

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043230.D
 Acq On : 19 Nov 2025 00:44
 Operator : SY/MD
 Sample : Q3651-06DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 03:20:46 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	2.787	49	94238	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	242243	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	186991	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	141972	10.358	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%
Target Compounds						
4) Chloromethane	1.534	50	2829	0.569	ppbv #	77
9) Propene	1.486	41	665	0.120	ppbv #	1
10) Heptane	4.975	43	2158m	0.131	ppbv	
13) Ethanol	1.722	45	20611	10.560	ppbv	97
15) Acetone	1.835	43	8957	0.684	ppbv	93
20) Methylene Chloride	2.062	84	5048	0.568	ppbv	82
26) Hexane	2.826	57	1760	0.142	ppbv #	55
34) 2-Butanone	2.557	43	51160	2.992	ppbv	98
53) Toluene	6.927	91	162410	5.912	ppbv	100
59) m/p-Xylene	9.529	91	4088m	0.142	ppbv	

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

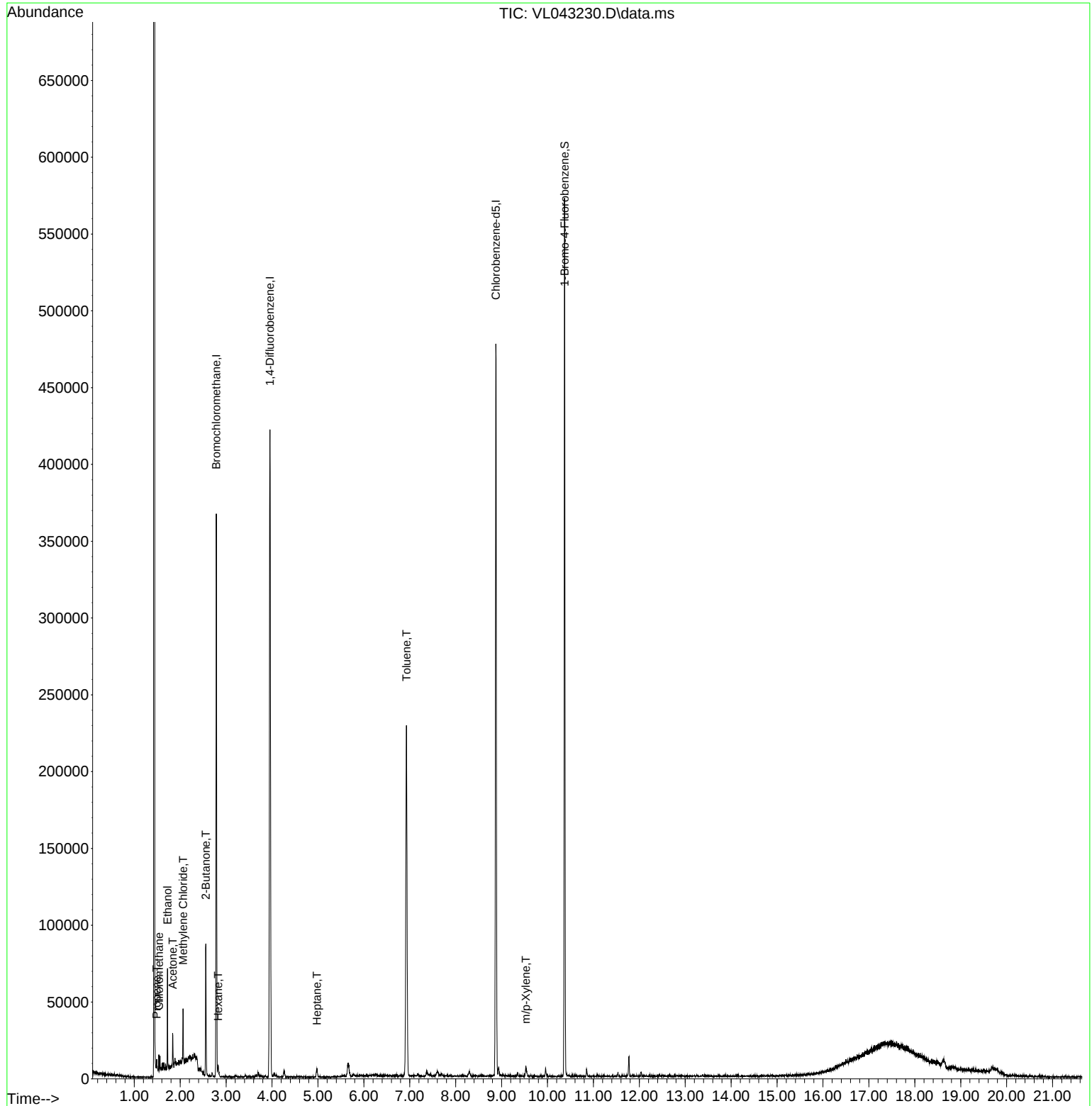
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043230.D
Acq On : 19 Nov 2025 00:44
Operator : SY/MD
Sample : Q3651-06DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

