

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043242.D
 Acq On : 19 Nov 2025 16:39
 Operator : SY/MD
 Sample : Q3626-08 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 12-SG-2

Manual Integrations
 APPROVED

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

Quant Time: Nov 20 00:07:09 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 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	2.780	49	105972	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	291718	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	225662	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	163410	9.879	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	4114	0.275	ppbv	90
4) Chloromethane	1.531	50	1064	0.190	ppbv #	30
9) Propene	1.486	41	2573	0.412	ppbv #	1
11) Trichlorofluoromethane	1.874	101	1791	0.124	ppbv	98
13) Ethanol	1.719	45	21091	9.609	ppbv	98
15) Acetone	1.832	43	203704	13.836	ppbv	98
19) Isopropyl Alcohol	1.884	45	9293	1.117	ppbv #	1
20) Methylene Chloride	2.059	84	72858	17.373	ppbv	94
26) Hexane	2.823	57	164266	11.799	ppbv #	41
34) 2-Butanone	2.554	43	5323	0.258	ppbv	93
35) Carbon Tetrachloride	3.755	117	811m	0.037	ppbv	
36) Benzene	3.648	78	3190	0.114	ppbv #	94
38) Trichloroethene	4.538	130	413m	0.038	ppbv	
52) Tetrachloroethene	8.215	164	96249	9.262	ppbv	98
53) Toluene	6.923	91	5521m	0.167	ppbv	

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

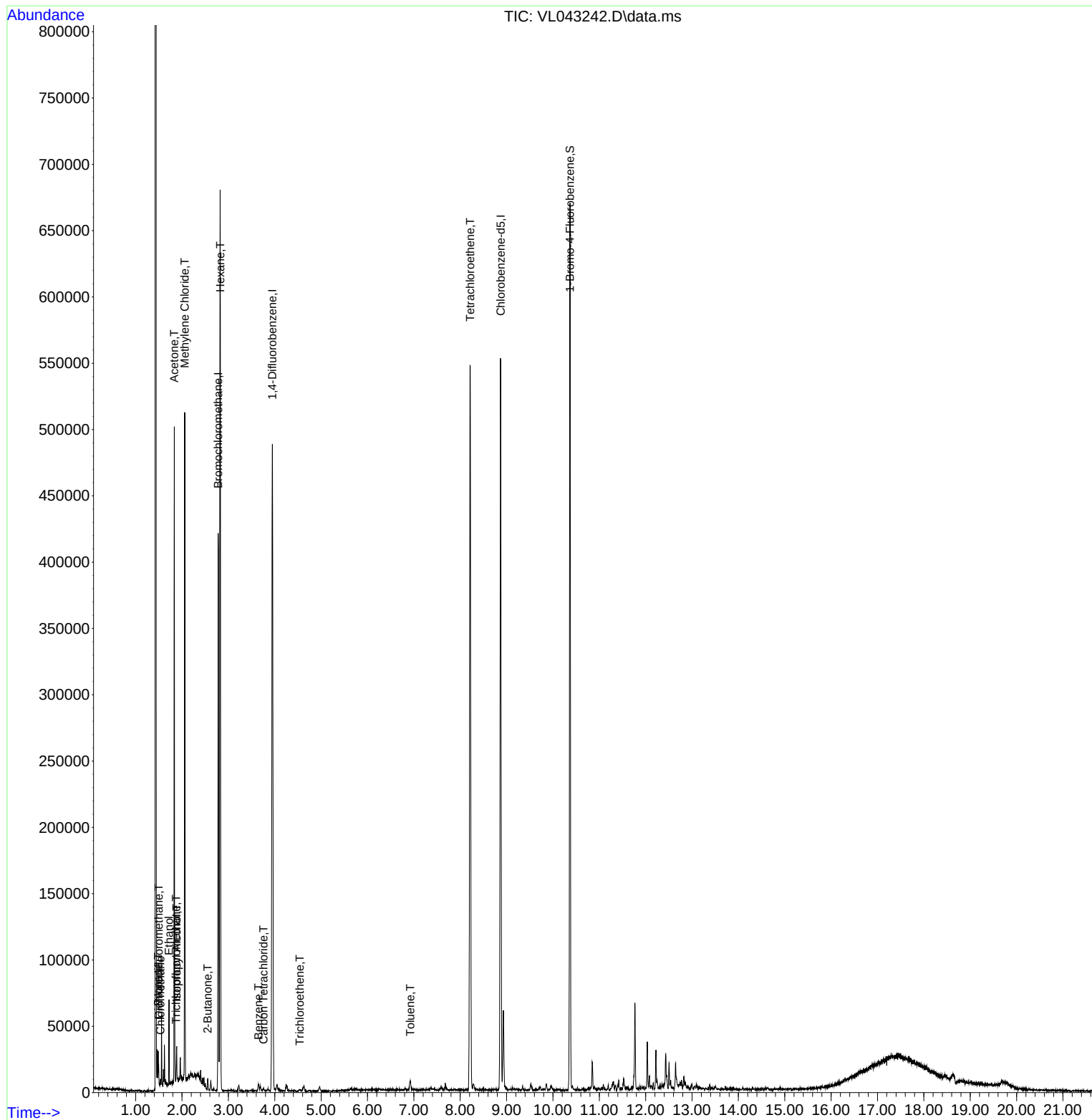
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
Data File : VL043242.D
Acq On : 19 Nov 2025 16:39
Operator : SY/MD
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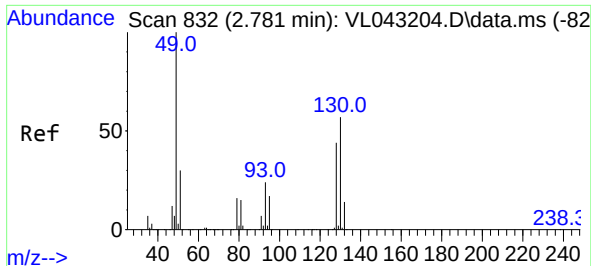
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2

