

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043288.D
 Acq On : 24 Nov 2025 18:20
 Operator : SY/MD
 Sample : Q3696-05 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

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

Quant Time: Nov 24 23:43:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	2.790	49	115982	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	303381	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	230111	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	165856	9.833	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.492	85	2423	0.148	ppbv	93
9) Propene	1.482	41	7825	1.145	ppbv #	1
11) Trichlorofluoromethane	1.871	101	19755m	1.246	ppbv	
13) Ethanol	1.722	45	4902	2.041	ppbv #	38
15) Acetone	1.839	43	40278	2.500	ppbv	100
20) Methylene Chloride	2.065	84	7516	0.866	ppbv	91
26) Hexane	2.829	57	5267m	0.346	ppbv	
29) Chloroform	2.852	83	533459	24.632	ppbv	99
34) 2-Butanone	2.560	43	3858	0.180	ppbv #	88
36) Benzene	3.654	78	5877	0.202	ppbv #	87
38) Trichloroethene	4.541	130	41684	3.667	ppbv	96
42) Bromodichloromethane	4.486	83	8283	0.353	ppbv #	92
52) Tetrachloroethene	8.215	164	92160	8.527	ppbv	98
53) Toluene	6.923	91	10148m	0.295	ppbv	
59) m/p-Xylene	9.522	91	8100m	0.228	ppbv	
74) 1,2,4-Trimethylbenzene	11.529	105	5843	0.148	ppbv #	45

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

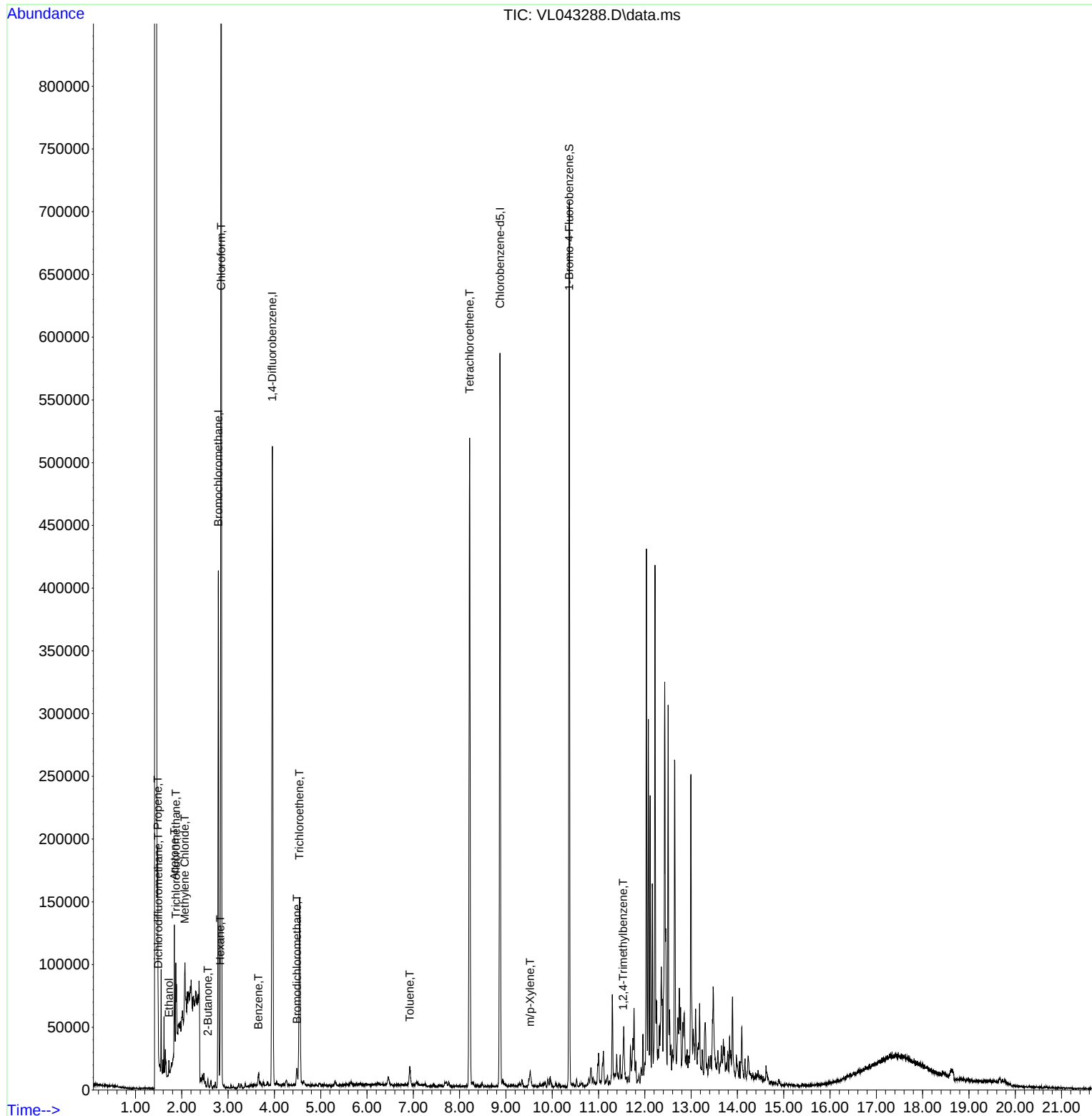
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043288.D
Acq On : 24 Nov 2025 18:20
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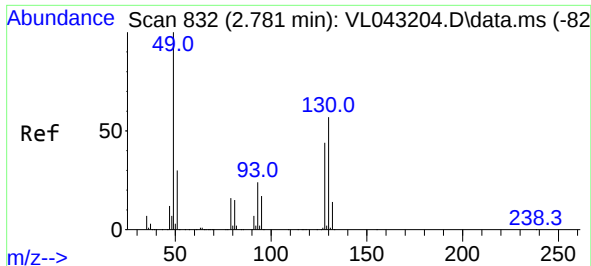
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: Nov 24 23:43:31 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

