

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043037.D
 Acq On : 02 Oct 2025 13:07
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:05:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	172214	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	493591	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	408184	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	280877	9.552	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.573	62	296	0.029	ppbv #	78
32) 1,1,1-Trichloroethane	3.353	97	1314m	0.034	ppbv	
35) Carbon Tetrachloride	3.748	117	1490m	0.037	ppbv	
38) Trichloroethene	4.525	130	525m	0.027	ppbv	
52) Tetrachloroethene	8.205	164	628m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.947	83	1322	0.035	ppbv	96

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

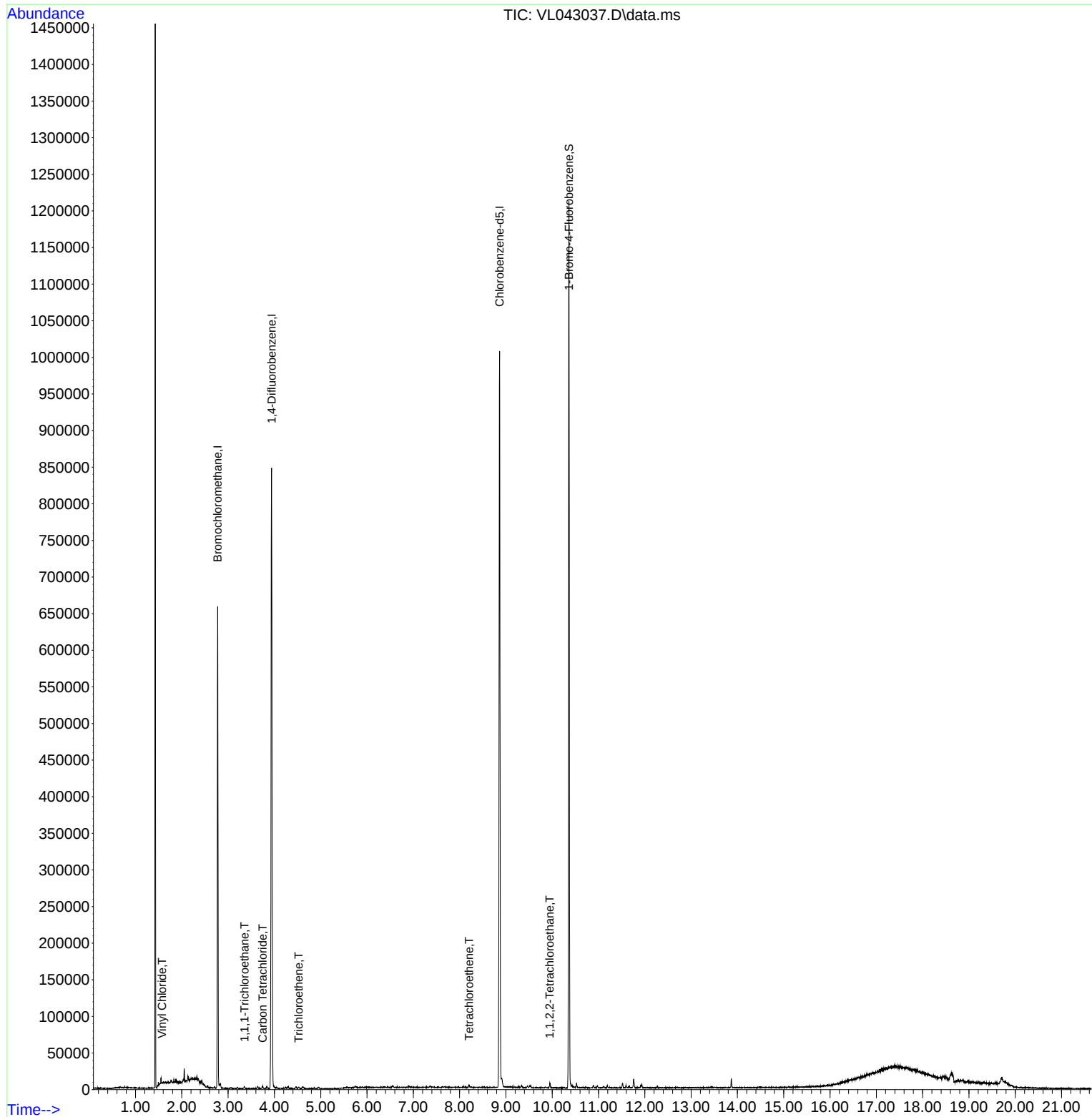
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
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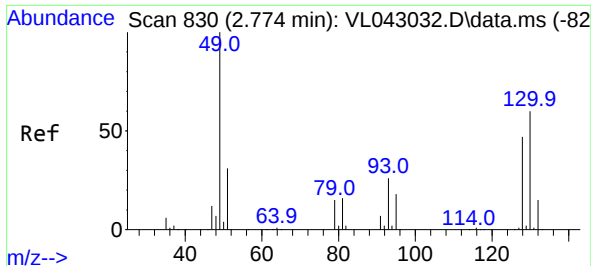
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 03 08:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 07:59:23 2025
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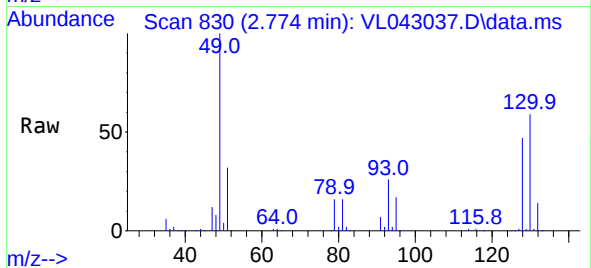
Reviewed By : Semsettin Yesilyurt 10/03/2025
Supervised By : Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07