Quant Time: Nov 20 00:07:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

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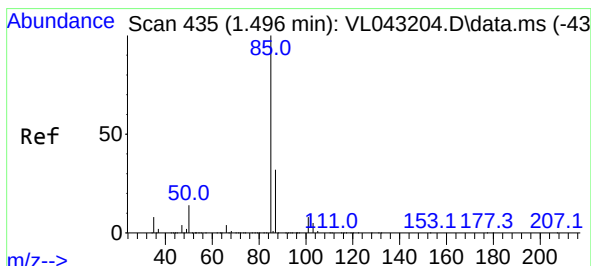
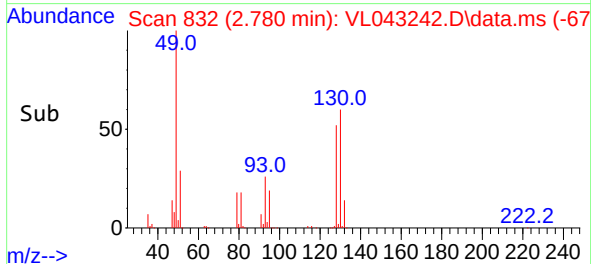
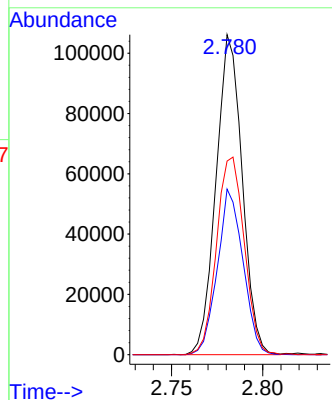
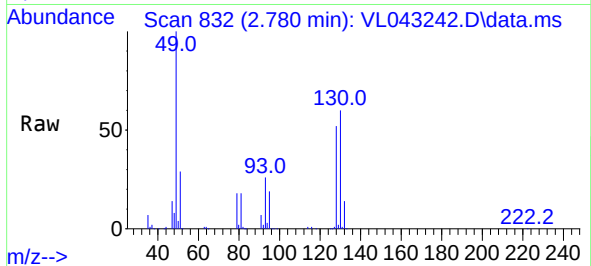
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

Instrument :
MSVOA_L
ClientSampleId :
12-SG-2

Tgt Ion: 49 Resp: 105972
Ion Ratio Lower Upper
49 100
128 50.7 23.0 69.0
130 65.5 29.9 89.7

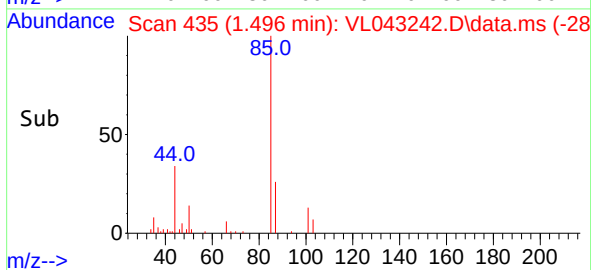
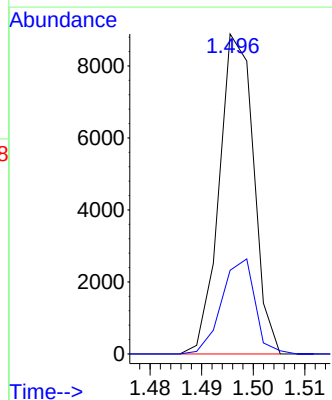
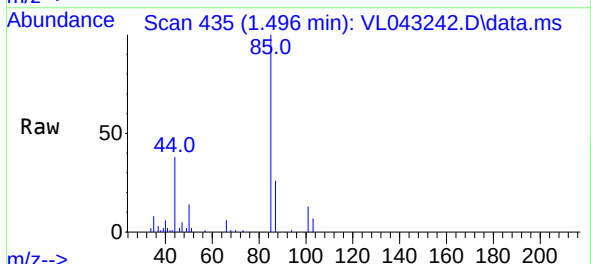
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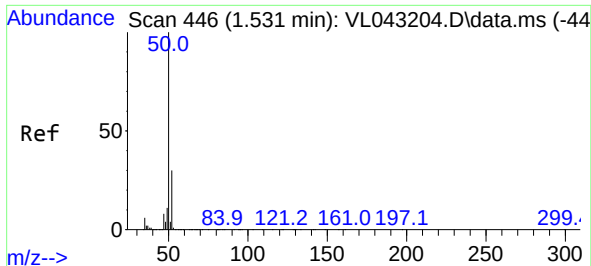
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#2
Dichlorodifluoromethane
Concen: 0.275 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

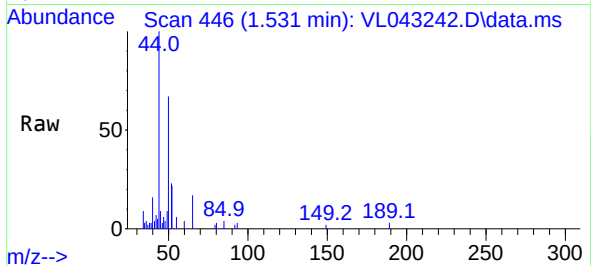
Tgt Ion: 85 Resp: 4114
Ion Ratio Lower Upper
85 100
87 26.2 25.4 38.2





#4
Chloromethane
Concen: 0.190 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

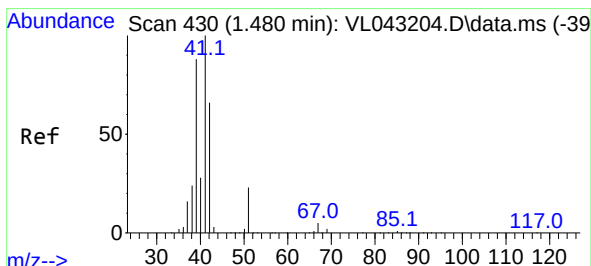
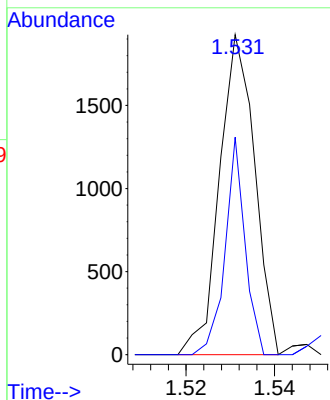
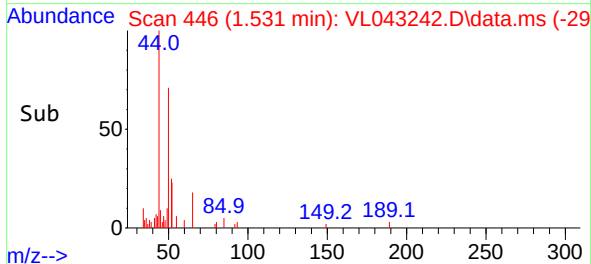
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2