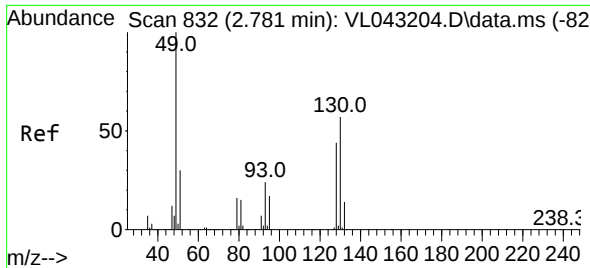
Instrument :
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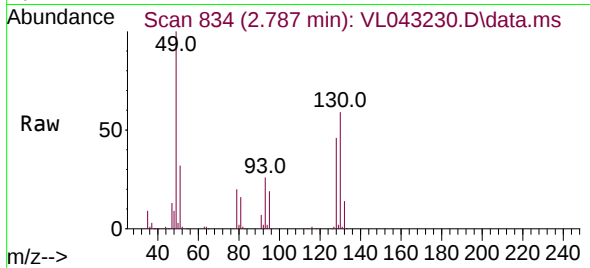
Quant Time: Nov 19 03:20:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 832
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

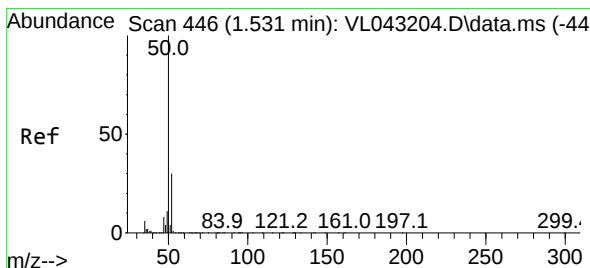
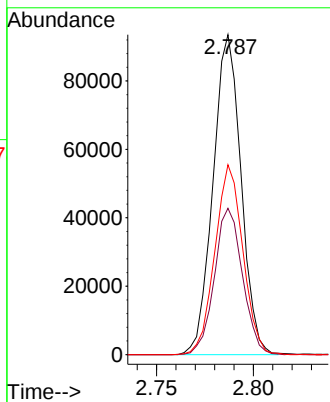
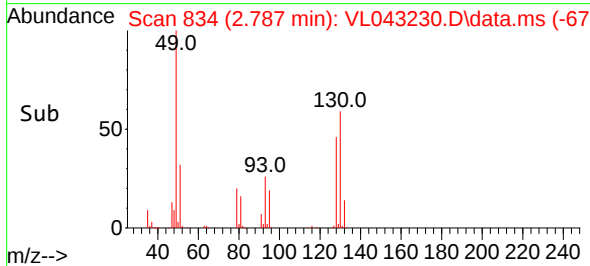
Instrument :
MSVOA_L
ClientSampleId :
IA3DL



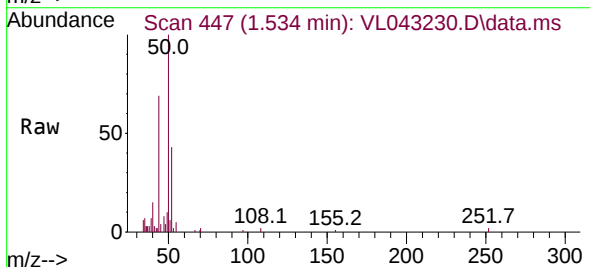
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Ion Ratio Lower Upper
49 100
128 45.8 23.0 69.0
130 59.3 29.9 89.7

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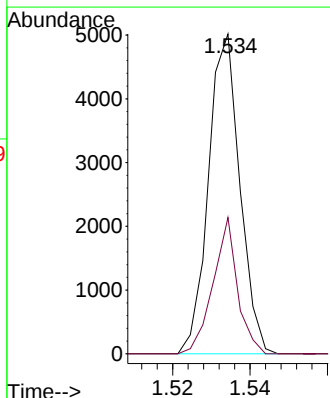
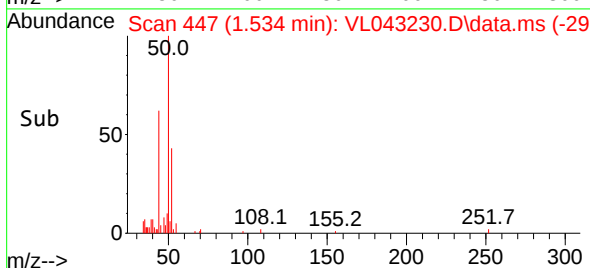
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

