

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043285.D
 Acq On : 24 Nov 2025 16:43
 Operator : SY/MD
 Sample : Q3696-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Nov 24 23:42:22 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

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

Internal Standards						
1) Bromochloromethane	2.780	49	106827	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	272263	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	212048	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	150154	9.660	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	7424	0.493	ppbv	98
3) Chlorodifluoromethane	1.473	51	4805m	0.324	ppbv	
4) Chloromethane	1.531	50	2906	0.516	ppbv	90
9) Propene	1.486	41	5289	0.841	ppbv #	1
11) Trichlorofluoromethane	1.874	101	3779	0.259	ppbv	87
13) Ethanol	1.719	45	19354	8.747	ppbv	98
15) Acetone	1.832	43	65952	4.444	ppbv	95
19) Isopropyl Alcohol	1.884	45	25817	3.078	ppbv #	66
20) Methylene Chloride	2.059	84	17762	3.556	ppbv	97
26) Hexane	2.819	57	18805	1.340	ppbv #	41
34) 2-Butanone	2.554	43	5733	0.298	ppbv	93
35) Carbon Tetrachloride	3.755	117	1807	0.087	ppbv	97
36) Benzene	3.648	78	5808	0.223	ppbv #	91
44) 2,2,4-Trimethylpentane	4.629	57	8356m	0.187	ppbv	
52) Tetrachloroethene	8.199	164	658m	0.068	ppbv	
53) Toluene	6.914	91	8340m	0.270	ppbv	
59) m/p-Xylene	9.513	91	4019m	0.123	ppbv	

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

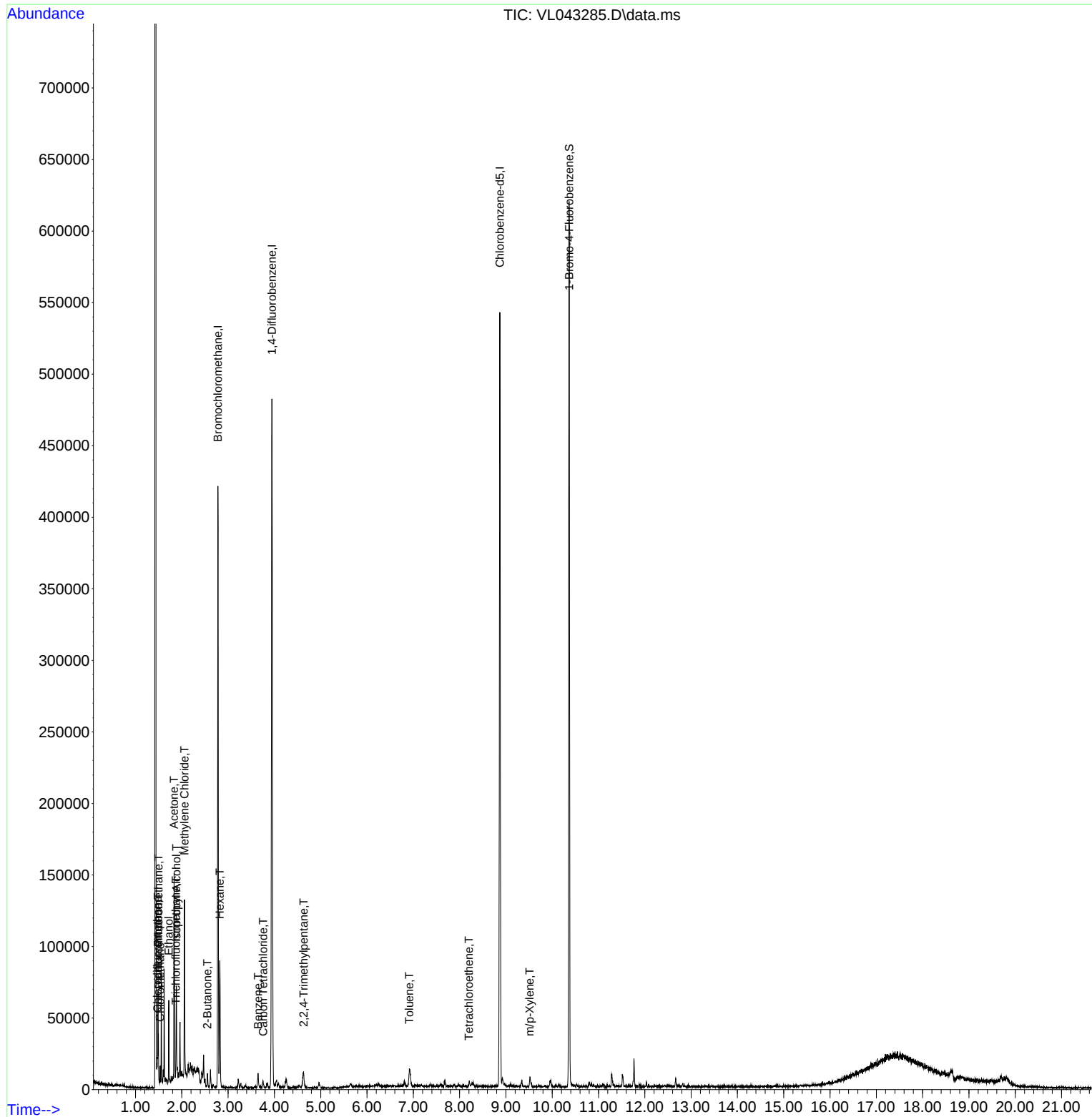
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043285.D
Acq On : 24 Nov 2025 16:43
Operator : SY/MD
Sample : Q3696-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

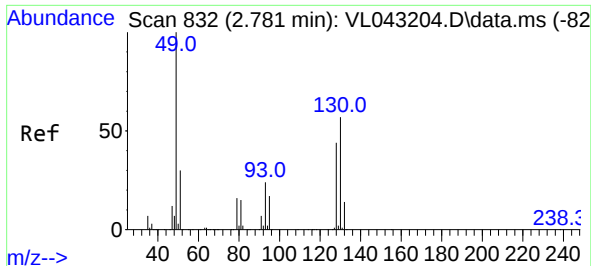
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Nov 24 23:42:22 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