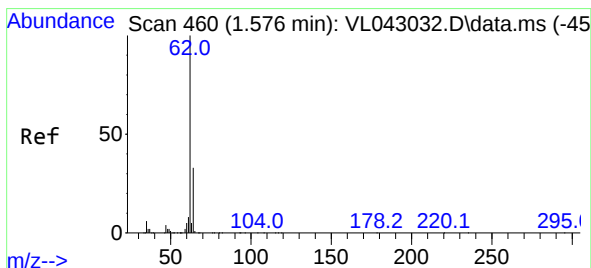
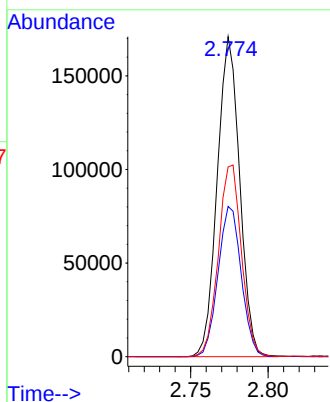
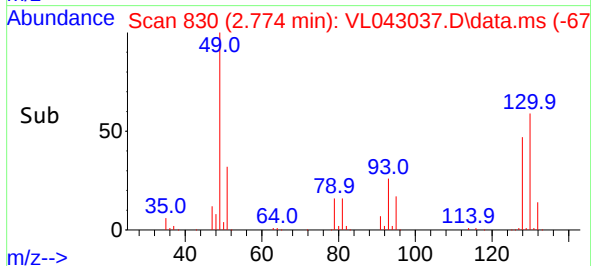
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



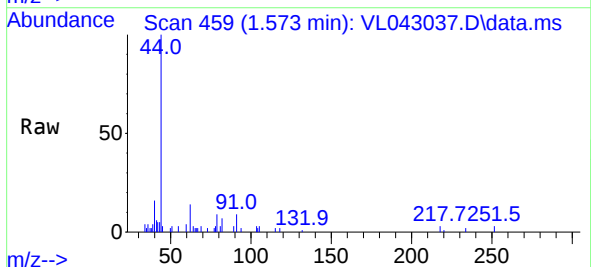
Tgt Ion: 49 Resp: 172214
Ion Ratio Lower Upper
49 100
128 48.6 24.1 72.2
130 61.9 31.4 94.3