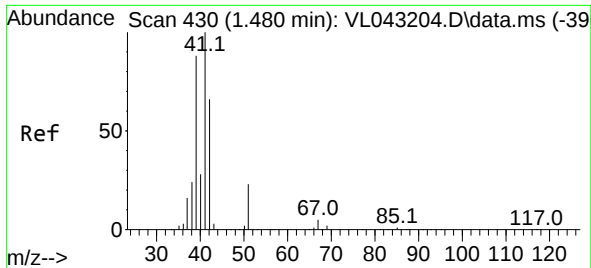


#4
Chloromethane
Concen: 0.569 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44



Tgt Ion: 50 Resp: 2829
Ion Ratio Lower Upper
50 100
52 42.6 24.1 36.1#





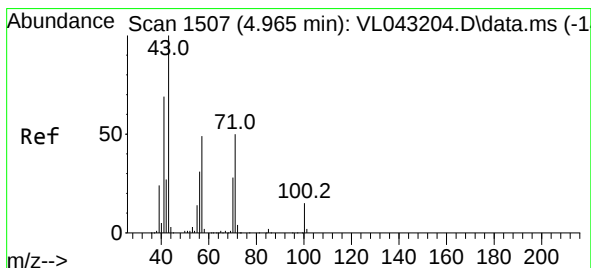
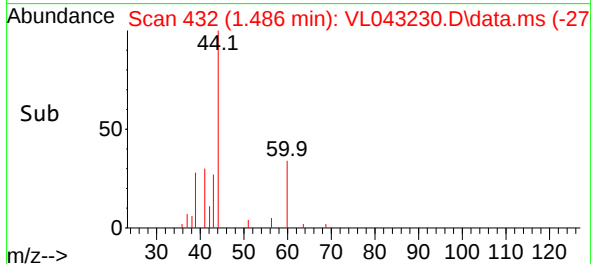
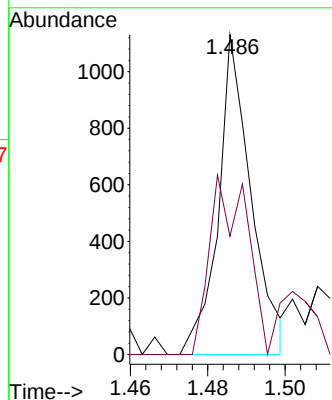
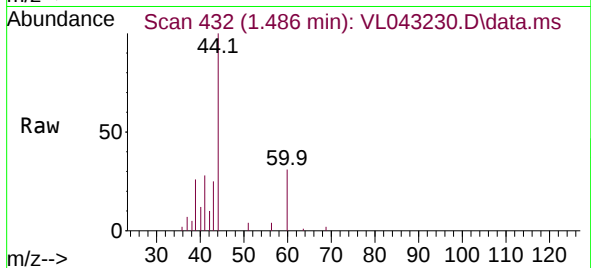
#9
 Propene
 Concen: 0.120 ppbv
 RT: 1.486 min Scan# 431
 Delta R.T. 0.006 min
 Lab File: VL043230.D
 Acq: 19 Nov 2025 00:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Tgt Ion: 41 Resp: 665
 Ion Ratio Lower Upper
 41 100
 42 63.9 3.7 5.5

