

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043287.D
 Acq On : 24 Nov 2025 17:47
 Operator : SY/MD
 Sample : Q3696-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Nov 24 23:43:09 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 11/25/2025
 Supervised By : Mahesh Dadoda 11/25/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	110236	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	285613	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	215025	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	152555	9.679	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	3980	0.256	ppbv	91
9) Propene	1.483	41	6307	0.971	ppbv #	1
11) Trichlorofluoromethane	1.875	101	4396	0.292	ppbv	97
13) Ethanol	1.719	45	13758	6.026	ppbv	93
15) Acetone	1.833	43	202668	13.233	ppbv	100
20) Methylene Chloride	2.062	84	4492	0.228	ppbv	84
26) Hexane	2.820	57	2082	0.144	ppbv #	49
27) Carbon Disulfide	2.147	76	3842	0.260	ppbv #	1
32) 1,1,1-Trichloroethane	3.367	97	1383m	0.063	ppbv	
34) 2-Butanone	2.554	43	7585	0.376	ppbv	98
38) Trichloroethene	4.538	130	629m	0.059	ppbv	
52) Tetrachloroethene	8.212	164	7855	0.772	ppbv	97
53) Toluene	6.917	91	7723m	0.238	ppbv	
59) m/p-Xylene	9.520	91	6508m	0.196	ppbv	
74) 1,2,4-Trimethylbenzene	11.526	105	5710	0.154	ppbv #	51

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

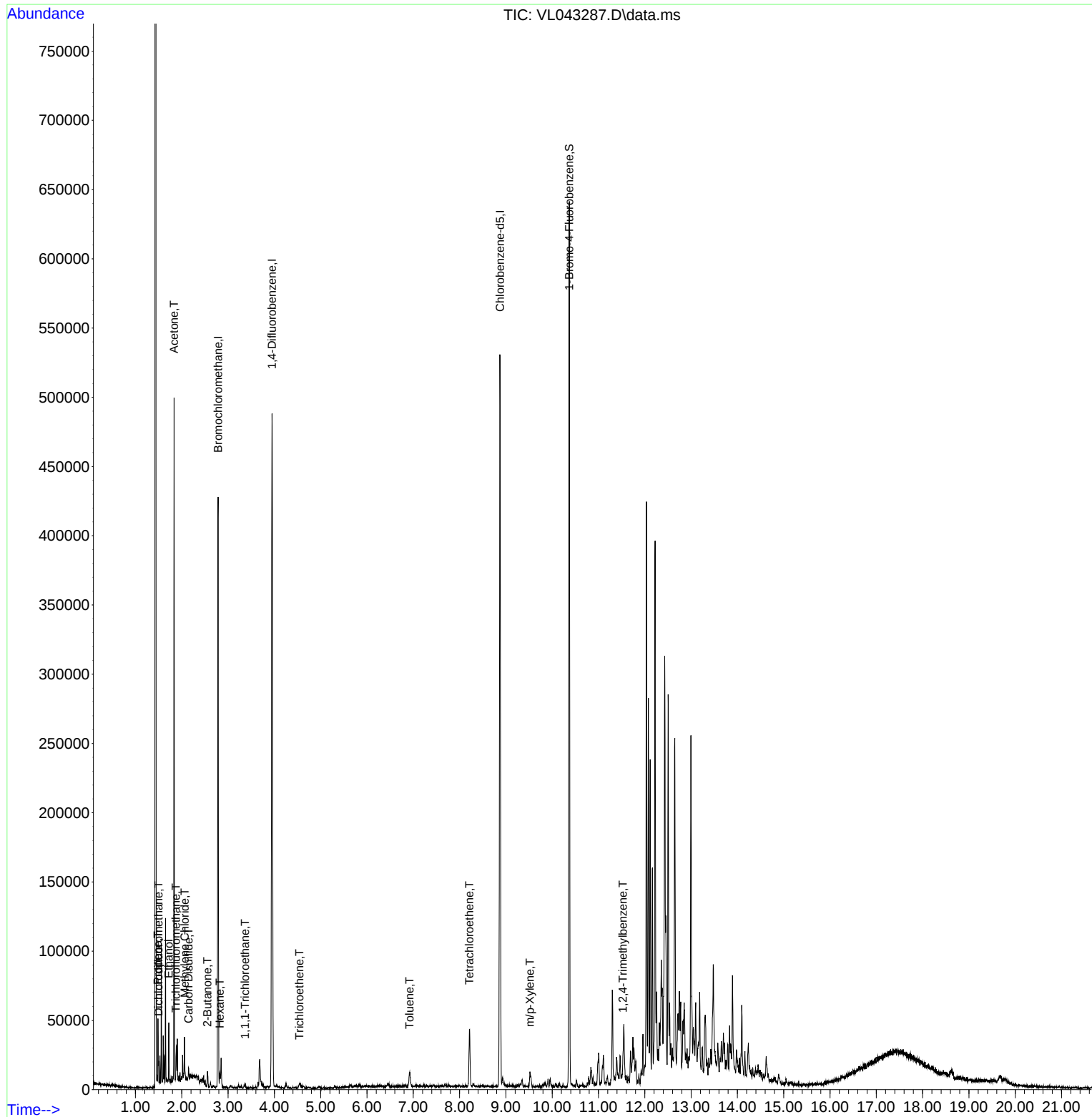
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043287.D
Acq On : 24 Nov 2025 17:47
Operator : SY/MD
Sample : Q3696-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

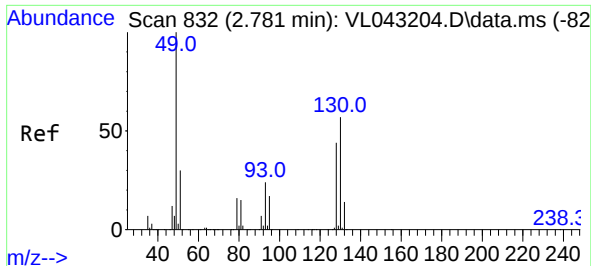
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Nov 24 23:43:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.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 11/25/2025
Supervised By : Mahesh Dadoda 11/25/2025





