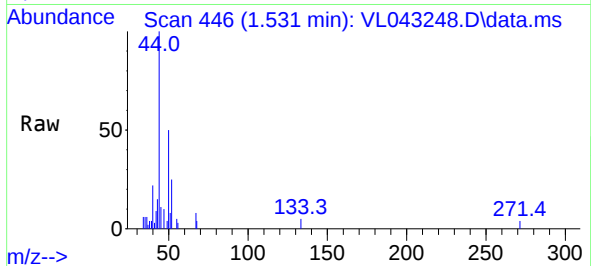
Tgt Ion: 85 Resp: 1470
Ion Ratio Lower Upper
85 100
87 32.3 25.4 38.2





#4
Chloromethane
Concen: 0.149 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25

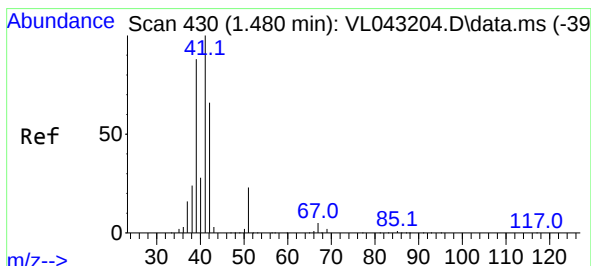
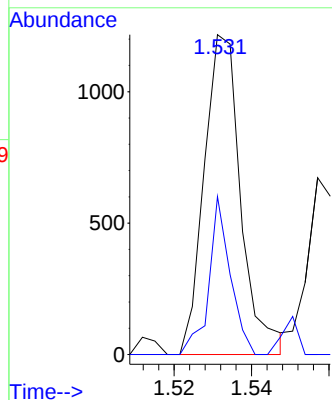
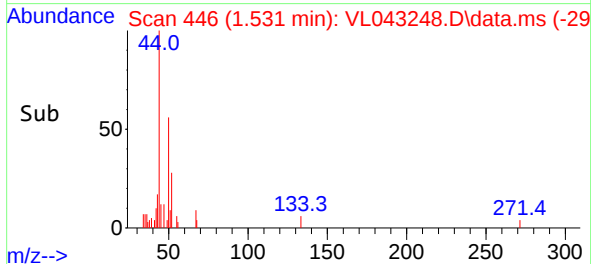
Instrument :
MSVOA_L
ClientSampleId :
9A-SG-1DL



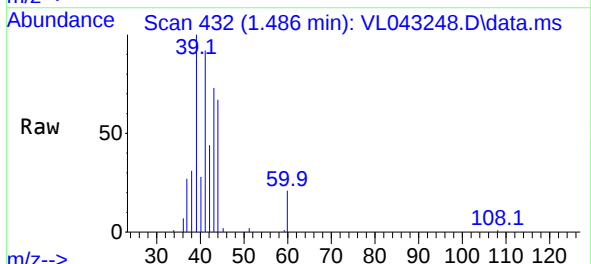
Tgt Ion: 50 Resp: 800
Ion Ratio Lower Upper
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52 49.4 24.1 36.1

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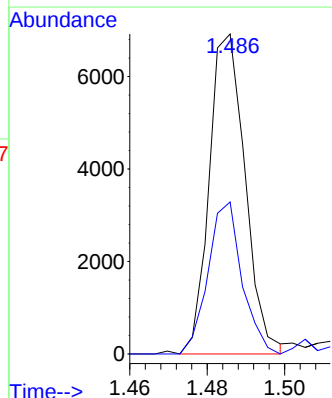
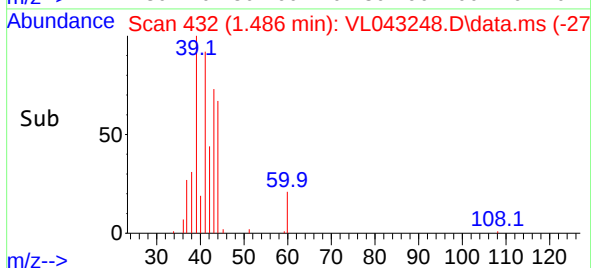
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