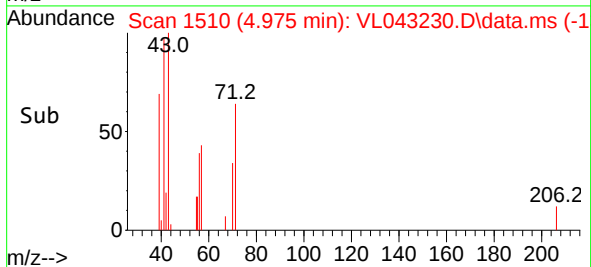
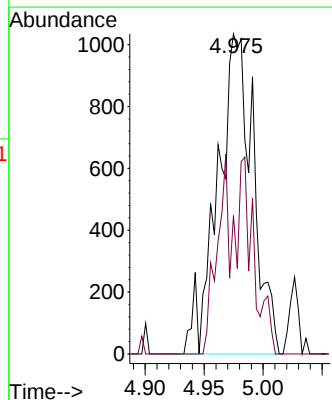
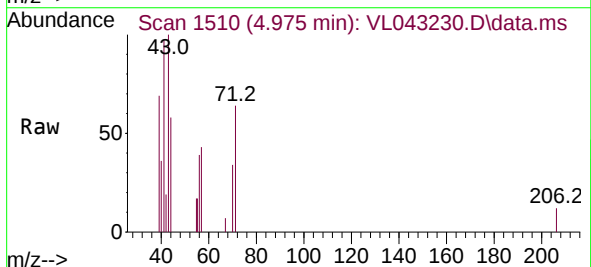
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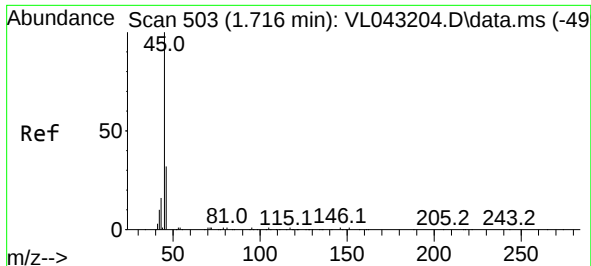
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#10
 Heptane
 Concen: 0.131 ppbv m
 RT: 4.975 min Scan# 1510
 Delta R.T. 0.009 min
 Lab File: VL043230.D
 Acq: 19 Nov 2025 00:44

Tgt Ion: 43 Resp: 2158
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.7 59.5





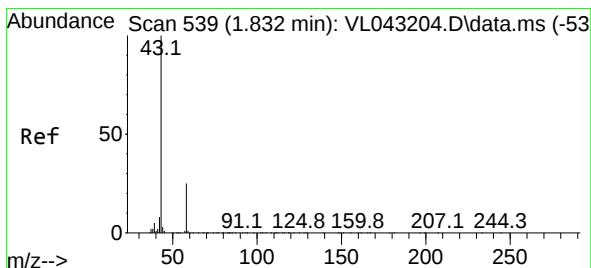
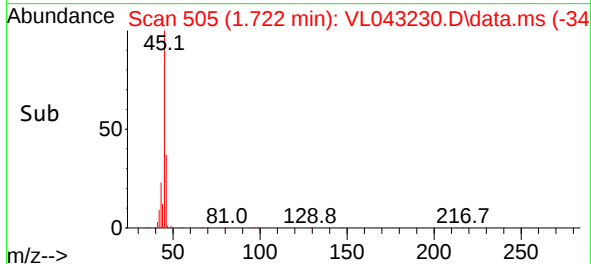
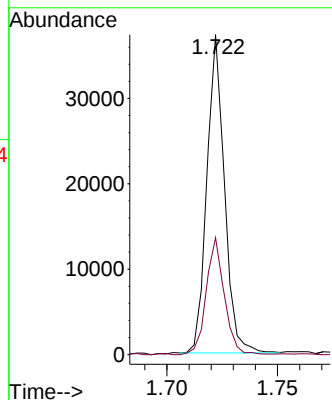
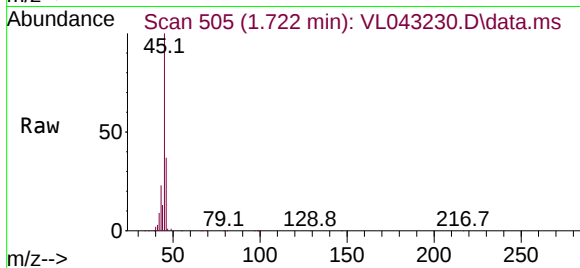
#13
Ethanol
Concen: 10.560 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 45 Resp: 2061
Ion Ratio Lower Upper
45 100
46 39.0 15.0 59.8