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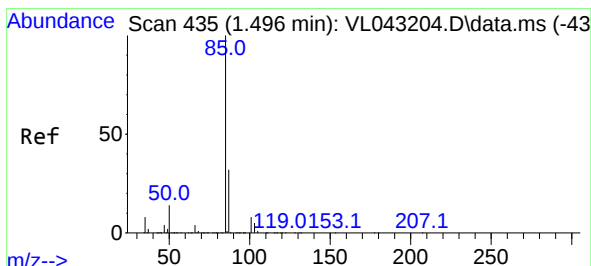
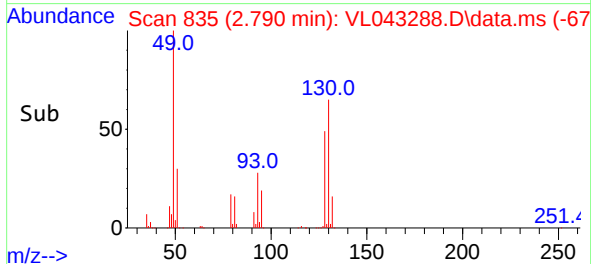
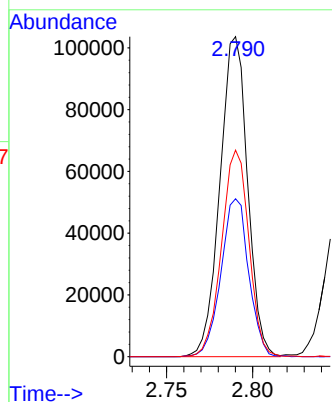
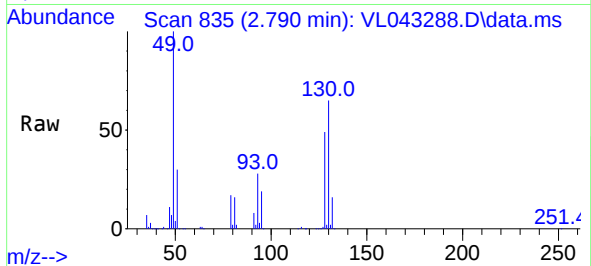
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 49 Resp: 11598
Ion Ratio Lower Upper
49 100
128 49.5 23.0 69.0
130 63.8 29.9 89.7

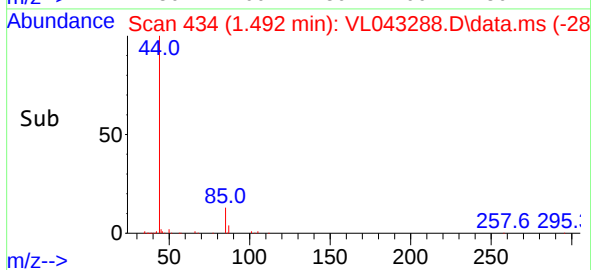
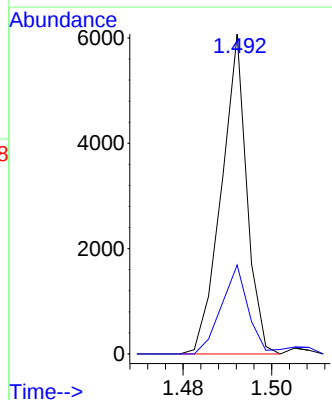
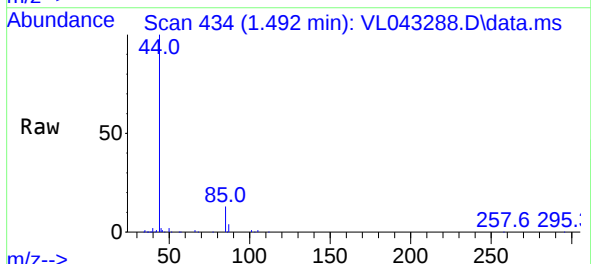
Manual Integrations
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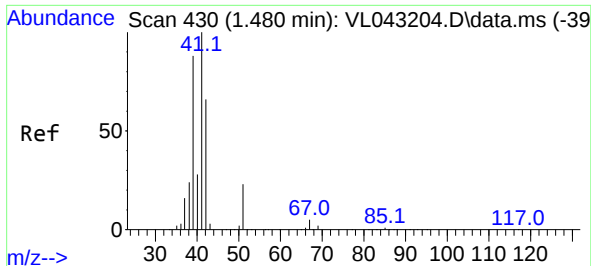
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#2
Dichlorodifluoromethane
Concen: 0.148 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.004 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Tgt Ion: 85 Resp: 2423
Ion Ratio Lower Upper
85 100
87 27.8 25.4 38.2





#9

Propene

Concen: 1.145 ppbv

RT: 1.482 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043288.D

Acq: 24 Nov 2025 18:20

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion: 41 Resp: 782

Ion Ratio Lower Upper

41 100

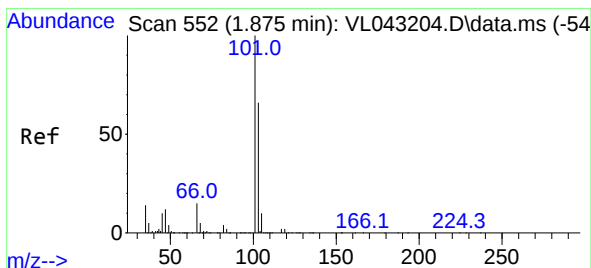
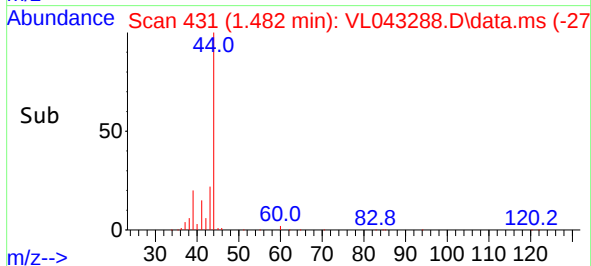
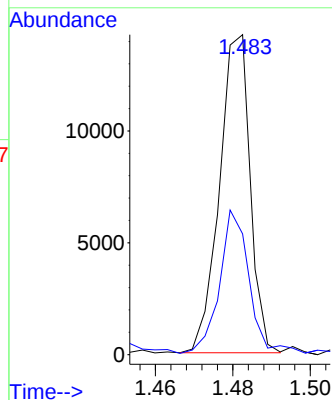
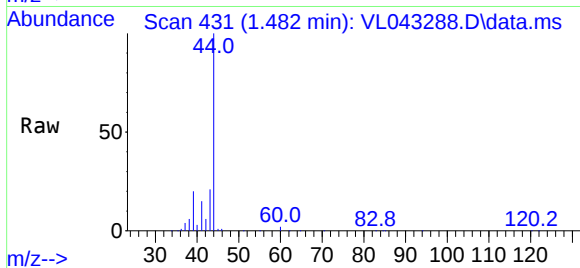
42 47.8 3.7 5.5