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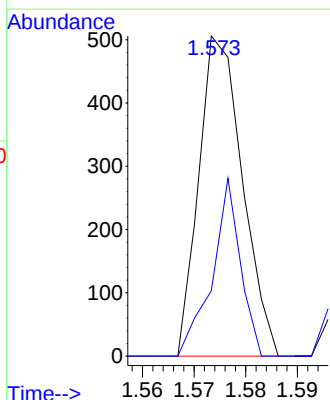
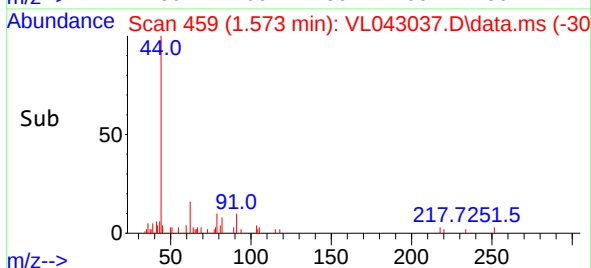
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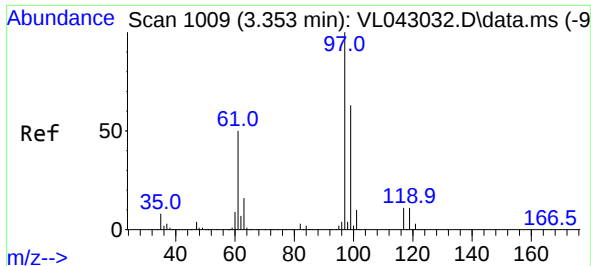


#5
Vinyl Chloride
Concen: 0.029 ppbv
RT: 1.573 min Scan# 459
Delta R.T. -0.003 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07



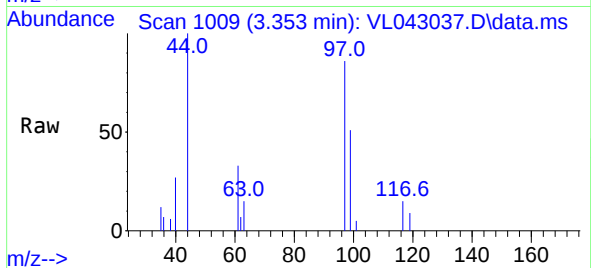
Tgt Ion: 62 Resp: 296
Ion Ratio Lower Upper
62 100
64 20.4 26.2 39.2#





#32
1,1,1-Trichloroethane
Concen: 0.034 ppbv m
RT: 3.353 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07

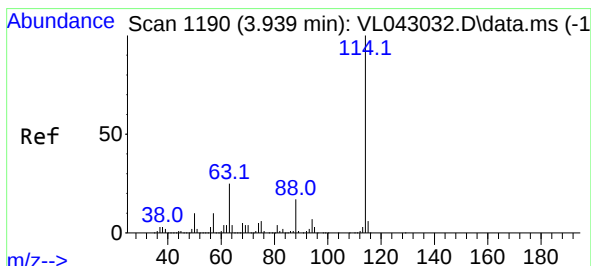
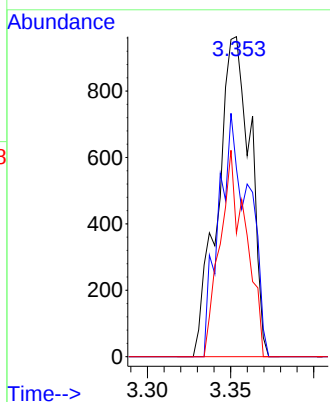
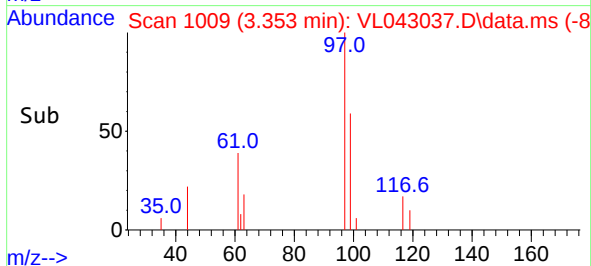
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