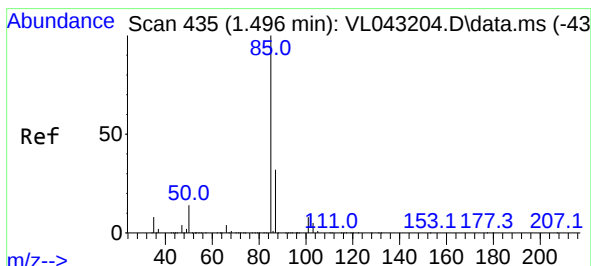
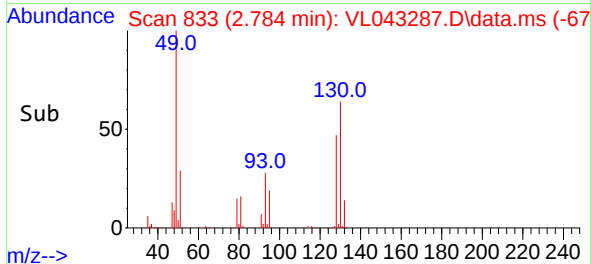
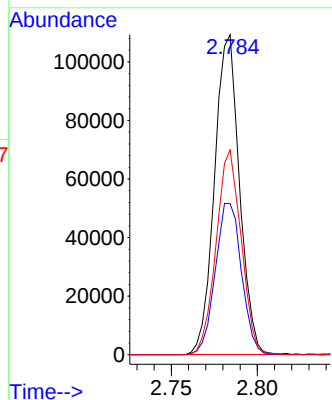
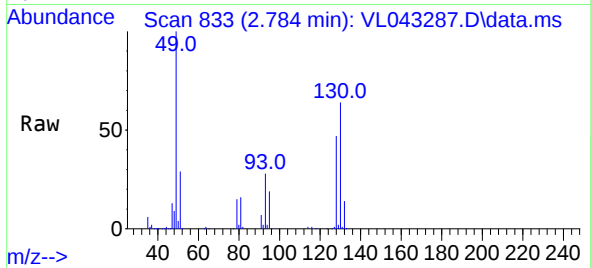
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 110230
Ion Ratio Lower Upper
49 100
128 49.8 23.0 69.0
130 64.1 29.9 89.7

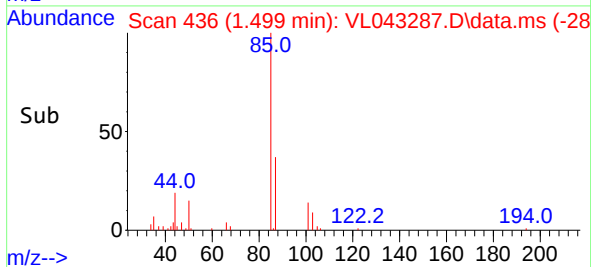
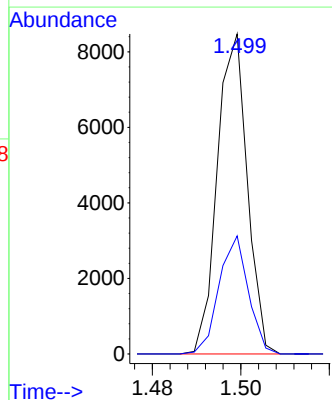
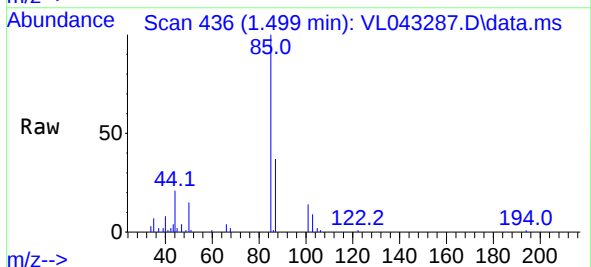
Manual Integrations
APPROVED

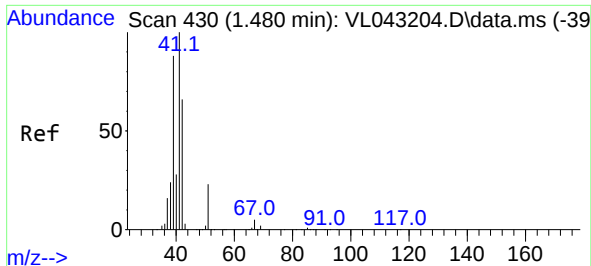
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#2
Dichlorodifluoromethane
Concen: 0.256 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Tgt Ion: 85 Resp: 3980
Ion Ratio Lower Upper
85 100
87 36.9 25.4 38.2





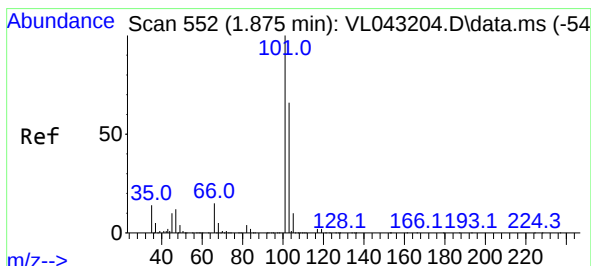
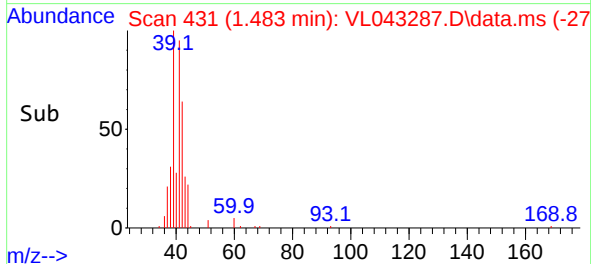
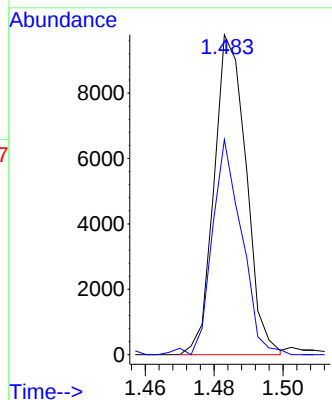
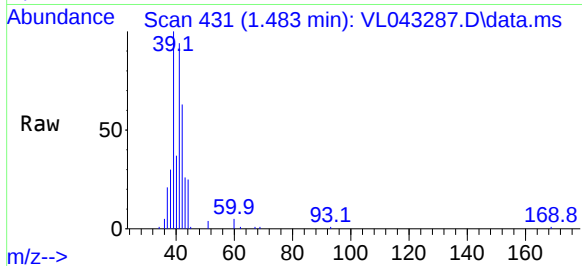
#9
Propene
Concen: 0.971 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 41 Resp: 630
Ion Ratio Lower Upper
41 100
42 61.9 3.7 5.5