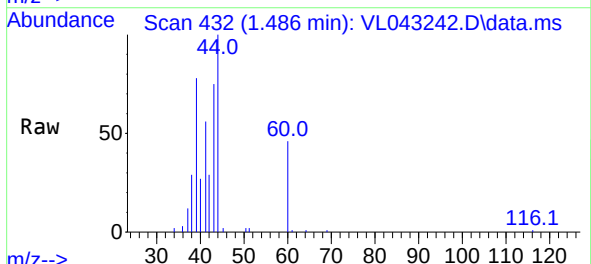
Tgt Ion: 50 Resp: 1064
Ion Ratio Lower Upper
50 100
52 68.0 24.1 36.1

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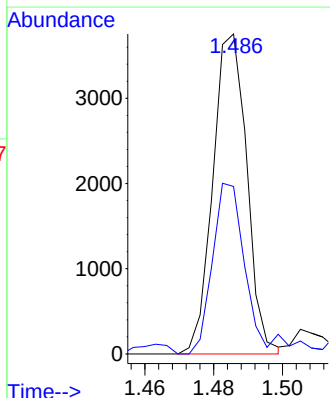
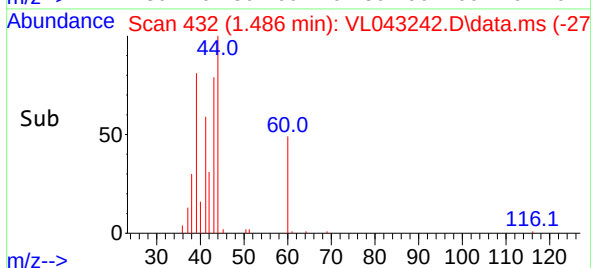
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

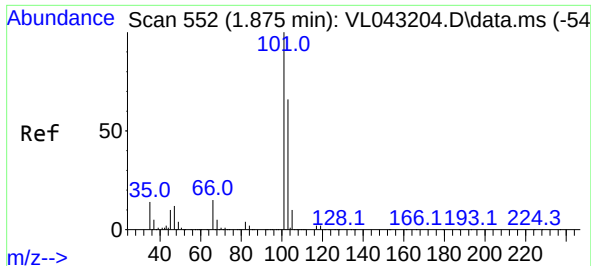


#9
Propene
Concen: 0.412 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.006 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39



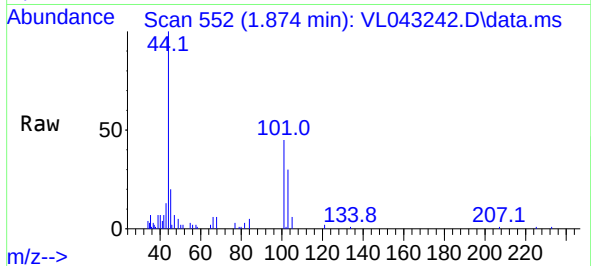
Tgt Ion: 41 Resp: 2573
Ion Ratio Lower Upper
41 100
42 57.6 3.7 5.5





#11
Trichlorofluoromethane
Concen: 0.124 ppbv
RT: 1.874 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

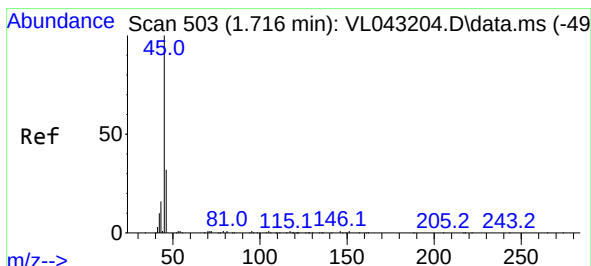
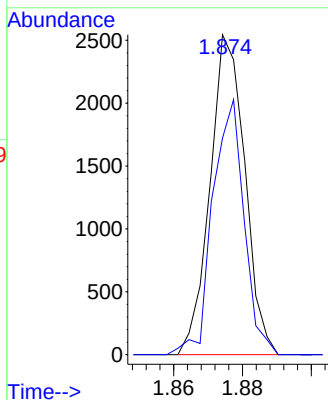
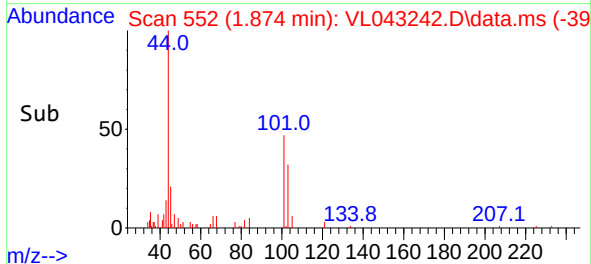
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2