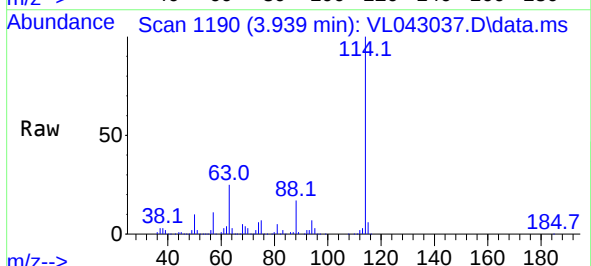
Tgt Ion: 97 Resp: 1314
Ion Ratio Lower Upper
97 100
99 70.7 51.2 76.8
61 51.0 40.1 60.1

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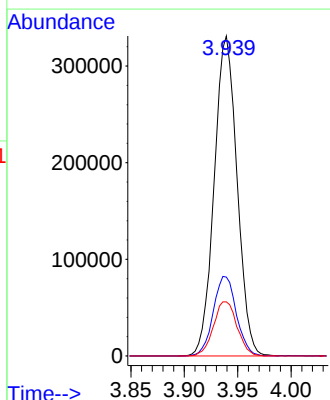
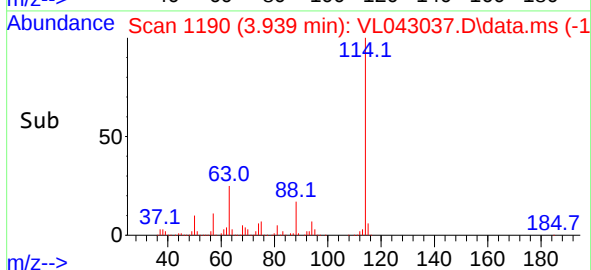
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Supervised By :Mahesh Dadoda 10/10/2025

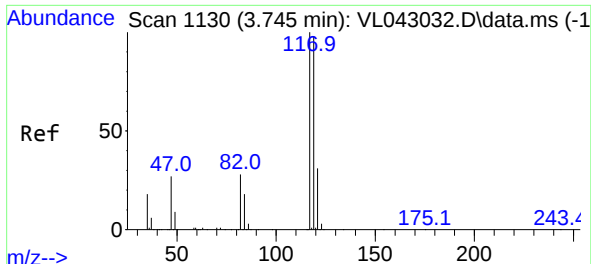


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. 0.000 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07



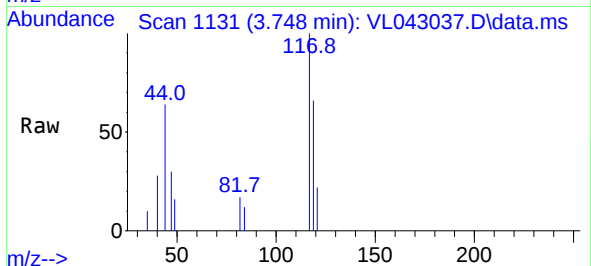
Tgt Ion:114 Resp: 493591
Ion Ratio Lower Upper
114 100
63 25.3 19.4 29.2
88 17.6 13.9 20.9





#35
Carbon Tetrachloride
Concen: 0.037 ppbv m
RT: 3.748 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07