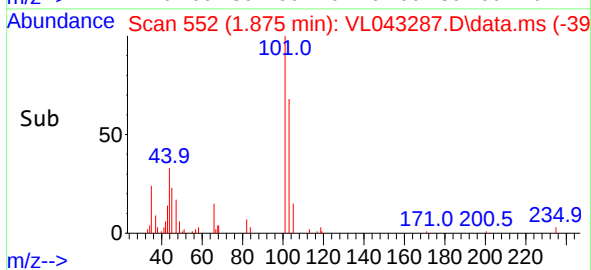
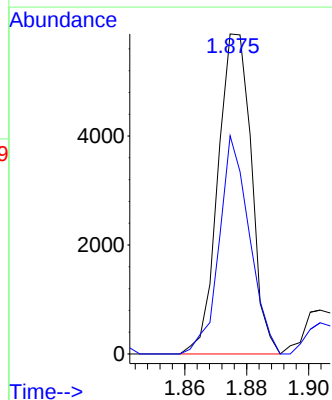
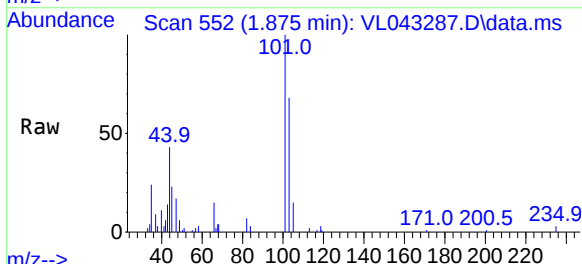
Manual Integrations
APPROVED

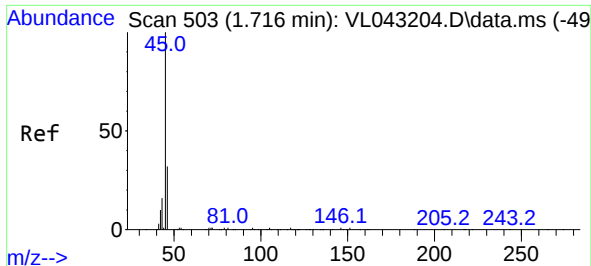
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#11
Trichlorofluoromethane
Concen: 0.292 ppbv
RT: 1.875 min Scan# 552
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

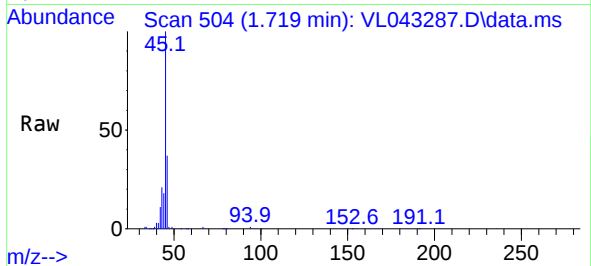
Tgt Ion:101 Resp: 4396
Ion Ratio Lower Upper
101 100
103 68.2 52.6 79.0





#13
Ethanol
Concen: 6.026 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

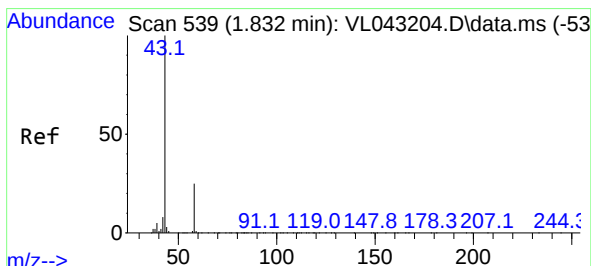
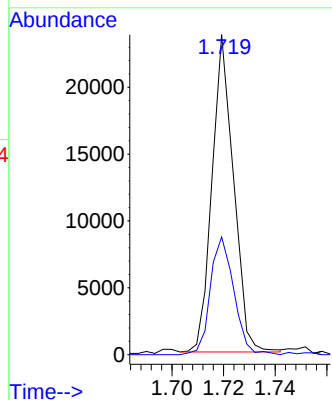
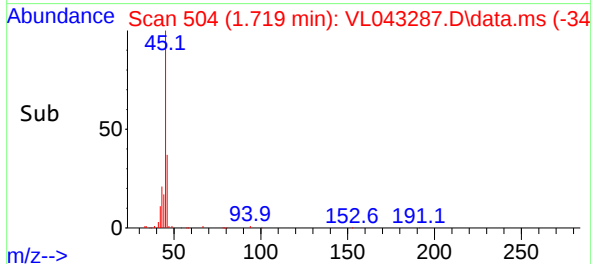
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 45 Resp: 13758
Ion Ratio Lower Upper
45 100
46 41.3 15.0 59.8

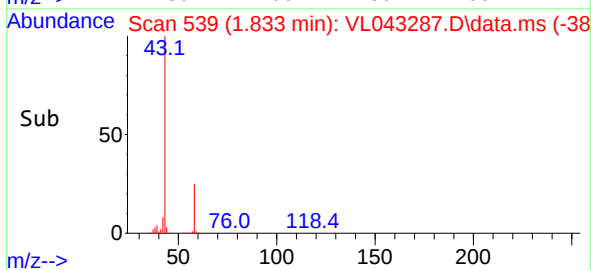
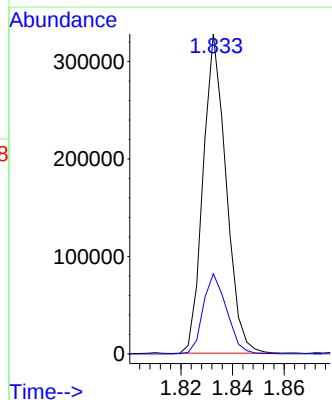
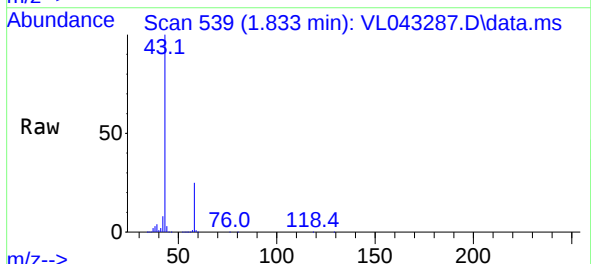
Manual Integrations
APPROVED