Tgt Ion:101 Resp: 179
Ion Ratio Lower Upper
101 100
103 67.7 52.6 79.0

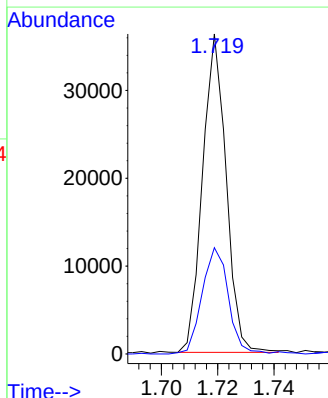
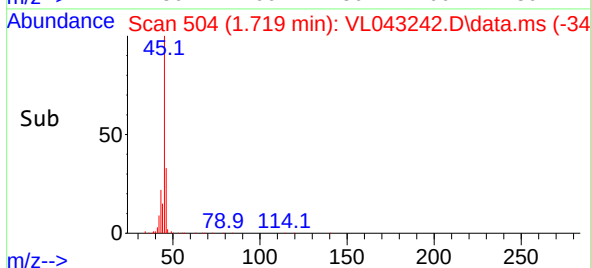
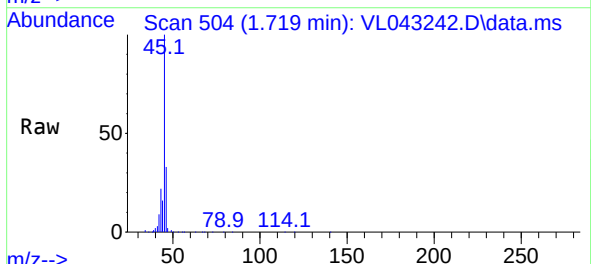
Manual Integrations
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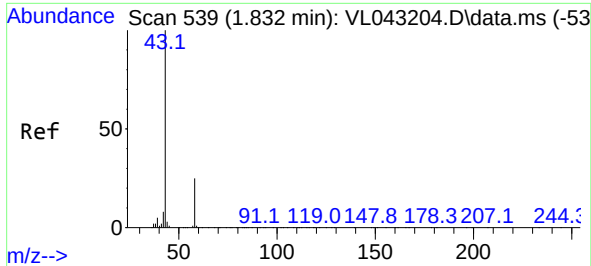
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#13
Ethanol
Concen: 9.609 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

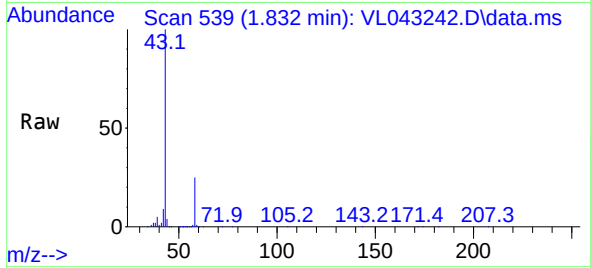
Tgt Ion: 45 Resp: 21091
Ion Ratio Lower Upper
45 100
46 38.4 15.0 59.8





#15
Acetone
Concen: 13.836 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

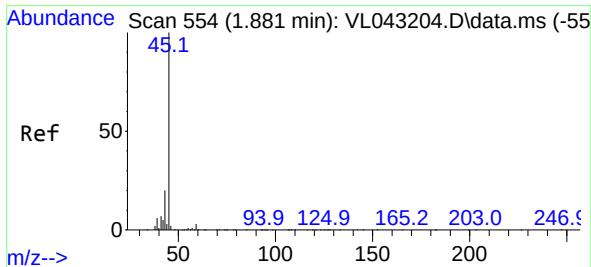
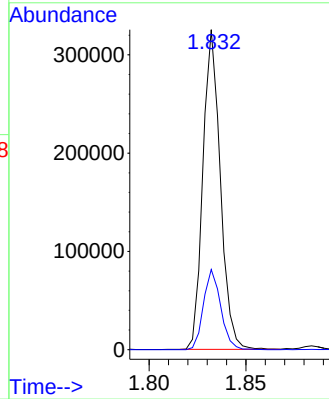
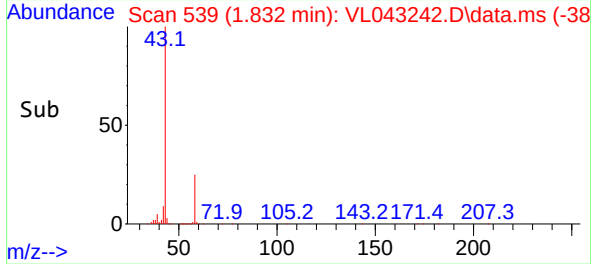
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2



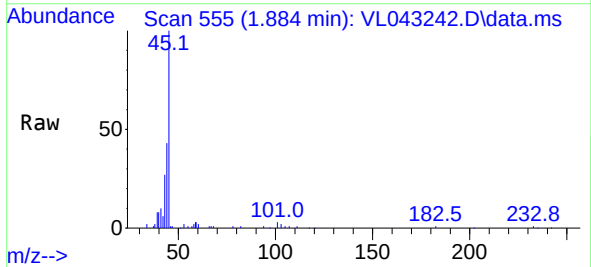
Tgt Ion: 43 Resp: 203704
Ion Ratio Lower Upper
43 100
58 24.8 20.7 31.1

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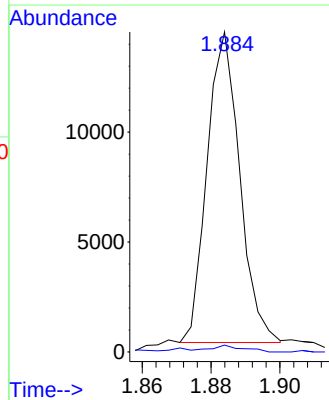
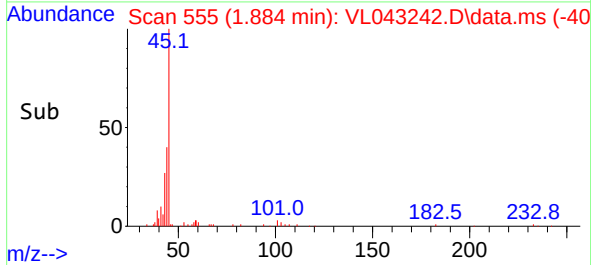
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

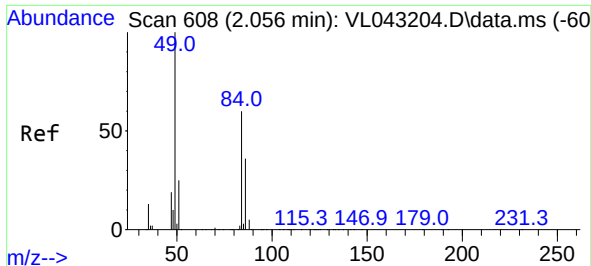


#19
Isopropyl Alcohol
Concen: 1.117 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39