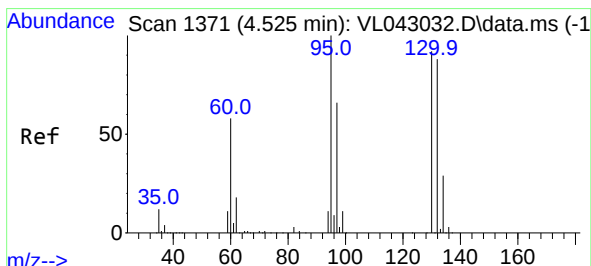
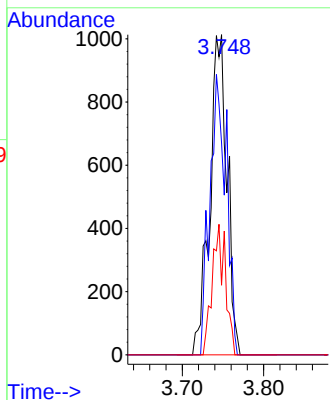
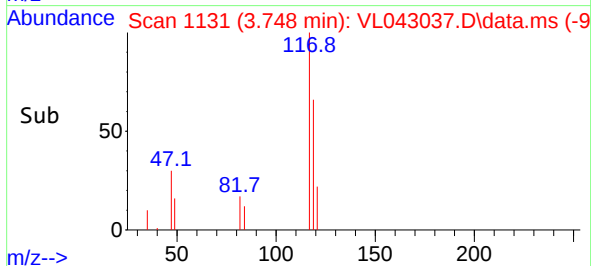
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion:117 Resp: 1490
Ion Ratio Lower Upper
117 100
119 66.2 78.2 117.4
121 21.7 24.8 37.2

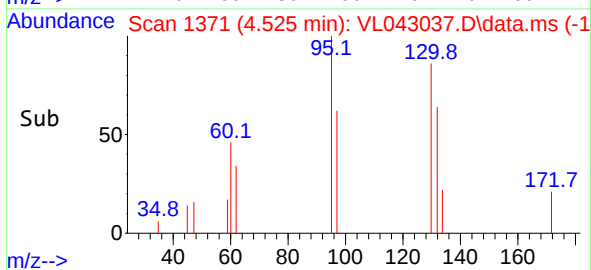
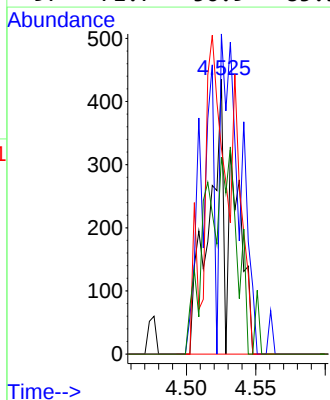
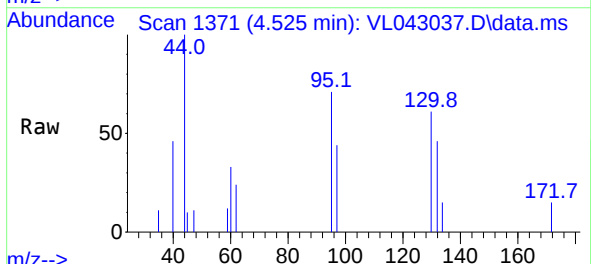
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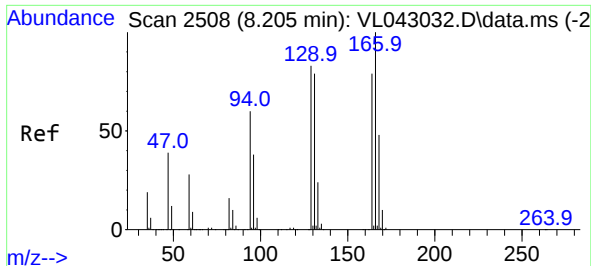
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#38
Trichloroethene
Concen: 0.027 ppbv m
RT: 4.525 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07