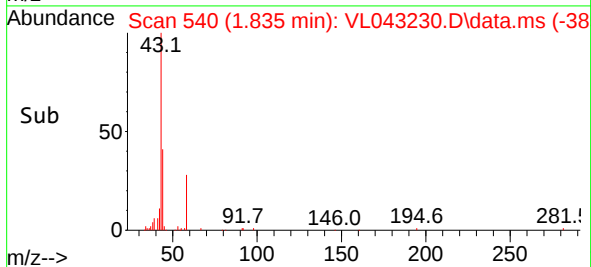
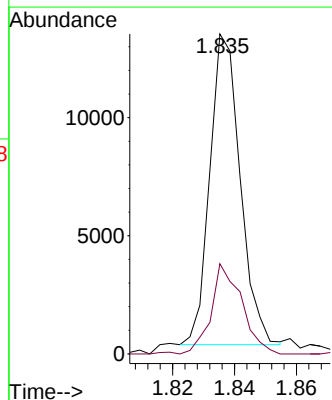
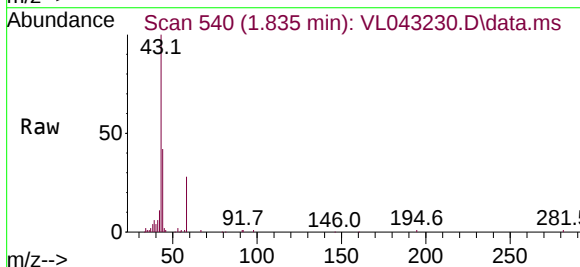
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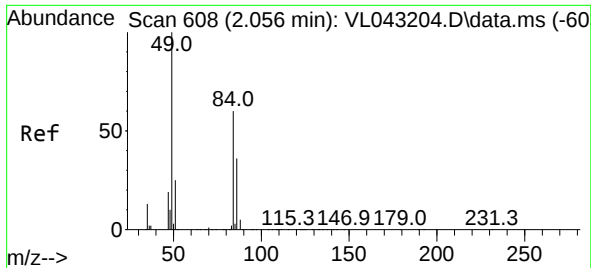
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#15
Acetone
Concen: 0.684 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

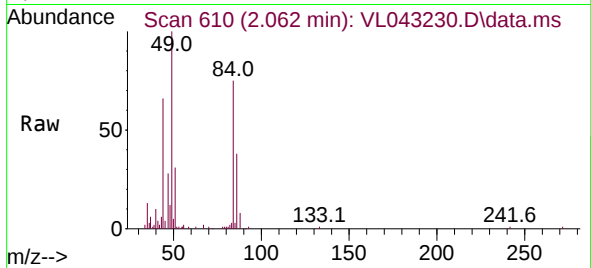
Tgt Ion: 43 Resp: 8957
Ion Ratio Lower Upper
43 100
58 29.7 20.7 31.1





#20
Methylene Chloride
Concen: 0.568 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

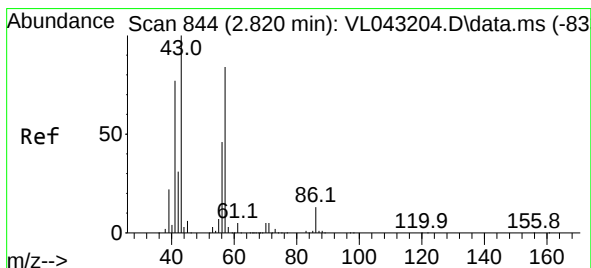
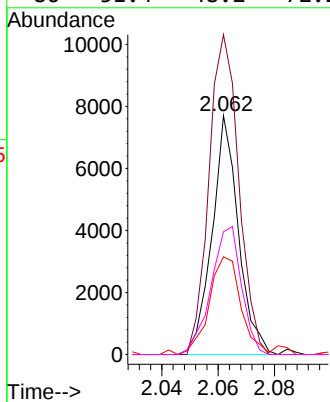
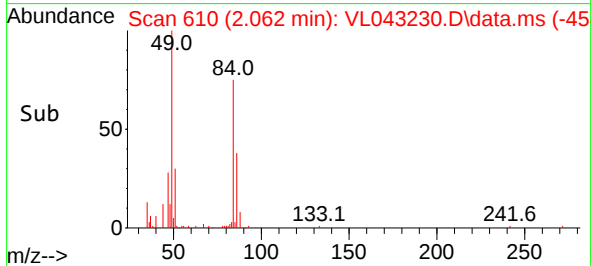
Instrument :
MSVOA_L
ClientSampleId :
IA3DL



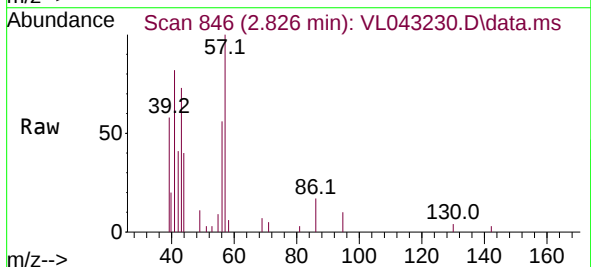
Tgt Ion: 84 Resp: 5048
Ion Ratio Lower Upper
84 100
49 133.9 132.9 199.3
51 42.1 34.8 52.2
86 51.4 48.2 72.2