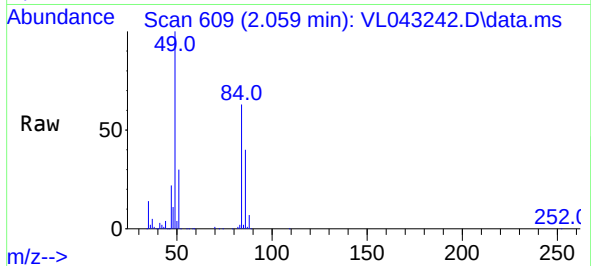
Tgt Ion: 45 Resp: 9293
Ion Ratio Lower Upper
45 100
58 544.2 31.3 46.9#





#20
Methylene Chloride
Concen: 17.373 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

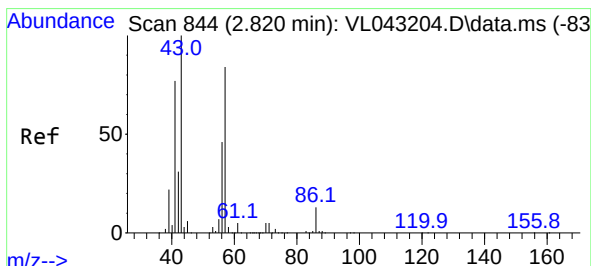
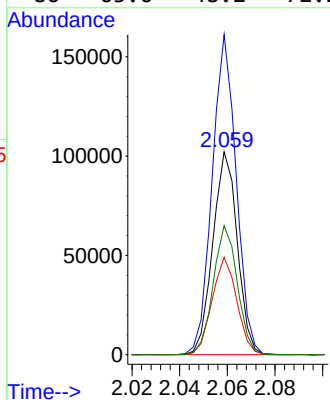
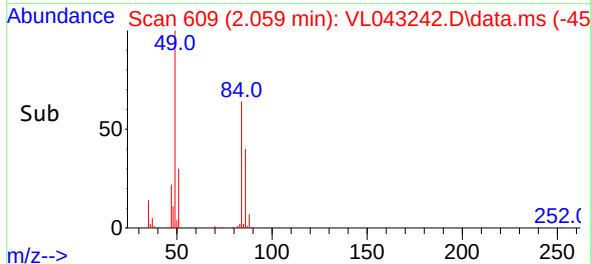
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2



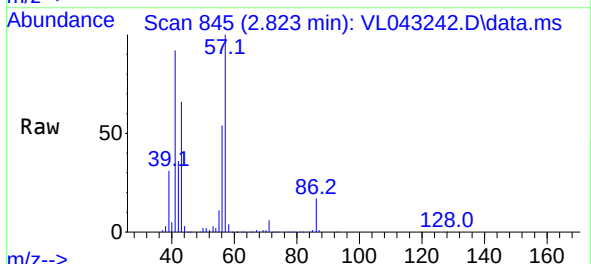
Tgt Ion: 84 Resp: 7285
Ion Ratio Lower Upper
84 100
49 157.6 132.9 199.3
51 47.9 34.8 52.2
86 63.6 48.2 72.2

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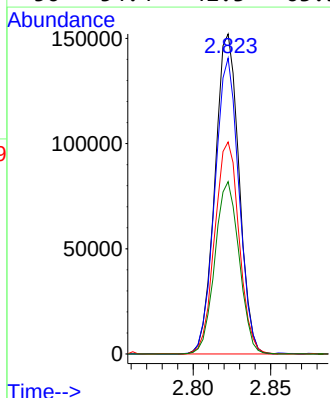
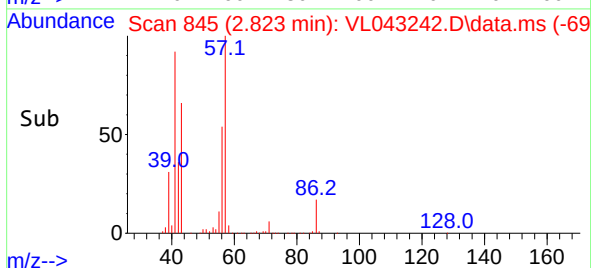
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

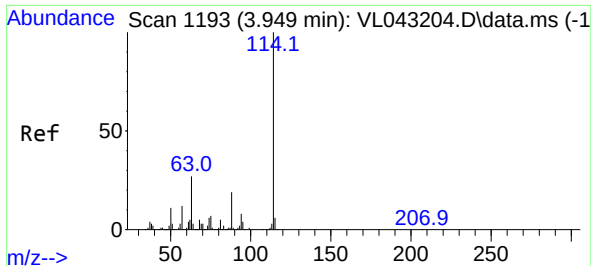


#26
Hexane
Concen: 11.799 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39



Tgt Ion: 57 Resp: 164266
Ion Ratio Lower Upper
57 100
41 92.6 74.6 111.8
43 67.4 179.0 268.4#
56 54.4 42.3 63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VL043242.D

Acq: 19 Nov 2025 16:39

Instrument :

MSVOA_L

ClientSampleId :

12-SG-2

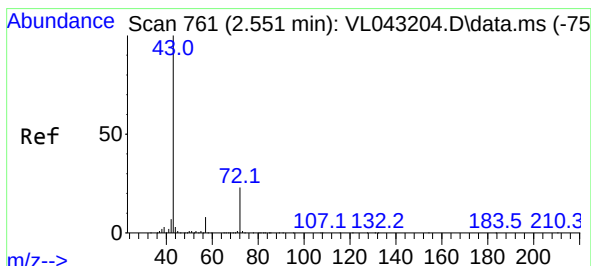
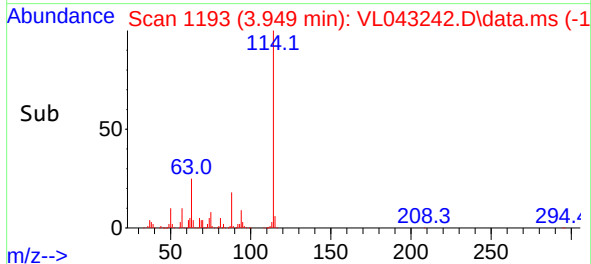
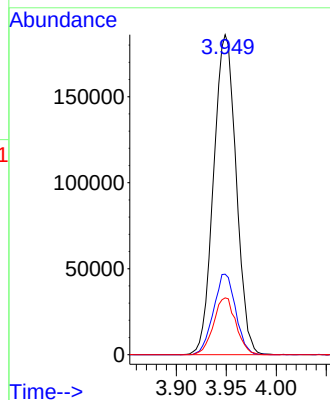
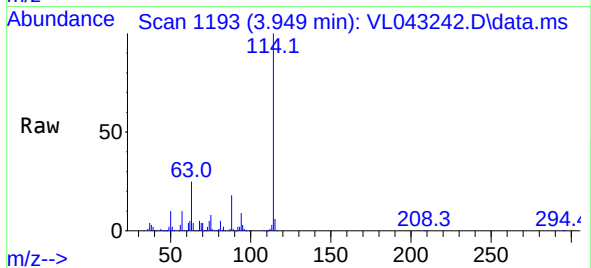
Tgt Ion:114 Resp: 291718