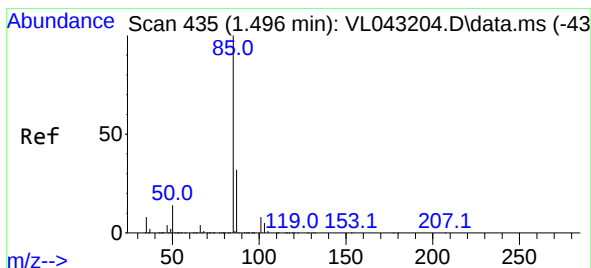
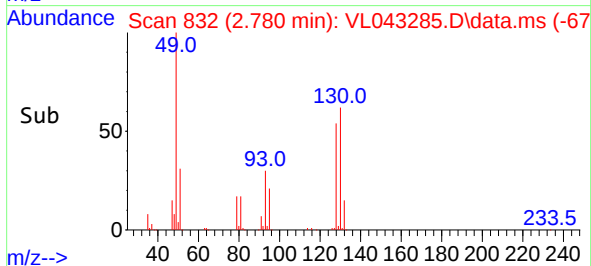
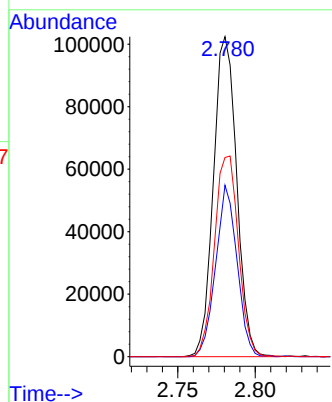
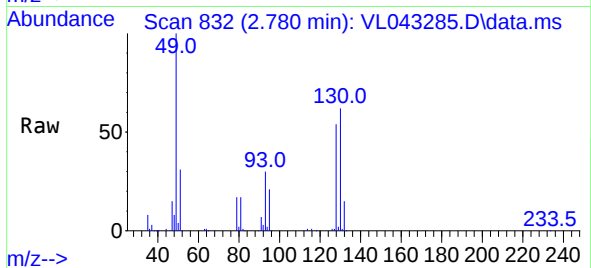
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 10682
Ion Ratio Lower Upper
49 100
128 49.3 23.0 69.0
130 64.8 29.9 89.7

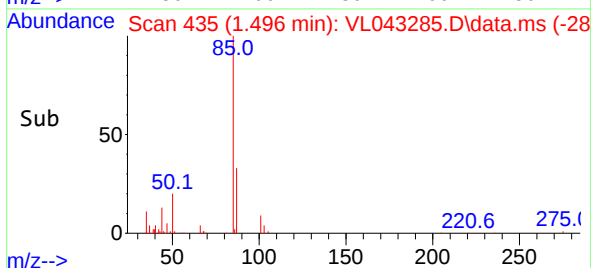
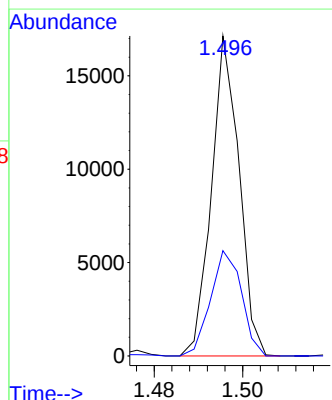
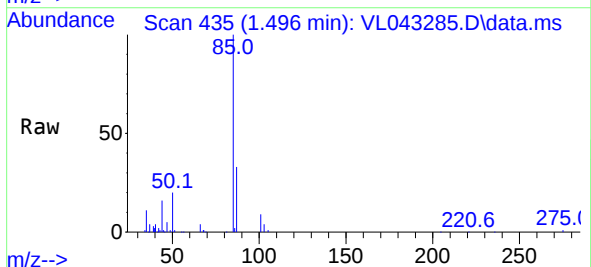
Manual Integrations
APPROVED

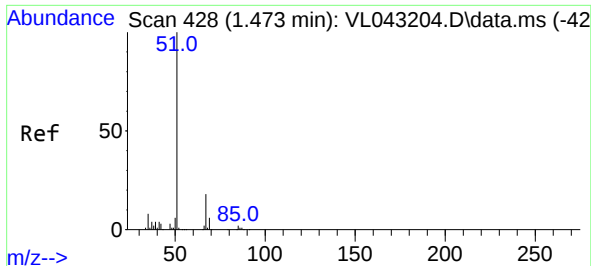
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#2
Dichlorodifluoromethane
Concen: 0.493 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

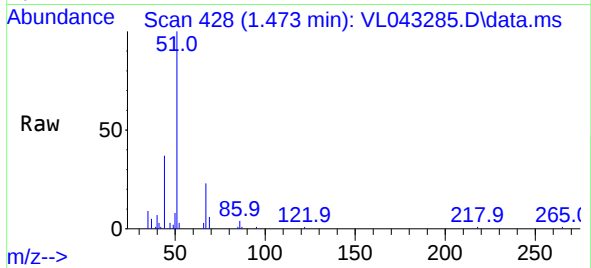
Tgt Ion: 85 Resp: 7424
Ion Ratio Lower Upper
85 100
87 32.9 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.324 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

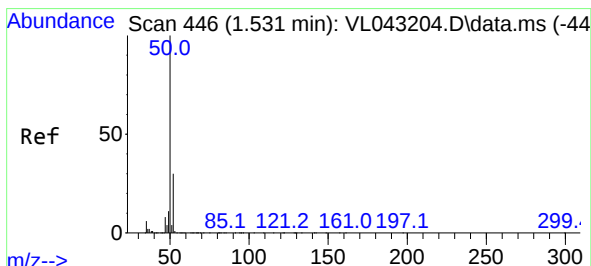
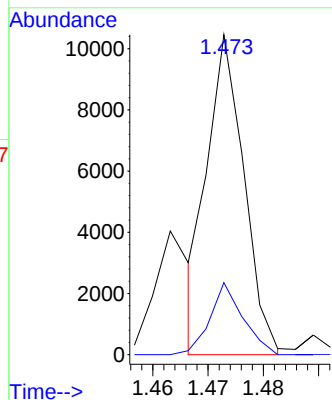
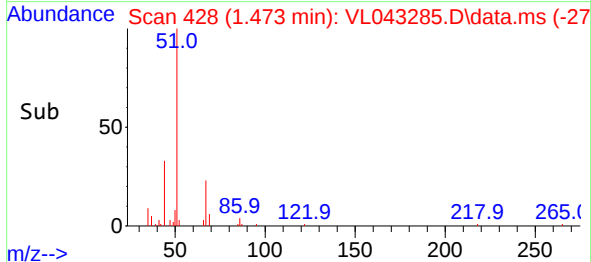
Instrument :
MSVOA_L
ClientSampleId :
OA1



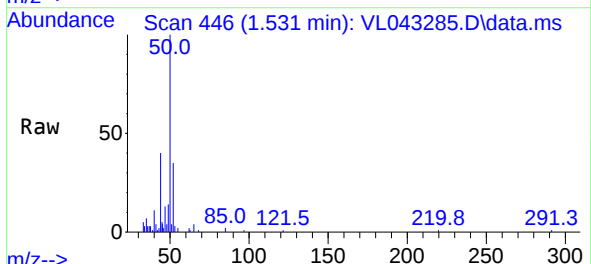
Tgt Ion: 51 Resp: 4809
Ion Ratio Lower Upper
51 100
67 2.6 14.9 22.3