Manual Integrations
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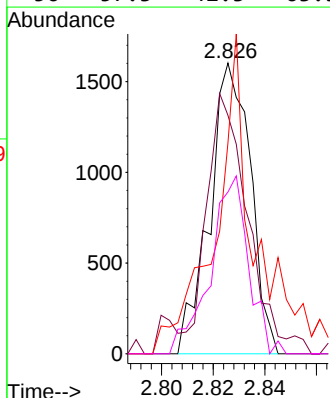
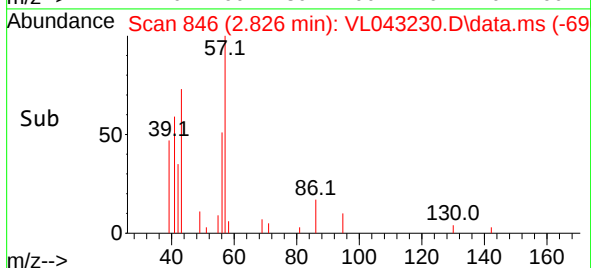
Reviewed By :Semsettin Yesilyurt 11/19/2025
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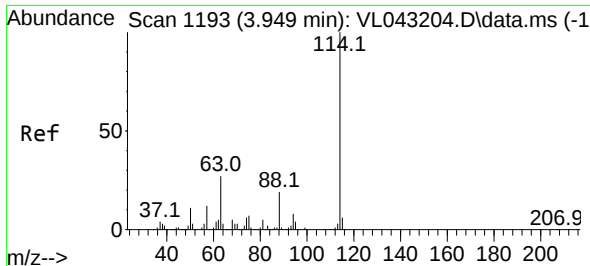


#26
Hexane
Concen: 0.142 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44



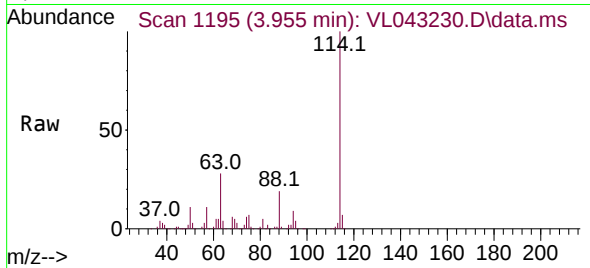
Tgt Ion: 57 Resp: 1760
Ion Ratio Lower Upper
57 100
41 101.3 74.6 111.8
43 111.3 179.0 268.4#
56 57.3 42.3 63.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

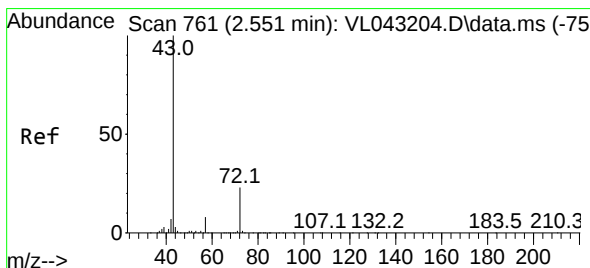
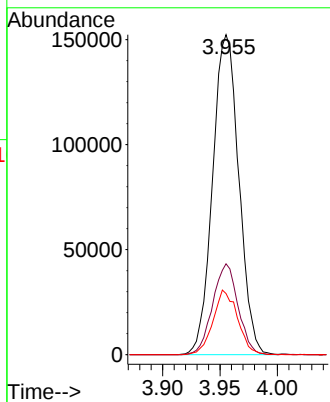
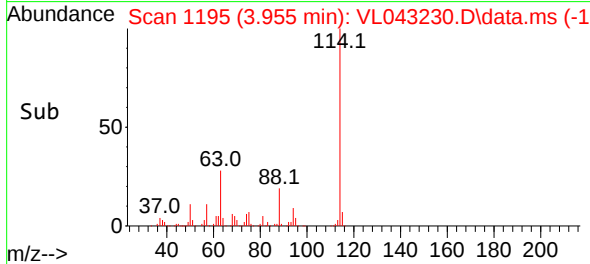
Instrument :
MSVOA_L
ClientSampleId :
IA3DL



Tgt Ion:114 Resp: 242243
Ion Ratio Lower Upper
114 100
63 27.5 21.0 31.6
88 18.8 14.9 22.3