Ion	Ratio	Lower	Upper
114	100		
63	24.8	21.0	31.6
88	17.7	14.9	22.3

Manual Integrations

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Supervised By :Mahesh Dadoda 11/21/2025



#34

2-Butanone

Concen: 0.258 ppbv

RT: 2.554 min Scan# 762

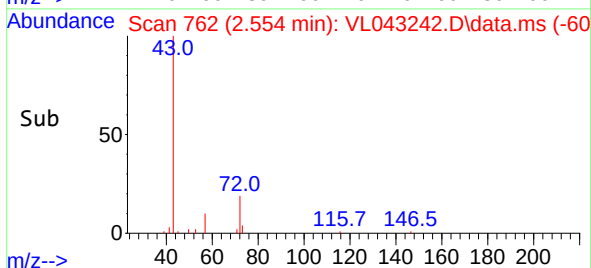
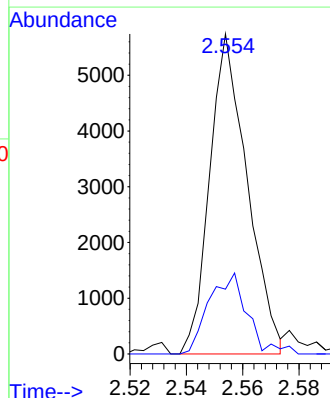
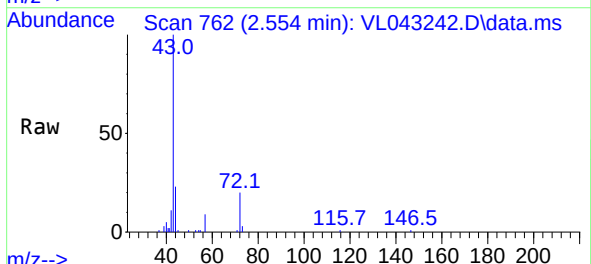
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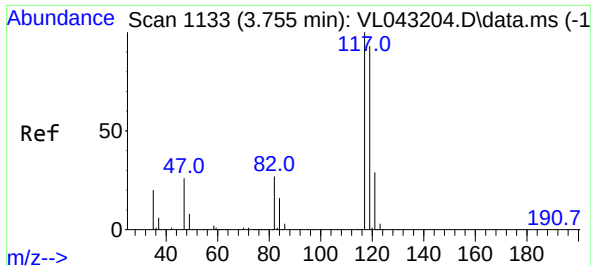
Lab File: VL043242.D

Acq: 19 Nov 2025 16:39

Tgt Ion: 43 Resp: 5323

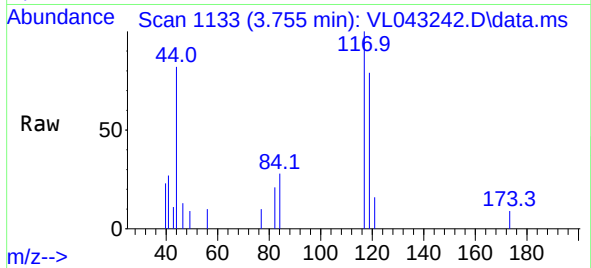
Ion	Ratio	Lower	Upper
43	100		
72	25.9	18.1	27.1





#35
Carbon Tetrachloride
Concen: 0.037 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

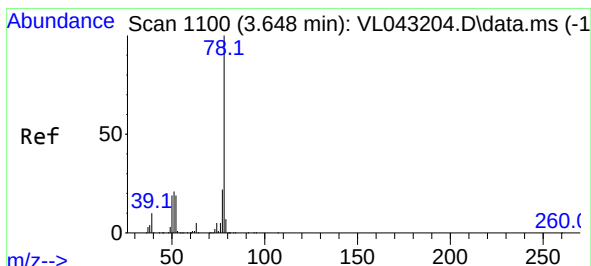
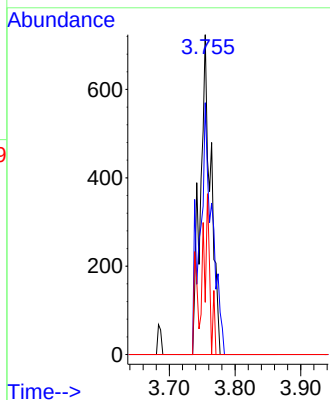
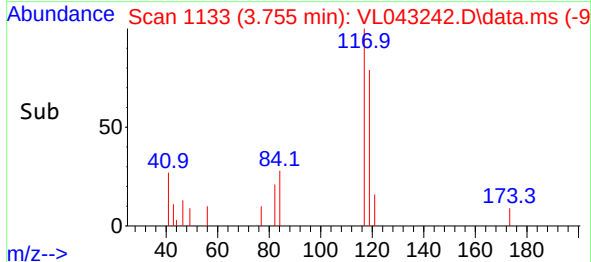
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2



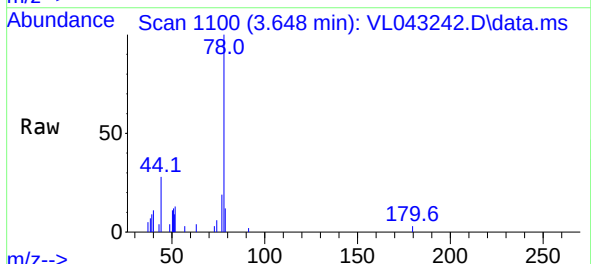
Tgt Ion: 117 Resp: 81
Ion Ratio Lower Upper
117 100
119 78.7 74.6 112.0
121 16.3 23.2 34.8