Manual Integrations
APPROVED

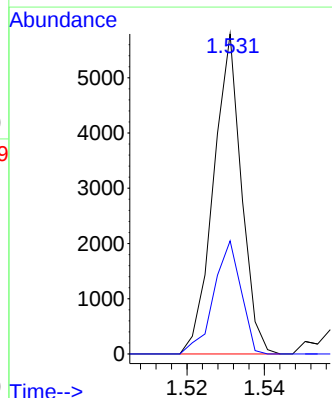
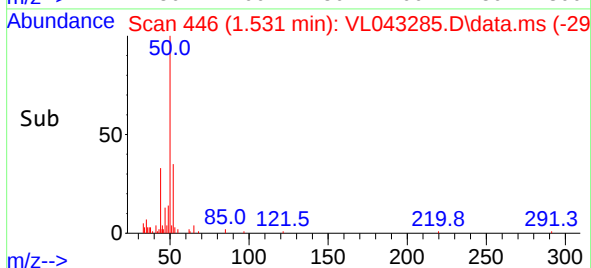
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

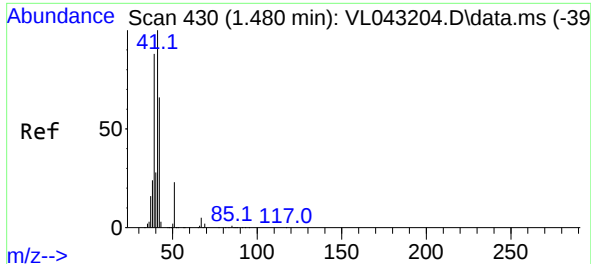


#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43



Tgt Ion: 50 Resp: 2906
Ion Ratio Lower Upper
50 100
52 35.4 24.1 36.1





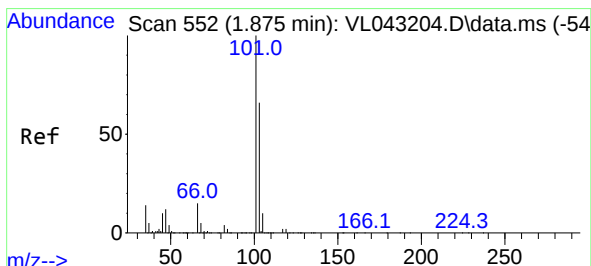
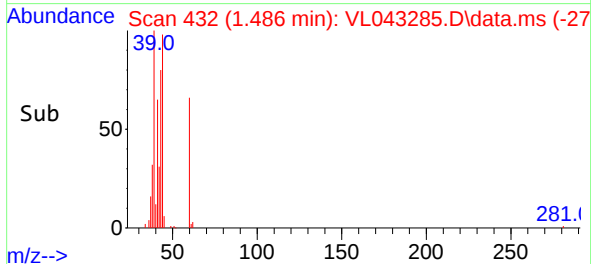
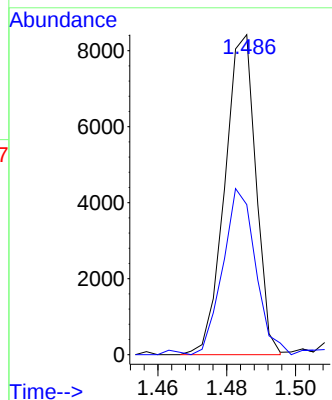
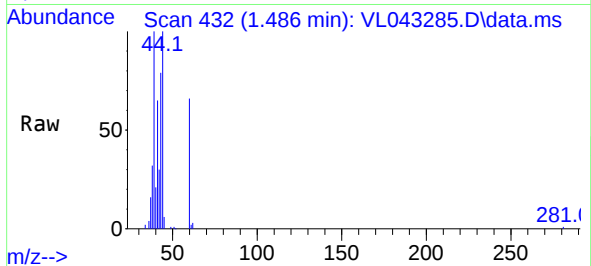
#9
Propene
Concen: 0.841 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 5289
Ion Ratio Lower Upper
41 100
42 57.3 3.7 5.5

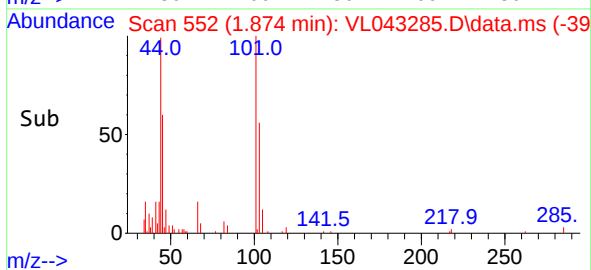
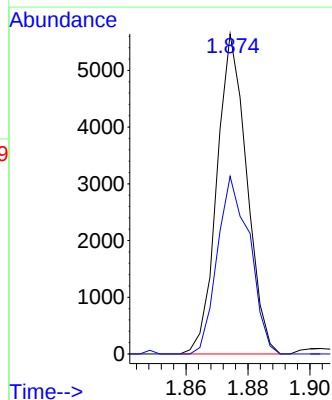
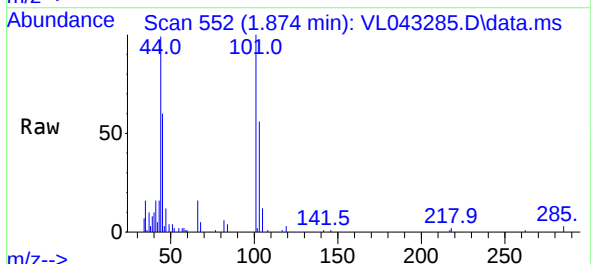
Manual Integrations
APPROVED

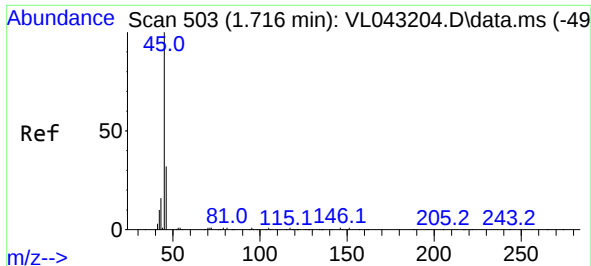
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#11
Trichlorofluoromethane
Concen: 0.259 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