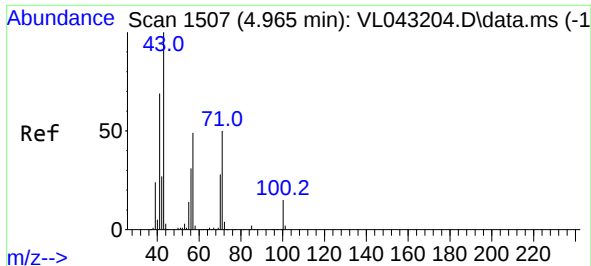


#9
Propene
Concen: 0.742 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.006 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25



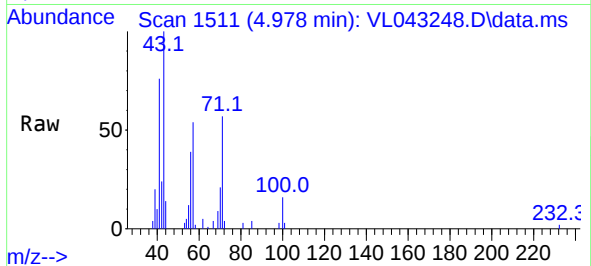
Tgt Ion: 41 Resp: 4449
Ion Ratio Lower Upper
41 100
42 48.2 3.7 5.5





#10
Heptane
Concen: 0.424 ppbv m
RT: 4.978 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25

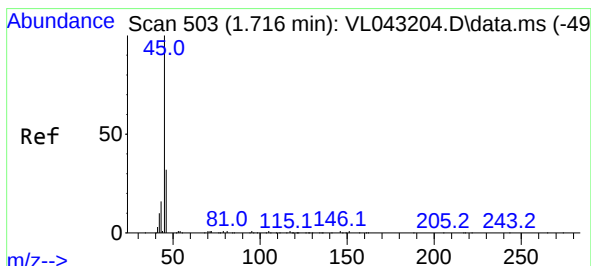
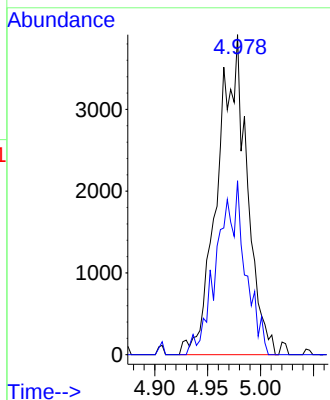
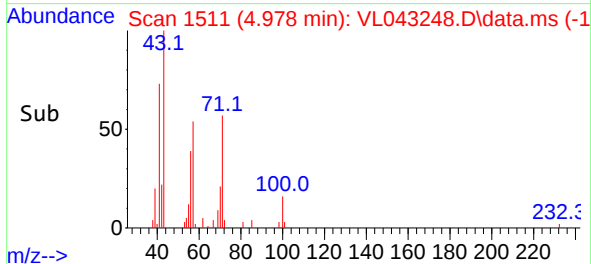
Instrument :
MSVOA_L
ClientSampleId :
9A-SG-1DL



Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
57 0.0 39.7 59.5

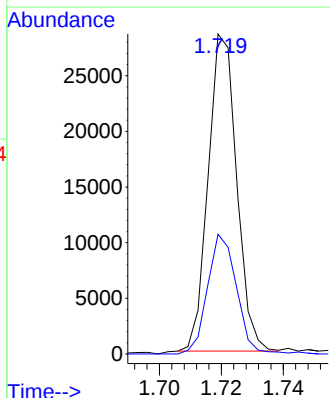
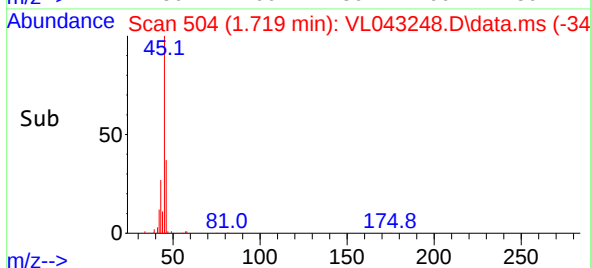
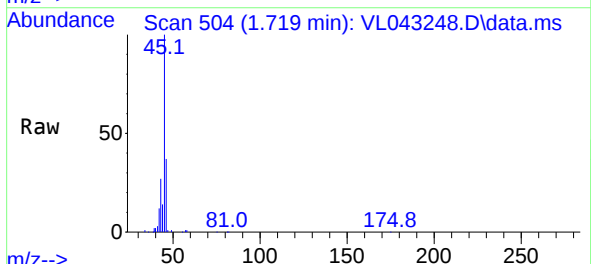
Manual Integrations
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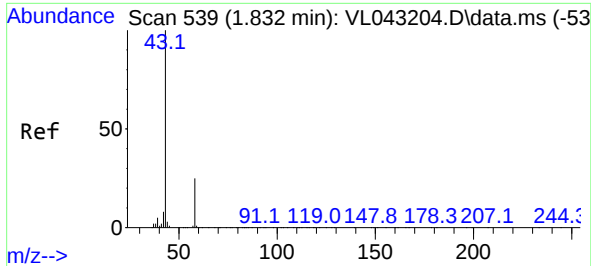
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#13
Ethanol
Concen: 8.634 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25