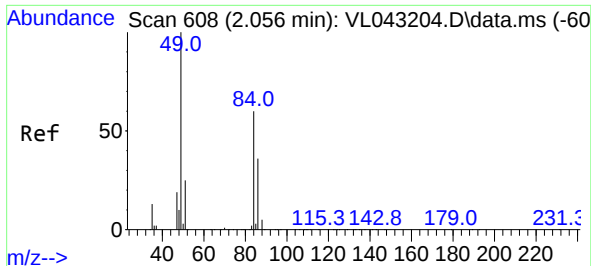
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#15
Acetone
Concen: 13.233 ppbv
RT: 1.833 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

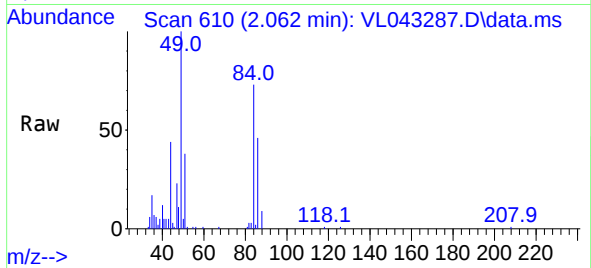
Tgt Ion: 43 Resp: 202668
Ion Ratio Lower Upper
43 100
58 25.9 20.7 31.1





#20
Methylene Chloride
Concen: 0.228 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

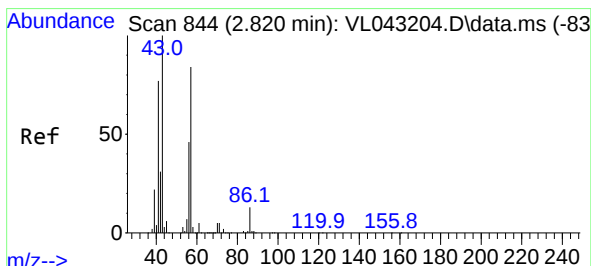
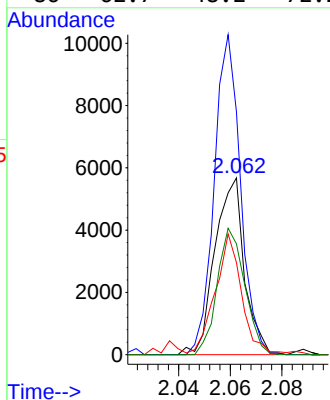
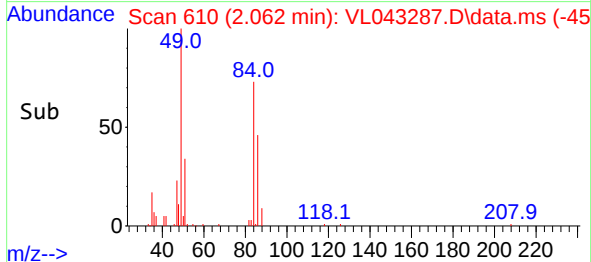
Instrument :
MSVOA_L
ClientSampleId :
SV2



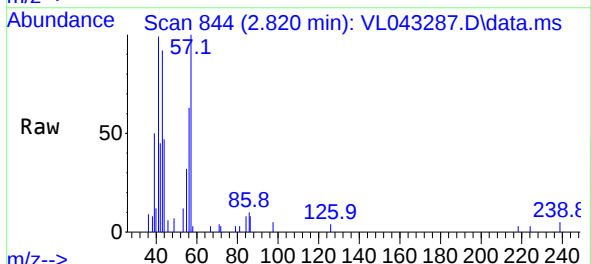
Tgt Ion: 84 Resp: 4492
Ion Ratio Lower Upper
84 100
49 137.4 132.9 199.3
51 50.5 34.8 52.2
86 62.7 48.2 72.2

Manual Integrations
APPROVED

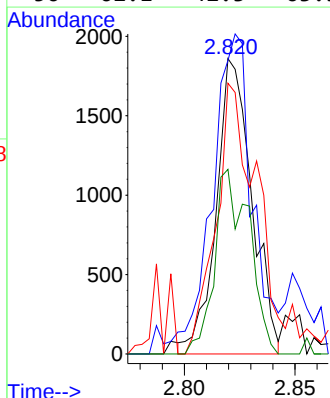
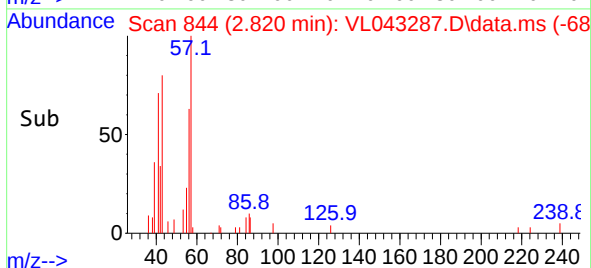
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

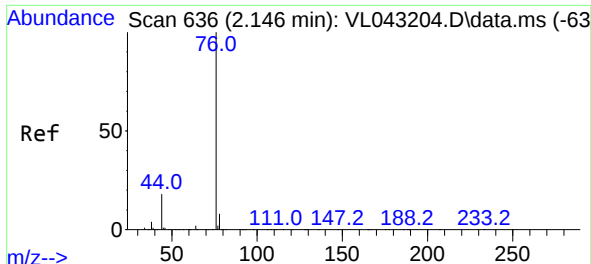


#26
Hexane
Concen: 0.144 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47



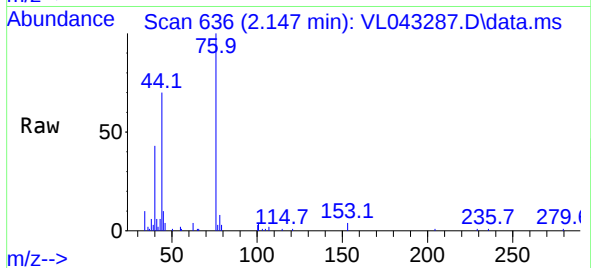
Tgt Ion: 57 Resp: 2082
Ion Ratio Lower Upper
57 100
41 145.3 74.6 111.8#
43 128.0 179.0 268.4#
56 62.1 42.3 63.5