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 1.246 ppbv m

RT: 1.871 min Scan# 551

Delta R.T. -0.004 min

Lab File: VL043288.D

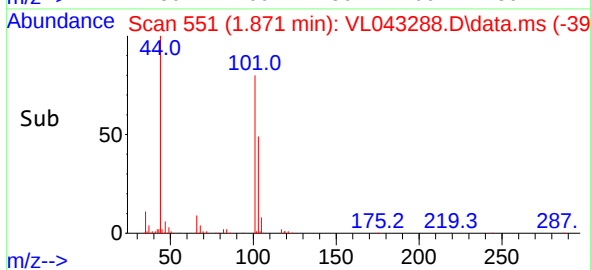
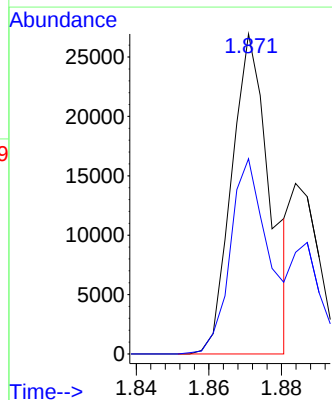
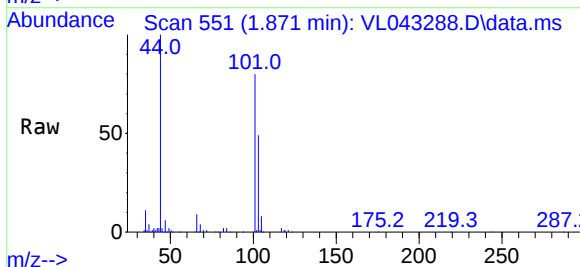
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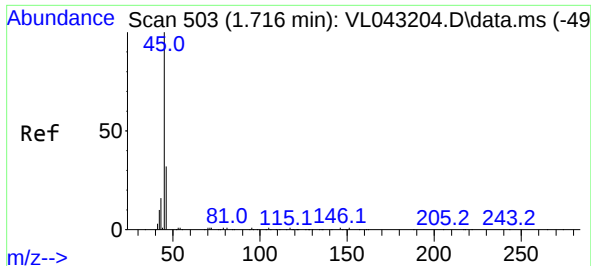
Tgt Ion:101 Resp: 19755

Ion Ratio Lower Upper

101 100

103 61.0 52.6 79.0





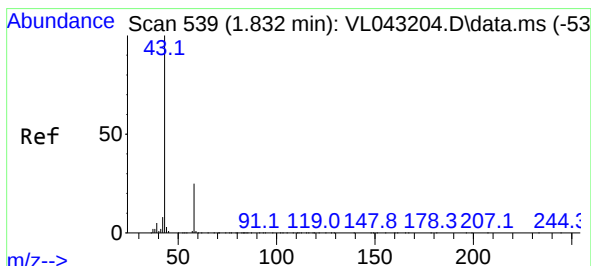
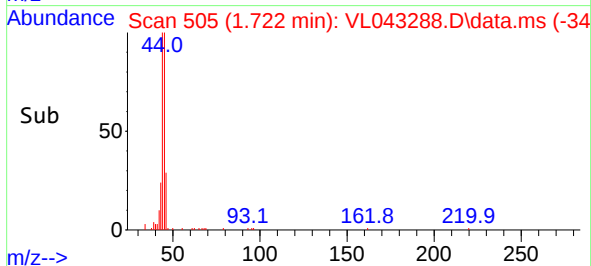
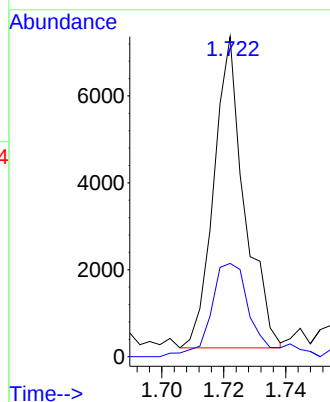
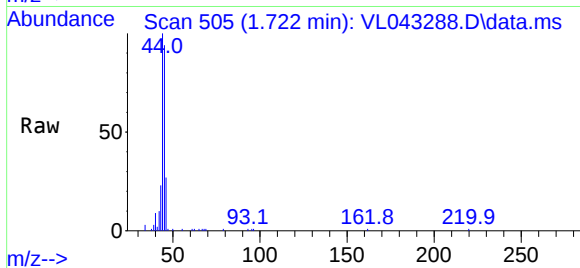
#13
Ethanol
Concen: 2.041 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.006 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 45 Resp: 4902
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

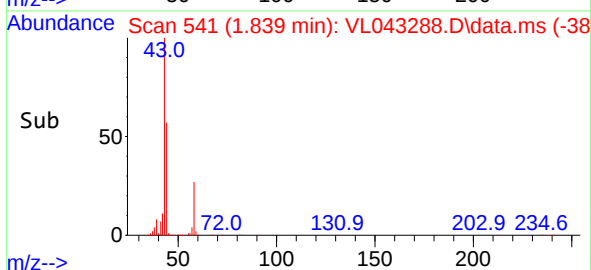
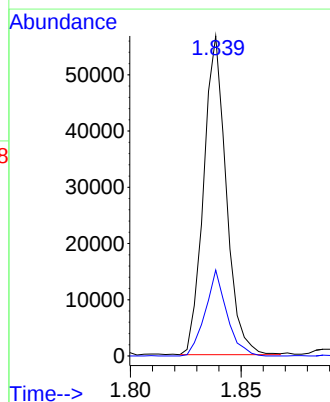
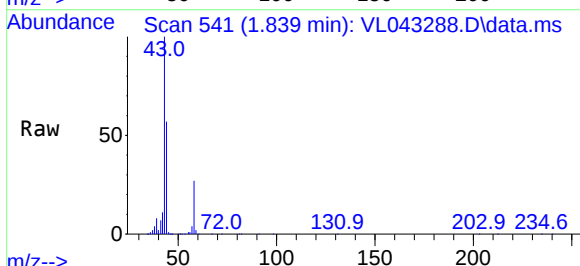
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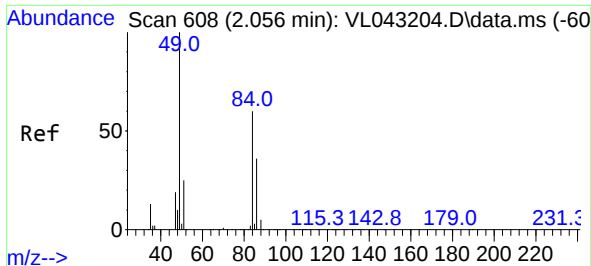
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#15
Acetone
Concen: 2.500 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