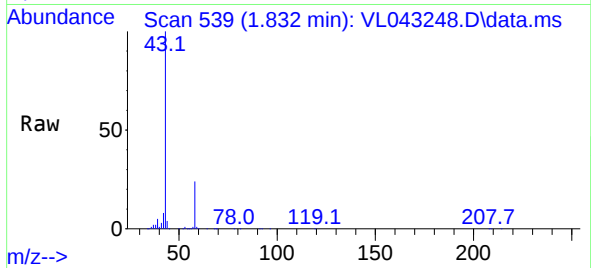
Tgt Ion: 45 Resp: 18211
Ion Ratio Lower Upper
45 100
46 38.5 15.0 59.8





#15
Acetone
Concen: 6.630 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25

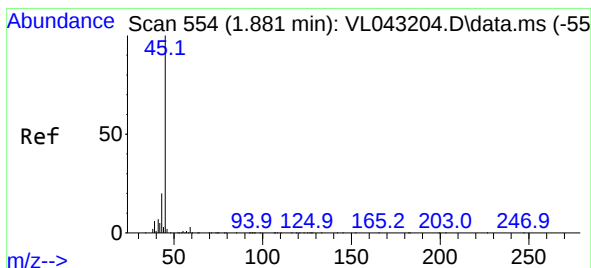
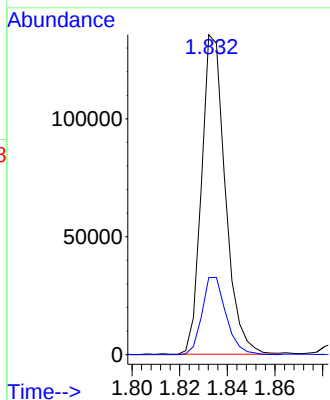
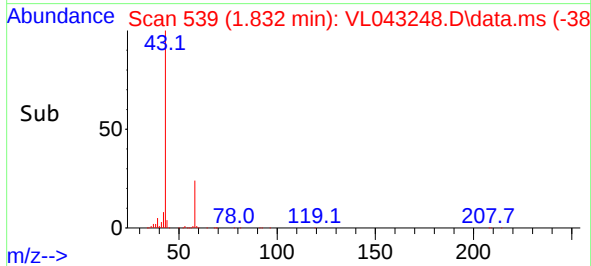
Instrument :
MSVOA_L
ClientSampleId :
9A-SG-1DL



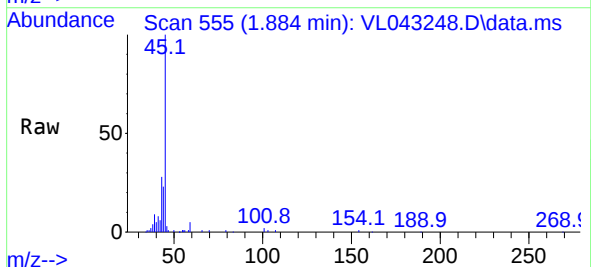
Tgt Ion: 43 Resp: 93799
Ion Ratio Lower Upper
43 100
58 25.0 20.7 31.1

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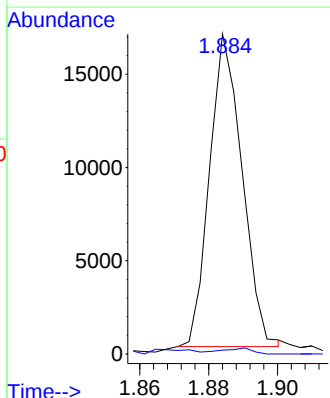
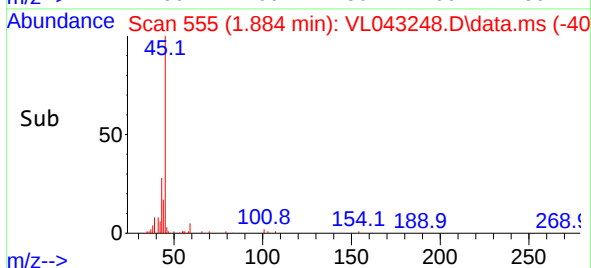
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