#27
Carbon Disulfide
Concen: 0.260 ppbv
RT: 2.147 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

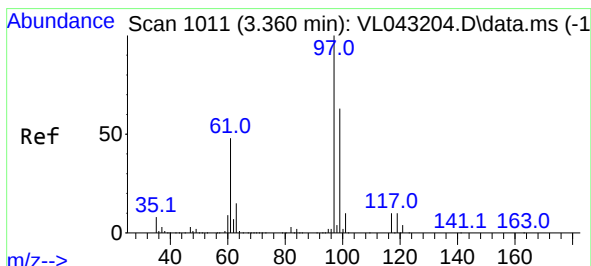
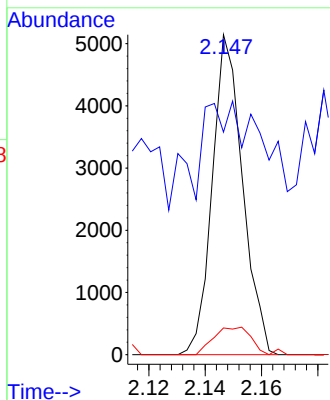
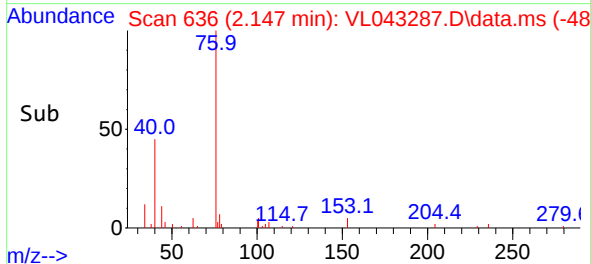
Instrument :
MSVOA_L
ClientSampleId :
SV2



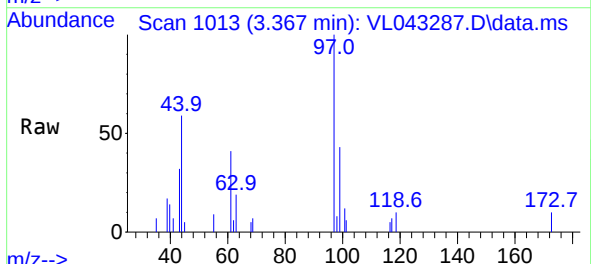
Tgt Ion: 76 Resp: 384
Ion Ratio Lower Upper
76 100
44 127.3 16.1 24.1
78 11.0 9.6 14.4

Manual Integrations
APPROVED

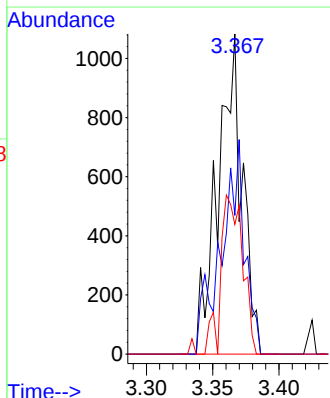
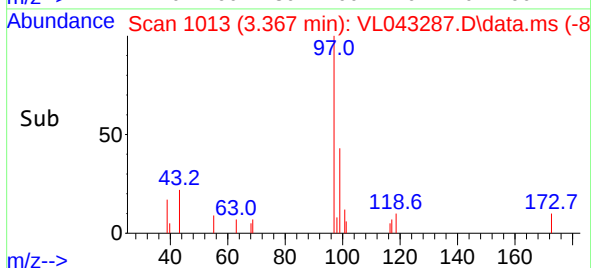
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

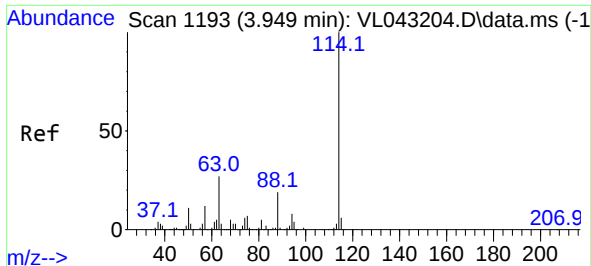


#32
1,1,1-Trichloroethane
Concen: 0.063 ppbv m
RT: 3.367 min Scan# 1013
Delta R.T. 0.007 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47



Tgt Ion: 97 Resp: 1383
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 0.0 38.9 58.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VL043287.D

Acq: 24 Nov 2025 17:47

Instrument :

MSVOA_L

ClientSampleId :

SV2

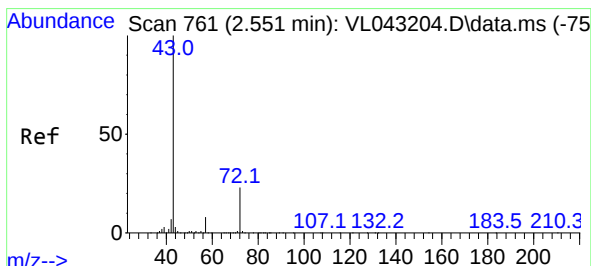
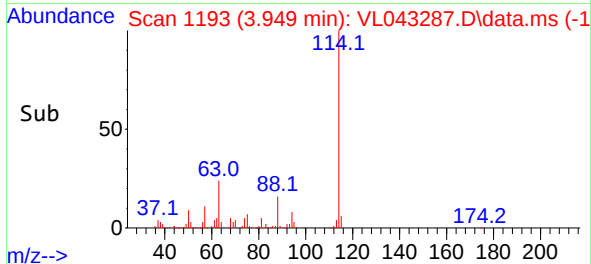
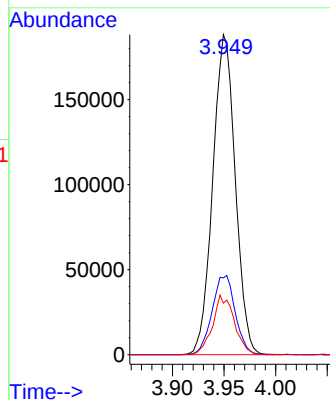
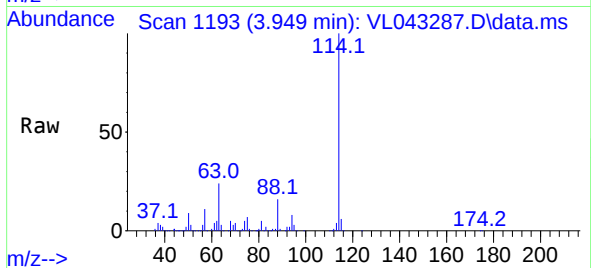
Tgt Ion:114 Resp: 28561