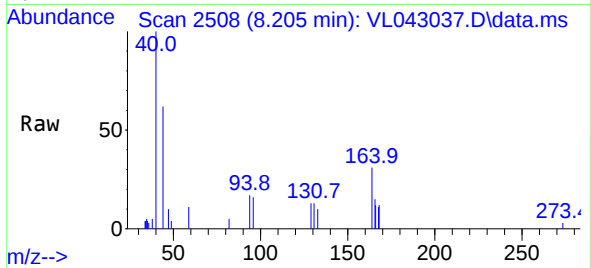
Tgt Ion:130 Resp: 525
Ion Ratio Lower Upper
130 100
95 116.6 86.4 129.6
132 74.9 75.7 113.5
97 71.7 56.9 85.3





#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 8.205 min Scan# 2508
Delta R.T. 0.000 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07

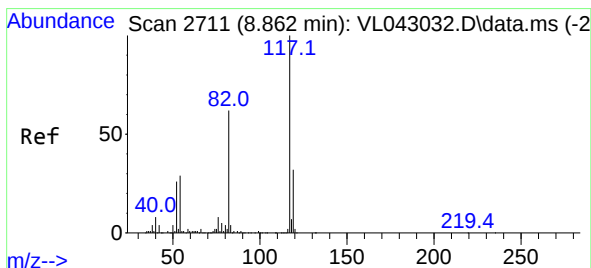
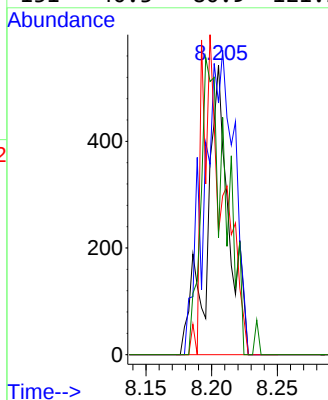
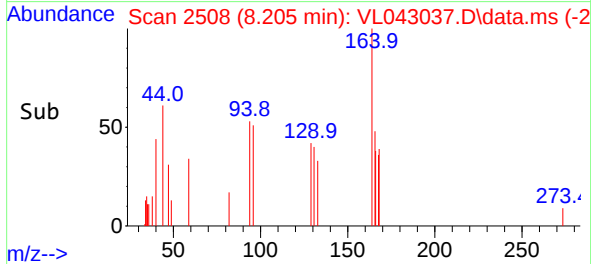
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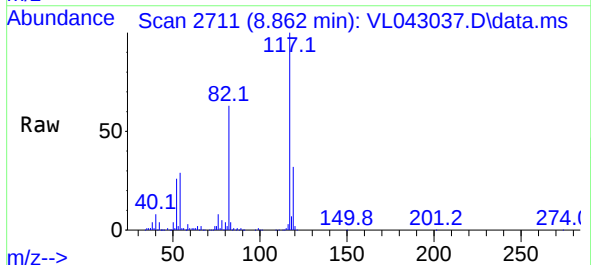
Tgt Ion:164 Resp: 628
Ion Ratio Lower Upper
164 100
166 48.4 101.8 152.8
129 42.4 84.5 126.7
131 40.3 80.9 121.3

Manual Integrations
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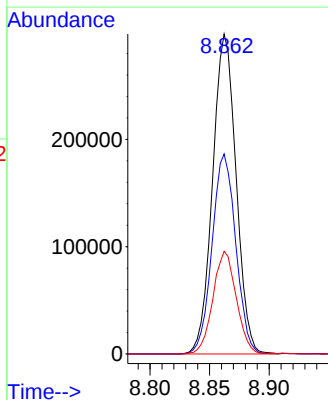
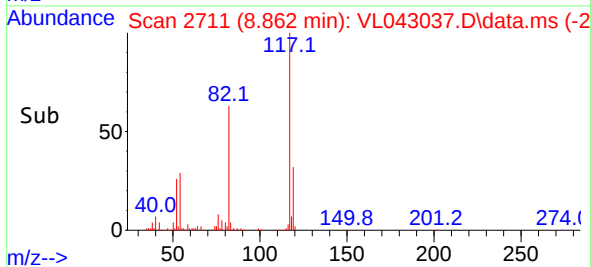
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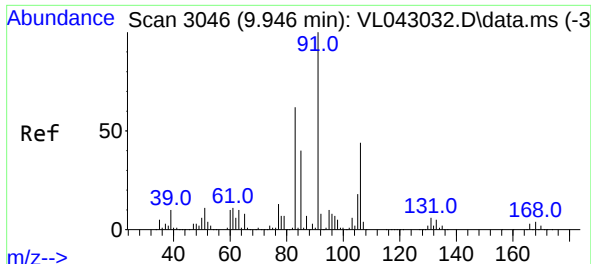