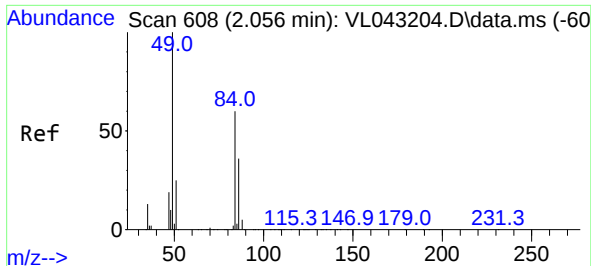


#19
Isopropyl Alcohol
Concen: 1.374 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25



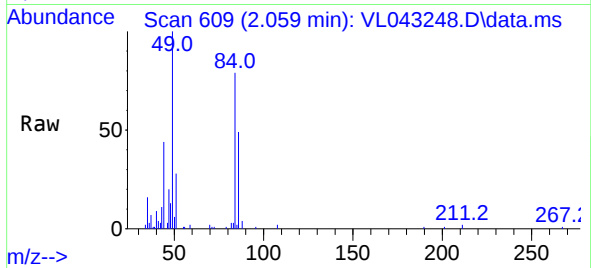
Tgt Ion: 45 Resp: 10986
Ion Ratio Lower Upper
45 100
58 213.6 31.3 46.9#





#20
Methylene Chloride
Concen: 0.186 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25

Instrument :
MSVOA_L
ClientSampleId :
9A-SG-1DL

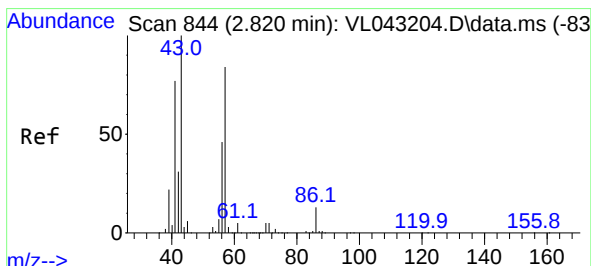
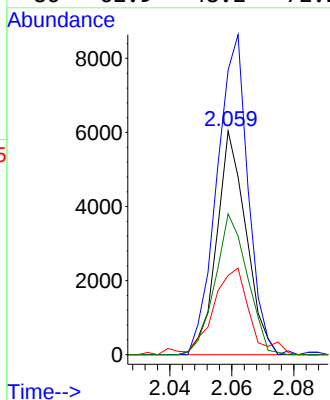
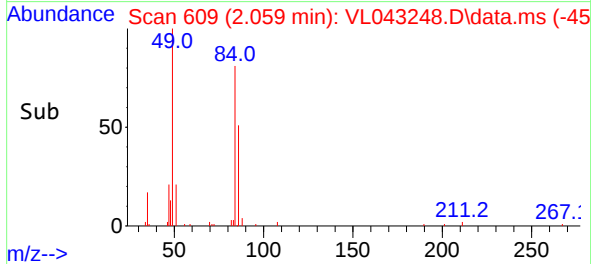


Tgt Ion: 84 Resp: 3988

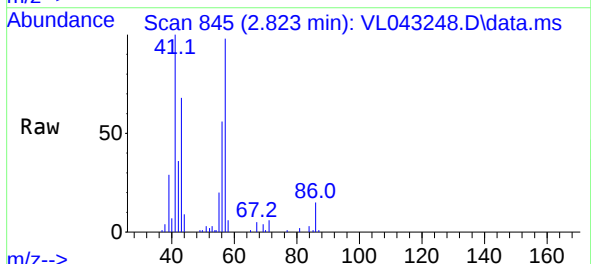
Ion	Ratio	Lower	Upper
84	100		
49	127.2	132.9	199.3
51	33.9	34.8	52.2
86	62.9	48.2	72.2

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Supervised By :Mahesh Dadoda 11/21/2025