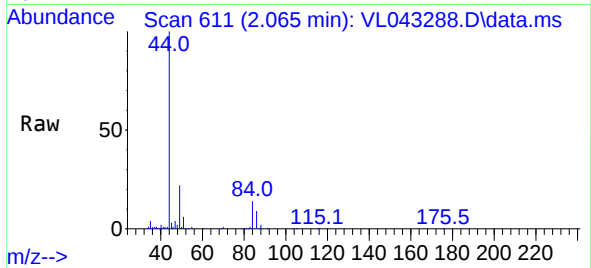
Tgt Ion: 43 Resp: 40278
Ion Ratio Lower Upper
43 100
58 25.8 20.7 31.1





#20
Methylene Chloride
Concen: 0.866 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

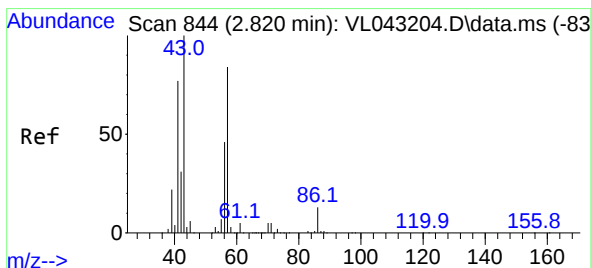
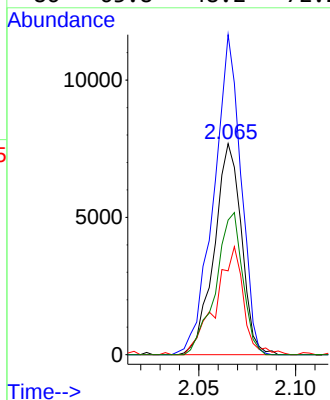
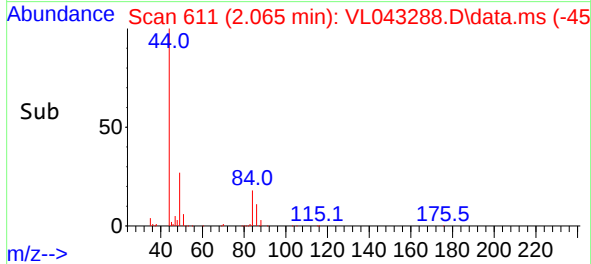
Instrument :
MSVOA_L
ClientSampleId :
SV3



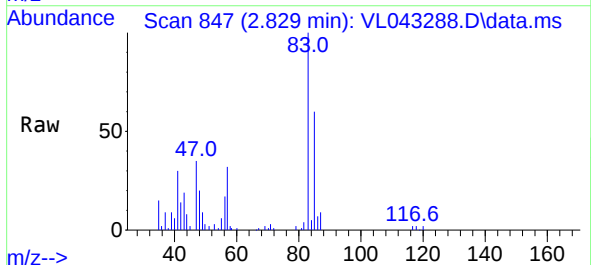
Tgt Ion: 84 Resp: 7510
Ion Ratio Lower Upper
84 100
49 151.6 132.9 199.3
51 39.7 34.8 52.2
86 63.8 48.2 72.2

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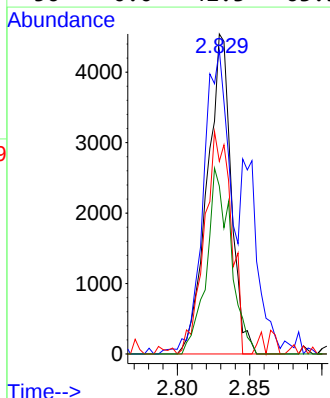
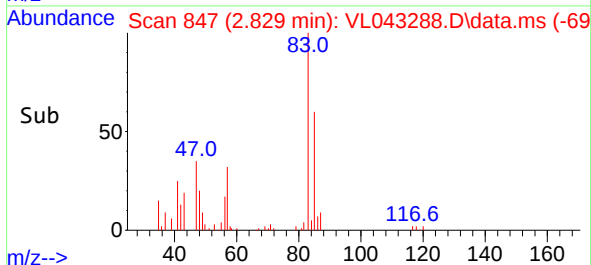
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

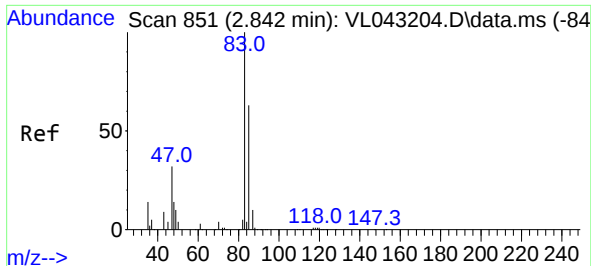


#26
Hexane
Concen: 0.346 ppbv m
RT: 2.829 min Scan# 847
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20



Tgt Ion: 57 Resp: 5267
Ion Ratio Lower Upper
57 100
41 0.0 74.6 111.8#
43 0.0 179.0 268.4#
56 0.0 42.3 63.5#