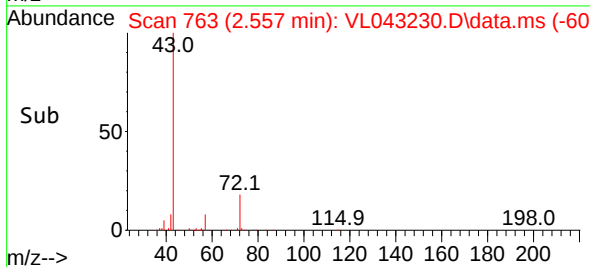
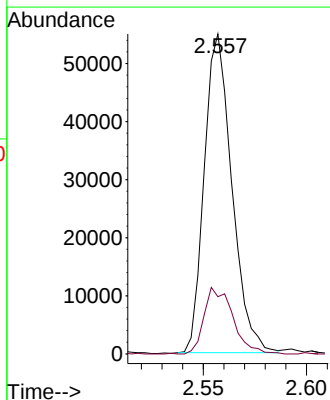
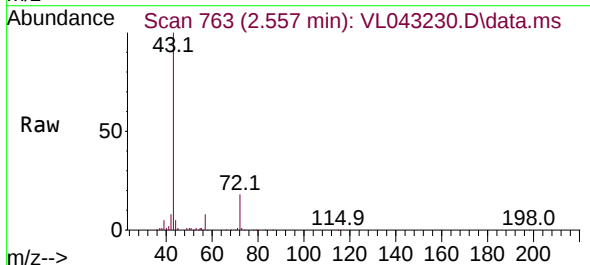
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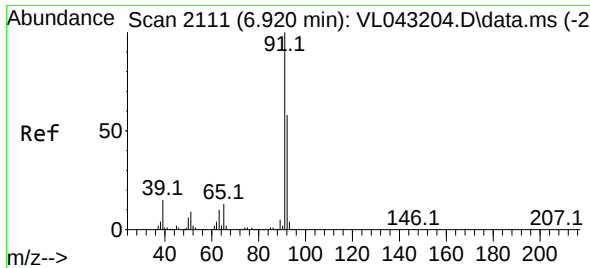
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#34
2-Butanone
Concen: 2.992 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 43 Resp: 51160
Ion Ratio Lower Upper
43 100
72 21.8 18.1 27.1





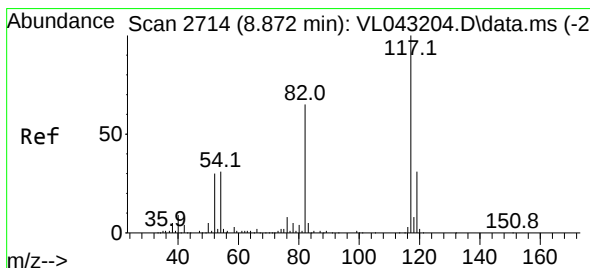
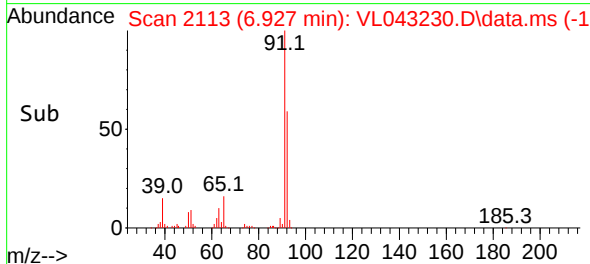
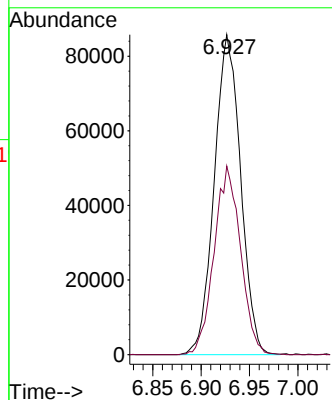
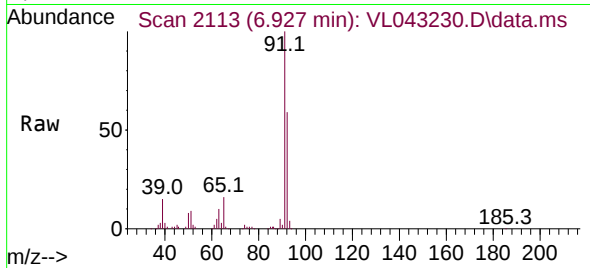
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Toluene
Concen: 5.912 ppbv
RT: 6.927 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 91 Resp: 162410
Ion Ratio Lower Upper
91 100
92 59.1 47.4 71.0