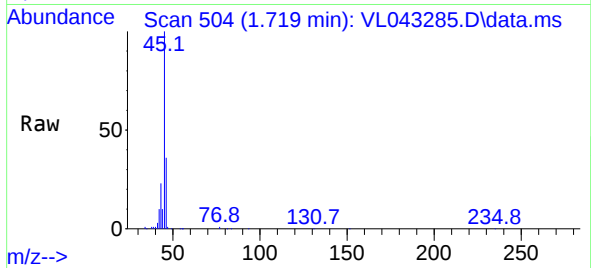
Tgt Ion:101 Resp: 3779
Ion Ratio Lower Upper
101 100
103 55.5 52.6 79.0





#13
Ethanol
Concen: 8.747 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

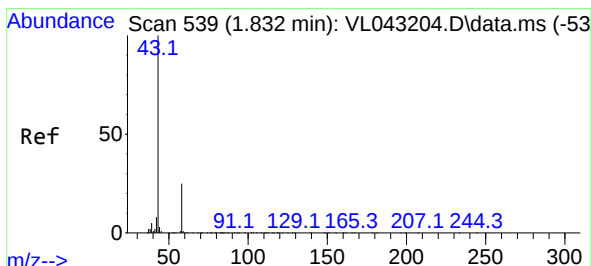
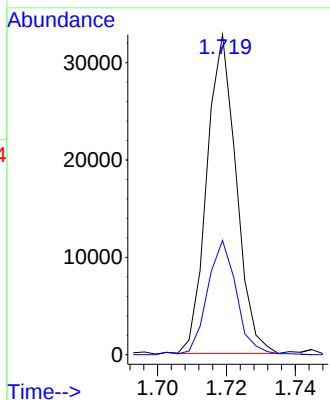
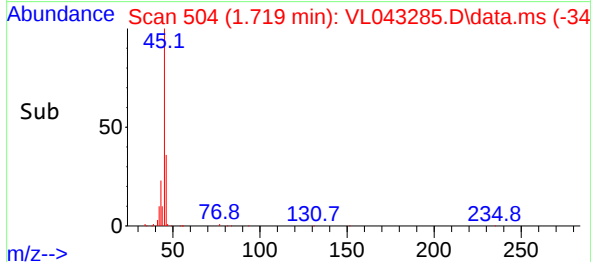
Instrument :
MSVOA_L
ClientSampleId :
OA1



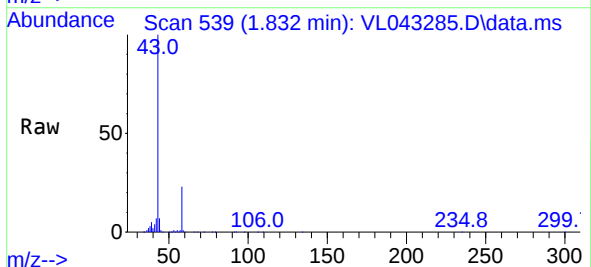
Tgt Ion: 45 Resp: 19354
Ion Ratio Lower Upper
45 100
46 36.2 15.0 59.8

Manual Integrations
APPROVED

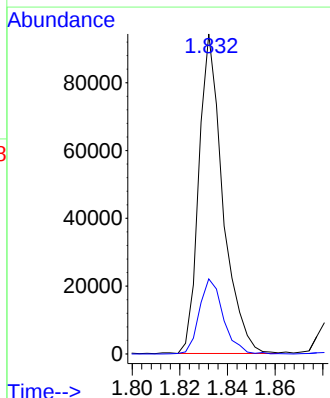
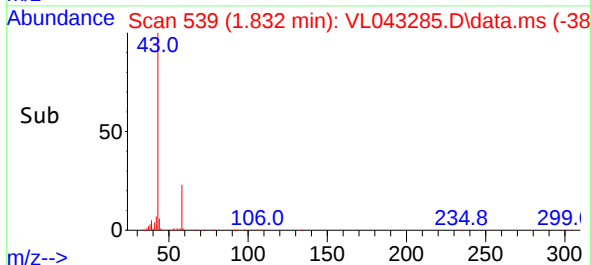
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

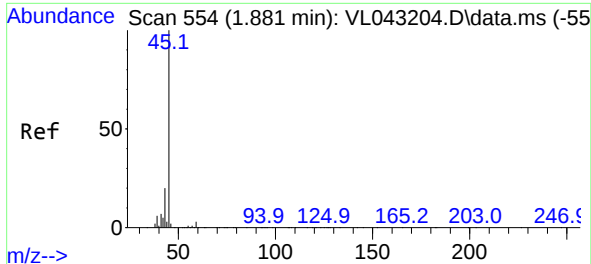


#15
Acetone
Concen: 4.444 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43



Tgt Ion: 43 Resp: 65952
Ion Ratio Lower Upper
43 100
58 23.5 20.7 31.1





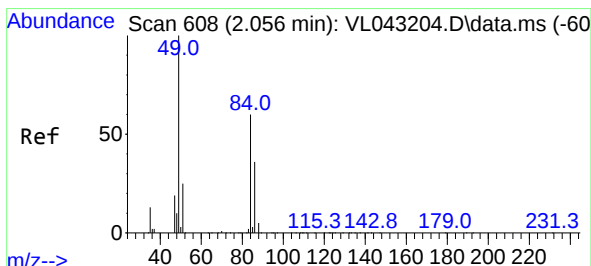
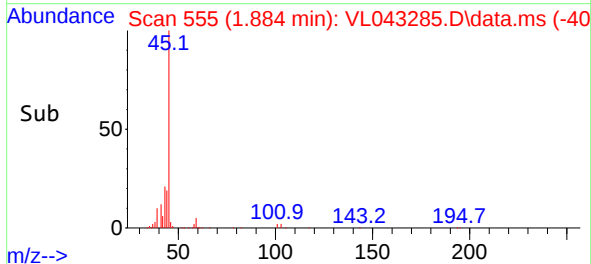
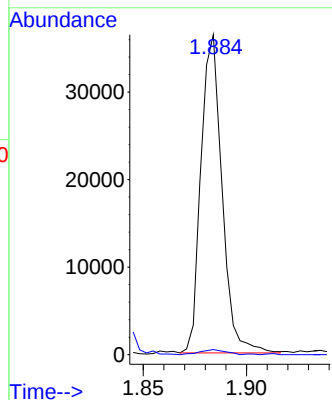
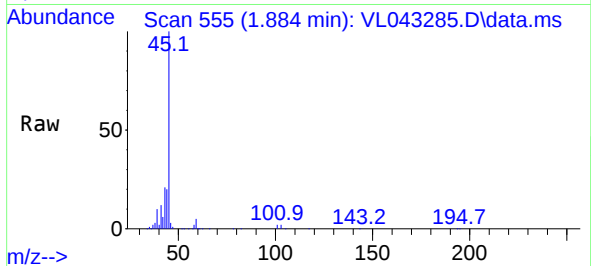
#19
Isopropyl Alcohol
Concen: 3.078 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 2581
Ion Ratio Lower Upper
45 100
58 60.0 31.3 46.9