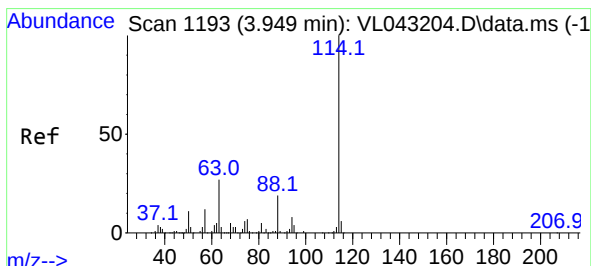
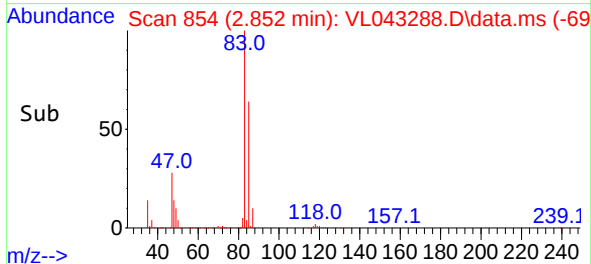
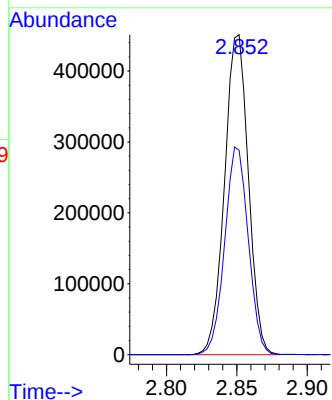
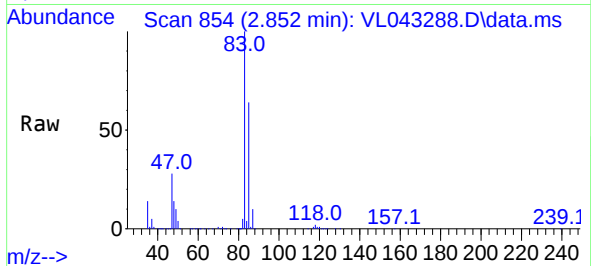
#29
Chloroform
Concen: 24.632 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 83 Resp: 53345
Ion Ratio Lower Upper
83 100
85 63.9 50.5 75.7

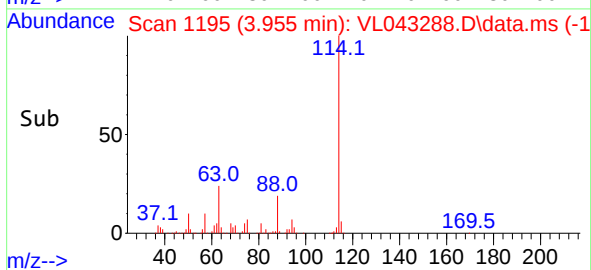
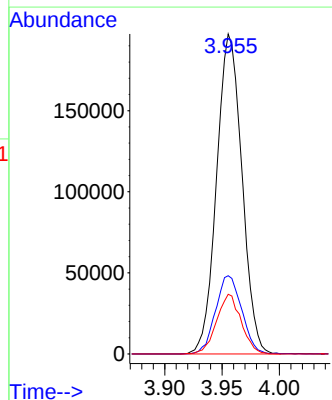
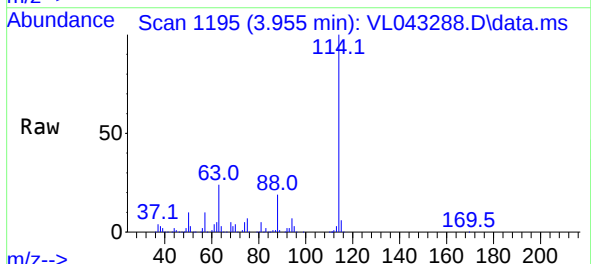
Manual Integrations
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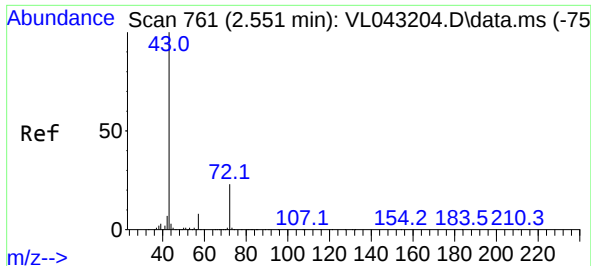
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

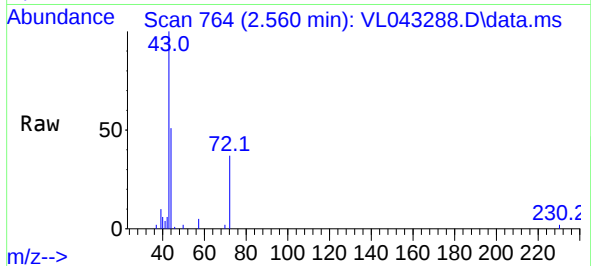
Tgt Ion:114 Resp: 303381
Ion Ratio Lower Upper
114 100
63 25.3 21.0 31.6
88 18.1 14.9 22.3





#34
2-Butanone
Concen: 0.180 ppbv
RT: 2.560 min Scan# 70
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

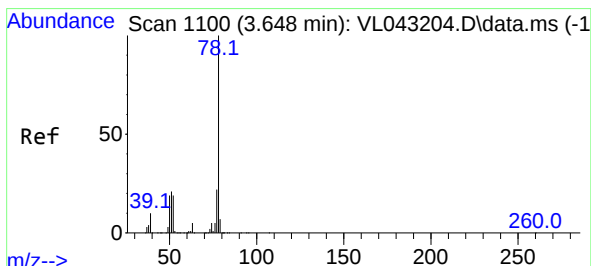
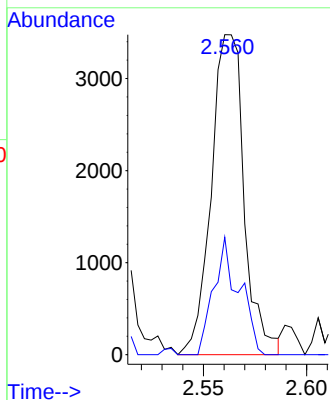
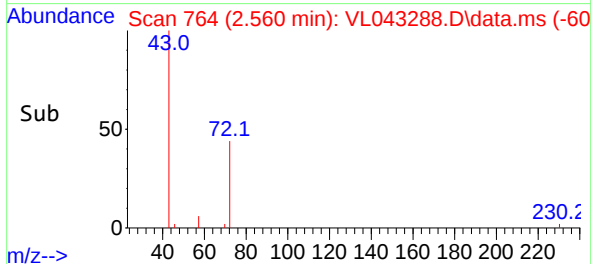
Instrument :
MSVOA_L
ClientSampleId :
SV3



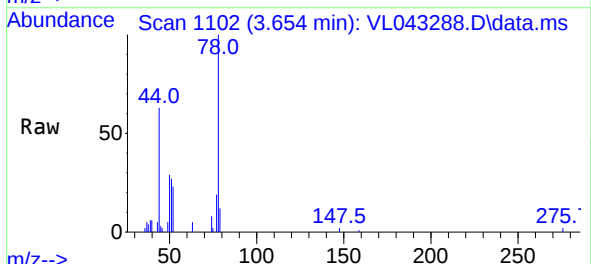
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
72 28.5 18.1 27.1