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. 0.000 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07



Tgt Ion:117 Resp: 408184
Ion Ratio Lower Upper
117 100
82 63.2 53.0 79.6
119 32.1 25.4 38.2





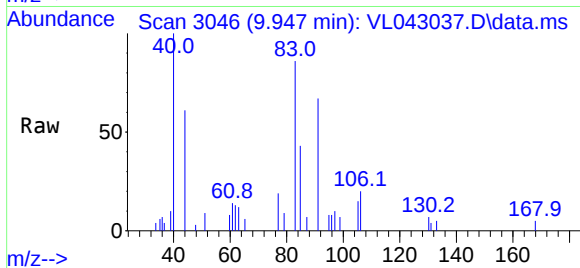
#63
1,1,2,2-Tetrachloroethane
Concen: 0.035 ppbv
RT: 9.947 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

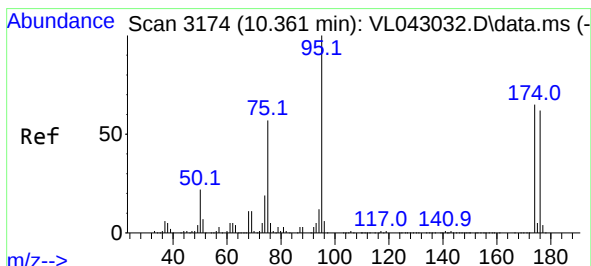
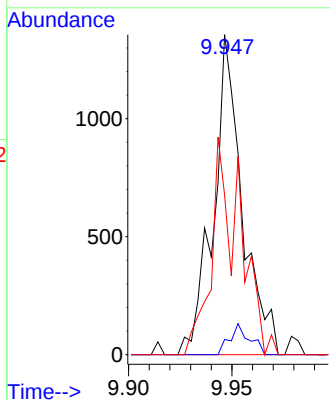
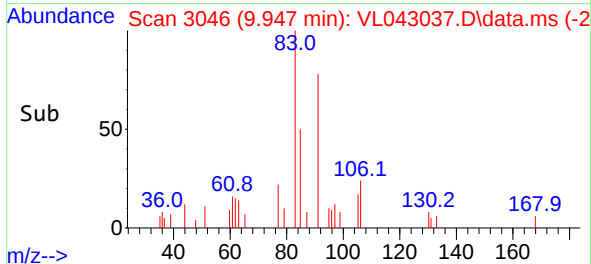


Tgt Ion: 83 Resp: 132
Ion Ratio Lower Upper
83 100
131 6.5 4.7 14.1
85 67.2 32.0 96.2

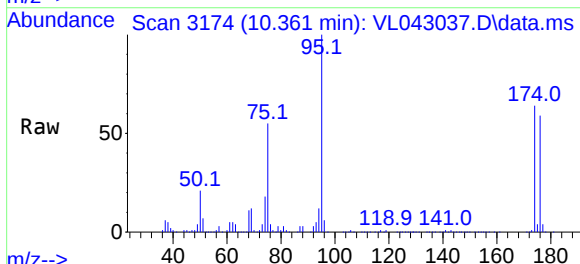
Manual Integrations

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.552 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. 0.000 min
Lab File: VL043037.D
Acq: 02 Oct 2025 13:07



Tgt Ion: 95 Resp: 280877
Ion Ratio Lower Upper
95 100
174 66.1 52.3 78.5
175 4.7 3.8 5.8