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 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#34

2-Butanone

Concen: 0.376 ppbv

RT: 2.554 min Scan# 762

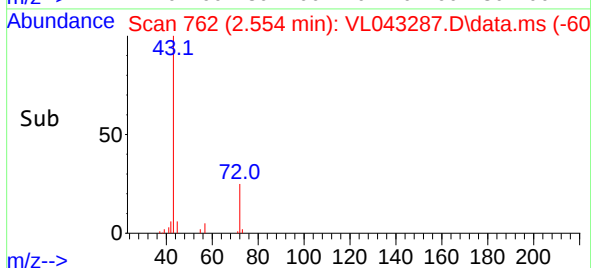
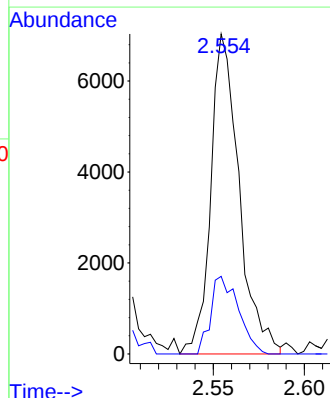
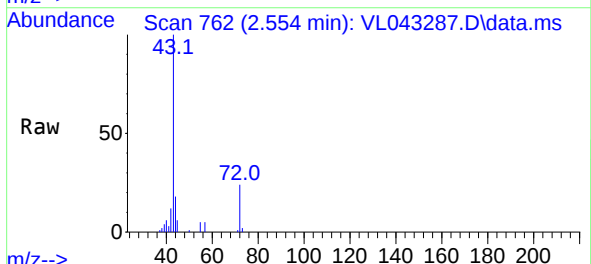
Delta R.T. 0.003 min

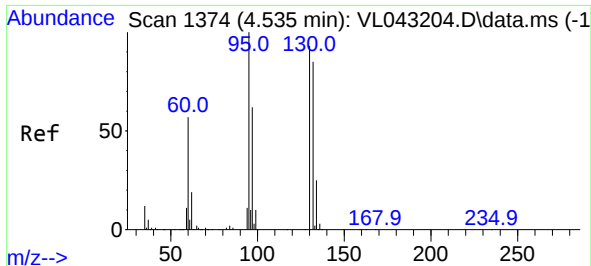
Lab File: VL043287.D

Acq: 24 Nov 2025 17:47

Tgt Ion: 43 Resp: 7585

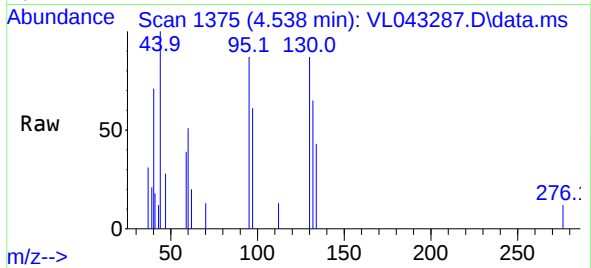
Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.1	27.1





#38
 Trichloroethene
 Concen: 0.059 ppbv m
 RT: 4.538 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VL043287.D
 Acq: 24 Nov 2025 17:47

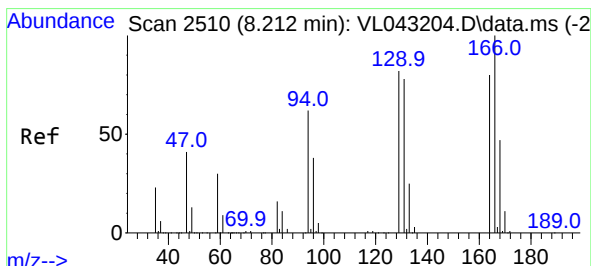
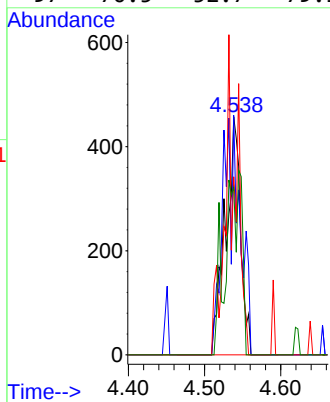
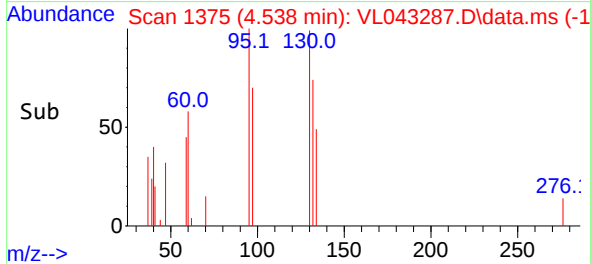
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



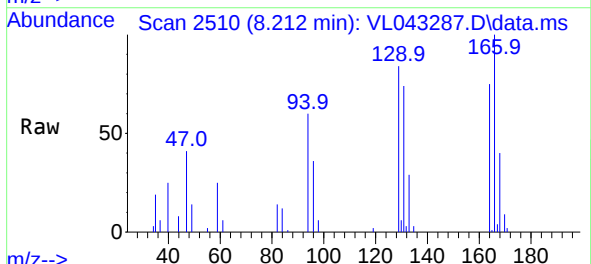
Tgt Ion:130 Resp: 629
 Ion Ratio Lower Upper
 130 100
 95 100.7 85.7 128.5
 132 74.8 73.4 110.0
 97 70.5 52.7 79.1