Manual Integrations
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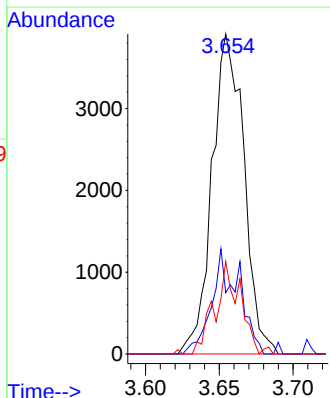
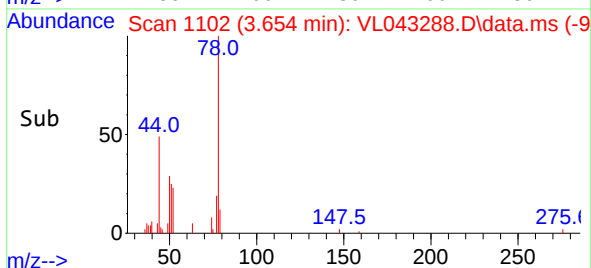
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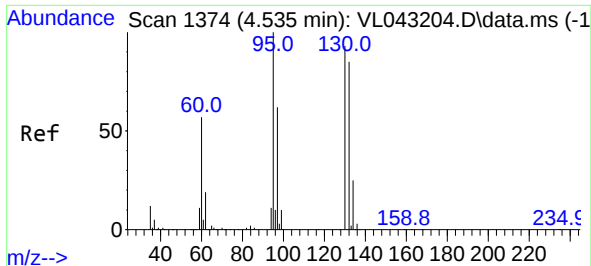


#36
Benzene
Concen: 0.202 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20



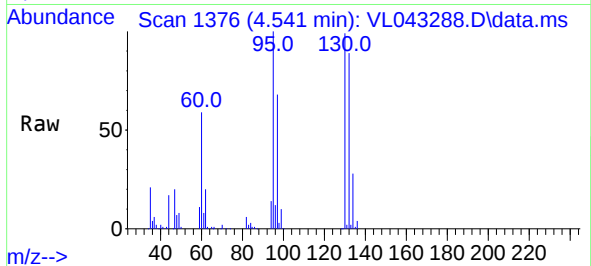
Tgt Ion: 78 Resp: 5877
Ion Ratio Lower Upper
78 100
77 19.1 17.5 26.3
50 28.9 15.5 23.3





#38
 Trichloroethene
 Concen: 3.667 ppbv
 RT: 4.541 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL043288.D
 Acq: 24 Nov 2025 18:20

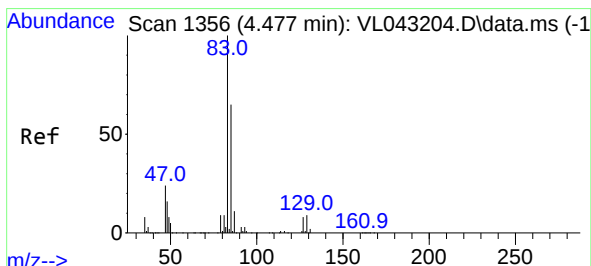
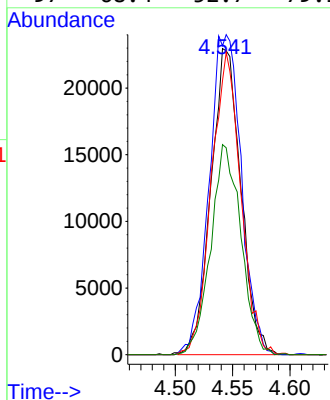
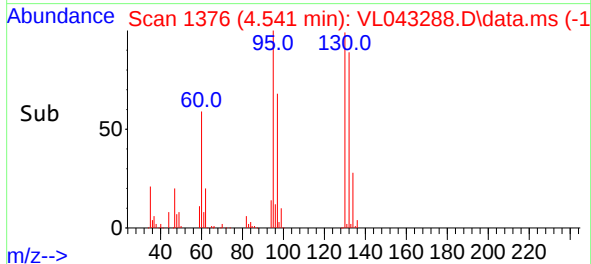
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3



Tgt Ion:130 Resp: 41684
 Ion Ratio Lower Upper
 130 100
 95 100.7 85.7 128.5
 132 89.3 73.4 110.0
 97 68.4 52.7 79.1

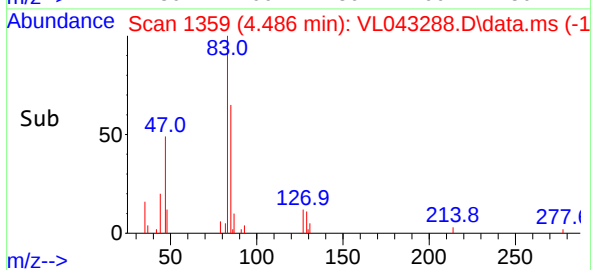
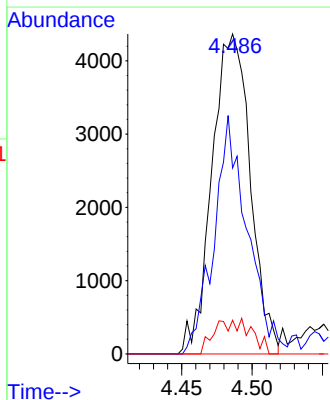
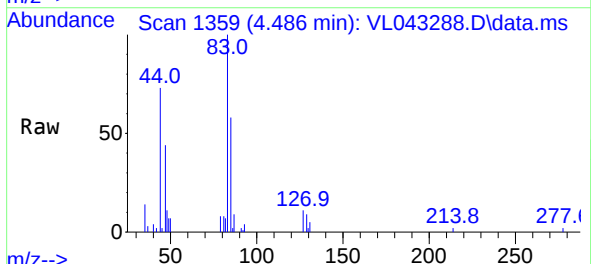
Manual Integrations
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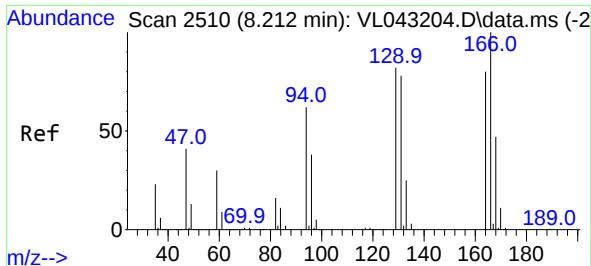
Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025