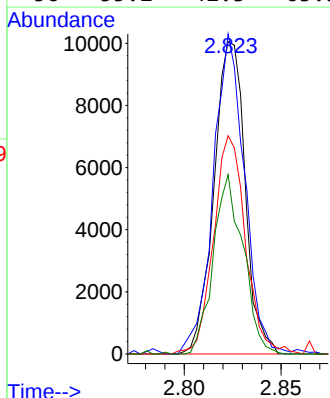
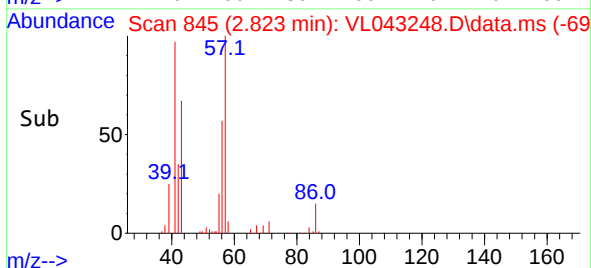


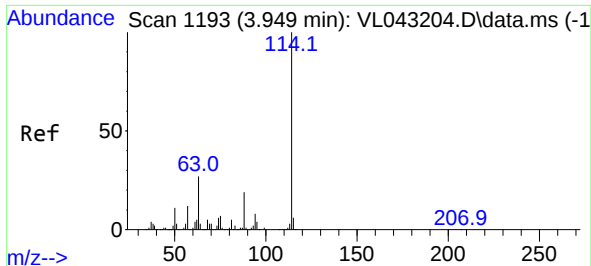
#26
Hexane
Concen: 0.841 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25



Tgt Ion: 57 Resp: 11251

Ion	Ratio	Lower	Upper
57	100		
41	103.8	74.6	111.8
43	72.7	179.0	268.4
56	55.2	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: VL043248.D

Acq: 19 Nov 2025 20:25

Instrument :

MSVOA_L

ClientSampleId :

9A-SG-1DL

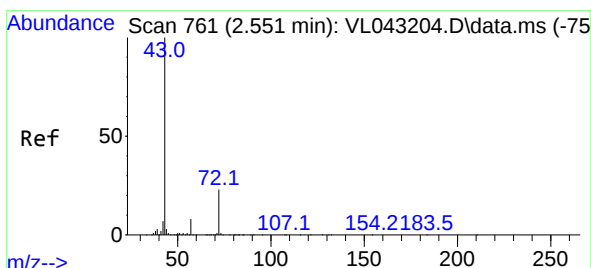
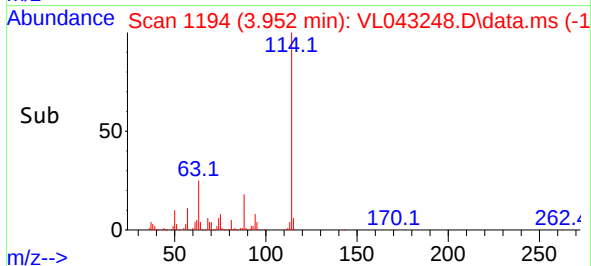
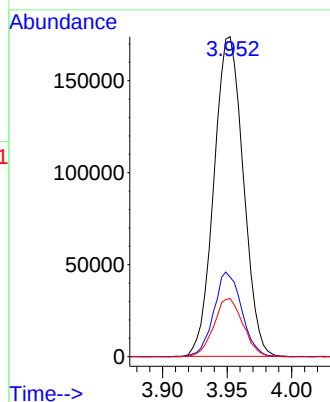
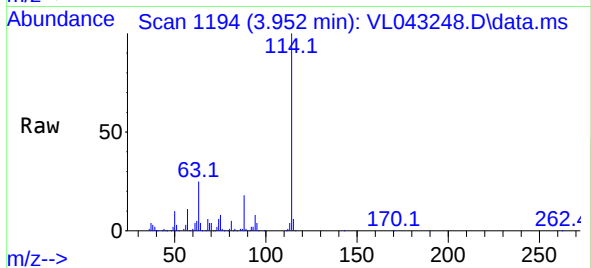
Tgt Ion:114 Resp: 27380