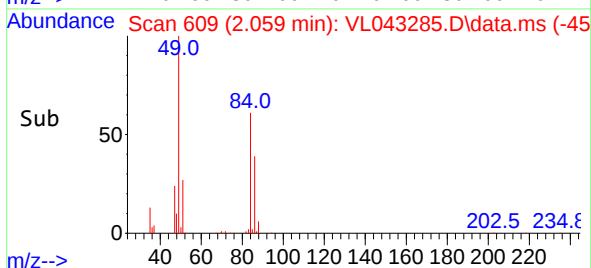
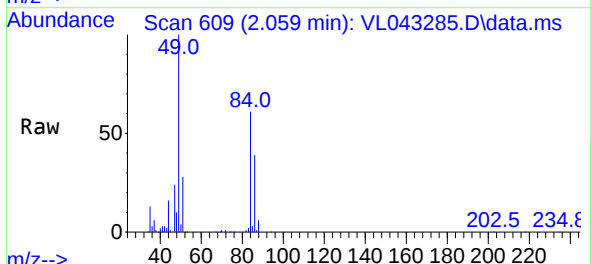
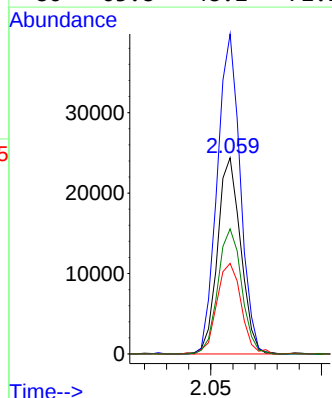
Manual Integrations
APPROVED

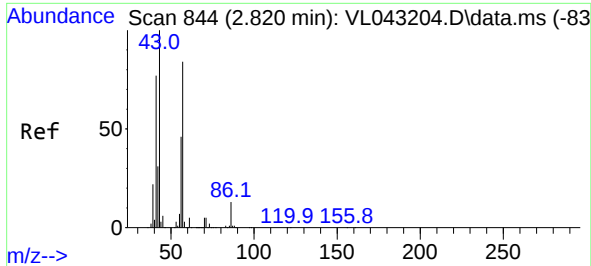
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#20
Methylene Chloride
Concen: 3.556 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

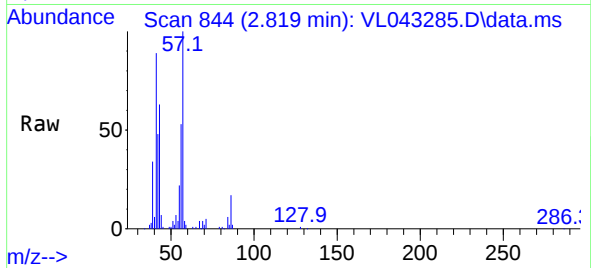
Tgt Ion: 84 Resp: 17762
Ion Ratio Lower Upper
84 100
49 163.1 132.9 199.3
51 46.1 34.8 52.2
86 63.8 48.2 72.2





#26
Hexane
Concen: 1.340 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

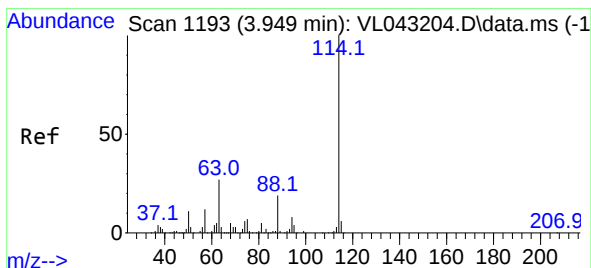
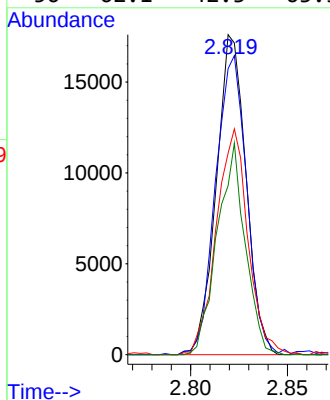
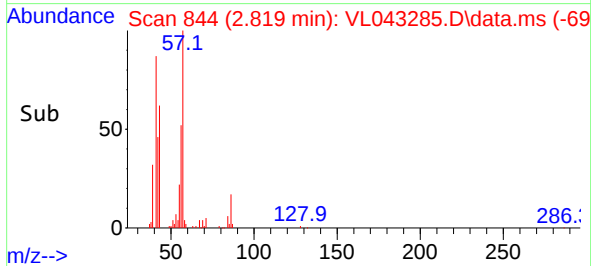
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 1880
Ion Ratio Lower Upper
57 100
41 99.8 74.6 111.8
43 75.0 179.0 268.4
56 62.1 42.3 63.5

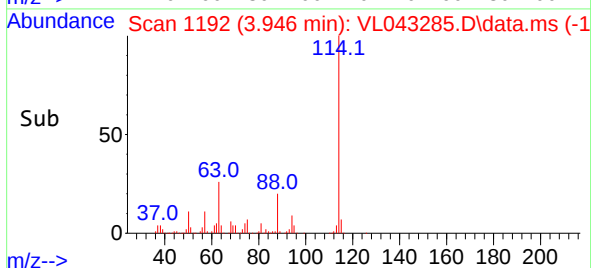
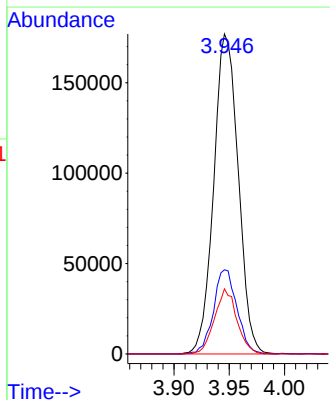
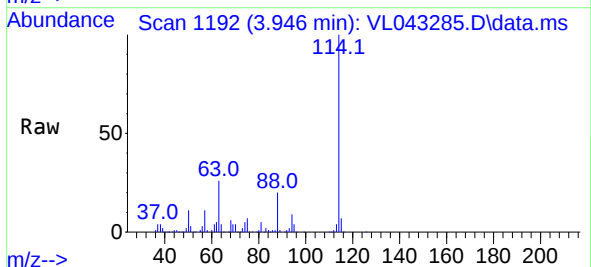
Manual Integrations
APPROVED