#42
 Bromodichloromethane
 Concen: 0.353 ppbv
 RT: 4.486 min Scan# 1359
 Delta R.T. 0.009 min
 Lab File: VL043288.D
 Acq: 24 Nov 2025 18:20

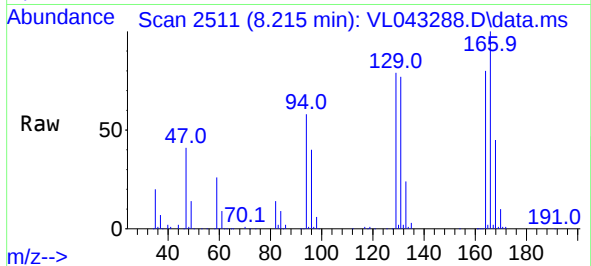
Tgt Ion: 83 Resp: 8283
 Ion Ratio Lower Upper
 83 100
 85 58.1 51.7 77.5
 127 10.6 6.3 9.5





#52
Tetrachloroethene
Concen: 8.527 ppbv
RT: 8.215 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

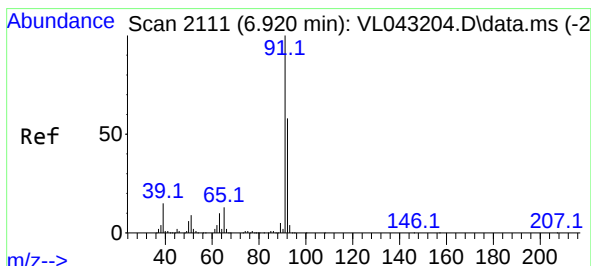
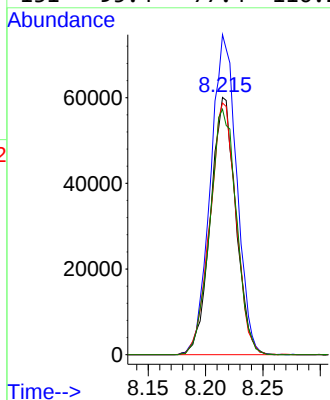
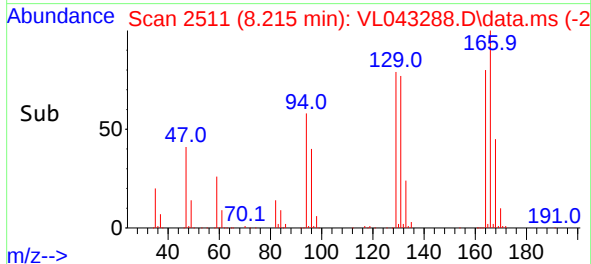
Instrument :
MSVOA_L
ClientSampleId :
SV3



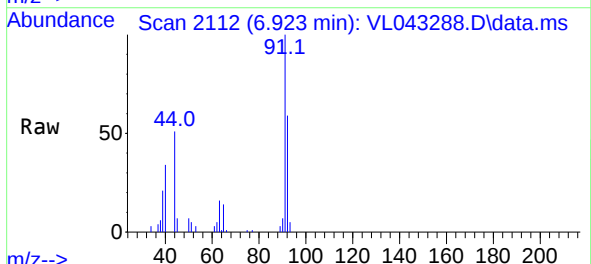
Tgt Ion:164 Resp: 92160
Ion Ratio Lower Upper
164 100
166 124.2 99.4 149.2
129 97.8 81.8 122.8
131 95.4 77.4 116.2

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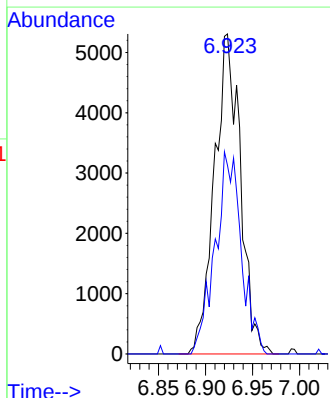
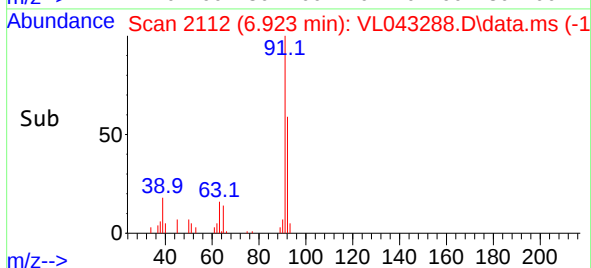
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

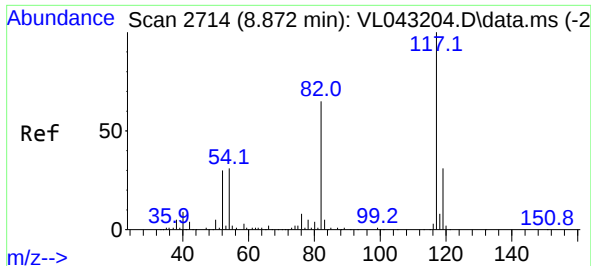


#53
Toluene
Concen: 0.295 ppbv m
RT: 6.923 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20



Tgt Ion: 91 Resp: 10148
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.872 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VL043288.D

Acq: 24 Nov 2025 18:20

Instrument :

MSVOA_L

ClientSampleId :

SV3

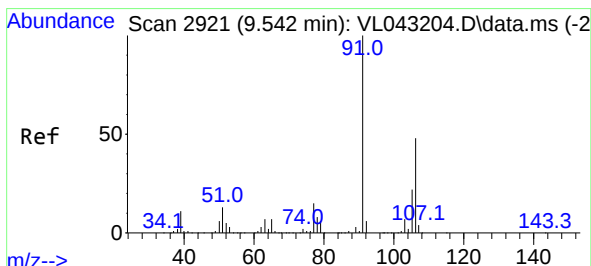
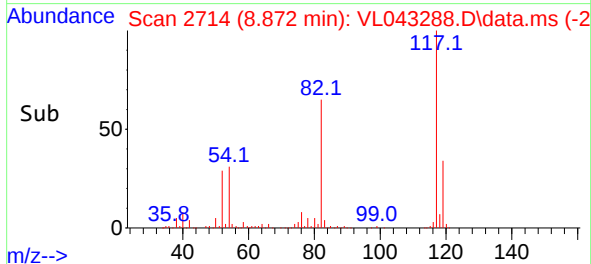
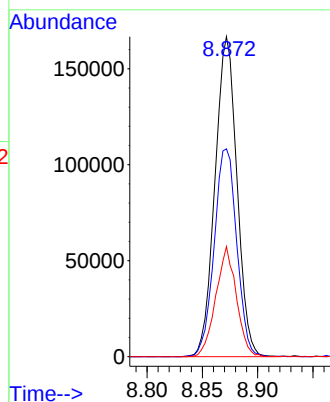
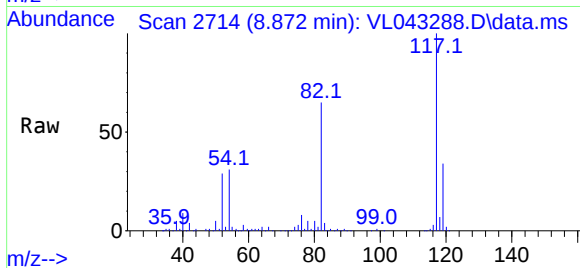
Tgt Ion:117 Resp: 23011