Manual Integrations
 APPROVED

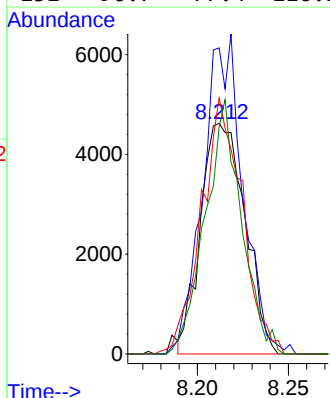
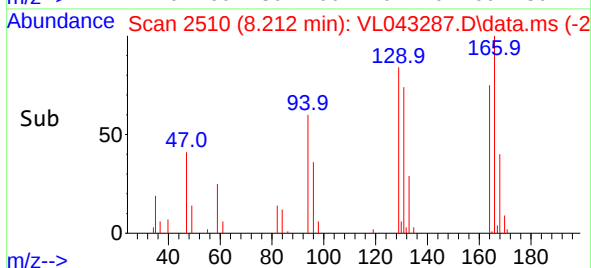
Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

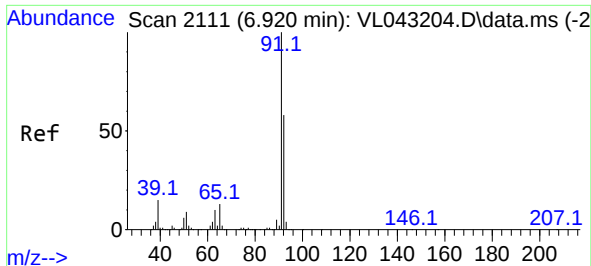


#52
 Tetrachloroethene
 Concen: 0.772 ppbv
 RT: 8.212 min Scan# 2510
 Delta R.T. 0.000 min
 Lab File: VL043287.D
 Acq: 24 Nov 2025 17:47



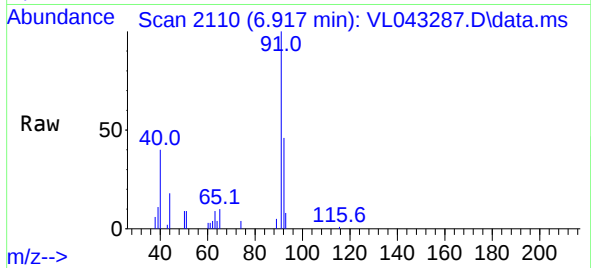
Tgt Ion:164 Resp: 7855
 Ion Ratio Lower Upper
 164 100
 166 129.0 99.4 149.2
 129 105.1 81.8 122.8
 131 96.7 77.4 116.2





#53
Toluene
Concen: 0.238 ppbv m
RT: 6.917 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

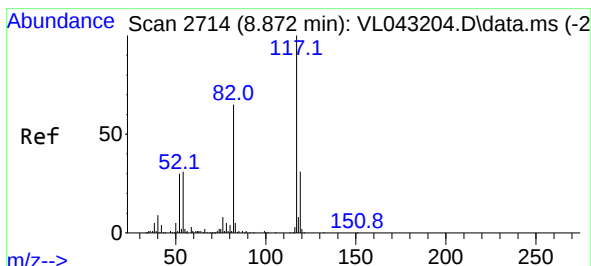
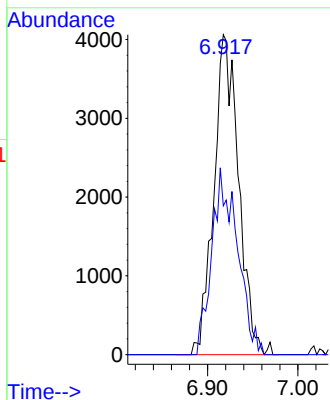
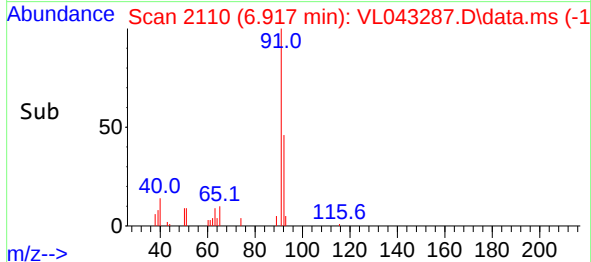
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 772
Ion Ratio Lower Upper
91 100
92 60.1 47.4 71.0

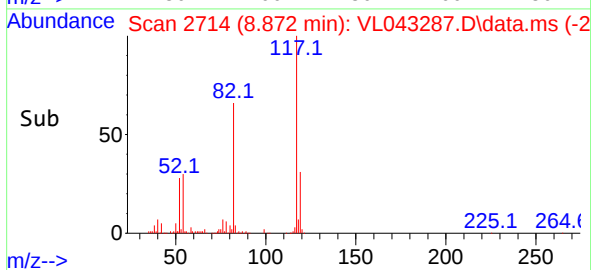
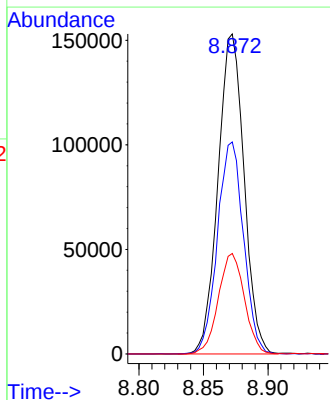
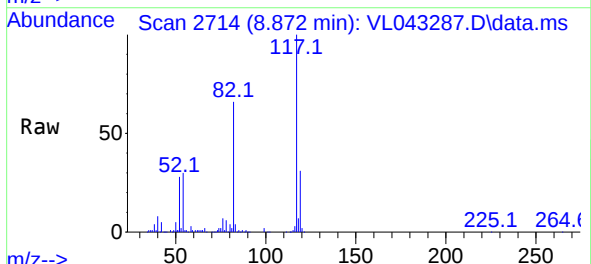
Manual Integrations
APPROVED