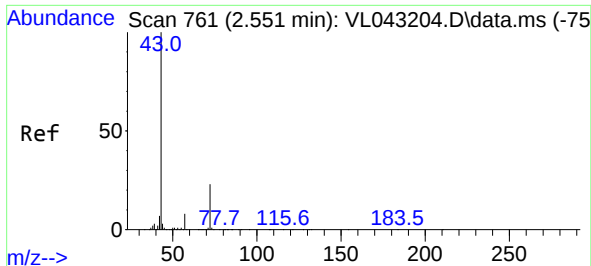
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.004 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

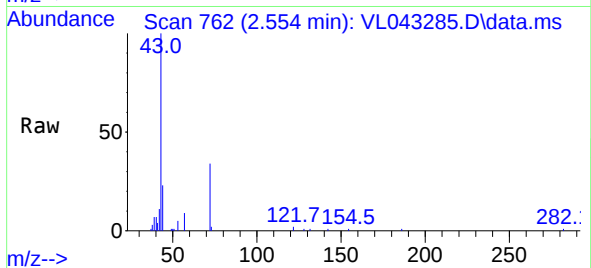
Tgt Ion:114 Resp: 272263
Ion Ratio Lower Upper
114 100
63 25.3 21.0 31.6
88 18.6 14.9 22.3





#34
2-Butanone
Concen: 0.298 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

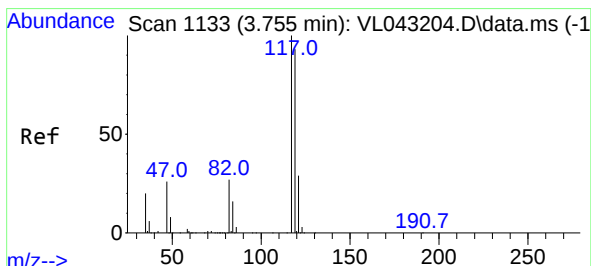
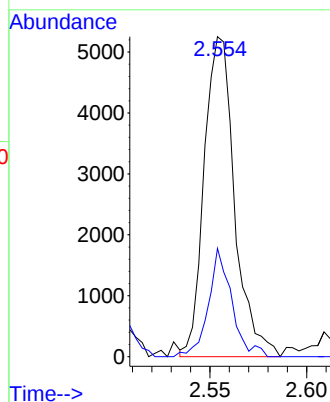
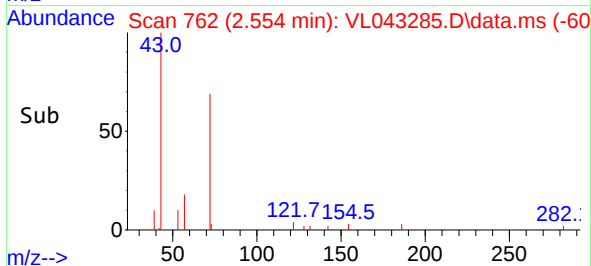
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
72 26.0 18.1 27.1

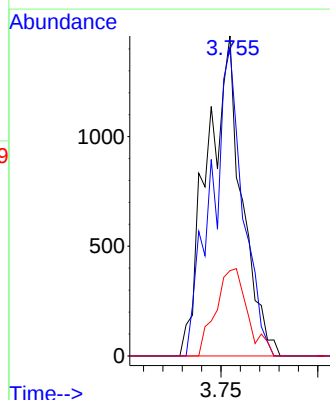
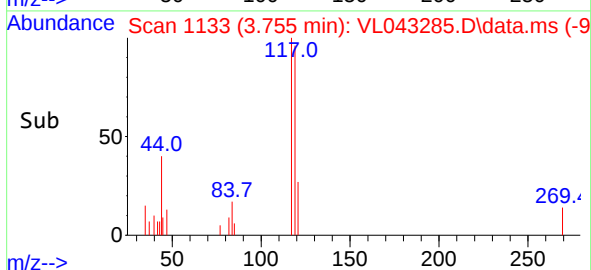
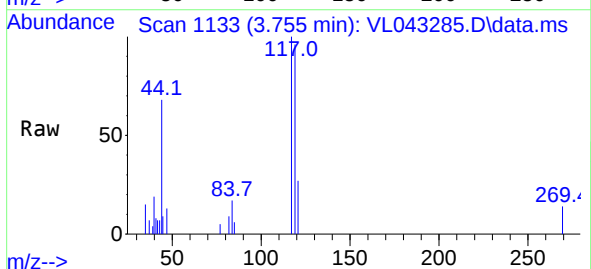
Manual Integrations
APPROVED

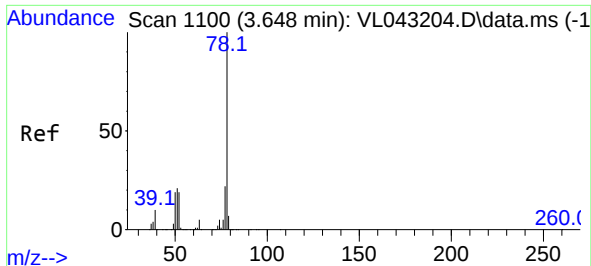
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

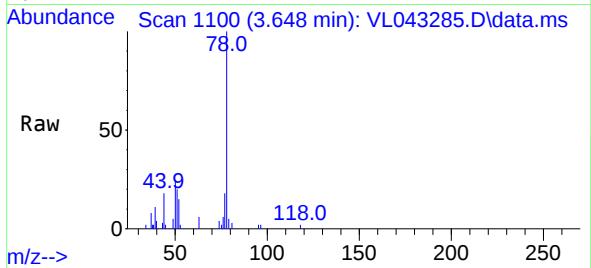
Tgt Ion:117 Resp: 1807
Ion Ratio Lower Upper
117 100
119 96.2 74.6 112.0
121 26.7 23.2 34.8