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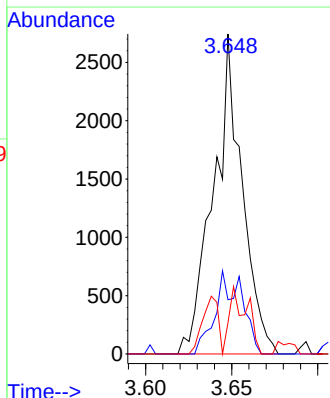
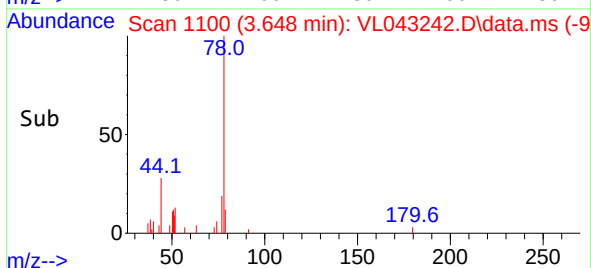
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

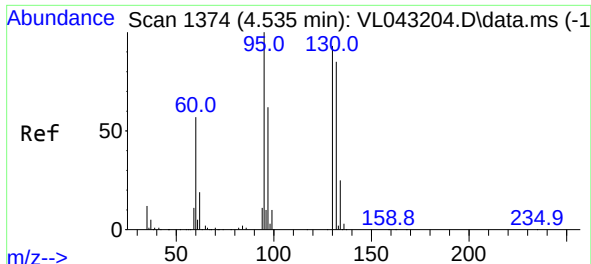


#36
Benzene
Concen: 0.114 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39



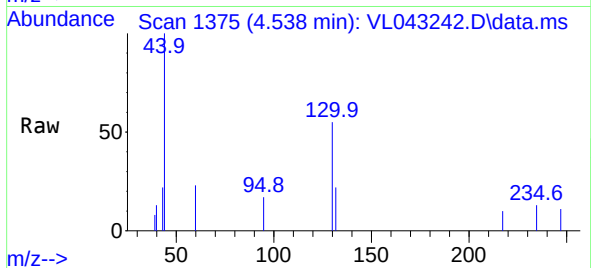
Tgt Ion: 78 Resp: 3190
Ion Ratio Lower Upper
78 100
77 16.9 17.5 26.3#
50 20.3 15.5 23.3





#38
Trichloroethene
Concen: 0.038 ppbv m
RT: 4.538 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

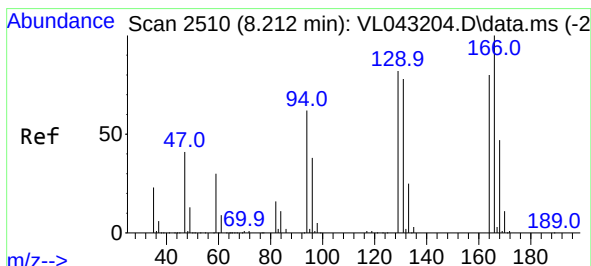
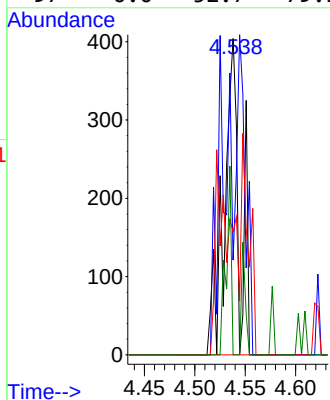
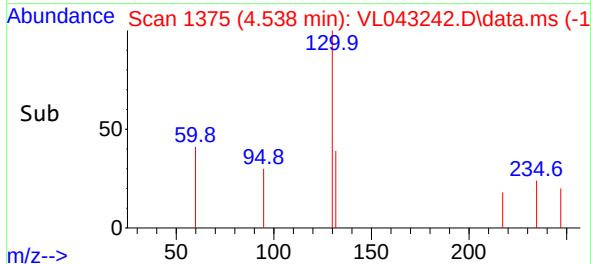
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2



Tgt Ion:130 Resp: 411
Ion Ratio Lower Upper
130 100
95 30.0 85.7 128.5
132 38.9 73.4 110.0
97 0.0 52.7 79.1#

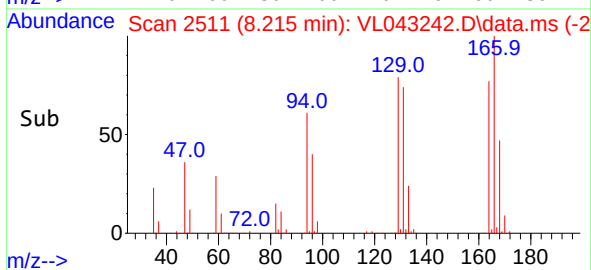
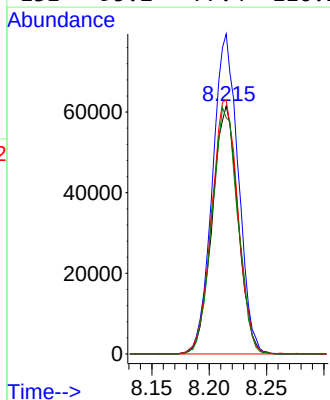
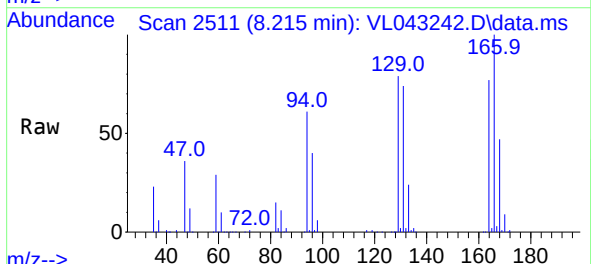
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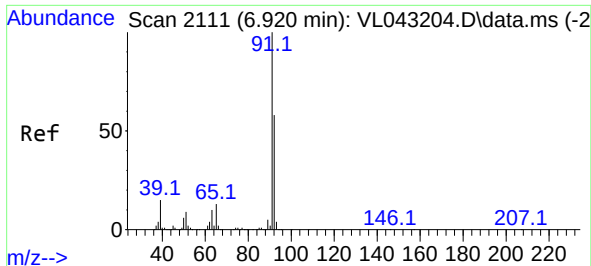
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#52
Tetrachloroethene
Concen: 9.262 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