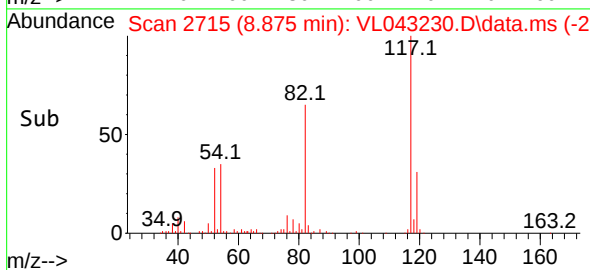
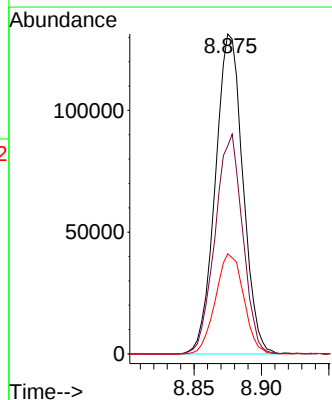
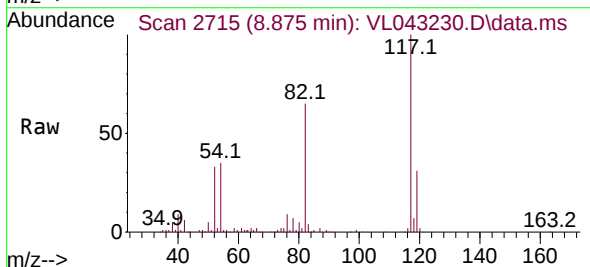
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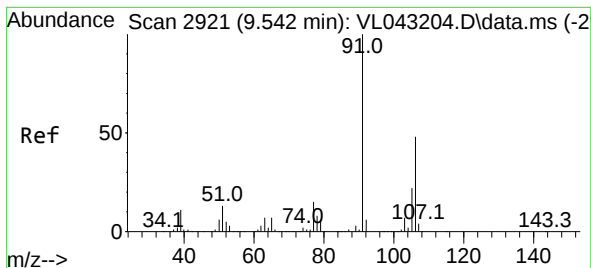
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion:117 Resp: 186991
Ion Ratio Lower Upper
117 100
82 68.7 56.1 84.1
119 32.0 25.0 37.6





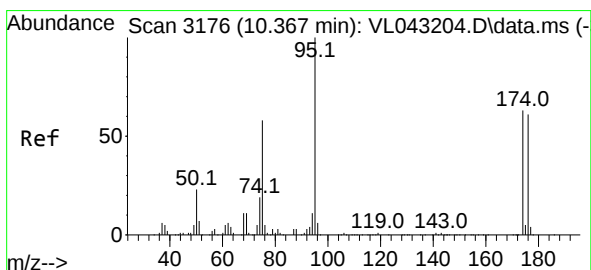
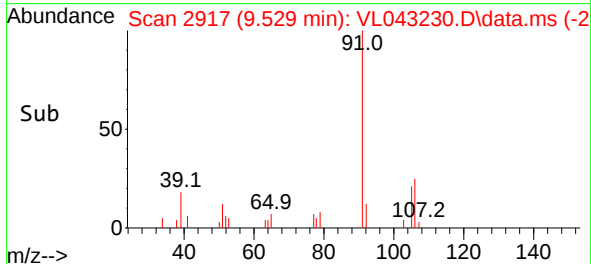
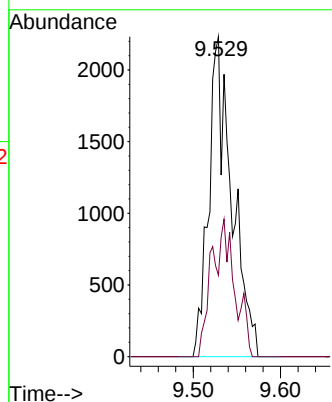
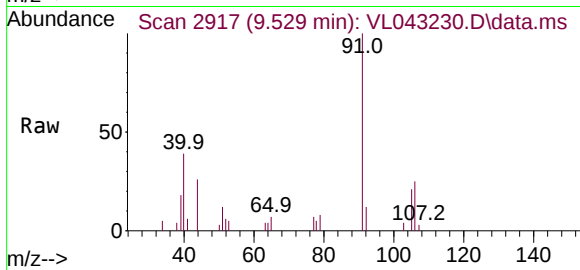
#59
m/p-Xylene
Concen: 0.142 ppbv
RT: 9.529 min Scan# 2921
Delta R.T. -0.013 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 91 Resp: 4088
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.358 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 95 Resp: 141972
Ion Ratio Lower Upper
95 100
174 57.4 50.2 75.2
175 4.4 4.1 6.1