#36
Benzene
Concen: 0.223 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

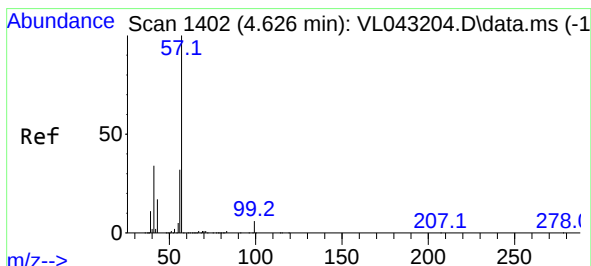
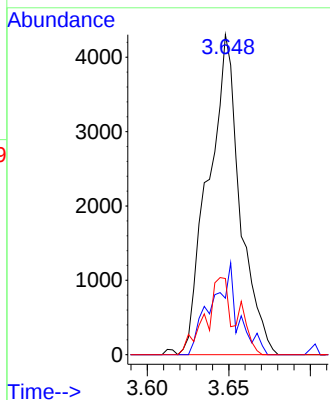
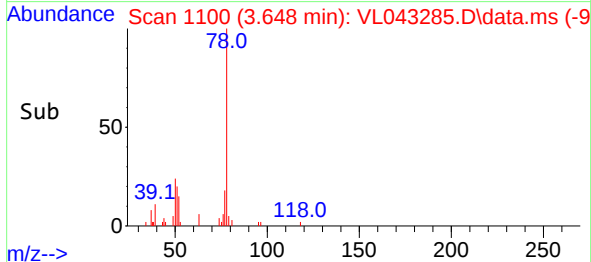
Instrument :
MSVOA_L
ClientSampleId :
OA1



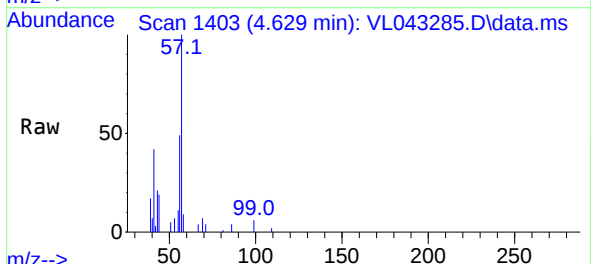
Tgt Ion: 78 Resp: 5800
Ion Ratio Lower Upper
78 100
77 17.7 17.5 26.3
50 23.8 15.5 23.3

Manual Integrations
APPROVED

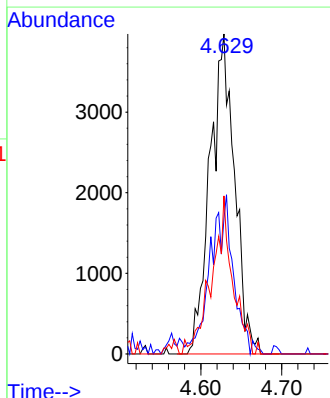
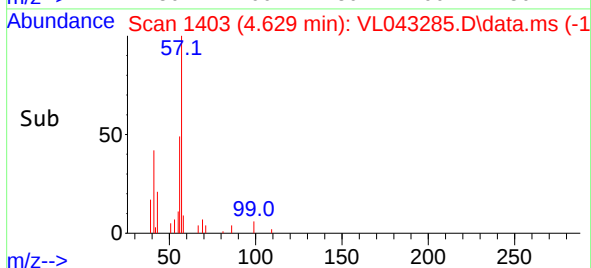
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

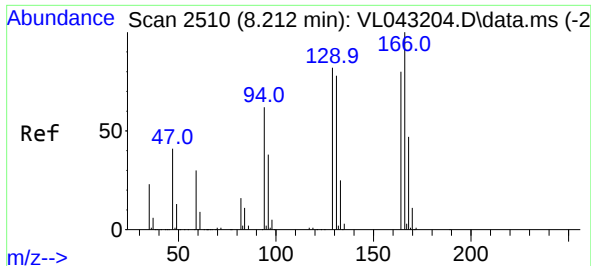


#44
2,2,4-Trimethylpentane
Concen: 0.187 ppbv m
RT: 4.629 min Scan# 1403
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43



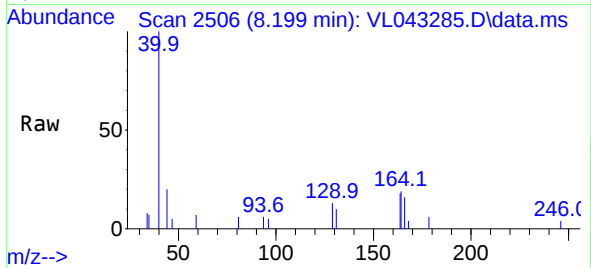
Tgt Ion: 57 Resp: 8356
Ion Ratio Lower Upper
57 100
41 50.6 28.0 42.0#
56 42.5 25.6 38.4#





#52
Tetrachloroethene
Concen: 0.068 ppbv m
RT: 8.199 min Scan# 2109
Delta R.T. -0.013 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

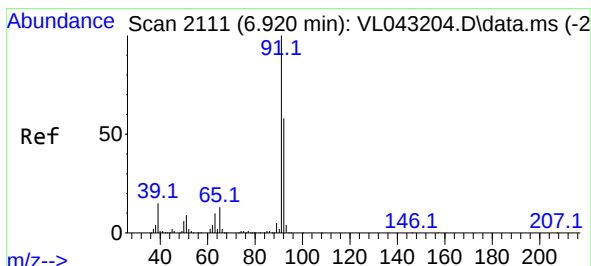
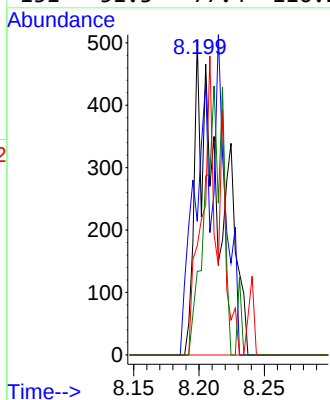
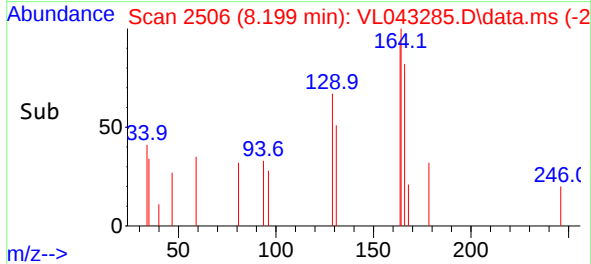
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:164 Resp: 658
Ion Ratio Lower Upper
164 100
166 82.0 99.4 149.2
129 67.0 81.8 122.8
131 51.3 77.4 116.2