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.0	31.6
88	18.1	14.9	22.3

Manual Integrations

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#34

2-Butanone

Concen: 0.429 ppbv

RT: 2.554 min Scan# 762

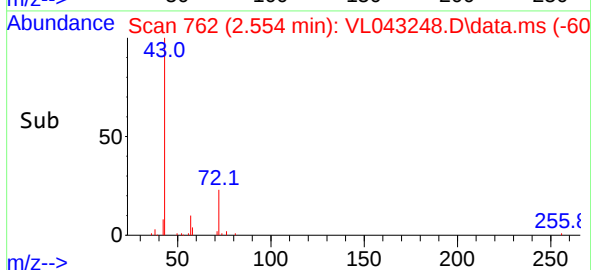
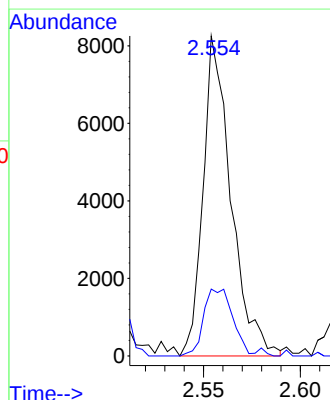
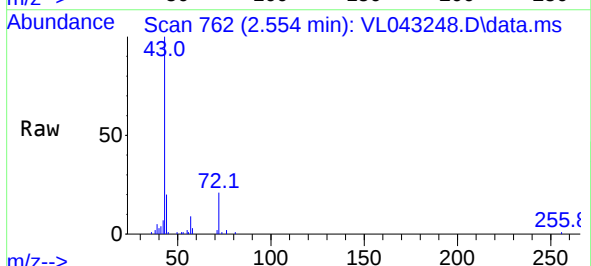
Delta R.T. 0.003 min

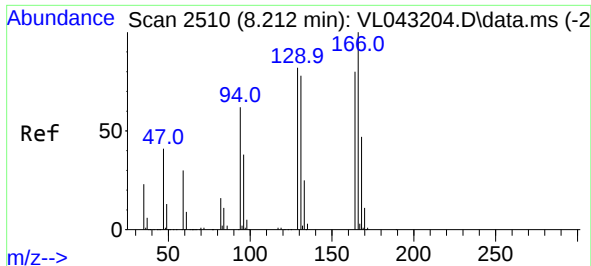
Lab File: VL043248.D

Acq: 19 Nov 2025 20:25

Tgt Ion: 43 Resp: 8284

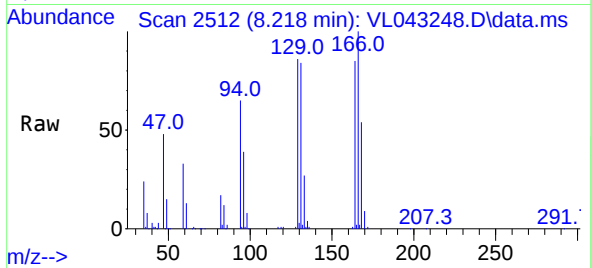
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.1	27.1





#52
Tetrachloroethene
Concen: 4.469 ppbv
RT: 8.218 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25

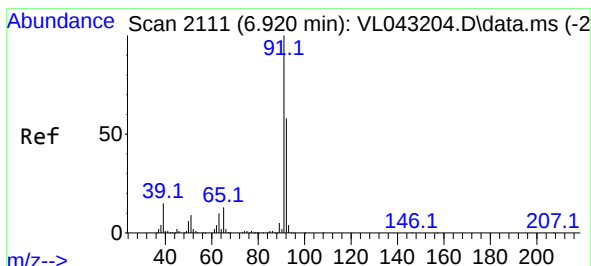
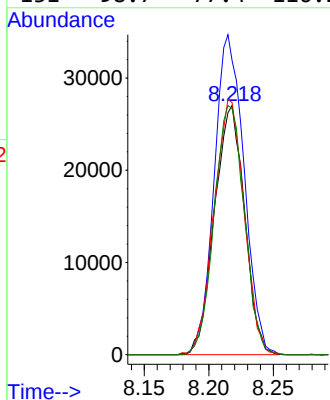
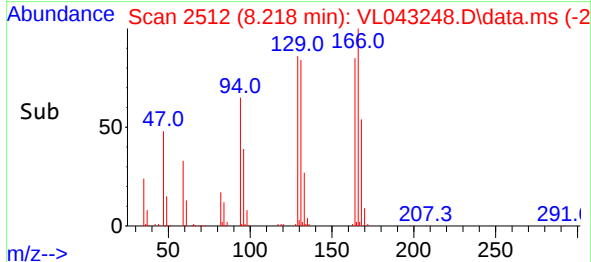
Instrument :
MSVOA_L
ClientSampleId :
9A-SG-1DL