Tgt Ion:164 Resp: 96249
Ion Ratio Lower Upper
164 100
166 129.0 99.4 149.2
129 102.4 81.8 122.8
131 95.2 77.4 116.2





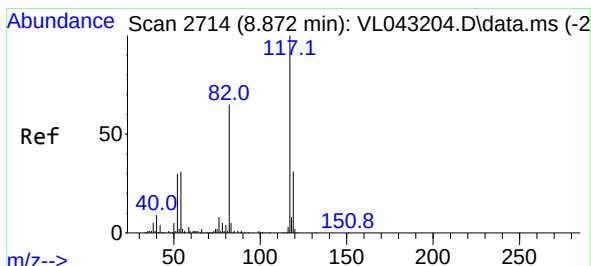
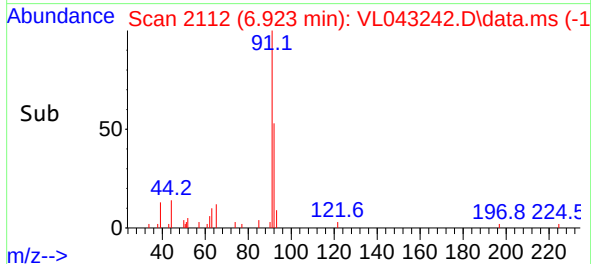
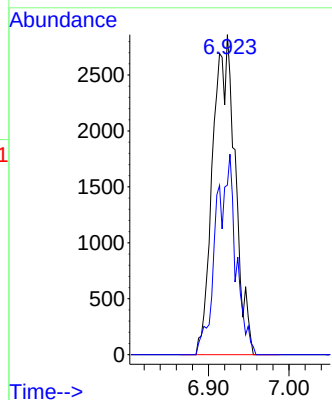
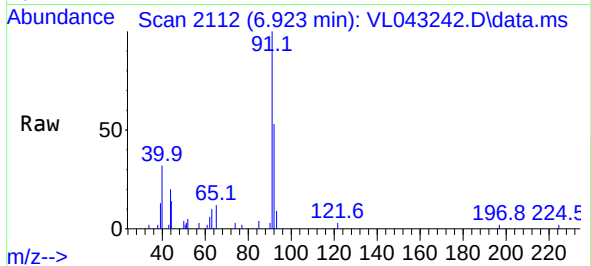
#53
Toluene
Concen: 0.167 ppbv m
RT: 6.923 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

Instrument :
MSVOA_1
ClientSampleId :
12-SG-2

Tgt Ion: 91 Resp: 552
Ion Ratio Lower Upper
91 100
92 55.9 47.4 71.0

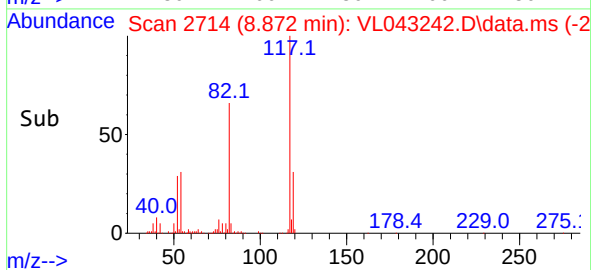
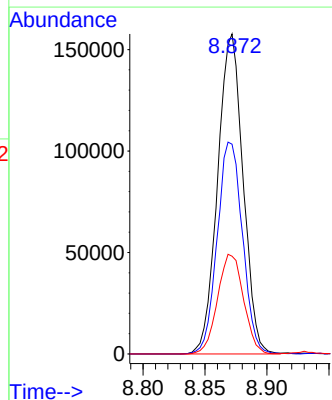
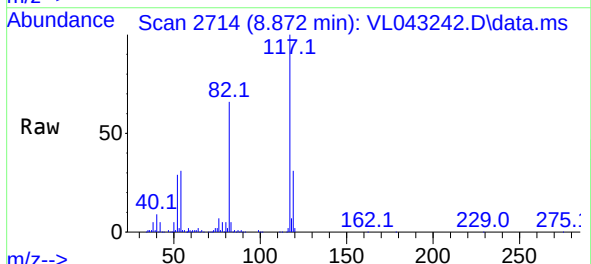
Manual Integrations
APPROVED

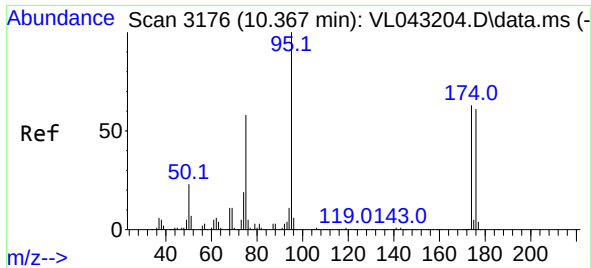
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.000 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

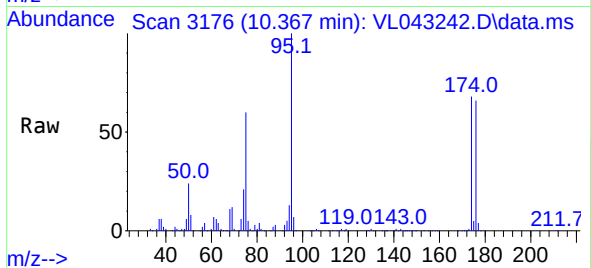
Tgt Ion:117 Resp: 225662
Ion Ratio Lower Upper
117 100
82 66.0 56.1 84.1
119 31.8 25.0 37.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.879 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043242.D
Acq: 19 Nov 2025 16:39

Instrument :
MSVOA_L
ClientSampleId :
12-SG-2



Tgt Ion: 95 Resp: 163410
Ion Ratio Lower Upper
95 100
174 67.3 50.2 75.2
175 5.1 4.1 6.1

Manual Integrations
APPROVED

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