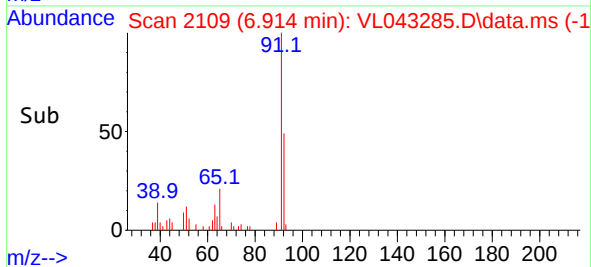
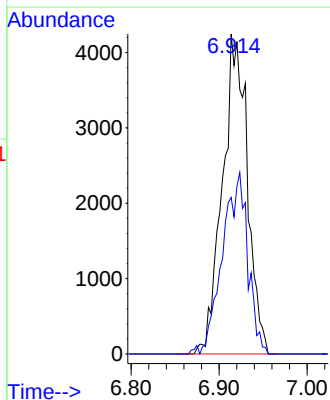
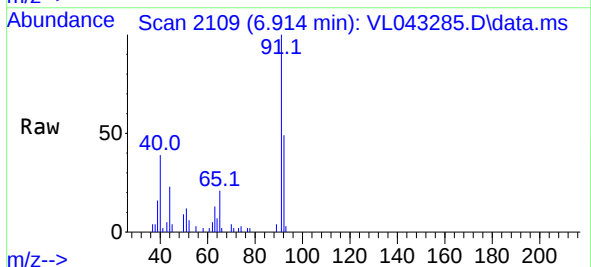
Manual Integrations
APPROVED

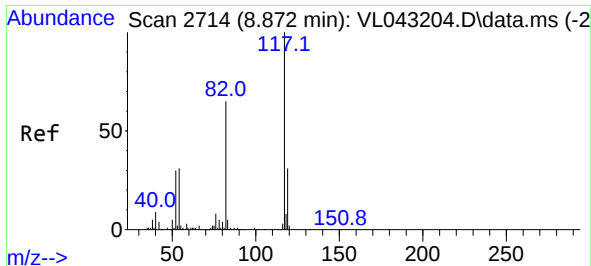
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#53
Toluene
Concen: 0.270 ppbv m
RT: 6.914 min Scan# 2109
Delta R.T. -0.007 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Tgt Ion: 91 Resp: 8340
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0





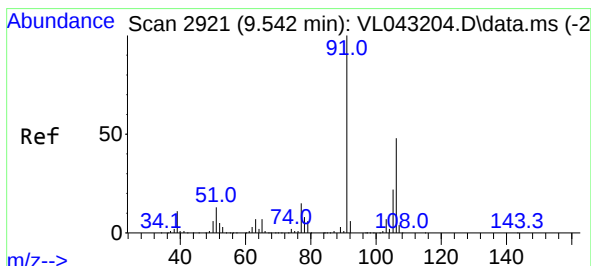
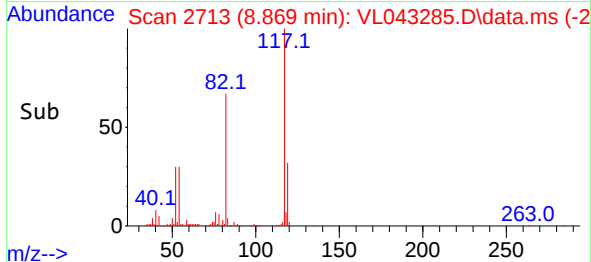
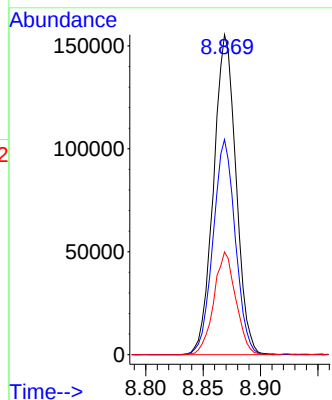
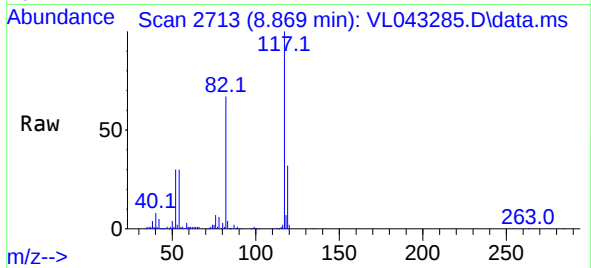
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21204
Delta R.T. -0.004 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 21204
Ion Ratio Lower Upper
117 100
82 66.4 56.1 84.1
119 31.5 25.0 37.6

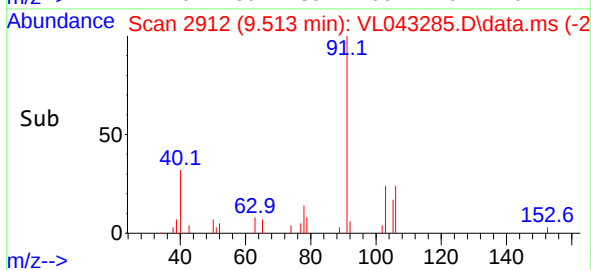
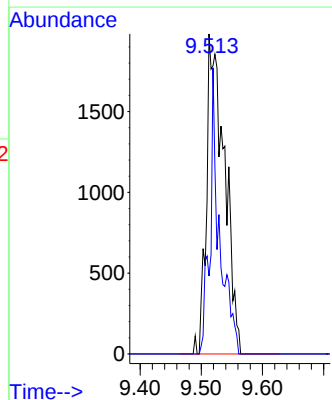
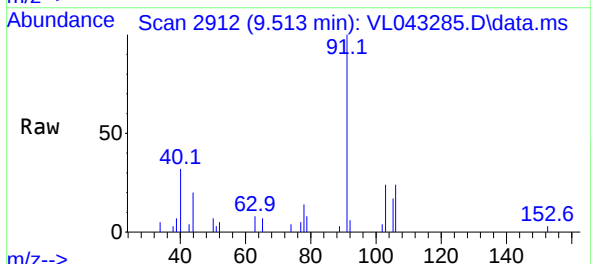
Manual Integrations
APPROVED

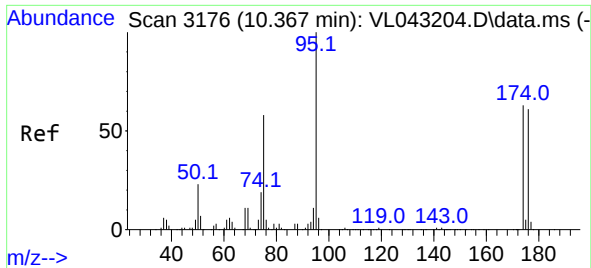
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#59
m/p-Xylene
Concen: 0.123 ppbv m
RT: 9.513 min Scan# 2912
Delta R.T. -0.029 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Tgt Ion: 91 Resp: 4019
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.660 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. -0.004 min
 Lab File: VL043285.D
 Acq: 24 Nov 2025 16:43

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Tgt Ion: 95 Resp: 150154

Ion	Ratio	Lower	Upper
95	100		
174	65.4	50.2	75.2
175	4.5	4.1	6.1

Manual Integrations
 APPROVED

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