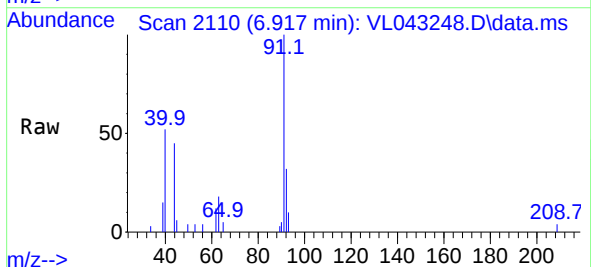
Tgt Ion:164 Resp: 43592
Ion Ratio Lower Upper
164 100
166 117.9 99.4 149.2
129 101.1 81.8 122.8
131 98.7 77.4 116.2

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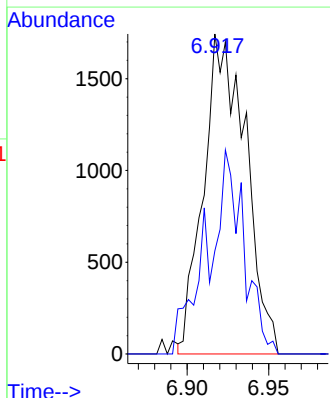
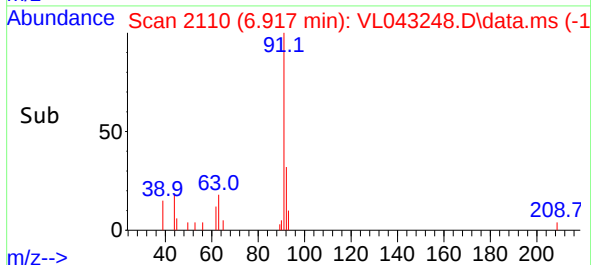
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

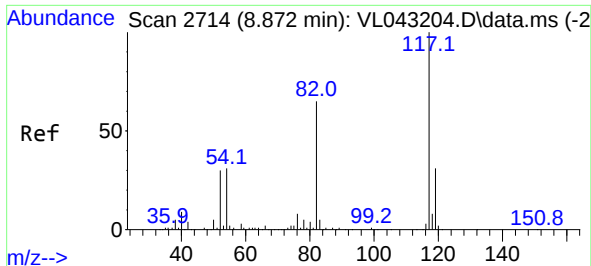


#53
Toluene
Concen: 0.101 ppbv
RT: 6.917 min Scan# 2110
Delta R.T. -0.003 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25



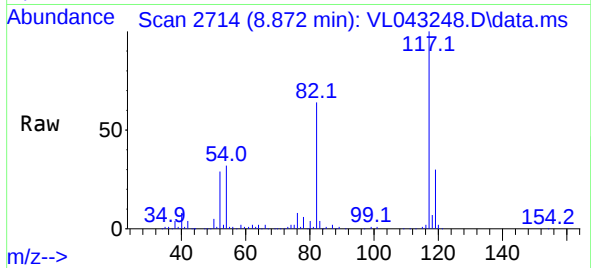
Tgt Ion: 91 Resp: 3140
Ion Ratio Lower Upper
91 100
92 54.8 47.4 71.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21187
Delta R.T. -0.000 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25

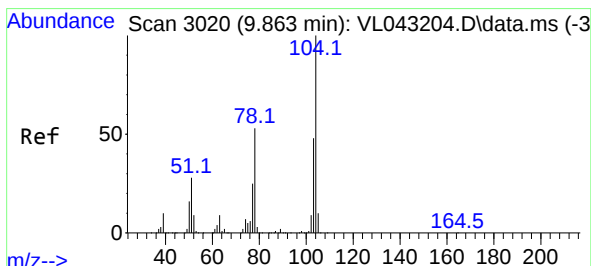
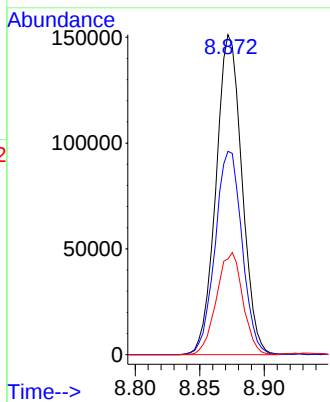
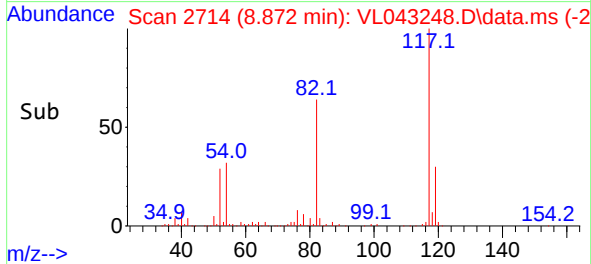
Instrument :
MSVOA_L
ClientSampleId :
9A-SG-1DL