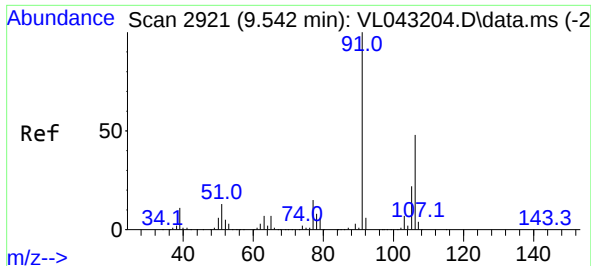
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Tgt Ion:117 Resp: 215025
Ion Ratio Lower Upper
117 100
82 66.3 56.1 84.1
119 31.5 25.0 37.6





#59

m/p-Xylene

Concen: 0.196 ppbv m

RT: 9.520 min Scan# 2921

Delta R.T. -0.023 min

Lab File: VL043287.D

Acq: 24 Nov 2025 17:47

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 91 Resp: 6508

Ion Ratio Lower Upper

91 100

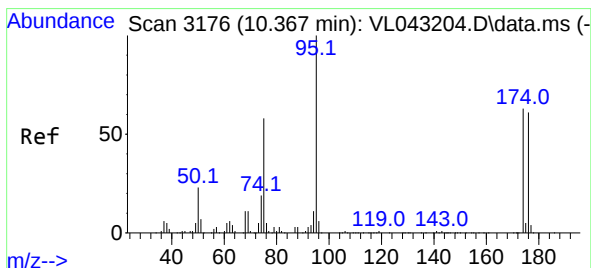
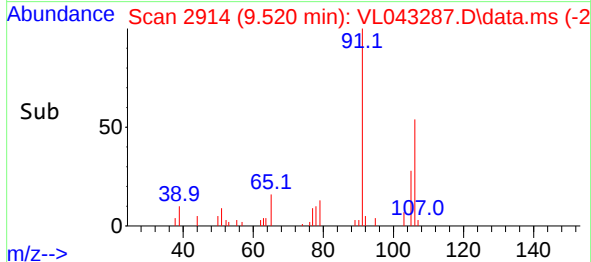
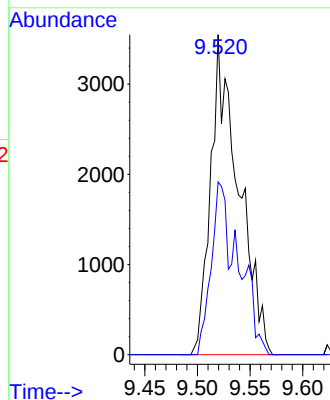
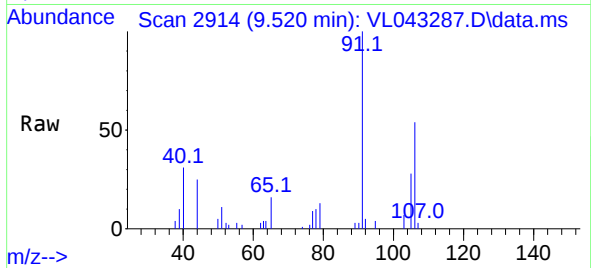
106 0.0 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025

Supervised By :Mahesh Dadoda 11/25/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.679 ppbv

RT: 10.368 min Scan# 3176

Delta R.T. 0.000 min

Lab File: VL043287.D

Acq: 24 Nov 2025 17:47

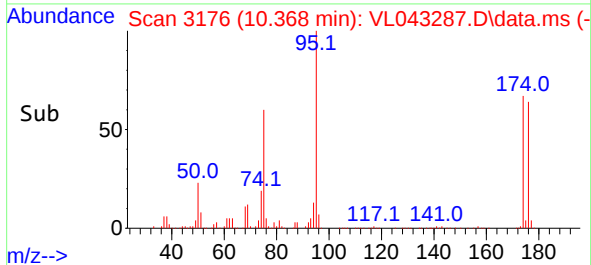
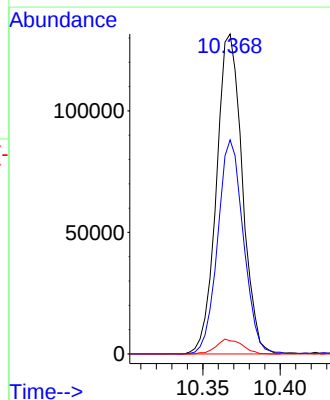
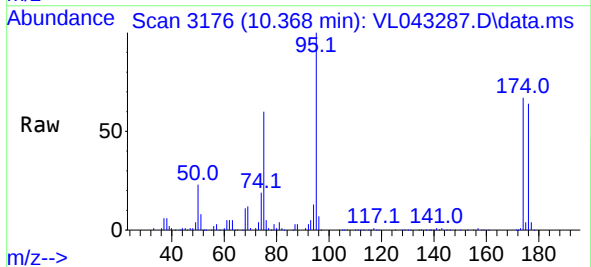
Tgt Ion: 95 Resp: 152555

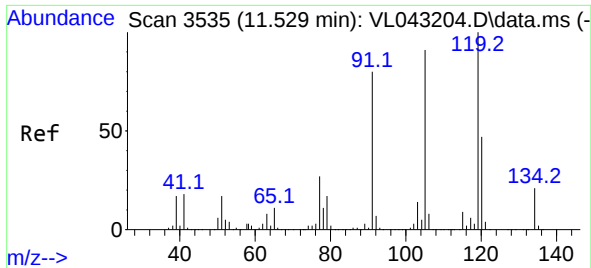
Ion Ratio Lower Upper

95 100

174 67.1 50.2 75.2

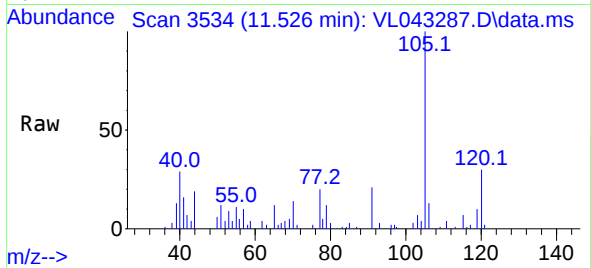
175 4.6 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.154 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:105 Resp: 5710
Ion Ratio Lower Upper
105 100
120 31.8 41.7 62.5
91 20.7 70.0 105.0
77 19.8 23.8 35.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