Ion	Ratio	Lower	Upper
117	100		
82	66.7	56.1	84.1
119	32.3	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: 0.228 ppbv m

RT: 9.522 min Scan# 2915

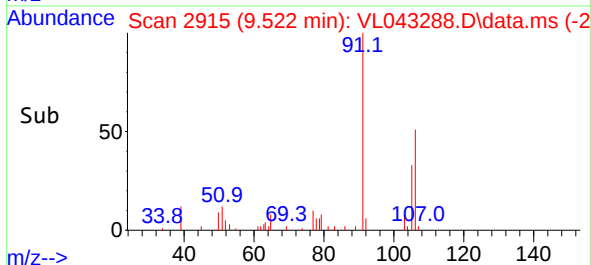
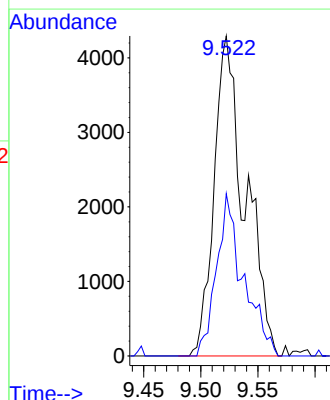
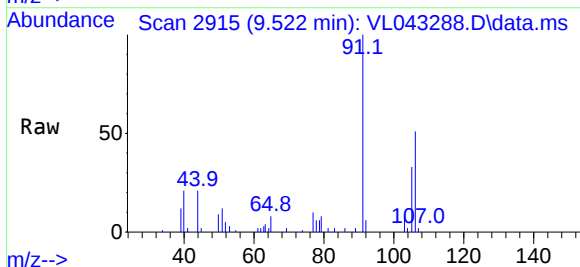
Delta R.T. -0.020 min

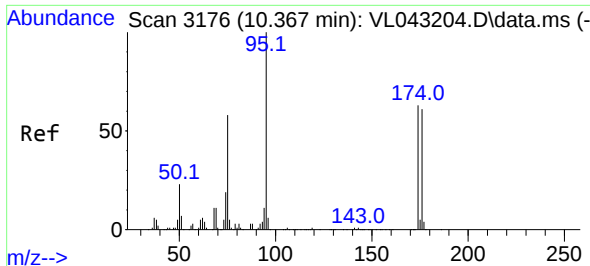
Lab File: VL043288.D

Acq: 24 Nov 2025 18:20

Tgt Ion: 91 Resp: 8100

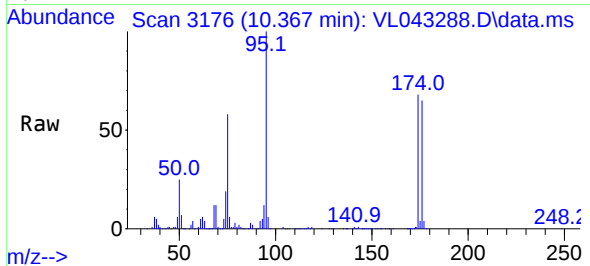
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.833 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

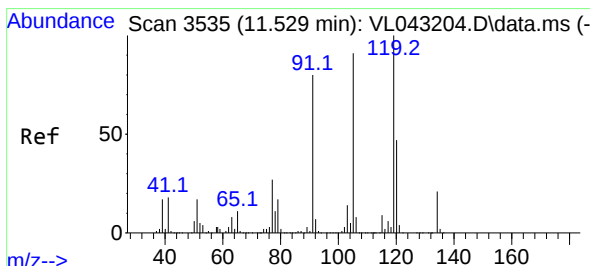
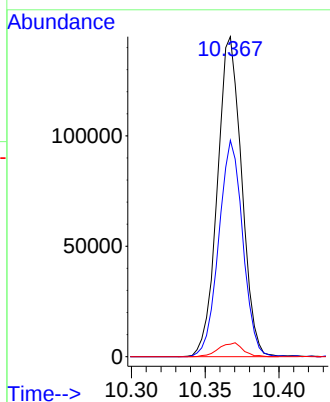
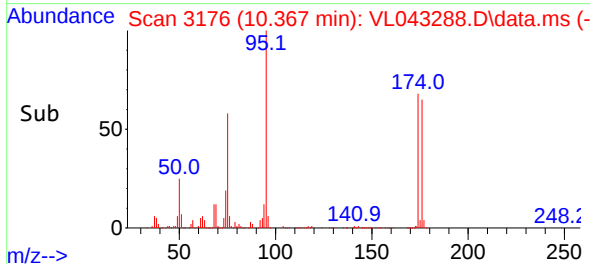
Instrument :
MSVOA_L
ClientSampleId :
SV3



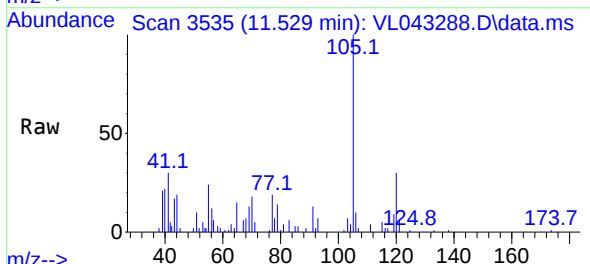
Tgt Ion: 95 Resp: 165850
Ion Ratio Lower Upper
95 100
174 67.2 50.2 75.2
175 4.3 4.1 6.1

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.148 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20



Tgt Ion:105 Resp: 5843
Ion Ratio Lower Upper
105 100
120 29.6 41.7 62.5#
91 12.7 70.0 105.0#
77 18.8 23.8 35.8#