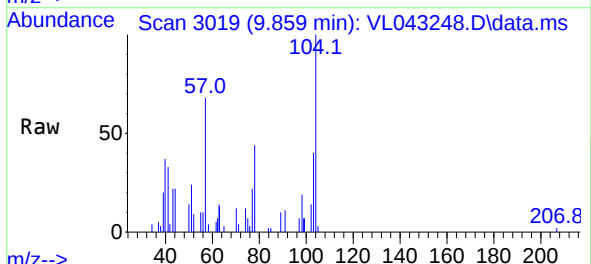
Tgt Ion:117 Resp: 21187
Ion Ratio Lower Upper
117 100
82 66.1 56.1 84.1
119 32.3 25.0 37.6

Manual Integrations
APPROVED

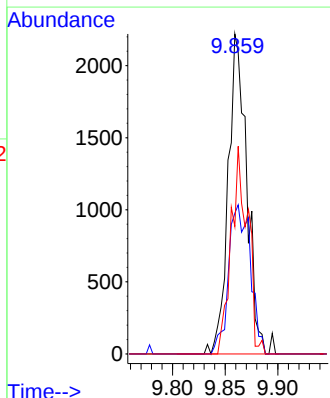
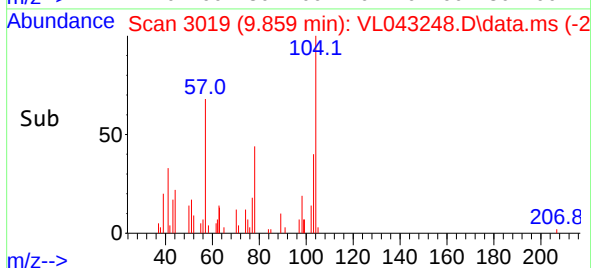
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

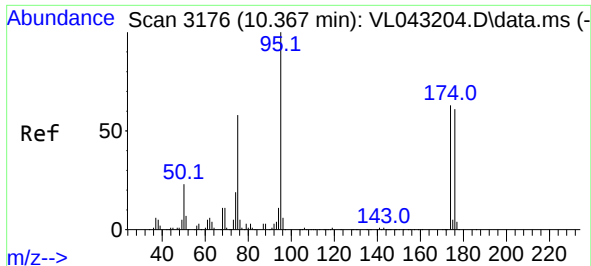


#61
Styrene
Concen: 0.191 ppbv m
RT: 9.859 min Scan# 3019
Delta R.T. -0.003 min
Lab File: VL043248.D
Acq: 19 Nov 2025 20:25



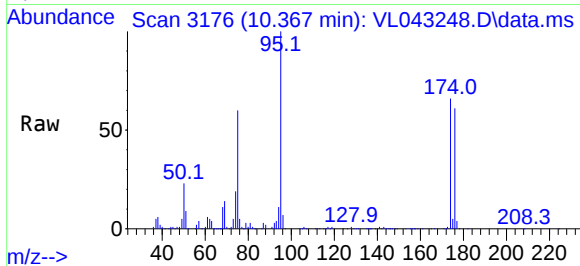
Tgt Ion:104 Resp: 2733
Ion Ratio Lower Upper
104 100
78 0.0 42.1 63.1#
103 0.0 37.2 55.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.097 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. -0.000 min
 Lab File: VL043248.D
 Acq: 19 Nov 2025 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 9A-SG-1DL



Tgt Ion: 95 Resp: 156810
 Ion Ratio Lower Upper
 95 100
 174 65.4 50.2 75.2
 175 4.4 4.1 6.1

Manual Integrations
 APPROVED

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

